

O&MI FLUJO ENERGÍA LIMITADA: IFE CRDEN 20190320-COLBUN-NH I-CEN

**COORDINADOR ELECTRICO NACIONAL  
UNIDAD GENERADORA  
CENTRAL NEHUENCO I**

INFORME PRUEBA DE CONSUMO ESPECÍFICO GNL



**O&MI** *Flujo Energía Limitada*

CONTRATO PRESTACION DE SERVICIOS DE PRUEBAS DE CONSUMO ESPECÍFICO					DOCUMENTO N°	
APROBADO	COORDINADOR ELÉCTRICO NACIONAL				IFE CRDEN 20190320- COLBUN – NH II- CEN	
REVISADO	COLBÚN S.A.				Revisión N°	<b>0</b>
EMITIDO	FLUJO ENERGÍA LTDA.	J VALDIVIA				
FECHA DE EMISIÓN		03/02/2020				



## HISTORIAL DE REVISIONES

Rev. N°	Fecha	Descripción	Ejecutado por	
0.0	03/02/2020	Primera Emisión	Aprobado	
			Revisado	
			Emisor	J. Valdivia D.
			Aprobado	
			Revisado	
			Emisor	
			Aprobado	
			Revisado	
			Emisor	

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## Capítulo 1 Generalidades

La Unidad Generadora NEHUENCO I está diseñada para generar con GNL una potencia neta 351,222 MW sin fuegos adicionales y 372,059 MW con fuegos adicionales.

Este documento describe los resultados de la Prueba de Determinación de Consumo Específico de la Unidad Generadora Nehuenco I, utilizando GNL como combustible. La prueba de consumo específico se llevó a cabo de acuerdo con el protocolo PPF – CRDEN 20190320-COLBUN – NH I – CEN.

La responsabilidad de la prueba como experto técnico estuvo a cargo del ingeniero de Flujo Energía señor Jorge Valdivia Dames, apoyado por el experto en operación de centrales termoeléctricas de ciclo-combinado señor Urbano Tapia Valencia y por el experto en sistemas de control señor Danilo Rojas Góngora.

Conforme a lo establecido en el artículo 5 del Anexo Técnico “Determinación de Consumos Específicos de Unidades Generadoras”, el Coordinador elabora anualmente, el programa de pruebas de CEN que se realizan durante el siguiente año. El programa incluye las unidades generadoras que, al 1 de diciembre del año respectivo, se encuentren en cualquiera de las situaciones definidas en dicho artículo.

En este contexto, Colbún S.A. realizó la prueba de Determinación de Consumos Específicos de la Unidad Generadora Central Nehuenco I, según lo estipulado en el Programa Anual de Pruebas de Consumo Específico Neto.

## Capítulo 2 Resumen Ejecutivo

### Objetivo de la Prueba

La Prueba de Determinación de Consumo Específico tiene como objetivo determinar el valor del consumo Específico Neto de la Central Nehuenco I, parámetro que debe ser informado al Coordinador Eléctrico Nacional conforme a lo señalado en el artículo 6-13 de la NTSyCS.

En virtud de los resultados obtenidos del desarrollo de las Pruebas de Consumo Específico, conforme al alcance definido en el Anexo Técnico, se establecerán los valores del parámetro de Consumo Específico para cada una de las configuraciones de Central Nehuenco I.

### Cronograma de la Prueba

La prueba se llevó a cabo con la cronología que se indica en las Tablas 2.1-1 y 2.1-2, siguientes:

**TABLA 2.1-1 CONFIGURACIÓN CICLO-ABIERTO**

COMBUSTIBLE GNL	FECHA	HORARIO
ESCALÓN 213 MW	18 – diciembre – 2019	09:00h – 09:30h
ESCALÓN 204 MW	18 – diciembre – 2019	10:15h – 10:45h
ESCALÓN 195 MW	18 – diciembre – 2019	11:30h – 12:00h
ESCALÓN 187 MW	18 – diciembre – 2019	12:15h – 12:45h
ESCALÓN 178 MW	18 – diciembre – 2019	13:30h – 14:00h
ESCALÓN 169 MW	18 – diciembre – 2019	14:45h – 15:15h
ESCALÓN 160 MW	18 – diciembre – 2019	16:00h – 16:30h

**TABLA 2.1-2 CONFIGURACIÓN CICLO-COMBINADO**

COMBUSTIBLE GNL	FECHA	HORARIO
ESCALÓN CARGA BASE + FUEGOS ADICIONALES	19 – diciembre – 2019	09:00h – 10:00h
ESCALÓN 324 MW	19 – diciembre – 2019	10:45h – 11:45h
ESCALÓN 317 MW	19 – diciembre – 2019	12:15h – 13:15h
ESCALÓN 307 MW	19 – diciembre – 2019	13:45h – 14:45h
ESCALÓN 288 MW	19 – diciembre – 2019	15:15h – 16:15h
ESCALÓN 276 MW	19 – diciembre – 2019	16:45h – 17:45h
ESCALÓN 265 MW	19 – diciembre – 2019	18:15h – 19:15h
ESCALÓN 253 MW	19 – diciembre – 2019	19:45h – 20:45h



## Resumen de los Resultados de la Prueba

Un resumen de los resultados de la prueba de consumo específico neto para la configuración en ciclo-abierto se presenta en las Tablas 2.2-1 y 2.2-2, para ciclo-combinado en las Tablas 2.3-1 y 2.3-2. En la Tabla 2.3-3 se muestra el consumo específico neto de los fuegos adicionales.

Tabla 2.2-1 POTENCIA NETA Y CONSUMO ESPECÍFICO CICLO-ABIERTO

CONFIGURACIÓN	CICLO ABIERTO	POTENCIA NETA kW			CONSUMO ESPECÍFICO kcal/kWh		
		MEDIDO	CORREGIDO	INCERTIDUMBRE < 1%	MEDIDO	CORREGIDO	INCERTIDUMBRE < 3%
<b>COMBUSTIBLE GNL</b>							
Escalón 213 MW	GNL	209.470	214.650	±0,4540%	2.665	2.664	±0,3160%
Escalón 204 MW	GNL	200.952	209.643	±0,4540%	2.684	2.681	±0,3160%
Escalón 195 MW	GNL	191.850	200.309	±0,4540%	2.708	2.704	±0,3160%
Escalón 187 MW	GNL	184.092	192.332	±0,4540%	2.721	2.717	±0,3160%
Escalón 178 MW	GNL	175.236	183.595	±0,4540%	2.746	2.742	±0,3160%
Escalón 169 MW	GNL	166.304	174.480	±0,4540%	2.793	2.790	±0,3160%
Escalón 160 MW	GNL	157.393	166.645	±0,4540%	2.836	2.831	±0,3160%

Tabla 2.2-2 POTENCIA BRUTA CICLO-ABIERTO

ESCALÓN MW	213	204	195	187	178	169	160
POTENCIA BRUTA MEDIDA [ kW ]	211.481	200.952	191.850	184.092	175.236	166.304	157.393
POTENCIA BRUTA CORREGIDA [ kW ]	216.986	212.497	203.187	195.065	186.130	177.084	169.108
INCERTIDUMBRE	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%

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Tabla 2.3-1 POTENCIA NETA Y CONSUMO ESPECÍFICO CICLO-COMBINADO

CONFIGURACIÓN	CICLO COMBINADO	POTENCIA NETA kW			CONSUMO ESPECÍFICO kcal/kWh			EMISIONES
		MEDIDO	CORREGIDO	INCERTIDUMBRE < 1%	MEDIDO	CORREGIDO	INCERTIDUMBRE < 3%	NOX mg/Nm <sup>3</sup>
<b>COMBUSTIBLE GNL</b>								LÍMITE 50 [mg/Nm <sup>3</sup> ]
Escalón Carga Base + Fuegos adicionales	GNL	322.574	326.429	± 0,4557 %	1.787	1.791	±0,3160%	28,06
Escalón 324 MW	GNL	312.211	319.569	± 0,4557 %	1.779	1.782	±0,3160%	33,20
Escalón 317 MW	GNL	309.638	320.016	± 0,4557 %	1.777	1.781	±0,3160%	32,47
Escalón 307 MW	GNL	298.257	309.155	± 0,4557 %	1.793	1.798	±0,3160%	29,59
Escalón 288 MW	GNL	279.444	288.707	± 0,4557 %	1.813	1.817	±0,3160%	25,68
Escalón 276 MW	GNL	268.063	279.644	± 0,4557 %	1.813	1.819	±0,3160%	26,39
Escalón 265 MW	GNL	256.443	263.799	± 0,4557 %	1.819	1.822	±0,3160%	25,14
Escalón 253 MW	GNL	245.651	250.829	± 0,4557 %	1.833	1.835	±0,3160%	29,61

Tabla 2.3-2 POTENCIA BRUTA CICLO-COMBINADO

ESCALÓN MW	CB + FA	324	317	307	288	276	265	253
POTENCIA BRUTA CICLO COMBINADO MEDIDA [ kW ]	331.270	320.715	318.131	306.624	287.818	274.629	264.269	253.411
POTENCIA BRUTA CORREGIDA [ kW ]	335.232	328.276	328.796	317.830	297.360	286.495	271.852	258.754
INCERTIDUMBRE	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%

Tabla 2.3-3 CONSUMO ESPECÍFICO FUEGOS ADICIONALES

Consumo de Calor Medido [kcal/h]	Aporte Potencia Neta (Neta CB+FA) – (Neta 324) [kWh]	CEN FA [kcal/kWh]
16.910.049	6.860	2.465

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## Capítulo 3 Cálculos de la Prueba

### Introducción

La evaluación del consumo específico neto de la planta de ciclo combinado está basada en los datos de la prueba de Determinación de Consumo Específico, corregida a las condiciones nominales y medida en condiciones de estado estable.

La prueba de consumo específico se llevó a cabo en la condición de estado estable como se definió en el protocolo de prueba.

El sistema de control se ajustó en Carga Preseleccionada para fijar la potencia de la máquina al valor definido según cada escalón de la prueba.

La validación del resultado del escalón en carga base + fuegos adicionales quedó pendiente hasta que Colbún realice la contrastación del medidor de flujo de gas a los fuegos adicionales 11HHG10CF901 como quedó consignado en el acta de la prueba. Para la determinación de la incertidumbre sistemática de esta medición se utilizó la precisión nominal del instrumento  $\pm 1\%$ .

La verificación de las emisiones a la atmósfera sólo fue posible en la configuración de ciclo-combinado, ya que la chimenea de bypass no cuenta con Sistema de Monitoreo Continuo de Emisiones.

Durante la prueba, los sistemas funcionaron en automático, sin señales forzadas y sin alarmas operadas.

La frontera de la prueba identifica los flujos de energía que deben ser medidos para calcular el resultado de la prueba. En el caso de la Unidad Generadora Nehuenco I, los límites son los indicados en la figura siguiente.

La “potencia bruta medida” se tomó en bornes de ambos generadores por medio de medidores instalados transitoriamente para la ocasión y que cumplen con la clase 0,2 exigida. Para la TG se utilizó el medidor ION 8600 PT-1106B209-01 y para la TV el medidor ION 8600 PT-0807A491-01.

La potencia neta se midió en los medidores de facturación clase 0,2 instalados en la S/E San Luis, aguas abajo de los transformadores elevadores. Para la TG se utilizó el medidor ION7650 PJ-0911A504-02 y para la TV el medidor ION7650 PJ-0911A481-02.



Figura 3.1 FRONTERAS DE LAS PRUEBAS

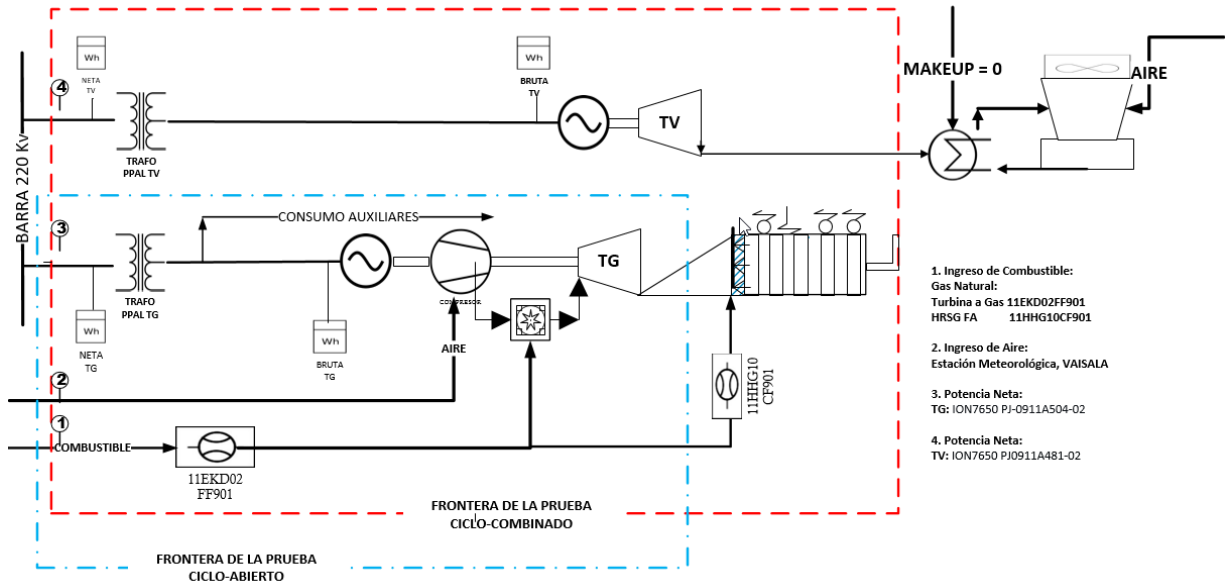
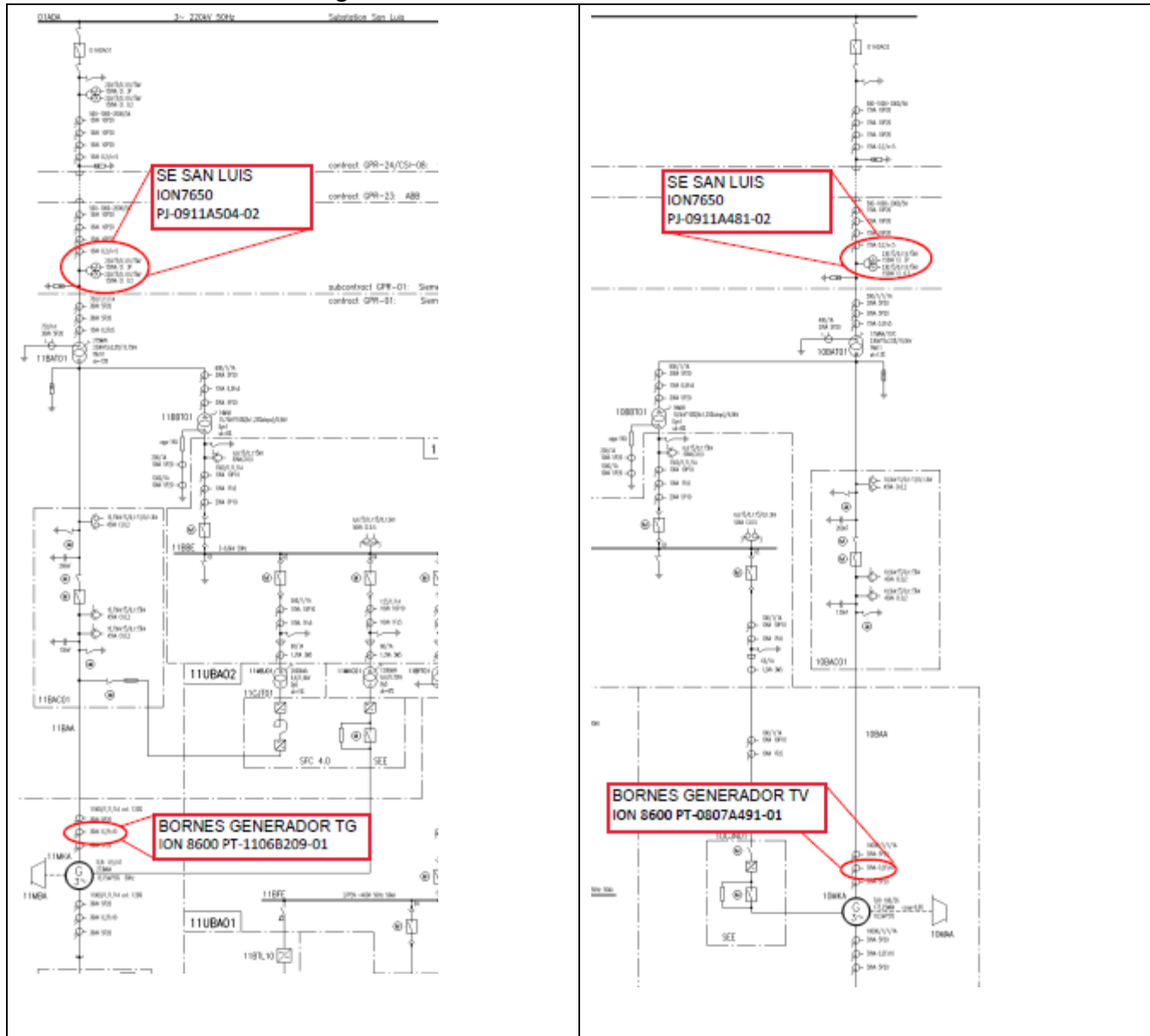


Figura 3.2 S/E San Luis



Figura 3.3 PUNTOS DE MEDICIÓN DE POTENCIA



El flujo de GNL a la Turbina a Gas se midió con el medidor de flujo 11EKD02FF901. Los datos se tomaron desde el transmisor de flujo 1EKD02 CF001A/CF001B, la placa orificio FF001A/B.

El flujo de GNL a los Fuegos Adicionales en el HRSG se midió con el medidor de flujo 11HHG10CF901. Los datos se tomaron desde el transmisor de flujo 1HHG10 CF001/002 y la placa orificio BP001.

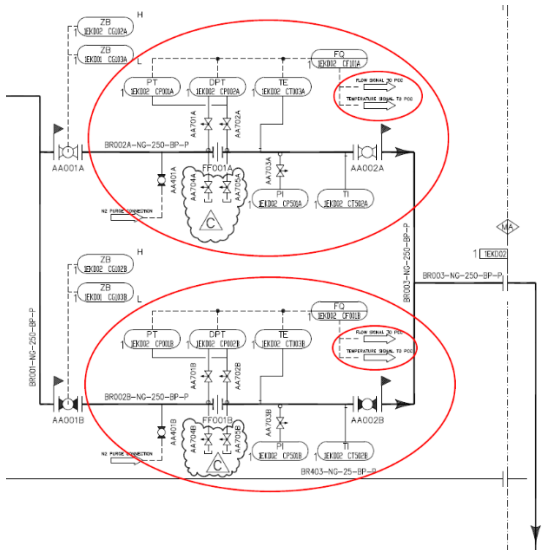


Figura 3.4 UBICACIÓN MEDIDOR DE COMBUSTIBLE TG

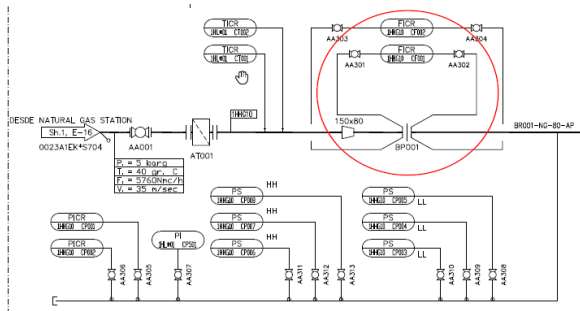


Figura 3.5 UBICACIÓN MEDIDOR DE COMBUSTIBLE A FA HRSG

Los datos meteorológicos se tomaron desde la estación meteorológica instalada permanente en la zona de succión de aire del compresor de la unidad.

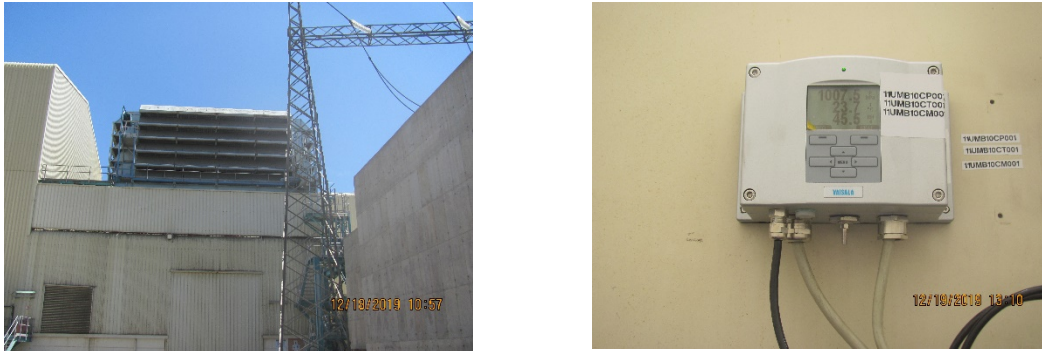


Figura 3.6 UBICACIÓN ESTACIÓN METEOROLÓGICA

### Normas Aplicadas

Para el desarrollo de la prueba se aplicaron las siguientes normas:

- ANEXO TÉCNICO: Determinación de Consumos Específicos en Unidades Generadoras,
- ASME PTC – 46 Overall Plant Performance,
- ASME PTC – 6 Steam Turbines,
- ASME PTC – 22 Gas Turbines,
- ASME PTC – 4.4 Gas Turbine Heat Recovery Steam Generators,
- ASME PTC – 19.1 Test Uncertainty.



## Condiciones Nominales

Las condiciones nominales de operación de la planta son las siguientes:

Parámetro	Valor
Temperatura de Aire entrada al Compresor	15 °C
Presión barométrica	1003,7 mbar
Humedad Ambiente	60 %
Temperatura de Escape de la Turbina a Gas	612,22 °C
Velocidad de la Turbina a Gas	3.000 rpm
Caída de presión en la entrada	7,62 cm H <sub>2</sub> O
Factor de Potencia del Generador	0,85
Velocidad	3000 rpm

## Cálculo de la Potencia en Ciclo-Abierto

La Potencia Medida y Potencia Corregida para cada nivel de carga se midió y corrigió de acuerdo con la metodología explicada en el protocolo de prueba.

ESCALÓN	213	204	195	187	178	169	160
POTENCIA BRUTA medida TURBINA A GAS [ kW ]	211.481	203.366	194.288	186.453	177.394	168.480	159.338
POTENCIA BRUTA CORREGIDA [ kW ]	216.986	212.497	203.187	195.065	186.130	177.084	169.108

ESCALÓN	213	204	195	187	178	169	160
POTENCIA NETA medida TURBINA A GAS [ kW ]	209.470	200.952	191.850	184.092	175.236	166.304	157.393
POTENCIA NETA CORREGIDA [ kW ]	214.650	209.643	200.309	192.332	183.595	174.480	166.645

## Factores de Corrección de la Potencia en Ciclo-Abierto

Corrección de la Potencia por Factor de Potencia del Generador								
TURBINA A GAS (desde POWER FACTOR CONVERSION / TG CA)								
ESCALÓN		213	204	195	187	178	169	160
	Potencia Bruta Medida kW	211.481	203.366	194.288	186.453	177.394	168.480	159.338
$PG_{FPm}$	Pérdidas del generador a la potencia medida y al factor de potencia de referencia 0,95	2.782	2.728	2.656	2.529	2.466	2.430	2.381
	Factor de Potencia Medido	0,9507	0,9459	0,9480	0,9569	0,9625	0,9494	0,9453
$PG_{FPn}$	Pérdidas del generador a la potencia medida y el factor de potencia medido, para cada generador	2.695	2.649	2.588	2.525	2.462	2.431	2.386
$FC_{FP}$	Factor de corrección de la potencia TG desde el factor de potencia medido al factor de potencia de referencia [ kW ]	86,44	79,37	68,10	3,59	4,06	-1,33	-4,62

Corrección de la Potencia por Temperatura de Entrada al Compresor (Curva 3635)								
ESCALÓN		213	204	195	187	178	169	160
	Temperatura Ambiente Medida [ °C ]	20,40	23,99	24,13	24,19	24,74	25,00	26,72
$TA_m$	Corrección de la potencia a la temperatura ambiente medida [ kW ]	0,0251	0,0437	0,0445	0,0448	0,0477	0,0492	0,0588
	Temperatura Ambiente Nominal [ °C ]	15	15	15	15	15	15	15
$TA_n$	Corrección de la potencia a la temperatura ambiente nominal [kW]	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
$FC_{Te}$	Factor de corrección de la Potencia por Temperatura de Entrada al Compresor [ % ]	1,0251	1,04366	1,04446	1,04478	1,04773	1,04916	1,05875

**Corrección de la Potencia por la Humedad Relativa en la Entrada del Compresor (Curva 3636)**

ESCALÓN		213	204	195	187	178	169	160
Humedad Relativa Medida [ % ]		50,47	43,59	43,08	42,83	42,61	42,11	37,97
<b>HR<sub>m</sub></b>	Corrección de la potencia a la humedad relativa medida	0,0004	0,00069	0,00072	0,00073	0,00074	0,00076	0,00098
Humedad Relativa Nominal [ % ]		60	60	60	60	60	60	60
<b>HR<sub>n</sub></b>	Corrección de la potencia a la humedad relativa nominal	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<b>FC<sub>hr</sub></b>	<b>Factor de corrección de la Potencia por la Humedad Relativa en la Entrada del Compresor</b>	<b>1,0004</b>	<b>1,0007</b>	<b>1,0007</b>	<b>1,0007</b>	<b>1,0007</b>	<b>1,0008</b>	<b>1,0010</b>

**Corrección de la Potencia por Presión Barométrica en la Entrada de la TG (Curva 3637)**

ESCALÓN		213	204	195	187	178	169	160
Presión Medida [ mbar ]		1,00319	1,00318	1,00311	1,00305	1,00295	1,00259	1,00218
<b>CP<sub>m</sub></b>	Corrección de la potencia a la presión medida [kW]	0,00053	0,0005	0,0006	0,0007	0,0008	0,0011	0,0015
Presión Nominal [mbar]		1,00370	1,00370	1,00370	1,00370	1,00370	1,00370	1,00370
<b>CP<sub>n</sub></b>	Corrección de la potencia a la presión nominal [kW]	0,00005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<b>FC<sub>CP</sub></b>	<b>Factor de corrección de la Potencia por la Presión en la Entrada de la TG</b>	<b>1,00048</b>	<b>1,00049</b>	<b>1,00057</b>	<b>1,00062</b>	<b>1,00071</b>	<b>1,00106</b>	<b>1,00144</b>



### Cálculo del Consumo Específico Neto en Ciclo-Abierto

El Consumo Específico Neto para cada nivel de carga se calculó mediante el método Entrada – Salida; dónde la entrada corresponde a la energía química total disponible en el combustible, basada en el poder calorífico superior y la salida corresponde a la energía neta total generada por la unidad.

ESCALÓN	213	204	195	187	178	169	160
Flujo másico de gas [kg/h]	42.309	40.884	39.368	37.959	36.491	35.216	33.830
Densidad del Gas Corregida [ kg/m <sup>3</sup> ] (15 C; 14,696 psi)	0,708268	0,70807775	0,7076555	0,70787625	0,70738825	0,70735775	0,70717075
Flujo volumétrico de gas [ m <sup>3</sup> /h ]	59.735	57.740	55.631	53.624	51.586	49.786	47.839
Poder Calorífico Superior [ kcal/m <sup>3</sup> ]	9.344	9.342	9.338	9.341	9.330	9.330	9.330
<b>Tasa de Consumo de Calor Medida [ kcal/h ]</b>	<b>558.177.377</b>	<b>539.415.519</b>	<b>519.478.170</b>	<b>500.877.186</b>	<b>481.275.284</b>	<b>464.483.041</b>	<b>446.318.379</b>

<b>CONSUMO ESPECÍFICO NETO MEDIDO [ kcal/kWh ]</b>	<b>2.665</b>	<b>2.684</b>	<b>2.708</b>	<b>2.721</b>	<b>2.746</b>	<b>2.793</b>	<b>2.836</b>
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<b>CONSUMO ESPECÍFICO NETO CORREGIDO [ kcal/kWh ]</b>	<b>2.664</b>	<b>2.681</b>	<b>2.704</b>	<b>2.717</b>	<b>2.742</b>	<b>2.790</b>	<b>2.831</b>
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## Factores de Corrección del Consumo Específico Neto en Ciclo-Abierto

<i>Corrección del Consumo Específico por la Temperatura de Entrada al Compresor (Curva 3635)</i>								
ESCALÓN		213	204	195	187	178	169	160
Temperatura Ambiente Medida [ °C ]		20,40	23,99	24,13	24,19	24,74	25,00	26,72
$CE_{TAM}$	Corrección del consumo específico neto por la temperatura ambiente medida [kcal/kWh]	0,0012	0,0027	0,0027	0,0028	0,0031	0,0032	0,0042
Temperatura Ambiente Nominal [ °C ]		15	15	15	15	15	15	15
$CE_{TAN}$	Corrección del consumo específico neto por la temperatura ambiente nominal	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
$CE_{CE}$	<b>Factor de Corrección del Consumo de Calor por la Temperatura de Entrada al Compresor</b>	<b>0,998831</b>	<b>0,997327</b>	<b>0,997252</b>	<b>0,997222</b>	<b>0,996938</b>	<b>0,996797</b>	<b>0,995791</b>

<i>Corrección del consumo específico por la Humedad Relativa en la Entrada del Compresor (3636)</i>								
ESCALÓN		213	204	195	187	178	169	160
Humedad Relativa Medida [ % ]		50,47	43,59	43,08	42,83	42,61	42,11	
$CE_{HRM}$	Corrección del consumo específico neto por la humedad relativa medida	0,000415	0,000715	0,000737	0,000748	0,000758	0,000779	0,000960
Humedad Relativa Nominal [ % ]		60	60	60	60	60	60	60
$CE_{HRN}$	Corrección del consumo específico por la humedad relativa nominal	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
$CE_{HR}$	<b>Factor de corrección del Consumo Específico Neto por la Humedad Relativa en la Entrada del Compresor</b>	<b>1,000415</b>	<b>1,000714</b>	<b>1,000737</b>	<b>1,000748</b>	<b>1,000758</b>	<b>1,000779</b>	<b>1,000960</b>

<i>Corrección del consumo específico por la Presión en la Entrada de la TG (Curva 3637)</i>								
ESCALÓN		213	204	195	187	178	169	160
Presión Barométrica Medida [ mbar ]		1,0032	1,0032	1,0031	1,0031	1,0030	1,0026	1,0022
$CE_{CPM}$	Corrección del consumo específico neto por la presión barométrica medida	0,0006	0,0007	0,0007	0,0008	0,0009	0,0013	0,0018
Presión Barométrica Nominal [ mbar ]		1,0037	1,0037	1,0037	1,0037	1,0037	1,0037	1,0037
$CE_{CPN}$	Corrección del consumo específico neto por la presión barométrica nominal	0,0001	0,0001	0,0001	0,0001	0,0001	0,0001	0,0001
$FC_{CPE}$	<b>Factor de corrección del Consumo Específico Neto por la Presión en la Entrada de la TG</b>	<b>1,0006</b>	<b>1,0006</b>	<b>1,0007</b>	<b>1,0008</b>	<b>1,0009</b>	<b>1,0013</b>	<b>1,0018</b>

### Cálculo de la Incertidumbre en Ciclo-Abierto

La incertidumbre de la prueba se determinó siguiendo los lineamientos de los códigos ASME PTC 22 y ASME PTC 19.1.

INCERTIDUMBRE																
RESULTADO	MEDIDA	PUNTO DE MEDIDA		Valor Típico de la Medición	CANTIDAD DE INSTRUMENTOS	CLASE DE INSTRUMENTO	INCERIDUMBRE SISTEMÁTICA $U_{sx}$	SENSIBILIDAD $Q$	$(U_s * Q)^2$	CANTIDAD DE DATOS	DESVIACIÓN ESTÁNDAR, $S_x$	DISTRIBUCIÓN STUDENT $t, k$	INCERIDUMBRE ALEATORIA $U_{sx}$	$(U_{sx} * Q)^2$	INCERIDUMBRE TOTAL, $U_T^2$	INCERIDUMBRE DE LA PRUEBA
		NOMBRE	PUNTO													
POTENCIA	POTENCIA	POTENCIA NETA	S/E San Luis			TP	± 0,07%	0,6517 % / %	0,00002%					0,00002%		
		TG 1 ION 7650	Punto N2	230 MW	1	TC	± 0,07%	0,6517 % / %	0,0000%					0,00002%		
		PJ - 0911A504-02	FACTURACIÓN			Medidor de Energía	± 0,009%	0,6517 % / %	0,00000%	61	0,0041	1,671	0,00687	0,4480%	0,44796%	
	POTENCIA NETA													SUMA	0,44800%	0,0669
	POTENCIA	POTENCIA BRUTA	BORNES DEL GENERADOR				TP	± 0,067%	0,65831 % / %	0,00002%					0,00002%	
		TG 1 ION 8600		230 MW	1	TC	± 0,067%	0,6583 % / %	0,00002%					0,00002%		
		PT - 1106B209-01	TRANSITORIO			Medidor de Energía	± 0,093%	0,65831 % / %	0,000037%	61	0,0041	1,671	0,00687	0,4525%	0,45256%	
	POTENCIA BRUTA													SUMA	0,45260%	0,0673
	ENTRADA DE CALOR	FLUJO	FLUJO DE GAS A LA TG	11EKT20 CF001	11 kg/s	1	Rosemount PT-100 / 2051 CD / 2051 CG	± 0,6553%	0,00001 % / %	0,000000000%	61	0,2013	1,645	0,33111	0,0002%	0,00024%
		Moles	% mol del Combustible	Cromatógrafo	[ - ]	1	Análisis	Cálculo en Planilla %Mol		0,15754%	70	0,0837	1,668833333	0,13971	0,0220%	0,17955%
Entrada de Calor													SUMA	0,17979%	0,0424	
CONSUMO ESPECÍFICO NETO	POTENCIA NETA														0,4480%	
	ENTRADA DE CALOR														0,1798%	
	CONSUMO ESPECÍFICO NETO													SUMA	0,6278%	0,0792

INCERTIDUMBRE																	
RESULTADO	MEDIDA	PUNTO DE MEDIDA		Valor Típico de la Medición	CANTIDAD DE INSTRUMENTOS	CLASE DE INSTRUMENTO	INCERTIDUMBRE SISTEMÁTICA $U_{bs}$	SENSIBILIDAD $Q$	$(U_b * Q)^2$	CANTIDAD DE DATOS	DESVIACIÓN ESTÁNDAR, $S_x$	DISTRIBUCIÓN STUDENT $t_x$ , $k$	INCERTIDUMBRE ALEATORIA $U_{bx}$	$(U_{bx} * Q)^2$	INCERTIDUMBRE TOTAL, $U_t^2$	INCERTIDUMBRE DE LA PRUEBA	
		NOMBRE	PUNTO														
POTENCIA CORREGIDA	FACTOR DE POTENCIA	FACTOR DE POTENCIA	BORNES DEL			TP	± 0,067%	0,00760 % / %	0,000000003%						0,00000%		
		TG 1 ION 8600	GENERADOR	0,85 [ - ]	1	TC	± 0,067%	0,0076 % / %	0,000000003%						0,00000%		
		PT – 1106B209-01	TRANSITORIO			Medidor de Energía	± 0,093%	0,00760 % / %	0,000000005%	61	0,0010	1,671	0,00159	0,0012%	0,00121%		
	POTENCIA	POTENCIA NETA	S/E San Luis				TP	± 0,067%	0,6532 % / %	0,00002%						0,00002%	
			TG 1 ION 7650	Punto N2	250 MW	1	TC	± 0,067%	0,6532 % / %	0,0000%						0,00002%	
			PJ – 0911A504-02	FACTURACIÓN			Medidor de Energía	± 0,009%	0,6532 % / %	0,00000%	61	0,0041	1,671	0,00687	0,4490%	0,44902%	
	Humedad	Humedad Relativa Entrada al Compresor	11UMB10CM001	70%	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,0000043 % / %	0,000000%	721	0,0493	1,645	0,08117	8,1177%	8,11772%		
	Temperatura	Temperatura Ambiente Entrada al Compresor	11UMB10CT001	15 °C	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,0009 % / °C	0,0000	61	0,0576	1,671	0,09623	9,7170%	9,71697%		
Presión	Presión Barométrica Entrada al Compresor	11UMB10CP001	1003,7 mbar	1	Estación Meteorológica VAISALA PTU303	± 0,01%	-0,0042 % / %	0,0000	61	0,0164	1,671	0,02748	2,3278%	2,32776%			
<b>POTENCIA CORREGIDA</b>													<b>SUMA</b>	20,61271%	<b>0,4540</b>		
CONSUMO ESPECÍFICO NETO CORREGIDO	Humedad	Humedad Relativa Entrada al Compresor	11UMB10CM001	70%	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,00001 % / %	0,0000000	61	0,0113	1,671	0,01880	1,8810%	1,88098%		
	Temperatura	Temperatura Ambiente Entrada al Compresor	11UMB10CT001	15 °C	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,00094 % / %	0,00000000	61	0,0113	2,671	0,03005	3,0988%	3,09876%		
	Presión Diferencial	Presión Barométrica Entrada al Compresor	11UMB10CP001	1003,7 mbar	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,0025 % / %	0,0000000000	61	0,0113	3,671	0,04130	4,3773%	4,37728%		
	Consumo Específico Neto														0,62779%		
<b>CONSUMO ESPECÍFICO NETO CORREGIDO</b>													<b>SUMA</b>	9,98480%	<b>0,3160</b>		

## Cálculo de la Potencia en Ciclo-Combinado

La Potencia Medida y Potencia Corregida para cada nivel de carga se midió y corrigió de acuerdo con la metodología explicada en el protocolo de prueba.

ESCALÓN	CB +FA	324	317	307	288	276	265	253
POTENCIA BRUTA medida TURBINA A GAS [ kW ]	211.024	208.925	207.019	199.422	185.935	176.567	167.586	159.379
POTENCIA BRUTA medida TURBINA A VAPOR [ kW ]	120.246	111.790	111.112	107.202	101.883	98.062	96.683	94.032
<b>POTENCIA BRUTA CICLO COMBINADO MEDIDA [ kW ]</b>	<b>331.270</b>	<b>320.715</b>	<b>318.131</b>	<b>306.624</b>	<b>287.818</b>	<b>274.629</b>	<b>264.269</b>	<b>253.411</b>

ESCALÓN	CB +FA	324	317	307	288	276	265	253
POTENCIA NETA medida TURBINA A GAS [ kW ]	205.373	203.309	201.436	193.967	180.610	171.320	162.620	154.465
POTENCIA NETA medida TURBINA A VAPOR [ kW ]	117.201	108.902	108.201	104.290	98.833	96.743	93.822	91.186
<b>POTENCIA NETA CICLO COMBINADO MEDIDA [ kW ]</b>	<b>322.574</b>	<b>312.211</b>	<b>309.638</b>	<b>298.257</b>	<b>279.444</b>	<b>268.063</b>	<b>256.443</b>	<b>245.651</b>

ESCALÓN	CB +FA	324	317	307	288	276	265	253
<b>POTENCIA NETA CORREGIDA [ kW ]</b>	<b>326.429</b>	<b>319.569</b>	<b>320.016</b>	<b>309.155</b>	<b>288.707</b>	<b>279.644</b>	<b>263.799</b>	<b>250.829</b>
<b>POTENCIA BRUTA CORREGIDA [ kW ]</b>	<b>335.232</b>	<b>328.276</b>	<b>328.796</b>	<b>317.830</b>	<b>297.360</b>	<b>286.495</b>	<b>271.852</b>	<b>258.754</b>

## Factores de Corrección de la Potencia en Ciclo-Combinado

Corrección de la Potencia por Factor de Potencia del Generador									
TURBINA A GAS (desde POWER FACTOR CONVERSION / TG CC)									
ESCALÓN	CB+FA	324	317	307	288	276	265	253	
	Potencia Bruta Medida kW	211.024	208.925	207.019	199.422	185.935	176.567	167.586	159.379
	Factor de Potencia Nominal	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
<b><math>PG_{FPM}</math></b>	Pérdidas del generador a la potencia medida y al factor de potencia de referencia 0,95	2.643	2.628	2.625	2.580	2.495	2.435	2.384	2.350
	Factor de Potencia Medido	0,9875	0,9885	0,9815	0,9788	0,9794	0,9830	0,9840	0,9750
<b><math>PG_{FPM}</math></b>	Pérdidas del generador a la potencia medida y el factor de potencia medido, para cada generador	2.629	2.612	2.617	2.575	2.493	2.432	2.380	2.348
<b><math>FC_{FP}</math></b>	Factor de corrección de la potencia TG desde el factor de potencia medido al factor de potencia de referencia [ kW ]	14,19	15,10	8,15	4,89	1,90	3,23	4,57	2,76

<b>TURBINA A VAPOR (desde POWER FACTOR CONVERSION / TV CC)</b>									
	ESCALÓN	CB+FA	324	317	307	288	276	265	253
	Potencia Bruta Medida kW	120.246	111.790	111.112	107.202	101.883	98.062	96.683	94.032
<b><i>PG<sub>FPm</sub></i></b>	Pérdidas del generador a la potencia medida y al factor de potencia de referencia ( 0,95 ) [ kW ]	1.614	1.536	1.538	1.507	1.466	1.444	1.416	1.405
	Factor de Potencia Medido	0,9894	0,9901	0,9820	0,9787	0,9743	0,9804	0,9833	0,9722
<b><i>PG<sub>FPn</sub></i></b>	Pérdidas del generador a la potencia medida y el factor de potencia medido, para cada generador [ kW ]	1.511	1.448	1.456	1.432	1.400	1.378	1.355	1.349
<b><i>FC<sub>FP</sub></i></b>	Factor de corrección de la potencia TV desde el factor de potencia medido al factor de potencia de referencia [ kW ]	102,80	87,71	82,06	74,75	66,09	66,19	61,82	56,61
<b><i>FC<sub>FP</sub></i></b>	<b>Factor de Corrección de la Potencia por FP [ kW ]</b>	<b>116,99</b>	<b>102,81</b>	<b>90,21</b>	<b>79,63</b>	<b>67,99</b>	<b>69,43</b>	<b>66,39</b>	<b>59,38</b>

<b>Corrección de la Potencia por Temperatura de Entrada al Compresor (Curvas 3635 y 3812)</b>									
	ESCALÓN	CB+FA	324	317	307	288	276	265	253
	Temperatura Ambiente Medida [ °C ]	18,3	20,7	22,7	23,3	22,7	24,4	21,6	20,2
<b><i>TA<sub>m</sub></i></b>	Corrección de la potencia a la temperatura ambiente medida [ kW ]	0,01426	0,0264	0,0369	0,0400	0,0368	0,0460	0,0314	0,0242
	Temperatura Ambiente Nominal [ °C ]	15	15	15	15	15	15	15	15
<b><i>TA<sub>n</sub></i></b>	Corrección de la potencia a la temperatura ambiente nominal [ kW ]	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<b><i>FC<sub>te</sub></i></b>	<b>Factor de corrección de la Potencia por Temperatura de Entrada al Compresor</b>	<b>1,0143</b>	<b>1,02640</b>	<b>1,03692</b>	<b>1,03995</b>	<b>1,03675</b>	<b>1,04596</b>	<b>1,03136</b>	<b>1,02425</b>

<b>Corrección de la Potencia por la Humedad Relativa en la Entrada del Compresor (Curvas 3636 y 3813)</b>									
	ESCALÓN	CB+FA	324	317	307	288	276	265	253
	Humedad Relativa Medida [ % ]	68,70	55,26	51,37	49,22	54,84	47,14	59,38	64,14
<b><i>HR<sub>m</sub></i></b>	Corrección de la potencia por la humedad relativa medida [ kW ]	-0,00011	0,00018	0,00034	0,00043	0,00019	0,00052	0,00002	-0,00014
	Humedad Relativa Nominal [ % ]	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0
<b><i>HR<sub>n</sub></i></b>	Corrección de la potencia por la humedad relativa nominal [ kW ]	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<b><i>FC<sub>hr</sub></i></b>	<b>Factor de corrección de la Potencia por la Humedad Relativa en la Entrada del Compresor</b>	<b>0,99989</b>	<b>1,0002</b>	<b>1,0003</b>	<b>1,0004</b>	<b>1,0002</b>	<b>1,0005</b>	<b>1,0000</b>	<b>0,9999</b>

**Corrección de la Potencia por la Presión en la Entrada de la TG (Curvas 3637 y 3814)**

	ESCALÓN	CB+FA	324	317	307	288	276	265	253
	Presión Barométrica Medida [ mbar ]	1.005,63	1.006,44	1.007,20	1.007,32	1.007,30	1.006,76	1.006,17	1.006,56
<b>CP<sub>m</sub></b>	Corrección de la potencia a la caída de presión medida [kW]	-0,9423	-0,9565	-0,9572	-0,9574	-0,9573	-0,9568	-0,9563	-0,9566
	Presión Barométrica Nominal [ mbar ]	1003,70	1003,70	1003,70	1003,70	1003,70	1003,70	1003,70	1003,70
<b>CP<sub>n</sub></b>	Corrección de la potencia a la caída de presión nominal [kW]	-0,9405	-0,9539	-0,9539	-0,9539	-0,9539	-0,9539	-0,9539	-0,9539
<b>FC<sub>CP</sub></b>	<b>Factor de corrección de la Potencia por la Caída de Presión en la Entrada de la TG</b>	<b>0,99819</b>	<b>0,99739</b>	<b>0,99667</b>	<b>0,99656</b>	<b>0,99657</b>	<b>0,99709</b>	<b>0,99765</b>	<b>0,99728</b>

### Cálculo del Consumo Específico Neto en Ciclo-Combinado

El Consumo Específico Neto para cada nivel de carga se calculó mediante el método Entrada – Salida; dónde la entrada corresponde a la energía química total disponible en el combustible, basada en el poder calorífico superior y la salida corresponde a la energía neta total generada por la unidad.

ESCALÓN	CB+FA	324	317	307	288	276	265	253
Flujo másico de gas [kg/h] a la TG	42.427	42.109	41.908	40.532	38.400	36.832	35.355	34.134
Flujo másico de gas [kg/h] a FA	1.282	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Densidad del Gas Corregida [kg/m <sup>3</sup> ] (15 C; 14,696 psi)	0,7081	0,7084	0,7132	0,7086	0,7085	0,7082	0,7081	0,7080
Flujo volumétrico de gas [ m <sup>3</sup> /h ]	61.729	59.439	58.761	57.199	54.198	52.008	49.930	48.209
Poder Calorífico Superior Bruto Actual [ kcal/m <sup>3</sup> ]	9.340	9.347	9.363	9.349	9.348	9.343	9.343	9.343
<b>Tasa de Consumo de Calor Medida [ kcal/h ]</b>	<b>576.538.982</b>	<b>555.550.158</b>	<b>550.177.556</b>	<b>534.759.737</b>	<b>506.636.666</b>	<b>485.933.662</b>	<b>466.488.564</b>	<b>450.399.565</b>

<b>CONSUMO ESPECÍFICO NETO MEDIDO [ kcal/kWh ]</b>	<b>1.787</b>	<b>1.779</b>	<b>1.777</b>	<b>1.793</b>	<b>1.813</b>	<b>1.813</b>	<b>1.819</b>	<b>1.833</b>
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<b>CONSUMO ESPECÍFICO NETO CORREGIDO [ kcal/kWh ]</b>	<b>1.791</b>	<b>1.782</b>	<b>1.781</b>	<b>1.798</b>	<b>1.817</b>	<b>1.819</b>	<b>1.822</b>	<b>1.835</b>
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## Factores de Corrección del Consumo Específico Neto en Ciclo-Combinado

<i>Corrección del Consumo Específico por la Temperatura de Entrada al Compresor (Curvas 3635 y 3812)</i>									
ESCALÓN	CB+FA	324	317	307	288	276	265	253	
Temperatura Ambiente Medida [ °C ]	18	21	23	23	23	24	22	20	
$CE_{TAm}$ Corrección del consumo específico neto por la temperatura ambiente medida	0,0022	0,0013	0,0021	0,0023	0,0021	0,0029	0,0016	0,0011	
Temperatura Ambiente Nominal [ °C ]	15	15	15	15	15	15	15	15	
$CE_{TAn}$ Corrección del consumo específico neto por la temperatura ambiente nominal	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	
$CE_{Te}$ <b>Factor de Corrección del Consumo Específico Neto por la Temperatura de Entrada al Compresor</b>	<b>1,00219</b>	<b>1,00126</b>	<b>1,00207</b>	<b>1,00233</b>	<b>1,00206</b>	<b>1,00289</b>	<b>1,00162</b>	<b>1,00111</b>	

<i>Corrección del consumo específico por la Humedad Relativa en la Entrada del Compresor (Curvas 3636 y 3813)</i>									
ESCALÓN	CB+FA	324	317	307	288	276	265	253	
Humedad Relativa Medida [ % ]	68,70	55,26	51,37	49,22	54,84	47,14	59,38	64,14	
$CE_{HRM}$ Corrección del consumo específico neto por la humedad relativa medida	-0,000438	0,000206	0,000375	0,000469	0,000224	0,000560	0,000027	0,000180	
Humedad Relativa Nominal [ % ]	60	60	60	60	60	60	60	60	
$CE_{HRn}$ Corrección del consumo específico neto por la humedad relativa nominal	0,00000	0,00000	0,00000	0,00000	0,00000	0,00000	0,00000	0,00000	
$CE_{Hr}$ <b>Factor de corrección de la Potencia por la Humedad Relativa en la Entrada del Compresor</b>	<b>0,999562</b>	<b>1,000207</b>	<b>1,000376</b>	<b>1,00047</b>	<b>1,000225</b>	<b>1,000560</b>	<b>1,000027</b>	<b>0,99982</b>	

<i>Corrección del consumo específico por la Presión en la Entrada de la TG (Curvas 3637 y 3814)</i>									
ESCALÓN	CB+FA	324	317	307	288	276	265	253	
Presión Barométrica Medida [ mbar ]	1.005,63	1.006,44	1.007,20	1.007,32	1.007,30	1.006,76	1.006,17	1.006,56	
$CE_{CPM}$ Corrección del consumo específico neto por la presión barométrica medida	0,0214	-0,0117	-0,0117	-0,0117	-0,0117	-0,0117	-0,0117	-0,0117	
Presión Barométrica Nominal [ mbar ]	1003,70	1003,70	1003,70	1003,70	1003,70	1003,70	1003,70	1003,70	
$CE_{CPn}$ Corrección del consumo específico neto por la presión barométrica nominal	0,0214	-0,0117	-0,0117	-0,0117	-0,0117	-0,0117	-0,0117	-0,0117	
$FC_{CPE}$ <b>Factor de corrección del Consumo Específico Neto por la Presión en la Entrada de la TG</b>	<b>1,00004</b>	<b>0,99997</b>	<b>0,99996</b>	<b>0,99996</b>	<b>0,99996</b>	<b>0,99996</b>	<b>0,99997</b>	<b>0,99997</b>	

Cálculo de la Incertidumbre en Ciclo-Combinado

La incertidumbre de la prueba se determinó siguiendo los lineamientos de los códigos ASME PTC 22 y ASME PTC 19.1.

INCERTIDUMBRE																
RESULTADO	MEDIDA	PUNTO DE MEDIDA		Valor Típico de la Medición	CANTIDAD DE INSTRUMENTOS	CLASE DE INSTRUMENTO	INCERIDUMBRE SISTEMÁTICA $U_{Bx}$	SENSIBILIDAD $\Theta$	$(U_B * \Theta)^2$	CANTIDAD DE DATOS	DESVIACIÓN ESTÁNDAR, $S_x$	DISTRIBUCIÓN STUDENT, $k$	INCERTIDUMBRE ALEATORIA $U_{kx}$	$(U_{kx} * \Theta)^2$	INCERTIDUMBRE TOTAL, $U_T^2$	INCERTIDUMBRE DE LA PRUEBA
		NOMBRE	PUNTO													
POTENCIA	POTENCIA	POTENCIA NETA	S/E San Luis	230 MW	1	TP	± 0,07%	0,6517 % / %	0,00002%	61	0,0041	1,671	0,00687	0,4480%	0,00002%	
			Punto N2			TC	± 0,07%	0,6517 % / %	0,0000%						0,00002%	
			FACTURACIÓN			Medidor de Energía	± 0,009%	0,6517 % / %	0,00000%						0,44796%	
POTENCIA NETA														SUMA	0,44800%	0,0669
POTENCIA	POTENCIA	POTENCIA BRUTA	BORNES DEL GENERADOR	230 MW	1	TP	± 0,067%	0,65831 % / %	0,00002%	61	0,0041	1,671	0,00687	0,4525%	0,00002%	
			TRANSITORIO			Medidor de Energía	± 0,093%	0,65831 % / %	0,000037%						0,45256%	
			POTENCIA BRUTA													
ENTRADA DE CALOR	FLUJO	FLUJO DE GAS A LA TG	11EKT20 CF001	11 kg/s	1	Rosemount PT-100 / 2051 CD / 2051 CG	± 0,6553%	0,00001 % / %	0,000000000%	61	0,2013	1,645	0,33111	0,0002%	0,00024%	
	FLUJO	FLUJO DE GAS A HRSG FA	11HHG10 CF01/02	0,3 kg/s	1	Endress+Hauser PROWIRL 70D (Vortex)	± 1%	0,00001 % / %	0,000000000%	61	0,3987	1,645	0,65591	0,0007%	0,00072%	
	Moles	% mol del Combustible	Cromatógrafo	[ - ]	1	Análisis	Cálculo en Planilla %Mol		0,15754%	70	0,0837	1,668833333	0,13971	0,0220%	0,17955%	
ENTRADA DE CALOR														SUMA	0,18051%	0,0425



INCERTIDUMBRE																	
RESULTADO	MEDIDA	PUNTO DE MEDIDA		Valor Típico de la Medición	CANTIDAD DE INSTRUMENTOS	CLASE DE INSTRUMENTO	INCERIDUMBRE SISTEMÁTICA $U_{Bx}$	SENSIBILIDAD $\Theta$	$(U_B * \Theta)^2$	CANTIDAD DE DATOS	DESVIACIÓN ESTÁNDAR, $S_x$	DISTRIBUCIÓN STUDENT $t_x$ , k	INCERTIDUMBRE ALEATORIA $U_{Ax}$	$(U_{Ax} * \Theta)^2$	INCERTIDUMBRE TOTAL, $U_t^2$	INCERTIDUMBRE DE LA PRUEBA	
		NOMBRE	PUNTO														
CONSUMO ESPECÍFICO NETO	POTENCIA NETA														0,4480%		
	ENTRADA DE CALOR														0,1805%		
	CONSUMO ESPECÍFICO NETO													SUMA	0,6285%	0,0793	
POTENCIA CORREGIDA	FACTOR DE POTENCIA	FACTOR DE POTENCIA TG 1 ION 8600 PT – 1106B209-01	BORNES DEL GENERADOR	0,85 [ - ]	1	TP	± 0,067%	0,00760 % / %	0,000000003%						0,00000%		
			TRANSITORIO			TC	± 0,067%	0,0076 % / %	0,000000003%					0,00000%			
						Medidor de Energía	± 0,093%	0,00760 % / %	0,000000005%	61	0,0010	1,671	0,00159	0,0012%	0,00121%		
	FACTOR DE POTENCIA	FACTOR DE POTENCIA Turbina a Vapor 1 ION 8600 PT – 0807A491-01	BORNES DEL GENERADOR	0,85 [ - ]	1	TP	± 0,067%	0,00512 % / %	0,00000000%						0,00000%		
			TRANSITORIO			TC	± 0,067%	0,00512 % / %	0,00000000%					0,00000%			
						Medidor de Energía	± 0,052%	0,00512 % / %	0,00000000%	61	0,0000	1,671	0,00002	0,0000%	0,00001%		
	POTENCIA	POTENCIA NETA TG 1 ION 7650 PJ – 0911A504-02	S/E San Luis Punto N2	250 MW	1	TP	± 0,067%	0,6532 % / %	0,00002%						0,00002%		
			FACTURACIÓN			TC	± 0,067%	0,6532 % / %	0,0000%					0,00002%			
						Medidor de Energía	± 0,009%	0,6532 % / %	0,00000%	61	0,0041	1,671	0,00687	0,4490%	0,44902%		
	POTENCIA	POTENCIA NETA Turbina a Vapor 1 ION 7650 PJ – 0911A481-02	S/E San Luis Punto N4	130 MW	1	TP	± 0,067%	0,3491 % / %	0,000005%						0,00001%		
			FACTURACIÓN			TC	± 0,067%	0,3491 % / %	0,000005%					0,00001%			
						Medidor de Energía	± 0,061%	0,3491 % / %	0,000005%	61	0,0026	1,671	0,00427	0,1492%	0,14924%		
	Humedad	Humedad Relativa Entrada al Compresor	11UMB10CM001	70%	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,0000043 % / %	0,000000%		721	0,0493	1,645	0,08117	8,1177%	8,11772%	
	Temperatura	Temperatura Ambiente Entrada al Compresor	11UMB10CT001	15 °C	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,0009 % / °C	0,0000		61	0,0576	1,671	0,09623	9,7170%	9,71697%	

INCERTIDUMBRE																
RESULTADO	MEDIDA	PUNTO DE MEDIDA		Valor Típico de la Medición	CANTIDAD DE INSTRUMENTOS	CLASE DE INSTRUMENTO	INCERIDUMBRE SISTEMÁTICA $U_{Bx}$	SENSIBILIDAD $\Theta$	$(U_B * \Theta)^2$	CANTIDAD DE DATOS	DESVIACIÓN ESTÁNDAR, $S_x$	DISTRIBUCIÓN STUDENT $t_x$ , k	INCERTIDUMBRE ALEATORIA $U_{kx}$	$(U_{kx} * \Theta)^2$	INCERTIDUMBRE TOTAL, $U_t^2$	INCERTIDUMBRE DE LA PRUEBA
		NOMBRE	PUNTO													
	Presión	Presión Barométrica Entrada al Compresor	11UMB10CP001	1003,7 mbar	1	Estación Meteorológica VAISALA PTU303	± 0,01%	-0,0042 % / %	0,0000	61	0,0164	1,671	0,02748	2,3278%	2,32776%	
<b>POTENCIA CORREGIDA</b>														<b>SUMA</b>	20,76197%	<b>0,4557</b>
CONSUMO ESPECÍFICO NETO CORREGIDO	Humedad	Humedad Relativa Entrada al Compresor	11UMB10CM001	70%	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,00001 % / %	0,0000000	61	0,0113	1,671	0,01880	1,8810%	1,88098%	
	Temperatura	Temperatura Ambiente Entrada al Compresor	11UMB10CT001	15 °C	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,00094 % / %	0,0000000	61	0,0113	2,671	0,03005	3,0988%	3,09876%	
	Presión Diferencial	Presión Barométrica Entrada al Compresor	11UMB10CP001	1003,7 mbar	1	Estación Meteorológica VAISALA PTU303	± 0,01%	0,0025 % / %	0,0000000000	61	0,0113	3,671	0,04130	4,3773%	4,37728%	
	Consumo Específico Neto														0,62851%	
<b>CONSUMO ESPECÍFICO NETO CORREGIDO</b>														<b>SUMA</b>	9,98552%	<b>0,3160</b>

## Capítulo 4 Resultados

En las tablas siguientes se presenta un cuadro resumen con los resultados obtenidos en la prueba. Los datos se ordenaron por escalón de carga en orden descendentes. La tabla se divide verticalmente en tres secciones, la primera se refiere a la configuración utilizada, la segunda a la potencia neta medida y corregida y la tercera al consumo específico neto medido y corregido.

Durante la prueba se cumplió con el límite de emisiones, que para el caso del gas natural es 50 mg/Nm<sup>3</sup> de NOx según el DS N°13.

Un resumen de los resultados de la prueba de consumo específico neto para la configuración en ciclo-abierto se presenta en las Tablas 4.1-1 y 4.1-2, para ciclo-combinado en las Tablas 4.2-1 y 4.2-2. En la Tabla 4.3-1 se muestra el consumo específico neto de los fuegos adicionales.

Tabla 4.1-1 POTENCIA NETA Y CONSUMO ESPECÍFICO CICLO-ABIERTO

CONFIGURACIÓN	CICLO ABIERTO	POTENCIA NETA kW			CONSUMO ESPECÍFICO kcal/kWh		
		MEDIDO	CORREGIDO	INCERTIDUMBRE < 1%	MEDIDO	CORREGIDO	INCERTIDUMBRE < 3%
<b>COMBUSTIBLE GNL</b>							
Escalón 213 MW	GNL	209.470	214.650	±0,4540%	2.665	2.664	±0,3160%
Escalón 204 MW	GNL	200.952	209.643	±0,4540%	2.684	2.681	±0,3160%
Escalón 195 MW	GNL	191.850	200.309	±0,4540%	2.708	2.704	±0,3160%
Escalón 187 MW	GNL	184.092	192.332	±0,4540%	2.721	2.717	±0,3160%
Escalón 178 MW	GNL	175.236	183.595	±0,4540%	2.746	2.742	±0,3160%
Escalón 169 MW	GNL	166.304	174.480	±0,4540%	2.793	2.790	±0,3160%
Escalón 160 MW	GNL	157.393	166.645	±0,4540%	2.836	2.831	±0,3160%

Tabla 4.1-2 POTENCIA BRUTA CICLO-ABIERTO

ESCALÓN MW	213	204	195	187	178	169	160
POTENCIA BRUTA MEDIDA [ kW ]	211.481	200.952	191.850	184.092	175.236	166.304	157.393
POTENCIA BRUTA CORREGIDA [ kW ]	216.986	212.497	203.187	195.065	186.130	177.084	169.108
INCERTIDUMBRE	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%

Tabla 4.2-1 POTENCIA NETA Y CONSUMO ESPECÍFICO CICLO-COMBINADO

CONFIGURACIÓN	CICLO COMBINADO	POTENCIA NETA kW			CONSUMO ESPECÍFICO kcal/kWh			EMISIONES
		MEDIDO	CORREGIDO	INCERTIDUMBRE < 1%	MEDIDO	CORREGIDO	INCERTIDUMBRE < 3%	NOX mg/Nm <sup>3</sup>
								LÍMITE 50 [mg/Nm <sup>3</sup> ]
Escalón Carga Base + Fuegos adicionales	GNL	322.574	326.429	± 0,4557 %	1.787	1.791	±0,3160%	28,06
Escalón 324 MW	GNL	312.211	319.569	± 0,4557 %	1.779	1.782	±0,3160%	33,20
Escalón 317 MW	GNL	309.638	320.016	± 0,4557 %	1.777	1.781	±0,3160%	32,47
Escalón 307 MW	GNL	298.257	309.155	± 0,4557 %	1.793	1.798	±0,3160%	29,59
Escalón 288 MW	GNL	279.444	288.707	± 0,4557 %	1.813	1.817	±0,3160%	25,68
Escalón 276 MW	GNL	268.063	279.644	± 0,4557 %	1.813	1.819	±0,3160%	26,39
Escalón 265 MW	GNL	256.443	263.799	± 0,4557 %	1.819	1.822	±0,3160%	25,14
Escalón 253 MW	GNL	245.651	250.829	± 0,4557 %	1.833	1.835	±0,3160%	29,61

Tabla 4.2-2 POTENCIA BRUTA CICLO-COMBINADO

ESCALÓN MW	CB + FA	324	317	307	288	276	265	253
POTENCIA BRUTA CICLO COMBINADO MEDIDA [ kW ]	331.270	320.715	318.131	306.624	287.818	274.629	264.269	253.411
POTENCIA BRUTA CORREGIDA [ kW ]	335.232	328.276	328.796	317.830	297.360	286.495	271.852	258.754
INCERTIDUMBRE	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%	±0,0673%

Tabla 4.3-1 CONSUMO ESPECÍFICO FUEGOS ADICIONALES

Consumo de Calor Medido [kcal/h]	Aporte Potencia Neta (Neta CB+FA) – (Neta 324) [kWh]	CEN FA [kcal/kWh]
16.910.049	6.860	2.465

## Capítulo 5 Conclusiones

La Prueba de Consumo Específico se realizó siguiendo las indicaciones del protocolo de prueba y dando cumplimiento cabal a las directrices dadas en el Anexo Técnico Determinación de Consumos Específicos en Unidades Generadoras.

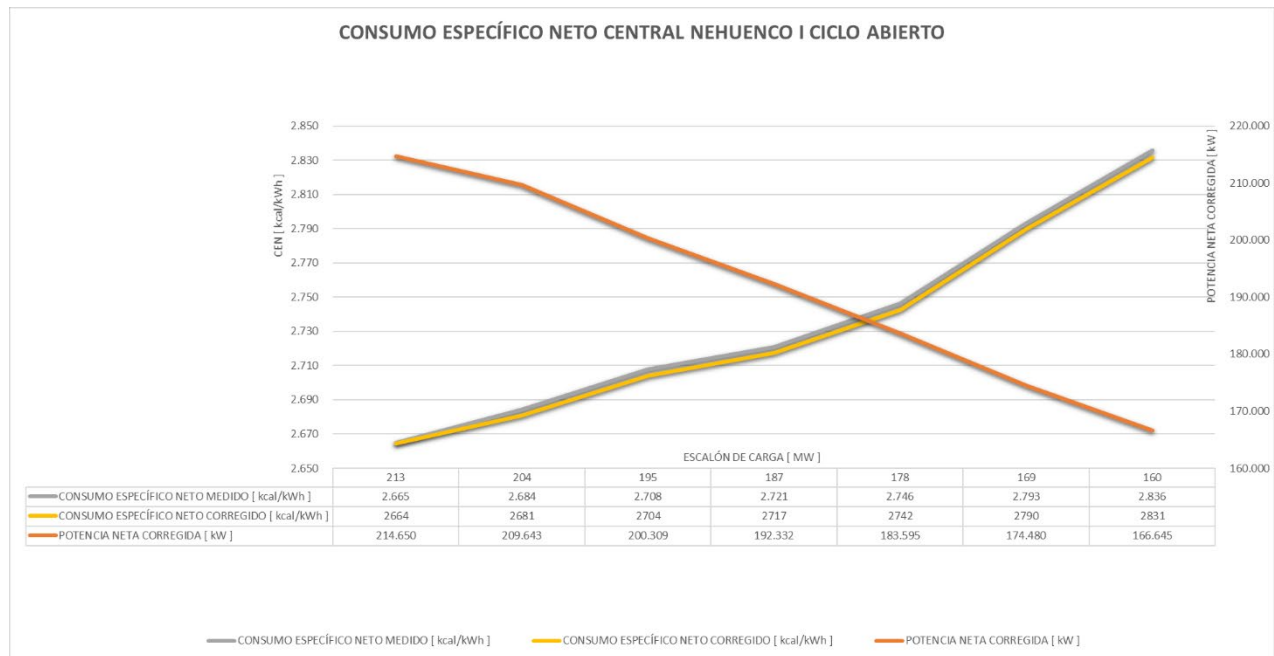
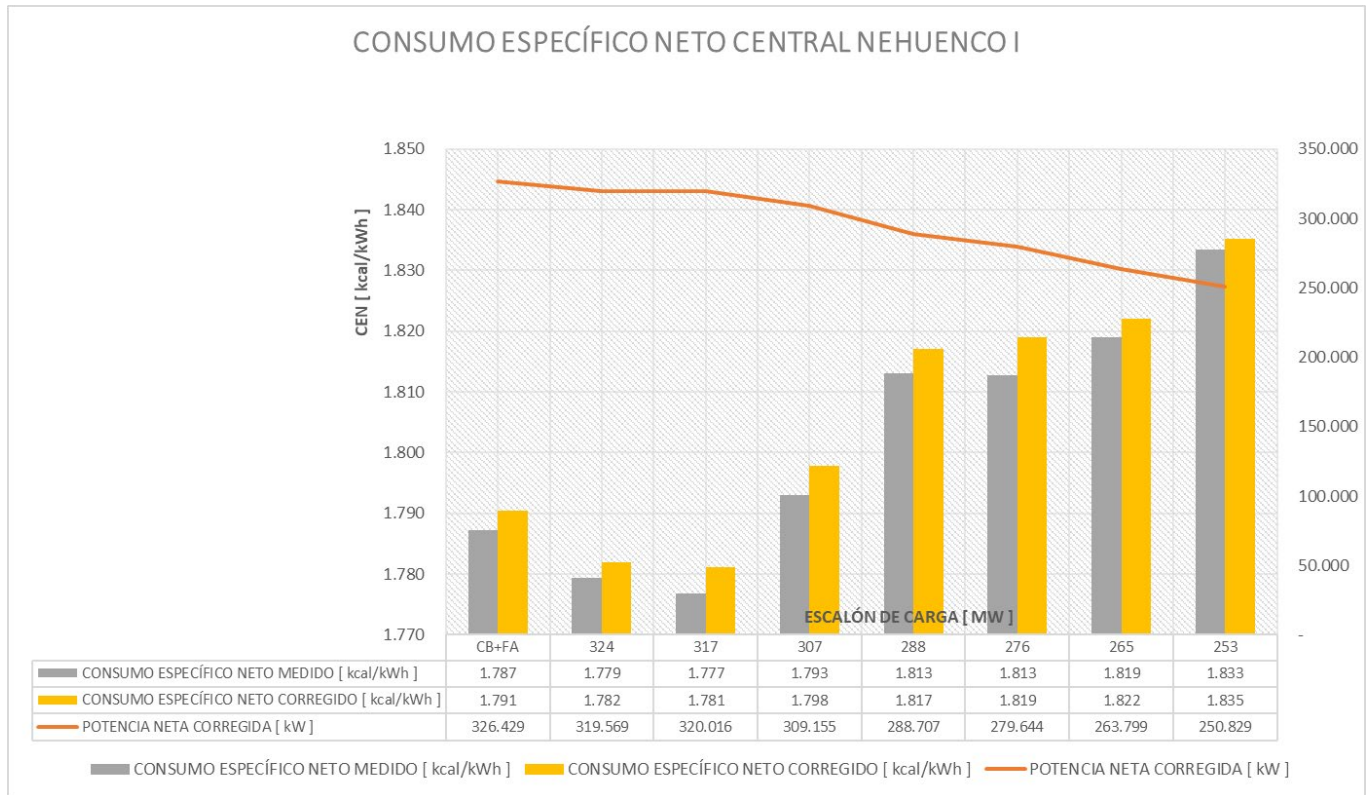


Figura 5-1 Potencia Neta vs CEN Ciclo Abierto Combustible GNL

En la Figura 5-1 representa el consumo específico versus la potencia neta en la configuración ciclo abierto con GNL, se aprecia que el consumo específico medido y el consumo específico corregido se mueven perfectamente en paralelo y va aumentando a medida que la potencia neta disminuye; lo cual, es consistente con el comportamiento esperado.



**Figura 5-2 Potencia Neta vs CEN Ciclo Combinado Combustible GNL**

En la Figura 5-2 se representa el consumo específico versus la potencia neta en la configuración ciclo combinado con GNL, se aprecia que el consumo específico medido y el consumo específico corregido se mueven perfectamente en paralelo y va aumentando a medida que la potencia neta disminuye; lo cual, es consistente con el comportamiento esperado. También se puede observar el aumento del consumo específico en el escalón de carga base con fuegos adicionales (CB+FA) debido a la ineficiencia de los fuegos adicionales, ya que el aporte de energía adicional sólo afecta al ciclo de vapor.



## Capítulo 6 Apéndices

- A – 1 Curvas de Corrección
- A – 2 Certificados de Contrastación de Instrumentos
- A – 3 Protocolos de Análisis de Combustibles
- A – 4 Protocolo de Mediciones
- A – 5 Esquemas de Mediciones Principales
- A – 6 Esquema de Balances Térmicos



## A – 1 Curvas de Corrección



# CCPP NEHUENCO

GUD 1.V94.3A

without Duct Firing

## CC NET OUTPUT AND CC NET HEAT RATE CORRECTION VS AMBIENT TEMPERATURE

$p_{amb}$  1003,7 mbar (Elevation 74m)

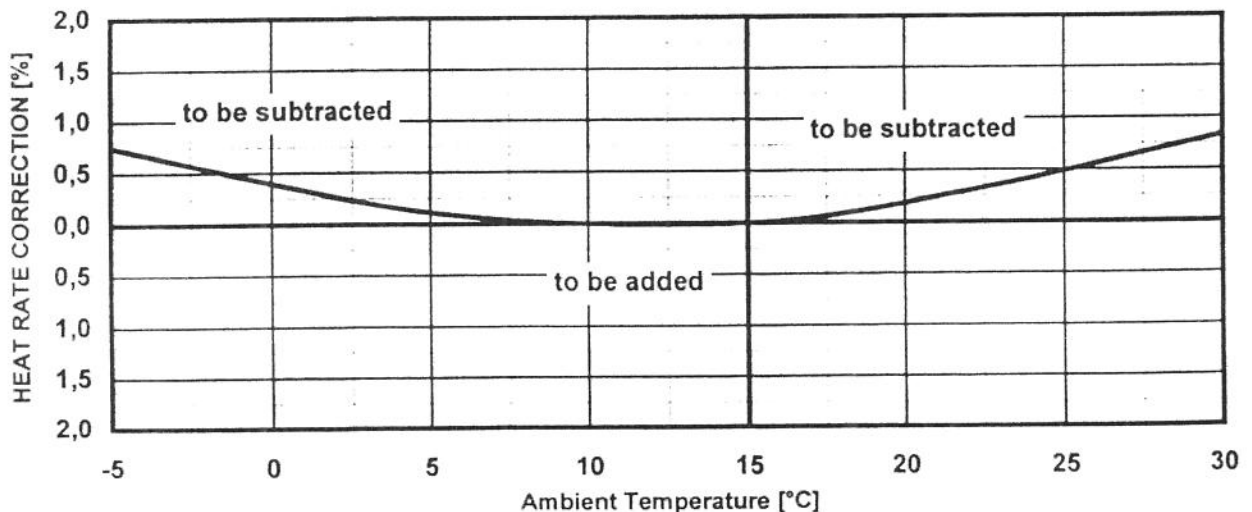
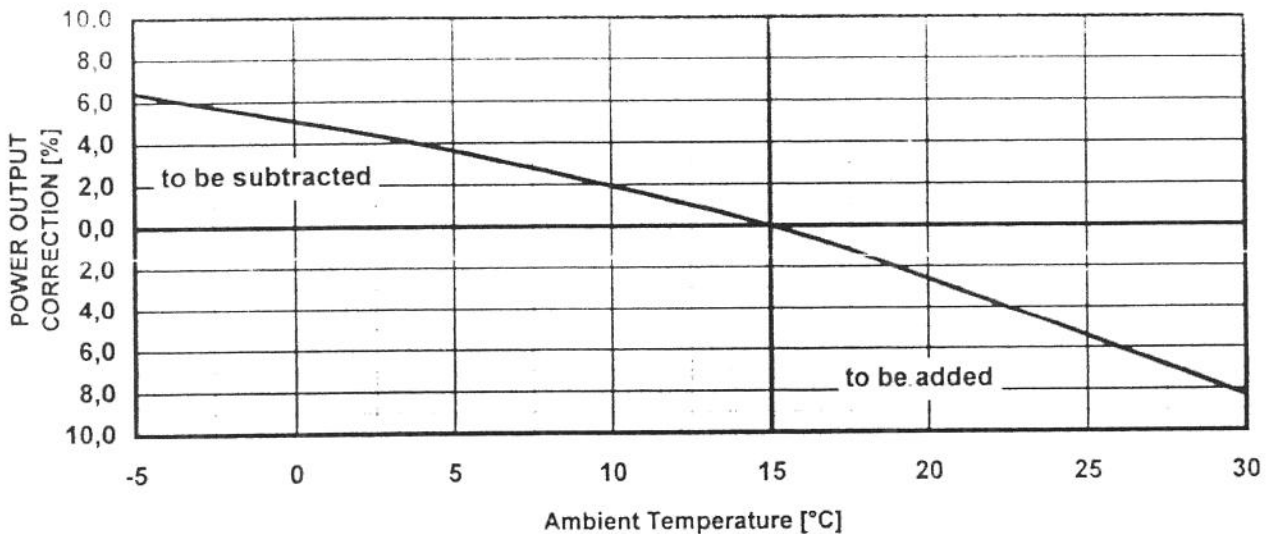
Water Injection 2,661 kg/s

$\cos(\phi)$  0,85

LCV: 46 904 kJ/kg

Turbine Speed 3000 1/min

$\eta_{amb}$  60%



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

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DEPARTMENT: TAP2

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without Duct Firing

## CC NET OUTPUT AND CC NET HEAT RATE CORRECTION VS RELATIVE HUMIDITY

$p_{amb}$  1003,7 mbar (Elevation 74m)

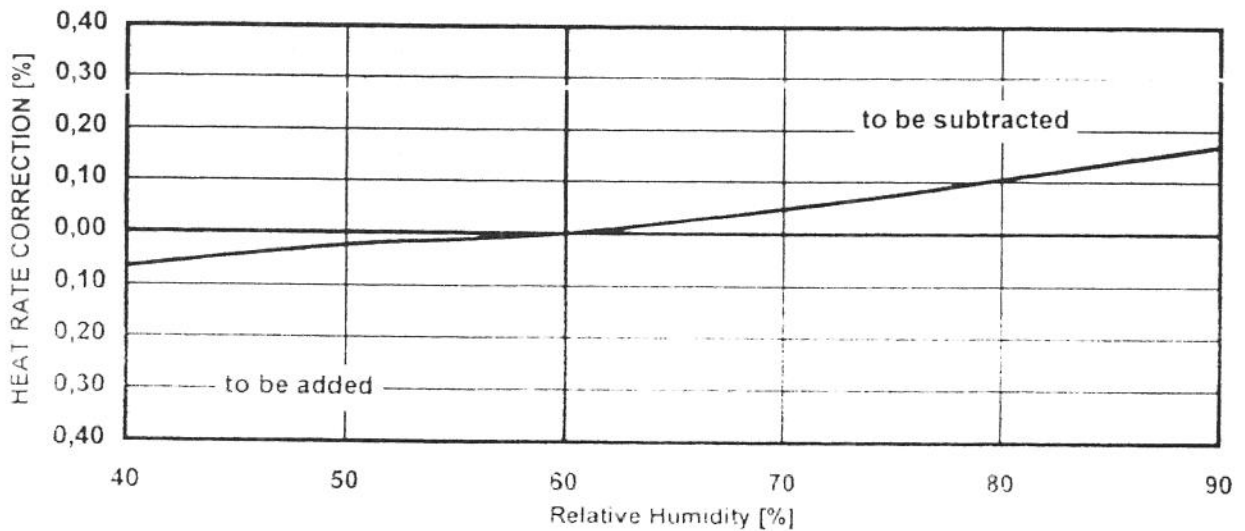
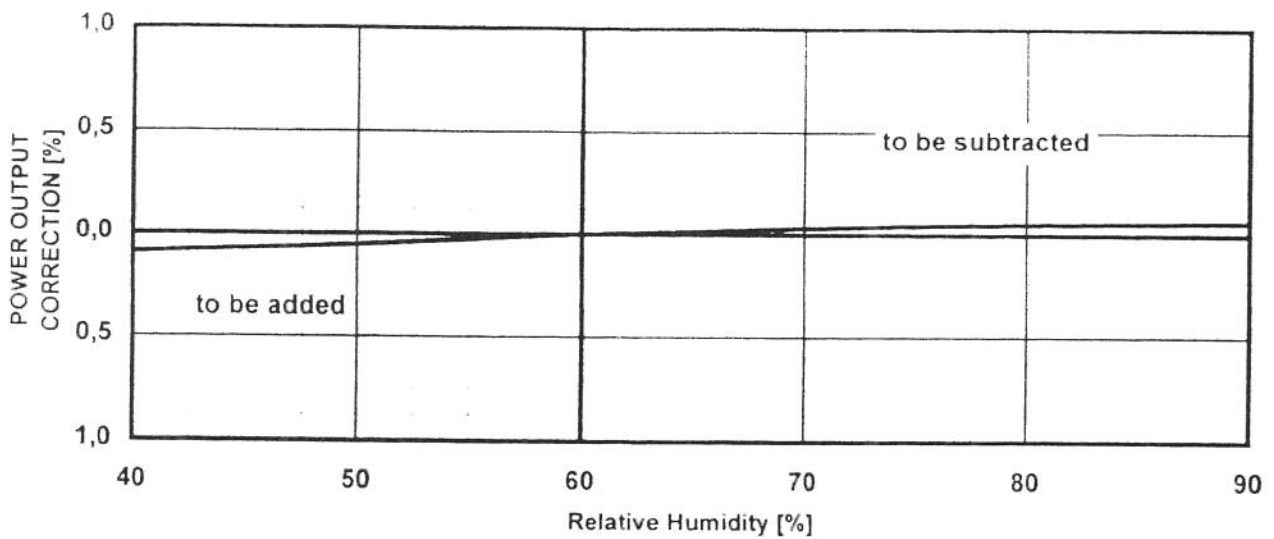
Water Injection 2,661 kg/s

$\cos(\phi)$  0,85

$LCV_{fuel}$  46 904 kJ/kg

Turbine Speed 3000 1/min

$T_{amb}$  15 °C



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

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# CCPP NEHUENCO

GUD 1.V94.3A

without Duct Firing

CC NET OUTPUT AND CC NET HEAT RATE CORRECTION  
VS AMBIENT PRESSURE

$T_{amb}$  15°C

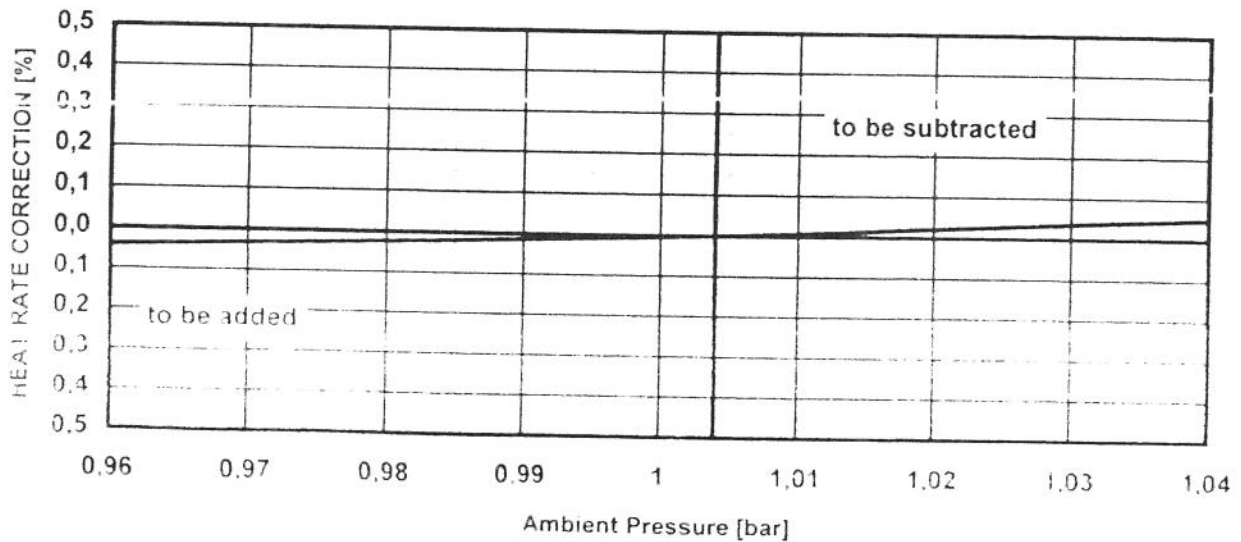
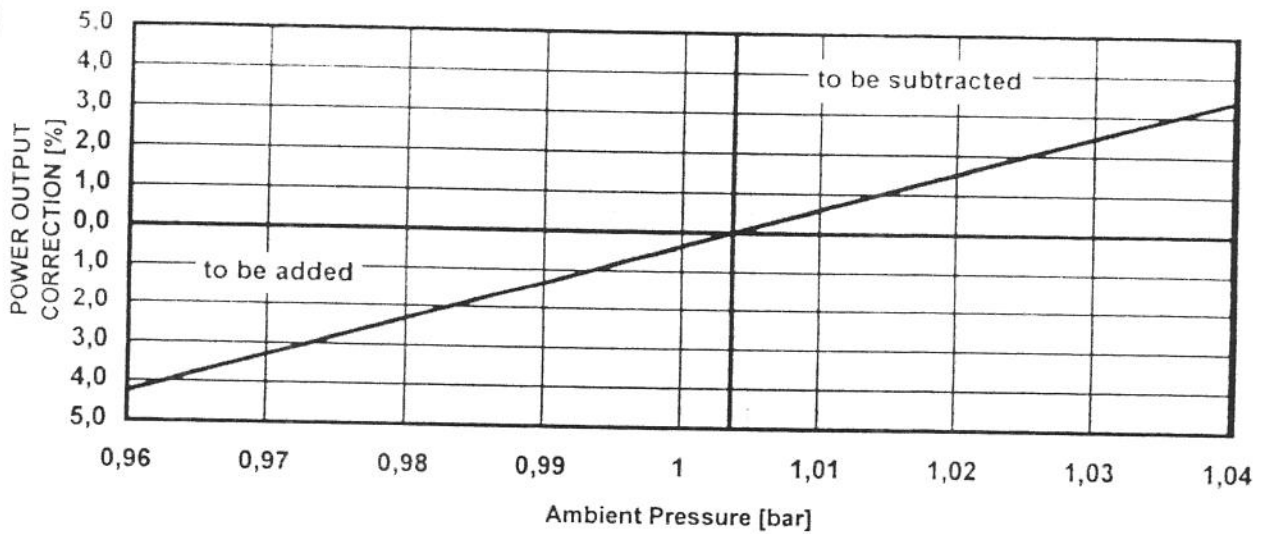
$LCV_{fuel}$  46 904 kJ/kg

Water Injection: 2,661 kg/s


Turbine Speed: 3000 1/min

$\cos(\phi)$  0.85

$\eta_{amb}$  60%



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

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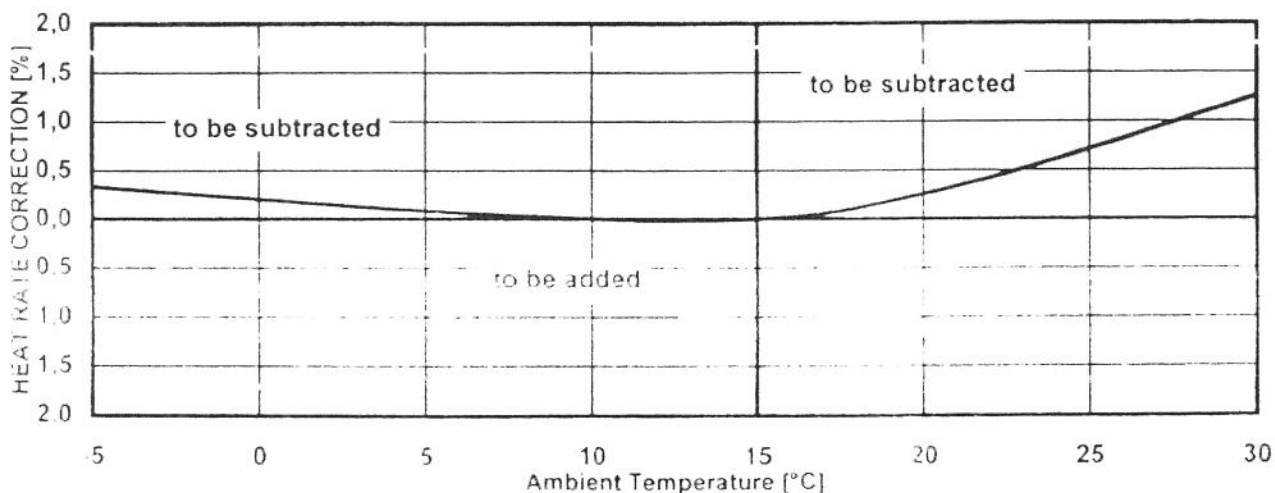
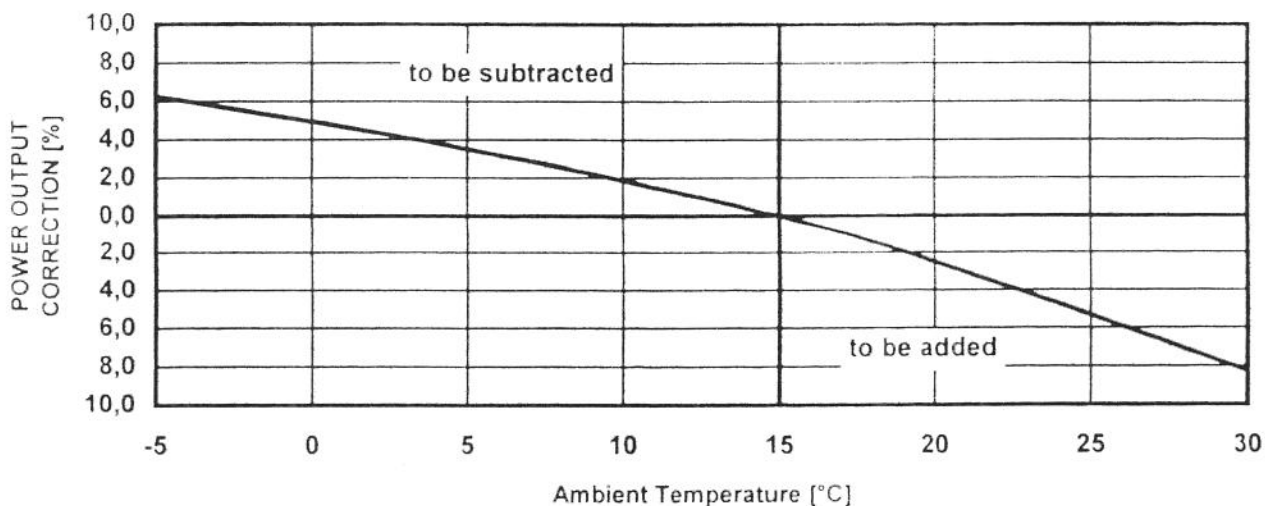
# CCPP NEHUENCO

GUD 1.V94.3A


with Duct Firing

CC NET OUTPUT AND CC NET HEAT RATE CORRECTION  
VS AMBIENT TEMPERATURE

$p_{amb}$ : 1003.7 mbar (Elevation: 74m)    Turbine Speed: 3000 1/min     $\cos(\Phi)$ : 0.85  
 LCV: 46 904 kJ/kg    Water Injection: 2.661 kg/s     $\rho_{amb}$ : 50%  
 Duct Firing Fuel: 1.045 kg/s



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

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DEPARTMENT: TAP2	VERIFIED: <i>[Signature]</i>	
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# CCPP NEHUENCO

GUD 1.V94.3A

with Duct Firing

## CC NET OUTPUT AND CC NET HEAT RATE CORRECTION VS RELATIVE HUMIDITY

$p_{amb}$  1003.7 mbar (Elevation: 14m)

Turbine Speed 3000 1/min

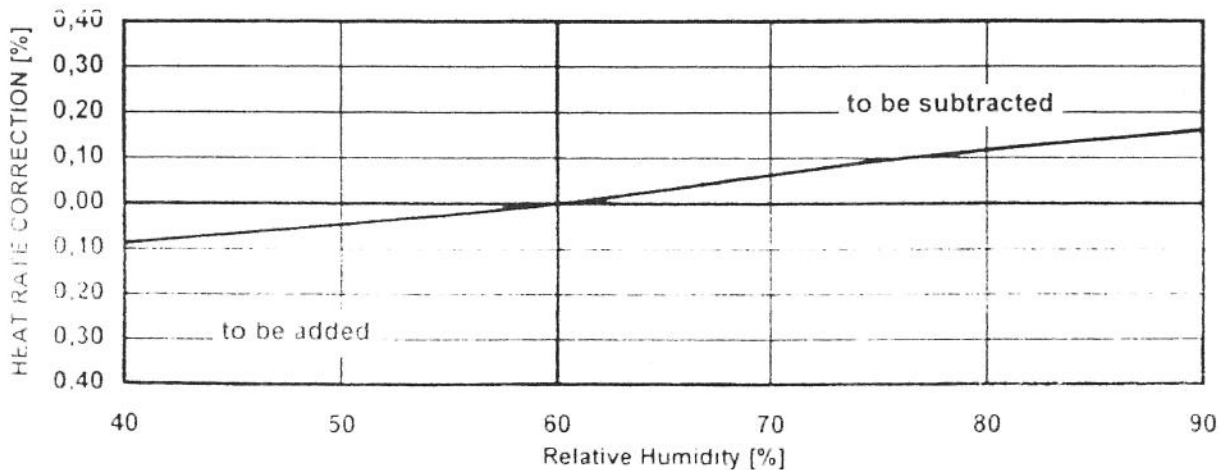
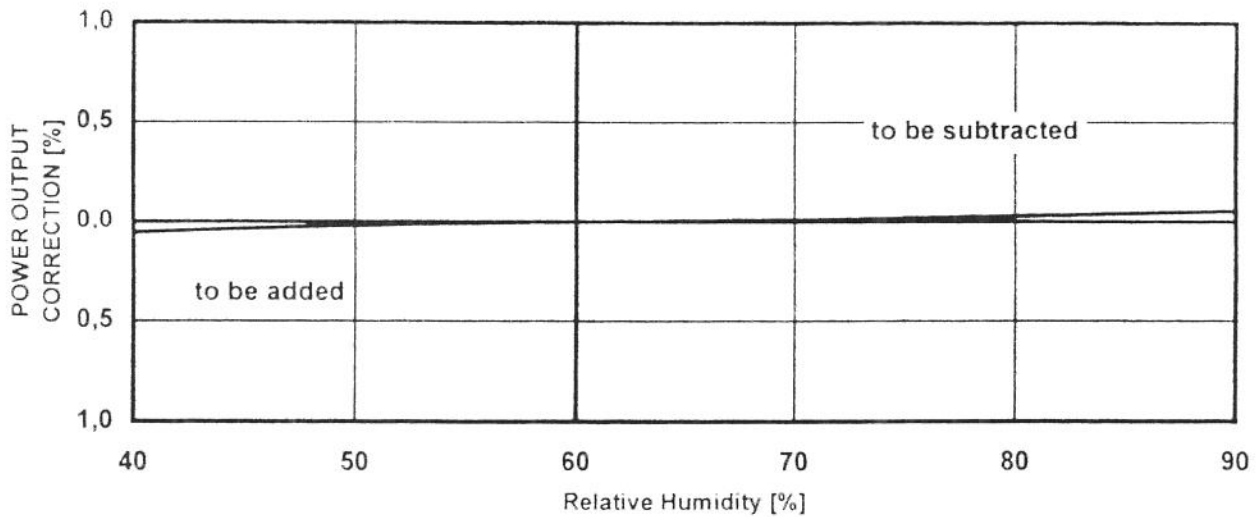
$\cos(\phi)$  0.85

LCV: 46.904 kJ/kg

Water Injection: 2.661 kg/s

$T_{amb}$  15 °C

Duct Firing Fuel: 1,045 kg/s



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

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DEPARTMENT: TAP2

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# CCPP NEHUENCO

GUD 1.V94.3A

with Duct Firing

CC NET OUTPUT AND CC NET HEAT RATE CORRECTION  
VS AMBIENT PRESSURE

$T_{amb}$  15 C

LCV: 46 904 kJ/kg

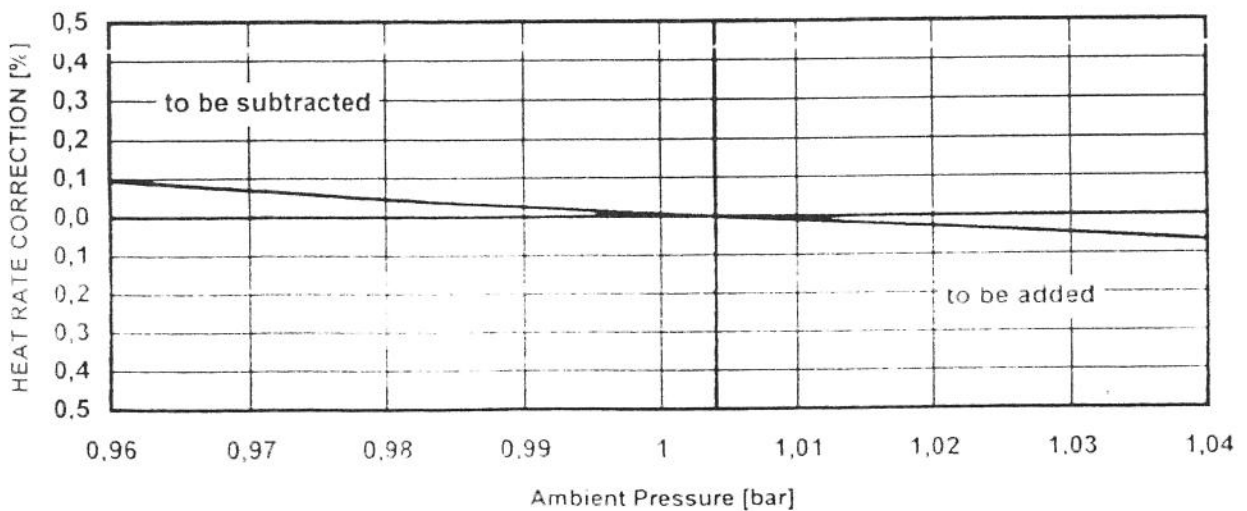
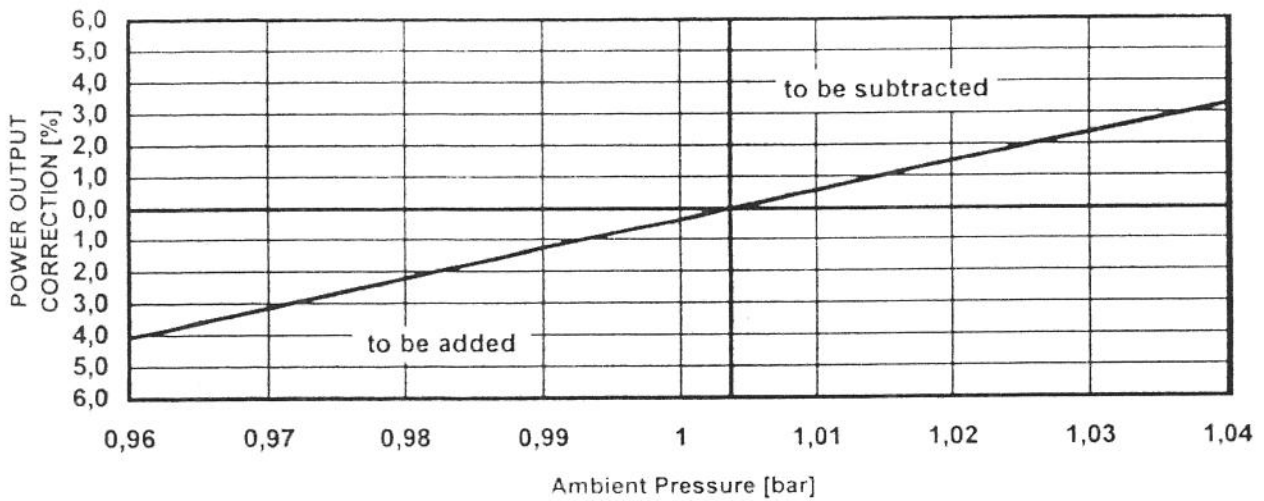
Water Injection 2,661 kg/s

Turbine Speed 3000 1/min

Duct Firing Fuel: 1,045 kg/s

$\cos(\phi)$  0,85

$\eta_{amb}$  60%



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

DRAWING No 3814 Rev 1

DRAWN

DEPARTMENT: TAP2

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SIEMENS AG

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# CCPP NEHUENCO

GUD 1.V94.3A

with Duct Firing

## CC NET OUTPUT AND CC NET HEAT RATE CORRECTION VS INLET PRESSURE LOSS

$p_{amb}$  1003,7 mbar (Elevation 74m)

$T_{amb}$  15°C

$\cos(\phi)$  0.85

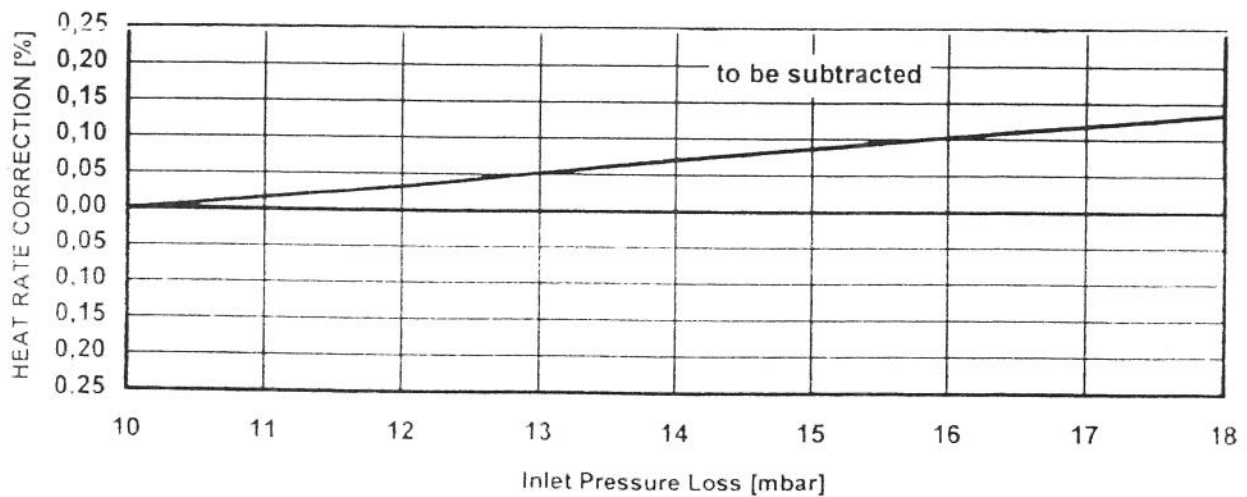
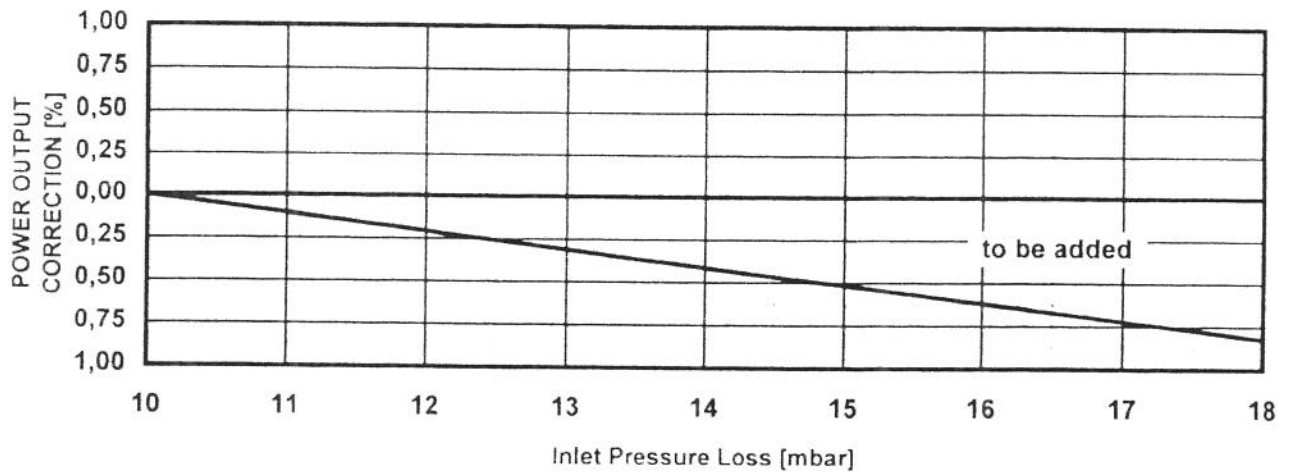
$LCV_{fuel}$  46 904 kJ/kg

Water Injection 2.661 kg/s


$\rho_{amb}$  60%

Turbine Speed 3000 1/min

Duct Firing Fuel: 1,045 kg/s



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

DRAWING No.: 3823 Rev 1	DRAWN <i>[Signature]</i>	<b>SIEMENS AG</b> UB KWU 
DEPARTMENT: TAP2	VERIFIED <i>[Signature]</i>	
ERLANGEN, 29.04.98		

# CCPP NEHUENCO

GUD 1.V94.3A

without Duct Firing

## CC NET OUTPUT AND CC NET HEAT RATE CORRECTION VS INLET PRESSURE LOSS

$p_{amb}$  1003,7 mbar (Elevation 74m)

$T_{amb}$  15 °C

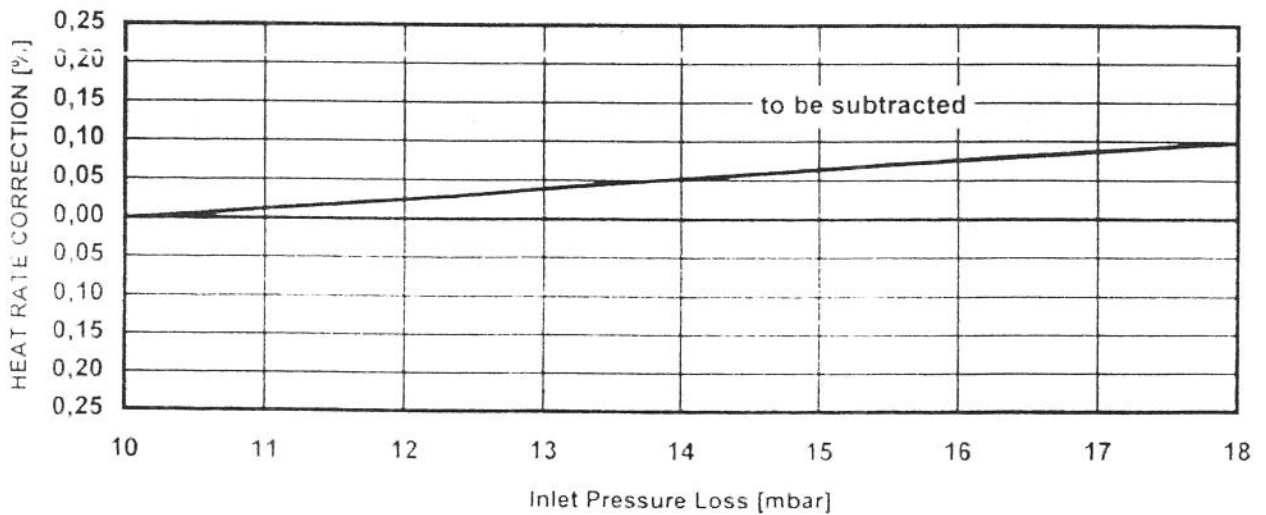
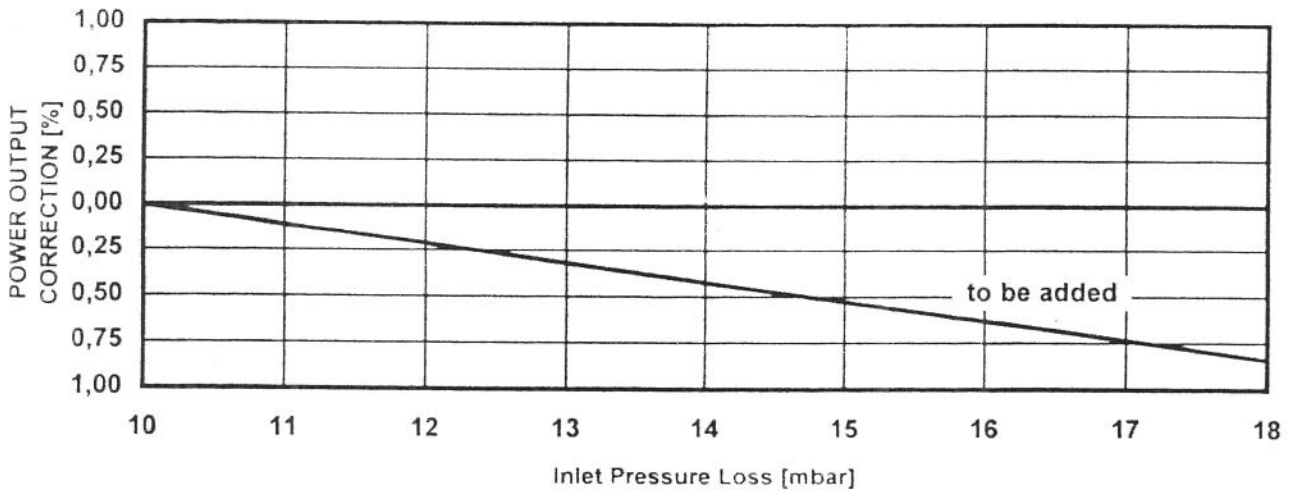
$\cos(\phi)$  0.85

$LCV_{fuel}$  46.904 kJ/kg

Water Injection 2.661 kg/s

$\phi_{amb}$  60%

Turbine Speed 3000 1/min



THE CURVES ARE VALID FOR CORRECTION OF MEASURED OUTPUT OR HEAT RATE

DRAWING No. 3824 Rev 1

DRAWN:

DEPARTMENT: TAP2

VERIFIED: *Li*

ERLANGEN, 29.04.98

**SIEMENS AG**

**UB KWU**







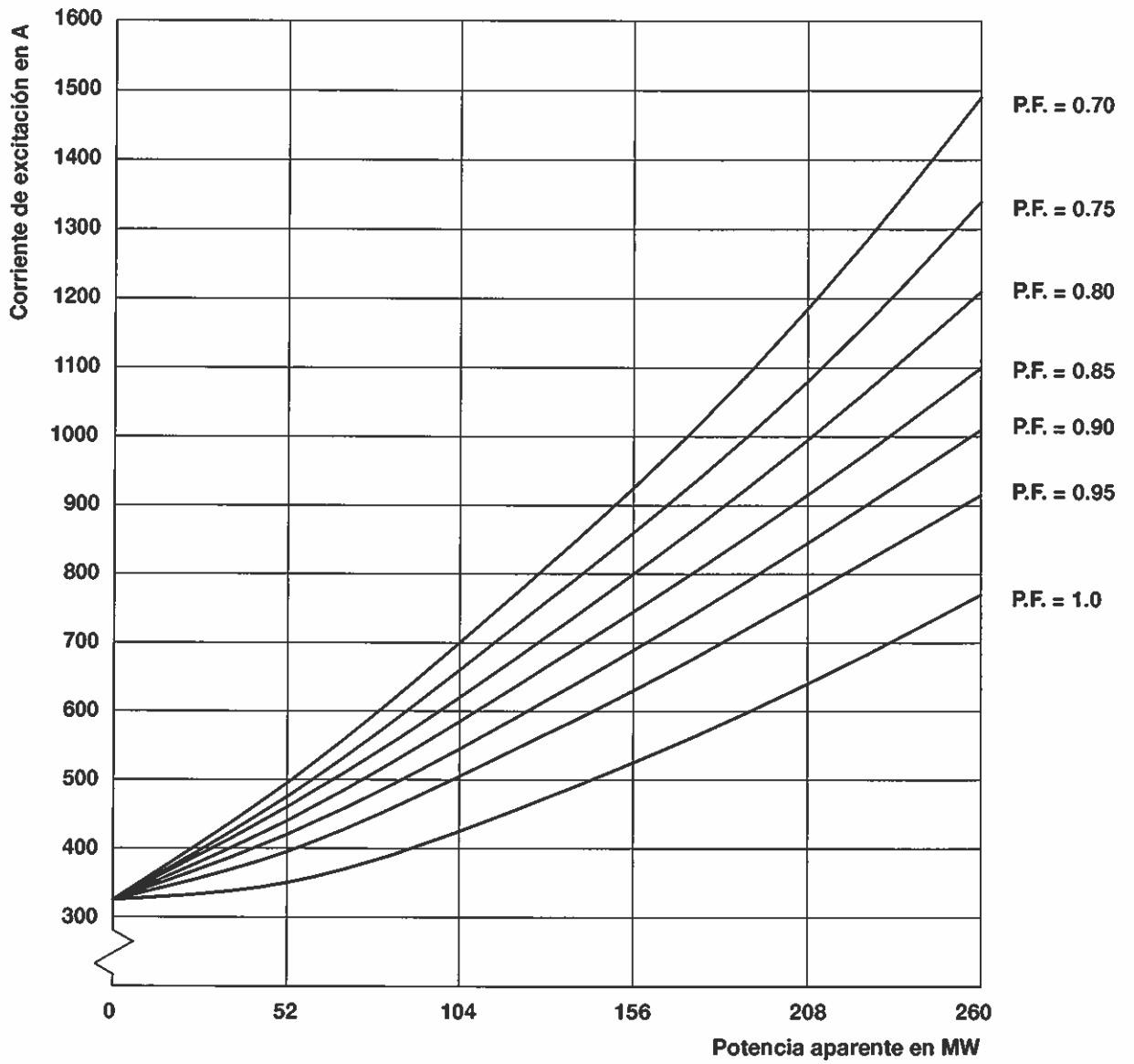
			ESCALÓN	213	204	195	187	178	169	160
<b>Valores Medidos</b>	Variable	Unidad	Fórmula							
Potencia activa medida	$P_M'$	kW	Valor medido	211.481	203.366	194.288	186.453	177.394	168.480	159.338
Voltaje medido	$U_M'$	V	Valor medido	15.967	15.966	15.904	15.842	15.843	15.843	15.843
Corriente medida	$I_M'$	A	Valor medido	8.044	7.774	7.440	7.102	6.716	6.467	6.142
Corriente de campo medida	$I_f'$	A	Valor medido	775	760	733	699	668	664	645
Potencia aparente	$S_1'$	kVA	$\sqrt{3} * I_M' * U_M'$	222.458	214.991	204.940	194.860	184.307	177.452	168.550
Factor de potencia	p.f.'		$P_M'/S_1'$	0,9507	0,9459	0,9480	0,9569	0,9625	0,9494	0,9453
<b>Valores Nominales</b>										
Bobinas del rotor (20 °C)	$R_{L20}$	$\Omega$		0,3524	0,3524	0,3524	0,3524	0,3524	0,3524	0,3524
Eficiencia nominal del generador	$\eta_N$	%		98,65	98,65	98,65	98,65	98,65	98,65	98,65
Voltaje nominal	$U_N$	V		15.750	15.750	15.750	15.750	15.750	15.750	15.750
Corriente nominal	$I_N$	A		10.007	10.007	10.007	10.007	10.007	10.007	10.007
Factor de potencia nominal	p.f. <sub>N</sub>			0,95	0,95	0,95	0,95	0,95	0,95	0,95
Potencia aparente nominal	$S_N$	kVA		273.000	273.000	273.000	273.000	273.000	273.000	273.000
Pérdidas por fricción nominal	$P_{LFRN}$	kW		1.483	1.483	1.483	1.483	1.483	1.483	1.483
Pérdidas del núcleo nominal	$P_{LIRN}$	kW	Certificado de prueba del Generador	397	397	397	397	397	397	397
Pérdidas de corto-circuito nominal	$P_{LSCN}$	kW		855	855	855	855	855	855	855
Pérdidas de campo I <sup>2</sup> R nominal	$P_{V,ExcN}$	kW		429	429	429	429	429	429	429
Pérdida por contacto de las escobillas nominal	$P_{L,CN}$	kW		2	2	2	2	2	2	2
Pérdida por carga ajuste RR nominal	$P_{L,RRN}$	kW		0	0	0	0	0	0	0
Pérdidas totales nominal	$\sum P_{LN}$	kW		3.166	3.166	3.166	3.166	3.166	3.166	3.166
<b>Pérdidas (valores medidos)</b>										
Pérdidas por fricción	$P_{LFR}'$	kW		1483	1483	1483	1483	1483	1483	1483
Pérdidas del núcleo	$P_{LIR}'$	kW		402	402	402	402	402	402	402
Pérdidas de corto-circuito	$P_{LIR}'$	kW	$P_{L,SCN}(I_M'/I_N)^2$	552	516	473	431	385	357	322
Pérdidas de campo I <sup>2</sup> R	$P_{V,Exc}'$	kW	$1,21R_{L20}(I_f')^2/1000$	256	247	229	208	190	188	177
Pérdida por contacto de las escobillas	$P_{L,C}'$	kW	$2I_f'^2 * 10^{-3}$	1,55	1,52	1,47	1,40	1,34	1,33	1,29
Pérdida por carga ajuste RR	$P_{L,RR}'$	kW	No existe	0	0	0	0	0	0	0
Pérdidas totales	$\sum P_L$	kW		2.695	2.649	2.588	2.525	2.462	2.431	2.386
<b>Pérdidas al Factor de Potencia Nominal</b>										
Corriente calculada	$I_{calculada}$	A	$P_M' / (\sqrt{3} * p.f. * U_N)$	8.160	7.847	7.497	7.195	6.845	6.501	6.148
Potencia aparente	S	kVA	$\sqrt{3} * I_{calculada} * U_N$	222.612	214.069	204.514	196.266	186.730	177.348	167.725
Corriente de campo calculada	$I_{f,calc}$	A	Curva Siemens 2.1-1819-0010	881	868	831	694	658	664	644
Pérdidas por fricción	$P_{L,FR}$	kW	Certificado del Generador	1.483	1.483	1.483	1.483	1.483	1.483	1.483
Pérdidas del núcleo	$P_{L,IR}$	kW	Certificado del Generador	397	397	397	397	397	397	397
Pérdidas de corto-circuito	$P_{L,SC}$	kW	$P_{L,SCN} * (I_{calculada}/I_N)^2$	568,55	525,76	479,87	441,94	400,04	360,85	322,75
Pérdidas de campo I <sup>2</sup> R	$P_{V,Exc}$	kW	$1,21R_{L20}(I_{f,calc})^2$	331	321	295	205	184	188	177
Pérdidas por contacto de las escobillas	$P_{L,C}$	kW	$2I_{f,calc}^2 * 10^{-3}$	2	2	2	1	1	1	1
Pérdidas por carga ajuste-RR	$P_{L,RR}$	kW	No existe	0	0	0	0	0	0	0
Pérdidas totales	$\sum P_L$	kW		2.782	2.728	2.656	2.529	2.466	2.430	2.381
Diferencia de las pérdidas totales	$\Delta P$	kW		86,44	79,37	68,10	3,59	4,06	-1,33	-4,62



			ESCALÓN	CB + FA	324	317	307	288	276	265	253
<b>Valores Medidos</b>											
Potencia activa medida	$P_M'$	kW	Valor medido	211.024	208.925	207.019	199.422	185.935	176.567	167.586	159.379
Voltaje medido	$U_M'$	V	Valor medido	15.685	15.684	15.685	15.685	15.654	15.654	15.695	15.779
Corriente medida	$I_M'$	A	Valor medido	7.866	7.780	7.763	7.500	7.002	6.625	6.265	5.981
Corriente de campo medida	$I_f'$	A	Valor medido	709	700	712	699	664	634	610	605
Potencia aparente	$S_1'$	kVA	$\sqrt{3} * I_M' * U_M'$	213.692	211.354	210.917	203.756	189.856	179.624	170.323	163.469
Factor de potencia	p.f.1'		$P_M'/S_1'$	0,9875	0,9885	0,9815	0,9787	0,9793	0,9830	0,9839	0,9750
<b>Valores Nominales</b>											
Bobinas del rotor (20 °C)	$R_{L20}$	$\Omega$		0,3524	0,3524	0,3524	0,3524	0,3524	0,3524	0,3524	0,3524
Eficiencia nominal del generador	$\eta/N$	%		98,65	98,65	98,65	98,65	98,65	98,65	98,65	98,65
Voltaje nominal	$U_N$	V		15.750	15.750	15.750	15.750	15.750	15.750	15.750	15.750
Corriente nominal	$I_N$	A		10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007
Factor de potencia nominal	$p.f.N$			0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
Potencia aparente nominal	$S_N$	kVA		273.000	273.000	273.000	273.000	273.000	273.000	273.000	273.000
Pérdidas por fricción nominal	$P_{LFRN}$	kW		1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483
Pérdidas del núcleo nominal	$P_{LIRN}$	kW	Certificado de prueba del Generador	397	397	397	397	397	397	397	397
Pérdidas de corto-circuito nominal	$P_{LSCN}$	kW		855	855	855	855	855	855	855	855
Pérdidas de campo $I^2R$ nominal	$P_{V,EXN}$	kW		429	429	429	429	429	429	429	429
Pérdida por contacto de las escobillas nominal	$P_{L,LCN}$	kW		2	2	2	2	2	2	2	2
Pérdida por carga ajuste RR nominal	$P_{L,RRN}$	kW		0	0	0	0	0	0	0	0
Pérdidas totales nominal	$\sum P_{L,N}$	kW		3.166	3.166	3.166	3.166	3.166	3.166	3.166	3.166
<b>Pérdidas (valores medidos)</b>											
Pérdidas por fricción	$P_{L,FR}'$	kW		1483	1483	1483	1483	1483	1483	1483	1483
Pérdidas del núcleo	$P_{L,IR}'$	kW		402	402	402	402	402	402	402	402
Pérdidas de corto-circuito	$P_{L,SC}'$	kW	$P_{L,SCN}(I_M/I_N)^2$	528	517	515	480	419	375	335	305
Pérdidas de campo $I^2R$	$P_{V,EX}'$	kW	$1,21R_{L20}(I_f)^2/1000$	214	209	216	208	188	171	158	156
Pérdida por contacto de las escobillas	$P_{L,C}'$	kW	$2I_f^2 * 10^{-3}$	1,42	1,40	1,42	1,40	1,33	1,27	1,22	1,21
Pérdida por carga ajuste RR	$P_{L,RR}'$	kW	No existe	0	0	0	0	0	0	0	0
Pérdidas totales	$\sum P_L'$	kW		2.629	2.612	2.617	2.575	2.493	2.432	2.380	2.348
<b>Pérdidas al Factor de Potencia Nominal</b>											
Corriente calculada	$I_{calculada}$	A	$P_M' / (\sqrt{3} * p.f.N * U_N)$	8.143	8.062	7.988	7.695	7.175	6.813	6.467	6.150
Potencia aparente	S	kVA	$\sqrt{3} * I_{calculada} * U_N$	222.131	219.921	217.914	209.918	195.721	185.860	176.407	167.767
Corriente de campo calculada	$I_{f,calc}$	A	Curva Siemens 2.1-1819-0010	678	670	683	672	639	609	586	586
Pérdidas por fricción	$P_{L,FR}$	kW	Certificado del Generador	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483
Pérdidas del núcleo	$P_{L,IR}$	kW	Certificado del Generador	397	397	397	397	397	397	397	397
Pérdidas de corto-circuito	$P_{L,SC}$	kW	$P_{L,SCN} * (I_{calculada}/I_N)^2$	566,10	554,90	544,81	505,56	439,49	396,32	357,03	322,92
Pérdidas de campo $I^2R$	$P_{V,EX}$	kW	$1,21R_{L20}(I_{f,calc})^2$	196	191	199	193	174	158	146	146
Pérdidas por contacto de las escobillas	$P_{L,C}$	kW	$2I_{f,calc}^2 * 10^{-3}$	1	1	1	1	1	1	1	1
Pérdidas por carga ajuste-RR	$P_{L,RR}$	kW	No existe	0	0	0	0	0	0	0	0
Pérdidas totales	$\sum P_L$	kW		2.643	2.628	2.625	2.580	2.495	2.435	2.384	2.350
Diferencia de las pérdidas totales	$\Delta P$	kW		14,19	15,10	8,15	4,89	1,90	3,23	4,57	2,76



			ESCALÓN	CB + FA	324	317	307	288	276	265	253
<b>Valores Medidos</b>											
Potencia activa medida	$P_M'$	kW	Valor medido	120.246	111.790	111.112	107.202	101.883	98.062	96.683	94.032
Voltaje medido	$U_M'$	V	Valor medido	10.427	10.428	10.428	10.427	10.428	10.428	10.450	10.511
Corriente medida	$I_M'$	A	Valor medido	6.729	6.251	6.265	6.065	5.790	5.631	5.433	5.313
Corriente de campo medida	$I_f'$	A	Valor medido	610	579	592	583	569	553	538	546
Potencia aparente	$S_1'$	kVA	$\sqrt{3} * I_M' * U_M'$	121.534	112.908	113.153	109.537	104.575	101.700	98.331	96.724
Factor de potencia	p.f.'		$P_M'/S_1'$	0,9894	0,9901	0,9820	0,9787	0,9743	0,9642	0,9832	0,9722
<b>Valores Nominales</b>											
Bobinas del rotor (20 °C)	$R_{L20}$	$\Omega$		0,3338	0,3338	0,3338	0,3338	0,3338	0,3338	0,3338	0,3338
Eficiencia nominal del generador	$\eta_N$	%		98,61	98,61	98,61	98,61	98,61	98,61	98,61	98,61
Voltaje nominal	$U_N$	V		10.500	10.500	10.500	10.500	10.500	10.500	10.500	10.500
Corriente nominal	$I_N$	A		9.623	9.623	9.623	9.623	9.623	9.623	9.623	9.623
Factor de potencia nominal	$p.f._N$			0,85	0,85	0,85	0,85	0,85	0,85	0,85	0,85
Potencia aparente nominal	$S_N$	kVA		175.000	175.000	175.000	175.000	175.000	175.000	175.000	175.000
Pérdidas por fricción nominal	$P_{LFRN}$	kW		761	761	761	761	761	761	761	761
Pérdidas del núcleo nominal	$P_{LSCN}$	kW	Certificado de prueba del Generador	244	244	244	244	244	244	244	244
Pérdidas de corto-circuito nominal	$P_{LSCN}$	kW		726	726	726	726	726	726	726	726
Pérdidas de campo $I^2R$ nominal	$P_{VEXN}$	kW		365	365	365	365	365	365	365	365
Pérdida por contacto de las escobillas nominal	$P_{LON}$	kW		2	2	2	2	2	2	2	2
Pérdida por carga ajuste RR nominal	$P_{LRRN}$	kW		0	0	0	0	0	0	0	1
Pérdidas totales nominal	$\sum P_{L,N}$	kW		2.098	2.098	2.098	2.098	2.098	2.098	2.098	2.099
<b>Pérdidas (valores medidos)</b>											
Pérdidas por fricción	$P_{LFR}'$	kW		761	761	761	761	761	761	761	761
Pérdidas del núcleo	$P_{LIR}'$	kW		244	244	244	244	244	244	244	244
Pérdidas de corto-circuito	$P_{LIR}'$	kW	$P_{LSCN}(I_M'/I_N)^2$	355	306	308	288	263	249	231	221
Pérdidas de campo $I^2R$	$P_{VEX}'$	kW	$1,21R_{L20}(I_f')^2/1000$	150	135	142	137	131	123	117	120
Pérdida por contacto de las escobillas	$P_{LC}'$	kW	$2I_f' * 10^{-3}$	1,22	1,16	1,18	1,17	1,14	1,11	1,08	1,09
Pérdida por carga ajuste RR	$P_{LRR}'$	kW	No existe	0	0	0	0	0	0	0	1
Pérdidas totales	$\sum P_L'$	kW		1.511	1.448	1.456	1.432	1.400	1.378	1.355	1.349
<b>Pérdidas al Factor de Potencia Nominal</b>											
Corriente calculada	$I_{calculada}$	A	$P_M' / (\sqrt{3} * p.f._N * U_N)$	7.779	7.232	7.188	6.935	6.591	6.344	6.254	6.083
Potencia aparente	S	kVA	$\sqrt{3} * I_{calculada} * U_N$	141.466	131.517	130.720	126.120	119.862	115.368	113.744	110.626
Corriente de campo calculada	$I_{f,calc}$	A	Curva Siemens 2.1-1819-0001	575	544	560	553	544	551	507	520,199391
Pérdidas por fricción	$P_{LFR}$	kW	Certificado del Generador	761	761	761	761	761	761	761	761
Pérdidas del núcleo	$P_{LIR}$	kW	Certificado del Generador	244	244	244	244	244	244	244	244
Pérdidas de corto-circuito	$P_{LSC}$	kW	$P_{LSCN} * (I_{calculada}/I_N)^2$	474,37	410,00	405,04	377,04	340,55	315,49	306,67	290,09
Pérdidas de campo $I^2R$	$P_{VEX}$	kW	$1,21R_{L20}(I_{f,calc})^2$	134	120	127	124	119	123	104	109
Pérdidas por contacto de las escobillas	$P_{LC}$	kW	$2I_{f,calc} * 10^{-3}$	1,15	1,09	1,12	1,11	1,09	1,10	1,01	1,04
Pérdidas por carga ajuste-RR	$P_{LRR}$	kW	No existe	0	0	0	0	0	0	0	0
Pérdidas totales	$\sum P_L$	kW		1.614	1.536	1.538	1.507	1.466	1.444	1.416	1.405
Diferencia de las pérdidas totales	$\Delta P$	kW		102,80	87,71	82,06	74,75	66,09	66,19	61,82	56,61

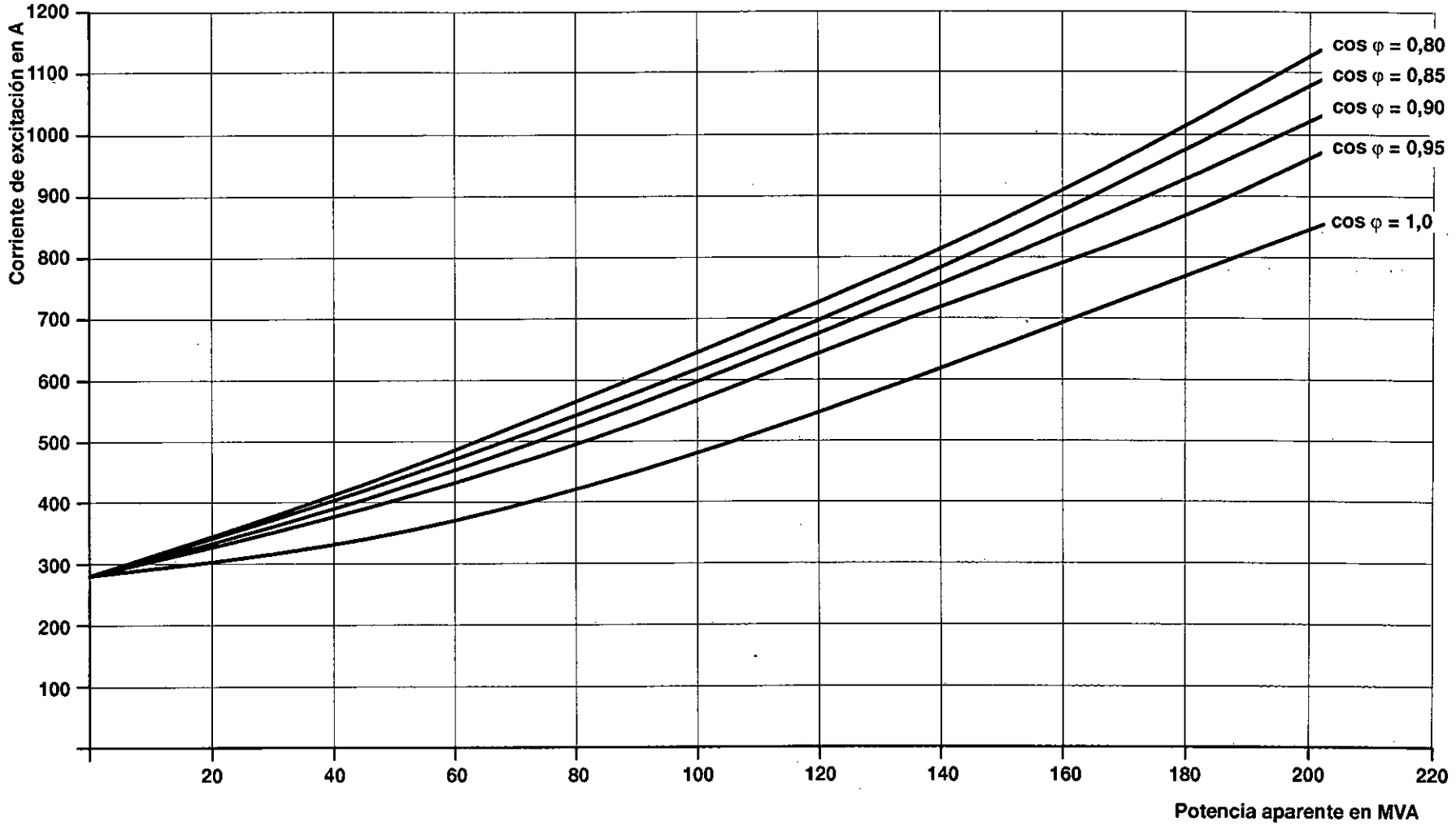


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Clase: SIN RESTRICCIÓN

Turbogeneradores  
Descripción

Corriente de excitación en función de la  
potencia aparente y del factor de potencia  
TLRI 108/36 UN = 10,5 kV



Siemens AG  
Energieerzeugung  
KWU

2.1-1819-0001  
0495Sp



## A – 2 Certificados de Contrastación de Instrumentos

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OPERACIÓN y MANTENIMIENTO INDUSTRIAL

*Flujo Energía Limitada*

Nueva York 53 Oficina 61 - Santiago



<b>OBRA:</b>	Mediciones consumo gas, central térmica Nehuenco 1	<b>DOCUMENTO</b> <b>IS-BF-121019</b>
<b>CLIENTE:</b>	Colbun	
<b>LUGAR:</b>	Planta Quillota - Chile	

## INFORME DE SERVICIO VALIDACION MEDICIONES

REVISION:	PROYECTO	REVISIA	APRUEBA	FECHA	OBSERVACIONES
		J.Cirvini	J.Cirvini	10/12/2019	Obra:

### INTRODUCCIÓN

El presente documento tiene por objeto presentar los resultados de las mediciones de consumo del grupo generador y la validación del cálculo que realiza el SCADA, utilizando como referencia el cálculo realizado por el software ZGas.

### DATOS DE LOS TRANSMISORES Y SOFTWARE

#### Temperatura:

Los sensores de temperatura son termorresistencias PT100 marca Rosemount  
Las lecturas se tomaron de una pantalla del SCADA

#### Transmisores de presión diferencial:

Marca Rosemount  
Modelo 2051 CD

#### Transmisores de presión estática:

Marca Rosemount  
Modelo 2051 CG

#### Software:

Marca NVL  
Versión ZGas 3  
Con llave de hardware Minilock  
Cálculos utilizados

- Densidades, factores de compresibilidad, según ISO 12213 y AGA 8
- Cálculos de caudal para placas orificio, según AGA 3

### TAREAS REALIZADAS

#### Control dimensional de las placas:

Se midieron diámetros, excentricidad, espesores, planitud, ángulo de chaflan utilizando patrones con trazabilidad certificada. (Ver certificados adjuntos).

#### Calibraciones:

Se calibraron las termorresistencias en terreno, utilizando un calibrador de bloque seco como patrón de referencia, comparándolo con la indicación de temperatura en sala de control, mediante una pantalla del SCADA.



<b>OBRA:</b>	Mediciones consumo gas, central térmica Nehuenco 1	DOCUMENTO
<b>CLIENTE:</b>	Colbun	<b>IS-BF-121019</b>
<b>LUGAR:</b>	Planta Quillota - Chile	

## INFORME DE SERVICIO VALIDACION MEDICIONES

REVISION:	PROYECTO	REVISIA	APRUEBA	FECHA	OBSERVACIONES
		J.Cirvini	J.Cirvini	10/12/2019	Obra:

También se calibraron los transmisores de Presión Diferencial y Presión Estática, utilizando patrones con trazabilidad certificada. (Ver certificados adjuntos).

### Simulación:

Se realizaron 3 simulaciones utilizando los mismos valores de, temperatura, presión diferencial y estática tanto en el software ZGas como en el SCADA y se compararon los valores de flujo calculados por el SCADA, con los valores calculados por el software homologado ZGas. La cromatografía utilizada fue provista por Colbun y se utilizó para ambos cálculos.

Los valores son los siguientes:

Temp °C	Presión Diferencial Kpa	Presió Absoluta Kpa	Caudal Zgas Kg/s	Caudal Scada Kg/s	Error %
4	15	3200	8,88	8,91	0,33783784
5	32	3200	12,912	12,967	0,42596035
9	27	3200	11,759	11,802	0,36567735



**LABORATORIO DE METROLOGIA**

Este certificado de calibración documenta la trazabilidad a los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI). Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito de la Empresa que los emite. Certificado de calibración sin firma y sello no serán válidos. El usuario es responsable de la calibración del objeto a intervalos apropiados. Los resultados contenidos en el presente certificado se refieren exclusivamente al momento y condiciones en que se realizaron las mediciones. El Laboratorio de Calibración que lo emite no se responsabiliza de los perjuicios que puedan derivarse del uso inadecuado de los instrumentos calibrados.

Cliente: *COLBUN*  
*NEHUENCO 1*

Instrumento: Termorresistencia PT 100

Fabricante: Rosemount

Modelo: -----

Número de serie: -----

Rango: -50 / 100 °C

Resolución: 0.01 °C

**Identificación Interna del cliente:** **11EKD02CT003A**

Fecha de calibración: 06/12/2019

Fecha de emisión: 11/12/2019

Determinación efectuada: Calibración

Número de páginas del certificado: 2(dos)

**Patrones de referencia:**

Instrumento	Marca	N° serie	N° Certificado
Calibrador de Temperatura	HART	A34308	CEMEC N° 37004/19

**LABORATORIO DE CALIBRACIONES**

**Resultado de la calibración:**

Pto	Valor de Referencia [°C]	Lectura Obtenida [°C]	Error [°C]	U (k=2) ± [°C]
1	0.13	0.57	0.44	0.04
2	5.13	5.49	0.36	
3	10.07	10.35	0.28	

Los valores registrados en la columna "Lectura Obtenida" corresponden al promedio de una serie de mediciones realizadas por punto de control.

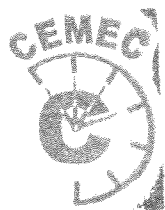
**Procedimiento de calibración:** La calibración fue realizada, generando temperatura estable con un calibrador de temperatura de bloque y obteniendo el valor de la lectura en la pantalla de la sala de control en el Scada.

La incertidumbre de medición expandida informada, fue calculada multiplicando la incertidumbre estándar por un factor de cubrimiento  $k=2$ , que corresponde a un nivel de confianza aproximado del 95% para una distribución normal.

Temperatura del ambiente [°C]  $19 \pm 1$

Humedad relativa [%]  $47 \pm 3$

El instrumento se identifica con la estampilla CEMEC N° **39699/19**



*[Signature]*  
 CEMEC S.A.L.  
 ANGELIE LAMOR  
 SUBDIRECTOR

*[Signature]*  
 CEMEC S.A.L.  
 HERNÁN MONTENEGRO  
 TÉCNICO

**LABORATORIO DE CALIBRACIONES**

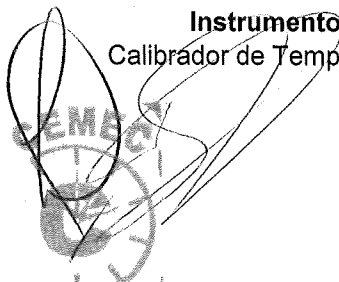
**LABORATORIO DE METROLOGIA**

Este certificado de calibración documenta la trazabilidad a los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI). Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito de la Empresa que los emite. Certificado de calibración sin firma y sello no serán válidos. El usuario es responsable de la calibración del objeto a intervalos apropiados. Los resultados contenidos en el presente certificado se refieren exclusivamente al momento y condiciones en que se realizaron las mediciones. El Laboratorio de Calibración que lo emite no se responsabiliza de los perjuicios que puedan derivarse del uso inadecuado de los instrumentos calibrados.

**Cliente:** COLBUN  
 NEHUENCO 1  
**Instrumento:** Termorresistencia PT 100  
**Fabricante:** Rosemount  
**Modelo:** -----  
**Número de serie:** -----  
**Rango:** -50 / 100 °C  
**Resolución:** 0.01 °C  
**Identificación Interna del cliente:** 11EKD02CT003B  
**Fecha de calibración:** 06/12/2019  
**Fecha de emisión:** 11/12/2019  
**Determinación efectuada:** Calibración  
**Número de páginas del certificado:** 2(dos)

**Patrones de referencia:**

Instrumento	Marca	N° serie	N° Certificado
Calibrador de Temperatura	HART	A34308	CEMEC N° 37004/19



**LABORATORIO DE CALIBRACIONES**

**Resultado de la calibración:**

Pto	Valor de Referencia [°C]	Lectura Obtenida [°C]	Error [°C]	U (k=2) ± [°C]
1	0.13	0.15	0.01	0.03
2	5.13	5.04	-0.09	
3	10.07	10.05	-0.02	

Los valores registrados en la columna "Lectura Obtenida" corresponden al promedio de una serie de mediciones realizadas por punto de control.

**Procedimiento de calibración:** La calibración fue realizada, generando temperatura estable con un calibrador de temperatura de bloque y obteniendo el valor de la lectura en la pantalla de la sala de control en el Scada.

La incertidumbre de medición expandida informada, fue calculada multiplicando la incertidumbre estándar por un factor de cubrimiento k=2, que corresponde a un nivel de confianza aproximado del 95% para una distribución normal.

Temperatura del ambiente [°C]  $19 \pm 1$

Humedad relativa [%]  $47 \pm 3$

El instrumento se identifica con la estampilla CEMEC N°

**39700/19**



  
CEMEC S.R.L.  
ANGEL E. LAMOR  
SUBDIRECTOR

  
CEMEC S.R.L.  
HERNÁN MONTENEGRO  
TÉCNICO

**LABORATORIO DE METROLOGIA**

Este certificado de calibración documenta la trazabilidad a los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI). Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito de la Empresa que los emite. Certificado de calibración sin firma y sello no serán válidos.

El usuario es responsable de la calibración del objeto a intervalos apropiados.

Los resultados contenidos en el presente certificado se refieren exclusivamente al momento y condiciones en que se realizaron las mediciones. El Laboratorio de Calibración que lo emite no se responsabiliza de los perjuicios que puedan derivarse del uso inadecuado de los instrumentos calibrados.

Cliente	<i>COLBUN</i>		
	<i>NEHUENCO 1</i>		
Instrumento:	Modulo de presión		
Fabricante/Marca	Rosemount		
N° de serie	0286624		
Modelo	2051CG		
Rango	30	bar	
Subdivisión de escala	0.010	bar	
<b>Identificación Interna del cliente:</b>	<b>0286624</b>		
Determinaciones efectuadas	Calibración		
Según procedimiento	PLM-30		
Fecha de calibración	07/12/2019		
Fecha de emisión	10/12/2019		

**Instrumentos de referencia utilizados:**

Instrumento	Marca	N° serie	N° Certificado
Manómetro digital	Zurich	11980	CEMEC S-9700/19

**LABORATORIO DE CALIBRACIONES**

**Resultado de la calibración**

Valor de Referencia [bar]	Valor de Indicación [bar]		Error de Indicación fe [bar]		Incertidumbre ± [bar]
	asc.	desc.	asc.	desc.	
0.000	0.03	0.03	0.03	0.03	0.000
3.00	3.04	3.02	0.04	0.02	0.001
6.00	6.02	6.03	0.02	0.03	0.002
9.00	9.04	9.02	0.04	0.02	0.004
12.00	12.03	12.02	0.03	0.02	0.005
15.00	15.02	15.00	0.02	0.00	0.01
18.00	18.05	18.03	0.05	0.03	0.01
21.00	21.04	21.02	0.04	0.02	0.01
24.00	24.06	24.03	0.06	0.03	0.01
27.00	27.05	27.06	0.05	0.06	0.01
30.00	30.05	30.05	0.05	0.05	0.01

 Temperatura de calibración[°C]: **23 ± 2**

 Humedad relativa [%]: **44 ± 3**

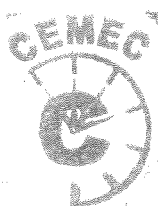
La incertidumbre de medición está calculada para un nivel de confianza aproximadamente del 95% (k=2), la metodología de cálculo y la expresión de la incertidumbre corresponde a lo establecido por el documento EA-4/02-Expression of the Uncertainty of Measurement in Calibration-1999.

Los valores consignados resultan como promedio de una serie de determinaciones para cada variable.

Según lo establecido por el SISTEMA METRICO LEGAL ARGENTINO(SIMELA)- Ley 19511, la unidad legal de presión es el pascal(Pa). La relación entre un valor de presión expresado en psi (psi) y el mismo valor expresado Pascal (Pa) está dada por: 1bar = 6894,87 Pa

Medio de transferencia: Aceite Morlina 10

El instrumento se identifica con la estampilla CEMEC N°.

**39698/19**


  
**CEMEC S.R.L.**  
 ANGEL E. LAMOR  
 SUBDIRECTOR


  
**CEMEC S.R.L.**  
 Ing. ORLANDO MARABINI  
 DIRECTOR

**LABORATORIO DE CALIBRACIONES**

LABORATORIO DE METROLOGIA

Este certificado de calibración documenta la trazabilidad a los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI). Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito de la Empresa que los emite. Certificado de calibración sin firma y sello no serán válidos. El usuario es responsable de la calibración del objeto a intervalos apropiados. Los resultados contenidos en el presente certificado se refieren exclusivamente al momento y condiciones en que se realizaron las mediciones. El Laboratorio de Calibración que lo emite no se responsabiliza de los perjuicios que puedan derivarse del uso inadecuado de los instrumentos calibrados.

Cliente	<i>COLBUN</i> <i>Nehuenco 1</i>		
Instrumento:	Modulo de presión diferencial		
Fabricante/Marca	Rosemount		
N° de serie	65068		
Modelo	2051CD		
Rango	500	mbar	
Subdivisión de escala	0.01	mbar	
<b>Identificación Interna del cliente:</b>	<b>65068</b>		
Determinaciones efectuadas	Calibración		
Según procedimiento	PLM-30		
Fecha de calibración	06/12/2019		
Fecha de emisión	10/12/2019		

**Instrumentos de referencia utilizados:**

Instrumento	Marca	N° serie	N° Certificado
Modulo de presión	Fluke	21270410	CEMEC S-9428/19

LABORATORIO DE CALIBRACIONES

**Resultado de la calibración**

Valor de Referencia [mbar]	Valor de Indicación [mbar]		Error de Indicación fe [mbar]		Incertidumbre ± [mbar]
	asc.	desc.	asc.	desc.	
0.00	-0.04	-0.06	-0.04	-0.06	0.00
50.00	50.70	50.72	0.70	0.72	0.02
100.00	100.61	100.68	0.61	0.68	0.04
150.00	150.47	150.50	0.47	0.50	0.06
200.00	200.26	200.56	0.26	0.56	0.08
250.00	250.47	250.35	0.47	0.35	0.10
300.00	300.38	300.45	0.38	0.45	0.12
350.00	350.62	350.33	0.62	0.33	0.14
400.00	400.44	400.60	0.44	0.60	0.16
450.00	450.51	450.50	0.51	0.50	0.18
500.00	500.21	500.21	0.21	0.21	0.20

Temperatura de calibración[°C]: 20 ± 2

Humedad relativa [%]: 52 ± 3

La incertidumbre de medición está calculada para un nivel de confianza aproximadamente del 95% (k=2), la metodología de cálculo y la expresión de la incertidumbre corresponde a lo establecido por el documento EA-4/02-Expression of the Uncertainty of Measurement in Calibration-1999.

Los valores consignados resultan como promedio de una serie de determinaciones para cada variable.

Según lo establecido por el SISTEMA METRICO LEGAL ARGENTINO(SIMELA)- Ley 19511, la unidad legal de presión es el pascal(Pa). La relación entre un valor de presión expresado en psi (psi) y el mismo valor expresado Pascal (Pa) está dada por: 1bar = 6894,87 Pa

**Notas:** Las lecturas de los valores de presión se realizaron con el calibrador Fluke 701, N° de serie 7175304.

Medio de transferencia: Aire comprimido.

El instrumento se identifica con la estampilla CEMEC N°

**38695/19**



*[Signature]*  
**CEMEC S.R.L.**  
 ANGEL E. LAMOR  
 SUBDIRECTOR

*[Signature]*  
**CEMEC S.R.L.**  
 Ing. ORLANDO MARABINI  
 DIRECTOR

**LABORATORIO DE CALIBRACIONES**



**LABORATORIO DE METROLOGIA**

Este certificado de calibración documenta la trazabilidad a los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI). Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito de la Empresa que los emite. Certificado de calibración sin firma y sello no serán válidos.

El usuario es responsable de la calibración del objeto a intervalos apropiados.

Los resultados contenidos en el presente certificado se refieren exclusivamente al momento y condiciones en que se realizaron las mediciones. El Laboratorio de Calibración que lo emite no se responsabiliza de los perjuicios que puedan derivarse del uso inadecuado de los instrumentos calibrados.

Cliente	<i>COLBUN</i> <i>Nehuenco 1</i>
Instrumento:	Modulo de presión diferencial
Fabricante/Marca	FLUKE
N° de serie	0286755
Modelo	2051CD
Rango	5 bar
Subdivisión de escala	0.001 bar
<b>Identificación Interna del cliente:</b>	<b>0286755</b>
Determinaciones efectuadas	Calibración
Según procedimiento	PLM-30
Fecha de calibración	07/12/2019
Fecha de emisión	10/12/2019

**Instrumentos de referencia utilizados:**

Instrumento	Marca	N° serie	N° Certificado
Modulo de presión	Fluke	21270410	CEMEC S-9428/19

**LABORATORIO DE CALIBRACIONES**

**Resultado de la calibración**

Valor de Referencia [bar]	Valor de Indicación [bar]		Error de Indicación fe [bar]		Incertidumbre ± [bar]
	asc.	desc.	asc.	desc.	
0.000	0.003	0.004	0.003	0.004	0.000
0.050	0.051	0.051	0.001	0.001	0.002
0.100	0.101	0.101	0.001	0.001	0.003
0.150	0.151	0.151	0.001	0.001	0.002
0.200	0.201	0.202	0.001	0.002	0.003
0.250	0.251	0.251	0.001	0.001	0.003
0.300	0.300	0.301	0.000	0.001	0.002
0.350	0.350	0.351	0.000	0.001	0.002
0.400	0.401	0.401	0.001	0.001	0.002
0.450	0.451	0.451	0.001	0.001	0.002
0.500	0.501	0.501	0.001	0.001	0.002

Temperatura de calibración[°C]: 20 ± 2

Humedad relativa [%]: 52 ± 3

La incertidumbre de medición está calculada para un nivel de confianza aproximadamente del 95% (k=2), la metodología de cálculo y la expresión de la incertidumbre corresponde a lo establecido por el documento EA-4/02-Expression of the Uncertainty of Measurement in Calibration-1999.

Los valores consignados resultan como promedio de una serie de determinaciones para cada variable.

Según lo establecido por el SISTEMA METRICO LEGAL ARGENTINO(SIMELA)- Ley 19511, la unidad legal de presión es el pascal(Pa). La relación entre un valor de presión expresado en psi (psi) y el mismo valor expresado Pascal (Pa) está dada por: 1bar = 6894,87 Pa

**Notas:** Las lecturas de los valores de presión se realizaron con el calibrador Fluke 701, N° de serie 7175304.

Medio de transferencia: Aire comprimido.

El instrumento se identifica con la estampilla CEMEC N°

**38696/19**



CEMEC S.R.L.  
 Ing. ORLANDO MARABINI  
 DIRECTOR

**LABORATORIO DE CALIBRACIONES**

**LABORATORIO DE METROLOGIA**

Las mediciones involucradas en el presente informe están vinculadas con los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI).

Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito del Laboratorio de Calibración que los emite. Certificados de calibración sin firma y sello no serán válidos.

El usuario es responsable de la recalibración del objeto a intervalos apropiados

Cliente: **COLBUN S.A.**  
**NEHUENCO 1**

Instrumento: **Placa de Orificio**

Fabricante: -----

Número de serie **15385**

TAG N° -----

Lote N° **290997**

Determinaciones Efectuadas **Control Dimensional**

Según Procedimiento **Descripto**

Fecha de calibración: **06/12/2019**

Fecha de emisión : **11/12/2019**

Número de páginas del certificado : **3 (tres)**

Los resultados consignados resultan de no menos de 5 determinaciones realizadas en cada una de la variables controladas

**Resultado de la calibración**

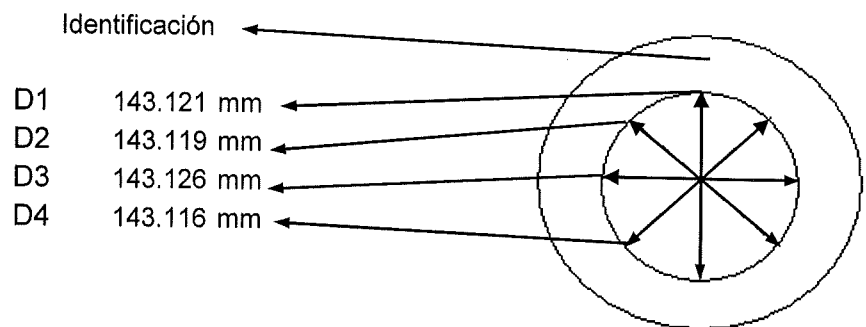
**Diámetro de calibración  $d_m$**

Diámetro de calibración según grabado [mm] **143.143 5.636 pulg**

Diámetro de calibración medido promedio [mm] **143.120 5.635 pulg**

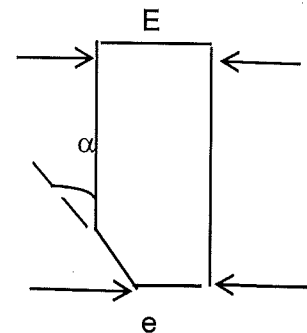
**LABORATORIO DE CALIBRACIONES**

Diámetro medido máximo [mm]	143.135	5.6352 pulg	
Diámetro medido mínimo [mm]	143.105	5.6341 pulg	
Deformación del diámetro (ovalización) [mm]	0.030	0.0012 pulg	
Incertidumbre de calibración ± [mm]	0.005	0.0002 pulg	k=2



**Cota "E" (ancho de la placa orificio)**

Cota promedio medida [mm]	6.891	
Incertidumbre de medición ± [mm]	0.05	k=2



**Cota "e" (ancho de la placa orificio fuera del chaflán)**

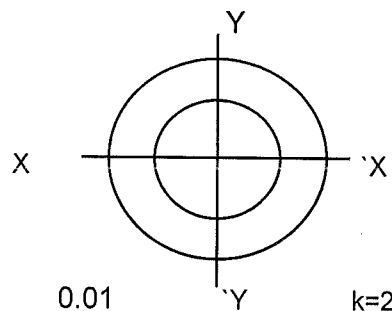
Cota promedio medida [mm]	3.27	
Incertidumbre de medición ± [mm]	0.01	k=2

**Angulo del chaflán**

Angulo promedio medido $\alpha$	49° 20'	
Incertidumbre de medición ±	15'	k=2

**Excentricidad [mm]**

Y / Y"	0.10 mm
X / X"	0.02 mm

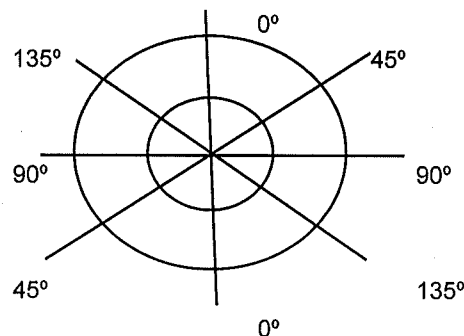


Incertidumbre de medición ± [mm]	0.01	k=2
----------------------------------	------	-----

**Desvío de planitud**

Ubicación	[mm]
0°	-0.004
45°	-0.013
90°	-0.003
135°	0.015

Incertidumbre de medición ± [mm] 0.005



Se trazaron diámetro cada 45° en el sentido de la s agujas del reloj , tomando como cero el diámetro que pasa por donde se encuentra grabado el valor del diámetro

**Diámetro interior de la cañería [mm]** 254.26

Incertidumbre de medición ± [mm] 0.5

Temperatura de calibración[°C]: 20 ± 2


Humedad relativa [%]: 54 ± 3

La incertidumbre de medición está calculada para un nivel de confianza aproximadamente del 95% (k=2), la metodología de cálculo y la expresión de la incertidumbre corresponde a lo establecido por el documento EA-4/02-Expression of the Uncertainty of Measurement in Calibration-1999.

**Patrones utilizados:**

Instrumento	Marca	N° de serie	Certificado de calibración
Micrómetro de exterior	TESA	RRB684	CEMEC (SAC) N° S-10135/19
Calibre pie a coliza	Asimeto	GA-110649	CEMEC (SAC) N° S-9855/19
Goniómetro	Helios	90671016	CEMEC N° 38596/19
Micrómetro de interior	Mitutoyo	A-0616/1	CEMEC N° 38598/19
Comparador digital	Mitutoyo	FXG485	CEMEC SAC N° S-10108/19

Este instrumento fue identificado con la estampilla CEMEC N° 39701/19

  
CEMEC S.R.L.  
ANGEL E. LAMOR  
SUBDIRECTOR

  
CEMEC S.R.L.  
Ing. ORLANDO MARABINI  
DIRECTOR

**LABORATORIO DE CALIBRACIONES**

**LABORATORIO DE METROLOGIA**

Las mediciones involucradas en el presente informe están vinculadas con los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI).

Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito del Laboratorio de Calibración que los emite. Certificados de calibración sin firma y sello no serán válidos.

El usuario es responsable de la recalibración del objeto a intervalos apropiados

Cliente:

*COLBUN S.A.*  
*NEHUENCO 1*

Instrumento:

Placa de Orificio

Fabricante:

-----

Número de serie

15386

TAG N°

-----

Lote N°

290997

Determinaciones Efectuadas

Control Dimensional

Según Procedimiento

Descripto

Fecha de calibración:

06/12/2019

Fecha de emisión :

06/12/2019

Número de páginas del certificado :

3 (tres)

Los resultados consignados resultan de no menos de 5 determinaciones realizadas en cada una de las variables controladas

**Resultado de la calibración**

**Diámetro de calibración  $d_m$**

Diámetro de calibración según grabado [mm]

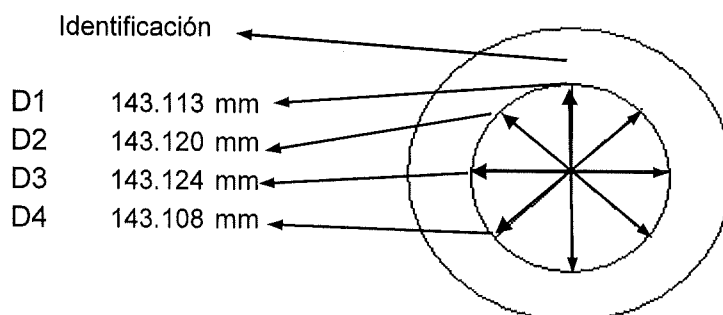
143.129 5.635 pulg

Diámetro de calibración medido promedio [mm]

143.116 5.634 pulg

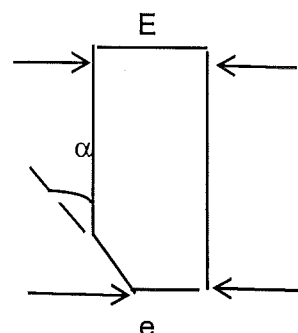
**LABORATORIO DE CALIBRACIONES**

Diámetro medido máximo [mm]	143.125	5.6348 pulg	
Diámetro medido mínimo [mm]	143.105	5.6341 pulg	
Deformación del diámetro (ovalización) [mm]	0.020	0.0008 pulg	
Incertidumbre de calibración ± [mm]	0.004	0.0002 pulg	k=2



**Cota "E" (ancho de la placa orificio)**

Cota promedio medida [mm]	7.063	
Incertidumbre de medición ± [mm]	0.04	k=2



**Cota "e" (ancho de la placa orificio fuera del chaflán)**

Cota promedio medida [mm]	3.27
Incertidumbre de medición ± [mm]	0.01

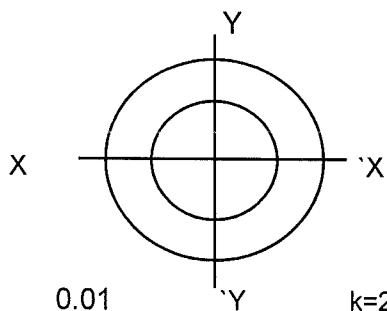
k=2

**Angulo del chaflán**

Angulo promedio medido $\alpha$	49° 58'	
Incertidumbre de medición ±	15'	k=2

**Excentricidad [mm]**

Y / Y"	0.13 mm
X / X"	0.10 mm



Incertidumbre de medición ± [mm]

0.01

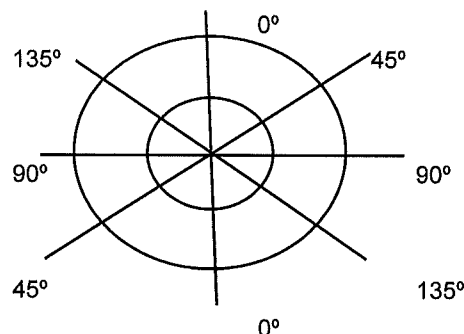
k=2

**LABORATORIO DE CALIBRACIONES**

**Desvío de planitud**

Ubicación	[mm]
0°	0.009
45°	-0.018
90°	-0.013
135°	-0.008

Incertidumbre de medición ± [mm]      0.005



Se trazaron diámetro cada 45° en el sentido de la s agujas del reloj , tomando como cero el diámetro que pasa por donde se encuentra grabado el valor del diámetro

**Diámetro interior de la cañería [mm]**      254.29

Incertidumbre de medición ± [mm]      0.5

Temperatura de calibración[°C]:      21 ± 2

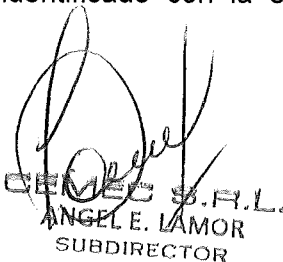
Humedad relativa [%]:      54 ± 3

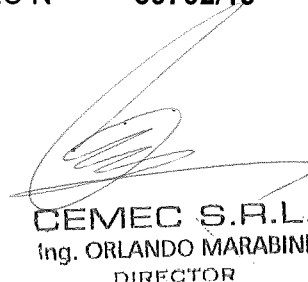
La incertidumbre de medición está calculada para un nivel de confianza aproximadamente del 95% (k=2), la metodología de cálculo y la expresión de la incertidumbre corresponde a lo establecido por el documento EA-4/02-Expression of the Uncertainty of Measurement in Calibration-1999.

**Patrones utilizados:**

Instrumento	Marca	N° de serie	Certificado de calibración
Micrómetro de exterior	TESA	RRB684	CEMEC (SAC) N° S-10135/19
Calibre pie a coliza	Asimeto	GA-110649	CEMEC (SAC) N° S-9855/19
Goniómetro	Helios	90671016	CEMEC N° 38596/19
Micrómetro de interior	Mitutoyo	A-0616/1	CEMEC N° 38598/19
Comparador digital	Mitutoyo	FXG485	CEMEC SAC N° S-10108/19

 Este instrumento fue identificado con la estampilla CEMEC N° **39702/19**


 CEMEC S.R.L.  
 ANGEL E. LAMOR  
 SUBDIRECTOR


 CEMEC S.R.L.  
 Ing. ORLANDO MARABINI  
 DIRECTOR

**LABORATORIO DE CALIBRACIONES**



LABORATORIO DE METROLOGIA

Este certificado de calibración documenta la trazabilidad a los patrones de medida mantenidos en el INTI según la legislación vigente, los cuales representan a las unidades físicas de medida en concordancia con el Sistema Internacional de Unidades (SI). Este certificado no podrá ser reproducido parcialmente excepto cuando se haya obtenido previamente permiso por escrito de la Empresa que los emite. Certificado de calibración sin firma y sello no serán válidos. El usuario es responsable de la calibración del objeto a intervalos apropiados. Los resultados contenidos en el presente certificado se refieren exclusivamente al momento y condiciones en que se realizaron las mediciones. El Laboratorio de Calibración que lo emite no se responsabiliza de los perjuicios que puedan derivarse del uso inadecuado de los instrumentos calibrados.

Cliente	<i>COLBUN</i>	
	<i>NEHUENCO 1</i>	
Instrumento:	Modulo de presión	
Fabricante/Marca	Rosemount	
N° de serie	65067	
Modelo	2051CG	
Rango	30	bar
Subdivisión de escala	0.010	bar
<b>Identificación Interna del cliente:</b>	<b>65067</b>	
Determinaciones efectuadas	Calibración	
Según procedimiento	PLM-30	
Fecha de calibración	07/12/2019	
Fecha de emisión	10/12/2019	

**Instrumentos de referencia utilizados:**

Instrumento	Marca	N° serie	N° Certificado
Manómetro digital	Zurich	11980	CEMEC S-9700/19

LABORATORIO DE CALIBRACIONES

Resultado de la calibración

Valor de Referencia [bar]	Valor de Indicación [bar]		Error de Indicación fe [bar]		Incertidumbre ± [bar]
	asc.	desc.	asc.	desc.	
0.000	0.02	0.02	0.02	0.02	0.000
3.00	3.02	3.02	0.02	0.02	0.001
6.00	6.02	6.03	0.02	0.03	0.002
9.00	9.04	9.02	0.04	0.02	0.004
12.00	12.05	12.02	0.05	0.02	0.005
15.00	15.03	15.00	0.03	0.00	0.01
18.00	18.05	18.03	0.05	0.03	0.01
21.00	21.05	21.02	0.05	0.02	0.01
24.00	24.06	24.03	0.06	0.03	0.01
27.00	27.05	27.06	0.05	0.06	0.01
30.00	30.06	30.06	0.06	0.06	0.01

Temperatura de calibración[°C]: 23 ± 2

Humedad relativa [%]: 44 ± 3

La incertidumbre de medición está calculada para un nivel de confianza aproximadamente del 95% (k=2), la metodología de cálculo y la expresión de la incertidumbre corresponde a lo establecido por el documento EA-4/02-Expression of the Uncertainty of Measurement in Calibration-1999.

Los valores consignados resultan como promedio de una serie de determinaciones para cada variable.

Según lo establecido por el SISTEMA METRICO LEGAL ARGENTINO(SIMELA)- Ley 19511, la unidad legal de presión es el pascal(Pa). La relación entre un valor de presión expresado en psi (psi) y el mismo valor expresado Pascal (Pa) está dada por: 1bar = 6894,87 Pa

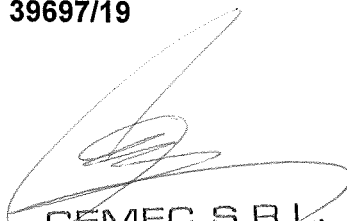
Medio de transferencia: Aceite Morlina 10

El instrumento se identifica con la estampilla CEMEC N°

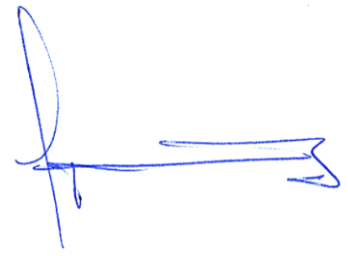
39697/19

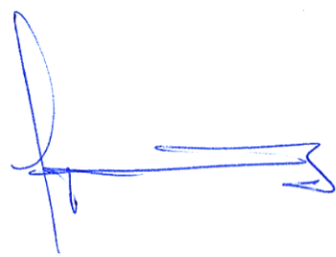


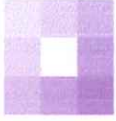
  
CEMEC S.R.L.  
ANGEL E. LAMOR  
SUBDIRECTOR

  
CEMEC S.R.L.  
Ing. ORLANDO MARABINI  
DIRECTOR

LABORATORIO DE CALIBRACIONES

ANTECEDENTES DEL CLIENTE				RESULTADOS DE LA COMPONENTE							
Solicitud	:	Correo		<b>ACTIVA</b>							
Fecha Calibración	:	11.06.2018		<b>Componente Activa Directa</b>		<b>Componente Activa Reversa</b>					
Medidor	:	ION 8600		N	Fase	Cte.%	Factor	Error (%)	Límite Norma (%)	Error(%)	Límite Norma (%)
Cliente	:	Tecnored		1	123	100	1	-0,052	± 0,2	-0,061	± 0,2
Instalación	:	Remarcador		2	123	100	0,5	-0,072	± 0,3	-0,090	± 0,3
Subestación	:	Remarcador		3	123	10	1	-0,073	± 0,2	-0,071	± 0,2
				4	123	10	0,5	-0,107	± 0,3	-0,101	± 0,3
				5	1	100	1	-0,027	± 0,3	-0,090	± 0,3
				6	2	100	1	-0,080	± 0,3	-0,083	± 0,3
				7	3	100	1	-0,065	± 0,3	-0,069	± 0,3
				8	1	100	0,5	-0,005	± 0,4	-0,082	± 0,4
				9	2	100	0,5	-0,128	± 0,4	-0,110	± 0,4
				10	3	100	0,5	-0,112	± 0,4	-0,100	± 0,4
ANTECEDENTES DEL MEDIDOR				RESULTADOS DE LA COMPONENTE							
Marca	:	Schneider Electric		<b>REACTIVA</b>							
Modelo	:	P8600A4C0H5E0B0A		<b>Componente Reactiva Directa</b>		<b>Componente Reactiva Reversa</b>					
N° de Serie	:	PT-0807A491-01		N	Fase	Cte.%	Factor	Error (%)	Límite Norma (%)	Error(%)	Límite Norma (%)
Estado	:	Nuevo		1	123	100	1	-0,085	± 2,0	-0,086	± 2,0
Año Fabricación	:	2008		2	123	100	0,5	-0,104	± 2,0	-0,108	± 2,0
Clase Exactitud (%)	:	0,2		3	123	10	1	-0,087	± 2,0	-0,092	± 2,0
Constante Med.	:	1		4	123	10	0,5	-0,136	± 2,0	-0,165	± 2,0
				5	1	100	1	-0,075	± 3,0	-0,078	± 3,0
				6	2	100	1	-0,097	± 3,0	-0,103	± 3,0
				7	3	100	1	-0,096	± 3,0	-0,098	± 3,0
				8	1	100	0,5	-0,045	± 3,0	-0,046	± 3,0
				9	2	100	0,5	-0,144	± 3,0	-0,147	± 3,0
				10	3	100	0,5	-0,111	± 3,0	-0,126	± 3,0
PATRON DE CALIBRACIÓN				OBSERVACIONES Y CONCLUSIONES							
Marca	:	MTE		<p>Los errores encontrados cumplen con la Normativa Vigente IEC 62053-22 (ITEM 8.1). Tecnored S.A., declina toda responsabilidad por el uso indebido que se hicieran de este certificado. Este documento no puede ser reproducido en forma parcial.</p>							
Modelo	:	PTS 3.3									
N° Serie	:	29562		<div style="text-align: right; margin-bottom: 10px;">   <hr style="width: 150px; margin-left: auto;"/> <b>Jaime Eduardo García Collao</b>  <b>Jefe Área Laboratorio y Medidas</b> </div>							
Clase de Exactitud	:	0,05									
Trazabilidad	:	Laboratorio Tecnored		<div style="text-align: center; margin-top: 20px;"> <b>TECNORED S.A.</b>            Cerro El Plomo 3819 Barrio Industrial Curauma, Valparaíso            Fono: 56-32-2452580 fax: 56-32-2452571            www.tecnored.cl ventas@tecnored.cl         </div>							
CONDICIONES DE MEDIDA											
Tipo de Medida	:	W,ESTRELLA/ACTIVO									
Tensión Aplicada	:	63,5 (V)									
Corriente Nominal	:	5 (A)									
N° de Elementos	:	3									
Método Calibración	:	Comparación Directa									
Frecuencia (Hz)	:	50 (HZ)									
Temperatura (C°)	:	21,9									
Humedad (%)	:	42,7									
Calibrador	:	M.Montecino									

ANTECEDENTES DEL CLIENTE				RESULTADOS DE LA COMPONENTE ACTIVA							
Nº / Fecha de Solicitud	:	Correo		<b>Componente Activa Directa</b>	<b>Componente Activa Reversa</b>	Error (%)	Límite Norma (%)	Error(%)	Límite Norma (%)		
Fecha Calibración	:	22-04-2019									
Medidor	:	ION 8600		1	123	100	1	-0,093	± 0,2	-0,080	± 0,2
Cliente	:	Tecnored S.A.		2	123	100	0,5	-0,101	± 0,3	-0,095	± 0,3
Instalación	:	Remarcador		3	123	10	1	-0,101	± 0,2	-0,093	± 0,2
Subestación	:	Remarcador		4	123	10	0,5	-0,133	± 0,3	-0,124	± 0,3
				5	1	100	1	-0,079	± 0,3	-0,078	± 0,3
				6	2	100	1	-0,085	± 0,3	-0,085	± 0,3
				7	3	100	1	-0,097	± 0,3	-0,035	± 0,3
				8	1	100	0,5	-0,063	± 0,4	-0,082	± 0,4
				9	2	100	0,5	-0,068	± 0,4	0,029	± 0,4
				10	3	100	0,5	-0,105	± 0,4	0,019	± 0,4
ANTECEDENTES DEL MEDIDOR				RESULTADOS DE LA COMPONENTE REACTIVA							
Marca	:	Schneider Electric		<b>Componente Reactiva Directa</b>	<b>Componente Reactiva Reversa</b>	Error (%)	Límite Norma (%)	Error(%)	Límite Norma (%)		
Modelo	:	P8600A4C0H5E0B0B									
Nº de Serie	:	PT-1106B209-01		1	123	100	1	-0,073	± 2,0	-0,063	± 2,0
Estado	:	Nuevo		2	123	100	0,5	-0,082	± 2,0	-0,081	± 2,0
Año Fabricación	:	2011		3	123	10	1	-0,069	± 2,0	-0,059	± 2,0
Clase Exactitud (%)	:	0,2		4	123	10	0,5	-0,090	± 2,0	-0,121	± 2,0
Constante Med.	:	1		5	1	100	1	-0,065	± 3,0	-0,058	± 3,0
				6	2	100	1	-0,081	± 3,0	-0,075	± 3,0
				7	3	100	1	-0,075	± 3,0	-0,053	± 3,0
				8	1	100	0,5	-0,056	± 3,0	-0,047	± 3,0
				9	2	100	0,5	0,048	± 3,0	0,040	± 3,0
				10	3	100	0,5	0,172	± 3,0	-0,079	± 3,0
PATRON DE CALIBRACIÓN				OBSERVACIONES Y CONCLUSIONES							
Marca	:	Applied Precision		<p>Los errores encontrados cumplen con la Normativa Vigente IEC 62053-22 (ITEM 8.1). Tecnored S.A., declina toda responsabilidad por el uso indebido que se hicieran de este certificado. Este documento no puede ser reproducido en forma parcial.</p>							
Modelo	:	PTE 2300									
Nº Serie	:	2617110222									
Clase de Exactitud	:	0,05									
Trazabilidad	:	Laboratorio Tecnored		<div style="text-align: right; margin-bottom: 10px;">   <hr style="width: 20%; margin: 0 auto;"/> <b>Jaime Eduardo García Collao</b>  <b>Jefe Área Laboratorio y Medidas</b> </div>							
CONDICIONES DE MEDIDA				<div style="text-align: center; border: 1px solid black; padding: 10px; margin-top: 20px;"> <b>TECNORED S.A.</b>            Cerro El Plomo 3819 Barrio Industrial Curauma, Valparaíso            Fono: 56-32-2452580 fax: 56-32-2452571            www.tecnored.cl ventas@tecnored.cl         </div>							
Lugar de Calibración	:	Laboratorio Tecnored									
Tipo de Medida	:	W,ESTRELLA/ACTIVO									
Tensión Aplicada	:	63,5	(V)								
Corriente Nominal	:	5	(A)								
Nº de Elementos	:	3									
Método Calibración	:	Comparación Directa									
Frecuencia (Hz)	:	50	(HZ)								
Temperatura (C°)	:	22,1									
Humedad (%)	:	42,6									
Calibrador	:	M.Montecino									



**CAM**

# ACTA DE INTERVENCIÓN DE SUBESTACIONES

**CODIGO FP 20.3.2**

S/E	SAN LUIS
FECHA INTERVENCIÓN	13-08-2017
PTO MED. ASOCIADO A	TG1
NOMBRE MANDANTE	COLBÚN

HORA LLEGADA	12:00
HORA INICIO	14:00
HORA TERMINO	15:15
HORA MEDIDOR	15:15
FECHA MEDIDOR	13-08-2017

ACTIVIDAD	
VERIFICACIÓN	X
REPROGRAMACIÓN	
INST. MEDIDOR	
ATENCIÓN FALLA	
CAMBIO BATERÍA	
CAMBIO MEDIDOR	
EXTRACCIÓN DATA	
LECTURA	
CALIBRACIÓN	
INST. TELEMEDIDA	
AJUSTE HORA	
LEVANTAMIENTO	
OTROS	

MEDIDOR SS/EE	ENCONTRADO	DEJADO
MARCA	SCHNEIDER	IDENTICO
MODELO	ION 7650	IDENTICO
TIPO	PANEL	IDENTICO
NUMERO	PJ-0911A504-02	IDENTICO
N° ELEMENTOS	3E - 4H	IDENTICO
CONST. LECT.	1	IDENTICO
CLASE	0,2	IDENTICO

MEDIDOR REMARCADOR	
MARCA	SCHNEIDER
MODELO	ION 8600
TIPO	S.BOARD
NUMERO	PT-0807A570-01
N° ELEMENTS	3E - 4H
CONST. LECT.	1
CLASE	0,2

IDENTIFICADOR DISPLAY	LECTURAS MEDIDOR S/E		
	ENCONTRADAS	DEJADAS	UNID.
ENERGÍA ACTIVA DIRECTA	6751640,500	IDENTICA	K
ENERGÍA REACTIVA DIRECTA	6552337,500	IDENTICA	K
ENERGÍA ACTIVA REVERSA	2124605,250	IDENTICA	K
ENERGÍA REACTIVA REVERSA	1750588,250	IDENTICA	K
DEMANDA MAX. DIRECTA			
DEMANDA MAX. REVERSA			
TIEMPO USO BATERÍA			
CUSTOMER			

ENCONTRADAS	DEJADAS	UNID.
0	368,797	K
0	272,792	K
0	0,000	K
0	0,000	K

STANDARD	
MARCA	MTE
MODELO	PTS 3.3C
NUMERO	35111
CLASE	0,05

SELLOS		
ENCONTRADO	DEJADOS	UBICACIÓN

PERMISO DESPACHO		
N°	HORA	NOMBRE

FECHA BATERÍA	

## RESPONSABLES Y VEEDORES DE VERIFICACIÓN

EMPRESA	COLBÚN
NOMBRE	CRISTIAN AGUILERA
FIRMA	

EMPRESA	CAM CHILE
NOMBRE	FELIPE SANDOVAL
FIRMA	

EMPRESA	
NOMBRE	
FIRMA	

OBSERVACIONES	IP: 131.178.50.231
RTP: 230000/115	RPC: 1000/5

**ACTA N° 4 INTERVENCIÓN DE EQUIPO DE MEDIDA**



N° AI-EM	
EMPRESA COORDINADA	COLBÚN
SUBESTACIÓN/CENTRAL	SAN LUIS
PAÑO	J3
INSTALACIÓN	TG1

**MOTIVO DE INTERVENCIÓN**

VERIFICACIÓN	<input checked="" type="checkbox"/>	FALLA	<input type="checkbox"/>	REEMPLAZO	<input type="checkbox"/>	AUDITORÍA	<input type="checkbox"/>
--------------	-------------------------------------	-------	--------------------------	-----------	--------------------------	-----------	--------------------------

OTRO

	GPS		MEDIDOR	
	INICIO	TÉRMINO	INICIO	TÉRMINO
FECHA	13-08-2018	13-08-2018	13-08-2018	13-08-2018
HORA	14:00	15:15	14:00	15:15
DESFASE NO MAYOR A 1 MINUTO (SI/NO) <input type="checkbox"/> NO				

RELACIÓN	ENCONTRADA		DEJADA	
	1º	2º	1º	2º
TTMM				
TTPP	230000	115		
TTCC	1000	5		

	MEDIDOR EN SERVICIO	MEDIDOR A INSTALAR	MEDIDOR A REMARCADOR
MARCA	SCHENIDER		SCHNEIDER
MODELO	ION		ION S.BOARD
N° MODELO	7650		8600
N° SERIE	PJ-0911A504-02		PT-0807A570-01
N° ELEMENTOS	3E - 4H		3E - 4H
CLASE	0,2		0,2

REGISTRO DE DISPLAY	LECTURAS MEDIDOR EN SERVICIO			LECTURAS MEDIDOR A INSTALAR			LECTURAS MEDIDOR A REMARCADOR		
	UN	ENCONT	DEJADA	UN	ENCONT	DEJADA	UN	ENCONT	DEJADA
ENERGÍA ACTIVA DIRECTA	K	6751640,500	IDENTICA				K	0	368,797
ENERGÍA REACTIVA DIRECTA	K	6552337,500	IDENTICA				K	0	272,792
ENERGÍA ACTIVA REVERSA	K	2124605,250	IDENTICA				K	0	0,000
ENERGÍA REACTIVA REVERSA	K	1750588,250	IDENTICA				K	0	0,000
DEMANDA MAX. DIRECTA									
DEMANDA MAX. REVERSA									

SOLICITUD DE INTERVENCIÓN COORDINADOR	
N° DE SOLICITUD	
FECHA INICIO	13-08-2018
HORA INICIO	14:00
FECHA TÉRMINO	13-08-2018
HORA TÉRMINO	15:15

SELLOS		
ENCONTRADO	DEJADO	UBICACIÓN

\* Para los casos de puesta en servicio, en donde no se realice una verificación de medidor en terreno, no será necesaria la entrega de ésta acta.

**RESPONSABLES**

PERSONA RESPONSABLE EMPRESA AUDITORA	
NOMBRE	FELIPE SANDOVAL
EMPRESA	CAM CHILE
FIRMA	

PERSONA RESPONSABLE COORDINADO	
NOMBRE	CRISTIAN AGUILERA
EMPRESA	COLBÚN
FIRMA	

**OBSERVACIONES**

IP: 131.178.50.231



CB201808000003

**CERTIFICADO DE EXACTITUD DEL MEDIDOR**

FECHA SERVICIO 13/08/2018

**IDENTIFICACIÓN DEL MEDIDOR****IDENTIFICACIÓN DEL CLIENTE**Nombre COLBÚN  
Sub Estación SAN LUIS

Marca SCHNEIDER ELECTRIC

Tipo ION 7650

Número de Serie PJ-0911A504-02

**PATRÓN DE REFERENCIA**

Consola MTE PTS 3.3C N° Serie 35111

Ubicación TG1

Clase de Exactitud +/- 0,05

Clase de Exactitud 0,2

Estado ACTIVO

**CONDICIONES DE LA MEDIDA**

Tipo de Medida ESTRELLA

Constante Medidor 1,8 [Wh/lmp]

Tensión Aplicada 3 x 66.4 (115)[V] 50 [Hz]

Temperatura AMBIENTE

Corriente Nominal 3 X 5 (10) [A]

N° de Elementos 3E - 4H

**RESULTADOS DE LA VERIFICACIÓN**

Conexión DIRECTA

**Componente Activa**

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,11	+/- 0,2
2	123	100	0,5	-0,082	+/- 0,3
3	123	10	1,0	-0,105	+/- 0,2
4	1	100	1,0	-0,106	+/- 0,3
5	2	100	1,0	-0,1	+/- 0,3
6	3	100	1,0	-0,079	+/- 0,3
7	1	100	0,5	-0,104	+/- 0,4
8	2	100	0,5	-0,108	+/- 0,4
9	3	100	0,5	-0,056	+/- 0,4

**Componente Reactiva**

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,101	+/- 2,0
2	123	100	0,5	-0,116	+/- 2,0
3	123	10	1,0	-0,113	+/- 2,0
4	1	100	1,0	-0,094	+/- 3,0
5	2	100	1,0	-0,134	+/- 3,0
6	3	100	1,0	-0,092	+/- 3,0
7	1	100	0,5	-0,118	+/- 3,0
8	2	100	0,5	-0,153	+/- 3,0
9	3	100	0,5	-0,079	+/- 3,0

Cumple Clausula 8.1 Norma IEC 62053-22 Clase 0,2

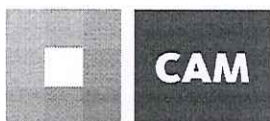
Cumple Clausula 8.1 Norma IEC 62053-23 Clase 2

Energía en Display Tipo de Display ELECTRONICO

**CONCLUSIONES**

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-22 referente a los límites de error para su clase de exactitud, en la componente Activa.  
 El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-23 referente a los límites de error para su clase de exactitud, en la componente Reactiva.

Los resultados consignados se refieren exclusivamente a la muestra ensayada y CAM Chile S.A. declina toda responsabilidad por el uso indebido que se hiciera del presente Certificado.



CB201808000003

FECHA SERVICIO 13/08/2018

## IDENTIFICACIÓN DEL MEDIDOR

## IDENTIFICACIÓN DEL CLIENTE

Nombre COLBÚN  
Sub Estación SAN LUISMarca SCHNEIDER ELECTRIC  
Tipo ION 7650  
Número de Serie PJ-0911A504-02  
Ubicación TG1  
Clase de Exactitud 0,2  
Estado ACTIVO

## PATRÓN DE REFERENCIA

Consola MTE PTS 3.3C N° Serie 35111  
Clase de Exactitud +/- 0,05

## CONDICIONES DE LA MEDIDA

Tipo de Medida ESTRELLA  
Tensión Aplicada 3 x 66.4 (115)[V] 50 [Hz]  
Corriente Nominal 3 X 5 (10) [A]Constante Medidor 1,8 [Wh/Imp]  
Temperatura AMBIENTE  
N° de Elementos 3E - 4H  
Conexión REVERSA

## RESULTADOS DE LA VERIFICACIÓN

## Componente Activa

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,009	+/- 0,2
2	123	100	0,5	-0,088	+/- 0,3
3	123	10	1,0	-0,108	+/- 0,2
4	1	100	1,0	-0,109	+/- 0,3
5	2	100	1,0	-0,106	+/- 0,3
6	3	100	1,0	-0,084	+/- 0,3
7	1	100	0,5	-0,101	+/- 0,4
8	2	100	0,5	-0,114	+/- 0,4
9	3	100	0,5	-0,085	+/- 0,4

## Componente Reactiva

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,104	+/- 2,0
2	123	100	0,5	-0,109	+/- 2,0
3	123	10	1,0	-0,112	+/- 2,0
4	1	100	1,0	-0,097	+/- 3,0
5	2	100	1,0	-0,133	+/- 3,0
6	3	100	1,0	-0,093	+/- 3,0
7	1	100	0,5	-0,116	+/- 3,0
8	2	100	0,5	-0,152	+/- 3,0
9	3	100	0,5	-0,067	+/- 3,0

Cumple Clausula 8.1 Norma IEC 62053-22 Clase 0,2

Cumple Clausula 8.1 Norma IEC 62053-23 Clase 2

## CONCLUSIONES

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-22 referente a los límites de error para su clase de exactitud, en la componente Activa.

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-23 referente a los límites de error para su clase de exactitud, en la componente Reactiva.

Certificado emitido por CAM Chile S.A.  
Equipos Certificados y Verificados con Patrones bajo laboratorio

Felipe Alejandro Sandoval Ramirez  
Especialista en Medidas  
Unidad SS/EE y Monitoreos

Página 2 de 2

Los resultados consignados se refieren exclusivamente a la muestra ensayada y CAM Chile S.A. declina toda responsabilidad por el uso indebido que se hiciere del presente Certificado.



**CAM****ACTA DE INTERVENCIÓN DE SUBESTACIONES****CODIGO FP 20.3.2**

S/E	SAN LUIS
FECHA INTERVENCIÓN	13-08-2017
PTO MED. ASOCIADO A	TV1
NOMBRE MANDANTE	COLBÚN

HORA LLEGADA	12:00
HORA INICIO	15:30
HORA TERMINO	16:45
HORA MEDIDOR	16:45
FECHA MEDIDOR	13-08-2017

ACTIVIDAD	
VERIFICACIÓN	X
REPROGRAMACIÓN	
INST. MEDIDOR	
ATENCIÓN FALLA	
CAMBIO BATERÍA	
CAMBIO MEDIDOR	
EXTRACCIÓN DATA	
LECTURA	
CALIBRACIÓN	
INST. TELEMEDIDA	
AJUSTE HORA	
LEVANTAMIENTO	
OTROS	

MEDIDOR SS/EE	ENCONTRADO	DEJADO
MARCA	SCHNEIDER	IDENTICO
MODELO	ION 7650	IDENTICO
TIPO	PANEL	IDENTICO
NUMERO	PJ-0911A481-02	IDENTICO
N° ELEMENTOS	3E - 4H	IDENTICO
CONST. LECT.	1	IDENTICO
CLASE	0,2	IDENTICO

MEDIDOR REMARCADOR	
MARCA	SCHNEIDER
MODELO	ION 8600
TIPO	S.BOARD
NUMERO	PT-0807A570-01
N° ELEMENTS	3E - 4H
CONST. LECT.	1
CLASE	0,2

IDENTIFICADOR DISPLAY	LECTURAS MEDIDOR S/E		
	ENCONTRADAS	DEJADAS	UNID.
ENERGÍA ACTIVA DIRECTA	16263259,000	IDENTICA	K
ENERGÍA REACTIVA DIRECTA	207705232,000	IDENTICA	K
ENERGÍA ACTIVA REVERSA	443045472,000	IDENTICA	K
ENERGÍA REACTIVA REVERSA	180409616,000	IDENTICA	K
DEMANDA MAX. DIRECTA			
DEMANDA MAX. REVERSA			
TIEMPO USO BATERÍA			
CUSTOMER			

ENCONTRADAS	DEJADAS	UNID.
0	826,346	K
0	0,000	K
0	470,443	K
0	0,000	K

STANDARD	
MARCA	MTE
MODELO	PTS 3.3C
NUMERO	35111
CLASE	0,05

SELLOS		
ENCONTRADO	DEJADOS	UBICACIÓN

PERMISO DESPACHO		
N°	HORA	NOMBRE

FECHA BATERÍA	

**RESPONSABLES Y VEEDORES DE VERIFICACIÓN**

EMPRESA	COLBÚN
NOMBRE	CRISTIAN AGUILERA
FIRMA	

EMPRESA	CAM CHILE
NOMBRE	FELIPE SANDOVAL
FIRMA	

EMPRESA	
NOMBRE	
FIRMA	

OBSERVACIONES	IP: 131.178.50.232
RTP: 230000/115 RPC: 1000/5	

## ACTA N° 4 INTERVENCIÓN DE EQUIPO DE MEDIDA



N° AI-EM	
EMPRESA COORDINADA	COLBÚN
SUBESTACIÓN/CENTRAL	SAN LUIS
PAÑO	J4
INSTALACIÓN	TV1

### MOTIVO DE INTERVENCIÓN

VERIFICACIÓN	<input checked="" type="checkbox"/>	FALLA	<input type="checkbox"/>	REEMPLAZO	<input type="checkbox"/>	AUDITORÍA	<input type="checkbox"/>
--------------	-------------------------------------	-------	--------------------------	-----------	--------------------------	-----------	--------------------------

OTRO

	GPS		MEDIDOR		RELACIÓN	ENCONTRADA		DEJADA	
	INICIO	TÉRMINO	INICIO	TÉRMINO		1º	2º	1º	2º
FECHA	13-08-2018	13-08-2018	13-08-2018	13-08-2018	TTMM	230000	115		
HORA	15:30	16:45	15:30	16:45	TTCC	1000	5		
DESFASE NO MAYOR A 1 MINUTO (SI/NO)									

	MEDIDOR EN SERVICIO	MEDIDOR A INSTALAR	MEDIDOR A REMARCADOR
MARCA	SCHNEIDER		SCHNEIDER
MODELO	ION		ION S.BOARD
N° MODELO	7650		8600
N° SERIE	PS-0911A401-02		PT-0807A570-01
N° ELEMENTOS	3E - 4H		3E - 4H
CLASE	0,2		0,2

REGISTRO DE DISPLAY	LECTURAS MEDIDOR EN SERVICIO			LECTURAS MEDIDOR A INSTALAR			LECTURAS MEDIDOR A REMARCADOR		
	UN	ENCONT	DEJADA	UN	ENCONT	DEJADA	UN	ENCONT	DEJADA
ENERGÍA ACTIVA DIRECTA	K	16263259,000	IDENTICA				K	0	826,346
ENERGÍA REACTIVA DIRECTA	K	207705232,000	IDENTICA				K	0	0,000
ENERGÍA ACTIVA REVERSA	K	443045472,000	IDENTICA				K	0	470,443
ENERGÍA REACTIVA REVERSA	K	180409616,000	IDENTICA				K	0	0,000
DEMANDA MAX. DIRECTA									
DEMANDA MAX. REVERSA									

SOLICITUD DE INTERVENCIÓN COORDINADOR	
N° DE SOLICITUD	
FECHA INICIO	13-08-2018
HORA INICIO	15:30
FECHA TÉRMINO	13-08-2018
HORA TÉRMINO	16:45

SELLOS		
ENCONTRADO	DEJADO	UBICACIÓN

\* Para los casos de puesta en servicio, en donde no se realice una verificación de medidor en terreno, no será necesaria la entrega de ésta acta.

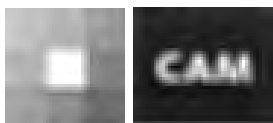
### RESPONSABLES

PERSONA RESPONSABLE EMPRESA/AUDITORA	
NOMBRE	FELIPE SANDOVAL
EMPRESA	CAM CHILE
FIRMA	

PERSONA RESPONSABLE COORDINADO	
NOMBRE	CRISTIAN AGUILERA
EMPRESA	COLBÚN
FIRMA	

### OBSERVACIONES

IP: 131.178.50.232



CB201808000004

**CERTIFICADO DE EXACTITUD DEL MEDIDOR**

FECHA SERVICIO 13/08/2018

**IDENTIFICACIÓN DEL MEDIDOR****IDENTIFICACIÓN DEL CLIENTE**

Nombre COLBÚN

Sub Estación SAN LUIS

Marca SCHNEIDER ELECTRIC

Tipo ION 7650

Número de Serie PJ-0911A481-02

Ubicación TV1

**PATRÓN DE REFERENCIA**

Consola MTE PTS 3.3C N° Serie 35111

Clase de Exactitud +/- 0,05

Clase de Exactitud 0,2

Estado ACTIVO

**CONDICIONES DE LA MEDIDA**

Tipo de Medida ESTRELLA

Tensión Aplicada 3 x 66.4 (115)[V] 50 [Hz]

Corriente Nominal 3 X 5 (10) [A]

Constante Medidor 1,8 [Wh/lmp]

Temperatura AMBIENTE

N° de Elementos 3E - 4H

**RESULTADOS DE LA VERIFICACIÓN**

Conexión DIRECTA

**Componente Activa**

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,061	+/- 0,2
2	123	100	0,5	-0,049	+/- 0,3
3	123	10	1,0	-0,007	+/- 0,2
4	1	100	1,0	-0,059	+/- 0,3
5	2	100	1,0	0,075	+/- 0,3
6	3	100	1,0	0,041	+/- 0,3
7	1	100	0,5	0,056	+/- 0,4
8	2	100	0,5	0,067	+/- 0,4
9	3	100	0,5	0,003	+/- 0,4

**Componente Reactiva**

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,072	+/- 2,0
2	123	100	0,5	-0,082	+/- 2,0
3	123	10	1,0	-0,081	+/- 2,0
4	1	100	1,0	-0,035	+/- 3,0
5	2	100	1,0	-0,01	+/- 3,0
6	3	100	1,0	-0,056	+/- 3,0
7	1	100	0,5	-0,056	+/- 3,0
8	2	100	0,5	-0,134	+/- 3,0
9	3	100	0,5	-0,061	+/- 3,0

Cumple Clausula 8.1 Norma IEC 62053-22 Clase 0,2

Cumple Clausula 8.1 Norma IEC 62053-23 Clase 2

Energía en Display Tipo de Display ELECTRONICO

**CONCLUSIONES**

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-22 referente a los límites de error para su clase de exactitud, en la componente Activa.

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-23 referente a los límites de error para su clase de exactitud, en la componente Reactiva.

Los resultados consignados se refieren exclusivamente a la muestra ensayada y CAM Chile S.A. declina toda responsabilidad por el uso indebido que se hiciera del presente Certificado.



CB201808000004

FECHA SERVICIO 13/08/2018

## IDENTIFICACIÓN DEL MEDIDOR

## IDENTIFICACIÓN DEL CLIENTE

Nombre COLBÚN

Sub Estación SAN LUIS

## PATRÓN DE REFERENCIA

Consola MTE PTS 3.3C N° Serie 35111

Clase de Exactitud +/- 0,05

Marca SCHNEIDER ELECTRIC

Tipo ION 7650

Número de Serie PJ-0911A481-02

Ubicación TV1

Clase de Exactitud 0,2

Estado ACTIVO

## CONDICIONES DE LA MEDIDA

Tipo de Medida ESTRELLA

Tensión Aplicada 3 x 66.4 (115)[V] 50 [Hz]

Corriente Nominal 3 X 5 (10) [A]

Constante Medidor 1,8 [Wh/Imp]

Temperatura AMBIENTE

N° de Elementos 3E - 4H

## RESULTADOS DE LA VERIFICACIÓN

Conexión REVERSA

## Componente Activa

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,059	+/- 0,2
2	123	100	0,5	-0,041	+/- 0,3
3	123	10	1,0	-0,061	+/- 0,2
4	1	100	1,0	-0,055	+/- 0,3
5	2	100	1,0	-0,077	+/- 0,3
6	3	100	1,0	-0,004	+/- 0,3
7	1	100	0,5	-0,055	+/- 0,4
8	2	100	0,5	-0,069	+/- 0,4
9	3	100	0,5	-0,013	+/- 0,4

## Componente Reactiva

N°	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,067	+/- 2,0
2	123	100	0,5	-0,081	+/- 2,0
3	123	10	1,0	-0,079	+/- 2,0
4	1	100	1,0	-0,039	+/- 3,0
5	2	100	1,0	-0,098	+/- 3,0
6	3	100	1,0	-0,006	+/- 3,0
7	1	100	0,5	-0,051	+/- 3,0
8	2	100	0,5	-0,131	+/- 3,0
9	3	100	0,5	-0,06	+/- 3,0

Cumple Clausula 8.1 Norma IEC 62053-22 Clase 0,2

Cumple Clausula 8.1 Norma IEC 62053-23 Clase 2

## CONCLUSIONES

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-22 referente a los límites de error para su clase de exactitud, en la componente Activa.

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-23 referente a los límites de error para su clase de exactitud, en la componente Reactiva.

Certificado emitido por CAM Chile S.A.  
Equipos Certificados y Verificados con Patrones bajo laboratorio

Felipe Alejandro Sandoval Ramirez  
Especialista en Medidas  
Unidad SS/EE y Monitoreos

Los resultados consignados se refieren exclusivamente a la muestra ensayada y CAM Chile S.A. declina toda responsabilidad por el uso indebido que se hiciere del presente Certificado.













## COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB TURBINA VAPOR ALTA PRESIÓN NH1

N° 10139499

Nombre del equipo	SENSOR DE TEMPERATURA		TAG. N°	10 LBA 10 CT 004		Servicio	NEHN - 10MAA50HA001						
Modelo	--		N/S	--		Marca	--						
Rango de entrada	--		Rango de salida	--		Ubicación	1° NIVEL EDIFICIO TURBINA VAPOR DUCTO 10 LBA 10						
Instrumento Patrón		Encontrado				Dejado				Indicación Adicional			
Unidad: °C		Unidad: °C				Unidad:				Unidad:			
Entrada		Salida		Subida		Bajada		Subida		Bajada		Encont	Dejado
100				99,3									
Error MAX Absoluto													
<p><b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE, MODELO 754 N/S: 2125004 HORNO FLUKE, MODELO 9141 N/S: A6C486</p> <p>NOTA: SENSOR DE TEMPERATURA REVISADO EN TERRENO, POR ORDEN DE PERSONAL PLANTA, SOLO SE MIDE EN UN PUNTO A 100°C.</p> <p>Sensor TC tipo K.</p>						equi		Testificado por					
						Precisión		Guillermo Bazaes					
Clase		Chequeado por											
		Guillermo Corona											
		Fecha											
		10-noviembre-2017											
Observaciones:													
Se realizó mantenimiento y verificación. Equipo queda normalizado y operativo.													

Nombre del equipo	TRANSMISOR DE TEMPERATURA	TAG. Nº	10 LBA 10 CT 004	Servicio	NEHN - 10MAA50HA001
Modelo	T12-10-000	N/S	--	Marca	WIKA
Rango de entrada	0 a 650 °C	Rango de salida	4 a 20 mA	Ubicación	1° NIVEL EDIFICIO TURBINA VAPOR DUCTO 10 LBA 10

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional	
Unidad: °C / mA		Unidad: mA		Unidad: mA		Unidad: °C / mA		Unidad: °C / mA		Unidad: °C / mA	Unidad: °C / mA
Entrada	Salida	Subida		Bajada		Subida		Bajada		Encont	Dejado
0%	0,0	4,0	3,990								
25%	162,5	8,0	7,990								
50%	325,0	12,0	11,984								
75%	487,5	16,0	15,982								
100%	650,0	20,0	19,988								
Error MAX Absoluto											

<p><b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE, MODELO 754 N/S: 2125004</p> <p>NOTA: SE VERIFICA ESTADO DEL EQUIPO, CONEXIONADO Y FUNCIONAMIENTO.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">equi</td> <td>Testificado por</td> </tr> <tr> <td> </td> <td>Guillermo Bazaes</td> </tr> <tr> <td>Precisión</td> <td>Chequeado por</td> </tr> <tr> <td> </td> <td>Guillermo Corona</td> </tr> <tr> <td>Clase</td> <td>Fecha</td> </tr> <tr> <td> </td> <td>10-noviembre-2017</td> </tr> <tr> <td colspan="2">Observaciones:</td> </tr> <tr> <td colspan="2">Se realizó mantenimiento y verificación. Equipo queda normalizado y operativo.</td> </tr> </table>	equi	Testificado por		Guillermo Bazaes	Precisión	Chequeado por		Guillermo Corona	Clase	Fecha		10-noviembre-2017	Observaciones:		Se realizó mantenimiento y verificación. Equipo queda normalizado y operativo.	
equi	Testificado por																
	Guillermo Bazaes																
Precisión	Chequeado por																
	Guillermo Corona																
Clase	Fecha																
	10-noviembre-2017																
Observaciones:																	
Se realizó mantenimiento y verificación. Equipo queda normalizado y operativo.																	



## COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB TURBINA VAPOR DE BAJA PRESIÓN NH1

Nº 10139508

Nombre del equipo	TRANSMISOR DE PRESIÓN	TAG. Nº	10 LBA 80 CP 002	Servicio	NEHN - 10MAC10HA001
Modelo	7MF4020	N/S	N1JD12 - 935316	Marca	SIEMENS
Rango de entrada	0 a 10 Bar	Rango de salida	4 a 20 mA	Ubicación	BAJO TURBINA VAPOR

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional	
Unidad: Bar / mA		Unidad: mA				Unidad:				Unidad:	
Entrada	Salida	Subida		Bajada		Subida		Bajada		Encont	Dejado
0%	0,00	4,00	4,006								
25%	2,50	8,00	8,000								
50%	5,00	12,00	12,007								
75%	7,50	16,00	16,004								
100%	10,00	20,00	20,004								

Error MAX Absoluto										
--------------------	--	--	--	--	--	--	--	--	--	--

**EQUIPOS PATRONES**  
 MULTICALIBRADOR FLUKE 743 B N/S 9159004  
 MODULO DE PRESIÓN FLUKE 750 P09 N/S 2882079

equi	Testificado por
	Guillermo Bazaes
Precisión	Chequeado por
	Guillermo Corona
Clase	Fecha
	06-noviembre-2017
Observaciones:	
Se realizo mantenimiento y verificación.	



**COMPLEJO NEHUENCO**  
REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB TURBINA VAPOR DE BAJA PRESIÓN NH1 N° 10139508

Nombre del equipo	TRANSMISOR DE TEMPERATURA	TAG. N°	10 LBA 80 CT 003		Servicio	NEHN - 10MAC10HA001								
Modelo	T 12.10.000	N/S	--		Marca	WIKA								
Rango de entrada	0 a 300 °C	Rango de salida	--		Ubicación	3° PISO TV								
Instrumento Patrón		Encontrado			Dejado			Indicación Adicional						
Unidad: °C / mA		Unidad: mA / mA		Unidad:			Unidad:							
Entrada		Salida	Subida		Bajada		Subida	Bajada		Encont	Dejado			
0%		0,00	4,00	4,021	4,021									
25%		75,00	8,00	8,019	8,019									
50%		150,00	12,00	12,018	12,018									
75%		225,00	16,00	16,015	16,015									
100%		300,00	20,00	20,009	20,009									
Error MAX Absoluto														
<b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE 754 N/S 2125004											equi		Testificado por	
<b>Sensor RTD</b>													Guillermo Bazaes	
											Precisión		Chequeado por	
													Daniel Molina	
											Clase		Fecha	
													21-octubre-2017	
Observaciones:											Se realizo verificación.			



## COMPLEJO NEHUENCO

### REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB TURBINA VAPOR DE BAJA PRESIÓN NH1

N° 10139508

Nombre del equipo	SENSOR DE TEMPERATURA	TAG. N°	10 LBB 10 CT 002	Servicio	NEHN - 10MAC10HA001		
Modelo	--	N/S	--	Marca	--		
Rango de entrada	--	Rango de salida	--	Ubicación	PRIMER PISO TURBINA VAPOR		
Instrumento Patrón		Encontrado		Dejado		Indicación Adicional	
Unidad: /		Unidad: °C /		Unidad: /		Unidad: /	
Entrada	Salida	Subida	Bajada	Subida	Bajada	Encont	Dejado
		32,1					
Error MAX Absoluto							

<p><b>EQUIPOS PATRONES</b>  <b>MULTICALIBRADOR FLUKE 754 N/S 2125004</b></p> <p>Sensor TC tipo K.          NOTA: Se realiza solamente medición de temperatura ambiente.</p>	<p>equi</p> <hr/> <p>Precisión</p> <hr/> <p>Clase</p>	<p>Testificado por</p> <p style="text-align: center;"><b>Guillermo Bazaes</b></p> <p>Chequeado por</p> <p style="text-align: center;"><b>Guillermo Corona</b></p> <p>Fecha</p> <p style="text-align: center;"><b>10-noviembre-2017</b></p>
<p>Observaciones:  <b>Se realizo verificación.</b></p>		



# COMPLEJO NEHUENCO

## REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB DOMO BAJA PRESIÓN, CALDERA HRSG NH1

Nº 10142631

Nombre del equipo	TRANSMISOR DE PRESIÓN	TAG. Nº	10 LAA 10 CP 001	Servicio	NEHN - 11HAD80BB001
Modelo	--	N/S	--	Marca	ENDRESS + HAUSER
Rango de entrada	-1 a 9 Bar	Rango de salida	4 a 20 mA	Ubicación	BAJO DOMO

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional	
Unidad: Bar / mA		Unidad: mA		Unidad: mA		Unidad: mA		Unidad: mA		Unidad:	
Entrada	Salida	Subida		Bajada		Subida		Bajada		Encont	Dejado
0%	-1,0	4,0		3,997		3,997					
25%	1,5	8,0		7,981		7,982					
50%	4,0	12,0		12,018		12,018					
75%	6,5	16,0		15,970		15,976					
100%	9,0	20,0		19,978		19,978					
Error MAX Absoluto											

<b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE 744 N/S 9630050 MODULO DE PRESIÓN 750 P09 N/S 10624503	equi	Testificado por
		German Bravo
	Precisión	Chequeado por
		Brayan Zenteno
	Clase	Fecha
		24-octubre-2017
Observaciones:		
Se realizo mantenimiento y verificación.		



# COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB AGUA ALIMENTACIÓN DEH.P NH 1

N° 10142634

Nombre del equipo	TRANSMISOR DE PRESIÓN	TAG. N°	11 LAB 20 CP 002	Servicio	NEHN - 11LAB20BR001
Modelo	--	N/S	--	Marca	ENDRESS + HAUSER
Rango de entrada	0 a 240 Bar	Rango de salida	4 a 20 mA	Ubicación	1° PISO CALDERA

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional	
Unidad: Bar / mA		Unidad: mA				Unidad:				Unidad:	
Entrada	Salida	Subida		Bajada		Subida		Bajada		Encont	Dejado
0%	0,0	4,0		3,990							
25%	60,0	8,0		8,046							
50%	120,0	12,0		12,018							
75%	180,0	16,0		16,079							
100%	240,0	20,0		20,041							
Error MAX Absoluto											

**EQUIPOS PATRONES**  
**MULTICALIBRADOR FLUKE 744 N/S 9630050**  
**MODULO DE PRESIÓN FLUKE 750 P31 N/S 2882075**

equi	Testificado por
	Cristian Reyes
Precisión	Chequeado por
	José Contreras
Clase	Fecha
	24-octubre-2017
Observaciones:	
Se realizo mantenimiento y verificación.	



## COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB LINEA VAPOR SOBRECAL.DE H.P NH1

Nº 10142639

Nombre del equipo	SENSOR DE TEMPERATURA	TAG. Nº	11 LBA 10 CT 004	Servicio	NEHN - 11LBA10BR001
Modelo	12.10.000	N/S	52 F44 00002305	Marca	WIKA
Rango de entrada	0 a 600 °C	Rango de salida	--	Ubicación	ULTIMO PISO CALDERA LADO SAN ISIDRO

Instrumento Patrón		Encontrado		Dejado		Indicación Adicional	
Unidad: %	°C	Unidad: °C	°C	Unidad: %	°C	Unidad: %	Unidad: °C
Entrada	Salida	Subida	Bajada	Subida	Bajada	Encont	Dejado
0%	0,0	0,2					
25%	150,0	150,1					
50%	300,0	300,3					
75%	450,0	450,2					
100%	600,0	600,3					

Error MAX Absoluto							
--------------------	--	--	--	--	--	--	--

EQUIPOS PATRONES MULTICALIBRADOR FLUKE 754 N/S 2120001 HORNO FLUKE 9150 N/S B13066 HORNO HART SCIENTIFIC 9009 N/S A24264  Sensor TC tipo K.	equi	Testificado por
		Cristian Reyes
	Precisión	Chequeado por
		Cesar Rivera
	Clase	Fecha
		21-noviembre-2017
Observaciones:		
Se realizo mantenimiento y verificación.		













## COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB LINEA VAPOR DE I.P NH1

N° 10142640

Nombre del equipo	TRANSMISOR DE TEMPERATURA	TAG. N°	11 LBA 50 CT 001	Servicio	NEHN - 11LBA50BR001
Modelo	TMT 182	N/S	KB04C623125	Marca	ENDRESS + HAUSER
Rango de entrada	0 a 400 °C	Rango de salida	4 a 20 mA	Ubicación	1° PISO - CALDERA

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional	
Unidad: °C		Unidad: mA		Unidad: mA		Unidad:		Unidad:		Unidad:	
Entrada	Salida	Subida		Bajada		Subida		Bajada		Encont	Dejado
0,0%	0,0	4,00	4,006	4,004							
25,0%	100,0	8,00	8,006	8,007							
50,0%	200,0	12,00	12,002	12,003							
75,0%	300,0	16,00	16,001	16,002							
100,0%	400,0	20,00	20,006	20,006							

Error MAX Absoluto											
--------------------	--	--	--	--	--	--	--	--	--	--	--

<b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE, MODELO 743 B N/S: 9877004 HORNO DE TEMPERATURA HART SCIENTIFIC, MODELO 9009 N/S: A24264 HORNO DE TEMPERATURA FLUKE, MODELO 9141 N/S: A6C486  <b>NOTA: TERMOCUPLA TIPO K.</b>	equi	Testificado por
		German Bravo
	Precisión	Chequeado por
		Juan Carlos Viveros
	Clase	Fecha
		02-noviembre-2017
Observaciones:		
Equipo Nuevo.		



# COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: MPB LINEA VAPOR DE I.P NH1

Nº 10142640

Nombre del equipo	TRANSMISOR DE TEMPERATURA	TAG. Nº	11 LBA 50 CT 001	Servicio	NEHN - 11LBA50BR001
Modelo	TR 10000	N/S	--	Marca	WIKA
Rango de entrada	0 a 400 °C	Rango de salida	4 a 20 mA	Ubicación	1º PISO - CALDERA

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional	
Unidad: °C / mA		Unidad: mA		Unidad: mA		Unidad: /		Unidad: /		Unidad:	Unidad:
Entrada	Salida	Subida		Bajada		Subida		Bajada		Encont	Dejado
0,0%	0,0	4,00	4,060	4,060							
25,0%	100,0	8,00	8,050	8,050							
50,0%	200,0	12,00	11,903	11,904							
75,0%	300,0	16,00	15,121	15,121							
100,0%	400,0	20,00	19,116	19,116							

Error MAX Absoluto											
--------------------	--	--	--	--	--	--	--	--	--	--	--

<b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE, MODELO 743 B N/S: 9877004 HORNO DE TEMPERATURA HART SCIENTIFIC, MODELO 9009 N/S: A24264 HORNO DE TEMPERATURA FLUKE, MODELO 9141 N/S: A6C486  NOTA: TERMOCUPLA TIPO K.	equi	Testificado por
		German Bravo
	Precisión	Chequeado por
		Juan Carlos Viveros
	Clase	Fecha
		02-noviembre-2017
	Observaciones:	
Solo valores encontrados. Se recomienda cambio.		



**COMPLEJO NEHUENCO****REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS**Sistema: MPB LINEA VAPOR DE I.P NH1N° 10142640

Nombre del equipo	TRANSMISOR DE TEMPERATURA	TAG. N°	11 LBA 50 CT 002	Servicio	NEHN - 11LBA50BR001		
Modelo	112.10000	N/S	--	Marca	WIKA		
Rango de entrada	0 a 400 °C	Rango de salida	4 a 20 mA	Ubicación	1° PISO - CALDERA		
Instrumento Patrón		Encontrado		Dejado		Indicación Adicional	
Unidad: °C / mA		Unidad: mA / mA		Unidad: /		Unidad: /	
Entrada	Salida	Subida	Bajada	Subida	Bajada	Encont	Dejado
0,0%	0,0	4,00	4,010				
25,0%	100,0	8,00	8,012				
50,0%	200,0	12,00	11,923				
75,0%	300,0	16,00	15,140				
100,0%	400,0	20,00	18,540				
Error MAX Absoluto							

<b>EQUIPOS PATRONES</b> MULTICALIBRADOR FLUKE, MODELO 743 B N/S: 9877004 HORNO DE TEMPERATURA HART SCIENTIFIC, MODELO 9009 N/S: A24264 HORNO DE TEMPERATURA FLUKE, MODELO 9141 N/S: A6C486  <b>NOTA: TERMOCUPLA TIPO K</b>	equi	Testificado por
		German Bravo
	Precisión	Chequeado por
		Juan Carlos Viveros
	Clase	Fecha
		02-noviembre-2017
Observaciones:		
Solo valores encontrados. Se recomienda cambio.		



















## INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

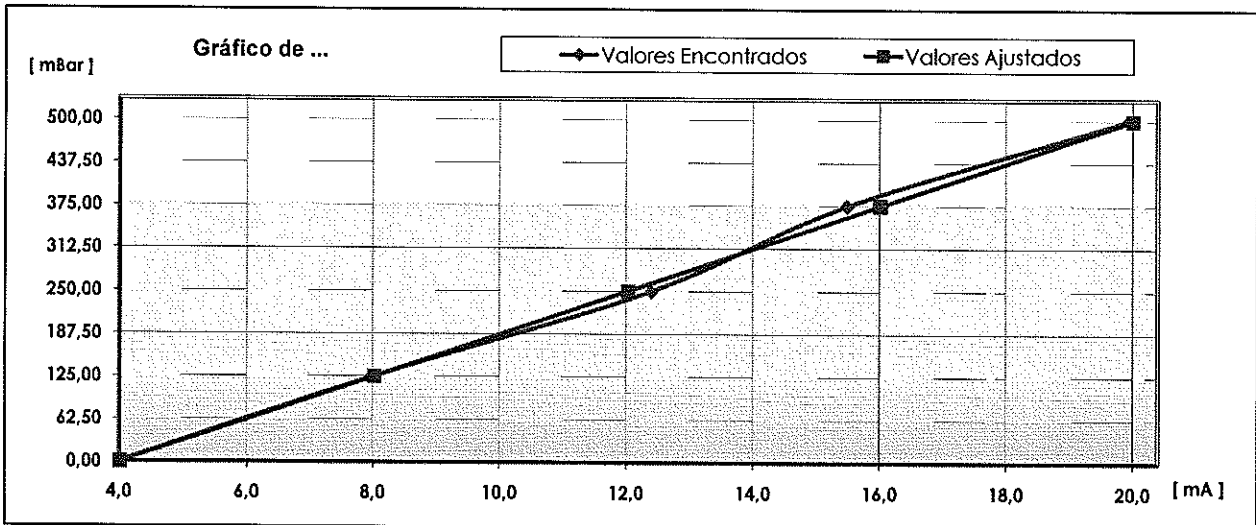
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LAB20CF001
Modelo	Deltabar	Área	Nehuenco 1
Tipo	Diferencial	Ubicación	Caldera 1 Piso Lado Mar
N° de serie	4300118	Rango	0 a 500 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	N° Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	3,987	0,08	4,014	0,09
125,0	8,000	7,995	0,03	8,022	0,14
250,0	12,000	12,400	2,50	12,027	0,17
375,0	16,000	15,488	3,20	16,010	0,06
500,0	20,000	19,942	0,36	20,002	0,01



**OBSERVACIONES:**

Se realiza mantención, verificación y ajuste. Equipo queda normalizado y operativo.

	TECNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	30-10-2015	30-10-2015	30-10-2015





# INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

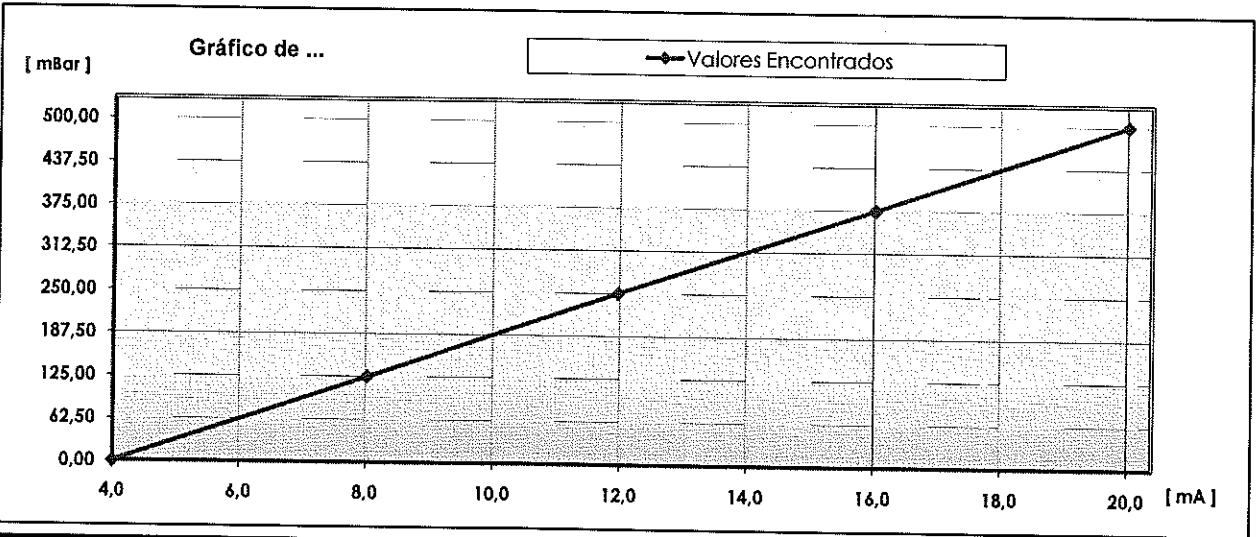
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LAB50CF001
Modelo	Deltabar S	Área	Nehuenco I
Tipo	Diferencial	Ubicación	Caldera I Piso Lado Mar
N° de serie	AS02AC0109D	Rango	0 a 500 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	N° Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	4,002	0,01	-	-
125,0	8,000	8,024	0,15	-	-
250,0	12,000	11,969	0,19	-	-
375,0	16,000	16,020	0,12	-	-
500,0	20,000	20,012	0,08	-	-



**OBSERVACIONES:**

Se realiza mantención y verificación. Equipo queda normalizado y operativo.

	TÉCNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	30-10-2015	30-10-2015	30-10-2015

**IN-TEC**

INSTRUMENTACION

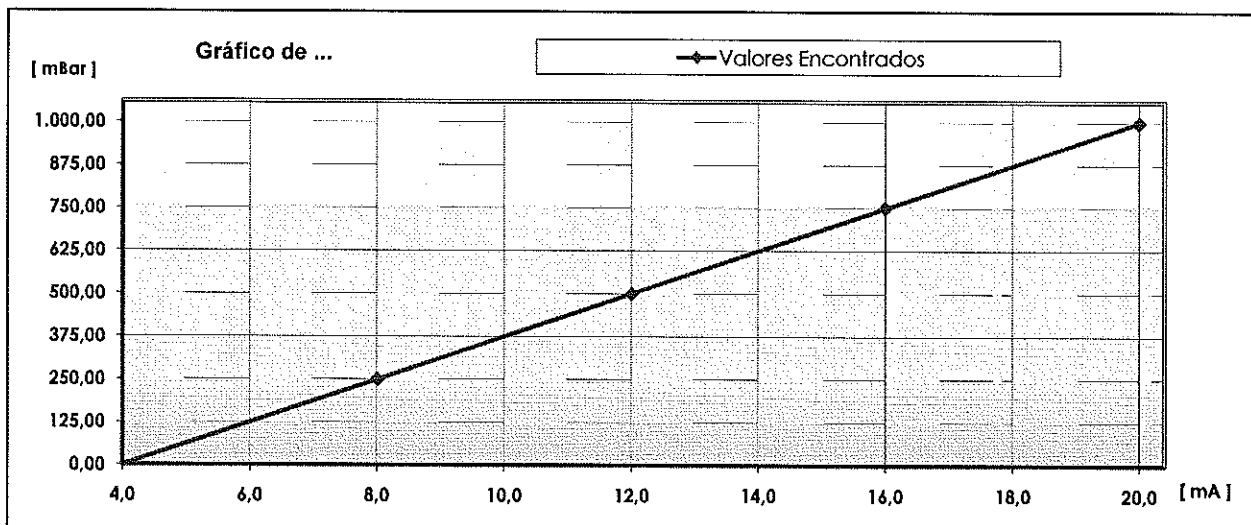
**INFORME DE VERIFICACIÓN  
TRANSMISORES DE FLUJO****Empresa Mandante: Colbun Complejo Nehuenco****CARACTERÍSTICAS TÉCNICAS DEL EQUIPO**

Marca	Endress + Hauser	TAG	11LBA10CF001
Modelo	Deltabar	Área	Nehuenco I
Tipo	Diferencial	Ubicación	Caldera 1 Piso Lado Mar
N° de serie	43Q0067	Rango	0 a 1000 mBar
Descripción			

Instrumentos utilizados para la Verificación

Descripción	Marca	Modelo	N° Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	7438	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	3,996	0,03	--	--
250,0	8,000	8,012	0,08	--	--
500,0	12,000	12,004	0,02	--	--
750,0	16,000	16,001	0,01	--	--
1000,0	20,000	20,000	0,00	--	--

**OBSERVACIONES:**

Se realiza mantención y verificación. Equipo queda normalizado y operativo.

	TÉCNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	30-10-2015	30-10-2015	30-10-2015



# INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

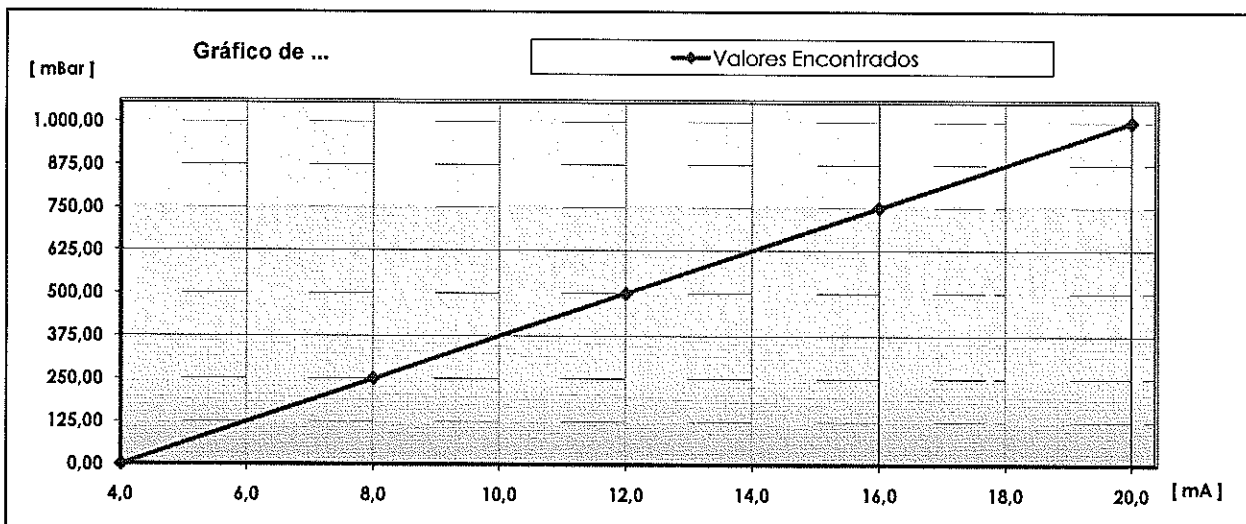
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LBA10CF002
Modelo	Deltabar	Área	Nehuenco 1
Tipo	Diferencial	Ubicación	Caldera 1 Piso Lado Mar
N° de serie	05Q0213	Rango	0 a 1000 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	N° Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados			Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]	
0,0	4,000	4,015	0,09	-	-	
250,0	8,000	8,003	0,02	-	-	
500,0	12,000	12,004	0,02	-	-	
750,0	16,000	16,000	0,00	-	-	
1000,0	20,000	20,000	0,00	-	-	



**OBSERVACIONES:**

Se realiza mantención y verificación. Equipo queda normalizado y operativo.

	TECNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	30-10-2015	30-10-2015	30-10-2015



# INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

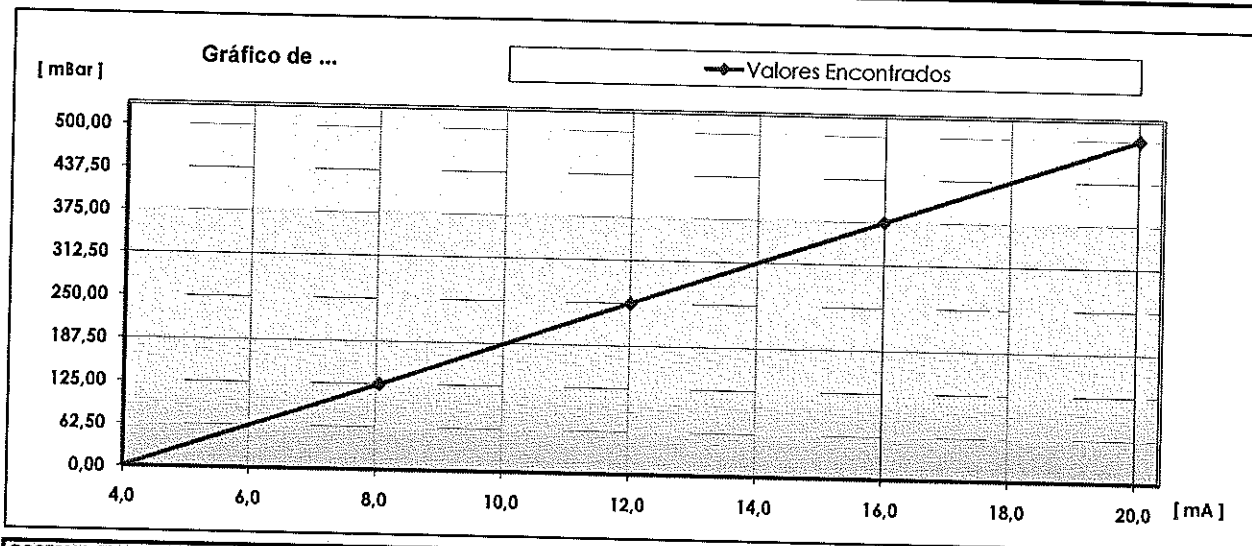
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LBA50CF001
Modelo	Deltabar	Área	Nehuenco 1
Tipo	Diferencial	Ubicación	Caldera 1 Piso Lado Mar
Nº de serie	OSQ0209	Rango	0 a 500 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	Nº Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	3,977	0,14	-	-
125,0	8,000	8,050	0,31	-	-
250,0	12,000	12,004	0,02	-	-
375,0	16,000	15,997	0,02	-	-
500,0	20,000	20,020	0,12	-	-



**OBSERVACIONES:**

Se realiza mantención, verificación y ajuste. Equipo queda normalizado y operativo.

	TECNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	30-10-2015	30-10-2015	30-10-2015



## INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

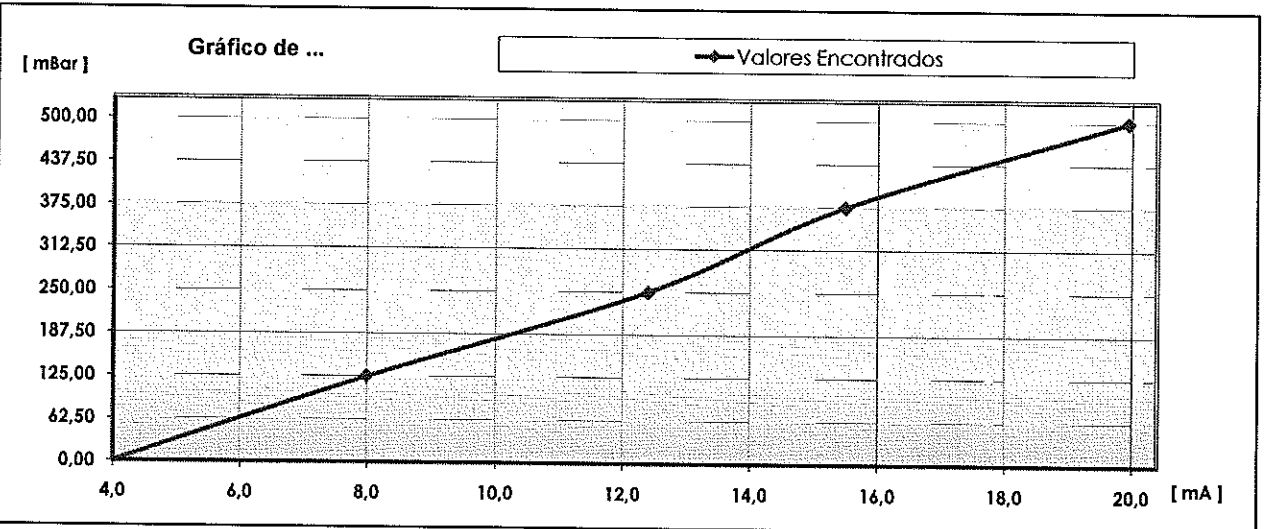
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LBA50CF002
Modelo	Deltabar	Área	Nehuenco 1
Tipo	Diferencial	Ubicación	Caldera 1 Piso Lado Mar
N° de serie	OSQ0210	Rango	0 a 500 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	N° Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	4,016	0,10	--	--
125,0	8,000	8,055	0,34	--	--
250,0	12,000	12,045	0,28	--	--
375,0	16,000	16,036	0,23	--	--
500,0	20,000	20,009	0,06	--	--



**OBSERVACIONES:**

Se realiza mantención, verificación y ajuste. Equipo queda normalizado y operativo.

	TECNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	30-10-2015	30-10-2015	30-10-2015



**COMPLEJO NEHUENCO**  
REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: \_\_\_\_\_

N° \_\_\_\_\_

Nombre del equipo	TRANSMISOR PRESION	TAG. N°	11LBA50CP001	Servicio						
Modelo	CERABAR	N/S	0RY0481	Marca	ENDRESS-HAUSER					
Rango de entrada	0 a 50 Bar	Rango de salida	4 - 20 ma	Ubicación	CALDERA 1° PISO					
Instrumento Patrón		Encontrado		Dejado		Indicación Adicional				
Unidad:	Bar	ma	Unidad:	ma	Unidad:	Subida	Bajada	Unidad:	Encont	Dejado
Entrada	0,00	4,000	Subida	4,005	Bajada					
	12,50	8,000		7,991						
	25,00	12,000		11,999						
	37,50	16,000		16,003						
	50,00	20,000		20,011						
Error MAX Absoluto										
EQUIPOS PATRONES										
FLUKE 743B 9159004										
MODULO PRESSION 700P09 10640901										
						equi				Testificado por
										Marcelo Bernal
						Precisión				Chequeado por
										Exequiel Gormaz
						Clase				Fecha *
										29-octubre-2015
						Observaciones:				
										20

Sistema: \_\_\_\_\_

N° \_\_\_\_\_

Nombre del equipo	TRANSMISOR PRESION	TAG. N°	11LBA50CP002	Servicio	
Modelo	CERABAR	N/S	0RY0482	Marca	ENDRESS-HAUSER
Rango de entrada	0 a 50 Bar	Rango de salida	4 - 20 ma	Ubicación	CALDERA 1° PISO

Instrumento Patrón	Encontrado				Dejado		Indicación Adicional
	Bar	ma	Subida	Bajada	Subida	Bajada	
Entrada	0,00	4,000	4,009	4,009			Unidad:
0%							Encont
25%	12,50	8,000	7,988	7,988			Dejado
50%	25,00	12,000	11,985	11,985			
75%	37,50	16,000	15,983	15,983			
100%	50,00	20,000	20,003	20,003			
Error MAX Absoluto							

 EQUIPOS PATRONES  
 FLUKE 743B 9159004  
 MODULO PRESSION 700P09 10640901

equi	Testificado por	
	Marcelo Bernal	
Precisión	Chequeado por	
	Exequiel Gormaz	
Clase	Fecha *	
	29-octubre-2015	

 Observaciones:  
 19



## INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

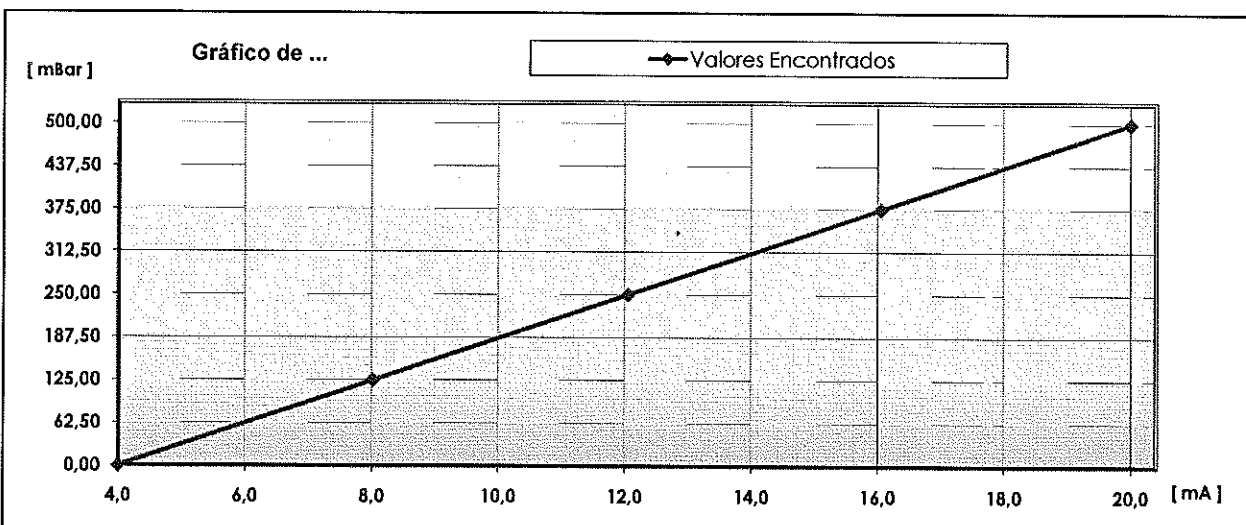
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LCA20CF001
Modelo	Deltabar	Área	Nehuenco I
Tipo	Diferencial	Ubicación	Caldera I Piso Lado Mar
Nº de serie	0SQ0202	Rango	0 a 500 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	Nº Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manometro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	4,001	0,01	-	-
125,0	8,000	8,019	0,12	-	-
250,0	12,000	12,055	0,34	-	-
375,0	16,000	16,055	0,34	-	-
500,0	20,000	20,000	0,00	-	-



**OBSERVACIONES:**

Se realiza mantención y verificación. Equipo queda normalizado y operativo.

	TECNICO	SUP. IN-TEC	SUP. CLIENTE
NOMBRE RESPONSABLE	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
FIRMA RESPONSABLE			
FECHA DE VERIFICACIÓN	29-10-2015	29-10-2015	29-10-2015





## INFORME DE VERIFICACIÓN TRANSMISORES DE FLUJO

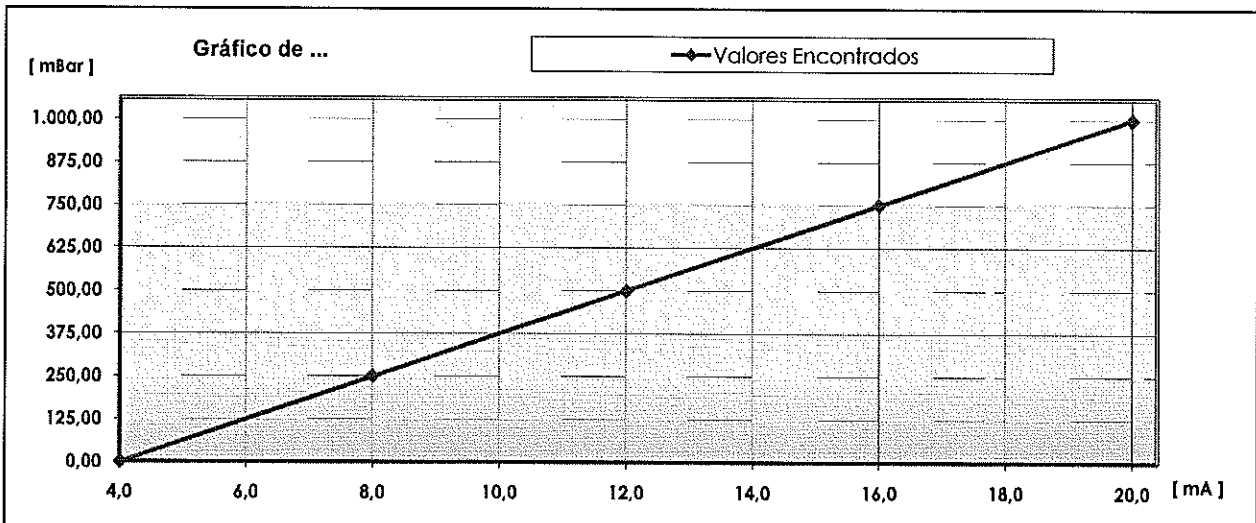
**Empresa Mandante: Colbun Complejo Nehuenco**

CARACTERÍSTICAS TÉCNICAS DEL EQUIPO			
Marca	Endress + Hauser	TAG	11LCA31CF001
Modelo	Deltabar	Área	Nehuenco I
Tipo	Diferencial	Ubicación	Domo Lado Norte
Nº de serie	43Q0145	Rango	0 a 1000 mBar
Descripción			

**Instrumentos utilizados para la Verificación**

Descripción	Marca	Modelo	Nº Serie	Certificado	Fecha Certif.
Multicalibrador	Fluke	743B	9159004	2015-4329	15/08/2015
Manómetro	Fluke	700G04	2148018	153249	08/07/2015

Entrada Simulada		Valores Encontrados		Valores Ajustados	
Presión [mBar]	Corriente [mA]	Corriente [mA]	Error [%]	Corriente [mA]	Error [%]
0,0	4,000	4,040	0,25	-	-
250,0	8,000	8,050	0,31	-	-
500,0	12,000	12,030	0,19	-	-
750,0	16,000	16,050	0,31	-	-
1000,0	20,000	20,050	0,31	-	-



**OBSERVACIONES:**

Se realiza mantención y verificación. Equipo queda normalizado y operativo.

	TECNICO	SUP. IN-TEC	SUP. CLIENTE
<b>NOMBRE RESPONSABLE</b>	Exequiel Gormaz	Marcelo Bernal	Mitchell Zuñiga
<b>FIRMA RESPONSABLE</b>			
<b>FECHA DE VERIFICACIÓN</b>	30-10-2015	30-10-2015	30-10-2015



## COMPLEJO NEHUENCO

### REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: COMPRESOR TURVINA DE GAS N° 10162990

Nombre del equipo	SENSOR DE TEMPERATURA	TAG. N°	11MBA11CT101	Servicio	HEHN-11MBA-ROTOR
Modelo	31156350	N/S	---	Marca	ROSEMOONT
Rango de entrada	0 - 100°C	Rango de salida	---	Ubicación	---

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional			
Unidad:		Unidad:				Unidad:				Unidad:			
Entrada		Salida		Subiendo		Bajando		Subiendo		Bajando		Encont	Dejado
%	C°				C°								
0%	0,00			1,58	1,05								
25%	25,00			26,61	26,11								
50%	50,00			50,57	49,75								
75%	75,00			75,47	75,04								
100%	100,00			99,69	99,49								
Error MAX Absoluto													
0,12%													

horno hart scientific 9009 N/S: A24264  
 multicalibrador fluke 753 N/S: 2128022

equi	Testificado por
	Jose Paredes
Precisión	Chequeado por
	German Bravo
Clase	Fecha
	21-noviembre-2018
Observaciones:	
SE REALISA MANTENCION Y VERIFICACION	



## COMPLEJO NEHUENCO

REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS

Sistema: COMPRESOR TURVINA DE GAS N° 10162990

Nombre del equipo	SENSOR DE TEMPERATURA	TAG. N°	11MBA11CT102	Servicio	HEHN-11MBA-ROTOR
Modelo	31156350	N/S	---	Marca	ROSEMOONT
Rango de entrada	0 - 100°C	Rango de salida	---	Ubicación	---

Instrumento Patrón		Encontrado				Dejado				Indicación Adicional			
Unidad:		Unidad:				Unidad:				Unidad:			
Entrada		Salida		Subiendo		Bajando		Subiendo		Bajando		Encont	Dejado
%	C°				C°								
0%	0,00												
25%	25,00												
50%	50,00												
75%	75,00												
100%	100,00												
Error MAX Absoluto													
0,12%													

PUNTO 1 Y 2 : 19,90°C PUNTO 3 Y 4 : 20,20°C	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">equi</td> <td style="width: 50%;">Testificado por</td> </tr> <tr> <td></td> <td style="text-align: center;">Jose Paredes</td> </tr> <tr> <td>Precisión</td> <td style="text-align: center;">Chequeado por</td> </tr> <tr> <td></td> <td style="text-align: center;">German Bravo</td> </tr> <tr> <td>Clase</td> <td style="text-align: center;">Fecha</td> </tr> <tr> <td></td> <td style="text-align: center;">21-noviembre-2018</td> </tr> <tr> <td colspan="2">Observaciones:</td> </tr> <tr> <td colspan="2" style="text-align: center;">CENSOR NO SE PUEDE RETIRAR SOLO SE LE TOMA TEMPERATURA AMBIENTE</td> </tr> </table>	equi	Testificado por		Jose Paredes	Precisión	Chequeado por		German Bravo	Clase	Fecha		21-noviembre-2018	Observaciones:		CENSOR NO SE PUEDE RETIRAR SOLO SE LE TOMA TEMPERATURA AMBIENTE	
equi	Testificado por																
	Jose Paredes																
Precisión	Chequeado por																
	German Bravo																
Clase	Fecha																
	21-noviembre-2018																
Observaciones:																	
CENSOR NO SE PUEDE RETIRAR SOLO SE LE TOMA TEMPERATURA AMBIENTE																	

Nombre del equipo	transmisor de presion ABS	TAG. N°	11MBA12CP101	Servicio	ROTOR COMPRESOR TG NEH 1
Modelo	Sitrans P	N/S	N1 WZ26 9694056	Marca	SIEMENS
Rango de entrada	0...25 bar ABS	Rango de salida	4...20 mA	Ubicación	UMB TG NEH 1
Instrumento Patrón			Indicación Adicional		
Unidad: BAR	mA	Unidad: mA	mA	Unidad: mA	
Entrada		Salida		Encuentro	
0,0%	0	4,00	4,02		
25,0%	6,2	8,00	8,02		
50,0%	12,5	12,00	12,01		
75,0%	18,7	16,00	16,01		
100,0%	25	20,00	20,02		
Error MAX Absoluto		0,12%	100,00%	0,12%	100,00%
MODULO PATRON UTILIZADO 0 + 70 bar					
menu					
02 ajuste de 4,00 mA para 0,00 bar					
03 ajuste de 20,00 mA para 25 bar					
05 rango para 0,0 bar					
06 rango para 25 bar					
07 ajuste de compensacion 1000 mbar					
medido atm 4,63 mA = 1004 mbar / generar vacio restar atm para los 4,00 mA					
P&I DWG. N°			Testificado por		
Precisión			Chequeado por		
Clase			Flavio Pizarro L		
			Fecha		
			10-agosto-2018		
Observaciones:					



**COMPLEJO NEHUENCO**  
**REGISTRO DE VERIFICACIÓN Y CALIBRACIÓN DE INSTRUMENTOS**  
Sistema: **NEHN-11MBA**

Nº **10169496**

Nombre del equipo	TRANSMISOR DE PRESION	TAG. Nº	11MBA12CP102	Servicio	ROTOR COMPRESOR TG NEH 1
Modelo	1151	N/S	N1 W2269694057	Marca	SIEMENS
Rango de entrada	0...25 bar ABS	Rango de salida	4...20 mA	Ubicación	UMB TG NEH 1
Instrumento Patrón		Encontrado		Dejado	
Unidad:	BAR	Unidad:	mA	Unidad:	mA
	Entrada	Salida	Subida	Bajada	Bajada
0,00%	0	4,00	4,02	4,02	
25,00%	6,2	8,00	8,01	8,01	
50,00%	12,5	12,00	12,01	12,01	
75,00%	18,7	16,00	16,01	16,01	
100,00%	25	20,00	20,01	20,01	
Error MAX Absoluto	0,12%		0,12%		100,00%
MODULO PATRON UTILIZADO 0 + 70 bar					
menu					
02 ajuste de 4,00 mA para 0,00 bar					
03 ajuste de 20,00 mA para 25 bar					
05 rango para 0,0 bar					
06 rango para 25 bar					
07 ajuste de compensacion 1000 mbar					
medido a la atm 4,65 mA = 1006 mbar / generar vacio restar atm para los 4,00 mA					
P&I DWG. Nº					Testificado por
Precisión					Chequeado por
Clase					Flavio Pizarro L
					Fecha
					10-agosto-2018
Observaciones:					



Vaisala is ISO 9001, ISO 14001 and AQAP 2110 certified company.

# CALIBRATION CERTIFICATE

This certificate may only be reproduced in full, except with the prior written permission by the issuing laboratory

Certificate Number:

HEL 194240032



**Instrument:** Pressure, Humidity and Temperature Transmitter PTU303  
**Order code:** PTU300 31B01B1BCPF1A0B1BCD0B0A  
**Serial Number:** R4230157  
**Manufacturer:** Vaisala Oyj, Finland  
**Calibration date:** 2019-10-16

Approved by:

Digitally signed by EVL  
 Date: 2019.10.17 06:44:16 +03:00  
 Reason: Calibration responsible  
 Location: Vaisala Oyj, Finland

The analog outputs of the instrument were calibrated by using working standards of the manufacturer. The outputs were forced by digital input to three output values. The observed values were determined by measuring the voltage over a calibrated precision resistor.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k = 2$ , which for a normal distribution corresponds to a coverage probability of approximately 95 %. The measurement results are traceable to the international system of units (SI) through national metrology institutes (NIST USA, MIKES Finland, or equivalent) or via ISO/IEC 17025 accredited calibration laboratories.

### Analog output channel 1 calibration results

Channel 1 scaling: RH 0...100 %RH

Output forced to mA	Observed output mA	Difference mA	Acceptance limit mA	Pass/Fail
+5.600	+5.600	0.000	±0.010	Pass
+12.000	+12.001	+0.001	±0.010	Pass
+18.400	+18.401	+0.001	±0.010	Pass

### Analog output channel 2 calibration results

Channel 2 scaling: T -20...60 °C

Output forced to mA	Observed output mA	Difference mA	Acceptance limit mA	Pass/Fail
+5.600	+5.600	0.000	±0.010	Pass
+12.000	+12.001	+0.001	±0.010	Pass
+18.400	+18.402	+0.002	±0.010	Pass

### Analog output channel 3 calibration results

Channel 3 scaling: P 500...1100 hPa

Output forced to mA	Observed output mA	Difference mA	Acceptance limit mA	Pass/Fail
+5.600	+5.599	-0.001	±0.010	Pass
+12.000	+11.999	-0.001	±0.010	Pass
+18.400	+18.400	0.000	±0.010	Pass

### Reference equipment used in calibration

Type	Identity Number	Certificate Number	Calibration Date
HP34970A	16707	1250-307098795	2018-12-03
Shunt Cable	ES 12668	C01366	2019-04-26

### Calibration uncertainties (k=2, ~95% confidence level):

Current ±0.00175mA

### Ambient conditions:

Humidity [%RH]      Temperature [°C]      Pressure [hPa]  
 32 ± 4                      23 ± 2                      1011 ± 20

## CALIBRATION CERTIFICATE

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Certificate Number: HEL194240033



**Instrument:** Pressure, Humidity and Temperature Transmitter PTU303  
**Order Code:** PTU300 31B01B1BCPF1A0B1BCD0B0A  
**Serial Number:** R4230157  
**Manufacturer:** Vaisala Oyj, Finland  
**Calibration Date:** 2019-10-16

Approved by:

Digitally signed by EVL  
 Date: 2019.10.17 06:44:33 +03:00  
 Reason: Calibration responsible  
 Location: Vaisala Oyj, Finland

The humidity sensor of the instrument was calibrated by comparing the instrument's humidity reading to a generated reference humidity reading. The reference humidity reading was calculated based on two-pressure humidity generation principle, using the measurement results of saturator pressure and temperature and calibration chamber pressure and temperature.

The temperature sensor(s) of the instrument was calibrated by comparing the instrument's temperature readings to a reference thermometer.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k = 2$ , which for a normal distribution corresponds to a coverage probability of approximately 95 %. The measurement results are traceable to the international system of units (SI) through national metrology institutes (NIST USA, MIKES Finland, or equivalent) or via ISO/IEC 17025 accredited calibration laboratories.

### Humidity calibration results

Reference Humidity [%RH]	Reference Temperature [°C]	Observed Humidity [%RH]	Observed Temperature [°C]	Humidity Error [%RH]	Acceptance Limit [%RH]	Pass/Fail
15.0	22.72	14.8	22.72	-0.2	±1.0	Pass
33.0	22.72	32.7	22.72	-0.3	±1.0	Pass
54.0	22.72	53.9	22.72	-0.1	±1.0	Pass
75.1	22.72	75.1	22.72	0.0	±1.0	Pass
94.7	22.72	94.8	22.73	0.1	±1.7	Pass

### Temperature calibration results

Reference Temperature [°C]	Observed Temperature [°C]	Error [°C]	Acceptance Limit [°C]	Pass/Fail
22.72	22.72	0.00	±0.10	Pass

### Additional temperature probe calibration results

Reference Temperature [°C]	Observed Temperature [°C]	Error [°C]	Acceptance Limit [°C]	Pass/Fail
-	-	-	-	-

### Reference equipment used in calibration

Type	Identity Number	Certificate Number	Calibration Date	Calibration Due Date
PTU307	18170	K008-C00455	2019-02-07	2020-02-29
HMP307	17590	K008-B03180	2018-11-07	2019-11-30
GE Druck DPS 823B	16736	K008-C01498	2019-05-07	2019-11-30
AM1612	17592	K008-B03182	2018-11-07	2019-11-30
PXI-4070	17589	B03179	2018-11-07	2019-11-30

### Calibration uncertainty (k=2, ~95% confidence level):

Humidity ± 0.6 %RH @ 0...40 %RH, ± 1.0 %RH @ 40...95 %RH  
 Temperature ± 0.10 °C

### Ambient conditions:

Humidity [%RH]    Temperature [°C]    Pressure [hPa]  
 31 ± 4                    24 ± 2                    1010 ± 20



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## CALIBRATION CERTIFICATE

This certificate may only be reproduced in full, except with the prior written permission by the issuing laboratory

Certificate Number:

HEL194240036



**Instrument:** Pressure, Humidity and Temperature Transmitter PTU303  
**Pressure Range:** 500-1100 hPa  
**Order Code:** PTU300 31B01B1BCPF1A0B1BCD0B0A  
**Serial Number:** R4230157  
**Manufacturer:** Vaisala Oyj, Finland  
**Calibration Date:** 16th October 2019

Approved by:

Digitally signed by EVL  
 Date: 2019.10.17 06:59:38 +03:00  
 Reason: Calibration responsible  
 Location: Vaisala Oyj, Finland

The pressure reading of the instrument was calibrated by comparing the instrument's pressure reading to a reference pressure reading.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k = 2$ , which for a normal distribution corresponds to a coverage probability of approximately 95 %. The measurement results are traceable to the international system of units (SI) through national metrology institutes (NIST USA, MIKES Finland, or equivalent) or via ISO/IEC 17025 accredited calibration laboratories.

### Pressure calibration results

Reference hPa	Observed hPa	Correction* hPa	Acceptance Limit hPa	Pass/Fail
500.02	500.01	0.01	±0.05	Pass
550.01	550.01	0.00	±0.05	Pass
650.03	650.03	0.00	±0.05	Pass
750.00	750.00	0.00	±0.05	Pass
849.98	849.98	0.00	±0.05	Pass
949.96	949.96	0.00	±0.05	Pass
1000.00	1000.00	0.00	±0.05	Pass
1049.96	1049.96	0.00	±0.05	Pass
1099.97	1099.97	0.00	±0.05	Pass

\*To obtain the true pressure, add the correction to the barometer reading.  
 Interpolated corrections may be used at intermediate readings of the scale of the barometer.

### Reference equipment used in calibration

Type	Identity Number	Certificate Number	Calibration Date	Calibration Due Date
DHI PPC3	PA 12823	K008-C02743	2019-08-16	2020-08-31

### Calibration uncertainty (k=2, ~95% confidence level):

Pressure ± 0.07 hPa

### Ambient conditions:

Humidity [%RH]	Temperature [°C]	Pressure [hPa]
32 ± 5	22 ± 1	1007 ± 1





## A – 3 Protocolos de Análisis de Combustibles

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OPERACIÓN y MANTENIMIENTO INDUSTRIAL

*Flujo Energía Limitada*

Nueva York 53 Oficina 61 - Santiago



PROMEDIO	0,708	9.344
DESV EST	0,0000	0,2353
DESV EST %	0,0001	0,00003

<b>DateTime</b>	<b>01.CB1_Densidad del Gas [kg/m<sup>3</sup>]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m<sup>3</sup>]</b>
18-12-2019 9:01:32	0,70822	9.344,46
18-12-2019 9:13:28	0,70827	9.344,23
18-12-2019 9:25:28	0,70831	9.344,12
18-12-2019 9:37:29	0,70828	9.343,89



PROMEDIO	0,708	9.342
DESV EST	0,0002	2,3303
DESV EST %	0,0003	0,00025

DateTime	01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
18-12-2019 10:13:33	0,70823	9.343,85
18-12-2019 10:25:10	0,70823	9.343,81
18-12-2019 10:37:26	0,70806	9.342,14
18-12-2019 10:49:25	0,70779	9.338,89



PROMEDIO	0,708	9.338
DESV EST	0,0002	2,1390
DESV EST %	0,0003	0,00023

<b>DateTime</b>	<b>01.CB1_Densidad del Gas [kg/m3]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m3]</b>
18-12-2019 11:25:27	0,70790	9.340,75
18-12-2019 11:37:25	0,70769	9.338,26
18-12-2019 11:49:24	0,70752	9.336,29
18-12-2019 12:01:33	0,70751	9.336,20



PROMEDIO	0,708	9.341
DESV EST	0,0002	2,3563
DESV EST %	0,0003	0,00025

DateTime	01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
18-12-2019 12:13:29	0,70758	9.337,01
18-12-2019 12:25:31	0,70794	9.341,22
18-12-2019 12:37:25	0,70799	9.341,86
18-12-2019 12:49:27	0,70800	9.341,95



PROMEDIO	0,707	9.334
DESV EST	0,0000	0,2627
DESV EST %	0,0000	0,00003

<b>DateTime</b>	<b>01.CB1_Densidad del Gas [kg/m3]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m3]</b>
18-12-2019 13:25:31	0,70737	9.333,76
18-12-2019 13:37:30	0,70740	9.334,18
18-12-2019 13:49:26	0,70739	9.334,23
18-12-2019 14:01:27	0,70739	9.334,36



PROMEDIO	0,707	9.334
DESV EST	0,0000	0,0957
DESV EST %	0,0000	0,00001

<b>DateTime</b>	<b>01.CB1_Densidad del Gas [kg/m3]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m3]</b>
18-12-2019 14:13:29	0,70737	9.334,30
18-12-2019 14:25:31	0,70734	9.334,08
18-12-2019 14:37:27	0,70736	9.334,13
18-12-2019 14:49:29	0,70736	9.334,17



PROMEDIO	0,707	9.330
DESV EST	0,0002	1,3309
DESV EST %	0,0003	0,00014

<b>DateTime</b>	<b>01.CB1_Densidad del Gas [kg/m3]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m3]</b>
18-12-2019 16:01:29	0,70697	9.329,02
18-12-2019 16:13:26	0,70709	9.328,63
18-12-2019 16:25:31	0,70726	9.329,22
18-12-2019 16:37:32	0,70738	9.331,57





PROMEDIO	0,708	1	39	35	9.340
DESV EST	0,0001	0,0000	0,0011	0,0010	1,2463
DESV EST %	0,0001	0,0000	0,0000	0,0000	0,00013

DateTime		01.CB1_Densidad del Gas [kg/m3]	02.CB1_Densidad Relativa	03.CB1_P.Cal.Sup. MJ-M3	04.CB1_P.Cal.Inf. (MJ-M3)	05.CB1_P.Cal.Sup. [Kcal/m3]
19-12-2019	9:01:30	0,70801	0,57778	39,102	35,249	9.339,37
19-12-2019	9:13:25	0,70807	0,57782	39,101	35,248	9.339,11
19-12-2019	9:25:28	0,70806	0,57782	39,100	35,247	9.338,80
19-12-2019	9:37:27	0,70804	0,57780	39,102	35,249	9.339,37
19-12-2019	9:49:31	0,70813	0,57787	39,107	35,254	9.340,64
19-12-2019	10:01:26	0,70822	0,57794	39,113	35,259	9.342,09



PROMEDIO	0,708	9.347
DESV EST	0,0001	1,2866
DESV EST %	0,0002	0,00014

DateTime		01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
19-12-2019	10:49:29	0,70860	9.348,41
19-12-2019	11:01:28	0,70856	9.347,86
19-12-2019	11:13:23	0,70844	9.346,41
19-12-2019	11:25:24	0,70839	9.345,80
19-12-2019	11:37:24	0,70835	9.345,47
19-12-2019	11:49:23	0,70834	9.345,38



PROMEDIO	0,713	9.363
DESV EST	0,0115	39
DESV EST %	0,0161	0,00418

DateTime		01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
19-12-2019	12:13:28	0,70846	9.346,31
19-12-2019	12:25:28	0,70848	9.346,55
19-12-2019	12:37:23	0,70851	9.347,02
19-12-2019	12:49:26	0,73662	9.442,96
19-12-2019	13:01:25	0,70864	9.348,10
19-12-2019	13:13:26	0,70849	9.347,09



PROMEDIO	0,709	9.349
DESV EST	0,0001	1,2865
DESV EST %	0,0001	0,00014

<b>DateTime</b>		<b>01.CB1_Densidad del Gas [kg/m3]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m3]</b>
19-12-2019	13:49:24	0,70841	9.346,46
19-12-2019	14:01:26	0,70865	9.349,40
19-12-2019	14:13:26	0,70865	9.349,47
19-12-2019	14:25:26	0,70867	9.349,67
19-12-2019	14:37:25	0,70869	9.349,97
19-12-2019	14:49:22	0,70863	9.349,22



PROMEDIO	0,709	9.348
DESV EST	0,0001	0,9336
DESV EST %	0,0001	0,00010

DateTime		01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
19-12-2019	15:13:27	0,70861	9.348,97
19-12-2019	15:25:27	0,70857	9.348,38
19-12-2019	15:37:26	0,70855	9.348,24
19-12-2019	15:49:25	0,70855	9.348,18
19-12-2019	16:01:22	0,70846	9.347,24
19-12-2019	16:13:22	0,70839	9.346,36



PROMEDIO	0,708	9.343
DESV EST	0,0001	0,9692
DESV EST %	0,0001	0,00010

DateTime		01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
19-12-2019	16:49:27	0,70828	9.344,92
19-12-2019	17:01:23	0,70821	9.343,61
19-12-2019	17:13:21	0,70822	9.343,53
19-12-2019	17:25:26	0,70823	9.343,63
19-12-2019	17:37:28	0,70819	9.343,13
19-12-2019	17:49:22	0,70808	9.341,91



PROMEDIO	0,708	9.343
DESV EST	0,0001	1,3549
DESV EST %	0,0001	0,00015

DateTime		01.CB1_Densidad del Gas [kg/m3]	05.CB1_P.Cal.Sup. [Kcal/m3]
19-12-2019	18:13:21	0,70803	9.341,71
19-12-2019	18:25:22	0,70793	9.340,70
19-12-2019	18:37:25	0,70812	9.343,13
19-12-2019	18:49:26	0,70821	9.344,35
19-12-2019	19:01:22	0,70814	9.343,68
19-12-2019	19:13:21	0,70811	9.343,37



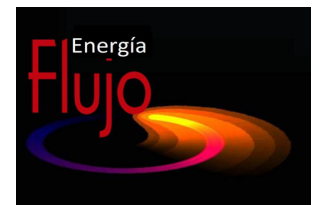
PROMEDIO	0,708	9.343
DESV EST	0,0000	0,4974
DESV EST %	0,0001	0,00005

<b>DateTime</b>		<b>01.CB1_Densidad del Gas [kg/m3]</b>	<b>05.CB1_P.Cal.Sup. [Kcal/m3]</b>
19-12-2019	19:49:22	0,70805	9.342,77
19-12-2019	20:01:23	0,70807	9.342,93
19-12-2019	20:13:23	0,70807	9.342,91
19-12-2019	20:25:22	0,70806	9.342,73
19-12-2019	20:37:25	0,70804	9.342,42
19-12-2019	20:49:26	0,70797	9.341,62



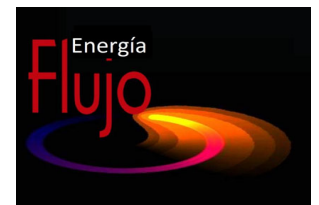


## A – 4 Protocolo de Mediciones



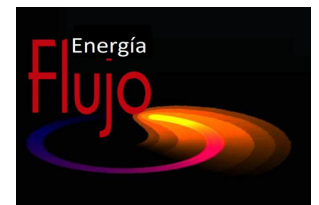
DATO	31	31	31	31	31	31
PROMEDIO	29,59	50,47	20,40	1003,19	957,59	15,49
DESV EST	0,0111	1,3070	0,4719	0,0542	0,3538	0,0236
DESV EST %						
MÁX	29,6152	51,9676	21,4005	1003,2769	958,2465	15,5382
MÍN	29,5775	47,2114	19,7338	1003,1033	957,0457	15,4514

DATE	Time	NG PRES 1 U/STR ESV 11MBP13CP101  XQ01 bar	HUMEDAD RELATIVA 11UMB10CM001 XQ01 XQ01 %	TEMPERATURA AMBIENTE 11UMB10CT001 XQ01 XQ01 CEL	PRESION ATMOSFERICA 11UMB10CP001 XQ01 XQ01 hPa	PRES U/STR COMPR 11MBA11CP101  XQ01 mBar/abs	PRES COMPR OUTLET 11MBA12CP101  XQ01 bar abs
18-12-2019 0:00	9:00:00	29,59	51,96	19,73	1.003,19	958,25	15,51
18-12-2019 0:00	9:01:00	29,58	51,64	19,83	1.003,19	958,25	15,53
18-12-2019 0:00	9:02:00	29,59	51,64	19,87	1.003,19	958,04	15,53
18-12-2019 0:00	9:03:00	29,58	51,64	19,87	1.003,19	958,04	15,52
18-12-2019 0:00	9:04:00	29,58	51,48	20,01	1.003,17	958,04	15,51
18-12-2019 0:00	9:05:00	29,58	50,80	20,12	1.003,17	958,04	15,48
18-12-2019 0:00	9:06:00	29,59	50,80	20,16	1.003,17	958,04	15,51
18-12-2019 0:00	9:07:00	29,58	50,80	20,16	1.003,17	957,86	15,48
18-12-2019 0:00	9:08:00	29,60	51,38	20,03	1.003,17	957,86	15,49
18-12-2019 0:00	9:09:00	29,58	51,75	19,92	1.003,15	957,86	15,52
18-12-2019 0:00	9:10:00	29,59	51,97	19,92	1.003,17	957,86	15,52
18-12-2019 0:00	9:11:00	29,59	51,97	19,92	1.003,15	957,62	15,50
18-12-2019 0:00	9:12:00	29,59	51,78	20,05	1.003,15	957,62	15,51
18-12-2019 0:00	9:13:00	29,59	51,31	20,14	1.003,15	957,62	15,51
18-12-2019 0:00	9:14:00	29,58	51,15	20,23	1.003,15	957,62	15,49
18-12-2019 0:00	9:15:00	29,58	51,15	20,34	1.003,10	957,41	15,54
18-12-2019 0:00	9:16:00	29,60	50,57	20,39	1.003,10	957,41	15,51
18-12-2019 0:00	9:17:00	29,59	50,57	20,43	1.003,15	957,41	15,50
18-12-2019 0:00	9:18:00	29,59	50,26	20,52	1.003,17	957,41	15,50
18-12-2019 0:00	9:19:00	29,60	49,99	20,62	1.003,17	957,41	15,48
18-12-2019 0:00	9:20:00	29,61	50,06	20,66	1.003,19	957,41	15,47
18-12-2019 0:00	9:21:00	29,61	49,99	20,68	1.003,26	957,41	15,46
18-12-2019 0:00	9:22:00	29,61	49,99	20,65	1.003,26	957,26	15,47
18-12-2019 0:00	9:23:00	29,61	49,99	20,72	1.003,28	957,26	15,46
18-12-2019 0:00	9:24:00	29,60	49,62	20,72	1.003,28	957,26	15,45
18-12-2019 0:00	9:25:00	29,61	49,62	20,75	1.003,28	957,26	15,47
18-12-2019 0:00	9:26:00	29,61	49,25	20,95	1.003,28	957,26	15,47
18-12-2019 0:00	9:27:00	29,60	48,76	21,05	1.003,26	957,26	15,48
18-12-2019 0:00	9:28:00	29,62	47,90	21,28	1.003,26	957,26	15,47
18-12-2019 0:00	9:29:00	29,61	47,46	21,40	1.003,28	957,05	15,47
18-12-2019 0:00	9:30:00	29,61	47,21	21,33	1.003,26	957,05	15,50



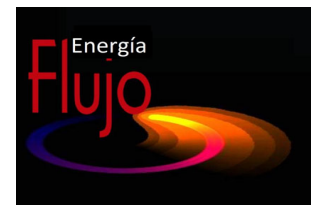
DATO	31	31	31	31	31	31	31	31
PROMEDIO	483,28	-0,1822	11,75	59.805,13	11,01	580,03	571,94	
DESV EST	1,4808	0,0367	0,0393	216,62	0,1544	0,3204	0,3126	
DESV EST %				0,003622132				
MÁX	486,8923	-0,0796	11,8301	60122,4400	11,3000	580,5000	572,4000	
MÍN	480,1649	-0,2894	11,6710	59385,9100	10,8000	579,7000	571,5000	

DATE	Time	DP C-C 11MBM10CP101  XQ01 mBar	PRES EXH GAS HRSG INL 11HNA10CP001  XQ01 mBAR	FG FLOW CALC 11EKD02FF901  XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B  XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901  ZQ01 °C	T HRSG INL DUCT 11MBR10CT001A  XQ01 °C	T HRSG INL DUCT 11MBR10CT002A  XQ01 °C
18-12-2019 0:00	9:00:00	483,77	-0,1899	11,78	59.925,01	10,80	579,70	571,60
18-12-2019 0:00	9:01:00	480,38	-0,1718	11,78	59.995,09	10,80	579,70	571,60
18-12-2019 0:00	9:02:00	480,60	-0,1863	11,78	59.918,60	10,80	579,70	571,60
18-12-2019 0:00	9:03:00	483,98	-0,1483	11,74	59.719,86	10,80	579,70	571,60
18-12-2019 0:00	9:04:00	484,37	-0,1519	11,80	60.049,58	10,80	579,70	571,60
18-12-2019 0:00	9:05:00	482,51	-0,1899	11,79	60.043,64	10,90	579,70	571,80
18-12-2019 0:00	9:06:00	482,51	-0,1935	11,71	59.563,06	10,90	579,90	571,90
18-12-2019 0:00	9:07:00	482,12	-0,1845	11,79	60.059,56	10,90	580,00	571,90
18-12-2019 0:00	9:08:00	482,12	-0,2224	11,78	59.951,98	10,90	580,00	571,90
18-12-2019 0:00	9:09:00	483,85	-0,2224	11,80	60.110,73	10,90	580,00	571,90
18-12-2019 0:00	9:10:00	483,38	-0,1863	11,83	60.016,12	10,90	579,80	571,70
18-12-2019 0:00	9:11:00	483,38	-0,2242	11,75	59.791,00	10,90	579,80	571,70
18-12-2019 0:00	9:12:00	483,38	-0,1483	11,67	59.385,91	10,90	579,80	571,70
18-12-2019 0:00	9:13:00	483,38	-0,1935	11,80	60.122,44	11,00	579,80	571,50
18-12-2019 0:00	9:14:00	483,38	-0,1700	11,78	59.851,69	11,00	579,80	571,70
18-12-2019 0:00	9:15:00	483,38	-0,1899	11,75	59.677,83	11,00	579,80	571,70
18-12-2019 0:00	9:16:00	483,38	-0,1139	11,72	59.654,13	11,00	579,80	571,80
18-12-2019 0:00	9:17:00	485,76	-0,2206	11,75	59.932,52	11,00	579,70	571,60
18-12-2019 0:00	9:18:00	484,20	-0,1573	11,73	59.698,72	11,10	579,70	571,80
18-12-2019 0:00	9:19:00	482,94	-0,1501	11,75	59.650,78	11,10	580,10	572,00
18-12-2019 0:00	9:20:00	482,94	-0,1845	11,71	59.686,18	11,10	580,10	572,00
18-12-2019 0:00	9:21:00	482,94	-0,0796	11,71	59.447,86	11,10	580,30	572,20
18-12-2019 0:00	9:22:00	482,94	-0,1700	11,72	59.455,14	11,10	580,50	572,40
18-12-2019 0:00	9:23:00	484,20	-0,1700	11,74	59.952,90	11,10	580,50	572,40
18-12-2019 0:00	9:24:00	482,12	-0,1845	11,72	59.832,56	11,20	580,50	572,40
18-12-2019 0:00	9:25:00	486,68	-0,1845	11,78	60.035,79	11,20	580,50	572,40
18-12-2019 0:00	9:26:00	480,16	-0,2170	11,79	59.849,53	11,20	580,50	572,40
18-12-2019 0:00	9:27:00	486,89	-0,2894	11,78	59.933,04	11,20	580,50	572,40
18-12-2019 0:00	9:28:00	483,38	-0,1863	11,69	59.461,93	11,20	580,40	572,40
18-12-2019 0:00	9:29:00	483,38	-0,1845	11,72	59.626,21	11,30	580,40	572,20
18-12-2019 0:00	9:30:00	483,38	-0,1845	11,71	59.559,56	11,30	580,40	572,20



DATO	31	31	31	31	31	31	31
PROMEDIO	573,12	574,07	573,62	574,17	49,96	212,29	
DESV EST	0,3381	0,3637	0,3226	0,3502	0,0433	0,6183	
DESV EST %							
MÁX	573,7000	574,7000	574,1000	574,7000	50,0346	213,8325	
MÍN	572,7000	573,8000	573,2000	573,7000	49,8792	211,1632	

DATE	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER
		11MBR10CT003A  XQ01	11MBR10CT004A  XQ01	11MBR10CT005A  XQ01	11MBR10CT006A  XQ01	11MBY10CS901  ZQ11	11MBY10CE901  XQ01
		°C	°C	°C	°C	s-1	MW
18-12-2019 0:00	9:00:00	572,80	573,80	573,20	573,70	49,99	212,07
18-12-2019 0:00	9:01:00	572,80	573,80	573,20	573,70	49,91	213,14
18-12-2019 0:00	9:02:00	572,90	573,80	573,20	573,70	49,99	212,20
18-12-2019 0:00	9:03:00	572,70	573,80	573,20	573,70	49,91	213,62
18-12-2019 0:00	9:04:00	572,90	573,80	573,20	573,70	49,93	212,83
18-12-2019 0:00	9:05:00	572,90	573,80	573,20	573,90	49,88	212,86
18-12-2019 0:00	9:06:00	573,10	573,80	573,50	573,90	49,95	212,49
18-12-2019 0:00	9:07:00	573,10	573,80	573,50	573,90	49,90	212,23
18-12-2019 0:00	9:08:00	573,00	573,80	573,50	574,10	49,91	212,12
18-12-2019 0:00	9:09:00	573,00	573,80	573,50	574,10	49,96	213,83
18-12-2019 0:00	9:10:00	572,90	573,80	573,50	574,10	49,99	212,60
18-12-2019 0:00	9:11:00	572,90	573,80	573,50	574,10	50,01	212,27
18-12-2019 0:00	9:12:00	572,70	573,80	573,50	574,10	49,98	211,53
18-12-2019 0:00	9:13:00	572,70	573,80	573,50	574,10	49,97	213,22
18-12-2019 0:00	9:14:00	572,90	573,80	573,50	574,10	50,02	211,90
18-12-2019 0:00	9:15:00	572,90	573,90	573,50	574,00	50,03	212,25
18-12-2019 0:00	9:16:00	572,90	573,90	573,50	574,00	50,03	212,18
18-12-2019 0:00	9:17:00	572,90	573,90	573,50	574,00	49,98	212,42
18-12-2019 0:00	9:18:00	572,80	573,90	573,50	574,00	49,96	213,16
18-12-2019 0:00	9:19:00	573,00	573,90	573,50	574,00	50,01	212,01
18-12-2019 0:00	9:20:00	573,20	573,90	573,50	574,40	49,95	211,66
18-12-2019 0:00	9:21:00	573,40	574,40	573,90	574,40	49,88	212,12
18-12-2019 0:00	9:22:00	573,60	574,40	573,90	574,40	49,95	211,55
18-12-2019 0:00	9:23:00	573,60	574,40	573,90	574,40	49,94	212,03
18-12-2019 0:00	9:24:00	573,60	574,40	574,10	574,70	49,93	211,16
18-12-2019 0:00	9:25:00	573,60	574,70	574,10	574,70	49,96	212,25
18-12-2019 0:00	9:26:00	573,70	574,70	574,10	574,70	49,98	211,66
18-12-2019 0:00	9:27:00	573,70	574,70	574,10	574,70	50,00	211,99
18-12-2019 0:00	9:28:00	573,50	574,70	574,10	574,70	49,94	212,01
18-12-2019 0:00	9:29:00	573,50	574,70	574,10	574,70	49,93	211,68
18-12-2019 0:00	9:30:00	573,50	574,60	574,10	574,70	50,02	212,01



DATO	31	31	31	31	31	31
PROMEDIO	15,95	8,01	8,02	8,04	0,95	775,00
DESV EST	0,0013	0,0523	0,0510	0,0557	0,0050	8,7503
DESV EST %						
MÁX	15,9515	8,0952	8,1175	8,1191	0,9553	789,3555
MÍN	15,9481	7,9186	7,9281	7,9226	0,9407	760,7422

DATE	Time	GEN VOLTAGE L1-L2		GEN CURRENT L1		GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR	EXC CURRENT
		11MKA01CE001A XQ01 XQ01	11MKA01CE002A XQ01 XQ01	11MKA01CE002B XQ01 XQ01	11MKA01CE002C XQ01 XQ01	11MKC01DE503  ZQ01	11MKC01EU001  ZQ01				
		kV	kA	kA	kA	CAP/IND	A				
18-12-2019 0:00	9:00:00	15,95	8,03	8,03	8,00	0,95	778,42				
18-12-2019 0:00	9:01:00	15,95	8,08	8,05	8,11	0,94	784,86				
18-12-2019 0:00	9:02:00	15,95	8,03	8,08	8,08	0,94	781,93				
18-12-2019 0:00	9:03:00	15,95	8,10	8,06	8,08	0,94	781,93				
18-12-2019 0:00	9:04:00	15,95	8,03	8,09	8,09	0,94	784,67				
18-12-2019 0:00	9:05:00	15,95	8,03	8,07	8,09	0,94	784,67				
18-12-2019 0:00	9:06:00	15,95	8,08	8,07	8,09	0,94	784,67				
18-12-2019 0:00	9:07:00	15,95	8,06	8,07	8,09	0,94	789,36				
18-12-2019 0:00	9:08:00	15,95	8,06	8,12	8,10	0,94	783,98				
18-12-2019 0:00	9:09:00	15,95	8,06	8,07	8,10	0,94	780,47				
18-12-2019 0:00	9:10:00	15,95	8,06	8,08	8,10	0,94	788,57				
18-12-2019 0:00	9:11:00	15,95	8,04	8,08	8,12	0,94	785,35				
18-12-2019 0:00	9:12:00	15,95	8,04	8,03	8,07	0,95	772,27				
18-12-2019 0:00	9:13:00	15,95	8,04	8,03	8,05	0,95	772,27				
18-12-2019 0:00	9:14:00	15,95	7,98	8,02	8,05	0,95	772,95				
18-12-2019 0:00	9:15:00	15,95	8,03	8,02	8,03	0,95	772,95				
18-12-2019 0:00	9:16:00	15,95	7,97	8,04	8,05	0,95	776,46				
18-12-2019 0:00	9:17:00	15,95	8,02	8,02	8,05	0,95	773,14				
18-12-2019 0:00	9:18:00	15,95	8,01	8,07	8,04	0,95	782,03				
18-12-2019 0:00	9:19:00	15,95	7,92	7,96	8,00	0,95	772,17				
18-12-2019 0:00	9:20:00	15,95	7,96	7,98	8,00	0,95	772,17				
18-12-2019 0:00	9:21:00	15,95	7,96	7,98	8,00	0,95	768,75				
18-12-2019 0:00	9:22:00	15,95	7,96	7,98	7,98	0,95	768,75				
18-12-2019 0:00	9:23:00	15,95	8,01	8,02	7,98	0,95	768,75				
18-12-2019 0:00	9:24:00	15,95	7,98	7,99	7,99	0,95	768,75				
18-12-2019 0:00	9:25:00	15,95	7,93	7,98	7,94	0,96	764,36				
18-12-2019 0:00	9:26:00	15,95	7,93	7,99	7,92	0,96	762,99				
18-12-2019 0:00	9:27:00	15,95	7,93	7,93	7,98	0,96	762,99				
18-12-2019 0:00	9:28:00	15,95	7,93	7,97	7,97	0,96	762,99				
18-12-2019 0:00	9:29:00	15,95	8,01	7,93	8,03	0,96	760,74				
18-12-2019 0:00	9:30:00	15,95	7,92	7,93	7,95	0,96	760,74				



DATO	31	31	31	31
PROMEDIO	0,61	6,73	101,87	211,68
DESV EST	0,0102	0,0012	0,8492	0,6180
DESV EST %				
MÁX	0,6323	6,7296	102,9731	213,2539
MÍN	0,6003	6,7242	100,3689	210,4390

DATE	Time	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2	UNIT LOAD SETPOINT GT
		11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A	11CJA00DE100 XQ95 MW
18-12-2019 0:00	9:00:00	0,63	6,73	102,97	212,11
18-12-2019 0:00	9:01:00	0,63	6,73	102,97	212,18
18-12-2019 0:00	9:02:00	0,63	6,73	101,78	212,18
18-12-2019 0:00	9:03:00	0,63	6,73	101,78	213,25
18-12-2019 0:00	9:04:00	0,63	6,73	101,78	212,07
18-12-2019 0:00	9:05:00	0,63	6,72	102,81	211,45
18-12-2019 0:00	9:06:00	0,63	6,73	102,81	211,79
18-12-2019 0:00	9:07:00	0,61	6,73	102,81	212,13
18-12-2019 0:00	9:08:00	0,61	6,73	102,81	210,71
18-12-2019 0:00	9:09:00	0,61	6,73	102,81	212,25
18-12-2019 0:00	9:10:00	0,61	6,73	102,81	212,67
18-12-2019 0:00	9:11:00	0,63	6,73	102,81	211,27
18-12-2019 0:00	9:12:00	0,63	6,73	102,81	211,31
18-12-2019 0:00	9:13:00	0,60	6,73	102,81	212,32
18-12-2019 0:00	9:14:00	0,60	6,73	102,81	212,13
18-12-2019 0:00	9:15:00	0,60	6,73	101,35	211,71
18-12-2019 0:00	9:16:00	0,60	6,73	101,35	211,42
18-12-2019 0:00	9:17:00	0,62	6,73	101,35	211,25
18-12-2019 0:00	9:18:00	0,60	6,73	101,35	212,49
18-12-2019 0:00	9:19:00	0,60	6,73	101,35	211,25
18-12-2019 0:00	9:20:00	0,60	6,73	101,35	211,15
18-12-2019 0:00	9:21:00	0,61	6,73	101,35	210,60
18-12-2019 0:00	9:22:00	0,61	6,73	101,35	211,35
18-12-2019 0:00	9:23:00	0,61	6,73	101,35	211,87
18-12-2019 0:00	9:24:00	0,61	6,73	101,35	210,44
18-12-2019 0:00	9:25:00	0,61	6,73	101,35	211,18
18-12-2019 0:00	9:26:00	0,61	6,73	101,35	211,54
18-12-2019 0:00	9:27:00	0,61	6,73	101,35	211,79
18-12-2019 0:00	9:28:00	0,61	6,73	100,37	211,41
18-12-2019 0:00	9:29:00	0,61	6,73	100,37	211,34
18-12-2019 0:00	9:30:00	0,61	6,73	100,37	211,48



		31	31	31	31	31	31	31
		PROMEDIO	43,59	23,99	1003,18	955,54	15,08	476,23
		DESVEST	0,8496	0,1700	0,1327	0,3571	0,0142	1,5693
		DESVEST %						
		MÁX	45,1461	24,3490	1003,3854	956,1776	15,1006	480,3819
		MÍN	42,2092	23,6516	1002,9948	955,1071	15,0409	472,4392
		NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
DATE	Time	11MBP13CP101 XQ01	11UMB10CM001 XQ01 XQ01	11UMB10CT001 XQ01 XQ01	11UMB10CP001 XQ01 XQ01	11MBA11CP101 XQ01	11MBA12CP101 XQ01	11MBM10CP101 XQ01
		bar	%	CEL	hPa	mBar/abs	bar abs	mBar
18-12-2019 0:00	10:15:00	29,78588	45,146122	23,651619	1003,3637	956,1776	15,087891	477,56076
18-12-2019 0:00	10:16:00	29,777199	44,654224	23,758678	1003,3854	955,9751	15,095124	476,9097
18-12-2019 0:00	10:17:00	29,774305	44,093605	23,82523	1003,3854	955,9751	15,091507	476,9097
18-12-2019 0:00	10:18:00	29,780092	44,093605	23,897568	1003,3854	955,9751	15,064381	472,4392
18-12-2019 0:00	10:19:00	29,78588	43,57639	24,033562	1003,3637	955,9751	15,067997	476,12845
18-12-2019 0:00	10:20:00	29,774305	44,209347	24,091434	1003,3637	955,9751	15,091507	476,04166
18-12-2019 0:00	10:21:00	29,774305	43,57639	24,091434	1003,27686	955,9751	15,091507	476,04166
18-12-2019 0:00	10:22:00	29,777199	43,952545	24,091434	1003,2986	955,9751	15,087891	476,04166
18-12-2019 0:00	10:23:00	29,791666	44,96528	24,059605	1003,27686	955,9751	15,048104	476,04166
18-12-2019 0:00	10:24:00	29,79456	44,96528	24,059605	1003,2986	955,6134	15,082465	476,04166
18-12-2019 0:00	10:25:00	29,782986	44,08999	24,076965	1003,2552	955,6134	15,069806	476,04166
18-12-2019 0:00	10:26:00	29,791666	43,710213	24,097221	1003,27686	955,6134	15,082465	476,04166
18-12-2019 0:00	10:27:00	29,782986	43,710213	23,99884	1003,19006	955,6134	15,067997	475,95483
18-12-2019 0:00	10:28:00	29,782986	43,710213	23,969906	1003,19006	955,6134	15,058955	472,56943
18-12-2019 0:00	10:29:00	29,782986	44,23828	23,952545	1003,14667	955,6134	15,058955	475,0868
18-12-2019 0:00	10:30:00	29,777199	44,2636	24,004627	1003,1684	955,6134	15,080657	475,0868
18-12-2019 0:00	10:31:00	29,791666	43,75	24,068287	1003,1684	955,6134	15,0860815	477,73434
18-12-2019 0:00	10:32:00	29,78588	42,86024	24,184025	1003,1684	955,353	15,066189	476,8663
18-12-2019 0:00	10:33:00	29,780092	42,2092	24,348957	1003,1033	955,353	15,0860815	479,38367
18-12-2019 0:00	10:34:00	29,788773	42,2092	24,348957	1003,0599	955,353	15,10055	477,90796
18-12-2019 0:00	10:35:00	29,809027	42,353878	24,184025	1003,0599	955,353	15,0625725	476,8229
18-12-2019 0:00	10:36:00	29,78588	42,353878	24,071178	1003,0599	955,353	15,087891	476,8229
18-12-2019 0:00	10:37:00	29,780092	42,94343	23,938076	1003,0599	955,10706	15,07704	476,8229
18-12-2019 0:00	10:38:00	29,79456	42,523872	23,912037	1003,0382	955,10706	15,075232	476,8229
18-12-2019 0:00	10:39:00	29,78588	42,831306	23,859951	1003,0382	955,10706	15,0625725	476,8229
18-12-2019 0:00	10:40:00	29,78588	43,601707	23,816551	1003,0382	955,10706	15,078848	475,1302
18-12-2019 0:00	10:41:00	29,800346	43,601707	23,764465	1003,08154	955,10706	15,040871	475,1302
18-12-2019 0:00	10:42:00	29,780092	43,86574	23,70081	1003,0599	955,10706	15,060763	475,1302
18-12-2019 0:00	10:43:00	29,777199	44,14424	23,738426	1003,0382	955,10706	15,073422	475,1302
18-12-2019 0:00	10:44:00	29,791666	42,831306	23,969906	1002,99475	955,10706	15,071614	475,1302
18-12-2019 0:00	10:45:00	29,782986	42,321323	23,969906	1002,99475	955,10706	15,073422	480,38193



		31	31	31	31	31	31	31
DATO		PROMEDIO	DESVEST	DESVEST %	MÁX	MÍN		
		-0,19	0,0455		-0,0814	-0,2857		
		11,36	0,0368		11,4198	11,2713		
		57783,21	168,2428		58188,8870	57413,5820		
		12,15	0,1060		12,3000	12,0000		
		578,26	0,6036		579,3000	577,1000		
		569,74	0,6233		570,9000	568,5000		
		571,04	0,6302		572,2000	569,7000		
DATE	Time	PRES EXH GAS HRSGL INL 11HNA10CP001 XQ01 mBAR	FG FLOW CALC 11EKD02FF901 XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901 ZQ01 °C	T HRSGL INL DUCT 11MBR10CT001A XQ01 °C	T HRSGL INL DUCT 11MBR10CT002A XQ01 °C	T HRSGL INL DUCT 11MBR10CT003A XQ01 °C
18-12-2019 0:00	10:15:00	-0,2567998	11,315634	57413,582	12	577,10004	568,5	569,7
18-12-2019 0:00	10:16:00	-0,1790365	11,3256645	57628,82	12	577,3	568,7	569,9
18-12-2019 0:00	10:17:00	-0,1790365	11,366997	57883,54	12	577,7	569,10004	570,3
18-12-2019 0:00	10:18:00	-0,1537182	11,395625	57738,688	12	577,9	569,5	570,5
18-12-2019 0:00	10:19:00	-0,1537182	11,367018	57667,15	12	578,7	570,10004	571,3
18-12-2019 0:00	10:20:00	-0,1428675	11,370647	57912,566	12	578,3	569,9	571,10004
18-12-2019 0:00	10:21:00	-0,2224392	11,409906	58188,887	12	578,3	569,7	571,10004
18-12-2019 0:00	10:22:00	-0,1844618	11,364434	57927,75	12,100006	578,10004	569,7	570,9
18-12-2019 0:00	10:23:00	-0,1519097	11,308652	57713,95	12,100006	578,3	569,9	571,10004
18-12-2019 0:00	10:24:00	-0,0813802	11,394051	57764,66	12,100006	577,9	569,5	570,9
18-12-2019 0:00	10:25:00	-0,285735	11,391085	57888,633	12,100006	578	569,5	570,7
18-12-2019 0:00	10:26:00	-0,2242477	11,355978	57764,758	12,100006	578,2	569,7	571,10004
18-12-2019 0:00	10:27:00	-0,2152054	11,355055	57869,816	12,100006	578,4	569,9	571,3
18-12-2019 0:00	10:28:00	-0,1591435	11,369602	58069,15	12,100006	579	570,5	571,7
18-12-2019 0:00	10:29:00	-0,2513744	11,310117	57646,48	12,100006	579,3	570,7	571,9
18-12-2019 0:00	10:30:00	-0,229673	11,38558	57842,637	12,100006	579,3	570,9	572,2
18-12-2019 0:00	10:31:00	-0,1501013	11,272535	57563,516	12,199997	578,5	570,10004	571,4
18-12-2019 0:00	10:32:00	-0,1862703	11,382528	57734,207	12,199997	578,5	569,9	571,2
18-12-2019 0:00	10:33:00	-0,1844618	11,379592	57660,83	12,199997	578,5	569,9	571,4
18-12-2019 0:00	10:34:00	-0,1790365	11,373568	57860,625	12,199997	577,9	569,3	570,60004
18-12-2019 0:00	10:35:00	-0,2586082	11,348232	57743,656	12,199997	577,5	568,9	570,2
18-12-2019 0:00	10:36:00	-0,1482928	11,419837	58008,062	12,199997	577,7	569,10004	570,60004
18-12-2019 0:00	10:37:00	-0,1790365	11,35717	57658,06	12,199997	577,60004	569	570,4
18-12-2019 0:00	10:38:00	-0,2604167	11,271333	57446,605	12,199997	577,8	569,2	570,60004
18-12-2019 0:00	10:39:00	-0,1790365	11,326527	57750,06	12,199997	577,60004	569,2	570,60004
18-12-2019 0:00	10:40:00	-0,1844618	11,368832	57789,78	12,300003	578	569,4	570,8
18-12-2019 0:00	10:41:00	-0,2079716	11,320832	57649,13	12,300003	578,60004	570,2	571,4
18-12-2019 0:00	10:42:00	-0,1501013	11,371957	57864,375	12,300003	579,2	570,60004	572
18-12-2019 0:00	10:43:00	-0,2152054	11,39949	58004,473	12,300003	579,2	570,7	572,10004
18-12-2019 0:00	10:44:00	-0,2224392	11,351988	57856,082	12,300003	579	570,5	571,7
18-12-2019 0:00	10:45:00	-0,2586082	11,328663	57768,83	12,300003	578,8	570,2	571,60004





DATO	31	31	31	31	31	31	31	31
PROMEDIO	572,09	572,00	572,86	49,99	204,00	15,95	7,73	
DESV EST	0,6513	0,6483	0,6657	0,0425	0,4959	0,0000	0,0257	
DESV EST %								
MÁX	573,1000	573,1000	573,9000	50,0564	204,8915	15,9502	7,7853	
MÍN	570,6000	570,9000	571,6000	49,8807	202,8950	15,9502	7,6715	

DATE	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
18-12-2019 0:00	10:15:00	570,60004	570,9	571,60004	50,030987	204,69617	15,950159	7,711697
18-12-2019 0:00	10:16:00	571,10004	570,9	571,60004	50,040226	203,39409	15,950159	7,7272134
18-12-2019 0:00	10:17:00	571,10004	570,9	571,60004	50,056362	204,30554	15,950159	7,723633
18-12-2019 0:00	10:18:00	571,10004	570,9	572,5	49,885357	204,24045	15,950159	7,723633
18-12-2019 0:00	10:19:00	572,10004	571,9	572,5	49,94435	204,00172	15,950159	7,6858363
18-12-2019 0:00	10:20:00	572,10004	571,9	573,10004	49,99941	204,34895	15,950159	7,7128906
18-12-2019 0:00	10:21:00	572,10004	571,9	573,10004	50,040016	204,82639	15,950159	7,671513
18-12-2019 0:00	10:22:00	572,10004	571,9	573,10004	50,00393	204,37065	15,950159	7,7216434
18-12-2019 0:00	10:23:00	572,10004	572,10004	572,9	49,939457	202,89496	15,950159	7,6898146
18-12-2019 0:00	10:24:00	572,10004	572,10004	572,9	49,978825	203,89322	15,950159	7,7136865
18-12-2019 0:00	10:25:00	572,10004	572,10004	572,9	49,998917	204,39235	15,950159	7,7136865
18-12-2019 0:00	10:26:00	572,10004	572,10004	572,9	50,02342	203,74132	15,950159	7,7136865
18-12-2019 0:00	10:27:00	572	572,10004	572,9	50,00338	203,89322	15,950159	7,7634187
18-12-2019 0:00	10:28:00	572,9	572,10004	572,9	50,007324	203,89322	15,950159	7,731192
18-12-2019 0:00	10:29:00	572,9	573	573,9	49,96104	204,60936	15,950159	7,731192
18-12-2019 0:00	10:30:00	572,9	573	573,9	50,015957	203,26389	15,950159	7,731192
18-12-2019 0:00	10:31:00	572,9	573	573,9	50,018272	204,02342	15,950159	7,731192
18-12-2019 0:00	10:32:00	572,3	572,3	573,10004	49,967968	204,89148	15,950159	7,731192
18-12-2019 0:00	10:33:00	572,3	572,3	573,10004	50,002914	204,06683	15,950159	7,731192
18-12-2019 0:00	10:34:00	572,3	571,60004	572,5	50,00046	203,5677	15,950159	7,7347727
18-12-2019 0:00	10:35:00	571,60004	571,60004	572,5	49,99046	203,28558	15,950159	7,7347727
18-12-2019 0:00	10:36:00	571,60004	571,60004	572,5	50,029915	203,6328	15,950159	7,733579
18-12-2019 0:00	10:37:00	571,60004	571,60004	572,2	50,012062	203,93663	15,950159	7,733579
18-12-2019 0:00	10:38:00	571,60004	571,5	572,2	49,999363	203,93663	15,950159	7,7272134
18-12-2019 0:00	10:39:00	571,60004	571,5	572,2	49,938286	204,04514	15,950159	7,7574506
18-12-2019 0:00	10:40:00	571,5	571,5	572,7	49,92987	204,67447	15,950159	7,7574506
18-12-2019 0:00	10:41:00	572,4	572,4	572,7	49,880653	203,06857	15,950159	7,7574506
18-12-2019 0:00	10:42:00	572,4	572,4	573,5	49,95377	203,95833	15,950159	7,7574506
18-12-2019 0:00	10:43:00	573,10004	573,10004	573,5	49,99609	203,80641	15,950159	7,7753544
18-12-2019 0:00	10:44:00	573,10004	573,10004	573,9	49,97018	204,17534	15,950159	7,7753544
18-12-2019 0:00	10:45:00	573,10004	572,60004	573,9	49,96692	204,08853	15,950159	7,7853007



		31		31		31		31		31	
		7,74		7,76		0,94		760,39		0,61	
		0,0249		0,0264		0,0029		4,3697		0,0130	
		7,7968		7,8159		0,9456		768,1641		0,6294	
		7,7137		7,7053		0,9371		753,6133		0,5861	
		GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR		EXC CURRENT		U AUX ACTIVE POWER	
DATE	Time	11MKA01CE002B XQ01 XQ01		11MKA01CE002C XQ01 XQ01		11MKC01DE503  ZQ01		11MKC01EU001  ZQ01		11BBT01CE003 XQ01 XQ01	
		kA		kA		CAP/IND		A		MW	
										KV	
18-12-2019 0:00	10:15:00		7,717267		7,750687		0,9455566		755,0781		6,7284865
18-12-2019 0:00	10:16:00		7,717267		7,7053313		0,9455566		760,4492		6,727058
18-12-2019 0:00	10:17:00		7,717267		7,7471066		0,9455566		754,8828		6,727058
18-12-2019 0:00	10:18:00		7,717267		7,7471066		0,9455566		756,0547		6,727058
18-12-2019 0:00	10:19:00		7,717267		7,7483		0,9455566		756,0547		6,727058
18-12-2019 0:00	10:20:00		7,717267		7,7483		0,9455566		756,0547		6,727058
18-12-2019 0:00	10:21:00		7,7136865		7,743128		0,9455566		756,0547		6,727058
18-12-2019 0:00	10:22:00		7,7136865		7,743128		0,9455566		756,0547		6,727058
18-12-2019 0:00	10:23:00		7,7136865		7,719654		0,9455566		753,6133		6,727058
18-12-2019 0:00	10:24:00		7,7136865		7,744719		0,9455566		755,8594		6,729058
18-12-2019 0:00	10:25:00		7,7136865		7,744719		0,9455566		758,8867		6,726486
18-12-2019 0:00	10:26:00		7,72045		7,744719		0,9455566		758,8867		6,726486
18-12-2019 0:00	10:27:00		7,7483		7,7705803		0,9429321		758,8867		6,726486
18-12-2019 0:00	10:28:00		7,721246		7,7630205		0,9429321		758,8867		6,726486
18-12-2019 0:00	10:29:00		7,740741		7,7630205		0,9429321		759,375		6,727629
18-12-2019 0:00	10:30:00		7,740741		7,7069225		0,9429321		759,375		6,727629
18-12-2019 0:00	10:31:00		7,740741		7,770182		0,9429321		759,5703		6,7256293
18-12-2019 0:00	10:32:00		7,740741		7,7582464		0,9429321		759,5703		6,727058
18-12-2019 0:00	10:33:00		7,740741		7,7582464		0,9429321		757,6172		6,727058
18-12-2019 0:00	10:34:00		7,740741		7,793258		0,9395142		762,3047		6,727058
18-12-2019 0:00	10:35:00		7,76501		7,778935		0,9395142		762,3047		6,726486
18-12-2019 0:00	10:36:00		7,770182		7,778935		0,9414673		761,03516		6,726486
18-12-2019 0:00	10:37:00		7,7463107		7,7550635		0,9414673		765,625		6,726486
18-12-2019 0:00	10:38:00		7,7463107		7,768591		0,9414673		762,9883		6,726486
18-12-2019 0:00	10:39:00		7,7753544		7,768591		0,9403687		762,9883		6,725343
18-12-2019 0:00	10:40:00		7,756655		7,815936		0,9403687		766,7969		6,725343
18-12-2019 0:00	10:41:00		7,7968388		7,779333		0,9370728		766,7969		6,7267723
18-12-2019 0:00	10:42:00		7,7753544		7,809968		0,9370728		766,7969		6,7267723
18-12-2019 0:00	10:43:00		7,7753544		7,7813225		0,9370728		766,7969		6,7267723
18-12-2019 0:00	10:44:00		7,7753544		7,812753		0,9393921		768,16406		6,7267723
18-12-2019 0:00	10:45:00		7,772569		7,7614293		0,9393921		768,16406		6,7267723



DATO	31	31
PROMEDIO	101,43	203,31
DESV EST	0,5338	0,5935
DESV EST %		
MÁX	102,5391	204,3180
MÍN	100,4774	201,7563

DATE	Time	MV INC FDR CUR L2 11BBT01CE102 XQ01 XQ01 A	UNIT LOAD SETPOINT GT 11CJA00DE100 XQ95 MW
18-12-2019 0:00	10:15:00	100,47743	204,22134
18-12-2019 0:00	10:16:00	101,83377	202,80957
18-12-2019 0:00	10:17:00	101,83377	202,91428
18-12-2019 0:00	10:18:00	101,83377	204,21516
18-12-2019 0:00	10:19:00	100,802956	203,23657
18-12-2019 0:00	10:20:00	100,802956	204,318
18-12-2019 0:00	10:21:00	100,802956	204,17972
18-12-2019 0:00	10:22:00	100,802956	203,58038
18-12-2019 0:00	10:23:00	100,802956	201,75629
18-12-2019 0:00	10:24:00	100,802956	202,96886
18-12-2019 0:00	10:25:00	100,802956	202,62611
18-12-2019 0:00	10:26:00	100,802956	203,18536
18-12-2019 0:00	10:27:00	100,802956	203,29921
18-12-2019 0:00	10:28:00	100,802956	203,10152
18-12-2019 0:00	10:29:00	101,99653	203,04472
18-12-2019 0:00	10:30:00	101,99653	203,22284
18-12-2019 0:00	10:31:00	101,99653	203,33337
18-12-2019 0:00	10:32:00	101,99653	203,61786
18-12-2019 0:00	10:33:00	101,99653	203,81767
18-12-2019 0:00	10:34:00	101,61676	203,05421
18-12-2019 0:00	10:35:00	101,61676	202,70166
18-12-2019 0:00	10:36:00	101,61676	203,24478
18-12-2019 0:00	10:37:00	101,61676	202,9145
18-12-2019 0:00	10:38:00	101,61676	203,1868
18-12-2019 0:00	10:39:00	101,61676	204,16904
18-12-2019 0:00	10:40:00	101,61676	204,25288
18-12-2019 0:00	10:41:00	101,61676	203,06856
18-12-2019 0:00	10:42:00	101,61676	203,29007
18-12-2019 0:00	10:43:00	101,61676	202,564
18-12-2019 0:00	10:44:00	101,61676	203,01175
18-12-2019 0:00	10:45:00	102,53906	203,78825



DATO		31	31	31	31	31	31	31	31
PROMEDIO		29,87	43,08	24,13	1003,11	953,71	14,52	458,22	458,22
DESV EST		0,0172	1,7514	0,5129	0,0319	0,2318	0,0221	2,3960	2,3960
DESV EST %									
MÁX		29,9306	45,7899	24,8582	1003,1901	954,1666	14,5652	467,6649	467,6649
MÍN		29,8466	39,9486	23,1800	1003,0599	953,2841	14,4803	455,3385	455,3385
DATE	Time	NG PRES 1 U/STR ESV 11MBP13CP101 XQ01 bar	HUMEDAD RELATIVA 11UMB10CM001 XQ01 XQ01 %	TEMPERATURA AMBIENTE 11UMB10CT001 XQ01 XQ01 CEL	PRESION ATMOSFERICA 11UMB10CP001 XQ01 XQ01 hPa	PRES U/STR COMPR 11MBA11CP101 XQ01 mBar/abs	PRES COMPR OUTLET 11MBA12CP101 XQ01 bar abs	DP C-C 11MBM10CP101 XQ01 mBar	
18-12-2019 0:00	11:30:00	29,904512	39,94864	24,797451	1003,08154	954,1666	14,487485	458,59372	
18-12-2019 0:00	11:31:00	29,898726	40,299477	24,667244	1003,14667	954,1666	14,554398	467,66492	
18-12-2019 0:00	11:32:00	29,930555	40,98669	24,510994	1003,1033	954,1666	14,5652485	461,58853	
18-12-2019 0:00	11:33:00	29,890045	41,561775	24,453125	1003,08154	954,1666	14,51642	458,81076	
18-12-2019 0:00	11:34:00	29,869791	42,086227	24,429974	1003,08154	953,86285	14,509187	459,4618	
18-12-2019 0:00	11:35:00	29,864004	42,22005	24,429974	1003,08154	953,86285	14,523654	455,42532	
18-12-2019 0:00	11:36:00	29,85243	41,96687	24,302662	1003,08154	953,86285	14,538122	458,81076	
18-12-2019 0:00	11:37:00	29,875578	43,02662	24,149303	1003,14667	953,86285	14,538122	458,81076	
18-12-2019 0:00	11:38:00	29,858217	43,601707	24,071178	1003,1033	953,86285	14,514612	458,81076	
18-12-2019 0:00	11:39:00	29,86111	43,117043	24,302662	1003,1033	953,86285	14,5417385	458,46353	
18-12-2019 0:00	11:40:00	29,858217	42,201965	24,461803	1003,1033	953,86285	14,51642	458,46353	
18-12-2019 0:00	11:41:00	29,86111	42,791523	24,589119	1003,0599	953,6458	14,523654	456,85764	
18-12-2019 0:00	11:42:00	29,855324	42,41898	24,693287	1003,0599	953,6458	14,527271	456,85764	
18-12-2019 0:00	11:43:00	29,864004	42,039207	24,756943	1003,08154	953,6458	14,534505	457,37845	
18-12-2019 0:00	11:44:00	29,858217	40,549046	24,858215	1003,1033	953,6458	14,523654	457,37845	
18-12-2019 0:00	11:45:00	29,875578	40,842014	24,742474	1003,1033	953,6458	14,534505	459,9392	
18-12-2019 0:00	11:46:00	29,858217	41,34476	24,539928	1003,1033	953,6458	14,554398	457,8993	
18-12-2019 0:00	11:47:00	29,864004	41,80049	24,291088	1003,08154	953,6458	14,543548	461,5017	
18-12-2019 0:00	11:48:00	29,858217	43,077255	23,961224	1003,08154	953,6458	14,532697	458,46353	
18-12-2019 0:00	11:49:00	29,864004	43,992332	23,695023	1003,0599	953,6458	14,556207	458,46353	
18-12-2019 0:00	11:50:00	29,864004	45,0774	23,532986	1003,1033	953,6458	14,509187	457,59546	
18-12-2019 0:00	11:51:00	29,869791	45,45356	23,301502	1003,1033	953,50116	14,498336	455,55554	
18-12-2019 0:00	11:52:00	29,866898	45,78993	23,179974	1003,14667	953,50116	14,512804	455,59894	
18-12-2019 0:00	11:53:00	29,875578	45,540363	23,206017	1003,14667	953,50116	14,505569	455,33853	
18-12-2019 0:00	11:54:00	29,875578	45,540363	23,278355	1003,14667	953,50116	14,480251	455,94617	
18-12-2019 0:00	11:55:00	29,858217	45,109955	23,51273	1003,19006	953,50116	14,509187	455,94617	
18-12-2019 0:00	11:56:00	29,85243	44,92549	23,66898	1003,1684	953,50116	14,491102	458,46353	
18-12-2019 0:00	11:57:00	29,869791	44,66869	23,787613	1003,1033	953,50116	14,4947195	458,59372	
18-12-2019 0:00	11:58:00	29,846643	44,66869	23,883099	1003,1033	953,50116	14,559823	458,42014	
18-12-2019 0:00	11:59:00	29,866898	44,66869	23,990162	1003,1033	953,50116	14,538122	458,42014	
18-12-2019 0:00	12:00:00	29,855324	44,133392	24,114582	1003,1033	953,2841	14,530888	455,33853	



DATO		31	31	31	31	31	31	31
PROMEDIO		-0,2315	10,94	55.639,44	13,49	579,74	570,22	570,74
DESV EST		0,0887	0,0304	162,24	0,1620	0,7397	0,7170	0,6859
DESV EST %				0,002915952				
MÁX		-0,1139	10,9933	55857,1400	13,8000	581,0000	571,4000	571,9000
MÍN		-0,5100	10,8704	55312,2300	13,2000	577,7000	568,2000	568,8000
DATE	Time	PRES EXH GAS HRSG INL 11HNA10CP001  XQ01 mBAR	FG FLOW CALC 11EKD02FF901  XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B  XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901  ZQ01 °C	T HRSG INL DUCT 11MBR10CT001A  XQ01 °C	T HRSG INL DUCT 11MBR10CT002A  XQ01 °C	T HRSG INL DUCT 11MBR10CT003A  XQ01 °C
18-12-2019 0:00	11:30:00	-0,2242477	10,925062	55590,42	13,199997	580,2	570,8	571,3
18-12-2019 0:00	11:31:00	-0,2242477	10,892262	55493,32	13,300003	579,60004	570,2	570,7
18-12-2019 0:00	11:32:00	-0,2242477	10,87039	55312,23	13,300003	577,7	568,2	568,8
18-12-2019 0:00	11:33:00	-0,2586082	10,915808	55543,332	13,300003	579	569,4	569,60004
18-12-2019 0:00	11:34:00	-0,1537182	10,902798	55605,82	13,300003	580,60004	570,9	571,4
18-12-2019 0:00	11:35:00	-0,2224392	10,896317	55336,043	13,300003	581	571,3	571,8
18-12-2019 0:00	11:36:00	-0,1790365	10,943063	55781,58	13,300003	580	570,5	571,2
18-12-2019 0:00	11:37:00	-0,1844618	10,941788	55780,043	13,400009	579,4	569,9	570,4
18-12-2019 0:00	11:38:00	-0,1790365	10,938278	55566,918	13,400009	579,8	570,3	570,8
18-12-2019 0:00	11:39:00	-0,2477575	10,945777	55695,83	13,400009	580	570,7	571,2
18-12-2019 0:00	11:40:00	-0,141059	10,888844	55406,13	13,400009	579,60004	570,3	570,8
18-12-2019 0:00	11:41:00	-0,2929688	10,969182	55850,56	13,400009	580,2	570,5	571
18-12-2019 0:00	11:42:00	-0,1790365	10,983224	55785,277	13,400009	580,4	570,9	571,4
18-12-2019 0:00	11:43:00	-0,2152054	10,907427	55425,957	13,400009	580,2	570,5	571
18-12-2019 0:00	11:44:00	-0,1844618	10,96857	55695,375	13,5	580,2	570,7	571,4
18-12-2019 0:00	11:45:00	-0,1428675	10,97017	55802,664	13,5	579,8	570,5	571
18-12-2019 0:00	11:46:00	-0,2043547	10,9728565	55833,62	13,5	579,2	569,7	570,4
18-12-2019 0:00	11:47:00	-0,2242477	10,954623	55818,984	13,5	579	569,5	570,2
18-12-2019 0:00	11:48:00	-0,1139323	10,902163	55473,902	13,5	578,8	569,3	570
18-12-2019 0:00	11:49:00	-0,3942419	10,936797	55492,047	13,5	578,2	568,9	569,60004
18-12-2019 0:00	11:50:00	-0,1446759	10,940771	55715,85	13,600006	578,60004	568,9	569,60004
18-12-2019 0:00	11:51:00	-0,2206308	10,93716	55651,977	13,600006	579,4	569,9	570,4
18-12-2019 0:00	11:52:00	-0,3779658	10,967778	55806,38	13,600006	579,7	570,10004	570,60004
18-12-2019 0:00	11:53:00	-0,3237124	10,923846	55456,977	13,600006	579,7	570,2	570,60004
18-12-2019 0:00	11:54:00	-0,1482928	10,911071	55626,184	13,600006	580,10004	570,4	571
18-12-2019 0:00	11:55:00	-0,177228	10,915726	55452,32	13,699997	580,3	570,60004	571,2
18-12-2019 0:00	11:56:00	-0,1808449	10,95611	55748,406	13,699997	580,2	570,60004	571
18-12-2019 0:00	11:57:00	-0,2586082	10,947391	55704,04	13,699997	580,4	570,8	571,10004
18-12-2019 0:00	11:58:00	-0,249566	10,993322	55857,14	13,699997	580,8	571,4	571,9
18-12-2019 0:00	11:59:00	-0,3942419	10,923322	55763,29	13,800003	580	570,4	570,9
18-12-2019 0:00	12:00:00	-0,5099826	10,958584	55749,934	13,800003	579,8	570,4	570,7



		31		31		31		31		31		31	
		PROMEDIO		572,42		573,98		49,97		195,02		15,89	
		DESV EST		0,7507		0,7988		0,0305		0,5443		0,0063	
		DESV EST %											
		MÁX		573,6000		575,3000		50,0452		196,3628		15,8952	
		MÍN		570,0000		572,1000		49,9115		193,8455		15,8794	
		T HRSG INL DUCT		T HRSG INL DUCT		T HRSG INL DUCT		TURBINE SPEED		ACTIVE POWER		GEN VOLTAGE L1-L2	
DATE	Time	11MBR10CT004A XQ01	11MBR10CT005A XQ01	11MBR10CT006A XQ01	11MBY10CS901 ZQ11	11MBY10CE901 XQ01	11MKA01CE001A XQ01 XQ01	11MKA01CE002A XQ01 XQ01					
		°C		°C		°C		s-1		MW		kV	
		°C		°C		°C		s-1		MW		kA	
18-12-2019 0:00	11:30:00	572,4	572,5	574,4	49,91318	194,80034	15,895183	7,398582					
18-12-2019 0:00	11:31:00	572,4	573	574,4	49,9927	196,36284	15,895183	7,398582					
18-12-2019 0:00	11:32:00	570	570,60004	572,10004	49,96681	194,56163	15,895183	7,398582					
18-12-2019 0:00	11:33:00	570	570,60004	572,10004	49,936962	194,95226	15,895183	7,398582					
18-12-2019 0:00	11:34:00	572,3	572,9	574,4	49,92065	195,01735	15,895183	7,398582					
18-12-2019 0:00	11:35:00	573,2	572,9	575,3	49,944256	195,7552	15,895183	7,4172816					
18-12-2019 0:00	11:36:00	572,4	573,60004	574,4	50,04517	194,71353	15,895183	7,359592					
18-12-2019 0:00	11:37:00	572,4	572,60004	574,4	50,007496	194,77864	15,879376	7,400969					
18-12-2019 0:00	11:38:00	571,60004	572,60004	573,7	49,95058	195,14757	15,879376	7,400969					
18-12-2019 0:00	11:39:00	572,5	572,60004	574,4	49,957546	194,56163	15,879376	7,4113135					
18-12-2019 0:00	11:40:00	572,5	572,60004	574,4	49,94182	195,23436	15,879376	7,4113135					
18-12-2019 0:00	11:41:00	572,10004	572,60004	574,2	49,94066	195,06076	15,879376	7,4113135					
18-12-2019 0:00	11:42:00	572,60004	572,60004	574,2	50,01039	194,1276	15,8917465	7,367549					
18-12-2019 0:00	11:43:00	572,60004	572,60004	574,4	49,97482	194,82204	15,8917465	7,4471207					
18-12-2019 0:00	11:44:00	572,60004	573	574,4	49,947487	195,12585	15,8917465	7,414894					
18-12-2019 0:00	11:45:00	572,60004	573	574,4	49,97659	194,56163	15,8917465	7,414894					
18-12-2019 0:00	11:46:00	571,9	572,10004	574,4	49,94675	195,08246	15,8917465	7,414894					
18-12-2019 0:00	11:47:00	571,3	572,10004	573,3	49,93378	195,19096	15,8917465	7,414894					
18-12-2019 0:00	11:48:00	571,3	571,60004	573,3	49,911453	195,14757	15,8917465	7,414894					
18-12-2019 0:00	11:49:00	570,60004	571,60004	572,7	49,95118	194,56163	15,8917465	7,3981843					
18-12-2019 0:00	11:50:00	570,60004	570,9	572,7	49,96035	195,49478	15,8917465	7,3981843					
18-12-2019 0:00	11:51:00	570,60004	572,10004	572,7	49,94885	195,27777	15,8917465	7,3981843					
18-12-2019 0:00	11:52:00	571,60004	572,10004	573,7	49,97364	195,86371	15,8917465	7,39898					
18-12-2019 0:00	11:53:00	571,60004	572,10004	573,7	49,994057	194,69183	15,8917465	7,39898					
18-12-2019 0:00	11:54:00	571,60004	572,4	574,2	50,002052	193,84547	15,881438	7,3404946					
18-12-2019 0:00	11:55:00	572,10004	572,4	574,2	50,000626	195,40797	15,881438	7,412507					
18-12-2019 0:00	11:56:00	572,10004	572,7	574,2	49,969196	195,47308	15,881438	7,412507					
18-12-2019 0:00	11:57:00	572,5	572,7	574,7	49,974194	194,86545	15,881438	7,412507					
18-12-2019 0:00	11:58:00	572,5	573,60004	574,7	49,989017	196,10242	15,881438	7,412507					
18-12-2019 0:00	11:59:00	573	573,60004	574,7	49,975925	194,40971	15,881438	7,4105177					
18-12-2019 0:00	12:00:00	572,10004	572,7	574,7	49,958225	194,67014	15,881438	7,4105177					



		31		31		31		31		31	
		7,41		7,42		0,94		732,89		0,61	
		0,0155		0,0212		0,0013		2,8717		0,0113	
		7,4400		7,4622		0,9475		738,9648		0,6317	
		7,3632		7,3870		0,9427		727,5391		0,5884	
		GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR		EXC CURRENT		U AUX ACTIVE POWER	
DATE	Time	11MKA01CE002B XQ01 XQ01		11MKA01CE002C XQ01 XQ01		11MKC01DE503  ZQ01		11MKC01EU001  ZQ01		11BBT01CE003 XQ01 XQ01	
		kA		kA		CAP/IND		A		MW	
		KV									
18-12-2019 0:00	11:30:00	7,416486		7,4089265		0,9448242		730,7617		0,6145254	6,7007704
18-12-2019 0:00	11:31:00	7,3715277		7,4089265		0,9475098		730,7617		0,6145254	6,7007704
18-12-2019 0:00	11:32:00	7,4312067		7,4140987		0,9475098		730,7617		0,5949508	6,702199
18-12-2019 0:00	11:33:00	7,413303		7,4140987		0,9464722		736,4258		0,5949508	6,7004843
18-12-2019 0:00	11:34:00	7,413303		7,4140987		0,9464722		738,96484		0,6186776	6,7004843
18-12-2019 0:00	11:35:00	7,413303		7,459057		0,9464722		729,1992		0,6008825	6,7019134
18-12-2019 0:00	11:36:00	7,413303		7,4144964		0,9464722		731,7383		0,6008825	6,7019134
18-12-2019 0:00	11:37:00	7,413303		7,4144964		0,9443359		731,7383		0,6008825	6,7019134
18-12-2019 0:00	11:38:00	7,413303		7,4487123		0,9443359		735,35156		0,6008825	6,7019134
18-12-2019 0:00	11:39:00	7,413303		7,4427443		0,9443359		735,35156		0,6008825	6,7004843
18-12-2019 0:00	11:40:00	7,413303		7,4427443		0,9443359		738,76953		0,6008825	6,7004843
18-12-2019 0:00	11:41:00	7,4399595		7,4105177		0,9443359		732,4219		0,6180845	6,7013416
18-12-2019 0:00	11:42:00	7,3631725		7,414894		0,9443359		727,53906		0,6180845	6,7013416
18-12-2019 0:00	11:43:00	7,3910227		7,4622393		0,9443359		731,25		0,6020688	6,7013416
18-12-2019 0:00	11:44:00	7,4113135		7,4447336		0,942749		733,0078		0,6020688	6,7013416
18-12-2019 0:00	11:45:00	7,4371743		7,410916		0,942749		732,91016		0,6020688	6,7013416
18-12-2019 0:00	11:46:00	7,379087		7,4347873		0,942749		735,35156		0,6317274	6,702199
18-12-2019 0:00	11:47:00	7,4089265		7,4347873		0,942749		735,35156		0,5884259	6,702199
18-12-2019 0:00	11:48:00	7,4089265		7,391421		0,944519		730,5664		0,6121528	6,6996274
18-12-2019 0:00	11:49:00	7,4089265		7,387044		0,944519		736,6211		0,6121528	6,70277
18-12-2019 0:00	11:50:00	7,4089265		7,4085283		0,946167		727,83203		0,6121528	6,7013416
18-12-2019 0:00	11:51:00	7,4089265		7,443938		0,946167		729,10156		0,5902054	6,7013416
18-12-2019 0:00	11:52:00	7,4089265		7,3910227		0,9440918		733,9844		0,6097801	6,7013416
18-12-2019 0:00	11:53:00	7,4089265		7,4367766		0,9440918		733,9844		0,6097801	6,7013416
18-12-2019 0:00	11:54:00	7,4089265		7,3981843		0,9440918		730,95703		0,6097801	6,7013416
18-12-2019 0:00	11:55:00	7,4089265		7,445132		0,9446411		730,95703		0,6097801	6,7013416
18-12-2019 0:00	11:56:00	7,4089265		7,3942056		0,9446411		735,15625		0,5943576	6,7013416
18-12-2019 0:00	11:57:00	7,4089265		7,395399		0,9446411		731,7383		0,5943576	6,7013416
18-12-2019 0:00	11:58:00	7,4089265		7,4081306		0,9446411		733,59375		0,6257957	6,7024846
18-12-2019 0:00	11:59:00	7,4089265		7,4081306		0,9446411		733,59375		0,6257957	6,6996274
18-12-2019 0:00	12:00:00	7,4089265		7,43797		0,9446411		733,9844		0,6257957	6,7007704



DATO	31	31
PROMEDIO	99,28	194,48
DESV EST	0,8606	0,5530
DESV EST %		
MÁX	101,1827	195,5911
MÍN	98,0360	192,9990

DATE	Time	MV INC FDR CUR L2 11BBT01CE102 XQ01 XQ01	UNIT LOAD SETPOINT GT 11CJA00DE100 XQ95
		A	MW
18-12-2019 0:00	11:30:00	98,57856	194,4786
18-12-2019 0:00	11:31:00	99,44662	195,15314
18-12-2019 0:00	11:32:00	99,44662	194,02466
18-12-2019 0:00	11:33:00	99,44662	195,25809
18-12-2019 0:00	11:34:00	99,44662	194,87695
18-12-2019 0:00	11:35:00	99,44662	195,24765
18-12-2019 0:00	11:36:00	98,036026	194,09451
18-12-2019 0:00	11:37:00	98,036026	194,49048
18-12-2019 0:00	11:38:00	98,036026	194,0428
18-12-2019 0:00	11:39:00	98,036026	194,60287
18-12-2019 0:00	11:40:00	99,33811	194,53897
18-12-2019 0:00	11:41:00	99,33811	194,51607
18-12-2019 0:00	11:42:00	99,33811	193,33022
18-12-2019 0:00	11:43:00	99,33811	194,5966
18-12-2019 0:00	11:44:00	100,09766	194,93434
18-12-2019 0:00	11:45:00	100,09766	194,58
18-12-2019 0:00	11:46:00	100,09766	195,24171
18-12-2019 0:00	11:47:00	100,09766	194,35315
18-12-2019 0:00	11:48:00	98,84983	194,60645
18-12-2019 0:00	11:49:00	98,84983	194,13316
18-12-2019 0:00	11:50:00	98,84983	194,44232
18-12-2019 0:00	11:51:00	98,84983	193,90938
18-12-2019 0:00	11:52:00	98,84983	194,63406
18-12-2019 0:00	11:53:00	98,84983	194,3963
18-12-2019 0:00	11:54:00	98,84983	192,99901
18-12-2019 0:00	11:55:00	98,84983	195,00928
18-12-2019 0:00	11:56:00	98,84983	194,54372
18-12-2019 0:00	11:57:00	98,84983	194,14894
18-12-2019 0:00	11:58:00	101,18273	195,59106
18-12-2019 0:00	11:59:00	101,18273	194,0812
18-12-2019 0:00	12:00:00	101,18273	194,0556





DATE	Time	NG PRES 1 U/STR ESV		HUMEDAD RELATIVA		TEMPERATURA AMBIENTE		PRESION ATMOSFERICA		PRES U/STR COMPR		PRES COMPR OUTLET		DP C-C
		11MBP13CP101 XQ01		11UMB10CM001 XQ01 XQ01		11UMB10CT001 XQ01 XQ01		11UMB10CP001 XQ01 XQ01		11MBA11CP101 XQ01		11MBA12CP101 XQ01		11MBM10CP101 XQ01
		bar		%		CEL		hPa		mBar/abs		bar abs		mBar
18-12-2019 0:00	12:15:00	29,991318	44,50955	23,813656	1003,1033	953,559	14,053457	445,74652						
18-12-2019 0:00	12:16:00	29,982637	44,741028	23,695023	1003,14667	953,559	14,040798	442,83853						
18-12-2019 0:00	12:17:00	29,979744	45,03038	23,541664	1003,1033	953,559	14,046224	441,31943						
18-12-2019 0:00	12:18:00	29,971064	45,18591	23,411457	1003,1033	953,559	14,03899	441,31943						
18-12-2019 0:00	12:19:00	29,98553	45,18591	23,214699	1003,1033	953,559	14,044415	442,62152						
18-12-2019 0:00	12:20:00	29,988424	45,688656	23,148148	1003,0599	953,559	14,051649	439,93054						
18-12-2019 0:00	12:21:00	29,973957	45,688656	23,064236	1003,08154	953,559	14,026331	445,00867						
18-12-2019 0:00	12:22:00	29,973957	44,66869	23,330437	1003,1033	953,26965	14,040798	440,4514						
18-12-2019 0:00	12:23:00	29,97685	44,13701	23,68634	1003,0599	953,26965	14,01548	440,4514						
18-12-2019 0:00	12:24:00	29,988424	43,858505	23,955437	1003,1033	953,26965	14,01548	440,4514						
18-12-2019 0:00	12:25:00	29,97685	42,81684	24,189812	1003,14667	953,26965	14,0209055	440,4514						
18-12-2019 0:00	12:26:00	29,982637	41,89453	24,424187	1003,1033	953,26965	14,09686	450,3906						
18-12-2019 0:00	12:27:00	29,982637	41,89453	24,453125	1003,08154	953,26965	14,055266	444,92184						
18-12-2019 0:00	12:28:00	29,979744	41,89453	24,453125	1003,1033	953,26965	14,076967	444,79166						
18-12-2019 0:00	12:29:00	29,979744	41,91985	24,53125	1003,1033	953,26965	14,0625	444,0104						
18-12-2019 0:00	12:30:00	29,973957	41,91985	24,57465	1003,08154	953,13947	14,075159	444,0104						
18-12-2019 0:00	12:31:00	29,979744	42,129627	24,612267	1003,08154	953,13947	14,073351	438,15103						
18-12-2019 0:00	12:32:00	29,979744	41,73177	24,65567	1003,08154	953,13947	14,066116	442,5347						
18-12-2019 0:00	12:33:00	29,98553	41,529224	24,534142	1003,08154	953,13947	14,0914345	441,88367						
18-12-2019 0:00	12:34:00	29,98553	41,529224	24,490738	1003,0599	952,9369	14,087818	444,79166						
18-12-2019 0:00	12:35:00	29,988424	41,91985	24,438656	1003,0599	952,9369	14,084201	441,97046						
18-12-2019 0:00	12:36:00	29,988424	42,40813	24,438656	1003,0599	952,9369	14,057075	444,48782						
18-12-2019 0:00	12:37:00	29,994211	42,7011	24,40104	1002,99475	952,9369	14,060691	441,40622						
18-12-2019 0:00	12:38:00	30,002893	42,7011	24,40104	1002,99475	952,9369	14,044415	443,44617						
18-12-2019 0:00	12:39:00	29,98553	42,03197	24,493633	1002,99475	952,7778	14,064308	443,8368						
18-12-2019 0:00	12:40:00	29,988424	41,786022	24,522568	1002,95135	952,7778	14,053457	442,18747						
18-12-2019 0:00	12:41:00	29,999998	41,026474	24,67014	1002,95135	952,7778	14,060691	442,18747						
18-12-2019 0:00	12:42:00	29,982637	40,755207	24,70486	1002,8862	952,7778	14,069734	442,18747						
18-12-2019 0:00	12:43:00	29,994211	41,33391	24,768517	1002,95135	952,7778	14,042606	442,18747						
18-12-2019 0:00	12:44:00	29,994211	41,576244	24,70486	1002,9297	952,6331	14,024523	442,18747						
18-12-2019 0:00	12:45:00	29,991318	41,561775	24,667244	1002,9297	952,6331	14,08601	451,9531						



		31	31	31	31	31	31	31
DATO		PROMEDIO	DESVEST	DESVEST %	MÁX	MÍN		
		-0,2129	0,0766		-0,0579	-0,3328		
		10,54	0,0386	0,003589427	10,6125	10,4630		
		53.664,99	192,63		54004,7900	53239,2150		
		14,47	0,1701		14,7000	14,2000		
		581,50	0,9200		583,5000	580,3000		
		571,84	0,8480		573,5000	570,7000		
		570,08	0,8626		571,8000	569,1000		
DATE	Time	PRES EXH GAS HRSGL INL 11HNA10CP001 XQ01 mBAR	FG FLOW CALC 11EKD02FF901 XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901 ZQ01 °C	T HRSGL INL DUCT 11MBR10CT001A XQ01 °C	T HRSGL INL DUCT 11MBR10CT002A XQ01 °C	T HRSGL INL DUCT 11MBR10CT003A XQ01 °C
18-12-2019 0:00	12:15:00	-0,0705295	10,50264	53440,996	14,199997	580,9	571,4	569,5
18-12-2019 0:00	12:16:00	-0,3219039	10,49311	53468,91	14,199997	580,7	571,4	569,3
18-12-2019 0:00	12:17:00	-0,1121238	10,513769	53497,63	14,199997	580,9	571,4	569,5
18-12-2019 0:00	12:18:00	-0,1790365	10,53652	53382,06	14,199997	580,9	571,4	569,5
18-12-2019 0:00	12:19:00	-0,2531829	10,531538	53588,035	14,300003	580,9	571,3	569,3
18-12-2019 0:00	12:20:00	-0,2586082	10,473958	53397,73	14,300003	581,10004	571,5	569,5
18-12-2019 0:00	12:21:00	-0,2839265	10,536175	53753,117	14,300003	581,4	571,8	569,7
18-12-2019 0:00	12:22:00	-0,1428675	10,5316725	53817,047	14,300003	581,8	572,2	570,3
18-12-2019 0:00	12:23:00	-0,3327546	10,573851	53628,37	14,300003	582	572,4	570,3
18-12-2019 0:00	12:24:00	-0,285735	10,529746	53446,91	14,400009	582,4	572,8	570,9
18-12-2019 0:00	12:25:00	-0,1501013	10,56891	53783	14,400009	582,60004	572,9	570,9
18-12-2019 0:00	12:26:00	-0,2224392	10,475115	53300,94	14,400009	582,5	572,9	571,10004
18-12-2019 0:00	12:27:00	-0,2224392	10,560518	53818,168	14,400009	580,7	571,3	569,5
18-12-2019 0:00	12:28:00	-0,2586082	10,5988455	53807,008	14,400009	580,3	570,7	569,10004
18-12-2019 0:00	12:29:00	-0,2604167	10,578817	53797,246	14,5	580,5	570,9	569,3
18-12-2019 0:00	12:30:00	-0,1880787	10,5748625	53916,29	14,5	580,7	571,10004	569,5
18-12-2019 0:00	12:31:00	-0,1862703	10,558213	53703,004	14,5	580,9	571,3	569,5
18-12-2019 0:00	12:32:00	-0,1085069	10,576324	53844,137	14,5	580,9	571,10004	569,5
18-12-2019 0:00	12:33:00	-0,2622251	10,54774	53713,168	14,5	580,5	570,9	569,3
18-12-2019 0:00	12:34:00	-0,0578704	10,587441	53843,137	14,5	580,5	570,7	569,10004
18-12-2019 0:00	12:35:00	-0,2152054	10,578943	53751,11	14,600006	580,5	570,7	569,2
18-12-2019 0:00	12:36:00	-0,1320168	10,578391	54004,79	14,600006	580,7	571,10004	569,4
18-12-2019 0:00	12:37:00	-0,2242477	10,552827	53819,066	14,600006	581,10004	571,3	569,8
18-12-2019 0:00	12:38:00	-0,2604167	10,570859	53788,12	14,600006	581,9	572,10004	570,4
18-12-2019 0:00	12:39:00	-0,1139323	10,53731	53579,38	14,600006	582,5	572,5	571
18-12-2019 0:00	12:40:00	-0,1482928	10,542124	53641,902	14,699997	582,5	572,8	571
18-12-2019 0:00	12:41:00	-0,2875434	10,50148	53644,242	14,699997	582,60004	572,60004	571,10004
18-12-2019 0:00	12:42:00	-0,3309462	10,579549	53823,86	14,699997	582,60004	572,9	571,3
18-12-2019 0:00	12:43:00	-0,2929688	10,50494	53540,87	14,699997	582,9	573,10004	571,4
18-12-2019 0:00	12:44:00	-0,2586082	10,612475	53835,28	14,699997	583,5	573,5	571,8
18-12-2019 0:00	12:45:00	-0,1790365	10,462984	53239,215	14,699997	582,5	572,9	571,60004



		31			31		31		31		31	
		PROMEDIO			572,27		574,56		50,01		186,98	
		DESV EST			0,9382		0,9419		0,0280		0,3896	
		DESV EST %										
		MÁX			573,3000		576,6000		50,0780		187,7257	
		MÍN			570,4000		573,5000		49,9446		186,1198	
		T HRSG INL DUCT			T HRSG INL DUCT		T HRSG INL DUCT		TURBINE SPEED		ACTIVE POWER	
DATE	Time	11MBR10CT004A XQ01	11MBR10CT005A XQ01	11MBR10CT006A XQ01	11MBY10CS901 ZQ11	11MBY10CE901 XQ01	11MKA01CE001A XQ01 XQ01	11MKA01CE002A XQ01 XQ01				
		°C			°C		°C		s-1		MW	
		kV			kA							
18-12-2019 0:00	12:15:00	570,8	571,60004	574,2	50,07795	186,55382	15,830585	7,0520473				
18-12-2019 0:00	12:16:00	570,4	571,60004	573,9	50,032387	187,05295	15,830585	7,0985966				
18-12-2019 0:00	12:17:00	570,4	571,60004	573,9	50,05211	187,70398	15,830585	7,108145				
18-12-2019 0:00	12:18:00	570,4	571,60004	573,9	50,052513	187,00954	15,830585	7,0818863				
18-12-2019 0:00	12:19:00	570,4	571,60004	573,9	50,00456	187,00954	15,830585	7,050058				
18-12-2019 0:00	12:20:00	570,60004	571,60004	573,9	50,049072	186,57552	15,823712	7,0512514				
18-12-2019 0:00	12:21:00	570,60004	571,60004	573,9	50,017834	187,24826	15,823712	7,077112				
18-12-2019 0:00	12:22:00	571,3	572,4	574,7	50,024494	187,7257	15,823712	7,077112				
18-12-2019 0:00	12:23:00	571,3	572,4	574,7	49,992134	186,96614	15,823712	7,077112				
18-12-2019 0:00	12:24:00	571,9	573,10004	575,4	49,994316	186,5321	15,823712	7,050058				
18-12-2019 0:00	12:25:00	571,9	573,10004	575,4	50,045826	186,2717	15,823712	7,0783057				
18-12-2019 0:00	12:26:00	572,4	573,10004	575,60004	50,026863	186,94444	15,823712	7,088252				
18-12-2019 0:00	12:27:00	571,3	572	574,5	49,9868	187,07465	15,823712	7,0512514				
18-12-2019 0:00	12:28:00	570,4	571,3	573,5	50,02098	187,50867	15,823712	7,0870585				
18-12-2019 0:00	12:29:00	570,4	571,3	573,5	49,980026	187,03123	15,823712	7,0870585				
18-12-2019 0:00	12:30:00	570,4	571,3	573,5	50,03021	186,61891	15,823712	7,084274				
18-12-2019 0:00	12:31:00	570,8	571,9	574,10004	50,004883	187,13976	15,823712	7,084274				
18-12-2019 0:00	12:32:00	570,8	571,9	574,10004	50,026207	187,44357	15,823712	7,102177				
18-12-2019 0:00	12:33:00	570,8	571,9	574,10004	50,01934	187,24826	15,823712	7,085865				
18-12-2019 0:00	12:34:00	570,4	571,4	573,7	49,999767	186,87933	15,823712	7,085865				
18-12-2019 0:00	12:35:00	570,4	571,4	573,7	50,025776	187,05295	15,823712	7,085865				
18-12-2019 0:00	12:36:00	570,4	571,4	573,7	50,011513	187,07465	15,823712	7,0989943				
18-12-2019 0:00	12:37:00	571,10004	571,4	573,7	50,00105	186,98784	15,831959	7,0787034				
18-12-2019 0:00	12:38:00	571,10004	572,10004	574,4	49,95758	186,11978	15,831959	7,0787034				
18-12-2019 0:00	12:39:00	572,10004	573,10004	575,4	50,01319	187,03123	15,831959	7,0249925				
18-12-2019 0:00	12:40:00	572,10004	573,10004	575,4	49,995594	186,4453	15,831959	7,080693				
18-12-2019 0:00	12:41:00	572,60004	573,60004	575,8	50,007626	187,57378	15,831959	7,0783057				
18-12-2019 0:00	12:42:00	572,60004	573,60004	575,8	50,01994	187,11804	15,831959	7,0488644				
18-12-2019 0:00	12:43:00	572,60004	573,60004	575,8	49,944603	186,55382	15,831959	7,081091				
18-12-2019 0:00	12:44:00	573,3	574,4	576,60004	49,97917	187,05295	15,831959	7,030563				
18-12-2019 0:00	12:45:00	573,3	574,4	576,60004	50,01597	186,94444	15,831959	7,0472727				



DATO	31	31	31	31	31	31
PROMEDIO	7,07	7,09	0,95	698,75	0,59	6,68
DESV EST	0,0243	0,0199	0,0011	2,2234	0,0132	0,0008
DESV EST %						
MÁX	7,1189	7,1217	0,9552	702,4414	0,6264	6,6776
MÍN	7,0127	7,0668	0,9518	694,9219	0,5706	6,6748

DATE	Time	GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR
		11MKA01CE002B XQ01 XQ01	11MKA01CE002C XQ01 XQ01	11MKC01DE503  ZQ01	11MKC01EU001  ZQ01	11BBT01CE003 XQ01 XQ01	11BBE00CE001 XQ01 XQ01		
		kA	kA	CAP/IND	A	MW	KV		
18-12-2019 0:00	12:15:00	7,0588107	7,072338	0,9549561	696,97266	0,5842737	6,676197		
18-12-2019 0:00	12:16:00	7,0588107	7,11093	0,9549561	696,97266	0,5842737	6,676197		
18-12-2019 0:00	12:17:00	7,0349393	7,067961	0,9549561	696,97266	0,5706308	6,676197		
18-12-2019 0:00	12:18:00	7,0627894	7,0683594	0,9549561	696,97266	0,5706308	6,676197		
18-12-2019 0:00	12:19:00	7,0627894	7,09979	0,9549561	696,97266	0,5919849	6,676197		
18-12-2019 0:00	12:20:00	7,0627894	7,108941	0,9549561	696,97266	0,5919849	6,676197		
18-12-2019 0:00	12:21:00	7,0627894	7,074725	0,9549561	696,97266	0,578342	6,676197		
18-12-2019 0:00	12:22:00	7,0627894	7,0683594	0,9549561	700,4883	0,578342	6,676197		
18-12-2019 0:00	12:23:00	7,0970054	7,1105323	0,9533081	700,4883	0,6115596	6,676197		
18-12-2019 0:00	12:24:00	7,0627894	7,1105323	0,9533081	698,0469	0,5967303	6,676197		
18-12-2019 0:00	12:25:00	7,0926285	7,1180916	0,9533081	695,1172	0,5967303	6,675054		
18-12-2019 0:00	12:26:00	7,098199	7,111726	0,9533081	701,46484	0,5967303	6,675054		
18-12-2019 0:00	12:27:00	7,09422	7,0667677	0,9552002	697,3633	0,6080006	6,6767683		
18-12-2019 0:00	12:28:00	7,0608	7,067961	0,9517822	701,46484	0,6080006	6,6747684		
18-12-2019 0:00	12:29:00	7,0878544	7,1125216	0,9517822	701,46484	0,5890191	6,6747684		
18-12-2019 0:00	12:30:00	7,0389175	7,09979	0,9540405	696,4844	0,5890191	6,675054		
18-12-2019 0:00	12:31:00	7,094618	7,09979	0,9540405	702,4414	0,5890191	6,675054		
18-12-2019 0:00	12:32:00	7,0938225	7,09979	0,9540405	698,53516	0,5890191	6,675054		
18-12-2019 0:00	12:33:00	7,0623913	7,09979	0,9540405	698,53516	0,5890191	6,675054		
18-12-2019 0:00	12:34:00	7,1009836	7,09979	0,9525146	702,34375	0,5753762	6,6753397		
18-12-2019 0:00	12:35:00	7,0958114	7,09979	0,9525146	700,8789	0,5753762	6,6753397		
18-12-2019 0:00	12:36:00	7,0958114	7,0699506	0,9525146	700,8789	0,5753762	6,6753397		
18-12-2019 0:00	12:37:00	7,1188874	7,121672	0,9525146	700,8789	0,6263888	6,6753397		
18-12-2019 0:00	12:38:00	7,012659	7,1204786	0,9525146	700,8789	0,5735967	6,6770544		
18-12-2019 0:00	12:39:00	7,036133	7,069155	0,9525146	697,2656	0,5735967	6,6770544		
18-12-2019 0:00	12:40:00	7,034541	7,1204786	0,9535522	697,2656	0,5735967	6,6753397		
18-12-2019 0:00	12:41:00	7,0611978	7,077112	0,9535522	700,4883	0,5813078	6,6753397		
18-12-2019 0:00	12:42:00	7,0611978	7,072338	0,9535522	694,9219	0,5813078	6,6776257		
18-12-2019 0:00	12:43:00	7,0611978	7,1077476	0,9546509	695,9961	0,5813078	6,6767683		
18-12-2019 0:00	12:44:00	7,0611978	7,1105323	0,9546509	700,3906	0,5813078	6,6767683		
18-12-2019 0:00	12:45:00	7,0611978	7,0707464	0,9546509	698,33984	0,5813078	6,6767683		



DATO	31	31
PROMEDIO	95,93	186,41
DESV EST	0,6004	0,5127
DESV EST %		
MÁX	97,9275	187,8566
MÍN	95,2691	185,4677

DATE	Time	MV INC FDR CUR L2 11BBT01CE102 XQ01 XQ01	UNIT LOAD SETPOINT GT 11CJA00DE100 XQ95
		A	MW
18-12-2019 0:00	12:15:00	95,81164	185,90622
18-12-2019 0:00	12:16:00	95,81164	185,83221
18-12-2019 0:00	12:17:00	95,81164	187,85663
18-12-2019 0:00	12:18:00	95,81164	186,02718
18-12-2019 0:00	12:19:00	95,81164	186,40984
18-12-2019 0:00	12:20:00	95,81164	186,07983
18-12-2019 0:00	12:21:00	95,81164	187,02248
18-12-2019 0:00	12:22:00	95,81164	186,88396
18-12-2019 0:00	12:23:00	95,81164	186,59863
18-12-2019 0:00	12:24:00	95,81164	186,44992
18-12-2019 0:00	12:25:00	95,81164	185,98082
18-12-2019 0:00	12:26:00	96,29992	186,03702
18-12-2019 0:00	12:27:00	96,29992	185,96751
18-12-2019 0:00	12:28:00	96,29992	186,33371
18-12-2019 0:00	12:29:00	96,29992	186,87126
18-12-2019 0:00	12:30:00	97,92752	187,2383
18-12-2019 0:00	12:31:00	95,92014	186,25142
18-12-2019 0:00	12:32:00	95,92014	186,93033
18-12-2019 0:00	12:33:00	95,92014	186,55334
18-12-2019 0:00	12:34:00	95,92014	186,8147
18-12-2019 0:00	12:35:00	95,92014	187,27255
18-12-2019 0:00	12:36:00	95,92014	186,31285
18-12-2019 0:00	12:37:00	97,16797	186,10959
18-12-2019 0:00	12:38:00	97,16797	186,04057
18-12-2019 0:00	12:39:00	95,2691	186,20554
18-12-2019 0:00	12:40:00	95,2691	185,76534
18-12-2019 0:00	12:41:00	95,2691	186,15619
18-12-2019 0:00	12:42:00	95,2691	186,36017
18-12-2019 0:00	12:43:00	95,2691	185,46768
18-12-2019 0:00	12:44:00	95,2691	186,458
18-12-2019 0:00	12:45:00	95,2691	186,52809



		31	31	31	31	31	31	31
		PROMEDIO	42,61	24,74	1002,95	951,89	13,52	425,31
		DESVEST	0,7715	0,2251	0,0391	0,2065	0,0227	1,9395
		DESVEST %						
		MÁX	43,8006	25,1157	1003,0382	952,1122	13,5778	430,8593
		MÍN	40,8565	24,2216	1002,8646	951,5625	13,4965	420,1389
		NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
DATE	Time	11MBP13CP101 XQ01	11UMB10CM001 XQ01 XQ01	11UMB10CT001 XQ01 XQ01	11UMB10CP001 XQ01 XQ01	11MBA11CP101 XQ01	11MBA12CP101 XQ01	11MBM10CP101 XQ01
		bar	%	CEL	hPa	mBar/abs	bar abs	mBar
18-12-2019 0:00	13:30:00	29,210068	43,800636	24,221642	1002,9731	952,11224	13,516348	420,1389
18-12-2019 0:00	13:31:00	29,210068	43,442562	24,453125	1002,9731	952,11224	13,536242	424,8264
18-12-2019 0:00	13:32:00	29,1956	43,06279	24,678818	1002,9731	952,11224	13,536242	424,8264
18-12-2019 0:00	13:33:00	29,210068	42,708332	24,678818	1002,9731	952,11224	13,530816	427,60416
18-12-2019 0:00	13:34:00	29,189814	42,708332	24,444443	1003,0382	952,11224	13,527199	424,56595
18-12-2019 0:00	13:35:00	29,201387	43,721066	24,331596	1002,99475	952,11224	13,51454	424,52255
18-12-2019 0:00	13:36:00	29,181133	43,406395	24,322914	1002,9731	952,11224	13,529007	423,6545
18-12-2019 0:00	13:37:00	29,17824	43,406395	24,351849	1002,99475	952,11224	13,510922	422,52603
18-12-2019 0:00	13:38:00	29,1956	43,406395	24,45023	1002,99475	952,11224	13,496455	424,78296
18-12-2019 0:00	13:39:00	29,17824	42,914497	24,560184	1002,99475	952,11224	13,521773	424,78296
18-12-2019 0:00	13:40:00	29,17824	42,40813	24,65567	1002,99475	952,11224	13,518157	424,78296
18-12-2019 0:00	13:41:00	29,157986	42,40813	24,65567	1002,8862	952,11224	13,518157	424,78296
18-12-2019 0:00	13:42:00	29,198494	43,250866	24,65567	1002,99475	951,9097	13,503689	424,78296
18-12-2019 0:00	13:43:00	29,152199	42,29962	24,768517	1002,95135	951,9097	13,510922	424,78296
18-12-2019 0:00	13:44:00	29,181133	42,29962	24,756943	1002,9297	951,9097	13,516348	424,78296
18-12-2019 0:00	13:45:00	29,157986	42,29962	24,785877	1002,9297	951,9097	13,518157	424,30554
18-12-2019 0:00	13:46:00	29,17824	43,01577	24,884258	1002,95135	951,9097	13,496455	426,25867
18-12-2019 0:00	13:47:00	29,146412	42,94343	24,95081	1002,95135	951,9097	13,5235815	422,87326
18-12-2019 0:00	13:48:00	29,163773	42,147713	24,930553	1002,9297	951,7506	13,51454	423,43747
18-12-2019 0:00	13:49:00	29,155092	41,981335	24,898724	1002,95135	951,7506	13,51454	426,9097
18-12-2019 0:00	13:50:00	29,16956	41,981335	24,898724	1002,9297	951,7506	13,51454	424,95657
18-12-2019 0:00	13:51:00	29,184027	42,230904	24,898724	1002,9297	951,7506	13,521773	424,95657
18-12-2019 0:00	13:52:00	29,149305	42,390045	24,872684	1002,95135	951,7506	13,51454	424,95657
18-12-2019 0:00	13:53:00	29,163773	42,003036	24,916088	1002,9297	951,7506	13,51454	424,95657
18-12-2019 0:00	13:54:00	29,155092	42,16218	24,86979	1002,95135	951,7506	13,505498	424,95657
18-12-2019 0:00	13:55:00	29,157986	43,78255	24,907406	1002,95135	951,7506	13,5000725	424,95657
18-12-2019 0:00	13:56:00	29,152199	43,78255	24,945023	1002,95135	951,5625	13,577835	430,85934
18-12-2019 0:00	13:57:00	29,152199	41,597946	25,066551	1002,9731	951,5625	13,563368	427,73434
18-12-2019 0:00	13:58:00	29,16088	41,32668	25,115738	1002,8862	951,5625	13,559751	427,73434
18-12-2019 0:00	13:59:00	29,143518	40,85648	25,0434	1002,8862	951,5625	13,57241	430,0347
18-12-2019 0:00	14:00:00	29,146412	41,25434	24,855324	1002,86456	951,5625	13,576027	428,6458



		31	31	31	31	31	31	31
DATO		PROMEDIO	DESVEST	DESVEST %	MÁX	MÍN		
		-0,19	0,0597		-0,0344	-0,3309		
		10,14	0,0324		10,2125	10,0722		
		51573,84	149,5066		51899,3000	51220,5000		
		15,14	0,1815		15,4000	14,9000		
		586,82	0,9431		588,0000	584,9000		
		575,90	0,8397		576,9000	574,3000		
		574,14	0,7771		575,3000	572,6000		
DATE	Time	PRES EXH GAS HRSG INL 11HNA10CP001  XQ01 mBAR	FG FLOW CALC 11EKD02FF901  XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B  XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901  ZQ01 °C	T HRSG INL DUCT 11MBR10CT001A  XQ01 °C	T HRSG INL DUCT 11MBR10CT002A  XQ01 °C	T HRSG INL DUCT 11MBR10CT003A  XQ01 °C
18-12-2019 0:00	13:30:00	-0,3164786	10,100351	51299,61	14,900009	585,2	574,8	573,10004
18-12-2019 0:00	13:31:00	-0,2152054	10,105183	51577,344	14,900009	585,60004	574,8	573
18-12-2019 0:00	13:32:00	-0,1862703	10,144775	51643,79	14,900009	585,60004	574,8	573,10004
18-12-2019 0:00	13:33:00	-0,1880787	10,189985	51636,85	14,900009	586	575,10004	573,3
18-12-2019 0:00	13:34:00	-0,1862703	10,17211	51542,2	14,900009	585,60004	574,7	573,10004
18-12-2019 0:00	13:35:00	-0,1844618	10,133239	51561,37	14,900009	586	574,9	573,3
18-12-2019 0:00	13:36:00	-0,1519097	10,173746	51713,336	14,900009	586,4	575,5	573,7
18-12-2019 0:00	13:37:00	-0,2513744	10,103674	51379,14	14,900009	586,60004	575,5	573,7
18-12-2019 0:00	13:38:00	-0,1501013	10,121719	51406,324	14,900009	587	575,9	573,9
18-12-2019 0:00	13:39:00	-0,1139323	10,107144	51586,023	15,100006	587,4	576,3	574,5
18-12-2019 0:00	13:40:00	-0,1844618	10,212516	51899,3	15,100006	587,2	576,3	574,3
18-12-2019 0:00	13:41:00	-0,2423322	10,123775	51714,59	15,100006	587,2	576,3	574,3
18-12-2019 0:00	13:42:00	-0,1790365	10,089732	51484,918	15,100006	587,4	576,4	574,4
18-12-2019 0:00	13:43:00	-0,1880787	10,10301	51480,082	15,100006	587,3	576,3	574,4
18-12-2019 0:00	13:44:00	-0,1501013	10,1460085	51674,08	15,100006	587,5	576,5	574,60004
18-12-2019 0:00	13:45:00	-0,1808449	10,116915	51409,176	15,199997	587,3	576,5	574,7
18-12-2019 0:00	13:46:00	-0,1537182	10,113693	51546,855	15,199997	587,7	576,7	574,9
18-12-2019 0:00	13:47:00	-0,3291377	10,185168	51773,832	15,199997	587,9	576,7	574,9
18-12-2019 0:00	13:48:00	-0,1085069	10,146375	51628,2	15,199997	587,5	576,5	574,7
18-12-2019 0:00	13:49:00	-0,1519097	10,130465	51704,152	15,199997	587,3	576,4	574,7
18-12-2019 0:00	13:50:00	-0,2586082	10,072234	51294,184	15,199997	587,5	576,4	574,7
18-12-2019 0:00	13:51:00	-0,177228	10,14677	51705,6	15,300003	587,60004	576,5	574,9
18-12-2019 0:00	13:52:00	-0,1446759	10,143902	51690,17	15,300003	587,8	576,7	574,9
18-12-2019 0:00	13:53:00	-0,3309462	10,141508	51464,27	15,300003	587,8	576,9	575,10004
18-12-2019 0:00	13:54:00	-0,0343605	10,149012	51551,223	15,300003	587,60004	576,7	574,9
18-12-2019 0:00	13:55:00	-0,1844618	10,167168	51797,055	15,300003	588	576,9	575,10004
18-12-2019 0:00	13:56:00	-0,1392506	10,105631	51624,543	15,400009	587,9	576,9	575,3
18-12-2019 0:00	13:57:00	-0,1880787	10,112585	51220,5	15,400009	586,10004	575,5	573,9
18-12-2019 0:00	13:58:00	-0,1428675	10,145444	51519,457	15,400009	585,7	574,9	573,5
18-12-2019 0:00	13:59:00	-0,1428675	10,146959	51572,78	15,400009	584,9	574,3	572,9
18-12-2019 0:00	14:00:00	-0,213397	10,178726	51688	15,400009	584,9	574,3	572,60004



DATO		31		31		31		31		31		31	
PROMEDIO		573,92		574,32		578,52		49,99		178,02		15,83	
DESV EST		0,8597		0,9415		0,9627		0,0374		0,4316		0,0000	
DESV EST %													
MÁX		574,7000		575,4000		579,4000		50,0646		178,9583		15,8278	
MÍN		572,0000		572,5000		576,7000		49,9198		177,0269		15,8278	
DATE	Time	T HRSG INL DUCT 11MBR10CT004A  XQ01 °C	T HRSG INL DUCT 11MBR10CT005A  XQ01 °C	T HRSG INL DUCT 11MBR10CT006A  XQ01 °C	TURBINE SPEED 11MBY10CS901  ZQ11 s-1	ACTIVE POWER 11MBY10CE901  XQ01 MW	GEN VOLTAGE L1-L2 11MKA01CE001A XQ01 XQ01 kV	GEN CURRENT L1 11MKA01CE002A XQ01 XQ01 kA					
18-12-2019 0:00	13:30:00	573,10004	573	577	49,97405	177,17882	15,827836	6,5992837					
18-12-2019 0:00	13:31:00	572,7	573	577	50,038097	177,48264	15,827836	6,6621456					
18-12-2019 0:00	13:32:00	572,7	573	577	49,95093	178,74132	15,827836	6,6621456					
18-12-2019 0:00	13:33:00	572,7	573	577,4	50,033226	177,91666	15,827836	6,6621456					
18-12-2019 0:00	13:34:00	572,7	573,4	577,4	50,006298	177,89496	15,827836	6,6621456					
18-12-2019 0:00	13:35:00	573	573,4	577,7	49,97727	177,91666	15,827836	6,6406612					
18-12-2019 0:00	13:36:00	573	573,4	577,7	49,994366	178,04688	15,827836	6,6760707					
18-12-2019 0:00	13:37:00	573,60004	574,10004	578,3	50,064636	177,78645	15,827836	6,6760707					
18-12-2019 0:00	13:38:00	573,60004	574,10004	578,3	49,944447	177,50433	15,827836	6,6760707					
18-12-2019 0:00	13:39:00	574,4	574,9	579,10004	49,993504	177,87326	15,827836	6,6760707					
18-12-2019 0:00	13:40:00	574,4	574,9	579,10004	50,031643	177,82985	15,827836	6,6760707					
18-12-2019 0:00	13:41:00	574,4	574,9	579,10004	49,936962	177,82985	15,827836	6,6760707					
18-12-2019 0:00	13:42:00	574,4	574,9	579,10004	49,981	178,39409	15,827836	6,6760707					
18-12-2019 0:00	13:43:00	574,4	574,9	579,10004	50,014187	177,96007	15,827836	6,6864147					
18-12-2019 0:00	13:44:00	574,4	574,9	579,10004	50,03553	178,39409	15,827836	6,6864147					
18-12-2019 0:00	13:45:00	574,4	574,9	579,10004	49,96582	177,56944	15,827836	6,70034					
18-12-2019 0:00	13:46:00	574,7	574,9	579,4	49,919804	177,96007	15,827836	6,6872106					
18-12-2019 0:00	13:47:00	574,7	575,4	579,4	50,01691	178,52429	15,827836	6,6872106					
18-12-2019 0:00	13:48:00	574,7	575,4	579,4	49,992485	178,4809	15,827836	6,6872106					
18-12-2019 0:00	13:49:00	574,7	574,8	579,4	49,997185	178,95833	15,827836	6,6872106					
18-12-2019 0:00	13:50:00	574,7	574,8	579,4	49,94423	177,91666	15,827836	6,6872106					
18-12-2019 0:00	13:51:00	574,7	574,8	579,4	50,04018	178,04688	15,827836	6,6872106					
18-12-2019 0:00	13:52:00	574,7	574,8	579,4	50,01976	178,11197	15,827836	6,6872106					
18-12-2019 0:00	13:53:00	574,7	575,4	579,4	49,99941	177,0269	15,827836	6,6872106					
18-12-2019 0:00	13:54:00	574,7	575,4	579,4	49,989964	178,63281	15,827836	6,6872106					
18-12-2019 0:00	13:55:00	574,7	575,4	579,4	49,971306	178,82812	15,827836	6,685221					
18-12-2019 0:00	13:56:00	574,7	575,4	579,4	49,9863	178,19878	15,827836	6,685221					
18-12-2019 0:00	13:57:00	573,5	574,3	578,3	49,986683	177,85156	15,827836	6,674479					
18-12-2019 0:00	13:58:00	573,5	573,5	577,60004	49,927757	177,63454	15,827836	6,674479					
18-12-2019 0:00	13:59:00	572,8	572,5	576,7	49,93801	177,80815	15,827836	6,674479					
18-12-2019 0:00	14:00:00	572	572,5	576,7	49,965145	178,19878	15,827836	6,674479					





DATO	31	31	31	31	31	31
PROMEDIO	6,69	6,70	0,96	668,03	0,56	6,68
DESV EST	0,0153	0,0123	0,0014	2,5501	0,0066	0,0011
DESV EST %						
MÁX	6,7326	6,7302	0,9639	674,3164	0,5724	6,6811
MÍN	6,6709	6,6661	0,9573	663,3789	0,5416	6,6765

DATE	Time	GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR
		11MKA01CE002B XQ01 XQ01	11MKA01CE002C XQ01 XQ01	11MKC01DE503  ZQ01	11MKC01EU001  ZQ01	11BBT01CE003 XQ01 XQ01	11BBE00CE001 XQ01 XQ01		
		kA	kA	CAP/IND	A	MW	KV		
18-12-2019 0:00	13:30:00	6,6824365	6,6911893	0,9597168	663,3789	0,5623264	6,6781974		
18-12-2019 0:00	13:31:00	6,6824365	6,6911893	0,9639282	663,3789	0,5623264	6,6781974		
18-12-2019 0:00	13:32:00	6,6824365	6,6911893	0,9599609	664,2578	0,5623264	6,6781974		
18-12-2019 0:00	13:33:00	6,6824365	6,6911893	0,9599609	664,2578	0,5623264	6,6781974		
18-12-2019 0:00	13:34:00	6,6824365	6,6911893	0,9599609	668,0664	0,5415654	6,679626		
18-12-2019 0:00	13:35:00	6,6824365	6,6911893	0,9620972	663,76953	0,5415654	6,679626		
18-12-2019 0:00	13:36:00	6,6824365	6,7043185	0,9597778	668,0664	0,5415654	6,67934		
18-12-2019 0:00	13:37:00	6,6888022	6,7043185	0,9597778	667,6758	0,557581	6,67934		
18-12-2019 0:00	13:38:00	6,6888022	6,7043185	0,9597778	667,6758	0,557581	6,6764827		
18-12-2019 0:00	13:39:00	6,6888022	6,7043185	0,9597778	667,6758	0,557581	6,678483		
18-12-2019 0:00	13:40:00	6,682834	6,7043185	0,9597778	667,6758	0,557581	6,678483		
18-12-2019 0:00	13:41:00	6,7325664	6,7043185	0,9597778	667,6758	0,557581	6,678483		
18-12-2019 0:00	13:42:00	6,6824365	6,7043185	0,9597778	667,6758	0,557581	6,6810546		
18-12-2019 0:00	13:43:00	6,6959634	6,7043185	0,9597778	670,89844	0,557581	6,67934		
18-12-2019 0:00	13:44:00	6,6959634	6,7043185	0,9597778	669,2383	0,557581	6,6764827		
18-12-2019 0:00	13:45:00	6,6959634	6,7043185	0,9597778	669,2383	0,557581	6,6781974		
18-12-2019 0:00	13:46:00	6,6959634	6,7043185	0,9573364	673,6328	0,557581	6,6781974		
18-12-2019 0:00	13:47:00	6,6959634	6,7043185	0,9573364	668,16406	0,557581	6,6781974		
18-12-2019 0:00	13:48:00	6,6959634	6,7190394	0,9597168	668,16406	0,557581	6,6781974		
18-12-2019 0:00	13:49:00	6,6959634	6,6983504	0,9597168	668,16406	0,557581	6,6799116		
18-12-2019 0:00	13:50:00	6,6959634	6,71705	0,9597168	674,3164	0,557581	6,6764827		
18-12-2019 0:00	13:51:00	6,6708984	6,71705	0,9573364	670,7031	0,557581	6,678483		
18-12-2019 0:00	13:52:00	6,6844254	6,71705	0,9573364	666,5039	0,557581	6,678483		
18-12-2019 0:00	13:53:00	6,7246094	6,6979527	0,9573364	671,09375	0,557581	6,678483		
18-12-2019 0:00	13:54:00	6,725007	6,7130713	0,9589844	667,28516	0,557581	6,678483		
18-12-2019 0:00	13:55:00	6,6872106	6,666124	0,9589844	667,28516	0,557581	6,678483		
18-12-2019 0:00	13:56:00	6,6872106	6,7190394	0,9589844	670,01953	0,557581	6,678483		
18-12-2019 0:00	13:57:00	6,6903934	6,720233	0,9589844	669,53125	0,5724103	6,678483		
18-12-2019 0:00	13:58:00	6,7186413	6,6987486	0,9589844	669,53125	0,5724103	6,678483		
18-12-2019 0:00	13:59:00	6,6812425	6,6987486	0,9589844	665,03906	0,5587673	6,6810546		
18-12-2019 0:00	14:00:00	6,7206306	6,7301793	0,9622192	668,9453	0,5587673	6,678483		



DATO	31	31
PROMEDIO	92,65	177,45
DESV EST	0,5257	0,5284
DESV EST %		
MÁX	93,3702	178,3217
MÍN	91,9596	176,4426

DATE	Time	MV INC FDR CUR L2 11BBT01CE102 XQ01 XQ01 A	UNIT LOAD SETPOINT GT 11CJA00DE100 XQ95 MW
18-12-2019 0:00	13:30:00	93,207466	176,88853
18-12-2019 0:00	13:31:00	93,207466	176,76508
18-12-2019 0:00	13:32:00	93,207466	178,16321
18-12-2019 0:00	13:33:00	91,95964	177,41731
18-12-2019 0:00	13:34:00	91,95964	177,03949
18-12-2019 0:00	13:35:00	91,95964	176,84062
18-12-2019 0:00	13:36:00	91,95964	177,49701
18-12-2019 0:00	13:37:00	91,95964	177,44588
18-12-2019 0:00	13:38:00	91,95964	176,44263
18-12-2019 0:00	13:39:00	91,95964	177,33348
18-12-2019 0:00	13:40:00	91,95964	177,58119
18-12-2019 0:00	13:41:00	91,95964	177,5265
18-12-2019 0:00	13:42:00	92,66493	177,428
18-12-2019 0:00	13:43:00	92,66493	177,57312
18-12-2019 0:00	13:44:00	92,66493	177,98035
18-12-2019 0:00	13:45:00	92,66493	177,55354
18-12-2019 0:00	13:46:00	92,66493	178,30055
18-12-2019 0:00	13:47:00	92,66493	178,04784
18-12-2019 0:00	13:48:00	92,66493	177,51573
18-12-2019 0:00	13:49:00	92,66493	178,26462
18-12-2019 0:00	13:50:00	92,66493	177,39893
18-12-2019 0:00	13:51:00	92,66493	177,5059
18-12-2019 0:00	13:52:00	92,66493	176,51392
18-12-2019 0:00	13:53:00	92,66493	176,89328
18-12-2019 0:00	13:54:00	93,37023	178,16179
18-12-2019 0:00	13:55:00	93,37023	178,32166
18-12-2019 0:00	13:56:00	93,37023	177,65518
18-12-2019 0:00	13:57:00	93,37023	177,50388
18-12-2019 0:00	13:58:00	93,37023	176,70804
18-12-2019 0:00	13:59:00	93,37023	176,93929
18-12-2019 0:00	14:00:00	92,66493	177,85999



		31		31		31		31		31		31			
		29,14		42,11		25,00		1002,59		950,93		13,00		408,79	
		0,0102		1,4160		0,4767		0,0598		0,1801		0,0272		1,9330	
		29,1580		44,3613		25,9549		1002,7127		951,2008		13,0733		413,8889	
		29,1233		39,6955		24,3345		1002,4523		950,5931		12,9666		406,0330	
		NG PRES 1 U/STR ESV		HUMEDAD RELATIVA		TEMPERATURA AMBIENTE		PRESION ATMOSFERICA		PRES U/STR COMPR		PRES COMPR OUTLET		DP C-C	
DATE	Time	11MBP13CP101 XQ01	11UMB10CM001 XQ01 XQ01	11UMB10CT001 XQ01 XQ01	11UMB10CP001 XQ01 XQ01	11MBA11CP101 XQ01	11MBA12CP101 XQ01	11MBM10CP101 XQ01							
		bar	%	CEL	hPa	mBar/abs	bar abs	mBar							
18-12-2019 0:00	14:45:00	29,157986	42,881943	24,652775	1002,6476	951,2008	12,990089	407,16144							
18-12-2019 0:00	14:46:00	29,146412	42,881943	24,560184	1002,6476	951,2008	13,0027485	409,33157							
18-12-2019 0:00	14:47:00	29,146412	43,33044	24,438656	1002,6476	951,114	13,015408	407,11804							
18-12-2019 0:00	14:48:00	29,143518	43,825954	24,377892	1002,66925	951,114	12,986472	409,85242							
18-12-2019 0:00	14:49:00	29,152199	43,825954	24,334488	1002,66925	951,114	12,999132	406,03296							
18-12-2019 0:00	14:50:00	29,157986	43,460648	24,458912	1002,71265	951,114	12,999132	408,98434							
18-12-2019 0:00	14:51:00	29,155092	43,460648	24,487846	1002,66925	951,114	13,004557	409,15796							
18-12-2019 0:00	14:52:00	29,13773	43,7283	24,493633	1002,66925	951,114	12,984664	407,20483							
18-12-2019 0:00	14:53:00	29,157986	43,7283	24,539928	1002,6041	951,114	12,988281	407,20483							
18-12-2019 0:00	14:54:00	29,123262	43,42086	24,63831	1002,5607	951,114	12,995515	407,42184							
18-12-2019 0:00	14:55:00	29,155092	42,755352	24,690392	1002,5607	951,114	13,0027485	407,42184							
18-12-2019 0:00	14:56:00	29,131943	42,755352	24,806133	1002,6041	951,0272	12,981048	407,42184							
18-12-2019 0:00	14:57:00	29,131943	42,755352	24,800346	1002,6041	951,0272	12,966579	407,42184							
18-12-2019 0:00	14:58:00	29,140623	44,361256	24,800346	1002,5607	951,0272	13,073278	411,37152							
18-12-2019 0:00	14:59:00	29,12905	42,751736	24,95081	1002,6041	951,0272	13,049768	411,37152							
18-12-2019 0:00	15:00:00	29,157986	42,43345	24,916088	1002,6041	950,8102	12,990089	411,37152							
18-12-2019 0:00	15:01:00	29,131943	41,829426	24,973957	1002,6041	950,8102	12,991898	409,33157							
18-12-2019 0:00	15:02:00	29,152199	41,57986	25,008678	1002,53906	950,8102	12,991898	410,50345							
18-12-2019 0:00	15:03:00	29,134836	41,865597	25,008678	1002,5607	950,8102	12,981048	407,76907							
18-12-2019 0:00	15:04:00	29,157986	41,630497	25,066551	1002,6041	950,8102	12,984664	407,76907							
18-12-2019 0:00	15:05:00	29,13773	41,833042	25,130207	1002,6041	950,8102	12,984664	407,76907							
18-12-2019 0:00	15:06:00	29,149305	41,833042	25,15625	1002,62585	950,8102	13,008174	406,11978							
18-12-2019 0:00	15:07:00	29,12905	41,095196	25,277775	1002,5607	950,8102	13,00094	408,28992							
18-12-2019 0:00	15:08:00	29,146412	40,72989	25,428238	1002,5607	950,8102	12,981048	408,28992							
18-12-2019 0:00	15:09:00	29,146412	40,455006	25,633678	1002,53906	950,8102	13,071469	413,8889							
18-12-2019 0:00	15:10:00	29,13773	40,024593	25,674187	1002,53906	950,8102	13,0624275	413,62845							
18-12-2019 0:00	15:11:00	29,134836	40,024593	25,633678	1002,53906	950,8102	12,9792385	408,94095							
18-12-2019 0:00	15:12:00	29,152199	40,3899	25,61053	1002,51733	950,8102	13,009982	408,94095							
18-12-2019 0:00	15:13:00	29,131943	40,3899	25,590275	1002,51733	950,59314	13,004557	408,94095							
18-12-2019 0:00	15:14:00	29,146412	39,695457	25,82465	1002,4523	950,59314	13,017217	408,28992							
18-12-2019 0:00	15:15:00	29,140623	39,695457	25,95486	1002,4956	950,59314	12,984664	408,28992							



		31	31	31	31	31	31	31
DATO		PROMEDIO	DESVEST	DESVEST %	MÁX	MÍN		
		-0,23	0,0717		-0,1049	-0,3707		
		9,78	0,0425		9,8579	9,6855		
		49774,83	186,5331		50055,5230	49417,7230		
		15,45	0,0571		15,6000	15,4000		
		592,84	1,2556		594,8000	590,6000		
		582,05	1,0823		583,8000	580,3000		
		577,46	1,0877		579,2000	575,8000		
DATE	Time	PRES EXH GAS HRS	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRS INL DUCT	T HRS INL DUCT	T HRS INL DUCT
		11HNA10CP001 XQ01	11EKD02FF901 XQ01	11EKD02CF001B XQ01	11MBP13FT901 ZQ01	11MBR10CT001A XQ01	11MBR10CT002A XQ01	11MBR10CT003A XQ01
		mBAR	kg/s	M3N/H	°C	°C	°C	°C
18-12-2019 0:00	14:45:00	-0,3616898	9,788253	49709,844	15,600006	592	581,2	576,5
18-12-2019 0:00	14:46:00	-0,2531829	9,726576	49492,117	15,600006	591,60004	581	576,3
18-12-2019 0:00	14:47:00	-0,2206308	9,758178	49814,74	15,5	591,60004	581	576,2
18-12-2019 0:00	14:48:00	-0,1880787	9,744299	49678,707	15,5	591,8	581,2	576,4
18-12-2019 0:00	14:49:00	-0,1808449	9,781911	49523,33	15,5	591,8	581,2	576,60004
18-12-2019 0:00	14:50:00	-0,3508391	9,759579	49709,414	15,5	591,8	581,2	576,4
18-12-2019 0:00	14:51:00	-0,213397	9,781582	49797,805	15,5	591,60004	581	576,4
18-12-2019 0:00	14:52:00	-0,1862703	9,729256	49505,754	15,5	592,2	581,4	576,8
18-12-2019 0:00	14:53:00	-0,1446759	9,73315	49525,57	15,5	592,5	581,60004	577
18-12-2019 0:00	14:54:00	-0,1790365	9,749235	49499,395	15,5	592,3	581,60004	576,9
18-12-2019 0:00	14:55:00	-0,2170139	9,735878	49704,55	15,5	592,3	581,60004	576,9
18-12-2019 0:00	14:56:00	-0,2531829	9,809585	49885,453	15,5	593,5	582,60004	577,9
18-12-2019 0:00	14:57:00	-0,3237124	9,81722	49926,33	15,5	594,3	583,2	578,5
18-12-2019 0:00	14:58:00	-0,3598814	9,743587	49744,23	15,5	594,10004	583,4	578,9
18-12-2019 0:00	14:59:00	-0,370732	9,817171	49804,62	15,400009	591,2	580,8	576,4
18-12-2019 0:00	15:00:00	-0,10489	9,793815	49752,24	15,400009	591	580,4	575,8
18-12-2019 0:00	15:01:00	-0,1157407	9,772091	49858,906	15,400009	593	581,8	577,4
18-12-2019 0:00	15:02:00	-0,2206308	9,834187	49919,85	15,400009	593	582	577,60004
18-12-2019 0:00	15:03:00	-0,2929688	9,843773	49947,23	15,400009	593,60004	582,60004	578
18-12-2019 0:00	15:04:00	-0,2513744	9,833582	50020,43	15,400009	594	583,2	578,4
18-12-2019 0:00	15:05:00	-0,1501013	9,74806	49442,31	15,400009	594,8	583,8	579,2
18-12-2019 0:00	15:06:00	-0,2513744	9,822431	49947,98	15,400009	594,8	583,8	579,2
18-12-2019 0:00	15:07:00	-0,3237124	9,8579035	50055,523	15,400009	594,4	583,60004	579,2
18-12-2019 0:00	15:08:00	-0,213397	9,75993	49836,566	15,400009	594,5	583,60004	579
18-12-2019 0:00	15:09:00	-0,2242477	9,822518	49933,637	15,400009	591,4	581,3	577,2
18-12-2019 0:00	15:10:00	-0,2929688	9,773178	49962,52	15,400009	590,60004	580,3	575,8
18-12-2019 0:00	15:11:00	-0,2170139	9,840687	49958,29	15,400009	592,8	581,5	577,10004
18-12-2019 0:00	15:12:00	-0,1157407	9,803412	49883,09	15,400009	593,8	582,7	578,3
18-12-2019 0:00	15:13:00	-0,2115885	9,789006	49866,234	15,400009	593,8	583	578,3
18-12-2019 0:00	15:14:00	-0,2604167	9,797088	49895,285	15,400009	593,8	582,8	578,3
18-12-2019 0:00	15:15:00	-0,1681858	9,685499	49417,723	15,400009	594,2	583,2	578,5



		31		31		31		31		31		31	
		PROMEDIO		579,60		583,22		49,95		168,95		15,83	
		DESV EST		1,1263		1,1496		0,0336		0,5005		0,0000	
		DESV EST %											
		MÁX		581,5000		585,2000		50,0580		169,7569		15,8278	
		MÍN		575,9000		581,6000		49,8957		167,1962		15,8278	
		T HRSG INL DUCT		T HRSG INL DUCT		T HRSG INL DUCT		TURBINE SPEED		ACTIVE POWER		GEN VOLTAGE L1-L2	
DATE	Time	11MBR10CT004A XQ01	11MBR10CT005A XQ01	11MBR10CT006A XQ01	11MBY10CS901 ZQ11	11MBY10CE901 XQ01	11MKA01CE001A XQ01 XQ01	11MKA01CE002A XQ01 XQ01					
		°C		°C		°C		s-1		MW		kV	
		°C		°C		°C		s-1		MW		kA	
18-12-2019 0:00	14:45:00	576,10004	578,5	581,8	49,923054	168,75867	15,827836	6,412688					
18-12-2019 0:00	14:46:00	576,7	578,5	582,2	49,95497	168,78038	15,827836	6,4297957					
18-12-2019 0:00	14:47:00	576,7	578,5	582,2	49,97114	169,27951	15,827836	6,4297957					
18-12-2019 0:00	14:48:00	576,3	578,5	582,2	49,970535	168,38976	15,827836	6,4297957					
18-12-2019 0:00	14:49:00	576,3	578,5	582,2	49,92959	168,75867	15,827836	6,4297957					
18-12-2019 0:00	14:50:00	576,8	578,5	582,2	49,93568	169,75694	15,827836	6,41229					
18-12-2019 0:00	14:51:00	576,8	578,7	582,2	49,99068	168,86719	15,827836	6,4174623					
18-12-2019 0:00	14:52:00	576,8	578,7	582,2	49,997784	168,80208	15,827836	6,4174623					
18-12-2019 0:00	14:53:00	576,8	578,7	582,2	49,97724	168,43315	15,827836	6,4218388					
18-12-2019 0:00	14:54:00	576,8	579,3	582,9	49,95043	169,2144	15,827836	6,4218388					
18-12-2019 0:00	14:55:00	576,8	579,3	582,9	49,949318	169,64844	15,827836	6,4624205					
18-12-2019 0:00	14:56:00	577,7	579,3	582,9	49,951637	168,73697	15,827836	6,4365597					
18-12-2019 0:00	14:57:00	578,60004	580,4	584,10004	49,943607	169,43141	15,827836	6,431785					
18-12-2019 0:00	14:58:00	578,60004	581,2	585	49,952026	169,38802	15,827836	6,431785					
18-12-2019 0:00	14:59:00	576,3	578,8	582,60004	49,924923	168,41145	15,827836	6,431785					
18-12-2019 0:00	15:00:00	576,3	578	581,7	49,920322	169,2361	15,827836	6,431785					
18-12-2019 0:00	15:01:00	577,4	579,10004	582,9	49,895676	168,73697	15,827836	6,431785					
18-12-2019 0:00	15:02:00	577,4	579,7	583,4	49,966396	169,25781	15,827836	6,431785					
18-12-2019 0:00	15:03:00	578,10004	579,7	583,4	49,94783	168,82378	15,827836	6,432581					
18-12-2019 0:00	15:04:00	578,10004	580,5	584,2	49,907303	167,19617	15,827836	6,432581					
18-12-2019 0:00	15:05:00	578,8	581,5	585,2	49,96343	168,78038	15,827836	6,432581					
18-12-2019 0:00	15:06:00	579,3	581,5	585,2	50,058018	168,71527	15,827836	6,3526115					
18-12-2019 0:00	15:07:00	579,3	581,5	585,2	49,993305	168,99739	15,827836	6,465205					
18-12-2019 0:00	15:08:00	579,3	581,5	585,2	49,944492	168,80208	15,827836	6,4158707					
18-12-2019 0:00	15:09:00	577	580,2	582,8	49,920578	169,1927	15,827836	6,428602					
18-12-2019 0:00	15:10:00	575,9	578	581,60004	49,924202	169,01909	15,827836	6,428602					
18-12-2019 0:00	15:11:00	577,10004	579,10004	582,8	49,932636	168,88889	15,827836	6,4675927					
18-12-2019 0:00	15:12:00	578,3	580,3	583,9	49,9278	169,64844	15,827836	6,4202476					
18-12-2019 0:00	15:13:00	578,3	580,3	584,2	49,912544	168,86719	15,827836	6,4337745					
18-12-2019 0:00	15:14:00	578,3	580,60004	584,2	50,00151	169,67014	15,827836	6,4337745					
18-12-2019 0:00	15:15:00	578,3	580,60004	584,2	49,946373	168,84547	15,827836	6,4703774					



		31		31		31		31		31			
		6,43		6,46		0,95		663,96		0,56			
		0,0197		0,0163		0,0010		2,6539		0,0114			
		6,4791		6,4879		0,9482		671,5820		0,5991			
		6,4000		6,4246		0,9441		655,3711		0,5499			
DATE	Time	GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR		EXC CURRENT		U AUX ACTIVE POWER		GT AUX TFR	
		11MKA01CE002B XQ01 XQ01		11MKA01CE002C XQ01 XQ01		11MKC01DE503  ZQ01		11MKC01EU001  ZQ01		11BBT01CE003 XQ01 XQ01		11BBE00CE001 XQ01 XQ01	
		kA		kA		CAP/IND		A		MW		KV	
18-12-2019 0:00	14:45:00	6,420645	6,420645	6,4695816	6,4695816	0,9481812	0,9481812	664,7461	664,7461	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:46:00	6,4461083	6,4461083	6,4421296	6,4421296	0,9470825	0,9470825	661,3281	661,3281	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:47:00	6,4087095	6,4087095	6,4616246	6,4616246	0,9470825	0,9470825	661,3281	661,3281	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:48:00	6,4202476	6,4202476	6,4258175	6,4258175	0,9470825	0,9470825	667,5781	667,5781	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:49:00	6,4202476	6,4202476	6,468388	6,468388	0,9470825	0,9470825	665,33203	665,33203	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:50:00	6,428602	6,428602	6,4393444	6,4393444	0,9470825	0,9470825	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:51:00	6,428602	6,428602	6,4755497	6,4755497	0,9470825	0,9470825	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:52:00	6,428602	6,428602	6,4874854	6,4874854	0,9470825	0,9470825	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:53:00	6,428602	6,428602	6,4679904	6,4679904	0,9445801	0,9445801	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:54:00	6,428602	6,428602	6,4656034	6,4656034	0,946167	0,946167	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:55:00	6,428602	6,428602	6,4656034	6,4656034	0,946167	0,946167	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:56:00	6,428602	6,428602	6,458044	6,458044	0,946167	0,946167	662,40234	662,40234	0,5498698	0,5498698	6,6781974	6,6781974
18-12-2019 0:00	14:57:00	6,428602	6,428602	6,458044	6,458044	0,946167	0,946167	662,40234	662,40234	0,5730035	0,5730035	6,6781974	6,6781974
18-12-2019 0:00	14:58:00	6,4500866	6,4500866	6,458044	6,458044	0,946167	0,946167	662,40234	662,40234	0,5563946	0,5563946	6,6781974	6,6781974
18-12-2019 0:00	14:59:00	6,426215	6,426215	6,458044	6,458044	0,946167	0,946167	664,84375	664,84375	0,5563946	0,5563946	6,6790543	6,6790543
18-12-2019 0:00	15:00:00	6,471571	6,471571	6,480324	6,480324	0,946167	0,946167	664,84375	664,84375	0,5563946	0,5563946	6,6781974	6,6781974
18-12-2019 0:00	15:01:00	6,454463	6,454463	6,481518	6,481518	0,946167	0,946167	664,84375	664,84375	0,5563946	0,5563946	6,6781974	6,6781974
18-12-2019 0:00	15:02:00	6,3999567	6,3999567	6,424624	6,424624	0,946167	0,946167	664,84375	664,84375	0,5558015	0,5558015	6,6781974	6,6781974
18-12-2019 0:00	15:03:00	6,455259	6,455259	6,479926	6,479926	0,9440918	0,9440918	664,84375	664,84375	0,5558015	0,5558015	6,6781974	6,6781974
18-12-2019 0:00	15:04:00	6,4134836	6,4134836	6,487883	6,487883	0,9440918	0,9440918	664,84375	664,84375	0,5558015	0,5558015	6,6781974	6,6781974
18-12-2019 0:00	15:05:00	6,4198494	6,4198494	6,4795284	6,4795284	0,9440918	0,9440918	664,84375	664,84375	0,5558015	0,5558015	6,6781974	6,6781974
18-12-2019 0:00	15:06:00	6,4560547	6,4560547	6,4763455	6,4763455	0,9451294	0,9451294	664,84375	664,84375	0,5558015	0,5558015	6,6781974	6,6781974
18-12-2019 0:00	15:07:00	6,4023438	6,4023438	6,433377	6,433377	0,9451294	0,9451294	666,7969	666,7969	0,5558015	0,5558015	6,6781974	6,6781974
18-12-2019 0:00	15:08:00	6,4023438	6,4023438	6,4663987	6,4663987	0,9451294	0,9451294	664,35547	664,35547	0,5724103	0,5724103	6,678483	6,678483
18-12-2019 0:00	15:09:00	6,449689	6,449689	6,4663987	6,4663987	0,9451294	0,9451294	664,35547	664,35547	0,5724103	0,5724103	6,6770544	6,6770544
18-12-2019 0:00	15:10:00	6,449689	6,449689	6,4663987	6,4663987	0,9451294	0,9451294	664,35547	664,35547	0,5724103	0,5724103	6,6770544	6,6770544
18-12-2019 0:00	15:11:00	6,424226	6,424226	6,4663987	6,4663987	0,9451294	0,9451294	664,35547	664,35547	0,5724103	0,5724103	6,67934	6,67934
18-12-2019 0:00	15:12:00	6,454463	6,454463	6,4663987	6,4663987	0,9451294	0,9451294	671,58203	671,58203	0,5724103	0,5724103	6,678483	6,678483
18-12-2019 0:00	15:13:00	6,434172	6,434172	6,4663987	6,4663987	0,9451294	0,9451294	666,5039	666,5039	0,599103	0,599103	6,6776257	6,6776257
18-12-2019 0:00	15:14:00	6,434172	6,434172	6,4663987	6,4663987	0,9451294	0,9451294	655,3711	655,3711	0,5635127	0,5635127	6,6776257	6,6776257
18-12-2019 0:00	15:15:00	6,4791303	6,4791303	6,4663987	6,4663987	0,9451294	0,9451294	664,5508	664,5508	0,5635127	0,5635127	6,6776257	6,6776257



DATO	31	31
PROMEDIO	92,73	168,34
DESV EST	0,9827	0,4862
DESV EST %		
MÁX	94,2925	169,7032
MÍN	91,7426	167,1942

DATE	Time	MV INC FDR CUR L2 11BBT01CE102 XQ01 XQ01	UNIT LOAD SETPOINT GT 11CJA00DE100 XQ95
		A	MW
18-12-2019 0:00	14:45:00	92,01389	168,16302
18-12-2019 0:00	14:46:00	92,01389	168,12852
18-12-2019 0:00	14:47:00	92,01389	168,34138
18-12-2019 0:00	14:48:00	92,01389	168,09496
18-12-2019 0:00	14:49:00	92,01389	168,34613
18-12-2019 0:00	14:50:00	92,01389	169,42526
18-12-2019 0:00	14:51:00	92,01389	168,1226
18-12-2019 0:00	14:52:00	92,66493	168,30843
18-12-2019 0:00	14:53:00	92,66493	167,8738
18-12-2019 0:00	14:54:00	92,66493	168,7805
18-12-2019 0:00	14:55:00	92,66493	169,70323
18-12-2019 0:00	14:56:00	92,66493	168,53789
18-12-2019 0:00	14:57:00	92,66493	168,26051
18-12-2019 0:00	14:58:00	91,74262	168,28908
18-12-2019 0:00	14:59:00	91,74262	168,40173
18-12-2019 0:00	15:00:00	91,74262	168,73651
18-12-2019 0:00	15:01:00	91,74262	168,29561
18-12-2019 0:00	15:02:00	92,2309	168,27687
18-12-2019 0:00	15:03:00	92,2309	167,19418
18-12-2019 0:00	15:04:00	92,2309	167,99239
18-12-2019 0:00	15:05:00	92,2309	169,2692
18-12-2019 0:00	15:06:00	92,2309	167,8776
18-12-2019 0:00	15:07:00	92,2309	168,48143
18-12-2019 0:00	15:08:00	94,292534	168,30046
18-12-2019 0:00	15:09:00	94,292534	167,90652
18-12-2019 0:00	15:10:00	94,292534	168,20145
18-12-2019 0:00	15:11:00	94,292534	168,411
18-12-2019 0:00	15:12:00	94,292534	167,97696
18-12-2019 0:00	15:13:00	94,292534	168,19136
18-12-2019 0:00	15:14:00	94,292534	168,60097
18-12-2019 0:00	15:15:00	94,292534	168,06673



		31	31	31	31	31	31	31							
DATO		29,17	37,97	26,72	1002,18	949,79	12,52	398,31							
PROMEDIO		0,0094	0,8896	0,3066	0,0467	0,2016	0,0137	1,5636							
DESV EST		29,1898	39,4350	27,2598	1002,3003	950,1591	12,5416	402,8212							
DESV EST %		29,1493	36,6753	26,0388	1002,1050	949,5804	12,4837	394,4010							
MÁX		NG PRES 1 U/STR ESV		HUMEDAD RELATIVA		TEMPERATURA AMBIENTE		PRESION ATMOSFERICA		PRES U/STR COMPR		PRES COMPR OUTLET		DP C-C	
DATE	Time	11MBP13CP101 XQ01	11UMB10CM001 XQ01 XQ01	11UMB10CT001 XQ01 XQ01	11UMB10CP001 XQ01 XQ01	11MBA11CP101 XQ01	11MBA12CP101 XQ01	11MBM10CP101 XQ01	bar	%	CEL	hPa	mBar/abs	bar abs	mBar
18-12-2019 0:00	16:00:00	29,163773	39,265045	26,038773	1002,2352	950,1591	12,510851	397,4392							
18-12-2019 0:00	16:01:00	29,17824	39,43504	26,223957	1002,19183	950,1591	12,503616	397,4392							
18-12-2019 0:00	16:02:00	29,157986	39,171005	26,501736	1002,2352	950,1591	12,516275	397,4392							
18-12-2019 0:00	16:03:00	29,181133	38,07147	26,773724	1002,2135	949,97107	12,5	397,4392							
18-12-2019 0:00	16:04:00	29,166666	37,2432	26,909721	1002,2135	949,97107	12,532552	394,40103							
18-12-2019 0:00	16:05:00	29,152199	36,7296	27,028355	1002,1701	949,97107	12,509042	397,61282							
18-12-2019 0:00	16:06:00	29,166666	36,7296	27,083332	1002,1701	949,97107	12,505425	397,61282							
18-12-2019 0:00	16:07:00	29,166666	37,261284	26,831596	1002,1701	949,97107	12,518085	397,61282							
18-12-2019 0:00	16:08:00	29,166666	38,06062	26,620369	1002,1701	949,97107	12,518085	397,61282							
18-12-2019 0:00	16:09:00	29,189814	38,39337	26,420715	1002,1701	949,97107	12,509042	397,61282							
18-12-2019 0:00	16:10:00	29,166666	38,085938	26,37442	1002,19183	949,8264	12,498191	397,61282							
18-12-2019 0:00	16:11:00	29,189814	37,98828	26,388885	1002,1267	949,8264	12,490957	397,61282							
18-12-2019 0:00	16:12:00	29,172453	37,98828	26,533562	1002,19183	949,8264	12,514467	397,61282							
18-12-2019 0:00	16:13:00	29,172453	37,655525	26,759258	1002,19183	949,8264	12,505425	397,61282							
18-12-2019 0:00	16:14:00	29,172453	36,675346	27,019676	1002,1267	949,8264	12,516275	397,61282							
18-12-2019 0:00	16:15:00	29,16088	37,055122	27,077545	1002,1267	949,8264	12,516275	397,61282							
18-12-2019 0:00	16:16:00	29,166666	37,055122	27,245369	1002,105	949,8264	12,525318	397,61282							
18-12-2019 0:00	16:17:00	29,16956	37,055122	27,259838	1002,1701	949,8264	12,501808	398,09027							
18-12-2019 0:00	16:18:00	29,172453	37,055122	27,04861	1002,19183	949,58044	12,483724	398,09027							
18-12-2019 0:00	16:19:00	29,155092	36,935764	26,941551	1002,1267	949,58044	12,521701	401,04166							
18-12-2019 0:00	16:20:00	29,16956	37,167244	26,820023	1002,1267	949,58044	12,5415945	399,30554							
18-12-2019 0:00	16:21:00	29,166666	37,57957	26,666664	1002,1701	949,58044	12,52351	397,4392							
18-12-2019 0:00	16:22:00	29,166666	37,97743	26,536457	1002,1267	949,58044	12,527126	401,17184							
18-12-2019 0:00	16:23:00	29,166666	38,736977	26,420715	1002,19183	949,58044	12,52351	400,47742							
18-12-2019 0:00	16:24:00	29,166666	39,17824	26,319443	1002,19183	949,58044	12,525318	398,5677							
18-12-2019 0:00	16:25:00	29,166666	39,416954	26,472801	1002,19183	949,58044	12,530744	398,5677							
18-12-2019 0:00	16:26:00	29,149305	39,080585	26,533562	1002,19183	949,58044	12,525318	398,5677							
18-12-2019 0:00	16:27:00	29,17824	39,080585	26,70428	1002,2352	949,58044	12,521701	398,5677							
18-12-2019 0:00	16:28:00	29,155092	38,085938	26,854744	1002,2135	949,58044	12,53436	398,5677							
18-12-2019 0:00	16:29:00	29,172453	38,36082	26,912613	1002,3003	949,58044	12,53436	402,82117							
18-12-2019 0:00	16:30:00	29,157986	38,59592	26,889465	1002,3003	949,58044	12,53436	400,82465							





DATO	31	31	31	31	31	31	31
PROMEDIO	-0,18	9,40	47848,07	15,70	597,40	589,06	584,50
DESV EST	0,0955	0,0456	236,8210	0,0000	0,7696	0,7450	0,7174
DESV EST %							
MÁX	-0,0506	9,4569	48241,4260	15,7000	598,7000	590,3000	585,7000
MÍN	-0,4304	9,2537	47086,1640	15,7000	595,2000	586,9000	582,6000

DATE	Time	PRES EXH GAS HRSG INL 11HNA10CP001 XQ01 mBAR	FG FLOW CALC 11EKD02FF901 XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901 ZQ01 °C	T HRSG INL DUCT 11MBR10CT001A XQ01 °C	T HRSG INL DUCT 11MBR10CT002A XQ01 °C	T HRSG INL DUCT 11MBR10CT003A XQ01 °C
18-12-2019 0:00	16:00:00	-0,4304109	9,3919115	47884,28	15,699997	597,60004	589,3	584,7
18-12-2019 0:00	16:01:00	-0,4304109	9,448072	48177,176	15,699997	597,8	589,3	584,7
18-12-2019 0:00	16:02:00	-0,0705295	9,433059	48038,508	15,699997	598,2	589,7	585,10004
18-12-2019 0:00	16:03:00	-0,141059	9,404497	47892,29	15,699997	597,8	589,7	585,3
18-12-2019 0:00	16:04:00	-0,1844618	9,429756	47944,824	15,699997	597,4	589,10004	584,7
18-12-2019 0:00	16:05:00	-0,1862703	9,394323	47907,586	15,699997	597	588,9	584,5
18-12-2019 0:00	16:06:00	-0,141059	9,409656	47843,625	15,699997	597,60004	589,3	584,7
18-12-2019 0:00	16:07:00	-0,1844618	9,317427	47410,227	15,699997	597,60004	589,3	584,7
18-12-2019 0:00	16:08:00	-0,1844618	9,440239	47963,055	15,699997	597,4	589,10004	584,5
18-12-2019 0:00	16:09:00	-0,1953125	9,452902	48004,055	15,699997	597,4	589,10004	584,5
18-12-2019 0:00	16:10:00	-0,1139323	9,33059	47592,504	15,699997	598	589,5	584,9
18-12-2019 0:00	16:11:00	-0,2513744	9,423807	47894,75	15,699997	598,4	589,9	585,3
18-12-2019 0:00	16:12:00	-0,2224392	9,3482895	47567,273	15,699997	598,4	590,10004	585,5
18-12-2019 0:00	16:13:00	-0,0506366	9,389312	47904,484	15,699997	598,2	589,7	585,3
18-12-2019 0:00	16:14:00	-0,1501013	9,432202	47927,176	15,699997	598	589,5	585,10004
18-12-2019 0:00	16:15:00	-0,1482928	9,432559	48057,773	15,699997	597,8	589,7	585
18-12-2019 0:00	16:16:00	-0,1066985	9,440316	48241,426	15,699997	598	589,7	585
18-12-2019 0:00	16:17:00	-0,0687211	9,4569235	48084,773	15,699997	598,10004	589,9	585,2
18-12-2019 0:00	16:18:00	-0,3327546	9,421005	47937,27	15,699997	598,7	590,3	585,7
18-12-2019 0:00	16:19:00	-0,141059	9,375386	47705,15	15,699997	595,2	586,9	582,60004
18-12-2019 0:00	16:20:00	-0,2115885	9,4349985	47930,664	15,699997	596,9	588,5	583,9
18-12-2019 0:00	16:21:00	-0,1790365	9,370562	47738,22	15,699997	596,9	588,7	584
18-12-2019 0:00	16:22:00	-0,1229745	9,38799	47976,016	15,699997	597,3	588,7	584,2
18-12-2019 0:00	16:23:00	-0,0759549	9,342464	47488,523	15,699997	597,10004	588,7	584
18-12-2019 0:00	16:24:00	-0,1844618	9,401343	47985,973	15,699997	597,10004	588,7	584
18-12-2019 0:00	16:25:00	-0,1862703	9,418251	47987,152	15,699997	596,9	588,7	584,10004
18-12-2019 0:00	16:26:00	-0,3671152	9,378262	47781,164	15,699997	596,9	588,5	583,9
18-12-2019 0:00	16:27:00	-0,1139323	9,253739	47086,164	15,699997	596,9	588,7	584,10004
18-12-2019 0:00	16:28:00	-0,1519097	9,381763	47718,05	15,699997	596,5	588,10004	583,7
18-12-2019 0:00	16:29:00	-0,1790365	9,352726	47658,434	15,699997	596,10004	587,9	583,3
18-12-2019 0:00	16:30:00	-0,1085069	9,421875	47961,492	15,699997	596,10004	587,8	583,3



		31		31		31		31		31		31	
		PROMEDIO		582,38		585,70		49,94		159,90		15,83	
		DESV EST		0,6315		0,6468		0,0338		0,5419		0,0000	
		DESV EST %											
		MÁX		583,4000		586,5000		50,0147		160,8160		15,8278	
		MÍN		580,9000		584,0000		49,8649		158,7326		15,8278	
		T HRSG INL DUCT		T HRSG INL DUCT		T HRSG INL DUCT		TURBINE SPEED		ACTIVE POWER		GEN VOLTAGE L1-L2	
DATE	Time	11MBR10CT004A XQ01	11MBR10CT005A XQ01	11MBR10CT006A XQ01	11MBY10CS901 ZQ11	11MBY10CE901 XQ01	11MKA01CE001A XQ01 XQ01	11MKA01CE002A XQ01 XQ01					
		°C		°C		°C		s-1		MW		kV	
		°C		°C		°C		s-1		MW		kA	
18-12-2019 0:00	16:00:00	581,60004	582,60004	585,9	49,92375	159,8177	15,827836	6,0963902					
18-12-2019 0:00	16:01:00	582	582,60004	585,9	49,93801	159,27516	15,827836	6,10196					
18-12-2019 0:00	16:02:00	582	582,60004	585,9	49,961185	159,27516	15,827836	6,1210575					
18-12-2019 0:00	16:03:00	582,60004	583,2	586,5	49,904858	159,90451	15,827836	6,1210575					
18-12-2019 0:00	16:04:00	582,60004	582,3	585,7	49,945145	159,8611	15,827836	6,090422					
18-12-2019 0:00	16:05:00	581,7	582,3	585,7	49,885216	160,27344	15,827836	6,1381655					
18-12-2019 0:00	16:06:00	581,7	582,3	585,7	49,916576	158,73264	15,827836	6,1111111					
18-12-2019 0:00	16:07:00	581,7	582,3	585,7	49,930843	160,68576	15,827836	6,1111111					
18-12-2019 0:00	16:08:00	581,7	582,3	585,7	49,92848	160,81596	15,827836	6,121455					
18-12-2019 0:00	16:09:00	581,7	582,3	585,7	49,941	160,20833	15,827836	6,121455					
18-12-2019 0:00	16:10:00	581,7	582,60004	585,7	49,96351	159,47047	15,827836	6,121455					
18-12-2019 0:00	16:11:00	582,60004	583,4	586,5	49,86489	159,21007	15,827836	6,121455					
18-12-2019 0:00	16:12:00	582,60004	583,4	586,5	49,929295	159,8394	15,827836	6,121455					
18-12-2019 0:00	16:13:00	582,60004	583,4	586,5	49,91191	160,36023	15,827836	6,121455					
18-12-2019 0:00	16:14:00	582,60004	583	586,5	50,01471	160,31683	15,827836	6,121455					
18-12-2019 0:00	16:15:00	582,3	583	586,5	49,959858	160,44704	15,827836	6,1489077					
18-12-2019 0:00	16:16:00	582,3	583	586,5	50,003983	160,77257	15,827836	6,1095195					
18-12-2019 0:00	16:17:00	582,3	583	586,4	49,93809	159,42708	15,827836	6,1095195					
18-12-2019 0:00	16:18:00	582,3	583	586,4	49,939156	159,25346	15,827836	6,1095195					
18-12-2019 0:00	16:19:00	579,8	581,8	584	49,90163	160,42534	15,827836	6,145327					
18-12-2019 0:00	16:20:00	580,9	580,9	585,10004	49,910233	160,75085	15,827836	6,119068					
18-12-2019 0:00	16:21:00	580,9	582	585,10004	49,987362	159,8394	15,827836	6,119068					
18-12-2019 0:00	16:22:00	581,4	582	585,10004	49,92335	159,49219	15,827836	6,091218					
18-12-2019 0:00	16:23:00	581,4	582	585,5	49,952106	159,44878	15,827836	6,1162834					
18-12-2019 0:00	16:24:00	581,4	582	585,5	49,922863	160,20833	15,827836	6,1162834					
18-12-2019 0:00	16:25:00	581,4	582	585,5	49,9499	159,34027	15,827836	6,1162834					
18-12-2019 0:00	16:26:00	581	582	585,10004	49,980637	159,8611	15,827836	6,1162834					
18-12-2019 0:00	16:27:00	581	582	585,10004	49,97147	159,7526	15,827836	6,1162834					
18-12-2019 0:00	16:28:00	581	582	585,10004	49,941223	160,18663	15,827836	6,1162834					
18-12-2019 0:00	16:29:00	581	581,3	585,10004	49,981987	160,25172	15,827836	6,1162834					
18-12-2019 0:00	16:30:00	581	581,3	584,5	49,981213	159,44878	15,827836	6,1162834					



		31		31		31		31		31	
		6,12		6,13		0,94		644,79		0,55	
		0,0203		0,0162		0,0011		1,5968		0,0138	
		6,1911		6,1887		0,9451		648,1445		0,5872	
		6,0681		6,0940		0,9398		640,4297		0,5178	
		GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR		EXC CURRENT		U AUX ACTIVE POWER	
DATE	Time	11MKA01CE002B XQ01 XQ01		11MKA01CE002C XQ01 XQ01		11MKC01DE503  ZQ01		11MKC01EU001  ZQ01		11BBT01CE003 XQ01 XQ01	
		kA		kA		CAP/IND		A		MW	
										KV	
18-12-2019 0:00	16:00:00	6,1150894	6,1150894	6,0959926	6,117477	0,9451294	644,1406	0,5314814	6,6790543		
18-12-2019 0:00	16:01:00	6,1150894	6,1150894	6,117477	6,117477	0,9420776	644,1406	0,5546151	6,6790543		
18-12-2019 0:00	16:02:00	6,1150894	6,1150894	6,117477	6,117477	0,9420776	644,1406	0,5546151	6,6790543		
18-12-2019 0:00	16:03:00	6,1150894	6,1150894	6,1274233	6,1274233	0,9420776	644,1406	0,5546151	6,6790543		
18-12-2019 0:00	16:04:00	6,1150894	6,1150894	6,1274233	6,1274233	0,9420776	644,1406	0,5546151	6,6767683		
18-12-2019 0:00	16:05:00	6,1150894	6,1150894	6,1274233	6,1274233	0,9420776	644,1406	0,5546151	6,6781974		
18-12-2019 0:00	16:06:00	6,111509	6,111509	6,1274233	6,1274233	0,9420776	642,28516	0,5178385	6,6781974		
18-12-2019 0:00	16:07:00	6,140155	6,140155	6,1656175	6,1656175	0,9420776	647,0703	0,5237702	6,679626		
18-12-2019 0:00	16:08:00	6,0784864	6,0784864	6,1210575	6,1210575	0,9420776	640,4297	0,5237702	6,679626		
18-12-2019 0:00	16:09:00	6,1274233	6,1274233	6,1886935	6,1886935	0,9420776	647,0703	0,5237702	6,679626		
18-12-2019 0:00	16:10:00	6,1274233	6,1274233	6,1373696	6,1373696	0,9420776	645,7031	0,5237702	6,679626		
18-12-2019 0:00	16:11:00	6,1274233	6,1274233	6,1373696	6,1373696	0,9398193	645,7031	0,5469039	6,6776257		
18-12-2019 0:00	16:12:00	6,1274233	6,1274233	6,1373696	6,1373696	0,9398193	647,16797	0,5469039	6,680483		
18-12-2019 0:00	16:13:00	6,1274233	6,1274233	6,1373696	6,1373696	0,9398193	647,16797	0,5469039	6,6779113		
18-12-2019 0:00	16:14:00	6,1274233	6,1274233	6,094003	6,094003	0,9431152	644,1406	0,5469039	6,67934		
18-12-2019 0:00	16:15:00	6,142144	6,142144	6,1270256	6,1270256	0,9431152	644,1406	0,5469039	6,67934		
18-12-2019 0:00	16:16:00	6,1910806	6,1910806	6,1270256	6,1270256	0,9431152	644,1406	0,5469039	6,67934		
18-12-2019 0:00	16:17:00	6,1409507	6,1409507	6,1270256	6,1270256	0,9406738	644,1406	0,5469039	6,6770544		
18-12-2019 0:00	16:18:00	6,0681424	6,0681424	6,1270256	6,1270256	0,9442749	644,1406	0,557581	6,678483		
18-12-2019 0:00	16:19:00	6,137768	6,137768	6,1270256	6,1270256	0,9442749	644,1406	0,557581	6,678483		
18-12-2019 0:00	16:20:00	6,1512947	6,1512947	6,1270256	6,1270256	0,9422607	644,1406	0,557581	6,678483		
18-12-2019 0:00	16:21:00	6,122251	6,122251	6,1270256	6,1270256	0,9422607	644,1406	0,5415654	6,678483		
18-12-2019 0:00	16:22:00	6,122251	6,122251	6,1270256	6,1270256	0,9422607	644,1406	0,5415654	6,6799116		
18-12-2019 0:00	16:23:00	6,122251	6,122251	6,1270256	6,1270256	0,9422607	644,1406	0,5872396	6,6799116		
18-12-2019 0:00	16:24:00	6,127821	6,127821	6,1270256	6,1270256	0,9422607	644,1406	0,5522425	6,6770544		
18-12-2019 0:00	16:25:00	6,127821	6,127821	6,1270256	6,1270256	0,9422607	644,1406	0,5522425	6,6790543		
18-12-2019 0:00	16:26:00	6,117079	6,117079	6,1270256	6,1270256	0,9422607	644,1406	0,5522425	6,6790543		
18-12-2019 0:00	16:27:00	6,117079	6,117079	6,1270256	6,1270256	0,9422607	646,77734	0,5522425	6,6790543		
18-12-2019 0:00	16:28:00	6,1194663	6,1194663	6,1270256	6,1270256	0,9422607	646,77734	0,5522425	6,6790543		
18-12-2019 0:00	16:29:00	6,1194663	6,1194663	6,1270256	6,1270256	0,9422607	648,14453	0,5522425	6,6790543		
18-12-2019 0:00	16:30:00	6,1194663	6,1194663	6,1270256	6,1270256	0,9422607	645,60547	0,5522425	6,6790543		



DATO	31	31
PROMEDIO	91,14	159,44
DESV EST	0,5789	0,4723
DESV EST %		
MÁX	91,7426	160,6820
MÍN	90,0608	158,2449

DATE	Time	MV INC FDR CUR L2 11BBT01CE102 XQ01 XQ01	UNIT LOAD SETPOINT GT 11CJA00DE100 XQ95
		A	MW
18-12-2019 0:00	16:00:00	90,657555	159,9343
18-12-2019 0:00	16:01:00	90,657555	158,63492
18-12-2019 0:00	16:02:00	90,657555	159,35226
18-12-2019 0:00	16:03:00	90,657555	159,15459
18-12-2019 0:00	16:04:00	90,657555	159,17213
18-12-2019 0:00	16:05:00	90,657555	159,64778
18-12-2019 0:00	16:06:00	90,657555	159,97626
18-12-2019 0:00	16:07:00	90,657555	160,12903
18-12-2019 0:00	16:08:00	90,657555	159,67744
18-12-2019 0:00	16:09:00	90,657555	160,06425
18-12-2019 0:00	16:10:00	90,06077	159,15744
18-12-2019 0:00	16:11:00	90,06077	158,24489
18-12-2019 0:00	16:12:00	91,52561	159,72298
18-12-2019 0:00	16:13:00	91,52561	159,44797
18-12-2019 0:00	16:14:00	91,52561	159,25716
18-12-2019 0:00	16:15:00	90,71181	159,62727
18-12-2019 0:00	16:16:00	90,71181	160,68198
18-12-2019 0:00	16:17:00	90,71181	159,45035
18-12-2019 0:00	16:18:00	91,74262	159,29605
18-12-2019 0:00	16:19:00	91,74262	159,42982
18-12-2019 0:00	16:20:00	91,74262	159,26012
18-12-2019 0:00	16:21:00	91,74262	159,06363
18-12-2019 0:00	16:22:00	91,74262	159,30885
18-12-2019 0:00	16:23:00	91,74262	159,23486
18-12-2019 0:00	16:24:00	91,74262	159,24232
18-12-2019 0:00	16:25:00	91,74262	159,22739
18-12-2019 0:00	16:26:00	91,74262	159,10014
18-12-2019 0:00	16:27:00	91,74262	159,27673
18-12-2019 0:00	16:28:00	91,74262	159,08498
18-12-2019 0:00	16:29:00	91,74262	160,20312
18-12-2019 0:00	16:30:00	90,928825	159,44347



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,45	68,7	18,3	1.006	954,4	15,5	482,2
DESV EST	0,0137	4	0,99	0,0960	0,356	0,05	1,8
DESV EST %	0,0005	0,0533	0,0538	0,0001	0,0004	0,0030	0,0037
MAX	29,48	73,6	19,9	1.006	955,1	15,6	487,1
MIN	29,41	62,17	17,04	1005,47	953,94	15,42	476,13

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	9:00:00	29,435762	73,5026	17,037037	1005,4904	955,0781	15,576172	483,28992
19-12-2019 0:00	9:01:00	29,438656	73,22772	17,037037	1005,4904	955,0781	15,574363	483,2031
19-12-2019 0:00	9:02:00	29,412615	73,22772	17,051502	1005,46875	954,9479	15,576172	483,2031
19-12-2019 0:00	9:03:00	29,453123	73,22772	17,051502	1005,4904	954,9479	15,597873	481,68402
19-12-2019 0:00	9:04:00	29,429976	73,22772	17,071758	1005,4904	954,9479	15,574363	483,2031
19-12-2019 0:00	9:05:00	29,456018	73,556854	17,071758	1005,4904	954,9479	15,534577	483,2031
19-12-2019 0:00	9:06:00	29,432869	73,556854	17,071758	1005,4904	954,9479	15,550854	481,467
19-12-2019 0:00	9:07:00	29,438656	73,40856	17,100693	1005,4904	954,9479	15,547236	483,98434
19-12-2019 0:00	9:08:00	29,447336	73,159	17,126736	1005,5338	954,8032	15,547236	482,55206
19-12-2019 0:00	9:09:00	29,435762	73,35431	17,161457	1005,5338	954,8032	15,541811	482,55206
19-12-2019 0:00	9:10:00	29,435762	73,35431	17,196178	1005,55554	954,8032	15,532769	479,64407
19-12-2019 0:00	9:11:00	29,444443	73,16261	17,239582	1005,55554	954,8032	15,552662	482,76907
19-12-2019 0:00	9:12:00	29,444443	72,500725	17,340855	1005,5773	954,8032	15,536386	482,76907
19-12-2019 0:00	9:13:00	29,444443	72,500725	17,340855	1005,5773	954,8032	15,543619	482,76907
19-12-2019 0:00	9:14:00	29,432869	72,312645	17,364002	1005,59894	954,8032	15,587023	482,76907
19-12-2019 0:00	9:15:00	29,453123	72,312645	17,404514	1005,64233	954,8032	15,532769	482,76907
19-12-2019 0:00	9:16:00	29,447336	72,12095	17,404514	1005,64233	954,8032	15,556278	482,76907
19-12-2019 0:00	9:17:00	29,447336	72,12095	17,494213	1005,64233	954,8032	15,547236	482,76907
19-12-2019 0:00	9:18:00	29,467592	71,354164	17,62442	1005,64233	954,67303	15,525535	482,76907
19-12-2019 0:00	9:19:00	29,438656	71,05396	17,711227	1005,59894	954,67303	15,552662	482,76907
19-12-2019 0:00	9:20:00	29,447336	70,75738	17,711227	1005,59894	954,67303	15,525535	478,6458
19-12-2019 0:00	9:21:00	29,453123	70,39207	17,745949	1005,59894	954,67303	15,534577	482,98608
19-12-2019 0:00	9:22:00	29,44155	70,34867	17,76331	1005,59894	954,67303	15,534577	477,90796
19-12-2019 0:00	9:23:00	29,456018	70,34867	17,792244	1005,59894	954,67303	15,534577	480,0781
19-12-2019 0:00	9:24:00	29,447336	70,49335	17,824074	1005,64233	954,5283	15,525535	485,67706
19-12-2019 0:00	9:25:00	29,45023	70,49335	17,850113	1005,59894	954,5283	15,516493	480,29514
19-12-2019 0:00	9:26:00	29,447336	70,2691	17,884838	1005,64233	954,5283	15,5598955	483,42014
19-12-2019 0:00	9:27:00	29,456018	69,98698	17,884838	1005,64233	954,5283	15,518301	485,02603
19-12-2019 0:00	9:28:00	29,461805	69,98698	17,977428	1005,59894	954,5283	15,512876	482,98608
19-12-2019 0:00	9:29:00	29,447336	69,769966	18,015045	1005,64233	954,5283	15,523726	483,2031
19-12-2019 0:00	9:30:00	29,458912	69,36125	18,156826	1005,64233	954,38367	15,523726	480,55554
19-12-2019 0:00	9:31:00	29,45023	68,52213	18,284142	1005,64233	954,38367	15,523726	482,98608
19-12-2019 0:00	9:32:00	29,456018	68,52213	18,301502	1005,64233	954,38367	15,511067	479,9045
19-12-2019 0:00	9:33:00	29,45023	68,52213	18,339119	1005,64233	954,38367	15,511067	483,55032
19-12-2019 0:00	9:34:00	29,470486	67,88194	18,370949	1005,64233	954,38367	15,502026	482,29166
19-12-2019 0:00	9:35:00	29,456018	67,88194	18,51273	1005,59894	954,1377	15,523726	482,29166



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,45	68,7	18,3	1.006	954,4	15,5	482,2
DESV EST	0,0137	4	0,99	0,0960	0,356	0,05	1,8
DESV EST %	0,0005	0,0533	0,0538	0,0001	0,0004	0,0030	0,0037
MAX	29,48	73,6	19,9	1.006	955,1	15,6	487,1
MIN	29,41	62,17	17,04	1005,47	953,94	15,42	476,13

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	9:36:00	29,467592	68,124275	18,657406	1005,55554	954,1377	15,440538	482,29166
19-12-2019 0:00	9:37:00	29,461805	66,995804	18,862846	1005,4904	954,1377	15,478516	482,8559
19-12-2019 0:00	9:38:00	29,467592	66,44242	19,01331	1005,5338	954,1377	15,474898	481,98782
19-12-2019 0:00	9:39:00	29,464699	66,1169	19,097221	1005,5338	954,1377	15,480324	482,29166
19-12-2019 0:00	9:40:00	29,464699	65,08608	19,250576	1005,5773	954,1377	15,47309	482,29166
19-12-2019 0:00	9:41:00	29,464699	64,74609	19,340275	1005,59894	954,1377	15,462239	481,98782
19-12-2019 0:00	9:42:00	29,47338	66,10243	19,282406	1005,6857	954,1377	15,458622	477,90796
19-12-2019 0:00	9:43:00	29,467592	66,35561	19,241898	1005,75085	954,1377	15,480324	484,592
19-12-2019 0:00	9:44:00	29,467592	65,18012	19,198494	1005,79425	954,1377	15,47309	481,90103
19-12-2019 0:00	9:45:00	29,47338	65,18012	19,166664	1005,7726	954,1377	15,460431	481,90103
19-12-2019 0:00	9:46:00	29,470486	66,279655	19,114582	1005,7726	954,1377	15,474898	481,90103
19-12-2019 0:00	9:47:00	29,461805	65,16565	19,224537	1005,75085	954,1377	15,471282	481,90103
19-12-2019 0:00	9:48:00	29,479166	64,94141	19,331596	1005,70746	954,1377	15,440538	481,90103
19-12-2019 0:00	9:49:00	29,461805	64,583336	19,369213	1005,75085	954,1377	15,442347	479,60068
19-12-2019 0:00	9:50:00	29,47338	64,8546	19,389465	1005,75085	954,1377	15,442347	481,8142
19-12-2019 0:00	9:51:00	29,470486	64,60865	19,412613	1005,8159	954,1377	15,4531975	487,06595
19-12-2019 0:00	9:52:00	29,470486	64,02271	19,65567	1005,79425	954,1377	15,420645	476,12845
19-12-2019 0:00	9:53:00	29,456018	62,575954	19,771412	1005,79425	954,1377	15,4767065	482,33505
19-12-2019 0:00	9:54:00	29,458912	62,167244	19,800346	1005,7726	953,9352	15,464047	482,33505
19-12-2019 0:00	9:55:00	29,47338	62,507233	19,82928	1005,75085	953,9352	15,455006	482,33505
19-12-2019 0:00	9:56:00	29,467592	62,507233	19,79456	1005,6857	953,9352	15,438729	481,90103
19-12-2019 0:00	9:57:00	29,470486	65,73712	19,82928	1005,6857	953,9352	15,420645	481,85764
19-12-2019 0:00	9:58:00	29,44155	63,40784	19,86111	1005,70746	953,9352	15,451388	481,85764
19-12-2019 0:00	9:59:00	29,453123	62,86169	19,803238	1005,70746	953,9352	15,447772	480,29514
19-12-2019 0:00	10:00:00	29,464699	64,55078	19,751156	1005,7726	953,9352	15,435113	483,55032



DATOS	61	61	61	61	61	61	61
PROMEDIO	24,1	11,8	59.965	11,1	580	572	574
DESV EST	0,38	0,0619	314	0,26	0,70	0,67	0,64
DESV EST %	0,0157	0,0053	0,0052	0,0234	0,0012	0,0012	0,0011
MAX	25,3	11,91	60.713	11,6	582	574	575
MIN	23,40	11,60	59169,45	10,80	579,30	571,20	572,90

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	9:00:00	24,215132	11,871109	60474,78	10,800003	579,3	571,4	572,9
19-12-2019 0:00	9:01:00	23,64728	11,872394	60474,156	10,800003	579,5	571,4	572,9
19-12-2019 0:00	9:02:00	24,046947	11,802764	60056,47	10,800003	579,3	571,2	572,9
19-12-2019 0:00	9:03:00	23,900463	11,908288	60713,32	10,800003	579,3	571,4	572,9
19-12-2019 0:00	9:04:00	24,757668	11,899396	60493,363	10,800003	579,5	571,4	572,9
19-12-2019 0:00	9:05:00	23,98546	11,824996	60050,18	10,800003	579,3	571,2	572,9
19-12-2019 0:00	9:06:00	24,388744	11,855974	60501,074	10,800003	579,7	571,60004	573
19-12-2019 0:00	9:07:00	24,42853	11,832861	60094,05	10,800003	579,7	571,8	573,4
19-12-2019 0:00	9:08:00	24,395977	11,880159	60450,28	10,800003	579,9	571,8	573,4
19-12-2019 0:00	9:09:00	24,262152	11,809837	59911,44	10,800003	579,7	571,8	573,4
19-12-2019 0:00	9:10:00	24,2296	11,855049	60253,887	10,800003	579,9	572	573,60004
19-12-2019 0:00	9:11:00	23,88057	11,792807	60100,72	10,800003	579,7	571,8	573,4
19-12-2019 0:00	9:12:00	25,276691	11,84344	60401,188	10,800003	579,7	571,8	573,4
19-12-2019 0:00	9:13:00	24,31098	11,833469	60201,99	10,800003	579,7	571,9	573,4
19-12-2019 0:00	9:14:00	23,641855	11,842142	60314,793	10,800003	579,5	571,7	573,2
19-12-2019 0:00	9:15:00	24,433954	11,760619	60031,047	10,900009	579,7	571,7	573,2
19-12-2019 0:00	9:16:00	24,081308	11,821897	60109,367	10,900009	579,7	571,7	573,2
19-12-2019 0:00	9:17:00	23,549623	11,798214	60135,297	10,900009	579,9	571,7	573,2
19-12-2019 0:00	9:18:00	24,088541	11,800844	60183,156	10,900009	579,9	571,7	573,4
19-12-2019 0:00	9:19:00	24,361616	11,810576	60172,9	10,900009	579,9	571,7	573,2
19-12-2019 0:00	9:20:00	24,320023	11,847756	60247,9	10,900009	579,9	571,9	573,4
19-12-2019 0:00	9:21:00	24,49906	11,755475	59661,99	10,900009	579,9	571,9	573,4
19-12-2019 0:00	9:22:00	24,598524	11,839653	60165,38	11	580,10004	571,9	573,60004
19-12-2019 0:00	9:23:00	24,470123	11,753614	59794,09	11	580,10004	572,10004	573,60004
19-12-2019 0:00	9:24:00	23,800999	11,864816	60233,715	11	580,3	572,10004	573,8
19-12-2019 0:00	9:25:00	23,936632	11,811051	60006,42	11	580,2	572,10004	573,8
19-12-2019 0:00	9:26:00	24,06684	11,824872	60168,96	11	580,4	572,3	573,9
19-12-2019 0:00	9:27:00	24,374277	11,805664	60166,66	11	580,2	572,3	573,9
19-12-2019 0:00	9:28:00	24,106627	11,81672	60022,223	11	580,2	572,10004	573,8
19-12-2019 0:00	9:29:00	24,741392	11,768688	59991,86	11	580,3	572,2	573,8
19-12-2019 0:00	9:30:00	24,081308	11,777268	60032,914	11	580,4	572,4	574
19-12-2019 0:00	9:31:00	23,687065	11,819278	59891,82	11,100006	580,4	572,2	573,9
19-12-2019 0:00	9:32:00	23,840784	11,813501	59926,14	11,100006	580,4	572,4	573,9
19-12-2019 0:00	9:33:00	23,397715	11,662242	59461,023	11,100006	580,5	572,4	573,9
19-12-2019 0:00	9:34:00	24,169922	11,795011	60166,504	11,100006	580,7	572,4	574,10004
19-12-2019 0:00	9:35:00	24,365234	11,785001	60033,074	11,100006	580,5	572,4	574,10004



DATOS	61	61	61	61	61	61	61
PROMEDIO	24,1	11,8	59.965	11,1	580	572	574
DESV EST	0,38	0,0619	314	0,26	0,70	0,67	0,64
DESV EST %	0,0157	0,0053	0,0052	0,0234	0,0012	0,0012	0,0011
MAX	25,3	11,91	60.713	11,6	582	574	575
MIN	23,40	11,60	59169,45	10,80	579,30	571,20	572,90

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	9:36:00	23,943865	11,770229	59754,055	11,199997	580,5	572,3	573,9
19-12-2019 0:00	9:37:00	23,504412	11,770408	59872,273	11,199997	580,7	572,5	574,10004
19-12-2019 0:00	9:38:00	24,527994	11,793505	60009,355	11,199997	580,7	572,60004	574,2
19-12-2019 0:00	9:39:00	24,423105	11,795299	60137,28	11,199997	580,9	572,8	574,4
19-12-2019 0:00	9:40:00	24,110243	11,794628	59880,49	11,300003	580,9	572,8	574,4
19-12-2019 0:00	9:41:00	24,269386	11,766937	59775,668	11,300003	581,10004	572,8	574,4
19-12-2019 0:00	9:42:00	24,202473	11,737264	59866,008	11,300003	581,10004	572,9	574,4
19-12-2019 0:00	9:43:00	24,395977	11,758681	59696,03	11,300003	580,9	573,10004	574,4
19-12-2019 0:00	9:44:00	23,900463	11,725102	59661,297	11,300003	580,9	572,9	574,4
19-12-2019 0:00	9:45:00	23,48271	11,601138	59256,81	11,300003	581,10004	572,9	574,4
19-12-2019 0:00	9:46:00	23,766638	11,664595	59534,582	11,300003	581	572,9	574,4
19-12-2019 0:00	9:47:00	23,838976	11,808214	59862,55	11,300003	581	572,8	574,4
19-12-2019 0:00	9:48:00	24,78841	11,735347	59728,574	11,400009	581,10004	573	574,60004
19-12-2019 0:00	9:49:00	23,799189	11,7670145	59692,76	11,400009	581,3	573,3	574,8
19-12-2019 0:00	9:50:00	23,678022	11,709376	59620,867	11,400009	581,3	573,10004	574,60004
19-12-2019 0:00	9:51:00	23,93844	11,721908	59766,33	11,400009	581,4	573,3	574,8
19-12-2019 0:00	9:52:00	24,193432	11,6652975	59169,445	11,5	581,60004	573,5	574,8
19-12-2019 0:00	9:53:00	24,13737	11,718671	59508,848	11,5	581,4	573,4	574,8
19-12-2019 0:00	9:54:00	24,808304	11,750213	59657,906	11,5	581,4	573,2	574,7
19-12-2019 0:00	9:55:00	24,126518	11,791028	59875,84	11,5	581,3	573,2	574,7
19-12-2019 0:00	9:56:00	23,641855	11,667038	59605,31	11,5	581,3	573,3	574,7
19-12-2019 0:00	9:57:00	23,538773	11,704874	59671,44	11,5	581,5	573,5	574,9
19-12-2019 0:00	9:58:00	23,89142	11,73898	59649,7	11,5	581,4	573,4	574,9
19-12-2019 0:00	9:59:00	24,057798	11,73443	59648,05	11,600006	581,60004	573,4	574,9
19-12-2019 0:00	10:00:00	23,72685	11,760134	59839,55	11,600006	581,5	573,2	574,8





DATOS	61	61	61	61	61	61	61
PROMEDIO	574	575	576	50,0	212	15,67	7,83
DESV EST	0,61	0,66	0,75	0,04	1,2	0,0107	0,0566
DESV EST %	0,0011	0,0012	0,0013	0,0008	0,0056	0,0007	0,0072
MAX	575	576	577	50,1	214	15,69	7,94
MIN	573,20	573,40	574,30	49,88	209,32	15,65	7,73

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	9:00:00	573,2	573,4	574,3	49,910122	213,72395	15,675275	7,9082394
19-12-2019 0:00	9:01:00	573,60004	573,8	574,3	49,951523	213,31163	15,675275	7,9082394
19-12-2019 0:00	9:02:00	573,60004	573,8	574,5	49,898884	214,24478	15,675275	7,8967013
19-12-2019 0:00	9:03:00	573,60004	573,8	574,5	49,992367	213,76735	15,654658	7,9066477
19-12-2019 0:00	9:04:00	573,60004	573,8	574,5	50,001225	213,20311	15,654658	7,8795934
19-12-2019 0:00	9:05:00	573,60004	573,8	574,5	49,892685	212,03123	15,654658	7,8795934
19-12-2019 0:00	9:06:00	573,60004	573,8	574,5	49,90496	213,02951	15,654658	7,878002
19-12-2019 0:00	9:07:00	573,60004	573,8	574,9	49,947155	212,40016	15,678711	7,878002
19-12-2019 0:00	9:08:00	573,60004	573,8	574,9	49,900826	211,70572	15,678711	7,872034
19-12-2019 0:00	9:09:00	574	574,2	574,9	49,928722	212,40016	15,678711	7,872034
19-12-2019 0:00	9:10:00	574	574,2	574,9	49,903034	213,24652	15,678711	7,8815827
19-12-2019 0:00	9:11:00	574	574,2	574,9	49,94238	212,8342	15,64916	7,8815827
19-12-2019 0:00	9:12:00	574	574,2	574,9	49,955784	212,31335	15,64916	7,9440465
19-12-2019 0:00	9:13:00	574	574,2	574,9	49,98604	212,68228	15,64916	7,8764105
19-12-2019 0:00	9:14:00	574	574,2	574,9	50,03717	213,87585	15,676649	7,8764105
19-12-2019 0:00	9:15:00	574	574,2	574,9	49,994896	211,59721	15,676649	7,8784
19-12-2019 0:00	9:16:00	574	574,2	574,9	49,985474	212,68228	15,676649	7,8784
19-12-2019 0:00	9:17:00	573,8	574,2	574,9	50,016533	212,09634	15,676649	7,8784
19-12-2019 0:00	9:18:00	573,8	574,2	575,10004	49,94033	212,03123	15,676649	7,9253473
19-12-2019 0:00	9:19:00	573,8	574,2	575,10004	49,99995	212,8342	15,646412	7,8684535
19-12-2019 0:00	9:20:00	573,8	574,2	575,10004	49,98421	212,20485	15,646412	7,9074435
19-12-2019 0:00	9:21:00	574,10004	574,2	575,10004	49,927	210,79427	15,646412	7,8708405
19-12-2019 0:00	9:22:00	574,10004	574,2	575,10004	49,909313	212,00954	15,669777	7,888346
19-12-2019 0:00	9:23:00	574,10004	574,2	575,10004	49,95294	212,48697	15,669777	7,888346
19-12-2019 0:00	9:24:00	574,10004	574,2	575,4	49,913906	212,55208	15,669777	7,894712
19-12-2019 0:00	9:25:00	574,10004	574,60004	575,4	49,923862	211,94444	15,669777	7,876013
19-12-2019 0:00	9:26:00	574,4	574,60004	575,4	49,941456	212,44357	15,669777	7,815936
19-12-2019 0:00	9:27:00	574,4	574,60004	575,4	49,92058	211,85764	15,669777	7,8716364
19-12-2019 0:00	9:28:00	574,4	574,60004	575,4	49,93469	212,00954	15,669777	7,8537326
19-12-2019 0:00	9:29:00	574,4	574,60004	575,4	49,931522	211,09808	15,669777	7,8887444
19-12-2019 0:00	9:30:00	574,4	574,60004	575,4	49,98248	212,05295	15,669777	7,8179255
19-12-2019 0:00	9:31:00	574,4	574,7	575,5	49,9403	212,29166	15,669777	7,79286
19-12-2019 0:00	9:32:00	574,4	574,7	575,5	49,922848	210,98958	15,669777	7,782516
19-12-2019 0:00	9:33:00	574,4	574,7	575,5	49,97257	211,03297	15,669777	7,768193
19-12-2019 0:00	9:34:00	574,4	574,7	575,5	49,935017	211,92273	15,669777	7,8266783
19-12-2019 0:00	9:35:00	574,4	574,7	575,5	50,016544	211,79253	15,669777	7,7673974



DATOS	61	61	61	61	61	61	61
PROMEDIO	574	575	576	50,0	212	15,67	7,83
DESV EST	0,61	0,66	0,75	0,04	1,2	0,0107	0,0566
DESV EST %	0,0011	0,0012	0,0013	0,0008	0,0056	0,0007	0,0072
MAX	575	576	577	50,1	214	15,69	7,94
MIN	573,20	573,40	574,30	49,88	209,32	15,65	7,73

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	9:36:00	574,4	574,7	575,7	49,903164	210,70746	15,669777	7,816334
19-12-2019 0:00	9:37:00	574,4	574,9	575,7	49,947987	212,50867	15,648474	7,816334
19-12-2019 0:00	9:38:00	574,7	574,9	576,10004	49,931038	210,40364	15,648474	7,8219037
19-12-2019 0:00	9:39:00	574,7	574,9	576,10004	49,956394	211,3585	15,685583	7,768193
19-12-2019 0:00	9:40:00	574,7	575,2	576,10004	49,996677	210,44704	15,685583	7,7721715
19-12-2019 0:00	9:41:00	574,9	575,2	576,10004	49,971302	209,9696	15,685583	7,7829137
19-12-2019 0:00	9:42:00	574,9	575,2	576,10004	49,921432	210,59895	15,6704645	7,7272134
19-12-2019 0:00	9:43:00	574,9	575,2	576,10004	49,935246	211,22829	15,6704645	7,7868924
19-12-2019 0:00	9:44:00	574,9	575,2	576,10004	49,962975	210,83766	15,6704645	7,7920647
19-12-2019 0:00	9:45:00	574,9	575,2	576,3	49,937595	210,75085	15,6704645	7,8577113
19-12-2019 0:00	9:46:00	575,10004	575,2	576,3	50,029705	210,38194	15,6704645	7,7327833
19-12-2019 0:00	9:47:00	575,10004	575,2	576,3	49,916817	210,68576	15,6704645	7,860496
19-12-2019 0:00	9:48:00	575,10004	575,5	576,3	49,95922	209,8177	15,6704645	7,7630205
19-12-2019 0:00	9:49:00	575,10004	575,5	576,3	49,971714	210,59895	15,6704645	7,7662034
19-12-2019 0:00	9:50:00	575,10004	575,5	576,3	49,935833	210,44704	15,6704645	7,7662034
19-12-2019 0:00	9:51:00	575,10004	575,5	576,7	49,95933	209,9479	15,6704645	7,827872
19-12-2019 0:00	9:52:00	575,10004	575,9	576,7	49,880325	209,99132	15,6704645	7,782118
19-12-2019 0:00	9:53:00	575,4	575,9	576,7	50,016987	211,61891	15,6704645	7,782516
19-12-2019 0:00	9:54:00	575,4	575,9	576,7	49,93229	210,66405	15,65191	7,7443213
19-12-2019 0:00	9:55:00	575,4	575,60004	576,7	49,986515	211,22829	15,65191	7,7864943
19-12-2019 0:00	9:56:00	575,4	575,60004	576,7	49,89945	209,7092	15,65191	7,7864943
19-12-2019 0:00	9:57:00	575,4	575,60004	576,7	49,91828	209,8611	15,672526	7,7669992
19-12-2019 0:00	9:58:00	575,4	575,60004	576,7	49,88696	211,14148	15,672526	7,7662034
19-12-2019 0:00	9:59:00	575,4	575,60004	576,7	49,973137	209,40538	15,672526	7,7662034
19-12-2019 0:00	10:00:00	575,4	575,8	576,7	50,065487	209,31857	15,672526	7,7662034



DATOS	61	61	61	61	61	61
PROMEDIO	7,83	7,87	0,9858	709	3,71	6,683
DESV EST	0,0517	0,0515	0,0016	5,7	0,0125	0,002
DESV EST %	0,0066	0,0065	0,0016	0,0081	0,0034	0,0004
MAX	7,93	7,96	0,9879	722	3,74	6,689
MIN	7,70	7,76	0,98	698,24	3,68	6,67

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV
19-12-2019 0:00	9:00:00	7,92853	7,9416595	0,9841919	718,5547	3,6758823	6,683912
19-12-2019 0:00	9:01:00	7,907841	7,9416595	0,9841919	716,0156	3,7073205	6,6821976
19-12-2019 0:00	9:02:00	7,907841	7,9416595	0,9841919	716,0156	3,7073205	6,6821976
19-12-2019 0:00	9:03:00	7,827076	7,9432507	0,9841919	715,91797	3,7073205	6,683912
19-12-2019 0:00	9:04:00	7,8823786	7,9341	0,9841919	709,7656	3,7073205	6,682769
19-12-2019 0:00	9:05:00	7,8823786	7,940068	0,9872437	709,7656	3,7073205	6,682769
19-12-2019 0:00	9:06:00	7,9138093	7,92853	0,9872437	714,64844	3,7073205	6,682769
19-12-2019 0:00	9:07:00	7,872034	7,880787	0,9851685	711,71875	3,7073205	6,682769
19-12-2019 0:00	9:08:00	7,8764105	7,874421	0,9851685	708,9844	3,7073205	6,684769
19-12-2019 0:00	9:09:00	7,8764105	7,9301214	0,9851685	716,1133	3,7073205	6,682483
19-12-2019 0:00	9:10:00	7,8764105	7,936487	0,9851685	716,1133	3,7073205	6,687912
19-12-2019 0:00	9:11:00	7,8764105	7,883572	0,9851685	716,1133	3,7073205	6,6810546
19-12-2019 0:00	9:12:00	7,8764105	7,95638	0,9836426	716,1133	3,7073205	6,6810546
19-12-2019 0:00	9:13:00	7,8764105	7,9277344	0,9836426	716,1133	3,7073205	6,6810546
19-12-2019 0:00	9:14:00	7,8764105	7,872034	0,9836426	716,1133	3,7073205	6,6736255
19-12-2019 0:00	9:15:00	7,8585067	7,8855615	0,9836426	716,1133	3,7405381	6,680483
19-12-2019 0:00	9:16:00	7,9154005	7,9185834	0,9836426	716,1133	3,7073205	6,684769
19-12-2019 0:00	9:17:00	7,8597	7,9185834	0,9836426	709,96094	3,7073205	6,68134
19-12-2019 0:00	9:18:00	7,8736253	7,922562	0,9836426	716,9922	3,7073205	6,68134
19-12-2019 0:00	9:19:00	7,8736253	7,9217663	0,9836426	713,3789	3,7446902	6,680483
19-12-2019 0:00	9:20:00	7,8736253	7,8704424	0,9836426	713,3789	3,7221498	6,683626
19-12-2019 0:00	9:21:00	7,8736253	7,8887444	0,9836426	717,08984	3,6752892	6,6810546
19-12-2019 0:00	9:22:00	7,919379	7,920175	0,9836426	722,16797	3,7002025	6,684769
19-12-2019 0:00	9:23:00	7,8577113	7,920175	0,9836426	717,08984	3,7002025	6,6810546
19-12-2019 0:00	9:24:00	7,903465	7,920175	0,9810181	710,7422	3,7002025	6,685055
19-12-2019 0:00	9:25:00	7,835829	7,8875504	0,9871826	701,7578	3,7002025	6,687912
19-12-2019 0:00	9:26:00	7,835829	7,8318505	0,9871826	707,6172	3,7002025	6,682483
19-12-2019 0:00	9:27:00	7,835829	7,8318505	0,9871826	707,6172	3,7002025	6,681912
19-12-2019 0:00	9:28:00	7,835829	7,8724318	0,9871826	707,6172	3,7150316	6,68134
19-12-2019 0:00	9:29:00	7,835829	7,8724318	0,9871826	706,15234	3,7150316	6,6833405
19-12-2019 0:00	9:30:00	7,835829	7,854926	0,9871826	704,10156	3,7150316	6,6833405
19-12-2019 0:00	9:31:00	7,835829	7,889938	0,9869385	710,0586	3,7150316	6,6876264
19-12-2019 0:00	9:32:00	7,8425927	7,864077	0,9869385	710,0586	3,7150316	6,681912
19-12-2019 0:00	9:33:00	7,808377	7,864077	0,9869385	707,6172	3,7002025	6,6861978
19-12-2019 0:00	9:34:00	7,823893	7,864077	0,9869385	707,6172	3,7002025	6,687912
19-12-2019 0:00	9:35:00	7,809172	7,8342376	0,9869385	698,2422	3,7310474	6,683626



DATOS	61	61	61	61	61	61
PROMEDIO	7,83	7,87	0,9858	709	3,71	6,683
DESV EST	0,0517	0,0515	0,0016	5,7	0,0125	0,002
DESV EST %	0,0066	0,0065	0,0016	0,0081	0,0034	0,0004
MAX	7,93	7,96	0,9879	722	3,74	6,689
MIN	7,70	7,76	0,98	698,24	3,68	6,67

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV
19-12-2019 0:00	9:36:00	7,809172	7,8342376	0,9869385	707,22656	3,7310474	6,689055
19-12-2019 0:00	9:37:00	7,809172	7,8342376	0,9869385	707,22656	3,7310474	6,6861978
19-12-2019 0:00	9:38:00	7,76501	7,8342376	0,9869385	705,3711	3,7168112	6,6821976
19-12-2019 0:00	9:39:00	7,8059893	7,8342376	0,9869385	705,3711	3,7168112	6,6821976
19-12-2019 0:00	9:40:00	7,8059893	7,8342376	0,9869385	705,3711	3,7168112	6,6821976
19-12-2019 0:00	9:41:00	7,8059893	7,8342376	0,9869385	705,3711	3,7168112	6,687055
19-12-2019 0:00	9:42:00	7,768591	7,8342376	0,9863281	705,3711	3,7168112	6,682483
19-12-2019 0:00	9:43:00	7,827872	7,8342376	0,9863281	705,3711	3,7168112	6,682483
19-12-2019 0:00	9:44:00	7,7745585	7,8342376	0,9863281	711,4258	3,6960502	6,682483
19-12-2019 0:00	9:45:00	7,7483	7,8342376	0,9863281	704,78516	3,6960502	6,680769
19-12-2019 0:00	9:46:00	7,7745585	7,808377	0,9863281	704,78516	3,6960502	6,6833405
19-12-2019 0:00	9:47:00	7,8063874	7,7864943	0,987915	704,78516	3,7209635	6,6833405
19-12-2019 0:00	9:48:00	7,770182	7,7642145	0,987915	702,4414	3,7209635	6,6833405
19-12-2019 0:00	9:49:00	7,770182	7,8179255	0,987915	702,4414	3,6865594	6,6833405
19-12-2019 0:00	9:50:00	7,770182	7,812355	0,987915	702,4414	3,7108796	6,6833405
19-12-2019 0:00	9:51:00	7,770182	7,812355	0,987915	702,4414	3,7108796	6,6833405
19-12-2019 0:00	9:52:00	7,8000216	7,784903	0,9853516	710,15625	3,7108796	6,6833405
19-12-2019 0:00	9:53:00	7,76501	7,844184	0,9853516	703,71094	3,7108796	6,687055
19-12-2019 0:00	9:54:00	7,809172	7,823893	0,9853516	706,6406	3,7108796	6,683626
19-12-2019 0:00	9:55:00	7,7753544	7,823893	0,9853516	699,90234	3,7108796	6,683626
19-12-2019 0:00	9:56:00	7,7753544	7,7801285	0,9869385	707,03125	3,681221	6,6810546
19-12-2019 0:00	9:57:00	7,7753544	7,779333	0,9869385	701,9531	3,7085068	6,682483
19-12-2019 0:00	9:58:00	7,8425927	7,832248	0,9869385	709,08203	3,7085068	6,682483
19-12-2019 0:00	9:59:00	7,695385	7,818721	0,9869385	699,41406	3,7085068	6,687912
19-12-2019 0:00	10:00:00	7,7494936	7,7829137	0,9869385	699,41406	3,7085068	6,683626



DATOS	61	61	61	61	61	61	61	61	61
PROMEDIO	400	207,9	91,83	20,8	0,804	44,6	68,4	177,6	
DESV EST	1,2	1,2	1,40	0,06	0,007	0,19	0,23	0,24	
DESV EST %	0,0029	0,0056	0,0152	0,0028	0,0088	0,0043	0,0034	0,0013	
MAX	402	210,4	93,97	20,9	0,823	45,1	69,0	178,3	
MIN	397,52	205,11	87,82	20,62	0,79	44,29	67,58	177,24	

Date	Time	MV INC FDR CUR L2	UNIT LOAD SETPOINT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V
		11BBT01CE102 XQ01 XQ01 A	11CJA00DE100 XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR
19-12-2019 0:00	9:00:00	397,5152	210,25143	87,82223	20,895184	0,80715	44,98723	67,57591	177,97743
19-12-2019 0:00	9:01:00	400,1736	209,10457	87,82223	20,90495	0,7913067	45,0534	68,448555	177,64758
19-12-2019 0:00	9:02:00	400,1736	209,69704	90,79288	20,789932	0,8007728	44,680058	67,96835	177,64758
19-12-2019 0:00	9:03:00	400,1736	210,3553	90,57786	20,90495	0,8158967	44,515354	68,773315	177,64758
19-12-2019 0:00	9:04:00	400,1736	209,08287	90,3084	20,797527	0,8077562	44,57522	68,21078	177,40453
19-12-2019 0:00	9:05:00	400,1736	208,29713	91,18935	20,724827	0,8015913	44,91531	68,09634	177,91667
19-12-2019 0:00	9:06:00	400,1736	209,07457	93,27414	20,683596	0,8015913	44,611042	68,37594	177,48265
19-12-2019 0:00	9:07:00	397,94922	208,81322	93,197296	20,711807	0,8015913	44,290623	68,18893	177,61285
19-12-2019 0:00	9:08:00	397,94922	208,7755	93,1198	20,733507	0,8065119	44,440224	68,16517	177,61285
19-12-2019 0:00	9:09:00	399,19705	209,45654	93,57663	20,668404	0,7957265	44,657314	68,516014	177,61285
19-12-2019 0:00	9:10:00	399,19705	208,71454	92,81856	20,703127	0,8019564	44,320107	68,410774	177,82986
19-12-2019 0:00	9:11:00	400,4449	208,33969	93,12616	20,722658	0,7874694	44,46987	68,11844	177,79515
19-12-2019 0:00	9:12:00	400,4449	208,72224	93,62354	20,722658	0,7886096	44,330982	68,405106	177,64758
19-12-2019 0:00	9:13:00	402,34375	208,98598	92,78125	20,771486	0,80875	44,548637	68,483345	177,73439
19-12-2019 0:00	9:14:00	402,34375	209,37186	93,653275	20,797527	0,7960719	44,52693	68,960724	178,34203
19-12-2019 0:00	9:15:00	402,34375	207,67026	93,02805	20,709637	0,8056254	44,630436	68,5487	177,78647
19-12-2019 0:00	9:16:00	402,34375	209,12926	93,422264	20,755209	0,8056254	44,381676	68,74793	177,78647
19-12-2019 0:00	9:17:00	401,85547	208,269	91,54805	20,83659	0,8056254	44,907593	68,74039	177,9948
19-12-2019 0:00	9:18:00	401,85547	208,53026	90,63724	20,775826	0,8135505	44,546627	68,19441	177,43924
19-12-2019 0:00	9:19:00	401,85547	209,06389	91,36805	20,833334	0,8032203	44,986305	68,65973	178,34203
19-12-2019 0:00	9:20:00	399,90234	207,78766	90,75084	20,791018	0,8002211	44,89475	68,63608	177,2743
19-12-2019 0:00	9:21:00	399,90234	207,6092	90,84537	20,751955	0,7984732	44,668568	68,37885	177,2396
19-12-2019 0:00	9:22:00	399,90234	209,0472	91,156	20,755209	0,8029379	44,89382	68,18266	177,57814
19-12-2019 0:00	9:23:00	399,90234	207,83582	90,39564	20,822483	0,8029379	44,762363	68,492	177,79515
19-12-2019 0:00	9:24:00	398,00348	208,66013	90,55529	20,797527	0,8010808	44,594093	68,44914	177,26564
19-12-2019 0:00	9:25:00	401,63846	208,49338	91,04164	20,743273	0,7902523	44,6662	68,26615	177,2396
19-12-2019 0:00	9:26:00	399,57684	209,0588	90,75028	20,817059	0,8022236	44,9062	68,34749	177,4566
19-12-2019 0:00	9:27:00	399,57684	208,99487	90,343925	20,787762	0,8061118	44,479355	68,50955	177,4566
19-12-2019 0:00	9:28:00	399,57684	208,38013	91,51165	20,775826	0,8061118	44,64844	68,55883	177,82986
19-12-2019 0:00	9:29:00	399,57684	207,27573	90,635185	20,747614	0,8061118	44,884262	68,29065	177,39584
19-12-2019 0:00	9:30:00	399,57684	208,96582	90,975266	20,813803	0,8007603	44,53464	68,56964	177,77779
19-12-2019 0:00	9:31:00	401,20444	208,9497	91,222206	20,754124	0,8073611	44,86297	68,67321	177,5868
19-12-2019 0:00	9:32:00	401,20444	208,40588	90,92733	20,754124	0,7910972	44,863533	68,25229	177,39584
19-12-2019 0:00	9:33:00	400,1736	207,2698	91,10063	20,751955	0,8033946	44,81386	68,52074	177,5868
19-12-2019 0:00	9:34:00	400,1736	208,19939	91,1047	20,808378	0,808589	44,6377	68,52718	177,5868
19-12-2019 0:00	9:35:00	400,1736	206,93692	93,97297	20,749784	0,808589	44,51751	68,52073	178,16841



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	400	207,9	91,83	20,8	0,804	44,6	68,4	177,6
DESV EST	1,2	1,2	1,40	0,06	0,007	0,19	0,23	0,24
DESV EST %	0,0029	0,0056	0,0152	0,0028	0,0088	0,0043	0,0034	0,0013
MAX	402	210,4	93,97	20,9	0,823	45,1	69,0	178,3
MIN	397,52	205,11	87,82	20,62	0,79	44,29	67,58	177,24

Date	Time	MV INC FDR CUR L2	UNIT LOAD SETPOINT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V
		11BBT01CE102 XQ01 XQ01	11CJA00DE100  XQ95	11LCA20CF001  XQ01	10LCA20CP001  XQ01	11LAE10CF001  XQ01	11LCA60CF001  XQ01	11LAB20CF001  XQ01	10LAB20CP001  XQ01
		A	MW	kg/s	BAR	kg/s	kg/s	kg/s	BAR
19-12-2019 0:00	9:36:00	401,90973	206,6981	93,65237	20,641277	0,8054336	44,37196	68,29656	177,4566
19-12-2019 0:00	9:37:00	400,4449	207,24988	93,74742	20,711807	0,7983168	44,48466	68,5513	177,61285
19-12-2019 0:00	9:38:00	400,4449	207,56734	93,74742	20,684679	0,7969956	44,397762	68,37698	177,30035
19-12-2019 0:00	9:39:00	400,4449	207,35043	93,83933	20,731339	0,810957	44,38989	68,38406	177,4566
19-12-2019 0:00	9:40:00	400,4449	208,13667	93,6883	20,684679	0,803134	44,492855	68,83002	177,4566
19-12-2019 0:00	9:41:00	401,20444	205,10594	93,682915	20,668404	0,8150768	44,492855	68,41253	177,40453
19-12-2019 0:00	9:42:00	398,49176	206,6018	93,62349	20,623917	0,7956052	44,310455	68,37349	177,40453
19-12-2019 0:00	9:43:00	398,49176	207,60362	93,86773	20,687935	0,7983012	44,335827	68,38081	177,30035
19-12-2019 0:00	9:44:00	398,49176	207,4395	93,78066	20,690105	0,8154751	44,43663	68,69711	177,64758
19-12-2019 0:00	9:45:00	398,49176	206,60858	91,2782	20,730253	0,809054	44,65347	68,39135	177,64758
19-12-2019 0:00	9:46:00	400,1736	206,24652	91,75754	20,76606	0,8101293	44,742344	68,815865	177,57814
19-12-2019 0:00	9:47:00	400,1736	207,18655	91,261406	20,775826	0,8101293	44,50953	68,25996	177,56946
19-12-2019 0:00	9:48:00	399,08856	207,21834	91,18739	20,775826	0,8101293	44,66839	68,28575	177,56946
19-12-2019 0:00	9:49:00	399,08856	206,90622	91,33859	20,787762	0,8017386	44,594368	68,78115	177,57814
19-12-2019 0:00	9:50:00	399,08856	206,42879	91,30654	20,770401	0,8062453	44,691704	68,465	177,57814
19-12-2019 0:00	9:51:00	399,08856	206,96977	91,30919	20,705296	0,7997305	44,746582	68,22858	177,57814
19-12-2019 0:00	9:52:00	399,08856	206,77472	91,4471	20,690105	0,8134772	44,52666	68,49815	177,47397
19-12-2019 0:00	9:53:00	399,08856	207,07745	91,64418	20,775826	0,8134772	44,682907	68,50101	177,93404
19-12-2019 0:00	9:54:00	399,08856	206,68233	91,4133	20,775826	0,8228873	44,557487	68,50939	177,76042
19-12-2019 0:00	9:55:00	399,90234	206,79593	91,556366	20,775826	0,8072191	44,608143	68,47864	177,5868
19-12-2019 0:00	9:56:00	399,90234	205,94116	91,556366	20,731339	0,8095741	44,863358	68,3842	177,48265
19-12-2019 0:00	9:57:00	399,90234	207,2487	91,28588	20,732424	0,8095741	44,64874	68,29012	177,82118
19-12-2019 0:00	9:58:00	399,90234	206,72632	91,461655	20,775826	0,8095741	44,64874	68,28718	177,76042
19-12-2019 0:00	9:59:00	399,14282	205,73492	91,461655	20,77474	0,8095741	44,440453	68,531006	177,60417
19-12-2019 0:00	10:00:00	399,14282	206,13683	91,70559	20,861546	0,7960442	44,77123	68,85697	177,74306



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	14,12	70,24	0,54	8,94	16,09	1.899,53	102,89	101,48
DESV EST	0,12	0,12	0,13	0,11	0,10	13,41	0,03	0,03
DESV EST %	0,0085	0,0017	0,2341	0,0121	0,0060	0,0071	0,0003	0,0003
MAX	14,44	70,84	0,77	9,21	16,35	1919,84	102,93	101,53
MIN	14,00	70,02	0,26	8,75	15,91	1872,52	102,76	101,34

Date	Time	FLOW IP FW HDR	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING
		11LAB50CF001  XQ01	10LAB50CP001  XQ01	11LAF10CF001  XQ01	11LCA31CF001  XQ01	11LCA30CP001  XQ01	10LAA10FL901  XQ01	10LBA10FP004  XQ01	10MAA50CP001  XQ01
		kg/s	BAR	kg/s	kg/s	BAR	mm	bar	bar
19-12-2019 0:00	9:00:00	14,132136	70,84057	0,6899279	9,093015	16,347656	1912,3988	102,76057	101,34259
19-12-2019 0:00	9:01:00	14,0473385	70,27633	0,6466195	9,1210985	16,346573	1901,2146	102,82265	101,4294
19-12-2019 0:00	9:02:00	14,045275	70,3342	0,394938	9,090098	16,16211	1892,312	102,861626	101,4294
19-12-2019 0:00	9:03:00	14,070122	70,32335	0,5747206	9,022379	16,273872	1888,3644	102,861626	101,4294
19-12-2019 0:00	9:04:00	14,006779	70,17144	0,4723948	9,030933	16,194662	1886,2231	102,90005	101,50462
19-12-2019 0:00	9:05:00	14,0427	70,09548	0,5597237	9,107851	16,136068	1879,6895	102,90005	101,50462
19-12-2019 0:00	9:06:00	14,013793	70,232925	0,3213865	9,214743	16,011286	1878,1355	102,90005	101,50462
19-12-2019 0:00	9:07:00	14,013793	70,232925	0,4210022	9,18508	15,978733	1885,3809	102,864624	101,50462
19-12-2019 0:00	9:08:00	14,013793	70,17144	0,6342172	9,118605	16,00152	1882,3688	102,864624	101,50462
19-12-2019 0:00	9:09:00	14,0166445	70,2691	0,7347224	9,191692	15,995009	1889,8632	102,87993	101,50462
19-12-2019 0:00	9:10:00	14,050489	70,16782	0,4185092	8,934799	16,00586	1895,4736	102,87993	101,481476
19-12-2019 0:00	9:11:00	14,045037	70,251015	0,4860075	8,949345	16,00586	1897,8582	102,87993	101,481476
19-12-2019 0:00	9:12:00	14,04172	70,34143	0,6808294	8,9964075	16,023222	1901,4043	102,87993	101,481476
19-12-2019 0:00	9:13:00	14,134389	70,27633	0,4079942	8,791644	16,000435	1906,725	102,895905	101,481476
19-12-2019 0:00	9:14:00	14,134389	70,39207	0,5951501	8,971608	16,053604	1906,2762	102,895905	101,481476
19-12-2019 0:00	9:15:00	14,118617	70,3125	0,5305141	8,9371805	16,00152	1915,5369	102,895905	101,481476
19-12-2019 0:00	9:16:00	14,118617	70,3125	0,7236145	8,94292	16,013456	1912,8865	102,895905	101,481476
19-12-2019 0:00	9:17:00	14,134036	70,3125	0,3954982	8,980015	16,192492	1919,8447	102,89311	101,481476
19-12-2019 0:00	9:18:00	14,105403	70,3125	0,6571235	8,8133335	16,143663	1919,1077	102,879944	101,481476
19-12-2019 0:00	9:19:00	14,113882	70,41016	0,5758499	8,921916	16,24132	1913,725	102,879944	101,481476
19-12-2019 0:00	9:20:00	14,113882	70,26548	0,6144566	8,974312	16,136068	1912,7765	102,904686	101,49305
19-12-2019 0:00	9:21:00	14,113882	70,0991	0,5663335	8,83864	16,067709	1911,206	102,904686	101,49305
19-12-2019 0:00	9:22:00	14,113882	70,2691	0,7185499	8,8956585	16,115452	1905,6042	102,88015	101,49305
19-12-2019 0:00	9:23:00	14,11693	70,196754	0,5683862	8,823114	16,115452	1907,2927	102,88015	101,49305
19-12-2019 0:00	9:24:00	14,117946	70,17144	0,4662591	8,833194	16,119793	1904,148	102,88015	101,49305
19-12-2019 0:00	9:25:00	14,117946	70,16059	0,6806861	9,046909	16,14909	1895,3098	102,86365	101,49305
19-12-2019 0:00	9:26:00	14,15361	70,3125	0,7716498	8,951446	16,190323	1898,925	102,84591	101,45833
19-12-2019 0:00	9:27:00	14,09022	70,12442	0,5651846	8,930265	16,108942	1897,2181	102,84591	101,45833
19-12-2019 0:00	9:28:00	14,138317	70,3125	0,4789079	9,05056	16,13173	1885,6553	102,86319	101,45833
19-12-2019 0:00	9:29:00	14,122781	70,243774	0,2999959	8,958306	16,148005	1890,0726	102,86319	101,45833
19-12-2019 0:00	9:30:00	14,122781	70,34867	0,5301606	8,945179	16,148005	1887,8235	102,8801	101,45833
19-12-2019 0:00	9:31:00	14,122781	70,16782	0,7054816	9,017289	16,148005	1880,1833	102,899124	101,45833
19-12-2019 0:00	9:32:00	14,096449	70,16782	0,6307414	8,97245	16,13173	1879,5769	102,899124	101,45833
19-12-2019 0:00	9:33:00	14,121478	70,16782	0,3989878	8,960413	16,13173	1877,9219	102,89151	101,481476
19-12-2019 0:00	9:34:00	14,121478	70,26186	0,3486473	8,951429	16,113281	1874,6229	102,89151	101,481476
19-12-2019 0:00	9:35:00	14,137969	70,34143	0,5630519	8,891288	16,012371	1872,5181	102,89151	101,481476



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	14,12	70,24	0,54	8,94	16,09	1.899,53	102,89	101,48
DESV EST	0,12	0,12	0,13	0,11	0,10	13,41	0,03	0,03
DESV EST %	0,0085	0,0017	0,2341	0,0121	0,0060	0,0071	0,0003	0,0003
MAX	14,44	70,84	0,77	9,21	16,35	1919,84	102,93	101,53
MIN	14,00	70,02	0,26	8,75	15,91	1872,52	102,76	101,34

Date	Time	FLOW IP FW HDR	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING
		11LAB50CF001  XQ01 kg/s	10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar
19-12-2019 0:00	9:36:00	14,107174	70,17867	0,5712339	8,861205	15,908204	1875,3684	102,90756	101,481476
19-12-2019 0:00	9:37:00	14,420721	70,17867	0,5775432	8,875502	15,9581175	1880,6146	102,88687	101,481476
19-12-2019 0:00	9:38:00	14,420721	70,026764	0,6219041	8,883371	15,915799	1882,8949	102,87347	101,481476
19-12-2019 0:00	9:39:00	14,420721	70,0991	0,3520294	8,881014	15,955947	1887,959	102,83338	101,481476
19-12-2019 0:00	9:40:00	14,420721	70,0991	0,6270556	8,882588	15,940756	1891,3574	102,83338	101,481476
19-12-2019 0:00	9:41:00	14,4416685	70,0991	0,4225063	8,882334	15,942926	1896,5706	102,844925	101,4294
19-12-2019 0:00	9:42:00	14,4416685	70,02315	0,5216967	8,900165	15,9244795	1900,7648	102,844925	101,4294
19-12-2019 0:00	9:43:00	14,438804	70,13165	0,6815888	8,788766	15,940756	1904,8975	102,844925	101,4294
19-12-2019 0:00	9:44:00	14,064918	70,17506	0,2623928	8,746072	15,941841	1911,488	102,87874	101,49305
19-12-2019 0:00	9:45:00	14,05211	70,232925	0,5758505	8,787377	16,082901	1914,2715	102,90484	101,49305
19-12-2019 0:00	9:46:00	14,05211	70,203995	0,5773041	8,822717	16,116537	1914,0171	102,93035	101,49305
19-12-2019 0:00	9:47:00	14,05211	70,2691	0,4580798	8,815436	16,116537	1913,353	102,93035	101,49305
19-12-2019 0:00	9:48:00	14,05211	70,185905	0,5908072	8,785706	16,075304	1913,5562	102,93035	101,53356
19-12-2019 0:00	9:49:00	14,035973	70,11357	0,5994802	8,81655	16,081816	1913,8406	102,93035	101,53356
19-12-2019 0:00	9:50:00	14,044034	70,2474	0,4150255	8,791138	16,113281	1913,4504	102,93035	101,53356
19-12-2019 0:00	9:51:00	14,044034	70,16782	0,4985908	8,945439	16,059029	1914,1942	102,91578	101,53356
19-12-2019 0:00	9:52:00	13,996692	70,16782	0,5779253	8,875479	16,098091	1912,3005	102,91578	101,53356
19-12-2019 0:00	9:53:00	14,050064	70,3776	0,6725109	8,894797	16,163195	1910,2345	102,91578	101,53356
19-12-2019 0:00	9:54:00	14,050064	70,2474	0,4256903	8,867689	16,09375	1908,4636	102,91578	101,510414
19-12-2019 0:00	9:55:00	14,050064	70,2474	0,6185641	8,8857355	16,110027	1910,558	102,929276	101,510414
19-12-2019 0:00	9:56:00	14,020411	70,196754	0,5930511	8,929109	16,086155	1909,3495	102,929276	101,510414
19-12-2019 0:00	9:57:00	14,045705	70,24016	0,3004332	8,858297	16,086155	1908,528	102,929276	101,510414
19-12-2019 0:00	9:58:00	14,045705	70,24016	0,5854158	8,882986	16,124132	1908,1532	102,898834	101,510414
19-12-2019 0:00	9:59:00	14,033673	70,24016	0,3526105	8,971318	16,114367	1906,3455	102,91955	101,510414
19-12-2019 0:00	10:00:00	14,06116	70,3342	0,3364542	9,026209	16,15126	1902,9493	102,91955	101,510414





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	27,62	26,64	26,26	3,04	3,48	2,70	3,18	0,05
DESV EST	0,03	0,02	0,03	0,01	0,03	0,00	0,01	0,00
DESV EST %	0,0010	0,0009	0,0011	0,0026	0,0100	0,0017	0,0022	0,0106
MAX	27,66	26,69	26,32	3,05	3,57	2,72	3,19	0,05
MIN	27,59	26,61	26,23	3,02	3,44	2,69	3,16	0,04

Date	Time	COLD REHT P	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1
		10LBC10FP911  XQ01 bar	10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs
19-12-2019 0:00	9:00:00	27,608507	26,672144	26,304255	3,049841	3,5194888	2,7025616	3,1841555	0,0448031
19-12-2019 0:00	9:01:00	27,658424	26,680601	26,304255	3,049841	3,5459185	2,706365	3,1872897	0,0448031
19-12-2019 0:00	9:02:00	27,658424	26,685982	26,304255	3,0530958	3,5169544	2,7004926	3,1872897	0,044984
19-12-2019 0:00	9:03:00	27,658424	26,69126	26,304255	3,0530958	3,5582285	2,7004926	3,1872897	0,044984
19-12-2019 0:00	9:04:00	27,658424	26,69126	26,304255	3,0530958	3,4590263	2,6989975	3,1872897	0,044984
19-12-2019 0:00	9:05:00	27,658424	26,693256	26,304255	3,0530958	3,5006623	2,702698	3,1894598	0,044984
19-12-2019 0:00	9:06:00	27,658424	26,684988	26,317276	3,0530958	3,5661936	2,700509	3,1894598	0,044984
19-12-2019 0:00	9:07:00	27,658424	26,676416	26,317276	3,0530958	3,5046449	2,7005653	3,187531	0,044984
19-12-2019 0:00	9:08:00	27,658424	26,676416	26,317276	3,0530958	3,4376655	2,6954877	3,1840348	0,044984
19-12-2019 0:00	9:09:00	27,658424	26,670942	26,317276	3,0480323	3,4814734	2,7002137	3,1840348	0,044984
19-12-2019 0:00	9:10:00	27,658424	26,662954	26,291233	3,0480323	3,5611248	2,7023413	3,1842756	0,044984
19-12-2019 0:00	9:11:00	27,658424	26,653362	26,291233	3,0480323	3,4441824	2,6949117	3,181744	0,044984
19-12-2019 0:00	9:12:00	27,658424	26,66092	26,291233	3,044777	3,493421	2,7001925	3,179574	0,044984
19-12-2019 0:00	9:13:00	27,658424	26,66092	26,291233	3,044777	3,5169544	2,6980639	3,179574	0,044984
19-12-2019 0:00	9:14:00	27,658424	26,658096	26,291233	3,044777	3,470612	2,6964562	3,1810207	0,044984
19-12-2019 0:00	9:15:00	27,630209	26,658096	26,291233	3,044777	3,5147824	2,7003458	3,1810207	0,044984
19-12-2019 0:00	9:16:00	27,630209	26,653814	26,271702	3,044777	3,4659052	2,7004368	3,1786094	0,044984
19-12-2019 0:00	9:17:00	27,630209	26,653814	26,271702	3,044777	3,5241957	2,6978343	3,1786094	0,044984
19-12-2019 0:00	9:18:00	27,630209	26,648125	26,271702	3,044777	3,512248	2,7007399	3,1786094	0,0451166
19-12-2019 0:00	9:19:00	27,630209	26,648125	26,271702	3,044777	3,4937835	2,6946397	3,1764393	0,0451166
19-12-2019 0:00	9:20:00	27,630209	26,648125	26,271702	3,0404367	3,5133343	2,6992316	3,1764393	0,0451166
19-12-2019 0:00	9:21:00	27,630209	26,648125	26,271702	3,0404367	3,4441824	2,6992316	3,1764393	0,0451166
19-12-2019 0:00	9:22:00	27,630209	26,64196	26,271702	3,0404367	3,4807496	2,7023249	3,1764393	0,0452492
19-12-2019 0:00	9:23:00	27,630209	26,64196	26,271702	3,0404367	3,5426602	2,7003975	3,1752334	0,0452492
19-12-2019 0:00	9:24:00	27,630209	26,64196	26,271702	3,0404367	3,478939	2,7003975	3,1752334	0,0452492
19-12-2019 0:00	9:25:00	27,630209	26,638424	26,271702	3,0404367	3,4608364	2,6997273	3,177886	0,0452492
19-12-2019 0:00	9:26:00	27,630209	26,632065	26,271702	3,0404367	3,5672798	2,7041318	3,177886	0,0452492
19-12-2019 0:00	9:27:00	27,609898	26,632065	26,258682	3,0426068	3,497766	2,6994674	3,177886	0,0452492
19-12-2019 0:00	9:28:00	27,609898	26,632065	26,258682	3,0426068	3,4630089	2,6950026	3,1724606	0,0452492
19-12-2019 0:00	9:29:00	27,609898	26,632065	26,258682	3,0426068	3,555694	2,707328	3,1763186	0,0452854
19-12-2019 0:00	9:30:00	27,609898	26,632065	26,258682	3,03899	3,491973	2,6984868	3,1763186	0,0452854
19-12-2019 0:00	9:31:00	27,609898	26,632065	26,258682	3,03899	3,4785771	2,6996303	3,1742692	0,0453456
19-12-2019 0:00	9:32:00	27,609898	26,632065	26,258682	3,03899	3,4785771	2,7005544	3,1758366	0,0453456
19-12-2019 0:00	9:33:00	27,609898	26,632065	26,258682	3,0422454	3,4959555	2,7005544	3,1758366	0,0455024
19-12-2019 0:00	9:34:00	27,609898	26,632065	26,258682	3,0422454	3,4959555	2,6978428	3,1758366	0,0455024
19-12-2019 0:00	9:35:00	27,609898	26,632065	26,258682	3,039352	3,4959555	2,702572	3,1712554	0,0455024



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	27,62	26,64	26,26	3,04	3,48	2,70	3,18	0,05
DESV EST	0,03	0,02	0,03	0,01	0,03	0,00	0,01	0,00
DESV EST %	0,0010	0,0009	0,0011	0,0026	0,0100	0,0017	0,0022	0,0106
MAX	27,66	26,69	26,32	3,05	3,57	2,72	3,19	0,05
MIN	27,59	26,61	26,23	3,02	3,44	2,69	3,16	0,04

Date	Time	COLD REHT P	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1
		10LBC10FP911  XQ01 bar	10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs
19-12-2019 0:00	9:36:00	27,609898	26,632065	26,258682	3,039352	3,4894385	2,6985786	3,1742692	0,0453939
19-12-2019 0:00	9:37:00	27,609898	26,632065	26,258682	3,039352	3,4803872	2,6991923	3,1768007	0,0455506
19-12-2019 0:00	9:38:00	27,609898	26,632065	26,258682	3,039352	3,4803872	2,702694	3,1739078	0,0455506
19-12-2019 0:00	9:39:00	27,609898	26,619637	26,23264	3,039352	3,470612	2,6972694	3,1739078	0,0455506
19-12-2019 0:00	9:40:00	27,609898	26,619637	26,23264	3,039352	3,470612	2,6999145	3,1689644	0,0455506
19-12-2019 0:00	9:41:00	27,609898	26,613811	26,23264	3,039352	3,464819	2,6999145	3,173787	0,0455506
19-12-2019 0:00	9:42:00	27,609898	26,608517	26,23264	3,036458	3,464819	2,6915696	3,1705317	0,0455506
19-12-2019 0:00	9:43:00	27,609898	26,608517	26,23264	3,0339265	3,4593883	2,7020903	3,1676383	0,045647
19-12-2019 0:00	9:44:00	27,586805	26,618587	26,23264	3,0241609	3,4459925	2,6958284	3,1676383	0,0457556
19-12-2019 0:00	9:45:00	27,586805	26,618587	26,23264	3,0317564	3,4521475	2,69975	3,1676383	0,0457556
19-12-2019 0:00	9:46:00	27,586805	26,618587	26,23264	3,036458	3,4521475	2,6999896	3,1676383	0,0457556
19-12-2019 0:00	9:47:00	27,586805	26,618587	26,23264	3,0339265	3,4521475	2,715227	3,1676383	0,0458761
19-12-2019 0:00	9:48:00	27,586805	26,618587	26,23264	3,0335646	3,4521475	2,6929529	3,1676383	0,0458761
19-12-2019 0:00	9:49:00	27,586805	26,618587	26,23264	3,020544	3,4467168	2,716306	3,1676383	0,0460328
19-12-2019 0:00	9:50:00	27,586805	26,618587	26,23264	3,0328412	3,449975	2,6966503	3,1676383	0,0460328
19-12-2019 0:00	9:51:00	27,586805	26,618587	26,23264	3,026331	3,449975	2,6901305	3,1676383	0,0460328
19-12-2019 0:00	9:52:00	27,586805	26,61245	26,23264	3,0274158	3,449975	2,6951792	3,1679997	0,0462619
19-12-2019 0:00	9:53:00	27,586805	26,61245	26,23264	3,0339265	3,449975	2,6988897	3,1605253	0,0462619
19-12-2019 0:00	9:54:00	27,586805	26,616526	26,23264	3,03899	3,449975	2,694863	3,1683621	0,0461534
19-12-2019 0:00	9:55:00	27,586805	26,616526	26,23264	3,036458	3,4539576	2,7003942	3,1683621	0,0461534
19-12-2019 0:00	9:56:00	27,586805	26,616526	26,23264	3,0209055	3,4539576	2,7033777	3,1683621	0,0463824
19-12-2019 0:00	9:57:00	27,586805	26,616526	26,23264	3,0357347	3,464095	2,7037606	3,1683621	0,0463824
19-12-2019 0:00	9:58:00	27,586805	26,616526	26,23264	3,025969	3,464095	2,701185	3,1683621	0,0463824
19-12-2019 0:00	9:59:00	27,586805	26,612194	26,23264	3,03899	3,455768	2,688647	3,1683621	0,0463824
19-12-2019 0:00	10:00:00	27,586805	26,612194	26,23264	3,026331	3,455768	2,7002637	3,1683621	0,0465512



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	541,03	353,80	545,44	258,02	235,35	261,66	18,87	18,77
DESV EST	0,60	0,37	0,67	0,43	0,05	0,45	0,24	0,24
DESV EST %	0,0011	0,0011	0,0012	0,0017	0,0002	0,0017	0,0130	0,0128
MAX	542,14	354,50	546,53	258,80	235,44	262,50	19,41	19,25
MIN	540,19	353,40	544,44	257,20	235,25	260,80	18,51	18,43

Date	Time	TEMP HP MS U/S ST	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2
		10LBA11CT001  XQ01 °C	10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C
19-12-2019	0:00	540,18555	353,40002	544,4408	257,2	235,25389	260,8	18,514902	18,429905
19-12-2019	0:00	540,18555	353,40002	544,4408	257,40002	235,25389	260,8	18,514902	18,429905
19-12-2019	0:00	540,18555	353,40002	544,4408	257,40002	235,25389	261	18,514902	18,429905
19-12-2019	0:00	540,18555	353,40002	544,4408	257,40002	235,43835	261	18,514902	18,451605
19-12-2019	0:00	540,3266	353,40002	544,4408	257,40002	235,43835	261	18,549261	18,451605
19-12-2019	0:00	540,3266	353,40002	544,72296	257,40002	235,43835	261,2	18,549261	18,451605
19-12-2019	0:00	540,3266	353,40002	544,72296	257,40002	235,43835	261,2	18,549261	18,451605
19-12-2019	0:00	540,3266	353,40002	544,72296	257,40002	235,43835	261,2	18,60894	18,451605
19-12-2019	0:00	540,3266	353,40002	544,72296	257,7	235,43835	261,2	18,60894	18,527561
19-12-2019	0:00	540,3266	353,40002	544,72296	257,7	235,43835	261,2	18,60894	18,527561
19-12-2019	0:00	540,3266	353,40002	544,72296	257,7	235,43835	261,2	18,641493	18,527561
19-12-2019	0:00	540,49115	353,40002	544,72296	257,7	235,43835	261,2	18,641493	18,513092
19-12-2019	0:00	540,49115	353,40002	544,72296	257,7	235,43835	261,2	18,641493	18,513092
19-12-2019	0:00	540,49115	353,40002	544,72296	257,7	235,43835	261,2	18,619791	18,513092
19-12-2019	0:00	540,49115	353,40002	544,72296	257,7	235,32985	261,2	18,619791	18,565538
19-12-2019	0:00	540,49115	353,40002	545,00507	257,7	235,32985	261,2	18,672235	18,547453
19-12-2019	0:00	540,49115	353,5	545,00507	257,7	235,32985	261,2	18,672235	18,547453
19-12-2019	0:00	540,49115	353,5	545,00507	257,7	235,32985	261,40002	18,672235	18,601707
19-12-2019	0:00	540,65576	353,5	545,00507	257,7	235,32985	261,40002	18,753616	18,601707
19-12-2019	0:00	540,65576	353,5	545,00507	257,7	235,32985	261,40002	18,753616	18,619791
19-12-2019	0:00	540,65576	353,5	545,00507	257,7	235,32985	261,40002	18,753616	18,619791
19-12-2019	0:00	540,65576	353,5	545,00507	257,7	235,32985	261,40002	18,753616	18,666811
19-12-2019	0:00	540,65576	353,60004	545,00507	257,7	235,32985	261,40002	18,764467	18,666811
19-12-2019	0:00	540,65576	353,60004	545,00507	257,7	235,32985	261,40002	18,764467	18,666811
19-12-2019	0:00	540,65576	353,60004	545,00507	257,7	235,32985	261,40002	18,764467	18,666811
19-12-2019	0:00	540,65576	353,60004	545,33417	257,7	235,32985	261,40002	18,764467	18,666811
19-12-2019	0:00	540,8673	353,60004	545,33417	258	235,32985	261,60004	18,78617	18,666811
19-12-2019	0:00	540,8673	353,60004	545,33417	258	235,32985	261,60004	18,822338	18,71383
19-12-2019	0:00	540,8673	353,7	545,33417	258	235,32985	261,60004	18,822338	18,71383
19-12-2019	0:00	540,8673	353,7	545,33417	258	235,32985	261,60004	18,86574	18,75
19-12-2019	0:00	541,0789	353,7	545,33417	258	235,32985	261,60004	18,86574	18,75
19-12-2019	0:00	541,0789	353,7	545,33417	258	235,32985	261,60004	18,86574	18,75
19-12-2019	0:00	541,0789	353,7	545,33417	258	235,32985	261,8	18,86574	18,75
19-12-2019	0:00	541,0789	353,8	545,33417	258	235,32985	261,8	18,86574	18,75
19-12-2019	0:00	541,0789	353,8	545,6633	258	235,32985	261,8	18,86574	18,75
19-12-2019	0:00	541,0789	353,8	545,6633	258	235,32985	261,8	18,883825	18,75



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	541,03	353,80	545,44	258,02	235,35	261,66	18,87	18,77
DESV EST	0,60	0,37	0,67	0,43	0,05	0,45	0,24	0,24
DESV EST %	0,0011	0,0011	0,0012	0,0017	0,0002	0,0017	0,0130	0,0128
MAX	542,14	354,50	546,53	258,80	235,44	262,50	19,41	19,25
MIN	540,19	353,40	544,44	257,20	235,25	260,80	18,51	18,43

Date	Time	TEMP HP MS U/S ST	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2
		10LBA11CT001  XQ01 °C	10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C
19-12-2019 0:00	9:36:00	541,0789	353,8	545,6633	258,2	235,32985	261,8	18,883825	18,809679
19-12-2019 0:00	9:37:00	541,24347	353,8	545,6633	258,2	235,32985	261,8	18,921803	18,809679
19-12-2019 0:00	9:38:00	541,24347	353,8	545,6633	258,2	235,32985	261,90002	18,921803	18,809679
19-12-2019 0:00	9:39:00	541,24347	353,8	545,6633	258,2	235,32985	261,90002	18,921803	18,854889
19-12-2019 0:00	9:40:00	541,24347	354	545,6633	258,40002	235,32985	261,90002	18,974247	18,854889
19-12-2019 0:00	9:41:00	541,24347	354	545,6633	258,40002	235,32985	261,90002	18,974247	18,854889
19-12-2019 0:00	9:42:00	541,4551	354	545,6633	258,40002	235,32985	262,10004	19,021267	18,854889
19-12-2019 0:00	9:43:00	541,4551	354,10004	546,15704	258,40002	235,32985	262,10004	19,021267	18,943504
19-12-2019 0:00	9:44:00	541,4551	354,10004	546,15704	258,40002	235,32985	261,90002	19,08818	18,943504
19-12-2019 0:00	9:45:00	541,4551	354,10004	546,15704	258,40002	235,32985	261,90002	19,08818	18,943504
19-12-2019 0:00	9:46:00	541,6667	354,10004	546,15704	258,40002	235,32985	261,90002	19,080946	18,985098
19-12-2019 0:00	9:47:00	541,6667	354,10004	546,15704	258,40002	235,32985	261,90002	19,080946	18,985098
19-12-2019 0:00	9:48:00	541,6667	354,3	546,15704	258,40002	235,32985	262,10004	19,126158	19,037542
19-12-2019 0:00	9:49:00	541,6667	354,3	546,15704	258,40002	235,32985	262,10004	19,126158	19,037542
19-12-2019 0:00	9:50:00	541,6667	354,3	546,15704	258,40002	235,32985	262,10004	19,155092	19,037542
19-12-2019 0:00	9:51:00	541,6667	354,3	546,15704	258,40002	235,32985	262,10004	19,155092	19,048393
19-12-2019 0:00	9:52:00	541,85474	354,3	546,15704	258,60004	235,32985	262,3	19,214771	19,048393
19-12-2019 0:00	9:53:00	541,85474	354,3	546,15704	258,60004	235,32985	262,3	19,214771	19,124348
19-12-2019 0:00	9:54:00	541,85474	354,3	546,5332	258,60004	235,32985	262,3	19,214771	19,124348
19-12-2019 0:00	9:55:00	541,85474	354,3	546,5332	258,60004	235,32985	262,3	19,214771	19,124348
19-12-2019 0:00	9:56:00	541,85474	354,5	546,5332	258,60004	235,32985	262,3	19,29796	19,202112
19-12-2019 0:00	9:57:00	542,13684	354,5	546,5332	258,8	235,32985	262,3	19,29796	19,202112
19-12-2019 0:00	9:58:00	542,13684	354,5	546,5332	258,8	235,32985	262,5	19,29796	19,202112
19-12-2019 0:00	9:59:00	542,13684	354,5	546,5332	258,8	235,32985	262,5	19,326895	19,202112
19-12-2019 0:00	10:00:00	542,13684	354,5	546,5332	258,8	235,32985	262,5	19,406467	19,254557





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	30,78	29,97	75,21	149,75	34,96	18,52	0,15	14,22
DESV EST	0,21	0,26	0,59	0,35	0,15	0,14	0,02	0,36
DESV EST %	0,0067	0,0086	0,0079	0,0023	0,0042	0,0076	0,1607	0,0254
MAX	31,19	30,47	76,57	150,53	35,30	18,66	0,20	14,84
MIN	30,43	29,54	74,22	149,20	34,68	18,38	0,12	13,72

Date	Time	T CW D/S CONDR LNE1	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL
		10PAB31CT001  XQ01 °C	10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C
19-12-2019 0:00	9:36:00	30,803312	29,98951	75,108505	149,76128	34,99349	18,657406	0,1989229	14,293981
19-12-2019 0:00	9:37:00	30,821398	30,06004	75,108505	149,76128	34,99349	18,657406	0,1627604	14,375
19-12-2019 0:00	9:38:00	30,837673	30,06004	74,59852	149,64192	34,99349	18,657406	0,1627604	14,375
19-12-2019 0:00	9:39:00	30,834057	30,065466	74,59852	149,64192	34,99349	18,657406	0,1989192	14,479166
19-12-2019 0:00	9:40:00	30,81778	30,049189	74,59852	149,49	35,04774	18,657406	0,1989294	14,479166
19-12-2019 0:00	9:41:00	30,857567	30,08355	74,59852	149,49	35,04774	18,657406	0,1824363	14,479166
19-12-2019 0:00	9:42:00	30,879267	30,101635	74,59852	149,39235	35,04774	18,657406	0,1627604	14,479166
19-12-2019 0:00	9:43:00	30,872034	30,13057	74,59852	149,28384	35,04774	18,657406	0,1627604	14,479166
19-12-2019 0:00	9:44:00	30,91182	30,146845	74,327255	149,28384	35,04774	18,657406	0,1627604	14,479166
19-12-2019 0:00	9:45:00	30,915436	30,168547	74,327255	149,273	35,04774	18,657406	0,1627604	14,479166
19-12-2019 0:00	9:46:00	30,975115	30,192057	74,837234	149,19704	35,04774	18,657406	0,1627604	14,606481
19-12-2019 0:00	9:47:00	30,960648	30,192057	74,837234	149,2513	35,04774	18,657406	0,1627604	14,606481
19-12-2019 0:00	9:48:00	31,002241	30,228226	74,837234	149,2513	35,04774	18,657406	0,1627604	14,606481
19-12-2019 0:00	9:49:00	31,042028	30,277054	74,837234	149,32726	35,04774	18,657406	0,1627604	14,606481
19-12-2019 0:00	9:50:00	31,042028	30,300564	74,837234	149,43576	35,069443	18,657406	0,1627604	14,675925
19-12-2019 0:00	9:51:00	31,042028	30,311415	74,837234	149,43576	35,069443	18,657406	0,1272316	14,675925
19-12-2019 0:00	9:52:00	31,06192	30,336733	74,837234	149,43576	35,069443	18,657406	0,1265914	14,675925
19-12-2019 0:00	9:53:00	31,087238	30,329498	75,68359	149,43576	35,1888	18,657406	0,1265914	14,675925
19-12-2019 0:00	9:54:00	31,070963	30,338541	75,68359	149,55511	35,1888	18,657406	0,1265914	14,710648
19-12-2019 0:00	9:55:00	31,087238	30,329498	75,68359	149,55511	35,1888	18,657406	0,162703	14,710648
19-12-2019 0:00	9:56:00	31,128834	30,34035	74,21875	149,55511	35,1888	18,657406	0,1265914	14,710648
19-12-2019 0:00	9:57:00	31,161385	30,42173	75,35807	149,60938	35,1888	18,657406	0,1627604	14,837962
19-12-2019 0:00	9:58:00	31,14511	30,369286	75,35807	149,60938	35,297306	18,657406	0,1627604	14,837962
19-12-2019 0:00	9:59:00	31,159576	30,423538	75,82465	149,66362	35,297306	18,657406	0,1947659	14,837962
19-12-2019 0:00	10:00:00	31,19213	30,472366	75,82465	149,66362	35,297306	18,657406	0,1627604	14,837962





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	149,05	148,80	140,38	5,15	3,27	0,36	120,10	10,42
DESV EST	0,11	0,29	0,66	0,00	0,92	0,00	0,38	0,01
DESV EST %	0,0007	0,0019	0,0047	0,0008	0,2812	0,0051	0,0032	0,0006
MAX	149,26	149,16	141,95	5,15	5,03	0,36	121,01	10,44
MIN	148,87	148,34	138,57	5,15	2,42	0,35	119,15	10,41

Date	Time	TEMP FW U/S ECON1	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2
		11LAB20CT001  XQ01 °C	11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV
19-12-2019 0:00	9:36:00	148,90407	148,76302	140,65755	5,146341	3,5072417	0,3579017	119,5052	10,425202
19-12-2019 0:00	9:37:00	148,90407	148,76302	140,86371	5,146341	3,5072417	0,3588673	120,3125	10,425202
19-12-2019 0:00	9:38:00	149,03429	148,76302	140,86371	5,146341	3,5072417	0,3588673	120,09114	10,425202
19-12-2019 0:00	9:39:00	148,94748	148,76302	140,86371	5,146341	3,5072417	0,3575911	120,64453	10,425202
19-12-2019 0:00	9:40:00	148,94748	148,76302	140,65755	5,146341	3,8122866	0,3575911	120,22786	10,425202
19-12-2019 0:00	9:41:00	148,89322	148,76302	140,65755	5,146341	3,8122866	0,3585134	119,14713	10,411567
19-12-2019 0:00	9:42:00	148,94748	148,55685	140,65755	5,146341	3,8122866	0,3585134	119,856766	10,436957
19-12-2019 0:00	9:43:00	148,94748	148,55685	140,115	5,146341	3,8122866	0,3579728	119,72656	10,422381
19-12-2019 0:00	9:44:00	148,90407	148,55685	140,115	5,146341	3,8122866	0,3579728	119,79817	10,422381
19-12-2019 0:00	9:45:00	148,90407	148,55685	140,115	5,146341	4,082507	0,3572149	119,66145	10,422381
19-12-2019 0:00	9:46:00	148,90407	148,55685	140,115	5,146341	4,082507	0,3581248	119,86979	10,422381
19-12-2019 0:00	9:47:00	148,92578	148,55685	140,115	5,146341	4,082507	0,3581248	120,104164	10,422381
19-12-2019 0:00	9:48:00	148,92578	148,55685	140,115	5,146341	4,4347663	0,3581248	119,77864	10,422381
19-12-2019 0:00	9:49:00	148,87152	148,33984	140,48393	5,146341	4,4347663	0,3581248	120,13672	10,422381
19-12-2019 0:00	9:50:00	148,87152	148,33984	140,48393	5,146341	4,4347663	0,3576908	120,03255	10,422381
19-12-2019 0:00	9:51:00	148,99088	148,33984	140,48393	5,146341	4,727691	0,3576908	120,169266	10,422381
19-12-2019 0:00	9:52:00	148,88237	148,33984	140,48393	5,146341	4,727691	0,3576908	119,89583	10,422381
19-12-2019 0:00	9:53:00	148,92578	148,33984	140,03906	5,146341	4,727691	0,358256	120,149734	10,422381
19-12-2019 0:00	9:54:00	148,92578	148,33984	140,60329	5,146341	4,727691	0,358256	119,92838	10,422381
19-12-2019 0:00	9:55:00	148,99088	148,33984	140,60329	5,146341	4,727691	0,358256	119,811195	10,422381
19-12-2019 0:00	9:56:00	149,03429	148,33984	140,60329	5,146341	4,727691	0,357432	119,47266	10,422381
19-12-2019 0:00	9:57:00	149,03429	148,33984	140,115	5,146341	4,727691	0,357432	119,96094	10,422381
19-12-2019 0:00	9:58:00	149,08853	148,33984	140,115	5,146341	5,0332546	0,357432	119,811195	10,422381
19-12-2019 0:00	9:59:00	149,08853	148,33984	140,115	5,1501184	5,0332546	0,357432	119,20573	10,422381
19-12-2019 0:00	10:00:00	149,11024	148,33984	140,5165	5,1501184	5,0332546	0,357432	119,765625	10,422381





DATOS	61	61	61	61	61	61	61
PROMEDIO	6,70	6,73	6,73	0,9893	609,61	2,39	6,60
DESV EST	0,03	0,03	0,03	0,00	5,35	0,31	0,00
DESV EST %	0,0038	0,0044	0,0043	0,0017	0,0088	0,1317	0,0004
MAX	6,76	6,81	6,79	0,99	624,61	2,50	6,61
MIN	6,62	6,69	6,67	0,98	599,61	0,03	6,60

Date	Time	GEN CURRENT L1	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR
		10MKA01CE002A  XQ01 kA	10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV
19-12-2019 0:00	9:00:00	6,720233	6,7974176	6,7456956	0,9879761	617,28516	2,4468315	6,6036205
19-12-2019 0:00	9:01:00	6,72262	6,768374	6,7456956	0,9879761	615,52734	2,417173	6,6036205
19-12-2019 0:00	9:02:00	6,72262	6,809751	6,7942348	0,9879761	616,5039	2,4474247	6,6036205
19-12-2019 0:00	9:03:00	6,76161	6,796224	6,753653	0,9879761	611,03516	2,3993778	6,604192
19-12-2019 0:00	9:04:00	6,6848235	6,7126737	6,7277923	0,9879761	607,1289	2,3922598	6,6076207
19-12-2019 0:00	9:05:00	6,6788554	6,7548466	6,7417173	0,9891357	607,03125	2,4426794	6,6033344
19-12-2019 0:00	9:06:00	6,714663	6,753653	6,7460938	0,9891357	609,8633	2,4509838	6,6033344
19-12-2019 0:00	9:07:00	6,7246094	6,753653	6,7297816	0,9891357	609,375	2,4337819	6,6036205
19-12-2019 0:00	9:08:00	6,703921	6,7122755	6,7838902	0,9891357	606,9336	2,423698	6,605049
19-12-2019 0:00	9:09:00	6,716652	6,752857	6,744502	0,9891357	607,51953	2,4266636	6,605049
19-12-2019 0:00	9:10:00	6,76161	6,8037834	6,7345557	0,9891357	622,65625	2,441493	6,604192
19-12-2019 0:00	9:11:00	6,714663	6,7695675	6,7441044	0,9891357	615,2344	2,4533565	6,599906
19-12-2019 0:00	9:12:00	6,7329645	6,7639976	6,7441044	0,9865112	616,5039	2,4426794	6,599906
19-12-2019 0:00	9:13:00	6,711082	6,756438	6,7441044	0,9865112	616,40625	2,441493	6,600477
19-12-2019 0:00	9:14:00	6,719835	6,76161	6,779514	0,9865112	617,77344	0,0338108	6,601906
19-12-2019 0:00	9:15:00	6,716254	6,76161	6,742911	0,9880371	614,84375	2,4325955	6,600763
19-12-2019 0:00	9:16:00	6,716254	6,7441044	6,742911	0,9880371	615,91797	2,5014033	6,604192
19-12-2019 0:00	9:17:00	6,7067056	6,7019315	6,7743416	0,9880371	610,5469	2,399971	6,596477
19-12-2019 0:00	9:18:00	6,703125	6,7604165	6,728588	0,9848633	615,72266	2,407089	6,608478
19-12-2019 0:00	9:19:00	6,71705	6,717846	6,7401257	0,9890137	609,375	2,4159865	6,603906
19-12-2019 0:00	9:20:00	6,699942	6,730577	6,7262006	0,9890137	612,9883	2,4159865	6,603906
19-12-2019 0:00	9:21:00	6,724211	6,703125	6,740524	0,9867554	613,28125	2,4242911	6,6033344
19-12-2019 0:00	9:22:00	6,724211	6,7604165	6,7126737	0,9867554	617,6758	2,4824219	6,601049
19-12-2019 0:00	9:23:00	6,7067056	6,7604165	6,787869	0,9867554	618,2617	2,4474247	6,601049
19-12-2019 0:00	9:24:00	6,75604	6,7540507	6,7747397	0,9867554	624,6094	2,4201388	6,6053348
19-12-2019 0:00	9:25:00	6,692383	6,71705	6,711082	0,9852295	609,66797	2,3845487	6,600477
19-12-2019 0:00	9:26:00	6,6892	6,7222223	6,7158566	0,9910889	608,9844	2,4142072	6,606192
19-12-2019 0:00	9:27:00	6,696759	6,703125	6,721824	0,9910889	608,9844	2,396412	6,6047635
19-12-2019 0:00	9:28:00	6,7011356	6,71705	6,725803	0,9910889	606,4453	2,1632957	6,6013346
19-12-2019 0:00	9:29:00	6,7011356	6,742911	6,7126737	0,9910889	611,03516	2,445645	6,605049
19-12-2019 0:00	9:30:00	6,6872106	6,7759333	6,7082973	0,9899292	605,66406	2,4331887	6,6079063
19-12-2019 0:00	9:31:00	6,72262	6,7238135	6,7262006	0,9899292	607,03125	2,4367476	6,598477
19-12-2019 0:00	9:32:00	6,615596	6,752857	6,731771	0,9899292	602,53906	2,4391203	6,599906
19-12-2019 0:00	9:33:00	6,6450377	6,7269964	6,6979527	0,9899292	606,6406	2,444459	6,603906
19-12-2019 0:00	9:34:00	6,703125	6,753653	6,7098885	0,9899292	610,5469	2,4753036	6,6036205
19-12-2019 0:00	9:35:00	6,6864147	6,721029	6,7043185	0,9899292	602,0508	2,469372	6,6036205



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,70	6,73	6,73	0,9893	609,61	2,39	6,60
DESV EST	0,03	0,03	0,03	0,00	5,35	0,31	0,00
DESV EST %	0,0038	0,0044	0,0043	0,0017	0,0088	0,1317	0,0004
MAX	6,76	6,81	6,79	0,99	624,61	2,50	6,61
MIN	6,62	6,69	6,67	0,98	599,61	0,03	6,60

Date	Time	GEN CURRENT L1	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR
		10MKA01CE002A  XQ01 kA	10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV
19-12-2019 0:00	9:36:00	6,711082	6,71705	6,7464914	0,9920654	604,6875	2,4646266	6,6033344
19-12-2019 0:00	9:37:00	6,7190394	6,752857	6,762008	0,9920654	611,03516	2,445052	6,6033344
19-12-2019 0:00	9:38:00	6,704716	6,703125	6,717846	0,9911499	606,25	2,4747105	6,603906
19-12-2019 0:00	9:39:00	6,721824	6,721029	6,717846	0,9911499	612,5	2,4397135	6,603906
19-12-2019 0:00	9:40:00	6,674877	6,696759	6,677264	0,9891968	604,58984	2,472338	6,5981913
19-12-2019 0:00	9:41:00	6,70034	6,7067056	6,7067056	0,9891968	608,0078	2,396412	6,604192
19-12-2019 0:00	9:42:00	6,6919847	6,702329	6,708695	0,9891968	604,58984	2,4290364	6,604192
19-12-2019 0:00	9:43:00	6,6919847	6,7182436	6,716254	0,9917603	604,2969	2,424884	6,604192
19-12-2019 0:00	9:44:00	6,683232	6,7106843	6,6911893	0,9902344	607,4219	2,4598813	6,604192
19-12-2019 0:00	9:45:00	6,689996	6,704716	6,7082973	0,9902344	606,9336	2,4646266	6,601906
19-12-2019 0:00	9:46:00	6,6840277	6,714663	6,668909	0,9902344	599,6094	2,4361544	6,6053348
19-12-2019 0:00	9:47:00	6,6864147	6,7126737	6,714265	0,9902344	606,6406	2,4337819	6,6033344
19-12-2019 0:00	9:48:00	6,6864147	6,7126737	6,683232	0,9915771	600,78125	2,4011574	6,6033344
19-12-2019 0:00	9:49:00	6,6864147	6,6983504	6,713867	0,9915771	607,71484	2,4367476	6,6064777
19-12-2019 0:00	9:50:00	6,6864147	6,716254	6,7126737	0,9915771	605,95703	2,4367476	6,6033344
19-12-2019 0:00	9:51:00	6,703125	6,706308	6,682834	0,9915771	604,10156	2,486574	6,6033344
19-12-2019 0:00	9:52:00	6,716254	6,7206306	6,7186413	0,9892578	608,2031	2,448611	6,6033344
19-12-2019 0:00	9:53:00	6,7186413	6,7524595	6,7082973	0,9892578	605,95703	1,9900897	6,605049
19-12-2019 0:00	9:54:00	6,697157	6,747685	6,7265987	0,9892578	611,1328	2,4367476	6,605049
19-12-2019 0:00	9:55:00	6,6903934	6,700738	6,706308	0,9892578	609,5703	2,4426794	6,6047635
19-12-2019 0:00	9:56:00	6,686813	6,7186413	6,6764684	0,9892578	609,375	2,4153934	6,6047635
19-12-2019 0:00	9:57:00	6,686813	6,7186413	6,7269964	0,9902344	608,59375	2,455729	6,6096206
19-12-2019 0:00	9:58:00	6,7222223	6,7655888	6,7098885	0,9902344	605,1758	2,441493	6,608478
19-12-2019 0:00	9:59:00	6,686813	6,685221	6,672092	0,9902344	603,125	2,4011574	6,6090493
19-12-2019 0:00	10:00:00	6,632704	6,7059097	6,671296	0,9902344	600,3906	2,4272568	6,6076207



DATOS	61	61
PROMEDIO	292,04	117,74
DESV EST	1,59	0,50
DESV EST %	0,0054	0,0043
MAX	296,33	120,05
MIN	288,79	116,91

Date	Time	UNIT LOAD SETPOINT	
		ST	
		CURR L2 ST AUX FDR 10BBT01CE102    XQ01 A	11CJA00DE100    XQ96 MW
19-12-2019 0:00	9:00:00	292,589	118,18298
19-12-2019 0:00	9:01:00	291,1784	117,9397
19-12-2019 0:00	9:02:00	291,34116	118,55761
19-12-2019 0:00	9:03:00	291,1784	118,21244
19-12-2019 0:00	9:04:00	291,61243	118,01548
19-12-2019 0:00	9:05:00	291,72092	117,55201
19-12-2019 0:00	9:06:00	289,22528	118,25935
19-12-2019 0:00	9:07:00	291,34116	117,93431
19-12-2019 0:00	9:08:00	289,17102	118,23738
19-12-2019 0:00	9:09:00	291,1784	117,65859
19-12-2019 0:00	9:10:00	292,2092	118,524994
19-12-2019 0:00	9:11:00	291,61243	117,368515
19-12-2019 0:00	9:12:00	291,1784	118,10009
19-12-2019 0:00	9:13:00	293,29428	117,87749
19-12-2019 0:00	9:14:00	291,0699	118,19058
19-12-2019 0:00	9:15:00	290,9614	117,473854
19-12-2019 0:00	9:16:00	295,1389	117,85254
19-12-2019 0:00	9:17:00	292,69748	117,67805
19-12-2019 0:00	9:18:00	290,52734	117,3721
19-12-2019 0:00	9:19:00	292,86026	117,46976
19-12-2019 0:00	9:20:00	292,42624	117,35015
19-12-2019 0:00	9:21:00	293,5113	117,10272
19-12-2019 0:00	9:22:00	294,4336	117,89219
19-12-2019 0:00	9:23:00	293,89108	118,53448
19-12-2019 0:00	9:24:00	290,7986	117,92911
19-12-2019 0:00	9:25:00	289,33377	117,804245
19-12-2019 0:00	9:26:00	291,44968	117,80353
19-12-2019 0:00	9:27:00	291,34116	117,62541
19-12-2019 0:00	9:28:00	293,24002	117,650826
19-12-2019 0:00	9:29:00	291,8837	117,9278
19-12-2019 0:00	9:30:00	290,85287	117,86745
19-12-2019 0:00	9:31:00	289,4423	117,75092
19-12-2019 0:00	9:32:00	292,15497	117,1377
19-12-2019 0:00	9:33:00	292,26346	116,91216
19-12-2019 0:00	9:34:00	294,48785	117,886345
19-12-2019 0:00	9:35:00	294,3251	117,93134



DATOS	61	61
PROMEDIO	292,04	117,74
DESV EST	1,59	0,50
DESV EST %	0,0054	0,0043
MAX	296,33	120,05
MIN	288,79	116,91

Date	Time	UNIT LOAD SETPOINT	
		CURR L2 ST AUX FDR	ST
		10BBT01CE102   XQ01 A	11CJA00DE100   XQ96 MW
19-12-2019 0:00	9:36:00	292,69748	117,660866
19-12-2019 0:00	9:37:00	294,97614	117,33058
19-12-2019 0:00	9:38:00	292,31772	117,63125
19-12-2019 0:00	9:39:00	292,42624	117,99231
19-12-2019 0:00	9:40:00	293,34854	117,29321
19-12-2019 0:00	9:41:00	293,34854	117,33413
19-12-2019 0:00	9:42:00	291,44968	117,362656
19-12-2019 0:00	9:43:00	292,589	117,92613
19-12-2019 0:00	9:44:00	292,48047	117,409996
19-12-2019 0:00	9:45:00	293,07727	117,37912
19-12-2019 0:00	9:46:00	294,86765	117,453094
19-12-2019 0:00	9:47:00	289,49655	120,04909
19-12-2019 0:00	9:48:00	290,41885	117,114044
19-12-2019 0:00	9:49:00	292,42624	117,37097
19-12-2019 0:00	9:50:00	291,23264	117,53309
19-12-2019 0:00	9:51:00	296,3325	117,21343
19-12-2019 0:00	9:52:00	290,41885	117,53246
19-12-2019 0:00	9:53:00	290,31033	118,22016
19-12-2019 0:00	9:54:00	288,79123	117,69407
19-12-2019 0:00	9:55:00	290,90714	117,33244
19-12-2019 0:00	9:56:00	291,5039	117,4763
19-12-2019 0:00	9:57:00	293,29428	117,4401
19-12-2019 0:00	9:58:00	292,806	118,536285
19-12-2019 0:00	9:59:00	292,53473	117,115776
19-12-2019 0:00	10:00:00	292,2092	117,006256



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,47	55,3	20,7	1.006	953,1	15,4	481,8
DESV EST	0,0119	4	0,56	0,1131	0,320	0,04	2,2
DESV EST %		0,0703	0,0270	0,0001	0,0003	0,0023	0,0046
MAX	29,50	60,2	21,8	1.007	953,5	15,5	487,7
MIN	29,44	47,82	19,99	1006,25	952,47	15,35	474,91

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	10:45:00	29,461805	59,743923	20,049187	1006,3368	953,4867	15,480324	487,10934
19-12-2019 0:00	10:46:00	29,461805	59,541378	20,023148	1006,2934	953,42883	15,4767065	483,3333
19-12-2019 0:00	10:47:00	29,464699	59,848812	20,023148	1006,2934	953,42883	15,471282	483,76733
19-12-2019 0:00	10:48:00	29,464699	59,588394	20,081017	1006,25	953,42883	15,458622	482,6389
19-12-2019 0:00	10:49:00	29,461805	59,588394	20,081017	1006,25	953,42883	15,447772	482,6389
19-12-2019 0:00	10:50:00	29,458912	59,26649	20,167824	1006,2934	953,42883	15,455006	476,25867
19-12-2019 0:00	10:51:00	29,464699	58,901184	20,28067	1006,3368	953,34204	15,44958	482,6389
19-12-2019 0:00	10:52:00	29,456018	57,873985	20,38773	1006,40186	953,34204	15,47309	482,6389
19-12-2019 0:00	10:53:00	29,467592	58,297165	20,439812	1006,4453	953,34204	15,460431	487,67358
19-12-2019 0:00	10:54:00	29,456018	59,317127	20,309605	1006,5104	953,34204	15,442347	483,28992
19-12-2019 0:00	10:55:00	29,456018	60,152634	20,193863	1006,467	953,34204	15,474898	483,28992
19-12-2019 0:00	10:56:00	29,456018	60,152634	20,10706	1006,467	953,34204	15,465857	486,76215
19-12-2019 0:00	10:57:00	29,453123	59,418404	19,994213	1006,4453	953,34204	15,460431	482,29166
19-12-2019 0:00	10:58:00	29,444443	59,270107	19,994213	1006,4453	953,34204	15,451388	482,29166
19-12-2019 0:00	10:59:00	29,447336	58,803528	20,214119	1006,5104	953,34204	15,471282	481,8142
19-12-2019 0:00	11:00:00	29,456018	57,60995	20,251736	1006,5104	953,34204	15,447772	479,5139
19-12-2019 0:00	11:01:00	29,458912	58,597366	20,193863	1006,55383	953,34204	15,4531975	483,0729
19-12-2019 0:00	11:02:00	29,461805	58,810764	20,150463	1006,55383	953,34204	15,469473	482,24826
19-12-2019 0:00	11:03:00	29,456018	58,810764	20,185184	1006,5755	953,34204	15,471282	482,24826
19-12-2019 0:00	11:04:00	29,453123	58,890335	20,162037	1006,6189	953,34204	15,458622	482,24826
19-12-2019 0:00	11:05:00	29,464699	58,43099	20,10706	1006,6189	953,34204	15,44958	482,24826
19-12-2019 0:00	11:06:00	29,456018	58,912037	20,054977	1006,6406	953,34204	15,44958	482,24826
19-12-2019 0:00	11:07:00	29,461805	59,541378	20,008678	1006,6406	953,34204	15,458622	482,24826
19-12-2019 0:00	11:08:00	29,479166	59,541378	20,008678	1006,5755	953,34204	15,431496	482,24826
19-12-2019 0:00	11:09:00	29,458912	59,020542	20,069443	1006,6189	953,34204	15,420645	482,24826
19-12-2019 0:00	11:10:00	29,476273	58,550346	20,109951	1006,5755	953,34204	15,407986	480,12152
19-12-2019 0:00	11:11:00	29,467592	57,761864	20,219906	1006,5755	953,34204	15,433304	477,21353
19-12-2019 0:00	11:12:00	29,470486	57,40379	20,254627	1006,55383	953,34204	15,4061775	479,7309
19-12-2019 0:00	11:13:00	29,470486	56,825085	20,254627	1006,5321	953,34204	15,42607	482,68228
19-12-2019 0:00	11:14:00	29,470486	57,13614	20,243053	1006,5321	953,34204	15,438729	483,42014
19-12-2019 0:00	11:15:00	29,479166	56,333187	20,300926	1006,5321	953,34204	15,4296875	477,56076
19-12-2019 0:00	11:16:00	29,47338	55,55917	20,425346	1006,5104	953,34204	15,418837	482,55206
19-12-2019 0:00	11:17:00	29,48206	54,680264	20,581596	1006,467	952,7778	15,400752	478,55902
19-12-2019 0:00	11:18:00	29,47338	54,257088	20,818863	1006,467	952,7778	15,411603	481,90103
19-12-2019 0:00	11:19:00	29,484953	53,96412	20,957752	1006,467	952,7778	15,404369	481,90103
19-12-2019 0:00	11:20:00	29,47338	53,569878	21,04456	1006,5104	952,98035	15,39171	481,3802



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,47	55,3	20,7	1.006	953,1	15,4	481,8
DESV EST	0,0119	4	0,56	0,1131	0,320	0,04	2,2
DESV EST %		0,0703	0,0270	0,0001	0,0003	0,0023	0,0046
MAX	29,50	60,2	21,8	1.007	953,5	15,5	487,7
MIN	29,44	47,82	19,99	1006,25	952,47	15,35	474,91

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	11:21:00	29,47338	53,222656	21,067707	1006,5321	952,98035	15,395327	481,3802
19-12-2019 0:00	11:22:00	29,484953	53,222656	21,067707	1006,5104	952,98035	15,386285	481,3802
19-12-2019 0:00	11:23:00	29,476273	52,56438	21,154514	1006,5321	952,98035	15,388093	481,3802
19-12-2019 0:00	11:24:00	29,479166	51,90972	21,192127	1006,5321	952,98035	15,398944	481,3802
19-12-2019 0:00	11:25:00	29,48206	51,78313	21,151619	1006,467	952,98035	15,418837	481,3802
19-12-2019 0:00	11:26:00	29,464699	50,770397	21,125576	1006,467	952,98035	15,455006	483,76733
19-12-2019 0:00	11:27:00	29,48206	51,508247	21,015625	1006,4453	952,98035	15,418837	481,42358
19-12-2019 0:00	11:28:00	29,470486	52,21716	20,949074	1006,4236	952,98035	15,409794	484,8958
19-12-2019 0:00	11:29:00	29,484953	53,21542	20,850693	1006,3585	952,98035	15,404369	480,72916
19-12-2019 0:00	11:30:00	29,47338	51,76143	21,004051	1006,3585	952,98035	15,40256	481,7708
19-12-2019 0:00	11:31:00	29,484953	51,45399	21,11979	1006,3368	952,98035	15,375434	478,81943
19-12-2019 0:00	11:32:00	29,476273	51,099537	21,319443	1006,2934	952,6476	15,386285	474,91318
19-12-2019 0:00	11:33:00	29,48206	50,122974	21,377312	1006,2934	952,6476	15,395327	481,42358
19-12-2019 0:00	11:34:00	29,479166	51,161022	21,34259	1006,2934	952,6476	15,395327	481,42358
19-12-2019 0:00	11:35:00	29,48206	50,969326	21,223957	1006,25	952,6476	15,37905	481,42358
19-12-2019 0:00	11:36:00	29,47338	50,969326	21,189236	1006,25	952,6476	15,397135	484,80902
19-12-2019 0:00	11:37:00	29,476273	51,287617	21,154514	1006,25	952,6476	15,389901	482,29166
19-12-2019 0:00	11:38:00	29,476273	51,287617	21,050346	1006,31506	952,6476	15,393518	482,29166
19-12-2019 0:00	11:39:00	29,487846	51,95674	21,050346	1006,31506	952,47394	15,370008	480,16492
19-12-2019 0:00	11:40:00	29,496527	50,71253	21,304974	1006,3585	952,47394	15,371817	480,72916
19-12-2019 0:00	11:41:00	29,487846	49,28385	21,510414	1006,4236	952,47394	15,359158	480,72916
19-12-2019 0:00	11:42:00	29,487846	48,694298	21,626156	1006,4453	952,6331	15,386285	480,72916
19-12-2019 0:00	11:43:00	29,476273	48,781105	21,70139	1006,4453	952,6331	15,373626	480,72916
19-12-2019 0:00	11:44:00	29,493633	48,990883	21,753471	1006,4453	952,6331	15,350116	480,72916
19-12-2019 0:00	11:45:00	29,48206	47,819008	21,799767	1006,4236	952,6331	15,355541	480,51215



DATOS	61	61	61	61	61	61	61
PROMEDIO	23,4	11,7	59.517	12,5	582	574	575
DESV EST	0,31	0,0610	326	0,22	0,62	0,57	0,58
DESV EST %	0,0131	0,0052	0,0055	0,0173	0,0011	0,0010	0,0010
MAX	24,1	11,81	60.097	12,9	583	575	576
MIN	22,80	11,56	58686,88	12,20	581,20	573,10	574,50

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	10:45:00	23,475477	11,778031	59687,82	12,199997	581,4	573,4	574,9
19-12-2019 0:00	10:46:00	23,594835	11,793238	60007,996	12,199997	581,4	573,2	574,7
19-12-2019 0:00	10:47:00	23,339844	11,713932	59604,46	12,199997	581,4	573,2	574,7
19-12-2019 0:00	10:48:00	23,618345	11,761087	59623,957	12,199997	581,4	573,2	574,7
19-12-2019 0:00	10:49:00	23,41399	11,657108	59419,402	12,199997	581,4	573,2	574,7
19-12-2019 0:00	10:50:00	23,077618	11,8090315	59989,39	12,199997	581,60004	573,4	574,9
19-12-2019 0:00	10:51:00	23,527922	11,680796	59516,773	12,199997	581,7	573,4	574,9
19-12-2019 0:00	10:52:00	23,813658	11,780747	60064,074	12,199997	581,5	573,2	574,7
19-12-2019 0:00	10:53:00	23,283781	11,705142	59559,734	12,300003	581,4	573,2	574,7
19-12-2019 0:00	10:54:00	23,088469	11,707802	59669,043	12,300003	581,4	573,10004	574,7
19-12-2019 0:00	10:55:00	23,8444	11,773365	59806,273	12,300003	581,4	573,10004	574,5
19-12-2019 0:00	10:56:00	22,837095	11,746951	59831,516	12,300003	581,4	573,3	574,7
19-12-2019 0:00	10:57:00	23,524305	11,803073	60079,992	12,300003	581,4	573,3	574,7
19-12-2019 0:00	10:58:00	23,196976	11,781601	60096,754	12,300003	581,2	573,10004	574,5
19-12-2019 0:00	10:59:00	23,451967	11,799292	60079,535	12,300003	581,2	573,10004	574,5
19-12-2019 0:00	11:00:00	23,48452	11,776671	59923,7	12,300003	581,60004	573,3	574,7
19-12-2019 0:00	11:01:00	23,732277	11,767883	59884,37	12,300003	581,4	573,4	574,7
19-12-2019 0:00	11:02:00	23,876953	11,727757	59674,81	12,300003	581,4	573,4	574,7
19-12-2019 0:00	11:03:00	23,446543	11,76359	60013,86	12,300003	581,60004	573,3	574,9
19-12-2019 0:00	11:04:00	22,949219	11,764011	59959,83	12,300003	581,60004	573,4	574,7
19-12-2019 0:00	11:05:00	22,904007	11,763425	59908,53	12,400009	581,8	573,4	574,9
19-12-2019 0:00	11:06:00	23,49356	11,709244	59677,55	12,400009	581,60004	573,4	574,7
19-12-2019 0:00	11:07:00	23,518879	11,760832	59773,06	12,400009	581,60004	573,4	574,9
19-12-2019 0:00	11:08:00	23,113787	11,611083	59081,13	12,400009	581,60004	573,4	574,7
19-12-2019 0:00	11:09:00	23,383245	11,689115	59478,184	12,400009	582	573,60004	575,10004
19-12-2019 0:00	11:10:00	23,475477	11,715119	59610,504	12,400009	582	573,7	575,2
19-12-2019 0:00	11:11:00	23,72685	11,687238	59408,926	12,5	582,10004	573,9	575,4
19-12-2019 0:00	11:12:00	23,585793	11,712935	59478,133	12,5	582,10004	574,10004	575,4
19-12-2019 0:00	11:13:00	23,368778	11,6814785	59535,242	12,5	582,10004	573,9	575,4
19-12-2019 0:00	11:14:00	23,667173	11,721811	59662,727	12,5	582,10004	573,9	575,4
19-12-2019 0:00	11:15:00	23,348886	11,652304	59430,1	12,5	581,9	573,7	575,2
19-12-2019 0:00	11:16:00	23,68164	11,695138	59580,94	12,5	582,10004	573,7	575,2
19-12-2019 0:00	11:17:00	23,884186	11,678085	59430,086	12,5	582,3	573,9	575,4
19-12-2019 0:00	11:18:00	23,026981	11,686999	59385,242	12,600006	582,10004	573,9	575,4
19-12-2019 0:00	11:19:00	23,641855	11,59657	59103,203	12,600006	582,3	574,10004	575,4
19-12-2019 0:00	11:20:00	23,748552	11,603388	59000,547	12,600006	582,5	574,2	575,60004



DATOS	61	61	61	61	61	61	61
PROMEDIO	23,4	11,7	59.517	12,5	582	574	575
DESV EST	0,31	0,0610	326	0,22	0,62	0,57	0,58
DESV EST %	0,0131	0,0052	0,0055	0,0173	0,0011	0,0010	0,0010
MAX	24,1	11,81	60.097	12,9	583	575	576
MIN	22,80	11,56	58686,88	12,20	581,20	573,10	574,50

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	11:21:00	22,800926	11,673377	59312,188	12,600006	582,60004	574,2	575,8
19-12-2019 0:00	11:22:00	23,614727	11,698499	59588,434	12,600006	582,60004	574,3	575,7
19-12-2019 0:00	11:23:00	23,558666	11,706945	59471,19	12,600006	582,8	574,5	576
19-12-2019 0:00	11:24:00	23,348886	11,735551	59609,188	12,600006	582,8	574,7	576
19-12-2019 0:00	11:25:00	23,685257	11,703403	59463,7	12,699997	582,60004	574,3	575,8
19-12-2019 0:00	11:26:00	23,983652	11,693559	59565,25	12,699997	582,2	574,10004	575,60004
19-12-2019 0:00	11:27:00	23,703342	11,684313	59566,45	12,699997	582,2	574,10004	575,60004
19-12-2019 0:00	11:28:00	23,348886	11,667945	59370,465	12,699997	582,4	574,10004	575,60004
19-12-2019 0:00	11:29:00	23,49356	11,6246395	59012,96	12,699997	582,60004	574,3	575,8
19-12-2019 0:00	11:30:00	23,0523	11,695344	59566,207	12,699997	582,60004	574,4	575,9
19-12-2019 0:00	11:31:00	23,292824	11,652319	59486,137	12,699997	582,8	574,4	575,9
19-12-2019 0:00	11:32:00	23,90408	11,7182455	59570,176	12,699997	582,8	574,60004	576
19-12-2019 0:00	11:33:00	22,972729	11,582661	58967,406	12,699997	582,8	574,4	576
19-12-2019 0:00	11:34:00	23,739511	11,67067	59384,33	12,699997	582,8	574,4	576
19-12-2019 0:00	11:35:00	23,515263	11,679949	59248,965	12,699997	582,8	574,5	576
19-12-2019 0:00	11:36:00	23,768446	11,617444	59113,496	12,800003	582,8	574,7	576
19-12-2019 0:00	11:37:00	22,799118	11,683672	59450,49	12,800003	582,60004	574,3	575,8
19-12-2019 0:00	11:38:00	23,397715	11,620511	59204,645	12,800003	582,60004	574,3	575,8
19-12-2019 0:00	11:39:00	24,05418	11,621207	59044,797	12,800003	582,8	574,60004	576
19-12-2019 0:00	11:40:00	23,276548	11,597541	59012,227	12,800003	583	574,60004	576
19-12-2019 0:00	11:41:00	23,524305	11,640507	59230,848	12,800003	583,2	574,8	576,2
19-12-2019 0:00	11:42:00	22,81901	11,663386	59421,004	12,800003	583,2	575	576,4
19-12-2019 0:00	11:43:00	23,538773	11,629329	59011,35	12,800003	583,2	574,8	576,2
19-12-2019 0:00	11:44:00	23,515263	11,555129	58686,883	12,900009	583,2	574,9	576,4
19-12-2019 0:00	11:45:00	23,301867	11,647913	59124,598	12,900009	583,2	574,7	576,2





DATOS	61	61	61	61	61	61	61
PROMEDIO	576	576	577	50,0	209	15,66	7,74
DESV EST	0,54	0,57	0,60	0,04	0,9	0,0084	0,0339
DESV EST %	0,0009	0,0010	0,0010	0,0009	0,0045	0,0005	0,0044
MAX	577	577	579	50,1	211	15,69	7,86
MIN	575,00	575,60	576,60	49,92	207,32	15,65	7,68

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	10:45:00	575,2	575,8	576,9	50,017452	210,77257	15,663592	7,7693863
19-12-2019 0:00	10:46:00	575,2	575,8	576,60004	50,035	210,07811	15,663592	7,7868924
19-12-2019 0:00	10:47:00	575,2	575,8	576,60004	50,02941	209,36197	15,663592	7,73159
19-12-2019 0:00	10:48:00	575,2	575,8	576,60004	49,988544	210,01302	15,663592	7,765408
19-12-2019 0:00	10:49:00	575,2	575,8	576,60004	49,92672	210,33853	15,663592	7,765408
19-12-2019 0:00	10:50:00	575,4	575,8	576,60004	49,99904	210,25172	15,663592	7,788086
19-12-2019 0:00	10:51:00	575,4	575,8	576,9	50,028606	210,42534	15,663592	7,7347727
19-12-2019 0:00	10:52:00	575,4	575,8	576,9	50,020927	210,96788	15,663592	7,790473
19-12-2019 0:00	10:53:00	575,4	575,8	576,9	50,05161	210,01302	15,663592	7,790473
19-12-2019 0:00	10:54:00	575,4	575,60004	576,60004	50,02388	211,3151	15,663592	7,7729673
19-12-2019 0:00	10:55:00	575	575,60004	576,60004	50,079052	210,59895	15,663592	7,7729673
19-12-2019 0:00	10:56:00	575	575,60004	576,60004	50,06747	210,55554	15,663592	7,7729673
19-12-2019 0:00	10:57:00	575	575,60004	576,60004	49,997307	210,55554	15,685583	7,7729673
19-12-2019 0:00	10:58:00	575	575,60004	576,60004	49,925644	210,66405	15,685583	7,7729673
19-12-2019 0:00	10:59:00	575,2	575,60004	576,60004	50,05319	210,88107	15,685583	7,76501
19-12-2019 0:00	11:00:00	575,2	575,60004	576,60004	49,95916	210,14322	15,645725	7,8139467
19-12-2019 0:00	11:01:00	575,2	575,60004	576,60004	49,964046	210,12152	15,645725	7,765408
19-12-2019 0:00	11:02:00	575,2	575,60004	576,60004	50,04437	210,59895	15,662905	7,765408
19-12-2019 0:00	11:03:00	575,2	575,60004	576,60004	50,057034	209,90451	15,662905	7,7713757
19-12-2019 0:00	11:04:00	575,2	575,60004	576,60004	49,977467	211,2717	15,662905	7,7713757
19-12-2019 0:00	11:05:00	575,2	575,60004	576,60004	49,981976	209,62239	15,662905	7,8585067
19-12-2019 0:00	11:06:00	575,2	576	576,9	50,00398	209,7309	15,662905	7,768591
19-12-2019 0:00	11:07:00	575,2	576	576,9	50,07624	210,72916	15,662905	7,7105036
19-12-2019 0:00	11:08:00	575,2	576	576,9	49,91609	209,03645	15,662905	7,7292027
19-12-2019 0:00	11:09:00	575,5	576	576,9	49,987812	209,29686	15,662905	7,7550635
19-12-2019 0:00	11:10:00	575,5	576	577,4	49,92808	209,27516	15,662905	7,7829137
19-12-2019 0:00	11:11:00	575,9	576	577,4	49,97129	209,9696	15,662905	7,7614293
19-12-2019 0:00	11:12:00	575,9	576,4	577,4	50,00149	209,44878	15,662905	7,72045
19-12-2019 0:00	11:13:00	575,9	576,4	577,4	49,98509	210,40364	15,662905	7,7128906
19-12-2019 0:00	11:14:00	575,9	576,4	577,4	50,085224	208,55902	15,662905	7,733579
19-12-2019 0:00	11:15:00	575,9	576,4	577,4	49,973557	209,9479	15,662905	7,733579
19-12-2019 0:00	11:16:00	575,9	576,4	577,4	49,972942	209,77429	15,662905	7,733579
19-12-2019 0:00	11:17:00	575,9	576,4	577,4	49,924095	209,36197	15,662905	7,7124925
19-12-2019 0:00	11:18:00	575,9	576,4	577,4	50,01976	209,36197	15,662905	7,7124925
19-12-2019 0:00	11:19:00	575,9	576,4	577,4	50,010303	208,1684	15,682835	7,705729
19-12-2019 0:00	11:20:00	575,9	576,4	577,4	49,95682	208,60242	15,682835	7,7411385



DATOS	61	61	61	61	61	61	61
PROMEDIO	576	576	577	50,0	209	15,66	7,74
DESV EST	0,54	0,57	0,60	0,04	0,9	0,0084	0,0339
DESV EST %	0,0009	0,0010	0,0010	0,0009	0,0045	0,0005	0,0044
MAX	577	577	579	50,1	211	15,69	7,86
MIN	575,00	575,60	576,60	49,92	207,32	15,65	7,68

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	11:21:00	575,9	576,4	577,4	49,96832	208,99304	15,682835	7,7124925
19-12-2019 0:00	11:22:00	575,9	576,4	577,8	49,975956	208,51561	15,659469	7,7124925
19-12-2019 0:00	11:23:00	576,4	576,9	577,8	49,966137	208,55902	15,659469	7,7124925
19-12-2019 0:00	11:24:00	576,4	576,9	577,8	49,97219	208,77603	15,659469	7,7124925
19-12-2019 0:00	11:25:00	576,4	576,9	577,8	49,997475	209,05815	15,659469	7,719654
19-12-2019 0:00	11:26:00	576,4	576,9	577,8	50,090256	210,33853	15,659469	7,716471
19-12-2019 0:00	11:27:00	576	576,9	577,8	50,018276	209,23177	15,659469	7,683847
19-12-2019 0:00	11:28:00	576	576,60004	577,8	50,029224	209,10155	15,659469	7,7097077
19-12-2019 0:00	11:29:00	576	576,60004	577,8	50,024006	209,57898	15,678711	7,7097077
19-12-2019 0:00	11:30:00	576	576,60004	577,60004	50,013496	209,03645	15,678711	7,735171
19-12-2019 0:00	11:31:00	576,4	576,60004	577,60004	49,931587	209,64409	15,678711	7,7669992
19-12-2019 0:00	11:32:00	576,4	576,9	578,10004	49,95478	209,47047	15,678711	7,716471
19-12-2019 0:00	11:33:00	576,4	576,9	578,10004	50,029007	208,79773	15,6615305	7,716471
19-12-2019 0:00	11:34:00	576,4	576,9	578,10004	50,029507	208,10329	15,6615305	7,725224
19-12-2019 0:00	11:35:00	576,4	576,9	578,10004	50,049545	208,3854	15,6615305	7,725224
19-12-2019 0:00	11:36:00	576,4	576,9	578,10004	50,058506	209,18835	15,6615305	7,725224
19-12-2019 0:00	11:37:00	576,4	576,9	577,8	50,00238	208,1901	15,6615305	7,725224
19-12-2019 0:00	11:38:00	576,4	576,9	577,8	50,032116	208,94965	15,6615305	7,7781396
19-12-2019 0:00	11:39:00	576,4	576,9	577,8	49,960995	208,60242	15,6615305	7,7232347
19-12-2019 0:00	11:40:00	576,4	576,9	577,8	49,92924	207,73436	15,6615305	7,7176647
19-12-2019 0:00	11:41:00	576,4	576,9	578,2	49,948723	208,47221	15,6615305	7,7124925
19-12-2019 0:00	11:42:00	576,4	577,4	578,2	49,982544	208,94965	15,6615305	7,7124925
19-12-2019 0:00	11:43:00	576,7	577,4	578,2	50,02193	208,08159	15,6615305	7,703342
19-12-2019 0:00	11:44:00	576,7	577,4	578,5	49,97559	207,73436	15,6615305	7,6850405
19-12-2019 0:00	11:45:00	576,7	577,4	578,5	50,017628	207,32204	15,6615305	7,7192564



DATOS	61	61	61	61	61	61
PROMEDIO	7,74	7,78	0,9869	700	3,68	6,684
DESV EST	0,0334	0,0355	0,0013	2,9	0,0197	0,002
DESV EST %	0,0043	0,0046	0,0013	0,0041	0,0053	0,0003
MAX	7,83	7,89	0,9888	709	3,72	6,691
MIN	7,66	7,69	0,98	693,16	3,65	6,68

Date	Time	GEN CURRENT L2		GEN CURRENT L3		POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV		
19-12-2019 0:00	10:45:00	7,7673974	7,8219037	0,9871216	700,8789	3,678255	6,683626		
19-12-2019 0:00	10:46:00	7,7673974	7,815936	0,9871216	705,0781	3,678255	6,683626		
19-12-2019 0:00	10:47:00	7,7669992	7,815936	0,9871216	702,34375	3,6539352	6,683626		
19-12-2019 0:00	10:48:00	7,7232347	7,8179255	0,987854	700,8789	3,6539352	6,683626		
19-12-2019 0:00	10:49:00	7,75944	7,8179255	0,987854	700,8789	3,688339	6,683626		
19-12-2019 0:00	10:50:00	7,75944	7,7749567	0,987854	699,8047	3,6794415	6,682483		
19-12-2019 0:00	10:51:00	7,788086	7,7753544	0,9859009	702,14844	3,6794415	6,687055		
19-12-2019 0:00	10:52:00	7,750687	7,866066	0,9859009	699,8047	3,6657984	6,6810546		
19-12-2019 0:00	10:53:00	7,7669992	7,762225	0,9859009	698,73047	3,6907117	6,6907697		
19-12-2019 0:00	10:54:00	7,7669992	7,770978	0,9859009	701,9531	3,6907117	6,6799116		
19-12-2019 0:00	10:55:00	7,7669992	7,8179255	0,9888306	701,9531	3,6557145	6,6776257		
19-12-2019 0:00	10:56:00	7,7669992	7,7801285	0,9870605	701,9531	3,6699507	6,6856265		
19-12-2019 0:00	10:57:00	7,7669992	7,8203125	0,9870605	701,9531	3,6699507	6,683626		
19-12-2019 0:00	10:58:00	7,7673974	7,8895397	0,9870605	701,9531	3,6699507	6,683626		
19-12-2019 0:00	10:59:00	7,760236	7,8167315	0,9870605	697,3633	3,7221498	6,683626		
19-12-2019 0:00	11:00:00	7,7184606	7,8167315	0,9885864	700,97656	3,6598668	6,683626		
19-12-2019 0:00	11:01:00	7,772569	7,8167315	0,9885864	700,97656	3,706134	6,6833405		
19-12-2019 0:00	11:02:00	7,772569	7,784107	0,9874878	705,66406	3,6729167	6,6833405		
19-12-2019 0:00	11:03:00	7,711299	7,7773438	0,9874878	703,6133	3,6729167	6,6856265		
19-12-2019 0:00	11:04:00	7,8250866	7,772569	0,9874878	696,875	3,6729167	6,686769		
19-12-2019 0:00	11:05:00	7,751085	7,8219037	0,9874878	701,3672	3,6729167	6,683912		
19-12-2019 0:00	11:06:00	7,751085	7,7785373	0,9874878	701,3672	3,684187	6,683912		
19-12-2019 0:00	11:07:00	7,751085	7,816334	0,9874878	699,70703	3,684187	6,683912		
19-12-2019 0:00	11:08:00	7,751085	7,770182	0,9874878	698,33984	3,684187	6,683912		
19-12-2019 0:00	11:09:00	7,758644	7,8199143	0,9874878	698,33984	3,663426	6,683912		
19-12-2019 0:00	11:10:00	7,799226	7,812355	0,9874878	704,58984	3,663426	6,683912		
19-12-2019 0:00	11:11:00	7,764612	7,7829137	0,9874878	698,73047	3,6966434	6,683912		
19-12-2019 0:00	11:12:00	7,7073207	7,7829137	0,9880981	698,73047	3,6966434	6,683912		
19-12-2019 0:00	11:13:00	7,7542677	7,7829137	0,9880981	698,73047	3,6966434	6,6821976		
19-12-2019 0:00	11:14:00	7,7132883	7,749096	0,9880981	698,73047	3,7114727	6,6904836		
19-12-2019 0:00	11:15:00	7,7176647	7,779333	0,9880981	693,16406	3,7114727	6,6821976		
19-12-2019 0:00	11:16:00	7,7721715	7,7522783	0,9880981	695,41016	3,7114727	6,6821976		
19-12-2019 0:00	11:17:00	7,7013526	7,776548	0,9880981	700,29297	3,7114727	6,679626		
19-12-2019 0:00	11:18:00	7,8119574	7,82071	0,9880981	700,29297	3,7114727	6,6856265		
19-12-2019 0:00	11:19:00	7,6985674	7,7542677	0,9859009	697,3633	3,7114727	6,686769		
19-12-2019 0:00	11:20:00	7,7132883	7,7542677	0,9859009	697,3633	3,7114727	6,683626		



DATOS	61	61	61	61	61	61
PROMEDIO	7,74	7,78	0,9869	700	3,68	6,684
DESV EST	0,0334	0,0355	0,0013	2,9	0,0197	0,002
DESV EST %	0,0043	0,0046	0,0013	0,0041	0,0053	0,0003
MAX	7,83	7,89	0,9888	709	3,72	6,691
MIN	7,66	7,69	0,98	693,16	3,65	6,68

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV
19-12-2019 0:00	11:21:00	7,7132883	7,7542677	0,9866943	701,3672	3,6752892	6,681912
19-12-2019 0:00	11:22:00	7,7132883	7,7542677	0,9866943	701,9531	3,7114727	6,684769
19-12-2019 0:00	11:23:00	7,694589	7,7542677	0,9866943	700,4883	3,6657984	6,6799116
19-12-2019 0:00	11:24:00	7,697374	7,7542677	0,9866943	700,4883	3,6657984	6,683912
19-12-2019 0:00	11:25:00	7,7192564	7,784505	0,9866943	697,46094	3,6657984	6,683912
19-12-2019 0:00	11:26:00	7,71488	7,756257	0,9866943	698,73047	3,7138455	6,683912
19-12-2019 0:00	11:27:00	7,71488	7,756257	0,987915	698,73047	3,6628327	6,6821976
19-12-2019 0:00	11:28:00	7,71488	7,756257	0,987915	694,8242	3,6628327	6,683912
19-12-2019 0:00	11:29:00	7,71488	7,756257	0,987915	698,2422	3,6628327	6,683912
19-12-2019 0:00	11:30:00	7,697772	7,756257	0,987915	696,4844	3,6628327	6,683912
19-12-2019 0:00	11:31:00	7,697772	7,744719	0,987915	699,41406	3,6628327	6,6841974
19-12-2019 0:00	11:32:00	7,7184606	7,760236	0,9848633	703,90625	3,6628327	6,6841974
19-12-2019 0:00	11:33:00	7,7184606	7,760236	0,9848633	699,70703	3,6972365	6,682483
19-12-2019 0:00	11:34:00	7,7184606	7,760236	0,9848633	700,97656	3,6972365	6,682483
19-12-2019 0:00	11:35:00	7,7184606	7,7483	0,9848633	704,6875	3,681221	6,682483
19-12-2019 0:00	11:36:00	7,7184606	7,7483	0,9848633	700,78125	3,681221	6,6864834
19-12-2019 0:00	11:37:00	7,711299	7,7833114	0,987854	699,70703	3,706134	6,6821976
19-12-2019 0:00	11:38:00	7,6599755	7,6926	0,987854	699,70703	3,706134	6,6821976
19-12-2019 0:00	11:39:00	7,7176647	7,7467084	0,9862061	699,70703	3,706134	6,6821976
19-12-2019 0:00	11:40:00	7,7105036	7,7467084	0,9862061	699,70703	3,706134	6,683626
19-12-2019 0:00	11:41:00	7,7105036	7,7411385	0,9862061	708,6914	3,6551213	6,683626
19-12-2019 0:00	11:42:00	7,7105036	7,837818	0,9833374	705,8594	3,7091	6,683626
19-12-2019 0:00	11:43:00	7,7105036	7,711299	0,9833374	705,8594	3,6693575	6,683626
19-12-2019 0:00	11:44:00	7,7105036	7,7614293	0,9833374	703,90625	3,6693575	6,683626
19-12-2019 0:00	11:45:00	7,685438	7,7483	0,9859619	697,85156	3,6693575	6,683626





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	397	205,8	86,92	20,9	0,811	45,1	64,0	180,8
DESV EST	1,6	1,0	1,32	0,05	0,006	0,19	0,95	0,62
DESV EST %	0,0040	0,0047	0,0151	0,0026	0,0078	0,0043	0,0149	0,0034
MAX	400	207,8	91,20	21,1	0,825	45,6	66,3	181,8
MIN	394,97	203,77	84,05	20,79	0,79	44,67	62,89	179,35

Date	Time	MV INC FDR CUR L2	UNIT LOAD SETPOINT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V
		11BBT01CE102 XQ01 XQ01	11CJA00DE100  XQ95	11LCA20CF001  XQ01	10LCA20CP001  XQ01	11LAE10CF001  XQ01	11LCA60CF001  XQ01	11LAB20CF001  XQ01	10LAB20CP001  XQ01
		A	MW	kg/s	BAR	kg/s	kg/s	kg/s	BAR
19-12-2019 0:00	11:21:00	399,35983	205,6065	91,20462	20,81923	0,8120808	44,882034	64,59993	180,19098
19-12-2019 0:00	11:22:00	396,3759	205,61446	88,006516	20,899523	0,8120808	44,844357	64,887665	180,16493
19-12-2019 0:00	11:23:00	396,3759	204,65237	87,89896	20,877823	0,8120808	45,054054	63,523415	180,94618
19-12-2019 0:00	11:24:00	396,3759	204,98418	87,376434	20,895184	0,8184555	44,901413	63,225132	180,72917
19-12-2019 0:00	11:25:00	396,3759	206,30298	85,21675	21,014542	0,8113236	45,122684	63,58153	181,08508
19-12-2019 0:00	11:26:00	396,3759	206,26727	86,876076	21,077475	0,8113236	45,332703	64,15308	181,75348
19-12-2019 0:00	11:27:00	396,3759	204,86534	86,29069	20,997179	0,8113236	44,99484	63,29758	181,22397
19-12-2019 0:00	11:28:00	395,39932	206,17929	85,4722	21,0102	0,8086811	45,251312	63,50217	181,03299
19-12-2019 0:00	11:29:00	395,39932	206,14005	85,60895	21,009115	0,811706	45,266685	63,58794	181,0764
19-12-2019 0:00	11:30:00	395,39932	204,84685	86,0493	21,039497	0,8203619	44,998314	63,74398	180,86806
19-12-2019 0:00	11:31:00	395,39932	205,98956	86,31096	20,91797	0,8125657	45,319366	63,126484	180,34723
19-12-2019 0:00	11:32:00	395,39932	204,91763	85,54404	20,961372	0,8125657	45,410103	63,36088	180,91147
19-12-2019 0:00	11:33:00	398,60028	205,02472	85,734055	20,960287	0,8125657	44,986122	63,8494	181,04167
19-12-2019 0:00	11:34:00	398,60028	204,92096	86,56711	20,94835	0,8190655	44,854805	63,82447	181,04167
19-12-2019 0:00	11:35:00	398,60028	205,34668	85,99977	20,971138	0,8077085	45,3408	63,946865	180,70314
19-12-2019 0:00	11:36:00	396,91843	205,57793	86,78376	20,98633	0,816574	45,430573	63,84758	181,44966
19-12-2019 0:00	11:37:00	400,01086	204,11623	85,85532	20,949436	0,8073	45,139812	63,576378	181,27605
19-12-2019 0:00	11:38:00	400,01086	204,47862	85,011894	21,0102	0,8166574	45,401558	63,556355	181,0764
19-12-2019 0:00	11:39:00	400,01086	203,76842	86,07531	20,94835	0,8050003	45,123768	63,352055	181,0764
19-12-2019 0:00	11:40:00	397,13544	204,3011	86,49083	20,925566	0,8232234	45,123768	63,14185	181,01564
19-12-2019 0:00	11:41:00	397,13544	204,46489	86,437996	20,882162	0,816558	45,016426	63,404858	180,52084
19-12-2019 0:00	11:42:00	395,12805	205,50002	86,47034	20,960287	0,8190454	45,157497	63,770706	180,74654
19-12-2019 0:00	11:43:00	395,12805	204,49167	86,83531	20,903864	0,8096245	45,384495	63,458763	180,74654
19-12-2019 0:00	11:44:00	395,12805	203,82901	85,81316	20,945097	0,8096245	45,57056	63,72274	180,86806
19-12-2019 0:00	11:45:00	395,12805	204,06856	85,28658	21,024307	0,8096245	45,132706	63,86957	181,08508





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	13,58	71,85	0,18	8,88	16,47	1.898,79	96,11	94,76
DESV EST	0,13	0,28	0,09	0,35	0,09	13,97	0,08	0,09
DESV EST %	0,0094	0,0039	0,4850	0,0399	0,0052	0,0074	0,0009	0,0009
MAX	13,76	72,22	0,52	9,42	16,61	1926,66	96,21	94,86
MIN	13,30	71,11	0,10	8,02	16,19	1871,49	95,96	94,60

Date	Time	FLOW IP FW HDR	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING
		11LAB50CF001  XQ01	10LAB50CP001  XQ01	11LAF10CF001  XQ01	11LCA31CF001  XQ01	11LCA30CP001  XQ01	10LAA10FL901  XQ01	10LBA10FP004  XQ01	10MAA50CP001  XQ01
		kg/s	BAR	kg/s	kg/s	BAR	mm	bar	bar
19-12-2019 0:00	11:21:00	13,6628275	71,57118	0,1342819	8,8866825	16,213108	1897,9784	96,03853	94,66435
19-12-2019 0:00	11:22:00	13,668125	71,57118	0,1055328	9,128053	16,369358	1907,01	96,01368	94,66435
19-12-2019 0:00	11:23:00	13,75037	71,92202	0,1233481	8,321109	16,407335	1909,0342	95,986855	94,66435
19-12-2019 0:00	11:24:00	13,716357	71,83521	0,5249903	8,146007	16,38455	1916,0265	95,961296	94,66435
19-12-2019 0:00	11:25:00	13,713666	71,91479	0,1091809	8,196406	16,514757	1913,0133	95,961296	94,60069
19-12-2019 0:00	11:26:00	13,757555	72,20052	0,2289951	8,9191675	16,610245	1913,0049	95,961296	94,60069
19-12-2019 0:00	11:27:00	13,757555	71,99797	0,1931121	9,343675	16,489801	1916,3523	95,99509	94,60069
19-12-2019 0:00	11:28:00	13,745679	71,99797	0,105669	8,175764	16,520184	1910,0786	96,0129	94,65277
19-12-2019 0:00	11:29:00	13,74384	72,07031	0,1023308	9,090803	16,582031	1908,8572	96,0129	94,65277
19-12-2019 0:00	11:30:00	13,721258	71,84968	0,1957293	8,48706	16,438803	1911,0911	96,0129	94,65277
19-12-2019 0:00	11:31:00	13,721258	71,71224	0,2940466	8,908982	16,522354	1902,1191	96,0129	94,65277
19-12-2019 0:00	11:32:00	13,721258	71,92564	0,2729072	9,031747	16,539715	1906,5046	96,0129	94,65277
19-12-2019 0:00	11:33:00	13,721258	71,93287	0,3617162	8,988756	16,489801	1907,1045	96,0129	94,65277
19-12-2019 0:00	11:34:00	13,739281	71,93287	0,1877674	9,188055	16,48763	1897,75	96,0129	94,65277
19-12-2019 0:00	11:35:00	13,726906	71,93287	0,1705348	8,954784	16,576607	1895,1333	96,04292	94,69328
19-12-2019 0:00	11:36:00	13,726906	72,04861	0,2113949	9,338795	16,576607	1903,1335	96,04292	94,69328
19-12-2019 0:00	11:37:00	13,72397	71,907555	0,1036614	9,206283	16,512589	1900,4712	96,05	94,69328
19-12-2019 0:00	11:38:00	13,72397	71,907555	0,3814102	8,02495	16,56467	1896,1376	96,05	94,69328
19-12-2019 0:00	11:39:00	13,72397	71,842445	0,1516703	8,259644	16,490887	1888,0385	96,068565	94,69328
19-12-2019 0:00	11:40:00	13,488222	72,077545	0,2208856	9,420032	16,541885	1893,6917	96,05722	94,69328
19-12-2019 0:00	11:41:00	13,454773	71,77011	0,1991266	9,318194	16,427952	1894,0221	96,02896	94,69328
19-12-2019 0:00	11:42:00	13,454773	71,8967	0,1157292	9,188035	16,48763	1886,5968	96,02896	94,69328
19-12-2019 0:00	11:43:00	13,477829	71,8967	0,109305	9,12422	16,516928	1884,6534	96,01236	94,69328
19-12-2019 0:00	11:44:00	13,459624	71,92925	0,2347793	8,964682	16,574436	1886,8762	96,01236	94,69328
19-12-2019 0:00	11:45:00	13,471135	72,13903	0,2707967	8,269539	16,601562	1888,3982	96,01236	94,69328





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	25,89	24,98	24,60	2,85	3,50	2,70	2,99	0,05
DESV EST	0,05	0,04	0,05	0,02	0,04	0,04	0,02	0,00
DESV EST %	0,0018	0,0017	0,0018	0,0062	0,0119	0,0152	0,0055	0,0080
MAX	25,94	25,04	24,66	2,89	3,58	2,77	3,02	0,05
MIN	25,81	24,90	24,52	2,81	3,43	2,64	2,94	0,05

Date	Time	COLD REHT P	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1
		10LBC10FP911  XQ01 bar	10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs
19-12-2019 0:00	10:45:00	25,91143	24,997028	24,633247	2,8519964	3,4659052	2,6783514	2,966424	0,0466357
19-12-2019 0:00	10:46:00	25,91143	24,997028	24,633247	2,8527198	3,5021105	2,6902192	3,012116	0,0466357
19-12-2019 0:00	10:47:00	25,91143	24,997028	24,633247	2,8382523	3,5719862	2,702983	2,991259	0,0466357
19-12-2019 0:00	10:48:00	25,91143	24,997028	24,633247	2,8404224	3,5158687	2,7393854	2,991259	0,0466357
19-12-2019 0:00	10:49:00	25,91143	24,997028	24,633247	2,8519964	3,4554057	2,7210016	2,9792032	0,0466357
19-12-2019 0:00	10:50:00	25,91143	25,001577	24,620228	2,8548899	3,553884	2,6964033	3,0100667	0,046503
19-12-2019 0:00	10:51:00	25,91143	25,001577	24,620228	2,8541665	3,5184026	2,6995633	3,0041592	0,046503
19-12-2019 0:00	10:52:00	25,91143	25,01194	24,620228	2,8556132	3,4593883	2,6641262	2,9928265	0,046503
19-12-2019 0:00	10:53:00	25,91143	25,01194	24,620228	2,82921	3,5585904	2,7249708	3,0098255	0,046503
19-12-2019 0:00	10:54:00	25,91143	25,02076	24,620228	2,8762295	3,5643835	2,6954076	3,0087404	0,046503
19-12-2019 0:00	10:55:00	25,91143	25,02076	24,646269	2,859592	3,4724221	2,7719471	2,9906564	0,0464307
19-12-2019 0:00	10:56:00	25,91143	25,02076	24,646269	2,8538048	3,471336	2,7464924	2,9898124	0,0464307
19-12-2019 0:00	10:57:00	25,942566	25,027267	24,646269	2,8566983	3,4858184	2,6949353	2,99572	0,0462378
19-12-2019 0:00	10:58:00	25,942566	25,027267	24,646269	2,8765912	3,5437465	2,6628416	2,9984927	0,0462378
19-12-2019 0:00	10:59:00	25,942566	25,027267	24,646269	2,871166	3,4901628	2,6631696	2,9984927	0,0463463
19-12-2019 0:00	11:00:00	25,942566	25,035118	24,646269	2,845486	3,4633708	2,72421	2,9984927	0,0462137
19-12-2019 0:00	11:01:00	25,942566	25,035118	24,646269	2,8852718	3,477129	2,6652658	2,9984927	0,0462137
19-12-2019 0:00	11:02:00	25,942566	25,035118	24,646269	2,841869	3,5564184	2,6585045	3,0153713	0,0461413
19-12-2019 0:00	11:03:00	25,942566	25,035118	24,65929	2,8755062	3,5575042	2,6915398	2,9842668	0,0461413
19-12-2019 0:00	11:04:00	25,942566	25,035118	24,65929	2,8783998	3,4412856	2,6948173	3,000422	0,0463584
19-12-2019 0:00	11:05:00	25,942566	25,035118	24,65929	2,8530815	3,4630089	2,7040312	2,9795651	0,0463584
19-12-2019 0:00	11:06:00	25,942566	25,031092	24,65929	2,8556132	3,5299883	2,6712213	2,999578	0,0465392
19-12-2019 0:00	11:07:00	25,942566	25,031092	24,65929	2,8592303	3,485094	2,67338	2,998493	0,0465392
19-12-2019 0:00	11:08:00	25,942566	25,031092	24,65929	2,8599536	3,5314364	2,6704605	2,9949965	0,0465392
19-12-2019 0:00	11:09:00	25,942566	25,025806	24,65929	2,8809316	3,541212	2,691456	3,0005424	0,0465392
19-12-2019 0:00	11:10:00	25,942566	25,025806	24,65929	2,8436775	3,505731	2,6560607	3,0091023	0,0465392
19-12-2019 0:00	11:11:00	25,942566	25,01563	24,65929	2,8635705	3,4380274	2,738157	2,9875221	0,0465392
19-12-2019 0:00	11:12:00	25,942566	25,011696	24,633247	2,8783998	3,4669914	2,6431277	3,0136833	0,0466718
19-12-2019 0:00	11:13:00	25,942566	25,001156	24,633247	2,838614	3,5426602	2,7374635	2,992947	0,0464428
19-12-2019 0:00	11:14:00	25,942566	24,990593	24,633247	2,8433158	3,5513496	2,6821268	3,0104282	0,0464428
19-12-2019 0:00	11:15:00	25,942566	24,983192	24,633247	2,8599536	3,4952316	2,7427936	2,9553323	0,0464428
19-12-2019 0:00	11:16:00	25,877892	24,97272	24,600697	2,8682725	3,451785	2,6961617	2,9848695	0,0463342
19-12-2019 0:00	11:17:00	25,877892	24,96541	24,600697	2,8295717	3,4876285	2,6470523	2,9541266	0,0463342
19-12-2019 0:00	11:18:00	25,877892	24,952007	24,600697	2,8614004	3,549539	2,6473699	2,9632893	0,0461534
19-12-2019 0:00	11:19:00	25,877892	24,927076	24,559464	2,8241463	3,5383158	2,7444239	2,9875221	0,0461534
19-12-2019 0:00	11:20:00	25,877892	24,912512	24,559464	2,815104	3,4684396	2,7446797	2,9767923	0,0461534



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	25,89	24,98	24,60	2,85	3,50	2,70	2,99	0,05
DESV EST	0,05	0,04	0,05	0,02	0,04	0,04	0,02	0,00
DESV EST %	0,0018	0,0017	0,0018	0,0062	0,0119	0,0152	0,0055	0,0080
MAX	25,94	25,04	24,66	2,89	3,58	2,77	3,02	0,05
MIN	25,81	24,90	24,52	2,81	3,43	2,64	2,94	0,05

Date	Time	COLD REHT P	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1
		10LBC10FP911  XQ01 bar	10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs
19-12-2019 0:00	11:21:00	25,814528	24,912512	24,559464	2,812934	3,483284	2,7511241	2,9553323	0,0459846
19-12-2019 0:00	11:22:00	25,814528	24,906355	24,52474	2,8125722	3,5031967	2,7526402	2,9673884	0,0458399
19-12-2019 0:00	11:23:00	25,814528	24,89627	24,52474	2,8259547	3,4843698	2,7579443	2,9411063	0,0458399
19-12-2019 0:00	11:24:00	25,814528	24,89627	24,52474	2,852358	3,5075412	2,643042	2,9700408	0,0456832
19-12-2019 0:00	11:25:00	25,814528	24,89627	24,52474	2,847656	3,4796634	2,6473296	2,9734166	0,0456832
19-12-2019 0:00	11:26:00	25,814528	24,906204	24,52474	2,8519964	3,5003004	2,7431784	2,9734166	0,0456832
19-12-2019 0:00	11:27:00	25,814528	24,920437	24,52474	2,8183591	3,5499015	2,7373834	2,975466	0,0455024
19-12-2019 0:00	11:28:00	25,814528	24,92767	24,52474	2,841869	3,4445443	2,6526628	2,9689558	0,0455024
19-12-2019 0:00	11:29:00	25,814528	24,92767	24,52474	2,8603153	3,520575	2,7512028	2,9772744	0,0456591
19-12-2019 0:00	11:30:00	25,814528	24,936632	24,559464	2,8653789	3,4680777	2,6531641	2,9684734	0,0456591
19-12-2019 0:00	11:31:00	25,814528	24,942776	24,559464	2,8400607	3,5093517	2,6564271	3,0015068	0,0456591
19-12-2019 0:00	11:32:00	25,855036	24,942776	24,559464	2,8382523	3,5589523	2,6648452	3,001266	0,0456591
19-12-2019 0:00	11:33:00	25,855036	24,952703	24,559464	2,852358	3,5003004	2,6406474	3,0010247	0,0458279
19-12-2019 0:00	11:34:00	25,855036	24,952703	24,559464	2,8382523	3,4412856	2,7483256	2,9789622	0,0458279
19-12-2019 0:00	11:35:00	25,855036	24,961006	24,559464	2,826678	3,4702501	2,7524235	2,9834228	0,0458279
19-12-2019 0:00	11:36:00	25,855036	24,961006	24,581165	2,8382523	3,5531597	2,6516669	2,9907773	0,0458279
19-12-2019 0:00	11:37:00	25,855036	24,961006	24,581165	2,8675492	3,5176787	2,7557	2,9939117	0,0458279
19-12-2019 0:00	11:38:00	25,855036	24,966661	24,581165	2,871166	3,4441824	2,7553587	2,9895716	0,0458279
19-12-2019 0:00	11:39:00	25,855036	24,966661	24,581165	2,8650172	3,4753184	2,653293	2,9608781	0,0458279
19-12-2019 0:00	11:40:00	25,855036	24,966661	24,581165	2,8328269	3,5774174	2,754365	2,9858341	0,0458279
19-12-2019 0:00	11:41:00	25,87529	24,966661	24,581165	2,862847	3,4532337	2,7531323	2,9858341	0,0458279
19-12-2019 0:00	11:42:00	25,87529	24,966661	24,581165	2,8603153	3,4278898	2,648752	2,9790828	0,0458279
19-12-2019 0:00	11:43:00	25,87529	24,962217	24,581165	2,8657405	3,4630089	2,6597114	2,9880042	0,0457314
19-12-2019 0:00	11:44:00	25,87529	24,962217	24,581165	2,8653789	3,5672798	2,7563097	2,9984927	0,0457314
19-12-2019 0:00	11:45:00	25,87529	24,962217	24,581165	2,8411458	3,5676417	2,7063832	2,9858341	0,0455024



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	529,14	345,15	534,77	251,22	232,63	255,14	19,98	19,86
DESV EST	0,44	0,29	0,43	0,16	0,10	0,20	0,07	0,08
DESV EST %	0,0008	0,0008	0,0008	0,0007	0,0004	0,0008	0,0037	0,0039
MAX	529,84	345,80	535,62	251,60	232,91	255,50	20,10	19,97
MIN	528,50	344,80	534,31	251,10	232,51	254,90	19,85	19,74

Date	Time	TEMP HP MS U/S ST	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2
		10LBA11CT001  XQ01 °C	10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C
19-12-2019 0:00	10:45:00	528,50116	344,8	534,3081	251,10004	232,91014	255,20001	20,030382	19,941767
19-12-2019 0:00	10:46:00	528,50116	344,8	534,3081	251,10004	232,91014	255,20001	20,030382	19,941767
19-12-2019 0:00	10:47:00	528,50116	344,8	534,3081	251,10004	232,77994	255,20001	20,030382	19,939959
19-12-2019 0:00	10:48:00	528,50116	344,8	534,3081	251,10004	232,77994	255,20001	20,030382	19,912832
19-12-2019 0:00	10:49:00	528,6892	344,8	534,3081	251,10004	232,77994	255,10004	20,030382	19,912832
19-12-2019 0:00	10:50:00	528,6892	344,90002	534,3081	251,10004	232,77994	255,10004	20,019531	19,912832
19-12-2019 0:00	10:51:00	528,6892	344,90002	534,3081	251,10004	232,77994	255,10004	20,019531	19,912832
19-12-2019 0:00	10:52:00	528,6892	344,90002	534,3081	251,29999	232,77994	255,10004	20,041233	19,912832
19-12-2019 0:00	10:53:00	528,6892	344,90002	534,3081	251,29999	232,77994	255,10004	20,041233	19,912832
19-12-2019 0:00	10:54:00	528,75977	344,90002	534,3081	251,29999	232,77994	255,10004	20,041233	19,912832
19-12-2019 0:00	10:55:00	528,75977	345,10004	534,3081	251,29999	232,77994	255,10004	20,041233	19,912832
19-12-2019 0:00	10:56:00	528,75977	345,10004	534,54315	251,10004	232,77994	255,10004	20,041233	19,912832
19-12-2019 0:00	10:57:00	528,75977	345	534,54315	251,10004	232,64973	255,10004	20,02134	19,912832
19-12-2019 0:00	10:58:00	528,75977	345	534,54315	251,10004	232,64973	255,10004	20,02134	19,894749
19-12-2019 0:00	10:59:00	528,75977	345	534,54315	251,10004	232,64973	255,10004	19,970703	19,894749
19-12-2019 0:00	11:00:00	528,75977	345	534,54315	251,10004	232,64973	255,10004	19,970703	19,833261
19-12-2019 0:00	11:01:00	528,75977	345	534,54315	251,10004	232,64973	255,10004	19,939959	19,833261
19-12-2019 0:00	11:02:00	528,75977	345	534,54315	251,10004	232,64973	255,10004	19,939959	19,833261
19-12-2019 0:00	11:03:00	528,75977	345	534,54315	251,10004	232,64973	254,90002	19,939959	19,833261
19-12-2019 0:00	11:04:00	528,75977	345	534,54315	251,10004	232,64973	254,90002	20,015915	19,833261
19-12-2019 0:00	11:05:00	528,75977	345	534,54315	251,10004	232,64973	254,90002	20,015915	19,885706
19-12-2019 0:00	11:06:00	528,75977	345	534,54315	251,10004	232,64973	254,90002	20,015915	19,934534
19-12-2019 0:00	11:07:00	528,75977	345	534,54315	251,10004	232,64973	254,90002	20,052082	19,934534
19-12-2019 0:00	11:08:00	528,9008	345	534,4021	251,10004	232,64973	254,90002	20,052082	19,934534
19-12-2019 0:00	11:09:00	528,9008	345,10004	534,4021	251,10004	232,64973	254,90002	20,052082	19,934534
19-12-2019 0:00	11:10:00	528,9008	345,10004	534,4021	251,10004	232,64973	254,90002	20,07921	19,958044
19-12-2019 0:00	11:11:00	528,9008	345,10004	534,4021	251,10004	232,64973	255,10004	20,07921	19,958044
19-12-2019 0:00	11:12:00	528,9008	345,10004	534,4021	251,10004	232,64973	255,10004	20,095486	19,970703
19-12-2019 0:00	11:13:00	528,9008	345,10004	534,4021	251,10004	232,64973	255,10004	20,095486	19,970703
19-12-2019 0:00	11:14:00	529,1124	345,10004	534,4021	251,10004	232,64973	255,10004	20,050274	19,958044
19-12-2019 0:00	11:15:00	529,1124	344,90002	534,4021	251,10004	232,64973	254,90002	20,050274	19,958044
19-12-2019 0:00	11:16:00	529,1124	344,90002	534,4021	251,10004	232,64973	254,90002	20,050274	19,958044
19-12-2019 0:00	11:17:00	529,1124	344,90002	534,73126	251,10004	232,64973	255,10004	20,050274	19,929108
19-12-2019 0:00	11:18:00	529,1124	344,90002	534,73126	251,10004	232,64973	255,10004	20,02134	19,929108
19-12-2019 0:00	11:19:00	529,1124	344,90002	534,73126	251,10004	232,64973	254,90002	20,02134	19,929108
19-12-2019 0:00	11:20:00	529,1124	344,90002	534,73126	251,10004	232,50867	254,90002	20,02134	19,896557



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	529,14	345,15	534,77	251,22	232,63	255,14	19,98	19,86
DESV EST	0,44	0,29	0,43	0,16	0,10	0,20	0,07	0,08
DESV EST %	0,0008	0,0008	0,0008	0,0007	0,0004	0,0008	0,0037	0,0039
MAX	529,84	345,80	535,62	251,60	232,91	255,50	20,10	19,97
MIN	528,50	344,80	534,31	251,10	232,51	254,90	19,85	19,74

Date	Time	TEMP HP MS U/S ST	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2
		10LBA11CT001  XQ01 °C	10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C
19-12-2019 0:00	11:21:00	529,324	344,90002	534,73126	251,10004	232,50867	254,90002	20,02134	19,833261
19-12-2019 0:00	11:22:00	529,324	344,90002	534,73126	251,10004	232,50867	254,90002	20,005064	19,833261
19-12-2019 0:00	11:23:00	529,324	345,10004	534,73126	251,10004	232,50867	254,90002	19,925491	19,833261
19-12-2019 0:00	11:24:00	529,324	345,10004	534,73126	251,10004	232,50867	254,90002	19,925491	19,789858
19-12-2019 0:00	11:25:00	529,324	345,10004	535,272	251,29999	232,50867	255,10004	19,925491	19,742838
19-12-2019 0:00	11:26:00	529,5591	345,2	535,272	251,29999	232,50867	255,10004	19,86762	19,742838
19-12-2019 0:00	11:27:00	529,5591	345,2	535,272	251,29999	232,50867	255,10004	19,86762	19,742838
19-12-2019 0:00	11:28:00	529,5591	345,2	535,272	251,29999	232,50867	255,10004	19,86762	19,742838
19-12-2019 0:00	11:29:00	529,5591	345,40002	535,272	251,29999	232,50867	255,20001	19,86762	19,742838
19-12-2019 0:00	11:30:00	529,5591	345,40002	535,272	251,29999	232,50867	255,20001	19,853153	19,742838
19-12-2019 0:00	11:31:00	529,5591	345,40002	535,272	251,29999	232,50867	255,20001	19,853153	19,742838
19-12-2019 0:00	11:32:00	529,5591	345,40002	535,272	251,29999	232,50867	255,40002	19,853153	19,742838
19-12-2019 0:00	11:33:00	529,7472	345,40002	535,272	251,29999	232,50867	255,40002	19,853153	19,795282
19-12-2019 0:00	11:34:00	529,7472	345,60004	535,272	251,29999	232,58463	255,40002	19,885706	19,795282
19-12-2019 0:00	11:35:00	529,7472	345,60004	535,272	251,5	232,58463	255,40002	19,885706	19,795282
19-12-2019 0:00	11:36:00	529,7472	345,60004	535,272	251,5	232,58463	255,40002	19,929108	19,795282
19-12-2019 0:00	11:37:00	529,7472	345,60004	535,272	251,5	232,58463	255,40002	19,929108	19,795282
19-12-2019 0:00	11:38:00	529,7472	345,60004	535,272	251,5	232,58463	255,5	19,929108	19,78805
19-12-2019 0:00	11:39:00	529,7472	345,60004	535,272	251,5	232,58463	255,5	19,968895	19,78805
19-12-2019 0:00	11:40:00	529,7472	345,60004	535,272	251,5	232,58463	255,5	19,912832	19,78805
19-12-2019 0:00	11:41:00	529,7472	345,60004	535,272	251,5	232,58463	255,5	19,912832	19,78805
19-12-2019 0:00	11:42:00	529,7472	345,60004	535,272	251,5	232,58463	255,5	19,912832	19,78805
19-12-2019 0:00	11:43:00	529,8412	345,8	535,62463	251,5	232,58463	255,5	19,86762	19,78805
19-12-2019 0:00	11:44:00	529,8412	345,8	535,62463	251,60004	232,58463	255,5	19,86762	19,78805
19-12-2019 0:00	11:45:00	529,8412	345,8	535,62463	251,60004	232,58463	255,5	19,86762	19,748264



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	31,23	30,53	77,82	152,24	35,29	19,53	0,16	16,11
DESV EST	0,10	0,09	0,55	0,30	0,11	0,23	0,01	0,27
DESV EST %	0,0033	0,0031	0,0070	0,0020	0,0031	0,0118	0,0557	0,0170
MAX	31,40	30,73	78,85	152,83	35,41	19,85	0,17	16,61
MIN	31,05	30,36	76,53	151,66	35,13	19,24	0,13	15,66

Date	Time	T CW D/S CONDR LNE1	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL
		10PAB31CT001  XQ01 °C	10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C
19-12-2019 0:00	10:45:00	31,34223	30,541088	78,450516	152,02907	35,384113	19,23611	0,1663773	15,659721
19-12-2019 0:00	10:46:00	31,367548	30,510344	77,50651	152,02907	35,384113	19,23611	0,1663773	15,659721
19-12-2019 0:00	10:47:00	31,367548	30,48141	77,50651	152,02907	35,373264	19,23611	0,1663773	15,659721
19-12-2019 0:00	10:48:00	31,349464	30,47779	77,50651	152,12672	35,373264	19,23611	0,1663773	15,659721
19-12-2019 0:00	10:49:00	31,334997	30,526619	77,50651	152,02907	35,373264	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:50:00	31,351273	30,555555	77,50651	152,09418	35,373264	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:51:00	31,334997	30,626085	77,50651	152,09418	35,373264	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:52:00	31,334997	30,591724	78,48307	152,09418	35,373264	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:53:00	31,31872	30,586298	78,48307	152,13759	35,373264	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:54:00	31,31872	30,586298	77,11588	152,19183	35,405815	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:55:00	31,30606	30,611616	77,11588	152,09418	35,405815	19,23611	0,1302083	15,775462
19-12-2019 0:00	10:56:00	31,27351	30,59534	78,125	152,09418	35,405815	19,23611	0,1302083	15,775462
19-12-2019 0:00	10:57:00	31,271702	30,526619	78,125	152,09418	35,405815	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:58:00	31,25904	30,562788	77,70182	152,09418	35,405815	19,23611	0,1663773	15,775462
19-12-2019 0:00	10:59:00	31,268084	30,564598	77,70182	152,01822	35,405815	19,23611	0,1663773	15,891203
19-12-2019 0:00	11:00:00	31,208405	30,526619	78,244354	152,10503	35,405815	19,421295	0,1663773	15,891203
19-12-2019 0:00	11:01:00	31,19213	30,50311	78,244354	152,10503	35,373264	19,421295	0,1663773	15,891203
19-12-2019 0:00	11:02:00	31,197554	30,485025	78,244354	152,03993	35,373264	19,421295	0,1663773	15,891203
19-12-2019 0:00	11:03:00	31,22649	30,517578	78,244354	152,03993	35,373264	19,421295	0,1302083	15,868055
19-12-2019 0:00	11:04:00	31,22649	30,530237	78,244354	152,13759	35,373264	19,421295	0,1533565	15,868055
19-12-2019 0:00	11:05:00	31,30606	30,609808	77,582466	152,12672	35,319008	19,421295	0,1663773	15,868055
19-12-2019 0:00	11:06:00	31,322338	30,622467	77,582466	152,12672	35,319008	19,421295	0,1663773	15,868055
19-12-2019 0:00	11:07:00	31,340422	30,638744	77,582466	152,12672	35,319008	19,421295	0,1663773	16,030092
19-12-2019 0:00	11:08:00	31,351273	30,635126	78,0816	152,12672	35,319008	19,421295	0,1663773	16,030092
19-12-2019 0:00	11:09:00	31,351273	30,61885	78,0816	152,21353	35,286457	19,421295	0,1663773	16,030092
19-12-2019 0:00	11:10:00	31,367548	30,671295	78,0816	152,31119	35,286457	19,421295	0,1663773	16,030092
19-12-2019 0:00	11:11:00	31,396484	30,730974	78,0816	152,52821	35,405815	19,421295	0,1663773	16,030092
19-12-2019 0:00	11:12:00	31,380207	30,734592	78,0816	152,52821	35,405815	19,421295	0,1663773	16,157408
19-12-2019 0:00	11:13:00	31,360315	30,700232	78,0816	152,62587	35,405815	19,421295	0,1663773	16,157408
19-12-2019 0:00	11:14:00	31,316912	30,667679	78,0816	152,52821	35,405815	19,421295	0,1663773	16,157408
19-12-2019 0:00	11:15:00	31,316912	30,644169	78,0816	152,52821	35,405815	19,421295	0,1663773	16,064814
19-12-2019 0:00	11:16:00	31,304253	30,622467	78,0816	152,43056	35,405815	19,594906	0,1302083	16,22685
19-12-2019 0:00	11:17:00	31,309679	30,626085	78,0816	152,43056	35,405815	19,594906	0,1663773	16,22685
19-12-2019 0:00	11:18:00	31,25904	30,562788	78,0816	152,32204	35,405815	19,594906	0,1663773	16,22685
19-12-2019 0:00	11:19:00	31,22649	30,562788	76,77951	152,10503	35,405815	19,594906	0,1663773	16,22685
19-12-2019 0:00	11:20:00	31,217447	30,568214	76,77951	151,94228	35,286457	19,594906	0,1663773	16,203703



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	31,23	30,53	77,82	152,24	35,29	19,53	0,16	16,11
DESV EST	0,10	0,09	0,55	0,30	0,11	0,23	0,01	0,27
DESV EST %	0,0033	0,0031	0,0070	0,0020	0,0031	0,0118	0,0557	0,0170
MAX	31,40	30,73	78,85	152,83	35,41	19,85	0,17	16,61
MIN	31,05	30,36	76,53	151,66	35,13	19,24	0,13	15,66

Date	Time	T CW D/S CONDR LNE1	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL
		10PAB31CT001  XQ01 °C	10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C
19-12-2019 0:00	11:21:00	31,177662	30,53747	76,77951	151,83376	35,286457	19,594906	0,1663773	16,203703
19-12-2019 0:00	11:22:00	31,174046	30,474174	76,77951	151,76866	35,286457	19,594906	0,1663773	16,203703
19-12-2019 0:00	11:23:00	31,16862	30,472366	76,77951	151,66016	35,286457	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:24:00	31,128834	30,41088	76,77951	151,66016	35,232204	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:25:00	31,09809	30,41088	78,26605	151,76866	35,232204	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:26:00	31,070963	30,36386	78,26605	151,86632	35,232204	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:27:00	31,054688	30,36386	78,26605	151,92056	35,232204	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:28:00	31,069155	30,37471	77,48481	152,02907	35,232204	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:29:00	31,096281	30,360243	77,48481	152,13759	35,13455	19,594906	0,1663773	16,284721
19-12-2019 0:00	11:30:00	31,089048	30,390985	77,48481	152,23524	35,13455	19,849537	0,1663773	16,284721
19-12-2019 0:00	11:31:00	31,070963	30,409071	77,48481	152,28949	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:32:00	31,09809	30,439814	77,48481	152,3763	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:33:00	31,117983	30,45609	78,03819	152,3763	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:34:00	31,161385	30,472366	76,529945	152,45226	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:35:00	31,159576	30,45609	78,85199	152,57161	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:36:00	31,161385	30,472366	77,25694	152,57161	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:37:00	31,165003	30,485025	78,732635	152,66927	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:38:00	31,16862	30,439814	78,732635	152,66927	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:39:00	31,10894	30,472366	77,98394	152,66927	35,13455	19,849537	0,1663773	16,388887
19-12-2019 0:00	11:40:00	31,14511	30,494068	77,98394	152,73438	35,13455	19,849537	0,1663773	16,516203
19-12-2019 0:00	11:41:00	31,134258	30,45609	77,98394	152,73438	35,13455	19,849537	0,1663773	16,516203
19-12-2019 0:00	11:42:00	31,128834	30,439814	77,98394	152,73438	35,13455	19,849537	0,1663773	16,516203
19-12-2019 0:00	11:43:00	31,128834	30,428963	78,2552	152,73438	35,13455	19,849537	0,1663773	16,516203
19-12-2019 0:00	11:44:00	31,128834	30,439814	78,2552	152,83203	35,210503	19,849537	0,1663773	16,516203
19-12-2019 0:00	11:45:00	31,070963	30,392796	78,2552	152,83203	35,210503	19,849537	0,1663773	16,608795



DATOS	61	61	61	61	61	61	61
PROMEDIO	149,61	148,78	142,01	5,22	22,19	-	111,70
DESV EST	0,21	0,26	0,97	0,02	1,78	0,00	0,58
DESV EST %	0,0014	0,0018	0,0068	0,0041	0,0803	#¡DIV/0!	0,0052
MAX	150,02	149,32	143,86	5,28	24,72	0,00	112,67
MIN	149,34	148,47	140,43	5,17	18,47	0,00	110,04

Date	Time	TEMP FW U/S ECON1	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2
		11LAB20CT001  XQ01 °C	11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV
19-12-2019 0:00	10:45:00	149,84808	149,3164	140,96136	5,217092	18,465984	0	112,14192	10,422381
19-12-2019 0:00	10:46:00	149,9132	149,3164	142,86024	5,217092	18,465984	0	111,731766	10,422381
19-12-2019 0:00	10:47:00	149,88063	149,3164	143,45703	5,217092	18,960636	0	111,94661	10,422381
19-12-2019 0:00	10:48:00	149,9132	149,3164	141,92708	5,217092	18,960636	0	112,291664	10,422381
19-12-2019 0:00	10:49:00	149,9132	149,3164	141,33029	5,217092	19,410597	0	110,94401	10,422381
19-12-2019 0:00	10:50:00	149,96744	149,3164	143,55469	5,217092	19,410597	0	112,08984	10,422381
19-12-2019 0:00	10:51:00	149,93489	149,11024	141,4171	5,217092	19,850924	0	112,0638	10,422381
19-12-2019 0:00	10:52:00	149,88063	149,11024	141,4171	5,217092	19,850924	0	111,94661	10,422381
19-12-2019 0:00	10:53:00	149,88063	149,11024	143,30511	5,217092	19,850924	0	111,47135	10,422381
19-12-2019 0:00	10:54:00	149,81554	149,11024	142,79514	5,217092	20,239761	0	112,44141	10,422381
19-12-2019 0:00	10:55:00	149,90234	149,11024	140,7552	5,217092	20,239761	0	112,41536	10,422381
19-12-2019 0:00	10:56:00	150,0217	149,11024	141,4171	5,217092	20,239761	0	111,60156	10,422381
19-12-2019 0:00	10:57:00	149,90234	149,11024	142,17665	5,217092	20,590178	0	111,84895	10,422381
19-12-2019 0:00	10:58:00	149,90234	148,92578	143,46788	5,217092	20,590178	0	112,61719	10,406865
19-12-2019 0:00	10:59:00	149,86978	148,92578	141,99219	5,217092	20,590178	0	111,80338	10,425673
19-12-2019 0:00	11:00:00	149,86978	148,92578	141,17838	5,217092	20,933073	0	110,03906	10,425673
19-12-2019 0:00	11:01:00	149,76128	148,92578	141,6775	5,217092	20,933073	0	111,76432	10,425673
19-12-2019 0:00	11:02:00	149,85893	148,92578	143,03384	5,217092	20,933073	0	111,76432	10,425673
19-12-2019 0:00	11:03:00	149,73958	148,92578	142,2309	5,217092	21,263105	0	111,13932	10,396521
19-12-2019 0:00	11:04:00	149,73958	148,92578	141,00478	5,217092	21,263105	0	112,32422	10,429435
19-12-2019 0:00	11:05:00	149,73958	148,92578	140,5165	5,217092	21,263105	0	111,82942	10,429435
19-12-2019 0:00	11:06:00	149,73958	148,76302	142,55641	5,2124023	21,263105	0	111,34114	10,411097
19-12-2019 0:00	11:07:00	149,73958	148,76302	141,28688	5,2124023	21,592703	0	112,337234	10,436957
19-12-2019 0:00	11:08:00	149,68532	148,76302	142,68663	5,2124023	21,592703	0	111,21094	10,436957
19-12-2019 0:00	11:09:00	149,68532	148,76302	142,53471	5,2124023	22,005424	0	111,39323	10,409216
19-12-2019 0:00	11:10:00	149,69618	148,76302	141,47134	5,2124023	22,005424	0	111,36067	10,432256
19-12-2019 0:00	11:11:00	149,59853	148,76302	141,27603	5,2124023	22,005424	0	111,76432	10,432256
19-12-2019 0:00	11:12:00	149,55511	148,76302	142,74088	5,2124023	22,405756	0	112,337234	10,410626
19-12-2019 0:00	11:13:00	149,4683	148,76302	143,25087	5,2124023	22,405756	0	112,27213	10,429435
19-12-2019 0:00	11:14:00	149,37065	148,76302	143,0447	5,2124023	22,790573	0	111,0677	10,429435
19-12-2019 0:00	11:15:00	149,37065	148,6111	140,97221	5,2124023	22,790573	0	111,23698	10,429435
19-12-2019 0:00	11:16:00	149,39235	148,6111	141,14583	5,2124023	22,790573	0	112,03125	10,410156
19-12-2019 0:00	11:17:00	149,39235	148,6111	141,24348	5,2124023	23,16059	0	112,291664	10,429435
19-12-2019 0:00	11:18:00	149,39235	148,6111	143,31596	5,2124023	23,16059	0	112,669266	10,429435
19-12-2019 0:00	11:19:00	149,42491	148,6111	142,55641	5,2124023	23,16059	0	111,21094	10,412977
19-12-2019 0:00	11:20:00	149,4683	148,6111	140,87456	5,2124023	23,511513	0	111,13932	10,412977



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	149,61	148,78	142,01	5,22	22,19	-	111,70	10,42
DESV EST	0,21	0,26	0,97	0,02	1,78	0,00	0,58	0,01
DESV EST %	0,0014	0,0018	0,0068	0,0041	0,0803	#iDIV/0!	0,0052	0,0009
MAX	150,02	149,32	143,86	5,28	24,72	0,00	112,67	10,44
MIN	149,34	148,47	140,43	5,17	18,47	0,00	110,04	10,40

Date	Time	TEMP FW U/S ECON1	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2
		11LAB20CT001  XQ01 °C	11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV
19-12-2019 0:00	11:21:00	149,4683	148,6111	142,2309	5,2124023	23,511513	0	111,868484	10,412977
19-12-2019 0:00	11:22:00	149,4683	148,6111	141,00478	5,2124023	23,511513	0	111,0677	10,432256
19-12-2019 0:00	11:23:00	149,49	148,6111	141,6775	5,2124023	23,839785	0	110,55989	10,429435
19-12-2019 0:00	11:24:00	149,43576	148,6111	142,41536	5,2124023	23,839785	0	111,23047	10,429435
19-12-2019 0:00	11:25:00	149,43576	148,6111	140,46223	5,2124023	23,839785	0	111,5625	10,4139185
19-12-2019 0:00	11:26:00	149,3381	148,47005	142,32855	5,2124023	23,839785	0	112,34375	10,4139185
19-12-2019 0:00	11:27:00	149,42491	148,47005	142,43706	5,2124023	24,181866	0	112,03125	10,433666
19-12-2019 0:00	11:28:00	149,39235	148,47005	140,89626	5,2124023	24,181866	0	112,07682	10,433666
19-12-2019 0:00	11:29:00	149,39235	148,47005	142,80598	5,2124023	24,181866	0	111,50391	10,409216
19-12-2019 0:00	11:30:00	149,39235	148,47005	140,52734	5,2124023	24,459293	0	112,08984	10,427554
19-12-2019 0:00	11:31:00	149,39235	148,47005	141,66666	5,2124023	24,459293	0	112,604164	10,427554
19-12-2019 0:00	11:32:00	149,39235	148,47005	143,12065	5,208482	24,459293	0	110,9375	10,427554
19-12-2019 0:00	11:33:00	149,50087	148,47005	141,57985	5,208482	24,459293	0	112,08984	10,413448
19-12-2019 0:00	11:34:00	149,44661	148,47005	140,6901	5,208482	24,723911	0	110,72266	10,413448
19-12-2019 0:00	11:35:00	149,44661	148,62196	142,03558	5,208482	24,723911	0	111,78385	10,436017
19-12-2019 0:00	11:36:00	149,42491	148,62196	143,35938	5,168132	23,719587	0	111,555984	10,436017
19-12-2019 0:00	11:37:00	149,42491	148,62196	142,4479	5,168132	22,901756	0	110,45573	10,408276
19-12-2019 0:00	11:38:00	149,43576	148,62196	140,7118	5,168132	22,901756	0	112,22656	10,430375
19-12-2019 0:00	11:39:00	149,43576	148,62196	141,5473	5,168132	22,440847	0	111,70573	10,430375
19-12-2019 0:00	11:40:00	149,43576	148,62196	143,67404	5,282287	22,440847	0	111,0677	10,411097
19-12-2019 0:00	11:41:00	149,44661	148,62196	142,16579	5,282287	22,440847	0	110,94401	10,411097
19-12-2019 0:00	11:42:00	149,44661	148,62196	140,42969	5,282287	23,25248	0	112,51953	10,430375
19-12-2019 0:00	11:43:00	149,44661	148,62196	141,85112	5,282287	23,935139	0	111,20442	10,430375
19-12-2019 0:00	11:44:00	149,44661	148,62196	143,8585	5,224633	23,935139	0	111,555984	10,405925
19-12-2019 0:00	11:45:00	149,44661	148,62196	143,37022	5,224633	24,573862	0	111,868484	10,4374275





DATOS	61	61	61	61	61	61	61
PROMEDIO	6,22	6,26	6,24	0,99	578,96	2,72	6,60
DESV EST	0,03	0,03	0,03	0,00	4,39	1,99	0,00
DESV EST %	0,0051	0,0046	0,0042	0,0015	0,0076	0,7346	0,0006
MAX	6,32	6,34	6,33	0,99	590,04	18,04	6,62
MIN	6,14	6,17	6,19	0,99	569,92	2,39	6,59

Date	Time	GEN CURRENT			ST GEN PWR FACTOR	MAX EXCITATION	ACT PWR ST	AUX TFR	V L1-L2	ST U	SWGR
		10MKA01CE002A XQ01 kA	10MKA01CE002B XQ01 kA	10MKA01CE002C XQ01 kA	10MKC01DE503 ZQ01 cos phi	10MKC01EU001 ZQ01 A	10BBT01CE003 XQ01 MW	10BBF00CE001 XQ01 KV			
19-12-2019	0:00	10:45:00	6,213361	6,242802	6,2332535	0,9900513	576,66016	2,417173		6,604192	
19-12-2019	0:00	10:46:00	6,212565	6,2455873	6,234845	0,9905396	572,5586	18,039524		6,604192	
19-12-2019	0:00	10:47:00	6,205404	6,255136	6,2137585	0,9905396	575,1953	2,4503906		6,604192	
19-12-2019	0:00	10:48:00	6,217737	6,255136	6,266674	0,9905396	581,83594	2,4652197		6,604192	
19-12-2019	0:00	10:49:00	6,238824	6,3044705	6,263491	0,9905396	576,26953	2,4266636		6,607049	
19-12-2019	0:00	10:50:00	6,190683	6,292535	6,254738	0,9905396	578,8086	2,4189525		6,5950484	
19-12-2019	0:00	10:51:00	6,2245007	6,294126	6,254738	0,9905396	579,6875	2,4545429		6,600477	
19-12-2019	0:00	10:52:00	6,2229095	6,2992983	6,266276	0,9879761	580,8594	2,4741175		6,607049	
19-12-2019	0:00	10:53:00	6,195855	6,260706	6,2507596	0,9905396	570,9961	2,4527633		6,5990486	
19-12-2019	0:00	10:54:00	6,246781	6,3187933	6,2507596	0,9905396	582,1289	2,4527633		6,5993342	
19-12-2019	0:00	10:55:00	6,195855	6,2646847	6,2507596	0,9905396	578,125	2,4824219		6,6021914	
19-12-2019	0:00	10:56:00	6,181134	6,2646847	6,201027	0,9905396	580,5664	2,469372		6,6047635	
19-12-2019	0:00	10:57:00	6,263093	6,238824	6,2710505	0,9905396	582,71484	2,469372		6,6079063	
19-12-2019	0:00	10:58:00	6,2591147	6,337095	6,277018	0,9905396	583,0078	2,4503906		6,6079063	
19-12-2019	0:00	10:59:00	6,249566	6,261502	6,223307	0,9905396	571,4844	2,4533565		6,6047635	
19-12-2019	0:00	11:00:00	6,137768	6,2531466	6,2304688	0,9905396	581,15234	2,4325955		6,615621	
19-12-2019	0:00	11:01:00	6,2376304	6,2611036	6,2710505	0,9905396	578,41797	2,47649		6,6110497	
19-12-2019	0:00	11:02:00	6,2865667	6,2471786	6,2587166	0,9905396	579,78516	2,500217		6,6047635	
19-12-2019	0:00	11:03:00	6,1878977	6,2483726	6,2587166	0,9905396	569,9219	2,445645		6,602763	
19-12-2019	0:00	11:04:00	6,2229095	6,2905455	6,2821903	0,9905396	579,1992	2,4408998		6,6076207	
19-12-2019	0:00	11:05:00	6,2650824	6,258319	6,3263526	0,9905396	580,8594	2,4468315		6,609335	
19-12-2019	0:00	11:06:00	6,2109737	6,258319	6,229275	0,9905396	577,7344	2,4705584		6,6024776	
19-12-2019	0:00	11:07:00	6,195457	6,2642865	6,2197266	0,9905396	572,5586	2,5269096		6,6064777	
19-12-2019	0:00	11:08:00	6,2416086	6,300094	6,2312646	0,9905396	578,22266	2,4960647		6,605049	
19-12-2019	0:00	11:09:00	6,179145	6,221318	6,2165437	0,9905396	575,8789	2,4124277		6,6107635	
19-12-2019	0:00	11:10:00	6,242802	6,2706523	6,263491	0,9919434	579,6875	2,4652197		6,600763	
19-12-2019	0:00	11:11:00	6,2105756	6,262297	6,244394	0,9919434	581,25	2,444459		6,600477	
19-12-2019	0:00	11:12:00	6,213361	6,2455873	6,2189307	0,9901123	572,7539	2,444459		6,5933337	
19-12-2019	0:00	11:13:00	6,2189307	6,2587166	6,2511573	0,9901123	576,9531	2,4675925		6,6076207	
19-12-2019	0:00	11:14:00	6,211769	6,1719832	6,1934676	0,9901123	571,09375	2,4859807		6,604192	
19-12-2019	0:00	11:15:00	6,25434	6,2237053	6,2595124	0,9926758	576,46484	2,4895399		6,604192	
19-12-2019	0:00	11:16:00	6,212963	6,234845	6,2316623	0,9926758	576,46484	2,402937		6,6036205	
19-12-2019	0:00	11:17:00	6,2376304	6,2766204	6,232856	0,9891357	581,0547	2,4201388		6,59962	
19-12-2019	0:00	11:18:00	6,2034144	6,238824	6,2650824	0,9891357	579,1992	2,445052		6,607049	
19-12-2019	0:00	11:19:00	6,189091	6,212565	6,232458	0,9912109	577,4414	2,5008101		6,603906	
19-12-2019	0:00	11:20:00	6,2169414	6,2364364	6,232458	0,9912109	580,5664	2,4800491		6,603906	



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,22	6,26	6,24	0,99	578,96	2,72	6,60
DESV EST	0,03	0,03	0,03	0,00	4,39	1,99	0,00
DESV EST %	0,0051	0,0046	0,0042	0,0015	0,0076	0,7346	0,0006
MAX	6,32	6,34	6,33	0,99	590,04	18,04	6,62
MIN	6,14	6,17	6,19	0,99	569,92	2,39	6,59

Date	Time	GEN CURRENT L1	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR
		10MKA01CE002A  XQ01 kA	10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV
19-12-2019 0:00	11:21:00	6,2113714	6,2364364	6,2205224	0,9912109	577,7344	2,448611	6,603906
19-12-2019 0:00	11:22:00	6,1894894	6,2364364	6,211769	0,9893188	579,2969	2,4219184	6,603906
19-12-2019 0:00	11:23:00	6,1799407	6,2364364	6,1974463	0,9893188	574,02344	2,430816	6,603906
19-12-2019 0:00	11:24:00	6,221716	6,2475767	6,1970487	0,9893188	575	2,4776764	6,603906
19-12-2019 0:00	11:25:00	6,211769	6,2396193	6,2392216	0,9893188	581,0547	2,4426794	6,6047635
19-12-2019 0:00	11:26:00	6,189091	6,261502	6,2030163	0,9932861	573,4375	2,5269096	6,6056204
19-12-2019 0:00	11:27:00	6,2726417	6,229673	6,218533	0,9932861	574,8047	2,472338	6,603906
19-12-2019 0:00	11:28:00	6,2432003	6,2392216	6,2284794	0,9910889	578,41797	2,4231048	6,603906
19-12-2019 0:00	11:29:00	6,2432003	6,2392216	6,227286	0,9910889	579,8828	2,462254	6,603906
19-12-2019 0:00	11:30:00	6,2145543	6,2376304	6,232458	0,9910889	573,53516	2,4646266	6,603906
19-12-2019 0:00	11:31:00	6,2865667	6,2451897	6,2416086	0,9910889	583,3008	2,4770832	6,5967627
19-12-2019 0:00	11:32:00	6,2511573	6,3068576	6,217737	0,9889526	590,03906	2,4545429	6,6021914
19-12-2019 0:00	11:33:00	6,240415	6,2591147	6,234845	0,9889526	576,9531	2,42785	6,601049
19-12-2019 0:00	11:34:00	6,232856	6,266276	6,249566	0,9889526	586,52344	2,3940394	6,5990486
19-12-2019 0:00	11:35:00	6,232856	6,266276	6,232458	0,9889526	585,9375	2,445645	6,598477
19-12-2019 0:00	11:36:00	6,269061	6,2555337	6,2734375	0,9863892	580,7617	2,497251	6,601049
19-12-2019 0:00	11:37:00	6,1656175	6,2304688	6,2312646	0,9898071	580,0781	2,4812355	6,604192
19-12-2019 0:00	11:38:00	6,204608	6,2312646	6,228877	0,9898071	579,8828	2,5103009	6,6064777
19-12-2019 0:00	11:39:00	6,258319	6,292535	6,257523	0,9898071	579,1992	2,4646266	6,6036205
19-12-2019 0:00	11:40:00	6,2018228	6,3008895	6,263491	0,9898071	584,27734	2,4231048	6,6036205
19-12-2019 0:00	11:41:00	6,2451897	6,262297	6,2869644	0,9869385	588,8672	2,4681857	6,6107635
19-12-2019 0:00	11:42:00	6,3164062	6,3164062	6,2961154	0,9869385	588,3789	2,4990306	6,598477
19-12-2019 0:00	11:43:00	6,244394	6,2587166	6,2332535	0,9869385	581,25	2,523944	6,602763
19-12-2019 0:00	11:44:00	6,2165437	6,266276	6,2682652	0,9869385	583,3008	2,47649	6,602763
19-12-2019 0:00	11:45:00	6,2455873	6,266276	6,215748	0,9869385	583,0078	2,4628472	6,6047635



DATOS	61	61
PROMEDIO	291,76	108,82
DESV EST	1,73	2,89
DESV EST %	0,0059	0,0265
MAX	294,65	110,31
MIN	287,92	93,34

Date	Time	UNIT LOAD SETPOINT	
		CURR L2 ST AUX FDR	ST
		10BBT01CE102    XQ01	11CJA00DE100    XQ96
		A	MW
19-12-2019 0:00	10:45:00	292,75174	109,292725
19-12-2019 0:00	10:46:00	288,19446	109,49092
19-12-2019 0:00	10:47:00	291,72092	109,19435
19-12-2019 0:00	10:48:00	291,1784	109,76957
19-12-2019 0:00	10:49:00	287,9232	108,994995
19-12-2019 0:00	10:50:00	292,15497	93,58807
19-12-2019 0:00	10:51:00	293,13153	109,32212
19-12-2019 0:00	10:52:00	293,4028	109,76605
19-12-2019 0:00	10:53:00	290,41885	109,83304
19-12-2019 0:00	10:54:00	290,25607	109,67734
19-12-2019 0:00	10:55:00	292,42624	110,312355
19-12-2019 0:00	10:56:00	294,4336	109,61285
19-12-2019 0:00	10:57:00	291,8837	110,00756
19-12-2019 0:00	10:58:00	292,15497	109,82231
19-12-2019 0:00	10:59:00	290,90714	109,28433
19-12-2019 0:00	11:00:00	289,60504	109,27849
19-12-2019 0:00	11:01:00	292,31772	109,274254
19-12-2019 0:00	11:02:00	290,63586	108,8582
19-12-2019 0:00	11:03:00	289,22528	108,888374
19-12-2019 0:00	11:04:00	288,1402	109,863884
19-12-2019 0:00	11:05:00	290,03906	110,093414
19-12-2019 0:00	11:06:00	291,8837	109,005554
19-12-2019 0:00	11:07:00	292,26346	110,07501
19-12-2019 0:00	11:08:00	293,9453	109,20079
19-12-2019 0:00	11:09:00	290,63586	109,956696
19-12-2019 0:00	11:10:00	289,60504	109,869125
19-12-2019 0:00	11:11:00	292,04645	109,96678
19-12-2019 0:00	11:12:00	289,71356	108,577614
19-12-2019 0:00	11:13:00	293,07727	109,62579
19-12-2019 0:00	11:14:00	293,83682	108,911354
19-12-2019 0:00	11:15:00	291,0699	109,64596
19-12-2019 0:00	11:16:00	289,8763	93,34068
19-12-2019 0:00	11:17:00	288,954	109,017426
19-12-2019 0:00	11:18:00	291,61243	108,90193
19-12-2019 0:00	11:19:00	293,56555	109,44288
19-12-2019 0:00	11:20:00	294,1081	108,84813



DATOS	61	61
PROMEDIO	291,76	108,82
DESV EST	1,73	2,89
DESV EST %	0,0059	0,0265
MAX	294,65	110,31
MIN	287,92	93,34

Date	Time	UNIT LOAD SETPOINT	
		ST	
		CURR L2 ST AUX FDR 10BBT01CE102   XQ01 A	11CJA00DE100   XQ96 MW
19-12-2019 0:00	11:21:00	293,34854	109,541214
19-12-2019 0:00	11:22:00	292,04645	109,22994
19-12-2019 0:00	11:23:00	290,63586	109,32281
19-12-2019 0:00	11:24:00	291,5039	108,17694
19-12-2019 0:00	11:25:00	292,15497	109,03509
19-12-2019 0:00	11:26:00	294,21658	109,85062
19-12-2019 0:00	11:27:00	289,49655	109,61632
19-12-2019 0:00	11:28:00	292,75174	108,795044
19-12-2019 0:00	11:29:00	294,3251	108,935165
19-12-2019 0:00	11:30:00	293,29428	108,44924
19-12-2019 0:00	11:31:00	292,75174	108,81726
19-12-2019 0:00	11:32:00	289,2795	108,64045
19-12-2019 0:00	11:33:00	291,44968	108,91087
19-12-2019 0:00	11:34:00	291,5039	108,91455
19-12-2019 0:00	11:35:00	290,9614	109,602684
19-12-2019 0:00	11:36:00	293,78256	109,290184
19-12-2019 0:00	11:37:00	293,78256	109,351746
19-12-2019 0:00	11:38:00	293,023	109,80876
19-12-2019 0:00	11:39:00	290,09332	108,57288
19-12-2019 0:00	11:40:00	292,26346	109,8887
19-12-2019 0:00	11:41:00	291,44968	109,629456
19-12-2019 0:00	11:42:00	293,34854	109,50021
19-12-2019 0:00	11:43:00	294,6506	109,0865
19-12-2019 0:00	11:44:00	294,21658	109,22273
19-12-2019 0:00	11:45:00	291,6667	109,07547





DATOS	61	61	61	61	61	61	61
PROMEDIO	29,48	51,4	22,7	1.007	952,0	15,4	481,5
DESV EST	0,0194	3	0,62	0,2376	0,162	0,03	1,8
DESV EST %		0,0551	0,0274	0,0002	0,0002	0,0022	0,0037
MAX	29,53	55,1	23,9	1.008	952,3	15,4	485,7
MIN	29,43	44,44	21,85	1006,75	951,69	15,27	475,74

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	12:51:00	29,458912	52,383533	22,62442	1007,3351	951,8229	15,380859	479,86108
19-12-2019 0:00	12:52:00	29,470486	52,654804	22,447914	1007,2916	951,8229	15,375434	480,0781
19-12-2019 0:00	12:53:00	29,453123	52,96224	22,236687	1007,3351	951,8229	15,395327	481,5538
19-12-2019 0:00	12:54:00	29,44155	53,89178	22,103588	1007,3351	951,8229	15,386285	481,5538
19-12-2019 0:00	12:55:00	29,493633	54,329426	22,01678	1007,44354	951,8229	15,3682	481,5538
19-12-2019 0:00	12:56:00	29,429976	54,329426	21,941551	1007,44354	951,8229	15,370008	481,5538
19-12-2019 0:00	12:57:00	29,476273	54,69835	21,848957	1007,4219	951,89526	15,37905	482,24826
19-12-2019 0:00	12:58:00	29,45023	55,09259	21,927082	1007,50867	951,89526	15,366391	482,24826
19-12-2019 0:00	12:59:00	29,47338	53,89178	22,065971	1007,5304	951,89526	15,3464985	481,7708
19-12-2019 0:00	13:00:00	29,476273	53,211803	22,12384	1007,5304	951,89526	15,348307	478,86282
19-12-2019 0:00	13:01:00	29,464699	53,6603	22,109375	1007,50867	951,89526	15,362775	481,68402
19-12-2019 0:00	13:02:00	29,467592	53,33116	22,20486	1007,55206	951,9965	15,351924	481,68402
19-12-2019 0:00	13:03:00	29,48206	53,56626	22,248264	1007,50867	951,9965	15,362775	482,29166
19-12-2019 0:00	13:04:00	29,444443	53,070747	22,36111	1007,48694	951,9965	15,373626	479,8177
19-12-2019 0:00	13:05:00	29,525461	52,52821	22,476849	1007,44354	951,9965	15,362775	483,63715
19-12-2019 0:00	13:06:00	29,476273	52,293114	22,508678	1007,44354	951,9965	15,37905	483,0729
19-12-2019 0:00	13:07:00	29,496527	52,05078	22,471062	1007,48694	951,9965	15,366391	483,50693
19-12-2019 0:00	13:08:00	29,502314	52,372684	22,471062	1007,44354	951,89526	15,332031	482,24826
19-12-2019 0:00	13:09:00	29,479166	52,068867	22,471062	1007,4219	951,89526	15,380859	482,24826
19-12-2019 0:00	13:10:00	29,502314	52,560764	22,32639	1007,4219	951,89526	15,366391	484,02777
19-12-2019 0:00	13:11:00	29,47338	52,955006	22,225113	1007,4219	951,89526	15,386285	483,1597
19-12-2019 0:00	13:12:00	29,487846	53,233505	22,178818	1007,40015	951,89526	15,359158	479,29684
19-12-2019 0:00	13:13:00	29,487846	53,233505	22,178818	1007,40015	951,6927	15,359158	478,4288
19-12-2019 0:00	13:14:00	29,467592	53,53371	22,210648	1007,3351	951,6927	15,3464985	481,5538
19-12-2019 0:00	13:15:00	29,48206	52,980324	22,404514	1007,3784	951,6927	15,359158	481,5538



DATOS	61	61	61	61	61	61	61
PROMEDIO	23,3	11,6	59.246	13,8	583	574	576
DESV EST	0,41	0,0556	302	0,25	1,58	1,60	1,60
DESV EST %	0,0176	0,0048	0,0051	0,0179	0,0027	0,0028	0,0028
MAX	24,3	11,75	59.989	14,3	586	577	579
MIN	22,36	11,52	58684,44	13,30	580,20	571,90	573,40

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	12:15:00	23,171658	11,53953	58835,863	13,300003	584,60004	576,2	577,60004
19-12-2019 0:00	12:16:00	23,175274	11,584208	58921,754	13,400009	584,4	576	577,4
19-12-2019 0:00	12:17:00	22,90039	11,598702	59024,74	13,400009	584,5	576,2	577,8
19-12-2019 0:00	12:18:00	22,817202	11,601455	58897,06	13,400009	585,4	577	578,4
19-12-2019 0:00	12:19:00	22,357855	11,597494	59011,99	13,400009	585,4	577	578,4
19-12-2019 0:00	12:20:00	23,20421	11,585637	58985,08	13,400009	585,60004	577,4	578,8
19-12-2019 0:00	12:21:00	22,952835	11,59207	59078,633	13,5	585,60004	577,2	578,60004
19-12-2019 0:00	12:22:00	22,925709	11,582558	58859,84	13,5	585,2	577	578,4
19-12-2019 0:00	12:23:00	23,339844	11,621425	58948,26	13,5	585	576,60004	578
19-12-2019 0:00	12:24:00	22,681568	11,602844	58999,914	13,5	585,4	577	578,2
19-12-2019 0:00	12:25:00	23,178892	11,628528	59284,668	13,5	585,4	577,2	578,60004
19-12-2019 0:00	12:26:00	23,348886	11,546758	58693,996	13,600006	585,4	577,2	578,8
19-12-2019 0:00	12:27:00	22,790075	11,68199	59294,652	13,600006	584,8	576,60004	577,8
19-12-2019 0:00	12:28:00	23,708767	11,671882	59311,867	13,600006	583,60004	575,4	576,8
19-12-2019 0:00	12:29:00	22,851562	11,582365	58935,008	13,600006	583,5	575,3	576,8
19-12-2019 0:00	12:30:00	23,260271	11,569294	59074,168	13,600006	582,7	574,5	576
19-12-2019 0:00	12:31:00	24,260344	11,57394	58892,133	13,699997	581,9	573,9	575,2
19-12-2019 0:00	12:32:00	23,940248	11,681517	59389,434	13,699997	582,3	573,9	575,2
19-12-2019 0:00	12:33:00	23,811848	11,624538	59227,863	13,699997	582,10004	573,7	575,2
19-12-2019 0:00	12:34:00	23,446543	11,626761	59068,297	13,699997	581,10004	572,7	574
19-12-2019 0:00	12:35:00	23,365162	11,591088	59061,83	13,699997	580,9	572,60004	574
19-12-2019 0:00	12:36:00	23,757595	11,64358	59194,348	13,699997	581,10004	572,8	574
19-12-2019 0:00	12:37:00	23,256655	11,630163	59223,89	13,699997	581,5	573,2	574,60004
19-12-2019 0:00	12:38:00	23,829933	11,661305	59411,535	13,699997	581,9	573,60004	574,8
19-12-2019 0:00	12:39:00	23,33261	11,6348295	59295,79	13,699997	583,3	574,7	576,2
19-12-2019 0:00	12:40:00	24,106627	11,625995	59157,008	13,699997	582,7	574,3	575,8
19-12-2019 0:00	12:41:00	23,47005	11,5621805	58684,44	13,699997	581,9	573,5	575
19-12-2019 0:00	12:42:00	22,6888	11,518238	58796,594	13,699997	581,5	573,10004	574,4
19-12-2019 0:00	12:43:00	22,932941	11,668569	59145,5	13,699997	580,7	572,5	574
19-12-2019 0:00	12:44:00	23,267506	11,647195	59509,734	13,699997	580,5	572,10004	573,4
19-12-2019 0:00	12:45:00	23,229528	11,672481	59449,125	13,699997	580,3	571,9	573,4
19-12-2019 0:00	12:46:00	23,13368	11,668191	59422,39	13,699997	580,4	571,9	573,4
19-12-2019 0:00	12:47:00	23,520689	11,686212	59370,51	13,699997	580,2	572,10004	573,4
19-12-2019 0:00	12:48:00	23,76302	11,651764	59288,133	13,699997	580,4	571,9	573,4
19-12-2019 0:00	12:49:00	23,280165	11,733323	59518,816	13,699997	580,8	572,5	573,8
19-12-2019 0:00	12:50:00	23,423033	11,750369	59893,75	13,699997	581,2	572,7	574



DATOS	61	61	61	61	61	61	61
PROMEDIO	23,3	11,6	59.246	13,8	583	574	576
DESV EST	0,41	0,0556	302	0,25	1,58	1,60	1,60
DESV EST %	0,0176	0,0048	0,0051	0,0179	0,0027	0,0028	0,0028
MAX	24,3	11,75	59.989	14,3	586	577	579
MIN	22,36	11,52	58684,44	13,30	580,20	571,90	573,40

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	12:51:00	22,65625	11,680461	59293,777	13,699997	581,4	572,9	574,2
19-12-2019 0:00	12:52:00	23,775679	11,695576	59554,46	13,699997	581,60004	573,5	574,8
19-12-2019 0:00	12:53:00	23,22591	11,666821	59545,71	13,800003	581,4	573,10004	574,4
19-12-2019 0:00	12:54:00	23,475477	11,69454	59663,324	13,800003	581,8	573,3	574,8
19-12-2019 0:00	12:55:00	22,90039	11,736305	59607,383	13,800003	582,2	573,9	575,4
19-12-2019 0:00	12:56:00	22,907623	11,743634	59988,94	13,800003	582	573,7	575,2
19-12-2019 0:00	12:57:00	22,460938	11,673417	59186,85	13,800003	582,4	574,10004	575,4
19-12-2019 0:00	12:58:00	23,696108	11,733268	59702,85	13,800003	581,8	573,3	574,8
19-12-2019 0:00	12:59:00	23,15719	11,747162	59744,17	13,900009	582,60004	574,3	575,8
19-12-2019 0:00	13:00:00	23,276548	11,681969	59425,133	13,900009	582,4	574,2	575,60004
19-12-2019 0:00	13:01:00	22,934752	11,704826	59728,84	13,900009	582,60004	574,10004	575,60004
19-12-2019 0:00	13:02:00	24,108435	11,610307	59021,34	13,900009	582,2	573,9	575,4
19-12-2019 0:00	13:03:00	23,397715	11,746009	59954,535	13,900009	582,8	574,3	575,8
19-12-2019 0:00	13:04:00	22,833477	11,639441	59137,71	14	583,60004	575,10004	576,4
19-12-2019 0:00	13:05:00	23,283781	11,638735	59316,72	14	583,8	575,5	576,8
19-12-2019 0:00	13:06:00	22,770182	11,588129	59017,875	14	582	573,5	575
19-12-2019 0:00	13:07:00	23,365162	11,604515	58987,027	14,199997	581,60004	573,10004	574,60004
19-12-2019 0:00	13:08:00	23,636429	11,60769	59220,203	14,199997	582,60004	574,10004	575,60004
19-12-2019 0:00	13:09:00	23,048683	11,653316	59296,027	14,199997	582	573,5	575
19-12-2019 0:00	13:10:00	23,108362	11,660323	59259,734	14,199997	581,2	572,7	574,2
19-12-2019 0:00	13:11:00	23,52973	11,62351	59367,05	14,199997	581,4	573,10004	574,60004
19-12-2019 0:00	13:12:00	22,934752	11,564356	58823,113	14,199997	581,5	573,10004	574,4
19-12-2019 0:00	13:13:00	22,934752	11,648196	59236,203	14,199997	582,5	574,10004	575,3
19-12-2019 0:00	13:14:00	23,721426	11,6512785	59425,984	14,300003	583,10004	574,5	575,9
19-12-2019 0:00	13:15:00	22,99443	11,677357	59362,754	14,300003	583,5	575,10004	576,3





DATOS	61	61	61	61	61	61	61
PROMEDIO	576	577	578	50,0	208	15,66	7,73
DESV EST	1,60	1,54	1,58	0,04	0,8	0,0123	0,0382
DESV EST %	0,0028	0,0027	0,0027	0,0007	0,0037	0,0008	0,0049
MAX	579	580	581	50,1	210	15,68	7,78
MIN	573,70	574,20	575,40	49,91	205,72	15,64	7,61

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	12:15:00	578,10004	578,60004	580	49,998844	207,34373	15,675275	7,6790724
19-12-2019 0:00	12:16:00	578,10004	578,60004	579,4	49,983116	207,27864	15,654658	7,6571903
19-12-2019 0:00	12:17:00	578	578,60004	579,4	49,983776	207,14842	15,654658	7,660771
19-12-2019 0:00	12:18:00	578	578,60004	580,2	49,98071	206,41058	15,654658	7,6249638
19-12-2019 0:00	12:19:00	578,9	578,60004	580,2	49,995384	205,71614	15,654658	7,679868
19-12-2019 0:00	12:20:00	578,9	579,2	580,5	49,977566	208,36371	15,654658	7,679868
19-12-2019 0:00	12:21:00	578,9	579,2	580,5	49,977062	206,36717	15,668403	7,71488
19-12-2019 0:00	12:22:00	578,9	579,7	580,9	49,955524	207,38715	15,668403	7,661169
19-12-2019 0:00	12:23:00	578,3	578,9	580,10004	50,052475	206,5842	15,668403	7,716471
19-12-2019 0:00	12:24:00	578,3	578,9	580,10004	49,989	207,60416	15,668403	7,7673974
19-12-2019 0:00	12:25:00	578,9	579,60004	580,7	50,008335	206,80121	15,668403	7,7411385
19-12-2019 0:00	12:26:00	578,9	579,60004	580,7	49,916843	207,27864	15,668403	7,7411385
19-12-2019 0:00	12:27:00	578,9	579	580,7	49,992058	207,17014	15,668403	7,7156754
19-12-2019 0:00	12:28:00	577,9	577,9	578,8	50,018852	207,69096	15,668403	7,731192
19-12-2019 0:00	12:29:00	577	577,9	578,8	49,939236	207,79947	15,668403	7,7630205
19-12-2019 0:00	12:30:00	577	577,10004	578,8	50,00398	206,90971	15,668403	7,7268157
19-12-2019 0:00	12:31:00	576,10004	576,2	577,9	49,983467	206,86632	15,668403	7,6595774
19-12-2019 0:00	12:32:00	575,2	576,2	577	50,004967	208,08159	15,668403	7,7693863
19-12-2019 0:00	12:33:00	575,2	576,2	577	50,024166	208,1467	15,668403	7,7184606
19-12-2019 0:00	12:34:00	575,2	575,2	577	50,043076	206,49739	15,668403	7,7184606
19-12-2019 0:00	12:35:00	574,3	575,2	576,2	49,98243	207,71266	15,668403	7,7582464
19-12-2019 0:00	12:36:00	574,3	575,2	576,2	49,991665	207,03992	15,668403	7,730794
19-12-2019 0:00	12:37:00	574,9	575,2	576,2	49,968174	206,32378	15,668403	7,730794
19-12-2019 0:00	12:38:00	574,9	575,2	576,7	49,938583	208,58072	15,668403	7,737558
19-12-2019 0:00	12:39:00	576	576,2	577,60004	49,964638	207,77777	15,647786	7,6989655
19-12-2019 0:00	12:40:00	576	577,10004	578,10004	50,03437	207,77777	15,647786	7,7582464
19-12-2019 0:00	12:41:00	576	576,2	577,3	50,077892	207,34373	15,647786	7,717267
19-12-2019 0:00	12:42:00	574,8	575,4	576,4	49,949696	205,99826	15,683521	7,6062646
19-12-2019 0:00	12:43:00	574,8	575,4	576,4	50,074757	207,45226	15,683521	7,72045
19-12-2019 0:00	12:44:00	574	574,7	575,7	50,017544	208,94965	15,683521	7,7590423
19-12-2019 0:00	12:45:00	574	574,7	575,7	49,936752	207,62585	15,648474	7,7705803
19-12-2019 0:00	12:46:00	574	574,2	575,7	49,998787	207,86458	15,648474	7,736762
19-12-2019 0:00	12:47:00	573,7	574,2	575,4	49,96647	207,79947	15,648474	7,7272134
19-12-2019 0:00	12:48:00	573,7	574,2	575,4	49,906025	207,40884	15,673901	7,764612
19-12-2019 0:00	12:49:00	573,7	574,8	575,4	50,067867	207,32204	15,673901	7,7323856
19-12-2019 0:00	12:50:00	574,2	574,8	576	50,020683	209,99132	15,673901	7,762623



DATOS	61	61	61	61	61	61	61
PROMEDIO	576	577	578	50,0	208	15,66	7,73
DESV EST	1,60	1,54	1,58	0,04	0,8	0,0123	0,0382
DESV EST %	0,0028	0,0027	0,0027	0,0007	0,0037	0,0008	0,0049
MAX	579	580	581	50,1	210	15,68	7,78
MIN	573,70	574,20	575,40	49,91	205,72	15,64	7,61

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	12:51:00	574,2	574,8	576	49,959366	208,60242	15,673901	7,762623
19-12-2019 0:00	12:52:00	575	575,4	576,8	49,96914	207,66927	15,673901	7,762623
19-12-2019 0:00	12:53:00	575	575,4	576,8	50,042496	208,49391	15,673901	7,762623
19-12-2019 0:00	12:54:00	575	575,4	576,8	50,0094	208,4071	15,645038	7,762623
19-12-2019 0:00	12:55:00	575	576,2	576,8	49,979813	208,10329	15,645038	7,7152777
19-12-2019 0:00	12:56:00	575,4	576,2	577,2	49,959805	208,47221	15,682147	7,7634187
19-12-2019 0:00	12:57:00	575,4	576,2	577,2	50,004066	207,51735	15,682147	7,7634187
19-12-2019 0:00	12:58:00	575,4	576,2	577,2	50,013836	208,10329	15,682147	7,722837
19-12-2019 0:00	12:59:00	575,4	576,2	577,2	49,967785	207,77777	15,645725	7,7232347
19-12-2019 0:00	13:00:00	576	576,2	577,60004	49,92694	207,60416	15,645725	7,7363644
19-12-2019 0:00	13:01:00	576	576,2	577,60004	49,984024	208,01648	15,645725	7,772569
19-12-2019 0:00	13:02:00	576	576,7	577,60004	49,996174	207,27864	15,649848	7,708912
19-12-2019 0:00	13:03:00	575,4	576,7	577,60004	50,000328	207,79947	15,649848	7,7614293
19-12-2019 0:00	13:04:00	576,2	576,7	577,60004	50,01902	208,94965	15,649848	7,7614293
19-12-2019 0:00	13:05:00	577,4	577,9	578,8	49,99484	207,90797	15,675962	7,782516
19-12-2019 0:00	13:06:00	576,3	576,8	577,60004	49,969604	208,10329	15,675962	7,7303963
19-12-2019 0:00	13:07:00	575,10004	575,8	576,7	50,01285	207,56076	15,675962	7,7303963
19-12-2019 0:00	13:08:00	575,10004	575,8	576,7	49,97689	206,04166	15,675962	7,6516204
19-12-2019 0:00	13:09:00	575,10004	576	577,7	50,04163	207,64757	15,675962	7,6985674
19-12-2019 0:00	13:10:00	575,10004	576	576,9	49,954044	207,79947	15,64435	7,7276115
19-12-2019 0:00	13:11:00	575,10004	575,4	576,9	49,991493	208,2552	15,64435	7,7168694
19-12-2019 0:00	13:12:00	575,10004	575,4	576,7	50,01608	207,69096	15,668403	7,719654
19-12-2019 0:00	13:13:00	575,10004	575,4	576,7	50,00552	207,77777	15,668403	7,7303963
19-12-2019 0:00	13:14:00	576,3	576,4	577,8	50,066135	207,47395	15,668403	7,7303963
19-12-2019 0:00	13:15:00	576,3	577,3	578,60004	50,018818	207,36545	15,668403	7,6989655



DATOS	61	61	61	61	61	61	61
PROMEDIO	7,72	7,75	0,9795	712	3,69	6,683	398
DESV EST	0,0413	0,0326	0,0013	4,8	0,0130	0,002	1,3
DESV EST %	0,0053	0,0042	0,0014	0,0067	0,0035	0,0004	0,0033
MAX	7,80	7,84	0,9823	722	3,72	6,695	401
MIN	7,60	7,67	0,98	700,00	3,66	6,68	395,35

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	12:15:00	7,6627603	7,7053313	0,9822998	705,1758	3,66046	6,682483	396,1046
19-12-2019 0:00	12:16:00	7,6627603	7,7053313	0,9822998	702,6367	3,6794415	6,682483	396,1046
19-12-2019 0:00	12:17:00	7,6627603	7,7053313	0,9822998	702,6367	3,6794415	6,683912	396,1046
19-12-2019 0:00	12:18:00	7,6627603	7,7053313	0,9822998	705,66406	3,6794415	6,683912	396,1046
19-12-2019 0:00	12:19:00	7,6627603	7,6655455	0,9822998	705,66406	3,6794415	6,683912	396,1046
19-12-2019 0:00	12:20:00	7,6739006	7,7403426	0,9822998	720,89844	3,6794415	6,6853404	398,49176
19-12-2019 0:00	12:21:00	7,6739006	7,7395473	0,9793091	713,3789	3,6794415	6,683626	395,94186
19-12-2019 0:00	12:22:00	7,7077184	7,7395473	0,9793091	709,08203	3,6794415	6,683626	395,94186
19-12-2019 0:00	12:23:00	7,644061	7,728805	0,9793091	701,66016	3,6794415	6,683626	396,75565
19-12-2019 0:00	12:24:00	7,75944	7,728805	0,9807739	704,1992	3,7150316	6,683626	396,75565
19-12-2019 0:00	12:25:00	7,6428676	7,728805	0,9807739	712,0117	3,6824074	6,683626	396,75565
19-12-2019 0:00	12:26:00	7,7093096	7,744719	0,9807739	712,0117	3,6824074	6,6864834	398,76303
19-12-2019 0:00	12:27:00	7,7093096	7,744719	0,9794922	708,3008	3,6824074	6,681912	395,34506
19-12-2019 0:00	12:28:00	7,725224	7,744719	0,9794922	708,3008	3,6824074	6,6841974	398,76303
19-12-2019 0:00	12:29:00	7,7013526	7,744719	0,9820557	708,3008	3,6824074	6,6781974	398,76303
19-12-2019 0:00	12:30:00	7,750687	7,744719	0,9796753	714,35547	3,7079136	6,6833405	398,76303
19-12-2019 0:00	12:31:00	7,6480393	7,744719	0,9796753	708,3008	3,7079136	6,6833405	398,76303
19-12-2019 0:00	12:32:00	7,7502894	7,744719	0,9796753	712,6953	3,695457	6,6833405	397,13544
19-12-2019 0:00	12:33:00	7,7208476	7,765408	0,9796753	712,6953	3,695457	6,6833405	397,13544
19-12-2019 0:00	12:34:00	7,719654	7,694987	0,9796753	709,66797	3,695457	6,6799116	397,13544
19-12-2019 0:00	12:35:00	7,719654	7,7582464	0,9796753	710,2539	3,695457	6,682769	398,329
19-12-2019 0:00	12:36:00	7,719654	7,708912	0,9796753	716,5039	3,6758823	6,682769	398,329
19-12-2019 0:00	12:37:00	7,638093	7,705729	0,9796753	705,7617	3,6758823	6,6821976	398,329
19-12-2019 0:00	12:38:00	7,6985674	7,768591	0,9796753	720,21484	3,6960502	6,687055	396,43015
19-12-2019 0:00	12:39:00	7,6587815	7,768591	0,9796753	714,4531	3,6960502	6,6753397	398,76303
19-12-2019 0:00	12:40:00	7,7323856	7,768591	0,9796753	714,4531	3,6960502	6,6790543	398,76303
19-12-2019 0:00	12:41:00	7,7582464	7,768591	0,9796753	710,7422	3,6960502	6,6876264	398,76303
19-12-2019 0:00	12:42:00	7,596318	7,7606335	0,9796753	712,9883	3,7132523	6,69477	398,76303
19-12-2019 0:00	12:43:00	7,7168694	7,7606335	0,9796753	700	3,688339	6,6841974	398,76303
19-12-2019 0:00	12:44:00	7,7168694	7,7606335	0,9796753	708,2031	3,688339	6,680483	398,76303
19-12-2019 0:00	12:45:00	7,7522783	7,7606335	0,9796753	708,4961	3,7073205	6,6821976	398,76303
19-12-2019 0:00	12:46:00	7,711697	7,71488	0,9796753	718,5547	3,7073205	6,683626	398,76303
19-12-2019 0:00	12:47:00	7,7486978	7,784505	0,9796753	715,8203	3,7073205	6,681912	398,76303
19-12-2019 0:00	12:48:00	7,7486978	7,784505	0,9772339	715,8203	3,7073205	6,681912	400,82468
19-12-2019 0:00	12:49:00	7,768193	7,7753544	0,9793091	708,0078	3,7073205	6,682483	400,82468
19-12-2019 0:00	12:50:00	7,7968388	7,816334	0,9793091	717,8711	3,7073205	6,682483	400,82468



DATOS	61	61	61	61	61	61	61
PROMEDIO	7,72	7,75	0,9795	712	3,69	6,683	398
DESV EST	0,0413	0,0326	0,0013	4,8	0,0130	0,002	1,3
DESV EST %	0,0053	0,0042	0,0014	0,0067	0,0035	0,0004	0,0033
MAX	7,80	7,84	0,9823	722	3,72	6,695	401
MIN	7,60	7,67	0,98	700,00	3,66	6,68	395,35

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	12:51:00	7,751483	7,784107	0,9793091	716,9922	3,7144384	6,682483	399,6311
19-12-2019 0:00	12:52:00	7,751483	7,784107	0,9793091	717,5781	3,7144384	6,682483	399,6311
19-12-2019 0:00	12:53:00	7,751483	7,784107	0,9793091	714,4531	3,7144384	6,682483	399,6311
19-12-2019 0:00	12:54:00	7,7749567	7,782516	0,9793091	714,4531	3,6824074	6,6833405	399,6311
19-12-2019 0:00	12:55:00	7,663556	7,782516	0,9793091	714,4531	3,712066	6,6833405	397,7322
19-12-2019 0:00	12:56:00	7,7662034	7,782516	0,9793091	710,15625	3,712066	6,6833405	397,7322
19-12-2019 0:00	12:57:00	7,725224	7,782516	0,9793091	711,03516	3,698423	6,6833405	397,7322
19-12-2019 0:00	12:58:00	7,7176647	7,744719	0,9793091	711,03516	3,698423	6,6833405	399,35983
19-12-2019 0:00	12:59:00	7,765408	7,764612	0,9793091	711,03516	3,698423	6,6833405	399,35983
19-12-2019 0:00	13:00:00	7,7721715	7,740741	0,9793091	721,77734	3,698423	6,6833405	395,77908
19-12-2019 0:00	13:01:00	7,756257	7,768591	0,9793091	715,33203	3,698423	6,6833405	397,46094
19-12-2019 0:00	13:02:00	7,7013526	7,77615	0,9793091	715,33203	3,698423	6,6833405	397,46094
19-12-2019 0:00	13:03:00	7,7411385	7,77615	0,9793091	713,96484	3,6877458	6,683626	397,46094
19-12-2019 0:00	13:04:00	7,7411385	7,816334	0,9776611	716,3086	3,6877458	6,683626	397,46094
19-12-2019 0:00	13:05:00	7,7582464	7,778935	0,9776611	716,3086	3,6877458	6,683626	397,46094
19-12-2019 0:00	13:06:00	7,722837	7,778935	0,9776611	716,3086	3,6877458	6,681912	398,49176
19-12-2019 0:00	13:07:00	7,722837	7,758644	0,9776611	709,7656	3,6877458	6,685055	398,49176
19-12-2019 0:00	13:08:00	7,722837	7,6874275	0,9776611	713,6719	3,6877458	6,681912	398,49176
19-12-2019 0:00	13:09:00	7,722837	7,7642145	0,980957	711,1328	3,7102864	6,684769	398,49176
19-12-2019 0:00	13:10:00	7,722837	7,7642145	0,9776001	717,5781	3,6717303	6,681912	397,02692
19-12-2019 0:00	13:11:00	7,722837	7,835829	0,9776001	712,40234	3,6717303	6,681912	397,02692
19-12-2019 0:00	13:12:00	7,722837	7,788086	0,9776001	708,10547	3,691305	6,6810546	397,02692
19-12-2019 0:00	13:13:00	7,765408	7,788086	0,9776001	713,8672	3,691305	6,682483	397,02692
19-12-2019 0:00	13:14:00	7,7216434	7,756655	0,9776001	712,8906	3,691305	6,682483	397,02692
19-12-2019 0:00	13:15:00	7,7216434	7,743128	0,9776001	711,52344	3,691305	6,6853404	397,02692



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	203,9	86,71	20,9	0,806	45,2	64,3	180,6	13,44
DESV EST	0,8	1,07	0,05	0,006	0,15	0,38	0,29	0,03
DESV EST %	0,0040	0,0123	0,0023	0,0076	0,0033	0,0058	0,0016	0,0021
MAX	205,5	89,73	21,0	0,820	45,4	64,9	181,3	13,52
MIN	202,09	84,67	20,84	0,79	44,83	63,36	180,06	13,39

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	12:15:00	202,93358	86,00816	21,009115	0,8125264	45,002296	63,95742	181,04167	13,482466
19-12-2019 0:00	12:16:00	202,69485	86,92529	20,942926	0,7938945	45,27379	64,31508	181,04167	13,482466
19-12-2019 0:00	12:17:00	203,37389	86,68543	20,926651	0,8100636	45,322384	64,31953	180,52084	13,457677
19-12-2019 0:00	12:18:00	202,62714	86,166756	20,94835	0,8118047	45,086403	64,49102	180,52084	13,431016
19-12-2019 0:00	12:19:00	202,88068	85,653564	20,941841	0,8096161	45,033188	64,43831	180,42535	13,405939
19-12-2019 0:00	12:20:00	203,70474	86,62981	20,958117	0,8096161	44,873558	64,387764	180,42535	13,444995
19-12-2019 0:00	12:21:00	202,16156	86,57627	20,900608	0,8096161	45,366394	64,34307	180,17361	13,41741
19-12-2019 0:00	12:22:00	203,96576	86,067764	20,92014	0,8096161	45,01271	64,52278	180,69446	13,452489
19-12-2019 0:00	12:23:00	203,16695	86,271675	21,031902	0,8113592	45,096573	64,64104	180,40799	13,426614
19-12-2019 0:00	12:24:00	203,7217	86,390656	20,971138	0,7985267	45,335934	64,47967	180,73785	13,467009
19-12-2019 0:00	12:25:00	204,33763	86,02466	20,960287	0,7947506	44,82606	63,962463	180,3646	13,421842
19-12-2019 0:00	12:26:00	204,59178	86,03995	20,906034	0,8065024	45,030712	64,39039	180,3646	13,4457445
19-12-2019 0:00	12:27:00	202,59857	87,01819	20,961372	0,8041272	45,431087	64,40213	180,77258	13,425351
19-12-2019 0:00	12:28:00	203,80707	86,2124	21,013456	0,8041272	45,091896	64,230934	180,92015	13,437413
19-12-2019 0:00	12:29:00	202,9217	85,88569	20,884333	0,8015739	45,131897	64,38346	180,53821	13,437413
19-12-2019 0:00	12:30:00	203,24875	86,54297	20,938585	0,8015739	45,18756	64,35718	180,1823	13,437413
19-12-2019 0:00	12:31:00	203,41728	86,807365	20,949436	0,8121258	45,304672	64,55652	180,57292	13,447233
19-12-2019 0:00	12:32:00	204,13995	86,46922	20,991755	0,7956662	45,213737	64,322426	180,75522	13,433606
19-12-2019 0:00	12:33:00	204,56898	86,56543	20,964628	0,8098556	45,249916	64,43925	180,51216	13,433606
19-12-2019 0:00	12:34:00	203,02997	86,22056	20,945097	0,8074387	45,268738	64,659515	180,69446	13,433606
19-12-2019 0:00	12:35:00	204,05966	86,83777	20,938585	0,8010953	45,137657	64,54659	180,56424	13,4116125
19-12-2019 0:00	12:36:00	203,32123	86,08347	20,882162	0,7928934	45,32903	64,50704	180,25174	13,4116125
19-12-2019 0:00	12:37:00	202,63722	86,65963	20,90495	0,8031117	45,28688	64,43884	180,52953	13,418395
19-12-2019 0:00	12:38:00	204,28593	86,31327	20,965714	0,7997941	45,13441	64,600464	180,57292	13,418395
19-12-2019 0:00	12:39:00	204,38885	86,71353	20,884333	0,8047894	45,09816	64,34972	180,06078	13,393128
19-12-2019 0:00	12:40:00	204,33028	86,18382	20,971138	0,8088909	45,38173	64,410164	180,72917	13,425525
19-12-2019 0:00	12:41:00	203,89066	86,979324	20,988499	0,8088909	45,240932	64,68691	180,55556	13,425525
19-12-2019 0:00	12:42:00	202,08994	86,88718	20,896269	0,8016756	45,19068	64,31662	180,55556	13,425525
19-12-2019 0:00	12:43:00	204,45836	86,59092	20,949436	0,8016756	45,24276	64,93645	180,59897	13,453968
19-12-2019 0:00	12:44:00	204,95512	85,5443	20,970053	0,8167783	45,027653	64,51163	180,59897	13,420064
19-12-2019 0:00	12:45:00	203,72525	86,66293	20,906034	0,8127201	45,256424	64,37321	180,3646	13,420064
19-12-2019 0:00	12:46:00	204,99318	86,49309	20,927736	0,8035739	45,341515	64,50201	180,3646	13,420064
19-12-2019 0:00	12:47:00	203,62006	89,06958	20,835505	0,8064803	45,012585	64,501495	180,3646	13,397041
19-12-2019 0:00	12:48:00	203,41585	89,300705	20,835505	0,8087886	45,012283	64,26697	180,3646	13,398178
19-12-2019 0:00	12:49:00	204,52797	88,88861	20,884333	0,7984204	45,11505	64,875786	180,5816	13,436289
19-12-2019 0:00	12:50:00	205,25725	89,24561	20,901693	0,8154153	44,941536	64,501	180,51216	13,436289



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	203,9	86,71	20,9	0,806	45,2	64,3	180,6	13,44
DESV EST	0,8	1,07	0,05	0,006	0,15	0,38	0,29	0,03
DESV EST %	0,0040	0,0123	0,0023	0,0076	0,0033	0,0058	0,0016	0,0021
MAX	205,5	89,73	21,0	0,820	45,4	64,9	181,3	13,52
MIN	202,09	84,67	20,84	0,79	44,83	63,36	180,06	13,39

UNIT LOAD SETPOINT		F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR	
Date	Time	11CJA00DE100  XQ95	11LCA20CF001  XQ01	10LCA20CP001  XQ01	11LAE10CF001  XQ01	11LCA60CF001  XQ01	11LAB20CF001  XQ01	10LAB20CP001  XQ01	11LAB50CF001  XQ01
		MW	kg/s	BAR	kg/s	kg/s	kg/s	BAR	kg/s
19-12-2019 0:00	12:51:00	204,72743	88,96544	20,839846	0,8057193	44,941536	64,18397	180,51216	13,394126
19-12-2019 0:00	12:52:00	203,88226	89,18301	20,840929	0,8057193	44,96527	64,75683	180,21703	13,398119
19-12-2019 0:00	12:53:00	204,48752	89,72577	20,873482	0,8057193	44,915924	64,762405	180,57292	13,419298
19-12-2019 0:00	12:54:00	205,09634	86,433426	20,938585	0,8057193	45,3679	64,31976	180,56424	13,431679
19-12-2019 0:00	12:55:00	203,12	87,3571	20,86046	0,7956445	44,947334	64,408585	180,25174	13,404574
19-12-2019 0:00	12:56:00	204,8332	86,39211	20,93967	0,8059244	45,106243	64,32074	180,72917	13,448028
19-12-2019 0:00	12:57:00	203,22647	87,430855	20,925566	0,8059244	45,241837	64,56856	180,74654	13,429922
19-12-2019 0:00	12:58:00	204,423	87,070694	20,921225	0,8059244	45,029972	64,584206	180,34723	13,429922
19-12-2019 0:00	12:59:00	203,08998	86,72909	20,895184	0,8059244	45,00152	64,30972	180,40799	13,412842
19-12-2019 0:00	13:00:00	203,26833	86,72909	20,86263	0,7999375	45,169598	64,52172	180,55556	13,455491
19-12-2019 0:00	13:01:00	204,42444	86,705086	20,896269	0,813606	45,233513	64,471466	180,40799	13,420074
19-12-2019 0:00	13:02:00	203,52283	86,67137	20,873482	0,8024728	45,01831	63,584938	180,40799	13,43661
19-12-2019 0:00	13:03:00	204,59627	86,69589	20,927736	0,7916298	45,031864	63,85213	180,70314	13,462881
19-12-2019 0:00	13:04:00	204,93495	87,22675	20,906034	0,8056849	45,271297	63,986897	180,85939	13,462881
19-12-2019 0:00	13:05:00	204,74167	87,07032	20,916885	0,8195807	45,272488	63,565784	180,85939	13,480471
19-12-2019 0:00	13:06:00	205,4929	86,384796	20,916885	0,8090237	45,07274	63,699314	180,72917	13,480471
19-12-2019 0:00	13:07:00	204,59271	86,570076	20,961372	0,8090237	45,27259	63,643448	180,85939	13,480471
19-12-2019 0:00	13:08:00	203,55579	86,75739	20,906034	0,8090237	45,202625	63,388954	181,25002	13,48041
19-12-2019 0:00	13:09:00	204,90993	86,4712	20,964628	0,7983823	45,1606	63,907738	181,25002	13,509572
19-12-2019 0:00	13:10:00	204,05847	86,39622	20,965714	0,8165082	45,1606	63,36031	181,2066	13,461861
19-12-2019 0:00	13:11:00	205,32167	85,3583	21,025393	0,8078749	45,381405	63,65487	181,23265	13,461861
19-12-2019 0:00	13:12:00	204,2666	84,74183	20,960287	0,8078749	45,317253	63,518948	180,86806	13,47685
19-12-2019 0:00	13:13:00	204,07841	85,35423	20,983074	0,8092073	45,415623	63,62564	181,27605	13,47685
19-12-2019 0:00	13:14:00	204,15869	84,66852	21,025393	0,7962729	45,193367	63,918636	181,27605	13,523068
19-12-2019 0:00	13:15:00	203,39914	84,85768	20,964628	0,8114143	45,256805	63,880882	180,70314	13,476415



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	71,78	0,21	8,82	16,47	1.908,07	95,87	94,53	25,81
DESV EST	0,14	0,10	0,26	0,07	15,50	0,23	0,22	0,04
DESV EST %	0,0020	0,4804	0,0295	0,0044	0,0081	0,0024	0,0024	0,0017
MAX	72,15	0,55	9,25	16,62	1939,13	96,25	94,91	25,88
MIN	71,49	0,10	8,03	16,27	1875,48	95,60	94,25	25,75

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	12:15:00	71,983505	0,1125389	8,550903	16,521269	1939,1267	96,059746	94,65277	25,810907
19-12-2019 0:00	12:16:00	71,85691	0,1250643	8,792854	16,496311	1934,3447	96,08594	94,733795	25,810907
19-12-2019 0:00	12:17:00	71,8316	0,2673793	9,104335	16,560331	1936,3495	96,08594	94,733795	25,810907
19-12-2019 0:00	12:18:00	71,71586	0,1605403	8,88277	16,488716	1935,6094	96,109375	94,733795	25,810907
19-12-2019 0:00	12:19:00	71,49161	0,2324686	9,060775	16,412762	1933,5559	96,109375	94,733795	25,852142
19-12-2019 0:00	12:20:00	71,77011	0,1292854	8,83882	16,514757	1924,0518	96,10219	94,733795	25,852142
19-12-2019 0:00	12:21:00	71,625435	0,1216675	9,013869	16,471355	1926,9158	96,10219	94,733795	25,852142
19-12-2019 0:00	12:22:00	71,860535	0,4297718	8,832542	16,471355	1928,924	96,10219	94,78009	25,852142
19-12-2019 0:00	12:23:00	71,6616	0,104645	8,742741	16,499567	1925,1826	96,11221	94,78009	25,852142
19-12-2019 0:00	12:24:00	71,78096	0,0997316	8,7407	16,561417	1918,1672	96,12291	94,78009	25,852142
19-12-2019 0:00	12:25:00	71,607346	0,2823612	8,75277	16,45291	1919,0461	96,1412	94,78009	25,852142
19-12-2019 0:00	12:26:00	71,759254	0,392458	8,820332	16,411676	1917,857	96,1412	94,78009	25,852142
19-12-2019 0:00	12:27:00	71,842445	0,1554158	8,86529	16,527779	1914,4475	96,16867	94,85532	25,852142
19-12-2019 0:00	12:28:00	71,91117	0,1451492	8,777712	16,533203	1916,902	96,19804	94,85532	25,852142
19-12-2019 0:00	12:29:00	71,70862	0,2984513	8,786216	16,488716	1916,031	96,22648	94,85532	25,852142
19-12-2019 0:00	12:30:00	71,70862	0,2222466	8,818617	16,511503	1903,6901	96,25006	94,9074	25,852142
19-12-2019 0:00	12:31:00	71,860535	0,1937532	8,193217	16,49414	1907,2966	96,25006	94,9074	25,852142
19-12-2019 0:00	12:32:00	71,76288	0,1102014	8,88864	16,537544	1909,33	96,23314	94,9074	25,852142
19-12-2019 0:00	12:33:00	71,76288	0,1013629	8,919148	16,496311	1905,5358	96,19518	94,9074	25,852142
19-12-2019 0:00	12:34:00	71,705	0,1293966	8,553088	16,531034	1902,3115	96,16021	94,83218	25,8847
19-12-2019 0:00	12:35:00	71,69777	0,2728909	8,824556	16,522354	1901,7339	96,12172	94,83218	25,8847
19-12-2019 0:00	12:36:00	71,69777	0,3251145	8,387517	16,462675	1898,0166	96,08769	94,74537	25,8847
19-12-2019 0:00	12:37:00	71,64352	0,1185796	8,937837	16,46376	1898,1018	96,00509	94,74537	25,8847
19-12-2019 0:00	12:38:00	71,64352	0,3351916	8,933771	16,46376	1896,5802	95,963875	94,64699	25,8847
19-12-2019 0:00	12:39:00	71,542244	0,2159605	9,186826	16,385635	1894,3748	95,883	94,54282	25,8847
19-12-2019 0:00	12:40:00	71,82436	0,3757728	8,939078	16,53212	1889,7906	95,82099	94,54282	25,82104
19-12-2019 0:00	12:41:00	71,766495	0,1962447	9,060458	16,509333	1885,0526	95,8403	94,54282	25,82104
19-12-2019 0:00	12:42:00	71,766495	0,1657078	8,855457	16,53212	1888,0049	95,824	94,49074	25,82104
19-12-2019 0:00	12:43:00	71,69415	0,1061703	9,2532625	16,471355	1886,6412	95,824	94,49074	25,82104
19-12-2019 0:00	12:44:00	71,75202	0,1390962	8,423882	16,469185	1881,4314	95,79512	94,49074	25,82104
19-12-2019 0:00	12:45:00	71,71224	0,1894957	8,993156	16,435547	1876,612	95,75065	94,421295	25,82104
19-12-2019 0:00	12:46:00	71,77011	0,2205624	8,917939	16,527779	1877,7039	95,72078	94,421295	25,82104
19-12-2019 0:00	12:47:00	71,65075	0,1792852	8,96159	16,28798	1875,4822	95,700264	94,421295	25,82104
19-12-2019 0:00	12:48:00	71,65075	0,2057377	8,97647	16,273872	1878,487	95,66677	94,357635	25,779806
19-12-2019 0:00	12:49:00	71,78819	0,1936392	8,931926	16,359592	1884,8923	95,62092	94,357635	25,779806
19-12-2019 0:00	12:50:00	71,78819	0,3145549	8,953996	16,359592	1891,8596	95,62092	94,29977	25,779806



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	71,78	0,21	8,82	16,47	1.908,07	95,87	94,53	25,81
DESV EST	0,14	0,10	0,26	0,07	15,50	0,23	0,22	0,04
DESV EST %	0,0020	0,4804	0,0295	0,0044	0,0081	0,0024	0,0024	0,0017
MAX	72,15	0,55	9,25	16,62	1939,13	96,25	94,91	25,88
MIN	71,49	0,10	8,03	16,27	1875,48	95,60	94,25	25,75

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	12:51:00	71,62182	0,1172092	8,033886	16,321615	1894,922	95,62092	94,29977	25,779806
19-12-2019 0:00	12:52:00	71,63267	0,2076591	8,933718	16,327042	1902,7758	95,59991	94,29977	25,779806
19-12-2019 0:00	12:53:00	71,860535	0,1017832	9,169167	16,310764	1908,5508	95,59991	94,24768	25,779806
19-12-2019 0:00	12:54:00	71,77011	0,1609418	8,789259	16,47461	1911,3938	95,59991	94,24768	25,779806
19-12-2019 0:00	12:55:00	71,625435	0,3551214	9,18978	16,38455	1908,2498	95,59991	94,24768	25,779806
19-12-2019 0:00	12:56:00	71,83521	0,0997344	8,679094	16,430122	1910,7091	95,59991	94,24768	25,75368
19-12-2019 0:00	12:57:00	71,70862	0,3411636	9,0902	16,45291	1911,2593	95,59991	94,24768	25,75368
19-12-2019 0:00	12:58:00	71,70862	0,1750625	9,055073	16,455078	1908,163	95,64068	94,29977	25,75368
19-12-2019 0:00	12:59:00	71,625435	0,1315668	8,653162	16,455078	1908,7031	95,62188	94,29977	25,75368
19-12-2019 0:00	13:00:00	71,625435	0,1026841	8,890255	16,4681	1906,9972	95,62188	94,29977	25,75368
19-12-2019 0:00	13:01:00	71,78458	0,1198445	8,551771	16,436632	1907,52	95,63496	94,29977	25,75368
19-12-2019 0:00	13:02:00	71,71224	0,1082047	8,890366	16,436632	1905,6873	95,66697	94,29977	25,75368
19-12-2019 0:00	13:03:00	71,83883	0,1547772	8,966115	16,436632	1907,6868	95,66697	94,29977	25,75368
19-12-2019 0:00	13:04:00	71,860535	0,1857493	8,576449	16,449654	1912,6743	95,65655	94,29977	25,75368
19-12-2019 0:00	13:05:00	71,84968	0,3359194	8,903232	16,469185	1910,6365	95,69935	94,34027	25,75368
19-12-2019 0:00	13:06:00	71,860535	0,2146475	8,339407	16,457249	1915,1842	95,69935	94,34027	25,75368
19-12-2019 0:00	13:07:00	71,907555	0,3423849	8,775413	16,509333	1915,6206	95,72564	94,39236	25,75368
19-12-2019 0:00	13:08:00	72,00159	0,3337482	9,003173	16,493057	1916,7634	95,72564	94,39236	25,75368
19-12-2019 0:00	13:09:00	72,07393	0,2995853	8,342377	16,460505	1918,1614	95,746544	94,39236	25,75368
19-12-2019 0:00	13:10:00	72,05585	0,286966	8,596216	16,49414	1920,6997	95,746544	94,39236	25,797588
19-12-2019 0:00	13:11:00	72,1101	0,3619574	8,353423	16,621094	1919,9379	95,746544	94,39236	25,797588
19-12-2019 0:00	13:12:00	71,8967	0,1215236	9,085628	16,574436	1917,8359	95,72968	94,39236	25,797588
19-12-2019 0:00	13:13:00	72,113716	0,1262763	9,113458	16,576607	1915,722	95,70713	94,39236	25,797588
19-12-2019 0:00	13:14:00	72,14988	0,5527599	8,350292	16,587458	1909,1511	95,70713	94,39236	25,797588
19-12-2019 0:00	13:15:00	71,96904	0,2334239	9,048814	16,572266	1907,5227	95,70713	94,39236	25,797588





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	24,90	24,52	2,84	3,49	2,70	2,98	0,05	530,00
DESV EST	0,04	0,04	0,01	0,03	0,03	0,01	0,00	1,11
DESV EST %	0,0018	0,0018	0,0048	0,0087	0,0125	0,0035	0,0189	0,0021
MAX	24,97	24,59	2,87	3,57	2,78	3,00	0,05	531,63
MIN	24,84	24,46	2,81	3,43	2,64	2,95	0,05	528,57

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	12:15:00	24,919586	24,539932	2,8411458	3,4590263	2,7064219	2,9769127	0,0459243	531,4869
19-12-2019 0:00	12:16:00	24,932812	24,539932	2,8223379	3,4923348	2,7440379	2,9769127	0,0459243	531,4869
19-12-2019 0:00	12:17:00	24,9408	24,539932	2,8668256	3,562573	2,720155	2,9782388	0,0461775	531,4869
19-12-2019 0:00	12:18:00	24,9408	24,539932	2,8581452	3,548091	2,7501621	2,9782388	0,0464427	531,4869
19-12-2019 0:00	12:19:00	24,94489	24,559464	2,8411458	3,4427342	2,7161212	2,975707	0,0468044	531,4869
19-12-2019 0:00	12:20:00	24,935305	24,559464	2,8592303	3,4362173	2,6573994	2,9794445	0,0469973	531,4869
19-12-2019 0:00	12:21:00	24,935305	24,559464	2,8451242	3,5502634	2,7516246	2,9766715	0,0469973	531,4869
19-12-2019 0:00	12:22:00	24,935305	24,559464	2,8342736	3,5502634	2,6568847	2,9766715	0,0472505	531,6279
19-12-2019 0:00	12:23:00	24,935305	24,559464	2,8566983	3,4333205	2,7318945	2,973778	0,0472505	531,6279
19-12-2019 0:00	12:24:00	24,940971	24,559464	2,8404224	3,5256438	2,7109783	2,982579	0,0472505	531,6279
19-12-2019 0:00	12:25:00	24,940971	24,559464	2,8621237	3,4749565	2,6732025	2,9793239	0,0474193	531,6279
19-12-2019 0:00	12:26:00	24,940971	24,559464	2,852358	3,4811115	2,701513	2,9793239	0,0476001	531,6279
19-12-2019 0:00	12:27:00	24,940971	24,559464	2,8610387	3,5444703	2,7209451	2,9771538	0,0476001	531,6279
19-12-2019 0:00	12:28:00	24,955336	24,559464	2,846571	3,5241957	2,703746	3,0024714	0,0477448	531,6279
19-12-2019 0:00	12:29:00	24,965088	24,559464	2,836082	3,5086274	2,6623518	2,9792032	0,0477448	531,6279
19-12-2019 0:00	12:30:00	24,965088	24,559464	2,8577836	3,4391136	2,6973112	2,9766717	0,0479136	531,6279
19-12-2019 0:00	12:31:00	24,974014	24,559464	2,826678	3,5292645	2,7490842	2,9816146	0,0479136	531,6279
19-12-2019 0:00	12:32:00	24,974014	24,592014	2,841869	3,4974036	2,64532	2,9717286	0,0481667	531,0167
19-12-2019 0:00	12:33:00	24,974014	24,592014	2,8671873	3,4974036	2,743302	2,999578	0,0481667	531,0167
19-12-2019 0:00	12:34:00	24,974014	24,592014	2,8639321	3,5050068	2,6795306	2,9702818	0,0484079	530,523
19-12-2019 0:00	12:35:00	24,974014	24,592014	2,8375287	3,5050068	2,6850033	2,9845078	0,048637	530,523
19-12-2019 0:00	12:36:00	24,964716	24,592014	2,8509114	3,5100756	2,7632613	2,9523182	0,048637	529,95874
19-12-2019 0:00	12:37:00	24,952524	24,592014	2,8429542	3,5100756	2,6697598	3,002592	0,048637	529,95874
19-12-2019 0:00	12:38:00	24,939169	24,592014	2,8415074	3,5133343	2,7402897	2,9805295	0,0487696	529,95874
19-12-2019 0:00	12:39:00	24,929703	24,555122	2,8429542	3,5133343	2,6471486	2,9805295	0,0487696	529,60614
19-12-2019 0:00	12:40:00	24,916265	24,555122	2,846571	3,5133343	2,708095	2,9764304	0,0487696	529,60614
19-12-2019 0:00	12:41:00	24,906384	24,555122	2,8415074	3,4858184	2,678995	2,9764304	0,0487696	529,60614
19-12-2019 0:00	12:42:00	24,906384	24,52691	2,8404224	3,5310745	2,6860135	2,9773948	0,0487696	529,60614
19-12-2019 0:00	12:43:00	24,906384	24,52691	2,8404224	3,5661936	2,7399626	2,9773948	0,0489504	529,60614
19-12-2019 0:00	12:44:00	24,898493	24,52691	2,8107638	3,4478025	2,7074025	2,9773948	0,0489504	529,277
19-12-2019 0:00	12:45:00	24,898493	24,52691	2,8447626	3,4412856	2,746489	2,9773948	0,0489504	529,277
19-12-2019 0:00	12:46:00	24,891956	24,52691	2,833912	3,553884	2,7032244	2,9773948	0,0492156	529,277
19-12-2019 0:00	12:47:00	24,882858	24,50087	2,8614004	3,5024724	2,7026567	2,9465315	0,0492156	528,8538
19-12-2019 0:00	12:48:00	24,874142	24,50087	2,852358	3,4597507	2,7015715	2,9772742	0,0492156	528,8538
19-12-2019 0:00	12:49:00	24,86597	24,50087	2,8505497	3,4821978	2,716575	2,97848	0,0492156	528,8538
19-12-2019 0:00	12:50:00	24,857952	24,50087	2,8158274	3,483284	2,6601772	2,9790826	0,0492156	528,57166



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	24,90	24,52	2,84	3,49	2,70	2,98	0,05	530,00
DESV EST	0,04	0,04	0,01	0,03	0,03	0,01	0,00	1,11
DESV EST %	0,0018	0,0018	0,0048	0,0087	0,0125	0,0035	0,0189	0,0021
MAX	24,97	24,59	2,87	3,57	2,78	3,00	0,05	531,63
MIN	24,84	24,46	2,81	3,43	2,64	2,95	0,05	528,57

Date	Time	IP PRES ACT VAL 10LBB10FP002  XQ01 bar	STM AHD IP BLADING 10MAB50CP001  XQ01 bar	STM IP EXHAUST 10MAB50CP021  XQ01 bar	PRES D/AST 10LAA10CP001  XQ01 BAR	LP PRES ACT VAL 10LBA80FP002  XQ01 bar	PRES INL LP CSG 10MAC11FP901  XQ01 barabs	PRES CONDR 1 10MAG01FP902  XQ01 barabs	TEMP HP MS U/S ST 10LBA11CT001  XQ01 °C
19-12-2019 0:00	12:51:00	24,857952	24,474827	2,8125722	3,4905248	2,701016	2,971608	0,0492156	528,57166
19-12-2019 0:00	12:52:00	24,848991	24,474827	2,8306568	3,4814734	2,697559	2,971608	0,049288	528,57166
19-12-2019 0:00	12:53:00	24,848991	24,474827	2,8505497	3,4814734	2,7026095	2,971608	0,049288	528,57166
19-12-2019 0:00	12:54:00	24,848991	24,474827	2,8494647	3,4814734	2,7552435	2,971608	0,049288	528,57166
19-12-2019 0:00	12:55:00	24,842417	24,474827	2,8194444	3,4814734	2,7772303	2,9640126	0,0492156	528,57166
19-12-2019 0:00	12:56:00	24,842417	24,474827	2,8288484	3,4814734	2,6568654	2,988607	0,0492156	528,80676
19-12-2019 0:00	12:57:00	24,842417	24,474827	2,8400607	3,4814734	2,7644048	2,9623249	0,0492156	528,80676
19-12-2019 0:00	12:58:00	24,842417	24,457466	2,834997	3,4814734	2,688738	2,9652183	0,0492156	528,80676
19-12-2019 0:00	12:59:00	24,842417	24,457466	2,8259547	3,4814734	2,7003145	2,9596727	0,0490589	529,08887
19-12-2019 0:00	13:00:00	24,842417	24,457466	2,8274014	3,4814734	2,6998255	2,969438	0,0490589	529,08887
19-12-2019 0:00	13:01:00	24,840551	24,457466	2,8415074	3,4814734	2,6993923	2,969438	0,0490589	529,08887
19-12-2019 0:00	13:02:00	24,840551	24,457466	2,8411458	3,478939	2,7013078	2,971608	0,0490589	529,08887
19-12-2019 0:00	13:03:00	24,840551	24,457466	2,8313801	3,478939	2,698908	2,9479783	0,0490589	529,34753
19-12-2019 0:00	13:04:00	24,840551	24,457466	2,8447626	3,478939	2,671206	2,963651	0,0490589	529,34753
19-12-2019 0:00	13:05:00	24,850672	24,457466	2,850188	3,4840078	2,752708	2,9599137	0,0490589	529,34753
19-12-2019 0:00	13:06:00	24,858982	24,457466	2,8288484	3,4840078	2,6503472	2,9661827	0,0490589	529,34753
19-12-2019 0:00	13:07:00	24,8693	24,490019	2,8592303	3,4883523	2,6421738	2,974381	0,048866	529,70013
19-12-2019 0:00	13:08:00	24,876509	24,490019	2,8581452	3,4883523	2,6981514	2,974381	0,048866	529,70013
19-12-2019 0:00	13:09:00	24,876509	24,490019	2,851273	3,4883523	2,6704414	2,974381	0,048866	529,70013
19-12-2019 0:00	13:10:00	24,88418	24,490019	2,8179975	3,4883523	2,6574614	2,974381	0,0488057	529,70013
19-12-2019 0:00	13:11:00	24,88926	24,490019	2,8577836	3,4883523	2,6552508	2,9600341	0,0488057	529,70013
19-12-2019 0:00	13:12:00	24,88926	24,490019	2,8433158	3,499576	2,7212107	2,9880042	0,0485405	529,39453
19-12-2019 0:00	13:13:00	24,897165	24,50738	2,8230612	3,499576	2,719898	2,9819763	0,0485405	529,39453
19-12-2019 0:00	13:14:00	24,890627	24,50738	2,8404224	3,5075412	2,7204	2,9740193	0,0483838	529,39453
19-12-2019 0:00	13:15:00	24,890627	24,50738	2,8429542	3,5075412	2,700599	2,9872808	0,0483838	529,39453



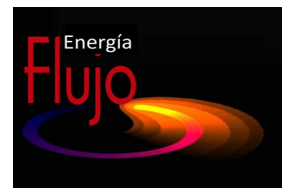
DATOS	61	61	61	61	61	61	61	61
PROMEDIO	345,80	535,85	251,74	232,48	255,78	20,96	20,84	32,11
DESV EST	0,76	1,15	0,72	0,08	0,64	0,33	0,33	0,33
DESV EST %	0,0022	0,0021	0,0029	0,0004	0,0025	0,0156	0,0159	0,0104
MAX	346,90	537,39	252,70	232,53	256,80	21,27	21,17	32,44
MIN	344,90	534,45	251,00	232,35	255,00	20,01	19,90	31,21

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	12:15:00	346,90002	537,1293	252,5	232,53038	256,5	20,010489	19,896557	31,222874
19-12-2019 0:00	12:16:00	346,90002	537,1293	252,5	232,53038	256,5	20,088251	19,96166	31,210213
19-12-2019 0:00	12:17:00	346,90002	537,1293	252,70001	232,53038	256,5	20,173248	20,0557	31,26085
19-12-2019 0:00	12:18:00	346,90002	537,1293	252,70001	232,53038	256,5	20,258245	20,14793	31,340422
19-12-2019 0:00	12:19:00	346,8	537,3879	252,70001	232,53038	256,5	20,34867	20,24197	31,418186
19-12-2019 0:00	12:20:00	346,8	537,3879	252,70001	232,53038	256,5	20,435474	20,319733	31,526691
19-12-2019 0:00	12:21:00	346,8	537,3879	252,70001	232,53038	256,60004	20,516855	20,39207	31,62254
19-12-2019 0:00	12:22:00	346,8	537,3879	252,70001	232,53038	256,60004	20,516855	20,39207	31,711155
19-12-2019 0:00	12:23:00	346,90002	537,3879	252,70001	232,53038	256,60004	20,576532	20,39207	31,720196
19-12-2019 0:00	12:24:00	346,90002	537,3879	252,70001	232,53038	256,60004	20,576532	20,444517	31,729239
19-12-2019 0:00	12:25:00	346,90002	537,3879	252,70001	232,53038	256,60004	20,63983	20,511429	31,79796
19-12-2019 0:00	12:26:00	346,90002	537,3879	252,70001	232,53038	256,60004	20,699509	20,574724	31,848597
19-12-2019 0:00	12:27:00	346,90002	537,3879	252,70001	232,53038	256,60004	20,699509	20,574724	31,893806
19-12-2019 0:00	12:28:00	346,90002	537,3879	252,70001	232,53038	256,8	20,699509	20,618128	31,910084
19-12-2019 0:00	12:29:00	346,90002	537,3879	252,70001	232,53038	256,8	20,793547	20,618128	31,942635
19-12-2019 0:00	12:30:00	346,7	537,3879	252,70001	232,53038	256,8	20,793547	20,666956	31,940826
19-12-2019 0:00	12:31:00	346,7	537,3879	252,70001	232,53038	256,60004	20,793547	20,728443	31,97338
19-12-2019 0:00	12:32:00	346,7	537,3879	252,70001	232,53038	256,60004	20,855034	20,728443	31,982422
19-12-2019 0:00	12:33:00	346,40002	537,3879	252,70001	232,53038	256,3	20,855034	20,806206	32,045715
19-12-2019 0:00	12:34:00	346,40002	537,3879	252,29999	232,53038	256,3	20,92918	20,864077	32,07646
19-12-2019 0:00	12:35:00	346,10004	536,18884	252,29999	232,53038	256,3	20,98886	20,864077	32,139755
19-12-2019 0:00	12:36:00	346,10004	536,18884	252,29999	232,53038	256,3	20,98886	20,925564	32,210285
19-12-2019 0:00	12:37:00	345,8	536,18884	251,90002	232,53038	256,10004	21,03588	20,925564	32,165073
19-12-2019 0:00	12:38:00	345,8	536,18884	251,90002	232,53038	256,10004	21,07024	20,972584	32,222946
19-12-2019 0:00	12:39:00	345,60004	536,18884	251,90002	232,53038	255,90002	21,07024	20,972584	32,289856
19-12-2019 0:00	12:40:00	345,60004	535,62463	251,90002	232,53038	255,90002	21,099174	20,972584	32,28443
19-12-2019 0:00	12:41:00	345,60004	535,62463	251,70001	232,53038	255,90002	21,099174	20,972584	32,255497
19-12-2019 0:00	12:42:00	345,5	535,62463	251,70001	232,53038	255,90002	21,099174	21,017796	32,271774
19-12-2019 0:00	12:43:00	345,5	535,62463	251,70001	232,53038	255,90002	21,131727	21,017796	32,318794
19-12-2019 0:00	12:44:00	345,5	535,62463	251,70001	232,53038	255,70001	21,176939	21,064814	32,318794
19-12-2019 0:00	12:45:00	345,3	535,62463	251,29999	232,53038	255,70001	21,176939	21,064814	32,35677
19-12-2019 0:00	12:46:00	345,3	534,9193	251,29999	232,53038	255,5	21,222149	21,1263	32,411022
19-12-2019 0:00	12:47:00	345,10004	534,9193	251,29999	232,53038	255,5	21,222149	21,1263	32,443577
19-12-2019 0:00	12:48:00	345,10004	534,9193	251,29999	232,53038	255,20001	21,269169	21,17332	32,4273
19-12-2019 0:00	12:49:00	344,90002	534,9193	251,29999	232,53038	255,20001	21,269169	21,17332	32,443577
19-12-2019 0:00	12:50:00	344,90002	534,9193	251	232,53038	255,20001	21,269169	21,17332	32,420067



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	345,80	535,85	251,74	232,48	255,78	20,96	20,84	32,11
DESV EST	0,76	1,15	0,72	0,08	0,64	0,33	0,33	0,33
DESV EST %	0,0022	0,0021	0,0029	0,0004	0,0025	0,0156	0,0159	0,0104
MAX	346,90	537,39	252,70	232,53	256,80	21,27	21,17	32,44
MIN	344,90	534,45	251,00	232,35	255,00	20,01	19,90	31,21

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	12:51:00	344,90002	534,44916	251	232,53038	255,20001	21,269169	21,142578	32,430916
19-12-2019 0:00	12:52:00	344,90002	534,44916	251	232,53038	255,20001	21,269169	21,142578	32,389324
19-12-2019 0:00	12:53:00	344,90002	534,44916	251	232,53038	255	21,269169	21,142578	32,40379
19-12-2019 0:00	12:54:00	344,90002	534,44916	251	232,53038	255	21,269169	21,142578	32,373047
19-12-2019 0:00	12:55:00	344,90002	534,44916	251	232,53038	255	21,269169	21,142578	32,374855
19-12-2019 0:00	12:56:00	344,90002	534,44916	251	232,53038	255	21,269169	21,142578	32,374855
19-12-2019 0:00	12:57:00	344,90002	534,44916	251	232,53038	255	21,269169	21,142578	32,374855
19-12-2019 0:00	12:58:00	344,90002	534,44916	251	232,53038	255	21,236618	21,142578	32,340496
19-12-2019 0:00	12:59:00	344,90002	534,44916	251	232,53038	255	21,191406	21,08109	32,327835
19-12-2019 0:00	13:00:00	345,10004	534,44916	251	232,34592	255	21,191406	21,08109	32,311558
19-12-2019 0:00	13:01:00	345,10004	534,8488	251	232,34592	255,20001	21,270977	21,08109	32,33145
19-12-2019 0:00	13:02:00	345,10004	534,8488	251	232,34592	255,20001	21,189598	21,08109	32,326027
19-12-2019 0:00	13:03:00	345,10004	534,8488	251	232,34592	255,20001	21,189598	21,08109	32,320602
19-12-2019 0:00	13:04:00	345,3	534,8488	251	232,34592	255,20001	21,189598	21,08109	32,311558
19-12-2019 0:00	13:05:00	345,3	534,8488	251	232,34592	255,20001	21,189598	21,08109	32,344112
19-12-2019 0:00	13:06:00	345,3	534,8488	251	232,34592	255,20001	21,100983	21,050346	32,302517
19-12-2019 0:00	13:07:00	345,5	534,8488	251	232,34592	255,20001	21,100983	21,005136	32,28443
19-12-2019 0:00	13:08:00	345,5	535,4836	251,20001	232,34592	255,20001	21,133535	20,956308	32,271774
19-12-2019 0:00	13:09:00	345,5	535,4836	251,20001	232,34592	255,20001	21,086515	20,956308	32,255497
19-12-2019 0:00	13:10:00	345,5	535,4836	251,20001	232,34592	255,29999	21,086515	20,956308	32,23922
19-12-2019 0:00	13:11:00	345,5	535,4836	251,20001	232,34592	255,29999	21,086515	20,956308	32,23922
19-12-2019 0:00	13:12:00	345,5	535,4836	251,20001	232,34592	255,29999	21,019604	20,898438	32,177734
19-12-2019 0:00	13:13:00	345,5	534,9664	251,20001	232,34592	255,29999	20,970776	20,835142	32,130714
19-12-2019 0:00	13:14:00	345,5	534,9664	251,20001	232,34592	255,29999	20,970776	20,835142	32,114437
19-12-2019 0:00	13:15:00	345,40002	534,9664	251,20001	232,34592	255,29999	20,970776	20,835142	32,096355



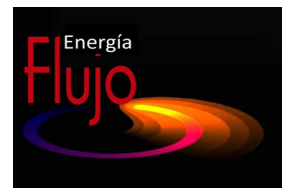
DATOS	61	61	61	61	61	61	61	61
PROMEDIO	31,55	78,28	152,52	35,97	20,92	0,14	17,75	149,59
DESV EST	0,36	0,58	0,16	0,39	0,26	0,03	0,32	0,25
DESV EST %	0,0114	0,0075	0,0010	0,0108	0,0124	0,2102	0,0177	0,0016
MAX	31,91	79,57	152,89	36,35	21,30	0,17	18,41	149,91
MIN	30,56	77,27	152,18	35,13	20,35	0,10	17,22	149,15

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01	11LCA20CT002  XQ01	11LCA30CT001  XQ01	11LCA20CT001  XQ01	11EKT20CT001  XQ01	11EKT20CP901  XQ01	11EKC20CT001  XQ01	11LAB20CT001  XQ01
		°C	°C	°C	°C	°C	bar	°C	°C
19-12-2019 0:00	12:15:00	30,564598	77,53906	152,18098	35,13455	20,347221	0,1681858	17,222221	149,2079
19-12-2019 0:00	12:16:00	30,598957	78,79774	152,2461	35,210503	20,347221	0,1681858	17,36111	149,2079
19-12-2019 0:00	12:17:00	30,656828	77,26779	152,34375	35,210503	20,60185	0,1681858	17,36111	149,15364
19-12-2019 0:00	12:18:00	30,734592	77,26779	152,34375	35,210503	20,60185	0,1681858	17,36111	149,15364
19-12-2019 0:00	12:19:00	30,853949	77,26779	152,34375	35,210503	20,60185	0,1681858	17,36111	149,16449
19-12-2019 0:00	12:20:00	30,93533	77,47395	152,36545	35,210503	20,60185	0,1681858	17,36111	149,2513
19-12-2019 0:00	12:21:00	31,0149	77,47395	152,26779	35,210503	20,60185	0,1681858	17,36111	149,2513
19-12-2019 0:00	12:22:00	31,089048	78,64583	152,36545	35,297306	20,60185	0,1681858	17,36111	149,2296
19-12-2019 0:00	12:23:00	31,119791	78,64583	152,36545	35,405815	20,60185	0,1681858	17,488426	149,2296
19-12-2019 0:00	12:24:00	31,136066	77,83203	152,36545	35,405815	20,60185	0,1681858	17,488426	149,2296
19-12-2019 0:00	12:25:00	31,177662	77,83203	152,36545	35,536022	20,60185	0,1681858	17,488426	149,28384
19-12-2019 0:00	12:26:00	31,240957	77,83203	152,36545	35,536022	20,60185	0,1681858	17,488426	149,28384
19-12-2019 0:00	12:27:00	31,304253	79,383675	152,43056	35,536022	20,60185	0,1681858	17,569445	149,30556
19-12-2019 0:00	12:28:00	31,322338	77,87543	152,43056	35,65538	20,60185	0,1681858	17,569445	149,30556
19-12-2019 0:00	12:29:00	31,362123	77,87543	152,4197	35,65538	20,60185	0,1320168	17,569445	149,32726
19-12-2019 0:00	12:30:00	31,367548	77,87543	152,51735	35,80729	20,60185	0,1681858	17,569445	149,32726
19-12-2019 0:00	12:31:00	31,398293	77,87543	152,51735	35,80729	20,844906	0,1320169	17,569445	149,42491
19-12-2019 0:00	12:32:00	31,432653	77,87543	152,51735	35,80729	20,844906	0,1320169	17,569445	149,42491
19-12-2019 0:00	12:33:00	31,5068	77,87543	152,62587	35,80729	20,844906	0,1320169	17,61574	149,47916
19-12-2019 0:00	12:34:00	31,568287	77,87543	152,51735	35,926647	20,844906	0,1320168	17,61574	149,53342
19-12-2019 0:00	12:35:00	31,613499	77,87543	152,51735	35,926647	20,844906	0,1320168	17,61574	149,53342
19-12-2019 0:00	12:36:00	31,676794	78,86285	152,615	35,926647	20,844906	0,1320168	17,61574	149,53342
19-12-2019 0:00	12:37:00	31,6569	78,86285	152,615	35,926647	20,844906	0,1320168	17,61574	149,64192
19-12-2019 0:00	12:38:00	31,722004	78,86285	152,615	35,926647	20,844906	0,1320168	17,61574	149,71788
19-12-2019 0:00	12:39:00	31,738281	78,86285	152,51735	36,046005	20,844906	0,0958777	17,61574	149,80469
19-12-2019 0:00	12:40:00	31,74009	78,86285	152,51735	36,046005	20,844906	0,1320168	17,61574	149,80469
19-12-2019 0:00	12:41:00	31,69307	78,86285	152,51735	36,046005	20,844906	0,1320168	17,67361	149,80469
19-12-2019 0:00	12:42:00	31,722004	78,86285	152,57161	36,046005	20,844906	0,098619	17,67361	149,86978
19-12-2019 0:00	12:43:00	31,767216	78,35286	152,57161	36,197914	20,844906	0,098619	17,67361	149,86978
19-12-2019 0:00	12:44:00	31,767216	78,35286	152,57161	36,197914	20,844906	0,098619	17,67361	149,86978
19-12-2019 0:00	12:45:00	31,81966	78,35286	152,57161	36,197914	20,844906	0,098619	17,61574	149,9132
19-12-2019 0:00	12:46:00	31,861256	78,35286	152,57161	36,197914	21,087963	0,0960821	17,61574	149,9132
19-12-2019 0:00	12:47:00	31,891998	78,35286	152,57161	36,197914	21,087963	0,0960821	17,61574	149,9132
19-12-2019 0:00	12:48:00	31,891998	78,35286	152,58246	36,197914	21,087963	0,0960821	17,61574	149,9132
19-12-2019 0:00	12:49:00	31,910084	78,15755	152,4848	36,197914	21,087963	0,0960821	17,61574	149,9132
19-12-2019 0:00	12:50:00	31,857637	78,15755	152,4848	36,197914	21,087963	0,0960821	17,708332	149,84808



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	31,55	78,28	152,52	35,97	20,92	0,14	17,75	149,59
DESV EST	0,36	0,58	0,16	0,39	0,26	0,03	0,32	0,25
DESV EST %	0,0114	0,0075	0,0010	0,0108	0,0124	0,2102	0,0177	0,0016
MAX	31,91	79,57	152,89	36,35	21,30	0,17	18,41	149,91
MIN	30,56	77,27	152,18	35,13	20,35	0,10	17,22	149,15

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	12:51:00	31,910084	78,15755	152,4848	36,197914	21,087963	0,0960821	17,708332	149,84808
19-12-2019 0:00	12:52:00	31,877531	77,61501	152,4848	36,197914	21,087963	0,0960821	17,708332	149,84808
19-12-2019 0:00	12:53:00	31,857637	77,61501	152,4848	36,197914	21,087963	0,0976562	17,708332	149,84808
19-12-2019 0:00	12:54:00	31,893806	77,61501	152,4848	36,349827	21,087963	0,0976562	17,835648	149,79384
19-12-2019 0:00	12:55:00	31,846788	79,155815	152,4631	36,349827	21,087963	0,0976562	17,835648	149,86978
19-12-2019 0:00	12:56:00	31,893806	77,79948	152,36545	36,349827	21,087963	0,1320168	17,835648	149,81554
19-12-2019 0:00	12:57:00	31,873915	77,79948	152,398	36,349827	21,087963	0,1681863	17,835648	149,73958
19-12-2019 0:00	12:58:00	31,839554	77,79948	152,398	36,349827	21,087963	0,1681863	17,835648	149,73958
19-12-2019 0:00	12:59:00	31,814236	77,79948	152,398	36,349827	21,087963	0,1681863	17,881945	149,73958
19-12-2019 0:00	13:00:00	31,792534	77,79948	152,4197	36,306423	21,087963	0,1681863	17,881945	149,73958
19-12-2019 0:00	13:01:00	31,776258	78,732635	152,4197	36,306423	21,087963	0,1681863	17,962963	149,73958
19-12-2019 0:00	13:02:00	31,83413	78,732635	152,4197	36,306423	21,087963	0,1681858	17,962963	149,73958
19-12-2019 0:00	13:03:00	31,776258	78,732635	152,45226	36,306423	21,087963	0,1681858	17,962963	149,73958
19-12-2019 0:00	13:04:00	31,759981	78,732635	152,45226	36,306423	21,087963	0,1681858	18,125	149,73958
19-12-2019 0:00	13:05:00	31,756365	78,732635	152,57161	36,306423	21,087963	0,1681858	18,125	149,68532
19-12-2019 0:00	13:06:00	31,714771	78,732635	152,66927	36,306423	21,087963	0,1681858	18,125	149,60938
19-12-2019 0:00	13:07:00	31,749132	77,821175	152,74522	36,306423	21,296295	0,1681858	18,229166	149,60938
19-12-2019 0:00	13:08:00	31,705729	77,821175	152,78862	36,306423	21,296295	0,1681858	18,229166	149,60938
19-12-2019 0:00	13:09:00	31,685835	78,77604	152,88628	36,306423	21,296295	0,1681858	18,356482	149,60938
19-12-2019 0:00	13:10:00	31,66956	78,77604	152,81032	36,306423	21,296295	0,1681858	18,356482	149,60938
19-12-2019 0:00	13:11:00	31,640625	78,77604	152,81032	36,187065	21,296295	0,1320168	18,356482	149,55511
19-12-2019 0:00	13:12:00	31,57552	78,77604	152,81032	36,187065	21,296295	0,1681858	18,356482	149,44661
19-12-2019 0:00	13:13:00	31,568287	78,77604	152,85373	36,187065	21,296295	0,1681858	18,41435	149,54427
19-12-2019 0:00	13:14:00	31,550201	79,56814	152,85373	36,187065	21,296295	0,1681858	18,41435	149,54427
19-12-2019 0:00	13:15:00	31,514032	79,56814	152,78862	36,187065	21,296295	0,1681858	18,41435	149,58766



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,74	141,85	5,19	28,26	-	110,99	10,42	6,24
DESV EST	0,23	0,82	0,00	0,77	0,00	0,64	0,01	0,04
DESV EST %	0,0015	0,0058	0,0005	0,0273	#iDIV/0!	0,0058	0,0007	0,0060
MAX	149,00	143,61	5,20	29,18	0,00	112,38	10,43	6,33
MIN	148,34	140,04	5,19	27,32	0,00	109,69	10,41	6,12

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	12:15:00	148,33984	141,11328	5,197023	29,177792	0	112,38281	10,428024	6,252351
19-12-2019 0:00	12:16:00	148,33984	142,43706	5,197023	29,177792	0	110,95703	10,408276	6,297309
19-12-2019 0:00	12:17:00	148,33984	143,47873	5,197023	29,177792	0	111,95963	10,433666	6,252351
19-12-2019 0:00	12:18:00	148,33984	143,25087	5,197023	29,177792	0	111,76432	10,433666	6,252351
19-12-2019 0:00	12:19:00	148,33984	140,78775	5,197023	29,177792	0	110,89192	10,408276	6,2447915
19-12-2019 0:00	12:20:00	148,33984	141,03732	5,197023	29,177792	0	112,291664	10,415799	6,3327184
19-12-2019 0:00	12:21:00	148,33984	143,0664	5,197023	29,177792	0	110,481766	10,415799	6,263093
19-12-2019 0:00	12:22:00	148,55685	142,49132	5,197023	29,177792	0	111,43229	10,415799	6,261502
19-12-2019 0:00	12:23:00	148,55685	141,20009	5,197023	29,177792	0	111,88151	10,425202	6,204608
19-12-2019 0:00	12:24:00	148,55685	143,1315	5,197023	29,177792	0	111,49739	10,425202	6,255136
19-12-2019 0:00	12:25:00	148,55685	141,77516	5,197023	29,177792	0	111,54297	10,425202	6,2682652
19-12-2019 0:00	12:26:00	148,55685	141,77516	5,197023	29,177792	0	112,22656	10,425202	6,3152127
19-12-2019 0:00	12:27:00	148,55685	143,25087	5,197023	29,177792	0	110,63151	10,425202	6,2507596
19-12-2019 0:00	12:28:00	148,55685	143,60893	5,197023	29,177792	0	111,555984	10,425202	6,2591147
19-12-2019 0:00	12:29:00	148,55685	140,80946	5,197023	29,177792	0	110,97005	10,41768	6,2702546
19-12-2019 0:00	12:30:00	148,77386	140,65755	5,197023	29,177792	0	111,42578	10,41768	6,2451897
19-12-2019 0:00	12:31:00	148,77386	142,79514	5,197023	28,996222	0	112,1875	10,41768	6,268663
19-12-2019 0:00	12:32:00	148,77386	141,4605	5,197023	28,996222	0	111,26953	10,41768	6,2710505
19-12-2019 0:00	12:33:00	148,77386	142,1007	5,197023	28,996222	0	111,34766	10,41768	6,3072553
19-12-2019 0:00	12:34:00	148,77386	142,2743	5,197023	28,996222	0	111,21094	10,423322	6,258319
19-12-2019 0:00	12:35:00	148,77386	141,6558	5,197023	28,996222	0	111,822914	10,423322	6,258319
19-12-2019 0:00	12:36:00	148,77386	142,30685	5,1915145	28,779919	0	111,67317	10,423322	6,2137585
19-12-2019 0:00	12:37:00	148,77386	142,30685	5,1915145	28,779919	0	111,015625	10,423322	6,2396193
19-12-2019 0:00	12:38:00	148,77386	141,6558	5,1915145	28,779919	0	111,529945	10,423322	6,2587166
19-12-2019 0:00	12:39:00	149,00172	141,90538	5,1915145	28,779919	0	111,20442	10,423322	6,2929325
19-12-2019 0:00	12:40:00	149,00172	142,32855	5,1915145	28,779919	0	110,82031	10,423322	6,208586
19-12-2019 0:00	12:41:00	149,00172	141,05902	5,1915145	28,507513	0	111,015625	10,423322	6,3012877
19-12-2019 0:00	12:42:00	149,00172	142,9579	5,1915145	28,507513	0	110,53385	10,423322	6,122251
19-12-2019 0:00	12:43:00	149,00172	142,75172	5,1915145	28,507513	0	110,57942	10,423322	6,2447915
19-12-2019 0:00	12:44:00	149,00172	140,38628	5,1915145	28,20615	0	110,625	10,423322	6,2137585
19-12-2019 0:00	12:45:00	149,00172	140,03906	5,1915145	28,20615	0	110,625	10,4139185	6,2591147
19-12-2019 0:00	12:46:00	149,00172	143,03384	5,1915145	28,20615	0	109,97395	10,4139185	6,2073927
19-12-2019 0:00	12:47:00	149,00172	142,30685	5,1915145	28,20615	0	110,260414	10,428965	6,21535
19-12-2019 0:00	12:48:00	149,00172	141,03732	5,1915145	27,892214	0	110,904945	10,428965	6,252351
19-12-2019 0:00	12:49:00	149,00172	141,03732	5,1915145	27,892214	0	109,98047	10,406865	6,2089844
19-12-2019 0:00	12:50:00	149,00172	141,6558	5,1915145	27,892214	0	110,63151	10,433666	6,2650824



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,74	141,85	5,19	28,26	-	110,99	10,42	6,24
DESV EST	0,23	0,82	0,00	0,77	0,00	0,64	0,01	0,04
DESV EST %	0,0015	0,0058	0,0005	0,0273	#¡DIV/0!	0,0058	0,0007	0,0060
MAX	149,00	143,61	5,20	29,18	0,00	112,38	10,43	6,33
MIN	148,34	140,04	5,19	27,32	0,00	109,69	10,41	6,12

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	12:51:00	149,00172	141,03732	5,1915145	27,63987	0	110,74219	10,433666	6,2471786
19-12-2019 0:00	12:52:00	149,00172	141,62326	5,1915145	27,63987	0	110,546875	10,406865	6,22092
19-12-2019 0:00	12:53:00	149,00172	141,62326	5,1915145	27,63987	0	110,325516	10,407805	6,2089844
19-12-2019 0:00	12:54:00	149,00172	141,62326	5,1915145	27,63987	0	110,59895	10,430375	6,241211
19-12-2019 0:00	12:55:00	149,00172	141,62326	5,1915145	27,63987	0	110,51432	10,430375	6,1357784
19-12-2019 0:00	12:56:00	149,00172	141,13498	5,1915145	27,464472	0	110,14323	10,410626	6,2471786
19-12-2019 0:00	12:57:00	149,00172	141,13498	5,1915145	27,464472	0	109,6875	10,410626	6,1914787
19-12-2019 0:00	12:58:00	149,00172	141,6558	5,1915145	27,464472	0	110,89192	10,427554	6,215748
19-12-2019 0:00	12:59:00	148,77386	141,16753	5,1915145	27,464472	0	110,27344	10,427554	6,214952
19-12-2019 0:00	13:00:00	148,77386	141,16753	5,1915145	27,464472	0	110,27344	10,410626	6,2511573
19-12-2019 0:00	13:01:00	148,77386	141,16753	5,1915145	27,464472	0	110,35156	10,410626	6,1970487
19-12-2019 0:00	13:02:00	148,77386	141,81857	5,1915145	27,464472	0	110,98307	10,415799	6,1966505
19-12-2019 0:00	13:03:00	148,77386	141,16753	5,1915145	27,316359	0	110,66406	10,415799	6,25434
19-12-2019 0:00	13:04:00	148,77386	141,16753	5,1915145	27,316359	0	110,42317	10,415799	6,2344475
19-12-2019 0:00	13:05:00	148,57855	141,16753	5,1915145	27,316359	0	110,66406	10,425673	6,1886935
19-12-2019 0:00	13:06:00	148,57855	141,55815	5,1915145	27,316359	0	111,56901	10,425673	6,2650824
19-12-2019 0:00	13:07:00	148,57855	141,18922	5,1915145	27,316359	0	111,20442	10,425673	6,2503614
19-12-2019 0:00	13:08:00	148,57855	141,66666	5,1915145	27,316359	0	109,85026	10,425673	6,263491
19-12-2019 0:00	13:09:00	148,57855	142,30685	5,1915145	27,316359	0	111,263016	10,407805	6,2563295
19-12-2019 0:00	13:10:00	148,57855	142,79514	5,1915145	27,316359	0	111,20442	10,41956	6,255136
19-12-2019 0:00	13:11:00	148,57855	142,79514	5,1915145	27,316359	0	112,024734	10,41956	6,258319
19-12-2019 0:00	13:12:00	148,57855	142,22005	5,1915145	27,316359	0	110,68359	10,41956	6,246383
19-12-2019 0:00	13:13:00	148,57855	142,22005	5,1915145	27,316359	0	110,35807	10,41956	6,246383
19-12-2019 0:00	13:14:00	148,57855	142,22005	5,1915145	27,316359	0	110,91145	10,41956	6,2646847
19-12-2019 0:00	13:15:00	148,57855	142,88194	5,1915145	27,599617	0	110,91797	10,41956	6,199038





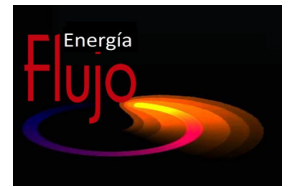
DATOS	61	61	61	61	61	61	61	61	61
PROMEDIO	6,27	6,26	0,98	592,30	2,69	6,60	290,31	108,58	108,58
DESV EST	0,03	0,03	0,00	4,32	2,00	0,00	3,08	0,68	0,68
DESV EST %	0,0049	0,0055	0,0016	0,0073	0,7421	0,0005	0,0106	0,0063	0,0063
MAX	6,35	6,34	0,99	600,59	18,04	6,61	296,55	110,54	110,54
MIN	6,17	6,16	0,98	580,86	2,29	6,60	285,21	107,42	107,42

Date	Time	GEN CURRENT L2		GEN CURRENT L3		ST GEN PWR FACTOR	MAX EXCITATION	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT
		10MKA01CE002B  XQ01	10MKA01CE002C  XQ01	10MKC01DE503  ZQ01	10MKC01EU001  ZQ01	10BBT01CE003  XQ01	10BBF00CE001  XQ01	10BBT01CE102  XQ01	11CJA00DE100  XQ96		
		kA	kA	cos phi	A	MW	KV	A	MW		
19-12-2019 0:00	12:15:00	6,269061	6,266674	0,9858398	589,16016	2,3975983	6,6047635	287,0009	109,380325		
19-12-2019 0:00	12:16:00	6,289352	6,266276	0,9858398	588,1836	2,407089	6,6013346	285,2105	109,665565		
19-12-2019 0:00	12:17:00	6,2953196	6,2742333	0,9858398	584,96094	2,407089	6,6047635	285,42752	109,37502		
19-12-2019 0:00	12:18:00	6,2730393	6,269061	0,9858398	588,96484	2,2914207	6,6047635	288,19446	107,64167		
19-12-2019 0:00	12:19:00	6,283384	6,251555	0,9825439	589,4531	2,4213252	6,6119065	285,37326	108,50086		
19-12-2019 0:00	12:20:00	6,35102	6,3239655	0,9825439	592,3828	2,42785	6,6013346	286,6211	109,47623		
19-12-2019 0:00	12:21:00	6,2595124	6,2734375	0,9825439	586,6211	2,3916667	6,602763	285,6988	108,84417		
19-12-2019 0:00	12:22:00	6,31203	6,280997	0,9825439	593,0664	2,4337819	6,6079063	287,59766	109,62768		
19-12-2019 0:00	12:23:00	6,2364364	6,2571254	0,9848633	585,2539	2,4219184	6,6021914	288,1402	108,331566		
19-12-2019 0:00	12:24:00	6,277416	6,320385	0,9848633	593,5547	2,4124277	6,6047635	287,59766	109,28371		
19-12-2019 0:00	12:25:00	6,3231697	6,2336516	0,982666	594,53125	2,445052	6,6047635	291,5039	108,20304		
19-12-2019 0:00	12:26:00	6,288954	6,328342	0,982666	593,75	2,3946326	6,6079063	288,68274	108,90744		
19-12-2019 0:00	12:27:00	6,300094	6,289352	0,982666	593,3594	2,3952255	6,603906	287,9232	109,34598		
19-12-2019 0:00	12:28:00	6,262297	6,2782116	0,982666	589,35547	2,3916667	6,6024776	287,05515	109,34483		
19-12-2019 0:00	12:29:00	6,2396193	6,2475767	0,982666	594,53125	18,039524	6,6067634	287,54343	109,36312		
19-12-2019 0:00	12:30:00	6,2921367	6,2901473	0,982666	596,875	2,3875144	6,599906	291,1784	109,3015		
19-12-2019 0:00	12:31:00	6,2961154	6,2670717	0,982666	594,9219	2,3952255	6,59962	288,79123	109,74601		
19-12-2019 0:00	12:32:00	6,314417	6,2849755	0,982666	593,9453	2,397005	6,607049	287,38065	109,171364		
19-12-2019 0:00	12:33:00	6,320385	6,2821903	0,982666	592,48047	2,402937	6,604192	288,737	109,24829		
19-12-2019 0:00	12:34:00	6,2416086	6,2197266	0,982666	583,2031	2,402937	6,6033344	289,98483	108,29187		
19-12-2019 0:00	12:35:00	6,258319	6,277416	0,982666	594,8242	2,4082754	6,601049	287,0009	109,15354		
19-12-2019 0:00	12:36:00	6,2591147	6,2193284	0,982666	589,35547	2,4681857	6,6067634	291,9922	108,7606		
19-12-2019 0:00	12:37:00	6,2611036	6,255136	0,982666	592,77344	2,4290364	6,6036205	288,89975	109,592735		
19-12-2019 0:00	12:38:00	6,311234	6,2813945	0,982666	595,41016	2,3845487	6,6036205	287,27216	108,51913		
19-12-2019 0:00	12:39:00	6,2475767	6,2603083	0,982666	591,3086	2,3845487	6,596477	287,65192	107,94803		
19-12-2019 0:00	12:40:00	6,2511573	6,215748	0,982666	586,23047	2,3940394	6,6033344	285,9158	108,17714		
19-12-2019 0:00	12:41:00	6,240813	6,2790074	0,982666	595,01953	2,4242911	6,6056204	288,737	108,98078		
19-12-2019 0:00	12:42:00	6,2137585	6,1552734	0,982666	580,8594	2,4035301	6,613621	287,16364	108,07103		
19-12-2019 0:00	12:43:00	6,2961154	6,2312646	0,9819946	593,45703	2,445052	6,6047635	288,62848	109,3613		
19-12-2019 0:00	12:44:00	6,240415	6,2384257	0,9819946	597,65625	2,4272568	6,6047635	289,49655	108,23855		
19-12-2019 0:00	12:45:00	6,304868	6,246781	0,9819946	598,9258	2,4272568	6,6047635	288,68274	109,19212		
19-12-2019 0:00	12:46:00	6,2929325	6,2432003	0,9819946	594,8242	2,420732	6,6036205	285,8073	107,92964		
19-12-2019 0:00	12:47:00	6,257523	6,256727	0,9819946	596,875	2,4527633	6,600763	289,98483	110,537224		
19-12-2019 0:00	12:48:00	6,26548	6,2674694	0,9799805	592,48047	2,4302227	6,600763	289,55078	108,17345		
19-12-2019 0:00	12:49:00	6,234845	6,200629	0,9799805	587,59766	2,4219184	6,6053348	290,5816	107,66804		
19-12-2019 0:00	12:50:00	6,2869644	6,2332535	0,9810791	597,2656	2,4426794	6,601049	291,23264	108,19058		



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	6,27	6,26	0,98	592,30	2,69	6,60	290,31	108,58
DESV EST	0,03	0,03	0,00	4,32	2,00	0,00	3,08	0,68
DESV EST %	0,0049	0,0055	0,0016	0,0073	0,7421	0,0005	0,0106	0,0063
MAX	6,35	6,34	0,99	600,59	18,04	6,61	296,55	110,54
MIN	6,17	6,16	0,98	580,86	2,29	6,60	285,21	107,42

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	12:51:00	6,262297	6,241211	0,9810791	587,0117	2,424884	6,6021914	293,67404	108,46704
19-12-2019 0:00	12:52:00	6,2471786	6,2368345	0,9810791	591,3086	2,4782696	6,606192	293,24002	107,571495
19-12-2019 0:00	12:53:00	6,2336516	6,2447915	0,9810791	595,3125	2,4391203	6,606192	292,53473	107,41823
19-12-2019 0:00	12:54:00	6,258319	6,2901473	0,9810791	593,84766	2,500217	6,59762	293,34854	108,997826
19-12-2019 0:00	12:55:00	6,172779	6,2368345	0,9810791	589,9414	2,4189525	6,6064777	291,8837	107,91715
19-12-2019 0:00	12:56:00	6,240415	6,228877	0,9846802	592,96875	2,4468315	6,602763	291,9922	107,63183
19-12-2019 0:00	12:57:00	6,2475767	6,1807365	0,9846802	587,8906	2,4883535	6,602763	291,61243	108,44859
19-12-2019 0:00	12:58:00	6,25434	6,2312646	0,9819336	590,8203	2,4675925	6,604192	294,4336	108,37817
19-12-2019 0:00	12:59:00	6,2447915	6,2312646	0,9819336	590,03906	2,4563222	6,6079063	293,89108	108,21244
19-12-2019 0:00	13:00:00	6,277018	6,232856	0,9819336	597,46094	2,5275028	6,601049	296,5495	108,40888
19-12-2019 0:00	13:01:00	6,2571254	6,2384257	0,9819336	594,04297	2,4503906	6,6079063	292,04645	107,91363
19-12-2019 0:00	13:02:00	6,2595124	6,262297	0,9797974	595,8008	2,469372	6,6047635	291,8837	107,72408
19-12-2019 0:00	13:03:00	6,242802	6,2368345	0,9797974	596,28906	2,434968	6,606192	292,75174	107,66201
19-12-2019 0:00	13:04:00	6,305266	6,2332535	0,9797974	590,8203	2,434968	6,6036205	292,96875	108,41657
19-12-2019 0:00	13:05:00	6,2563295	6,235243	0,9797974	595,01953	2,4753036	6,6056204	294,21658	108,2024
19-12-2019 0:00	13:06:00	6,256727	6,3386865	0,9812622	600,3906	2,5275028	6,603906	296,5495	108,1626
19-12-2019 0:00	13:07:00	6,2471786	6,228877	0,9812622	591,9922	2,503776	6,6053348	295,19315	108,44971
19-12-2019 0:00	13:08:00	6,22649	6,201027	0,9812622	580,8594	2,465813	6,612764	291,39542	107,738335
19-12-2019 0:00	13:09:00	6,296513	6,2284794	0,9812622	590,8203	2,4895399	6,601906	292,48047	108,16448
19-12-2019 0:00	13:10:00	6,2471786	6,2873626	0,9812622	593,45703	2,4942853	6,59962	291,77518	108,072754
19-12-2019 0:00	13:11:00	6,300094	6,308847	0,9812622	600,58594	2,4753036	6,5970483	295,57294	108,00823
19-12-2019 0:00	13:12:00	6,249566	6,272244	0,9801636	597,2656	2,4978442	6,599906	295,57294	109,00078
19-12-2019 0:00	13:13:00	6,2790074	6,280599	0,9801636	593,3594	2,4842014	6,607049	291,72092	108,63383
19-12-2019 0:00	13:14:00	6,296513	6,283384	0,9801636	594,33594	2,4652197	6,605049	293,9453	108,11053
19-12-2019 0:00	13:15:00	6,258319	6,2702546	0,9801636	595,5078	2,5091145	6,6021914	293,13153	108,20474



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,60	49,2	23,3	1.007	951,5	14,9	470,8
DESV EST	0,0143	3	0,45	0,1911	0,324	0,03	2,5
DESV EST %		0,0537	0,0195	0,0002	0,0003	0,0022	0,0054
MAX	29,63	53,5	24,2	1.008	952,0	15,0	477,1
MIN	29,57	43,77	22,51	1007,01	951,06	14,88	465,06

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	13:45:00	29,620949	49,19705	23,394096	1007,31335	951,7506	14,910663	468,61978
19-12-2019 0:00	13:46:00	29,600693	49,641926	23,237846	1007,3351	951,7506	14,905237	468,61978
19-12-2019 0:00	13:47:00	29,600693	50,502747	23,113426	1007,40015	951,7506	14,898004	466,66666
19-12-2019 0:00	13:48:00	29,60648	50,947628	22,983215	1007,40015	951,7506	14,934173	465,06076
19-12-2019 0:00	13:49:00	29,580439	50,947628	22,899303	1007,40015	951,8374	15,002893	474,04514
19-12-2019 0:00	13:50:00	29,600693	51,25868	22,774883	1007,44354	951,8374	14,898004	467,96872
19-12-2019 0:00	13:51:00	29,618055	51,25868	22,667824	1007,48694	951,8374	14,964916	472,48264
19-12-2019 0:00	13:52:00	29,580439	51,743343	22,62442	1007,48694	951,8374	14,916088	470,6163
19-12-2019 0:00	13:53:00	29,615162	51,942272	22,581017	1007,5304	951,8374	14,916088	468,14233
19-12-2019 0:00	13:54:00	29,5978	51,511864	22,64178	1007,48694	951,8374	14,910663	468,14233
19-12-2019 0:00	13:55:00	29,623842	51,150173	22,844326	1007,50867	951,8374	14,890769	468,14233
19-12-2019 0:00	13:56:00	29,594906	50,368923	22,896412	1007,50867	951,8374	14,921513	472,30902
19-12-2019 0:00	13:57:00	29,615162	49,699795	23,055553	1007,5304	951,9676	14,87811	467,66492
19-12-2019 0:00	13:58:00	29,586226	49,699795	23,159721	1007,59546	951,9676	14,97215	475,1302
19-12-2019 0:00	13:59:00	29,592012	50,061485	23,208912	1007,55206	951,9676	14,9558735	473,00345
19-12-2019 0:00	14:00:00	29,586226	50,061485	23,101849	1007,55206	951,9676	14,997468	469,87845
19-12-2019 0:00	14:01:00	29,609373	52,860966	22,991898	1007,6172	951,9676	14,954065	472,2656
19-12-2019 0:00	14:02:00	29,5978	51,36357	23,026619	1007,59546	951,9676	14,903429	467,66492
19-12-2019 0:00	14:03:00	29,60648	49,82639	23,156826	1007,59546	951,9676	14,954065	472,2656
19-12-2019 0:00	14:04:00	29,580439	49,461082	23,28125	1007,59546	951,9676	15,00651	476,3889
19-12-2019 0:00	14:05:00	29,603586	49,13556	23,394096	1007,5304	951,8808	14,905237	473,13367
19-12-2019 0:00	14:06:00	29,574652	48,12283	23,599537	1007,5304	951,8808	14,977575	469,48782
19-12-2019 0:00	14:07:00	29,5978	46,958187	23,75	1007,48694	951,8808	14,946832	472,04858
19-12-2019 0:00	14:08:00	29,580439	45,916523	23,764465	1007,48694	951,8808	14,94864	472,092
19-12-2019 0:00	14:09:00	29,615162	45,916523	23,723957	1007,44354	951,6348	14,908854	469,96527
19-12-2019 0:00	14:10:00	29,615162	46,621815	23,608215	1007,48694	951,6348	14,937789	470,96353
19-12-2019 0:00	14:11:00	29,603586	46,469906	23,51273	1007,50867	951,6348	14,92513	470,96353
19-12-2019 0:00	14:12:00	29,574652	45,760994	23,469326	1007,55206	951,6348	14,952257	468,74997
19-12-2019 0:00	14:13:00	29,623842	46,82798	23,469326	1007,44354	951,6348	14,914279	470,8333
19-12-2019 0:00	14:14:00	29,583332	46,332466	23,59375	1007,40015	951,6348	14,928747	470,8333
19-12-2019 0:00	14:15:00	29,600693	46,542244	23,59375	1007,3784	951,6348	14,92513	474,26215
19-12-2019 0:00	14:16:00	29,586226	45,41739	23,770252	1007,2916	951,6348	14,937789	472,78644
19-12-2019 0:00	14:17:00	29,60648	44,694008	23,900463	1007,2916	951,6348	14,910663	477,1267
19-12-2019 0:00	14:18:00	29,583332	43,768085	24,131943	1007,22656	951,6348	14,92513	472,0052
19-12-2019 0:00	14:19:00	29,5978	43,768085	24,24479	1007,26996	951,4757	14,926938	473,13367
19-12-2019 0:00	14:20:00	29,609373	44,58912	24,221642	1007,26996	951,4757	14,90162	471,61456



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,60	49,2	23,3	1.007	951,5	14,9	470,8
DESV EST	0,0143	3	0,45	0,1911	0,324	0,03	2,5
DESV EST %		0,0537	0,0195	0,0002	0,0003	0,0022	0,0054
MAX	29,63	53,5	24,2	1.008	952,0	15,0	477,1
MIN	29,57	43,77	22,51	1007,01	951,06	14,88	465,06

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	14:21:00	29,574652	45,525898	24,184025	1007,22656	951,4757	14,984809	470,31247
19-12-2019 0:00	14:22:00	29,592012	45,10272	24,140625	1007,22656	951,4757	14,963107	472,56943
19-12-2019 0:00	14:23:00	29,615162	45,609085	24,010414	1007,22656	951,4757	14,92513	469,96527
19-12-2019 0:00	14:24:00	29,594906	46,59288	23,799187	1007,1831	951,30206	14,883535	471,83157
19-12-2019 0:00	14:25:00	29,594906	47,67795	23,570599	1007,1831	951,30206	14,894386	470,09546
19-12-2019 0:00	14:26:00	29,60648	48,289207	23,382523	1007,0963	951,30206	14,87811	468,35934
19-12-2019 0:00	14:27:00	29,589119	49,001736	23,318863	1007,11804	951,30206	14,898004	468,35934
19-12-2019 0:00	14:28:00	29,600693	49,428528	23,318863	1007,11804	951,30206	14,964916	476,04166
19-12-2019 0:00	14:29:00	29,60648	50,130207	23,321758	1007,16144	951,30206	14,8853445	467,10068
19-12-2019 0:00	14:30:00	29,615162	50,40509	23,382523	1007,16144	951,30206	14,890769	470,31247
19-12-2019 0:00	14:31:00	29,583332	49,58044	23,449074	1007,16144	951,30206	14,90162	469,3142
19-12-2019 0:00	14:32:00	29,600693	50,028934	23,449074	1007,11804	951,30206	14,896194	469,3142
19-12-2019 0:00	14:33:00	29,589119	50,028934	23,347801	1007,0529	951,30206	14,912471	469,3142
19-12-2019 0:00	14:34:00	29,603586	50,13744	23,23206	1007,0095	951,05615	14,914279	469,3142
19-12-2019 0:00	14:35:00	29,594906	51,218895	23,185764	1007,0095	951,05615	14,934173	476,7795
19-12-2019 0:00	14:36:00	29,565971	51,54803	23,119213	1007,0529	951,05615	14,94864	470,6163
19-12-2019 0:00	14:37:00	29,577545	51,041664	23,058449	1007,0529	951,05615	14,917896	469,3142
19-12-2019 0:00	14:38:00	29,583332	51,041664	23,026619	1007,0963	951,05615	14,966724	473,17706
19-12-2019 0:00	14:39:00	29,60648	51,978443	22,962963	1007,16144	951,05615	14,937789	471,44095
19-12-2019 0:00	14:40:00	29,594906	52,95139	22,78067	1007,11804	951,05615	14,916088	470,92014
19-12-2019 0:00	14:41:00	29,62963	53,13585	22,722801	1007,11804	951,05615	14,894386	469,74826
19-12-2019 0:00	14:42:00	29,580439	52,745224	22,612846	1007,0963	951,05615	14,921513	469,74826
19-12-2019 0:00	14:43:00	29,589119	53,515625	22,505787	1007,0963	951,05615	15,020978	469,74826
19-12-2019 0:00	14:44:00	29,586226	52,813946	22,59259	1007,07465	951,05615	14,908854	469,74826
19-12-2019 0:00	14:45:00	29,5978	52,813946	22,754627	1007,07465	951,05615	14,890769	467,5347



DATOS	61	61	61	61	61	61	61
PROMEDIO	22,1	11,3	57.306	14,6	580	571	572
DESV EST	0,36	0,0454	241	0,14	0,62	0,59	0,60
DESV EST %	0,0164	0,0040	0,0042	0,0098	0,0011	0,0010	0,0011
MAX	23,1	11,36	57.751	14,8	582	572	574
MIN	21,34	11,12	56713,65	14,40	579,30	569,90	570,90

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	13:45:00	22,231264	11,120023	56722,66	14,400009	580,10004	570,60004	571,60004
19-12-2019 0:00	13:46:00	21,52416	11,215583	57068,69	14,400009	579,7	570,4	571,4
19-12-2019 0:00	13:47:00	22,216797	11,241917	57434,83	14,400009	580,5	571	572
19-12-2019 0:00	13:48:00	22,383173	11,227912	57256,14	14,400009	580,7	571,2	572,2
19-12-2019 0:00	13:49:00	21,992548	11,3238325	57417,613	14,400009	579,7	570,4	571,4
19-12-2019 0:00	13:50:00	21,533203	11,22781	57053,617	14,400009	580,3	570,8	571,60004
19-12-2019 0:00	13:51:00	22,64359	11,253545	57313,875	14,400009	579,5	570,2	571,2
19-12-2019 0:00	13:52:00	22,082972	11,286654	57506,3	14,400009	580,10004	570,4	571,4
19-12-2019 0:00	13:53:00	22,267433	11,252139	57106,516	14,400009	580,3	570,8	571,8
19-12-2019 0:00	13:54:00	21,992548	11,243285	57153,027	14,5	580,5	571	571,8
19-12-2019 0:00	13:55:00	22,384983	11,251704	57208,02	14,5	580,3	571	571,8
19-12-2019 0:00	13:56:00	21,54767	11,275852	57407,625	14,5	580,3	570,7	571,60004
19-12-2019 0:00	13:57:00	21,920212	11,2227	56889,67	14,5	580,7	571,10004	572
19-12-2019 0:00	13:58:00	22,379557	11,31294	57607,98	14,5	581,10004	571,3	572,4
19-12-2019 0:00	13:59:00	22,56221	11,275943	57468,824	14,5	579,7	570,3	571,4
19-12-2019 0:00	14:00:00	21,824364	11,297601	57313,5	14,5	579,5	570,10004	571,2
19-12-2019 0:00	14:01:00	22,327112	11,208388	57086,69	14,5	579,3	569,9	570,9
19-12-2019 0:00	14:02:00	21,70139	11,244471	57275,535	14,5	579,5	569,9	570,9
19-12-2019 0:00	14:03:00	22,092014	11,195487	56957,53	14,5	579,3	569,9	570,9
19-12-2019 0:00	14:04:00	21,786386	11,285984	57434,223	14,5	580,9	571,3	572,10004
19-12-2019 0:00	14:05:00	21,949146	11,264279	57104,5	14,5	580,5	570,9	571,9
19-12-2019 0:00	14:06:00	21,498842	11,3075285	57632,54	14,600006	580,7	571,3	572,3
19-12-2019 0:00	14:07:00	22,086588	11,309759	57604,63	14,600006	580,7	571,3	572,10004
19-12-2019 0:00	14:08:00	21,856915	11,2493725	57379,12	14,600006	580,7	571,3	572,10004
19-12-2019 0:00	14:09:00	22,596571	11,167616	56911,766	14,600006	580,5	570,9	571,9
19-12-2019 0:00	14:10:00	22,026909	11,288281	57534,836	14,600006	580,7	571,3	572,3
19-12-2019 0:00	14:11:00	22,263817	11,168212	56827,652	14,600006	580,9	571,5	572,5
19-12-2019 0:00	14:12:00	22,336155	11,359926	57751,047	14,600006	581,3	571,7	572,7
19-12-2019 0:00	14:13:00	22,039568	11,251407	57108,195	14,600006	581,5	572,10004	573,10004
19-12-2019 0:00	14:14:00	21,601923	11,253858	57365,18	14,699997	581,3	571,7	572,7
19-12-2019 0:00	14:15:00	22,21137	11,272447	57332,02	14,699997	581,5	572,10004	573,10004
19-12-2019 0:00	14:16:00	21,976273	11,315287	57483,613	14,699997	581,3	571,7	572,9
19-12-2019 0:00	14:17:00	22,041376	11,208794	56979,844	14,699997	580,7	571,3	572,5
19-12-2019 0:00	14:18:00	23,068577	11,295482	57475,246	14,699997	580,9	571,5	572,5
19-12-2019 0:00	14:19:00	22,623697	11,214436	57233,52	14,699997	581,10004	571,5	572,5
19-12-2019 0:00	14:20:00	21,88766	11,245902	57272,094	14,699997	580,7	571,2	572,3



DATOS	61	61	61	61	61	61	61
PROMEDIO	22,1	11,3	57.306	14,6	580	571	572
DESV EST	0,36	0,0454	241	0,14	0,62	0,59	0,60
DESV EST %	0,0164	0,0040	0,0042	0,0098	0,0011	0,0010	0,0011
MAX	23,1	11,36	57.751	14,8	582	572	574
MIN	21,34	11,12	56713,65	14,40	579,30	569,90	570,90

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	14:21:00	22,641783	11,269396	57507,49	14,699997	581,9	572,4	573,5
19-12-2019 0:00	14:22:00	22,08478	11,301128	57424,93	14,699997	581,3	572	573,10004
19-12-2019 0:00	14:23:00	22,489872	11,165766	56713,645	14,699997	580,7	571,4	572,5
19-12-2019 0:00	14:24:00	21,764685	11,207111	57215,273	14,699997	580,3	571	572,10004
19-12-2019 0:00	14:25:00	22,035952	11,276268	57308,22	14,699997	581,10004	571,60004	572,7
19-12-2019 0:00	14:26:00	22,571253	11,237912	57400,46	14,699997	581,10004	571,60004	572,7
19-12-2019 0:00	14:27:00	22,415726	11,260247	57295,96	14,699997	581,5	572	573,10004
19-12-2019 0:00	14:28:00	22,498915	11,249328	57276,715	14,699997	581,3	572	572,9
19-12-2019 0:00	14:29:00	22,554977	11,249258	57258,96	14,699997	580,3	570,8	571,7
19-12-2019 0:00	14:30:00	21,79362	11,255869	57131,477	14,800003	580,5	571,2	572,10004
19-12-2019 0:00	14:31:00	22,652634	11,287335	57433,793	14,800003	580,5	571,10004	572,10004
19-12-2019 0:00	14:32:00	22,012442	11,292898	57338,71	14,800003	580,7	571,3	572,3
19-12-2019 0:00	14:33:00	22,039568	11,265071	57372,875	14,800003	579,9	570,5	571,60004
19-12-2019 0:00	14:34:00	22,167969	11,242265	57372,695	14,800003	579,7	570,3	571,4
19-12-2019 0:00	14:35:00	21,903934	11,312429	57561,48	14,800003	579,7	570,5	571,4
19-12-2019 0:00	14:36:00	22,111906	11,296479	57638,8	14,800003	579,9	570,7	571,8
19-12-2019 0:00	14:37:00	21,343315	11,254791	57477,92	14,800003	580,4	571,10004	572
19-12-2019 0:00	14:38:00	22,330729	11,191886	56820,973	14,800003	580	570,7	571,60004
19-12-2019 0:00	14:39:00	22,479021	11,27722	57341,17	14,800003	580,60004	571,10004	572
19-12-2019 0:00	14:40:00	22,384983	11,297822	57546,65	14,800003	579,8	570,5	571,4
19-12-2019 0:00	14:41:00	21,692347	11,264791	57319,08	14,800003	579,8	570,5	571,60004
19-12-2019 0:00	14:42:00	22,560402	11,297061	57595,176	14,800003	580,2	570,7	571,60004
19-12-2019 0:00	14:43:00	22,560402	11,349024	57678,906	14,800003	579,8	570,3	571,4
19-12-2019 0:00	14:44:00	21,538628	11,253885	57320,91	14,800003	580,2	570,7	571,60004
19-12-2019 0:00	14:45:00	22,021484	11,307003	57606,438	14,800003	580,4	570,7	571,8



DATOS	61	61	61	61	61	61	61
PROMEDIO	572	573	575	50,0	200	15,67	7,47
DESV EST	0,62	0,58	0,58	0,05	0,7	0,0094	0,0349
DESV EST %	0,0011	0,0010	0,0010	0,0009	0,0036	0,0006	0,0047
MAX	573	575	577	50,1	202	15,68	7,57
MIN	570,90	571,90	573,90	49,91	198,55	15,64	7,40

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	13:45:00	571,60004	572,9	574,5	50,058174	200,31248	15,673901	7,4678097
19-12-2019 0:00	13:46:00	571,60004	572,9	574,5	50,043907	199,72655	15,673901	7,4678097
19-12-2019 0:00	13:47:00	571,60004	572,4	574,5	50,06144	200,26909	15,647786	7,44911
19-12-2019 0:00	13:48:00	572,4	573,4	575,2	50,001392	199,42273	15,647786	7,44911
19-12-2019 0:00	13:49:00	571,60004	572,60004	574,3	50,10313	201,63628	15,647786	7,4483147
19-12-2019 0:00	13:50:00	571,60004	572,60004	574,3	50,031834	200,2257	15,675275	7,4483147
19-12-2019 0:00	13:51:00	571,60004	572,60004	574,3	50,062325	200,00867	15,675275	7,506004
19-12-2019 0:00	13:52:00	571,60004	572,2	574,3	50,070477	200,85503	15,675275	7,4678097
19-12-2019 0:00	13:53:00	571,60004	572,9	574,3	50,055622	199,70485	15,675275	7,4678097
19-12-2019 0:00	13:54:00	571,60004	572,9	574,9	50,08758	199,61804	15,647786	7,4678097
19-12-2019 0:00	13:55:00	572,2	572,9	574,9	50,05583	199,72655	15,647786	7,4705944
19-12-2019 0:00	13:56:00	572,2	572,9	574,9	50,0789	200,3776	15,647786	7,4705944
19-12-2019 0:00	13:57:00	572	572,9	574,9	50,057903	199,16232	15,6704645	7,39898
19-12-2019 0:00	13:58:00	572	573,4	574,9	50,07319	200,81163	15,6704645	7,505606
19-12-2019 0:00	13:59:00	571,5	573,4	574,5	50,054134	200,421	15,6704645	7,5155525
19-12-2019 0:00	14:00:00	571,5	572,4	574,5	50,047714	201,05034	15,6704645	7,498047
19-12-2019 0:00	14:01:00	571,5	572,4	573,9	50,06378	199,92186	15,6704645	7,4538846
19-12-2019 0:00	14:02:00	570,9	571,9	573,9	50,062935	198,55467	15,6704645	7,4538846
19-12-2019 0:00	14:03:00	570,9	571,9	573,9	50,065563	199,76996	15,6704645	7,445927
19-12-2019 0:00	14:04:00	571,4	572,9	575,10004	50,129715	200,92014	15,642976	7,498047
19-12-2019 0:00	14:05:00	572,2	572,9	575,10004	50,00801	201,13715	15,642976	7,574038
19-12-2019 0:00	14:06:00	572,2	573,4	575,10004	50,057854	201,09373	15,672526	7,5553384
19-12-2019 0:00	14:07:00	572,2	573,4	575,10004	50,038406	198,59808	15,672526	7,399378
19-12-2019 0:00	14:08:00	572,2	573,4	575,10004	50,0098	200,13889	15,672526	7,455078
19-12-2019 0:00	14:09:00	572,60004	573,4	575,10004	49,99274	198,8151	15,672526	7,418077
19-12-2019 0:00	14:10:00	572,60004	573,4	575,10004	50,0319	200,39929	15,672526	7,459852
19-12-2019 0:00	14:11:00	572,60004	573,4	575,4	49,988693	199,31422	15,672526	7,412905
19-12-2019 0:00	14:12:00	572,60004	573,4	575,4	50,06834	199,31422	15,653284	7,466218
19-12-2019 0:00	14:13:00	573,4	574,60004	576,4	49,963703	199,76996	15,653284	7,466218
19-12-2019 0:00	14:14:00	573,4	573,5	575,3	50,001156	200,3776	15,653284	7,466218
19-12-2019 0:00	14:15:00	573	573,5	575,9	50,003708	199,76996	15,653284	7,466218
19-12-2019 0:00	14:16:00	573	574,2	575,9	50,06189	199,44444	15,672526	7,468605
19-12-2019 0:00	14:17:00	573	573,4	575,9	49,942665	200,4861	15,672526	7,4471207
19-12-2019 0:00	14:18:00	572,5	573,4	575,10004	49,995323	199,87846	15,672526	7,4471207
19-12-2019 0:00	14:19:00	572,5	573,4	575,10004	50,042053	199,94357	15,672526	7,4471207
19-12-2019 0:00	14:20:00	572,5	573,4	575,60004	49,964638	199,57465	15,672526	7,4471207



DATOS	61	61	61	61	61	61	61
PROMEDIO	572	573	575	50,0	200	15,67	7,47
DESV EST	0,62	0,58	0,58	0,05	0,7	0,0094	0,0349
DESV EST %	0,0011	0,0010	0,0010	0,0009	0,0036	0,0006	0,0047
MAX	573	575	577	50,1	202	15,68	7,57
MIN	570,90	571,90	573,90	49,91	198,55	15,64	7,40

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	14:21:00	573,3	574,4	575,60004	49,956272	200,61632	15,672526	7,4650245
19-12-2019 0:00	14:22:00	573,3	574,4	576	49,97919	200,78992	15,672526	7,4650245
19-12-2019 0:00	14:23:00	573,3	573,4	576	49,948452	199,29253	15,672526	7,449906
19-12-2019 0:00	14:24:00	572,5	573,4	575,2	49,954643	199,83507	15,672526	7,4701967
19-12-2019 0:00	14:25:00	572,5	573,4	575,2	50,00382	199,68315	15,672526	7,4168835
19-12-2019 0:00	14:26:00	572,5	573,4	575,2	49,983746	200,03038	15,660156	7,4479165
19-12-2019 0:00	14:27:00	573,10004	574	575,7	50,054943	200,98523	15,660156	7,509585
19-12-2019 0:00	14:28:00	573,10004	574	576,5	50,033566	199,87846	15,660156	7,44911
19-12-2019 0:00	14:29:00	572	572,8	575,3	50,036873	199,87846	15,660156	7,445132
19-12-2019 0:00	14:30:00	572	572,8	575,3	50,011246	199,16232	15,660156	7,4701967
19-12-2019 0:00	14:31:00	572	573,10004	574,9	50,01556	200,20398	15,660156	7,4144964
19-12-2019 0:00	14:32:00	572,4	573,10004	574,9	49,988403	199,50954	15,668403	7,5000362
19-12-2019 0:00	14:33:00	572,4	573,10004	574,9	49,9735	200,05208	15,668403	7,5008316
19-12-2019 0:00	14:34:00	571,60004	572,4	574,9	49,963306	200,24739	15,668403	7,466616
19-12-2019 0:00	14:35:00	571,60004	572,4	574,3	50,02267	200,74652	15,668403	7,466616
19-12-2019 0:00	14:36:00	571,60004	572,4	574,3	50,0252	201,33246	15,668403	7,53465
19-12-2019 0:00	14:37:00	571,60004	572,4	574,9	50,054363	200,89842	15,668403	7,506402
19-12-2019 0:00	14:38:00	572,10004	573,10004	574,9	50,090393	200,74652	15,668403	7,4658203
19-12-2019 0:00	14:39:00	572,10004	573,10004	574,9	50,020317	200,65971	15,668403	7,4658203
19-12-2019 0:00	14:40:00	572,10004	572,60004	574,9	49,962517	200,3559	15,668403	7,498047
19-12-2019 0:00	14:41:00	571,7	572,60004	574,60004	49,913948	199,74826	15,668403	7,427228
19-12-2019 0:00	14:42:00	571,7	572,60004	574,60004	50,00486	199,57465	15,668403	7,503617
19-12-2019 0:00	14:43:00	571,7	572,60004	574,60004	50,078842	202,26561	15,668403	7,530671
19-12-2019 0:00	14:44:00	571,7	572,60004	574,2	50,001682	200,92014	15,668403	7,525897
19-12-2019 0:00	14:45:00	571,7	572,60004	575,10004	50,096436	199,68315	15,668403	7,467014





DATOS	61	61	61	61	61	61	61
PROMEDIO	7,45	7,50	0,9766	699	3,66	6,684	394
DESV EST	0,0321	0,0423	0,0018	3,8	0,0143	0,002	1,0
DESV EST %	0,0043	0,0056	0,0018	0,0054	0,0039	0,0002	0,0025
MAX	7,55	7,59	0,9791	707	3,69	6,688	397
MIN	7,37	7,41	0,97	689,94	3,63	6,68	391,87

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	13:45:00	7,445132	7,4399595	0,9790649	693,65234	3,6485965	6,682769	393,88022
19-12-2019 0:00	13:46:00	7,445132	7,4626374	0,9790649	693,65234	3,6485965	6,686769	393,88022
19-12-2019 0:00	13:47:00	7,445132	7,4988427	0,9790649	693,65234	3,6485965	6,685055	393,88022
19-12-2019 0:00	13:48:00	7,4324	7,503617	0,9790649	699,21875	3,6699507	6,683912	393,88022
19-12-2019 0:00	13:49:00	7,424045	7,4626374	0,9790649	689,9414	3,6699507	6,683912	393,88022
19-12-2019 0:00	13:50:00	7,4172816	7,496455	0,9790649	696,09375	3,6545281	6,683912	393,88022
19-12-2019 0:00	13:51:00	7,4479165	7,496455	0,9790649	696,09375	3,6545281	6,683912	393,88022
19-12-2019 0:00	13:52:00	7,4479165	7,5800056	0,9790649	696,09375	3,6545281	6,683912	394,85678
19-12-2019 0:00	13:53:00	7,4479165	7,491681	0,9777222	696,09375	3,6545281	6,683912	394,85678
19-12-2019 0:00	13:54:00	7,4479165	7,494864	0,9777222	703,71094	3,6545281	6,683912	394,85678
19-12-2019 0:00	13:55:00	7,4479165	7,494864	0,9777222	697,2656	3,6545281	6,683912	394,85678
19-12-2019 0:00	13:56:00	7,4479165	7,494864	0,9777222	697,2656	3,6545281	6,683912	394,1515
19-12-2019 0:00	13:57:00	7,374313	7,508789	0,9777222	696,4844	3,6545281	6,682483	394,1515
19-12-2019 0:00	13:58:00	7,451895	7,455078	0,9777222	692,08984	3,6835938	6,682483	394,1515
19-12-2019 0:00	13:59:00	7,4896917	7,589952	0,9777222	699,02344	3,646817	6,6861978	395,12805
19-12-2019 0:00	14:00:00	7,440357	7,5183377	0,9777222	697,3633	3,68478	6,684769	395,12805
19-12-2019 0:00	14:01:00	7,440357	7,4705944	0,9777222	697,3633	3,656901	6,684769	395,12805
19-12-2019 0:00	14:02:00	7,440357	7,49566	0,9777222	697,3633	3,656901	6,6821976	395,12805
19-12-2019 0:00	14:03:00	7,4232492	7,49566	0,9777222	697,3633	3,656901	6,6821976	395,12805
19-12-2019 0:00	14:04:00	7,4610457	7,49566	0,9777222	697,3633	3,674696	6,6861978	395,12805
19-12-2019 0:00	14:05:00	7,549371	7,5800056	0,9777222	695,9961	3,674696	6,6833405	395,12805
19-12-2019 0:00	14:06:00	7,539822	7,587565	0,9777222	701,9531	3,626056	6,6833405	395,12805
19-12-2019 0:00	14:07:00	7,4331956	7,4061413	0,9769287	701,3672	3,6491897	6,6833405	395,12805
19-12-2019 0:00	14:08:00	7,452293	7,520725	0,9769287	696,4844	3,6491897	6,6833405	393,93448
19-12-2019 0:00	14:09:00	7,452293	7,43797	0,9769287	698,53516	3,6491897	6,687912	393,93448
19-12-2019 0:00	14:10:00	7,452293	7,4960575	0,9744873	698,53516	3,6586804	6,68134	393,93448
19-12-2019 0:00	14:11:00	7,452293	7,4960575	0,9744873	701,3672	3,6586804	6,6833405	395,23657
19-12-2019 0:00	14:12:00	7,452293	7,4960575	0,9744873	701,3672	3,6337674	6,6856265	393,60895
19-12-2019 0:00	14:13:00	7,452691	7,486111	0,9765015	700,4883	3,6586804	6,684769	393,60895
19-12-2019 0:00	14:14:00	7,452691	7,486111	0,9765015	693,5547	3,6586804	6,684769	394,9653
19-12-2019 0:00	14:15:00	7,430411	7,486111	0,9765015	698,8281	3,6586804	6,684769	394,9653
19-12-2019 0:00	14:16:00	7,430411	7,468605	0,9765015	697,2656	3,6586804	6,685055	394,9653
19-12-2019 0:00	14:17:00	7,430411	7,468605	0,9765015	698,2422	3,6586804	6,685055	394,9653
19-12-2019 0:00	14:18:00	7,4391637	7,468605	0,9788208	695,1172	3,6586804	6,685055	394,9653
19-12-2019 0:00	14:19:00	7,4391637	7,4586587	0,9788208	695,1172	3,6586804	6,685055	394,9653
19-12-2019 0:00	14:20:00	7,4391637	7,441153	0,9788208	695,1172	3,68478	6,6833405	394,9653



DATOS	61	61	61	61	61	61	61
PROMEDIO	7,45	7,50	0,9766	699	3,66	6,684	394
DESV EST	0,0321	0,0423	0,0018	3,8	0,0143	0,002	1,0
DESV EST %	0,0043	0,0056	0,0018	0,0054	0,0039	0,0002	0,0025
MAX	7,55	7,59	0,9791	707	3,69	6,688	397
MIN	7,37	7,41	0,97	689,94	3,63	6,68	391,87

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	14:21:00	7,4391637	7,498047	0,975647	700,97656	3,664612	6,6810546	394,9653
19-12-2019 0:00	14:22:00	7,4530888	7,498047	0,975647	692,08984	3,664612	6,6821976	394,9653
19-12-2019 0:00	14:23:00	7,4530888	7,4423466	0,975647	698,33984	3,664612	6,6864834	394,9653
19-12-2019 0:00	14:24:00	7,4530888	7,5780163	0,975647	700,78125	3,6402922	6,683626	391,87283
19-12-2019 0:00	14:25:00	7,4530888	7,5155525	0,975647	700,78125	3,6402922	6,6853404	392,90366
19-12-2019 0:00	14:26:00	7,418475	7,4900894	0,975647	697,0703	3,6402922	6,6853404	392,90366
19-12-2019 0:00	14:27:00	7,4602504	7,4900894	0,975647	697,0703	3,6402922	6,6853404	392,90366
19-12-2019 0:00	14:28:00	7,4602504	7,4900894	0,975647	698,0469	3,6663916	6,683912	394,80252
19-12-2019 0:00	14:29:00	7,432798	7,4900894	0,975647	703,22266	3,6663916	6,683912	394,80252
19-12-2019 0:00	14:30:00	7,432798	7,4900894	0,975647	695,8008	3,6272423	6,683912	392,79517
19-12-2019 0:00	14:31:00	7,4586587	7,4900894	0,9765625	702,4414	3,688339	6,6821976	392,79517
19-12-2019 0:00	14:32:00	7,4586587	7,4900894	0,9765625	703,22266	3,6349535	6,6790543	394,26
19-12-2019 0:00	14:33:00	7,4586587	7,522316	0,9749756	703,22266	3,6349535	6,6833405	394,26
19-12-2019 0:00	14:34:00	7,4586587	7,511972	0,9749756	703,22266	3,6657984	6,6833405	394,26
19-12-2019 0:00	14:35:00	7,4586587	7,511972	0,9749756	703,22266	3,626056	6,6861978	394,26
19-12-2019 0:00	14:36:00	7,5386286	7,511972	0,9735107	699,8047	3,6485965	6,685055	397,4067
19-12-2019 0:00	14:37:00	7,428819	7,5521555	0,9735107	702,14844	3,664019	6,685055	394,7483
19-12-2019 0:00	14:38:00	7,4877024	7,5155525	0,977356	702,14844	3,664019	6,687055	396,48438
19-12-2019 0:00	14:39:00	7,4324	7,5863714	0,977356	698,2422	3,6420717	6,685055	396,48438
19-12-2019 0:00	14:40:00	7,542607	7,4928746	0,9730225	707,03125	3,6420717	6,685055	393,0664
19-12-2019 0:00	14:41:00	7,430411	7,4960575	0,9730225	707,22656	3,6420717	6,685055	393,0664
19-12-2019 0:00	14:42:00	7,5418115	7,5919414	0,9730225	707,22656	3,6580873	6,685055	394,7483
19-12-2019 0:00	14:43:00	7,4487123	7,5943284	0,9730225	698,8281	3,6580873	6,682769	394,7483
19-12-2019 0:00	14:44:00	7,5016274	7,59035	0,9750366	704,8828	3,677662	6,683912	395,83334
19-12-2019 0:00	14:45:00	7,452691	7,5179396	0,9750366	701,66016	3,677662	6,683912	395,83334



DATOS	61	61	61	61	61	61	61	61	61
PROMEDIO	196,5	83,61	21,0	0,806	45,5	61,9	182,2	13,07	13,07
DESV EST	0,8	0,87	0,05	0,008	0,17	0,54	0,48	0,03	0,03
DESV EST %	0,0041	0,0105	0,0025	0,0101	0,0038	0,0088	0,0026	0,0026	0,0026
MAX	198,0	85,51	21,1	0,832	45,8	63,0	183,1	13,17	13,17
MIN	194,64	82,24	20,88	0,78	45,06	61,24	181,04	13,00	13,00

UNIT LOAD SETPOINT GT		F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR	
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	13:45:00	196,31549	82,88416	21,06988	0,8033329	45,70936	61,595608	182,7691	13,092424
19-12-2019 0:00	13:46:00	196,05092	83,207985	21,062284	0,8095741	45,70764	61,50724	182,43924	13,092424
19-12-2019 0:00	13:47:00	195,54466	82,58773	21,07205	0,8095741	45,45815	61,58817	182,43924	13,092424
19-12-2019 0:00	13:48:00	195,50246	82,6589	21,035158	0,8095741	45,481674	61,65765	182,6389	13,092424
19-12-2019 0:00	13:49:00	197,5885	83,411285	21,121964	0,799419	45,681263	61,580936	182,94272	13,11483
19-12-2019 0:00	13:50:00	195,96648	82,80883	21,068794	0,8039879	45,737034	61,577568	182,59549	13,1078615
19-12-2019 0:00	13:51:00	196,00633	82,26879	21,06988	0,8096324	45,464775	61,756046	182,59549	13,073513
19-12-2019 0:00	13:52:00	197,66963	82,93279	21,111113	0,8096324	45,412292	61,75504	182,59549	13,100639
19-12-2019 0:00	13:53:00	195,81636	83,21131	21,030817	0,8096324	45,62387	61,321625	182,49133	13,0934
19-12-2019 0:00	13:54:00	195,81221	83,09353	21,053604	0,817509	45,762062	61,859383	182,49133	13,091499
19-12-2019 0:00	13:55:00	196,22571	82,64032	21,053604	0,7957307	45,54758	61,671764	182,60417	13,091499
19-12-2019 0:00	13:56:00	196,78462	83,58082	21,094835	0,8090585	45,431446	61,641727	182,60417	13,091499
19-12-2019 0:00	13:57:00	195,29729	82,82842	21,099176	0,8090585	45,78511	61,863247	183,09897	13,13475
19-12-2019 0:00	13:58:00	197,16931	83,08655	21,097006	0,8090585	45,419792	61,743977	182,42189	13,079486
19-12-2019 0:00	13:59:00	197,6637	83,02093	21,08073	0,8172781	45,366837	61,811398	182,83855	13,105203
19-12-2019 0:00	14:00:00	197,12685	83,67044	21,112198	0,8056384	45,516964	61,667572	182,98611	13,102115
19-12-2019 0:00	14:01:00	196,18478	83,334335	21,111113	0,8024958	45,814777	61,71138	183,01216	13,102115
19-12-2019 0:00	14:02:00	196,21292	82,94355	21,090496	0,8033872	45,498894	61,909657	182,7691	13,066837
19-12-2019 0:00	14:03:00	196,7769	82,92647	21,048178	0,8141064	45,44303	61,619244	182,49133	13,098093
19-12-2019 0:00	14:04:00	197,16669	83,679405	21,09592	0,8065868	45,455147	61,604668	182,82986	13,098093
19-12-2019 0:00	14:05:00	198,03355	83,229675	21,107857	0,8086226	45,32616	61,49861	182,59549	13,098093
19-12-2019 0:00	14:06:00	197,25137	83,14288	21,050348	0,8043328	45,268658	61,74525	182,25696	13,068667
19-12-2019 0:00	14:07:00	195,83391	83,32356	21,035158	0,7894298	45,793964	61,28595	182,44792	13,085751
19-12-2019 0:00	14:08:00	196,61812	83,73453	21,077475	0,8077882	45,57855	61,3288	182,44792	13,085751
19-12-2019 0:00	14:09:00	194,64568	82,54873	20,985245	0,8034577	45,600494	61,53829	182,44792	13,056125
19-12-2019 0:00	14:10:00	195,22899	83,187256	21,050348	0,8034577	45,554966	61,371662	182,44792	13,0893545
19-12-2019 0:00	14:11:00	195,66147	83,47622	21,028646	0,8034577	45,59146	61,439754	182,08334	13,064026
19-12-2019 0:00	14:12:00	197,26146	83,252495	21,031902	0,8317683	45,06268	61,70979	181,91841	13,064026
19-12-2019 0:00	14:13:00	196,02565	84,35506	20,960287	0,8075202	45,55503	61,49081	182,31772	13,073587
19-12-2019 0:00	14:14:00	196,60329	84,494774	21,028646	0,8182814	45,524662	61,343533	182,31772	13,073587
19-12-2019 0:00	14:15:00	195,5417	85,50508	20,99067	0,8098366	45,4103	61,440086	182,25696	13,06156
19-12-2019 0:00	14:16:00	196,26117	84,495476	21,024307	0,8134357	45,641857	61,811607	182,44792	13,08145
19-12-2019 0:00	14:17:00	195,64165	83,96118	20,981989	0,7957078	45,20227	61,410645	182,44792	13,065084
19-12-2019 0:00	14:18:00	196,74654	84,20211	20,971138	0,8069746	45,301754	61,3744	182,16147	13,045298
19-12-2019 0:00	14:19:00	196,12883	84,736855	20,991755	0,8069746	45,595997	61,491074	182,16147	13,068204
19-12-2019 0:00	14:20:00	195,80212	84,148506	20,92231	0,8069746	45,146957	61,579273	181,91841	13,068204



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	196,5	83,61	21,0	0,806	45,5	61,9	182,2	13,07
DESV EST	0,8	0,87	0,05	0,008	0,17	0,54	0,48	0,03
DESV EST %	0,0041	0,0105	0,0025	0,0101	0,0038	0,0088	0,0026	0,0026
MAX	198,0	85,51	21,1	0,832	45,8	63,0	183,1	13,17
MIN	194,64	82,24	20,88	0,78	45,06	61,24	181,04	13,00

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	14:21:00	197,06767	84,265045	21,002605	0,7941422	45,094166	61,421024	182,13542	13,054307
19-12-2019 0:00	14:22:00	197,93123	84,870705	21,004776	0,8118692	45,226513	61,286278	182,43056	13,080459
19-12-2019 0:00	14:23:00	196,19975	84,458565	20,94835	0,8071661	45,364414	61,290623	182,1441	13,0468
19-12-2019 0:00	14:24:00	195,36215	84,2752	21,00152	0,7841992	45,135715	61,241486	182,10071	13,0468
19-12-2019 0:00	14:25:00	196,62677	84,906334	20,99067	0,8319652	45,39214	61,4685	182,10071	13,081478
19-12-2019 0:00	14:26:00	196,75818	83,27643	20,970053	0,8125775	45,43045	61,48853	182,07466	13,04978
19-12-2019 0:00	14:27:00	197,37648	82,236885	21,067709	0,8026052	45,46217	61,842136	182,49133	13,07991
19-12-2019 0:00	14:28:00	196,95052	83,0182	21,07856	0,8015527	45,597565	61,7346	182,49133	13,068276
19-12-2019 0:00	14:29:00	196,65701	82,9861	21,014542	0,8015527	45,609596	61,574223	182,25696	13,068276
19-12-2019 0:00	14:30:00	195,76015	83,17995	20,99284	0,8018057	45,55432	61,59024	182,69966	13,083805
19-12-2019 0:00	14:31:00	196,57057	82,55402	20,99284	0,8033147	45,290943	62,975468	181,59723	13,038288
19-12-2019 0:00	14:32:00	196,38237	82,807724	20,960287	0,8075584	45,306004	62,664818	181,59723	13,0200205
19-12-2019 0:00	14:33:00	195,70251	83,868576	20,960287	0,8075584	45,552864	62,40261	181,39758	12,998345
19-12-2019 0:00	14:34:00	195,82144	83,19741	20,98633	0,8075584	45,385414	62,92339	181,39758	13,017908
19-12-2019 0:00	14:35:00	196,55835	82,56192	20,988499	0,7988474	45,31706	62,945873	181,44966	13,009906
19-12-2019 0:00	14:36:00	197,17227	83,08319	21,00369	0,799073	45,51673	62,594498	181,59723	13,016711
19-12-2019 0:00	14:37:00	196,17021	83,73351	21,028646	0,7965816	45,407326	62,751453	181,64064	13,016711
19-12-2019 0:00	14:38:00	197,09683	83,09313	21,120878	0,7965816	45,423843	62,97252	181,98785	13,036934
19-12-2019 0:00	14:39:00	197,53883	84,1019	21,025393	0,8034994	45,38286	62,739983	181,56252	13,036934
19-12-2019 0:00	14:40:00	197,66547	85,06864	20,960287	0,8034994	45,238544	62,734886	181,04167	13,008081
19-12-2019 0:00	14:41:00	195,84305	85,2161	20,884333	0,8034994	45,52766	62,56371	181,21529	13,008081
19-12-2019 0:00	14:42:00	196,83014	85,429985	21,013456	0,8034994	45,348045	62,675823	181,62328	13,002909
19-12-2019 0:00	14:43:00	197,75558	85,2942	21,00369	0,7995469	45,48333	62,982212	181,44966	13,02358
19-12-2019 0:00	14:44:00	197,17084	84,99302	21,00369	0,8191283	45,29864	62,552418	181,79689	13,042245
19-12-2019 0:00	14:45:00	194,64305	85,2241	21,029732	0,7980161	45,37881	62,816067	181,72743	13,170898



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	72,62	0,21	8,50	16,67	1.907,41	92,65	91,37	24,96
DESV EST	0,19	0,09	0,30	0,08	15,44	0,12	0,12	0,04
DESV EST %	0,0026	0,4386	0,0357	0,0047	0,0081	0,0013	0,0013	0,0016
MAX	73,01	0,45	9,14	16,85	1938,09	92,84	91,55	25,02
MIN	72,20	0,10	7,82	16,46	1882,58	92,47	91,19	24,88

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01	11LAF10CF001  XQ01	11LCA31CF001  XQ01	11LCA30CP001  XQ01	10LAA10FL901  XQ01	10LBA10FP004  XQ01	10MAA50CP001  XQ01	10LBC10FP911  XQ01
		BAR	kg/s	kg/s	BAR	mm	bar	bar	bar
19-12-2019 0:00	13:45:00	72,764755	0,3332859	7,8174777	16,716581	1934,0491	92,476	91,18634	24,884262
19-12-2019 0:00	13:46:00	72,69965	0,2119365	8,264364	16,753473	1936,0988	92,476	91,18634	24,908857
19-12-2019 0:00	13:47:00	72,77922	0,2883435	8,997784	16,678604	1938,0894	92,476	91,18634	24,908857
19-12-2019 0:00	13:48:00	72,77922	0,2119445	8,028518	16,750217	1927,7651	92,476	91,18634	24,908857
19-12-2019 0:00	13:49:00	72,83347	0,3748599	8,329314	16,786026	1925,7732	92,499176	91,18634	24,908857
19-12-2019 0:00	13:50:00	72,83347	0,1167948	8,380876	16,77626	1926,6084	92,52579	91,26157	24,908857
19-12-2019 0:00	13:51:00	72,70689	0,2631027	8,637804	16,693794	1924,3137	92,52579	91,26157	24,908857
19-12-2019 0:00	13:52:00	72,79008	0,1636513	8,484471	16,71875	1922,643	92,52579	91,26157	24,908857
19-12-2019 0:00	13:53:00	72,79008	0,1361955	8,561076	16,70139	1916,5718	92,52579	91,26157	24,908857
19-12-2019 0:00	13:54:00	72,72135	0,1633631	8,50075	16,742622	1920,0104	92,52579	91,26157	24,908857
19-12-2019 0:00	13:55:00	72,775604	0,15534	8,134278	16,70139	1920,096	92,49558	91,26157	24,908857
19-12-2019 0:00	13:56:00	72,64902	0,3411878	8,667679	16,69488	1911,8047	92,49558	91,22106	24,908857
19-12-2019 0:00	13:57:00	73,01432	0,2874331	8,3216505	16,840279	1913,0077	92,49558	91,22106	24,908857
19-12-2019 0:00	13:58:00	72,70327	0,131781	9,114872	16,71007	1918,5981	92,47198	91,22106	24,908857
19-12-2019 0:00	13:59:00	72,70689	0,3819676	8,7371235	16,706816	1910,39	92,50462	91,22106	24,908857
19-12-2019 0:00	14:00:00	72,85156	0,3559743	8,693758	16,7806	1903,759	92,54722	91,22106	24,931278
19-12-2019 0:00	14:01:00	72,93475	0,1158213	8,85121	16,769749	1904,1693	92,58156	91,30787	24,931278
19-12-2019 0:00	14:02:00	72,764755	0,212814	8,480531	16,695965	1905,6599	92,58156	91,30787	24,931278
19-12-2019 0:00	14:03:00	72,764755	0,4138756	8,136729	16,685114	1897,435	92,60961	91,30787	24,931278
19-12-2019 0:00	14:04:00	72,83347	0,1646809	8,298782	16,852215	1898,4594	92,605194	91,30787	24,931278
19-12-2019 0:00	14:05:00	72,86603	0,3055575	8,741394	16,716581	1900,822	92,595375	91,30787	24,931278
19-12-2019 0:00	14:06:00	72,634544	0,2393033	8,456461	16,678604	1895,7872	92,56178	91,30787	24,931278
19-12-2019 0:00	14:07:00	72,70689	0,1640389	8,775527	16,715496	1890,6721	92,59286	91,30787	24,931278
19-12-2019 0:00	14:08:00	72,70689	0,1716869	8,833843	16,761068	1893,4923	92,61649	91,34837	24,956566
19-12-2019 0:00	14:09:00	72,63093	0,1314351	8,648992	16,648222	1892,589	92,643425	91,34837	24,956566
19-12-2019 0:00	14:10:00	72,775604	0,1782233	8,317893	16,71224	1882,5786	92,66708	91,34837	24,956566
19-12-2019 0:00	14:11:00	72,62008	0,1619179	8,144873	16,726347	1884,3528	92,66708	91,41203	24,956566
19-12-2019 0:00	14:12:00	72,62008	0,3102103	7,9347663	16,606989	1887,6844	92,68932	91,41203	24,956566
19-12-2019 0:00	14:13:00	72,65263	0,16653	8,604715	16,566841	1885,7324	92,68932	91,41203	24,956566
19-12-2019 0:00	14:14:00	72,65263	0,1449762	8,081932	16,604818	1883,2838	92,721085	91,41203	24,956566
19-12-2019 0:00	14:15:00	72,6454	0,1684918	8,978437	16,639542	1892,9097	92,721085	91,446754	24,956566
19-12-2019 0:00	14:16:00	72,80093	0,1016568	8,919835	16,669922	1898,4913	92,7512	91,446754	24,986982
19-12-2019 0:00	14:17:00	72,65625	0,1306633	8,453245	16,579863	1899,9927	92,7672	91,446754	24,986982
19-12-2019 0:00	14:18:00	72,55859	0,1292285	8,108801	16,548395	1900,259	92,79681	91,49884	24,986982
19-12-2019 0:00	14:19:00	72,69242	0,1780694	8,614214	16,62435	1903,1345	92,79681	91,49884	24,986982
19-12-2019 0:00	14:20:00	72,547745	0,1272949	8,650567	16,571182	1910,509	92,79681	91,49884	24,986982



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	72,62	0,21	8,50	16,67	1.907,41	92,65	91,37	24,96
DESV EST	0,19	0,09	0,30	0,08	15,44	0,12	0,12	0,04
DESV EST %	0,0026	0,4386	0,0357	0,0047	0,0081	0,0013	0,0013	0,0016
MAX	73,01	0,45	9,14	16,85	1938,09	92,84	91,55	25,02
MIN	72,20	0,10	7,82	16,46	1882,58	92,47	91,19	24,88

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	14:21:00	72,65625	0,111835	8,301349	16,583117	1908,6371	92,78116	91,49884	24,986982
19-12-2019 0:00	14:22:00	72,65625	0,3874337	8,492474	16,61567	1913,3812	92,82438	91,55093	24,986982
19-12-2019 0:00	14:23:00	72,6454	0,1546102	7,997034	16,62435	1920,916	92,82438	91,55093	24,986982
19-12-2019 0:00	14:24:00	72,50434	0,1899007	8,901632	16,55816	1922,6344	92,83918	91,55093	25,020094
19-12-2019 0:00	14:25:00	72,63093	0,4549198	8,434217	16,621094	1920,9532	92,83918	91,55093	25,020094
19-12-2019 0:00	14:26:00	72,63093	0,2538617	8,47047	16,659073	1926,9496	92,811646	91,55093	25,020094
19-12-2019 0:00	14:27:00	72,63093	0,1074432	8,003321	16,685114	1929,2957	92,78105	91,55093	25,020094
19-12-2019 0:00	14:28:00	72,728584	0,0998568	8,471473	16,702475	1924,7095	92,75531	91,4699	25,020094
19-12-2019 0:00	14:29:00	72,728584	0,1916868	8,371907	16,722006	1923,0823	92,77702	91,4699	25,020094
19-12-2019 0:00	14:30:00	72,728584	0,1500109	8,764183	16,673178	1924,4269	92,80075	91,49884	25,020094
19-12-2019 0:00	14:31:00	72,51157	0,2942628	8,83951	16,637371	1924,6697	92,76533	91,49884	25,020094
19-12-2019 0:00	14:32:00	72,26924	0,2417932	8,506618	16,661242	1914,1957	92,76533	91,49884	25,020094
19-12-2019 0:00	14:33:00	72,26924	0,1287262	9,138731	16,653646	1911,9044	92,76533	91,49884	25,020094
19-12-2019 0:00	14:34:00	72,26924	0,3136856	8,825114	16,653646	1911,6846	92,75133	91,49884	24,989584
19-12-2019 0:00	14:35:00	72,26924	0,1268309	8,529285	16,642796	1906,0521	92,73306	91,446754	24,989584
19-12-2019 0:00	14:36:00	72,25839	0,1160829	8,536199	16,674263	1896,5626	92,70494	91,446754	24,989584
19-12-2019 0:00	14:37:00	72,3669	0,1763051	8,709411	16,674263	1893,1676	92,70494	91,446754	24,989584
19-12-2019 0:00	14:38:00	72,4754	0,1397811	8,985103	16,754559	1891,9778	92,6808	91,446754	24,989584
19-12-2019 0:00	14:39:00	72,417534	0,1753781	8,515481	16,54731	1888,3914	92,6808	91,3831	24,989584
19-12-2019 0:00	14:40:00	72,1969	0,3440425	8,316355	16,462675	1884,3134	92,632835	91,3831	24,941406
19-12-2019 0:00	14:41:00	72,1969	0,1578233	8,389725	16,520184	1886,7369	92,61829	91,3831	24,941406
19-12-2019 0:00	14:42:00	72,40307	0,1138601	8,451599	16,571182	1889,731	92,59279	91,325226	24,941406
19-12-2019 0:00	14:43:00	72,40307	0,189315	8,199484	16,533203	1893,2871	92,59279	91,325226	24,941406
19-12-2019 0:00	14:44:00	72,40307	0,1450281	8,53959	16,574436	1892,8273	92,57782	91,325226	24,941406
19-12-2019 0:00	14:45:00	72,36328	0,2337451	8,151061	16,601562	1893,763	92,5391	91,325226	24,941406



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	24,08	23,70	2,74	3,50	2,70	2,87	0,05	528,26
DESV EST	0,03	0,03	0,01	0,04	0,03	0,01	0,00	0,26
DESV EST %	0,0014	0,0015	0,0052	0,0122	0,0118	0,0031	0,0037	0,0005
MAX	24,14	23,75	2,77	3,58	2,79	2,90	0,05	528,62
MIN	24,04	23,66	2,72	3,43	2,64	2,85	0,05	527,94

Date	Time	IP PRES ACT VAL 10LBB10FP002  XQ01 bar	STM AHD IP BLADING 10MAB50CP001  XQ01 bar	STM IP EXHAUST 10MAB50CP021  XQ01 bar	PRES D/AST 10LAA10CP001  XQ01 BAR	LP PRES ACT VAL 10LBA80FP002  XQ01 bar	PRES INL LP CSG 10MAC11FP901  XQ01 barabs	PRES CONDR 1 10MAG01FP902  XQ01 barabs	TEMP HP MS U/S ST 10LBA11CT001  XQ01 °C
19-12-2019 0:00	13:45:00	24,036055	23,658855	2,7188945	3,483284	2,674988	2,8638272	0,0477086	527,9369
19-12-2019 0:00	13:46:00	24,036055	23,658855	2,7525318	3,549539	2,6473508	2,8645506	0,0477086	527,9369
19-12-2019 0:00	13:47:00	24,036055	23,658855	2,7536168	3,5527978	2,6586912	2,8659973	0,0479136	528,03094
19-12-2019 0:00	13:48:00	24,035252	23,658855	2,7337239	3,4391136	2,7034335	2,8659973	0,0479136	528,03094
19-12-2019 0:00	13:49:00	24,035252	23,658855	2,759042	3,478939	2,6385415	2,892159	0,0479136	528,03094
19-12-2019 0:00	13:50:00	24,047176	23,658855	2,7409577	3,5567803	2,70068	2,8790178	0,0478171	528,03094
19-12-2019 0:00	13:51:00	24,047176	23,658855	2,725405	3,5401258	2,7112343	2,8717844	0,0478171	528,03094
19-12-2019 0:00	13:52:00	24,057554	23,658855	2,7641058	3,4409237	2,6578698	2,8717844	0,0478171	528,03094
19-12-2019 0:00	13:53:00	24,057554	23,658855	2,7434895	3,4749565	2,6431022	2,852374	0,0476966	528,03094
19-12-2019 0:00	13:54:00	24,051807	23,658855	2,7199795	3,5564184	2,6675856	2,8708198	0,0476966	528,03094
19-12-2019 0:00	13:55:00	24,040335	23,658855	2,7409577	3,4955935	2,7096777	2,8747983	0,0476001	528,03094
19-12-2019 0:00	13:56:00	24,040335	23,658855	2,7163627	3,435131	2,665715	2,8643095	0,0476001	528,03094
19-12-2019 0:00	13:57:00	24,040335	23,658855	2,7235966	3,5401258	2,6979864	2,867444	0,0476001	528,03094
19-12-2019 0:00	13:58:00	24,040335	23,658855	2,7188945	3,560763	2,7866342	2,850807	0,0476001	528,03094
19-12-2019 0:00	13:59:00	24,040335	23,658855	2,725405	3,4554057	2,6493998	2,881188	0,0476001	528,03094
19-12-2019 0:00	14:00:00	24,052727	23,658855	2,7424045	3,4825597	2,6887016	2,8788974	0,0478171	528,03094
19-12-2019 0:00	14:01:00	24,064323	23,687067	2,738064	3,5404878	2,6852217	2,876727	0,0478171	528,03094
19-12-2019 0:00	14:02:00	24,066399	23,687067	2,7221498	3,5093517	2,6959162	2,871061	0,0479859	528,03094
19-12-2019 0:00	14:03:00	24,075502	23,687067	2,7333622	3,4876285	2,699009	2,871061	0,0479859	528,03094
19-12-2019 0:00	14:04:00	24,075502	23,687067	2,736979	3,5184026	2,7080195	2,8893862	0,0479859	528,03094
19-12-2019 0:00	14:05:00	24,075502	23,687067	2,7217882	3,5426602	2,6928952	2,879018	0,0479859	528,03094
19-12-2019 0:00	14:06:00	24,0652	23,687067	2,740596	3,4278898	2,6865306	2,8649125	0,0479015	528,03094
19-12-2019 0:00	14:07:00	24,07267	23,687067	2,736979	3,4677157	2,6899414	2,8791385	0,0479015	528,03094
19-12-2019 0:00	14:08:00	24,078848	23,687067	2,7445745	3,5553322	2,6682596	2,8991516	0,0477448	528,03094
19-12-2019 0:00	14:09:00	24,085514	23,704428	2,7279367	3,4894385	2,6980033	2,8752804	0,0477448	528,1955
19-12-2019 0:00	14:10:00	24,085514	23,704428	2,7163627	3,4611988	2,6950576	2,8752804	0,047576	528,1955
19-12-2019 0:00	14:11:00	24,094473	23,704428	2,7536168	3,549539	2,6753511	2,8709402	0,047576	528,1955
19-12-2019 0:00	14:12:00	24,094473	23,704428	2,757957	3,5575042	2,756537	2,8714225	0,047576	528,1955
19-12-2019 0:00	14:13:00	24,094473	23,704428	2,749638	3,4702501	2,7567992	2,8764863	0,047576	528,1955
19-12-2019 0:00	14:14:00	24,103617	23,704428	2,7651908	3,4535956	2,6585608	2,8764863	0,047576	528,4071
19-12-2019 0:00	14:15:00	24,103617	23,723959	2,7293835	3,5068173	2,7436354	2,8764863	0,0475278	528,4071
19-12-2019 0:00	14:16:00	24,106415	23,723959	2,7366173	3,5575042	2,7083802	2,8764863	0,0475278	528,4071
19-12-2019 0:00	14:17:00	24,117271	23,723959	2,7669992	3,497766	2,6600366	2,8799825	0,0476966	528,4071
19-12-2019 0:00	14:18:00	24,117271	23,723959	2,751085	3,4380274	2,6865978	2,8793795	0,0476966	528,6187
19-12-2019 0:00	14:19:00	24,123692	23,723959	2,7677226	3,4735084	2,7193902	2,8793795	0,0478533	528,6187
19-12-2019 0:00	14:20:00	24,123692	23,74566	2,7478297	3,52673	2,7099268	2,8850458	0,0478533	528,6187



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	24,08	23,70	2,74	3,50	2,70	2,87	0,05	528,26
DESV EST	0,03	0,03	0,01	0,04	0,03	0,01	0,00	0,26
DESV EST %	0,0014	0,0015	0,0052	0,0122	0,0118	0,0031	0,0037	0,0005
MAX	24,14	23,75	2,77	3,58	2,79	2,90	0,05	528,62
MIN	24,04	23,66	2,72	3,43	2,64	2,85	0,05	527,94

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	14:21:00	24,123692	23,74566	2,7409577	3,45613	2,7359583	2,8874571	0,0479497	528,6187
19-12-2019 0:00	14:22:00	24,130013	23,74566	2,7199795	3,5039206	2,6583028	2,8766067	0,0479497	528,6187
19-12-2019 0:00	14:23:00	24,130013	23,74566	2,7387874	3,5441084	2,7596629	2,8802235	0,0479497	528,6187
19-12-2019 0:00	14:24:00	24,137985	23,74566	2,751085	3,5202131	2,7146862	2,8809469	0,0478412	528,6187
19-12-2019 0:00	14:25:00	24,14379	23,74566	2,745298	3,449613	2,6569815	2,8809469	0,0478412	528,6187
19-12-2019 0:00	14:26:00	24,135225	23,74566	2,7532551	3,5426602	2,7261543	2,8890243	0,0478412	528,6187
19-12-2019 0:00	14:27:00	24,123608	23,74566	2,7297451	3,5115237	2,7123735	2,8785357	0,0476122	528,6187
19-12-2019 0:00	14:28:00	24,123608	23,74566	2,717086	3,4467168	2,7297328	2,8785357	0,0476122	528,6187
19-12-2019 0:00	14:29:00	24,123608	23,74566	2,7445745	3,497766	2,6928227	2,8813086	0,0474796	528,6187
19-12-2019 0:00	14:30:00	24,128403	23,74566	2,7445745	3,576693	2,71694	2,8813086	0,0476484	528,6187
19-12-2019 0:00	14:31:00	24,128403	23,74566	2,741681	3,533247	2,7437336	2,872146	0,0476484	528,6187
19-12-2019 0:00	14:32:00	24,120901	23,74566	2,7402341	3,4467168	2,679762	2,8825142	0,0478533	528,6187
19-12-2019 0:00	14:33:00	24,120901	23,74566	2,767361	3,497766	2,6413734	2,8788974	0,0478533	528,6187
19-12-2019 0:00	14:34:00	24,112104	23,74566	2,7301068	3,5227475	2,7044032	2,8788974	0,0478533	528,6187
19-12-2019 0:00	14:35:00	24,100004	23,74566	2,7499998	3,4307861	2,6831605	2,8828757	0,0478533	528,6187
19-12-2019 0:00	14:36:00	24,100004	23,74566	2,7565103	3,4340448	2,6651945	2,877089	0,0478533	528,21906
19-12-2019 0:00	14:37:00	24,092232	23,74566	2,7420428	3,5256438	2,7086205	2,8659973	0,0480703	528,21906
19-12-2019 0:00	14:38:00	24,087704	23,704428	2,7434895	3,5368676	2,6665263	2,869373	0,0480703	528,21906
19-12-2019 0:00	14:39:00	24,076654	23,704428	2,7297451	3,506455	2,697936	2,8604517	0,0479497	528,21906
19-12-2019 0:00	14:40:00	24,061869	23,704428	2,7221498	3,4286141	2,7318125	2,8609338	0,0479497	528,21906
19-12-2019 0:00	14:41:00	24,061869	23,704428	2,7221498	3,4684396	2,7070882	2,8705788	0,0481065	528,21906
19-12-2019 0:00	14:42:00	24,048208	23,671877	2,7337239	3,519127	2,7059588	2,8705788	0,0481065	528,21906
19-12-2019 0:00	14:43:00	24,054111	23,671877	2,739149	3,449613	2,7025466	2,8705788	0,0481065	528,03094
19-12-2019 0:00	14:44:00	24,045023	23,671877	2,7261283	3,5024724	2,7080672	2,8643095	0,0481065	528,03094
19-12-2019 0:00	14:45:00	24,045023	23,671877	2,7337239	3,4695258	2,686182	2,8641891	0,0481065	528,03094





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	344,69	533,62	250,14	231,03	254,22	21,18	21,06	31,99
DESV EST	0,24	0,27	0,19	0,06	0,17	0,07	0,08	0,07
DESV EST %	0,0007	0,0005	0,0008	0,0003	0,0007	0,0033	0,0037	0,0020
MAX	345,10	534,07	250,40	231,09	254,50	21,31	21,25	32,12
MIN	344,40	533,32	249,90	230,96	254,00	21,07	20,93	31,86

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	13:45:00	344,40002	533,5558	249,90002	231,08723	254	21,176939	21,034071	31,97338
19-12-2019 0:00	13:46:00	344,40002	533,5558	249,90002	231,08723	254	21,176939	21,034071	31,951677
19-12-2019 0:00	13:47:00	344,40002	533,5558	249,90002	231,08723	254	21,176939	21,097366	32,020397
19-12-2019 0:00	13:48:00	344,40002	533,5558	249,90002	231,08723	254	21,227575	21,097366	32,036674
19-12-2019 0:00	13:49:00	344,60004	533,5558	249,90002	231,08723	254,10004	21,227575	21,097366	32,01859
19-12-2019 0:00	13:50:00	344,60004	533,5558	249,90002	231,08723	254,10004	21,227575	21,097366	32,01859
19-12-2019 0:00	13:51:00	344,60004	533,5558	249,90002	231,08723	254,10004	21,227575	21,097366	31,986038
19-12-2019 0:00	13:52:00	344,5	533,5558	249,90002	231,08723	254,10004	21,160662	21,03588	31,987846
19-12-2019 0:00	13:53:00	344,5	533,3207	249,90002	231,08723	254	21,160662	21,03588	31,967955
19-12-2019 0:00	13:54:00	344,5	533,3207	249,90002	231,08723	254	21,160662	21,03588	31,942635
19-12-2019 0:00	13:55:00	344,5	533,3207	249,90002	231,08723	254	21,160662	20,98886	31,873915
19-12-2019 0:00	13:56:00	344,5	533,3207	250,10004	231,08723	254	21,15162	20,98886	31,924551
19-12-2019 0:00	13:57:00	344,5	533,3207	250,10004	231,08723	254	21,15162	20,98886	31,870298
19-12-2019 0:00	13:58:00	344,5	533,3207	250,10004	231,08723	254	21,15162	21,08109	31,888382
19-12-2019 0:00	13:59:00	344,5	533,3207	250,10004	231,08723	254,10004	21,227575	21,08109	31,97338
19-12-2019 0:00	14:00:00	344,5	533,3207	250,10004	230,95702	254,10004	21,227575	21,063005	31,951677
19-12-2019 0:00	14:01:00	344,5	533,3207	250,10004	230,95702	254,10004	21,227575	21,14077	31,98423
19-12-2019 0:00	14:02:00	344,5	533,3207	250,10004	230,95702	254,10004	21,227575	21,14077	32,0638
19-12-2019 0:00	14:03:00	344,5	533,3207	250,10004	230,95702	254,10004	21,289062	21,14077	32,045715
19-12-2019 0:00	14:04:00	344,5	533,3207	249,90002	230,95702	254,10004	21,236618	21,124493	32,06561
19-12-2019 0:00	14:05:00	344,5	533,3207	249,90002	230,95702	254,10004	21,236618	21,124493	32,051144
19-12-2019 0:00	14:06:00	344,5	533,3207	249,90002	230,95702	254,10004	21,207682	21,08109	32,051144
19-12-2019 0:00	14:07:00	344,5	533,3207	249,90002	230,95702	254,10004	21,171513	21,08109	32,020397
19-12-2019 0:00	14:08:00	344,5	533,3207	249,90002	230,95702	254,29999	21,171513	20,997902	31,986038
19-12-2019 0:00	14:09:00	344,5	533,3207	249,90002	230,95702	254,29999	21,115452	20,997902	31,957104
19-12-2019 0:00	14:10:00	344,5	533,3207	250,10004	230,95702	254,29999	21,07024	20,945457	31,891998
19-12-2019 0:00	14:11:00	344,5	533,3207	250,10004	230,95702	254,29999	21,07024	20,945457	31,857637
19-12-2019 0:00	14:12:00	344,7	533,3207	250,10004	230,95702	254,29999	21,07024	20,945457	31,857637
19-12-2019 0:00	14:13:00	344,7	533,72034	250,10004	230,95702	254,29999	21,07024	20,945457	31,911892
19-12-2019 0:00	14:14:00	344,7	533,72034	250,10004	230,95702	254,29999	21,07024	20,945457	31,888382
19-12-2019 0:00	14:15:00	344,7	533,72034	250,10004	230,95702	254,29999	21,07024	20,945457	31,9137
19-12-2019 0:00	14:16:00	344,8	533,72034	250,10004	230,95702	254,29999	21,07024	20,927372	31,931786
19-12-2019 0:00	14:17:00	344,8	533,72034	250,29999	230,95702	254,29999	21,15162	21,005136	31,928167
19-12-2019 0:00	14:18:00	345	533,72034	250,29999	230,95702	254,29999	21,15162	21,091942	31,986038
19-12-2019 0:00	14:19:00	345	533,72034	250,29999	230,95702	254,29999	21,15162	21,091942	31,98423
19-12-2019 0:00	14:20:00	345	533,72034	250,29999	230,95702	254,29999	21,182364	21,091942	31,986038



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	344,69	533,62	250,14	231,03	254,22	21,18	21,06	31,99
DESV EST	0,24	0,27	0,19	0,06	0,17	0,07	0,08	0,07
DESV EST %	0,0007	0,0005	0,0008	0,0003	0,0007	0,0033	0,0037	0,0020
MAX	345,10	534,07	250,40	231,09	254,50	21,31	21,25	32,12
MIN	344,40	533,32	249,90	230,96	254,00	21,07	20,93	31,86

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	14:21:00	345	533,72034	250,29999	230,95702	254,29999	21,198639	21,091942	32,036674
19-12-2019 0:00	14:22:00	344,90002	533,72034	250,29999	231,08723	254,29999	21,251085	21,091942	32,013165
19-12-2019 0:00	14:23:00	344,90002	534,073	250,29999	231,08723	254,29999	21,16428	21,064814	32,000507
19-12-2019 0:00	14:24:00	345,10004	534,073	250,40002	231,08723	254,5	21,16428	21,064814	32,051144
19-12-2019 0:00	14:25:00	345,10004	534,073	250,40002	231,08723	254,5	21,16428	21,017796	32,058376
19-12-2019 0:00	14:26:00	345,10004	534,073	250,40002	231,08723	254,5	21,16428	21,017796	32,004124
19-12-2019 0:00	14:27:00	345,10004	534,073	250,40002	231,08723	254,40002	21,100983	20,974392	31,940826
19-12-2019 0:00	14:28:00	345,10004	534,073	250,40002	231,08723	254,40002	21,100983	20,974392	31,940826
19-12-2019 0:00	14:29:00	345,10004	534,073	250,40002	231,08723	254,40002	21,088324	20,956308	31,940826
19-12-2019 0:00	14:30:00	345,10004	534,073	250,40002	231,08723	254,5	21,088324	20,956308	31,942635
19-12-2019 0:00	14:31:00	345,10004	534,073	250,40002	231,08723	254,5	21,088324	21,050346	31,955294
19-12-2019 0:00	14:32:00	345	534,073	250,40002	231,08723	254,5	21,15162	21,025028	31,987846
19-12-2019 0:00	14:33:00	345	534,073	250,40002	231,08723	254,5	21,15162	21,025028	31,99689
19-12-2019 0:00	14:34:00	345	534,073	250,40002	231,08723	254,5	21,15162	21,025028	32,011356
19-12-2019 0:00	14:35:00	344,8	533,6263	250,40002	231,08723	254,5	21,198639	21,079283	32,013165
19-12-2019 0:00	14:36:00	344,8	533,6263	250,40002	231,08723	254,29999	21,198639	21,079283	31,986038
19-12-2019 0:00	14:37:00	344,8	533,6263	250,40002	231,08723	254,29999	21,198639	21,155237	32,0421
19-12-2019 0:00	14:38:00	344,60004	533,6263	250,10004	231,08723	254,29999	21,260126	21,155237	32,0421
19-12-2019 0:00	14:39:00	344,60004	533,6263	250,10004	231,08723	254,10004	21,260126	21,155237	32,074654
19-12-2019 0:00	14:40:00	344,60004	533,6263	250,10004	231,01128	254,10004	21,31438	21,178747	32,074654
19-12-2019 0:00	14:41:00	344,60004	533,6263	250,10004	231,01128	254,10004	21,31438	21,178747	32,09997
19-12-2019 0:00	14:42:00	344,60004	533,6263	250,10004	231,01128	254,10004	21,31438	21,205873	32,105396
19-12-2019 0:00	14:43:00	344,60004	533,6263	250,10004	231,01128	254,10004	21,31438	21,205873	32,074654
19-12-2019 0:00	14:44:00	344,40002	533,6263	250,10004	231,01128	254,10004	21,31438	21,205873	32,09997
19-12-2019 0:00	14:45:00	344,40002	533,6263	250,10004	231,01128	254,10004	21,31438	21,252893	32,118053



DATOS	61	61	61	61	61	61	61	61	61
PROMEDIO	31,41	79,16	151,26	35,89	22,00	0,14	18,84	149,65	
DESV EST	0,07	0,49	0,16	0,04	0,28	0,02	0,17	0,15	
DESV EST %	0,0023	0,0062	0,0010	0,0010	0,0128	0,1314	0,0093	0,0010	
MAX	31,58	80,54	151,49	35,97	22,35	0,17	19,06	149,87	
MIN	31,28	77,97	150,94	35,81	21,66	0,10	18,46	149,38	

Date	Time	T CW D/S CONDR LNE2 10PAB32CT001  XQ01 °C	TEMP U/S COND P/HTR 11LCA20CT002  XQ01 °C	TEMP D/S COND P/HTR 11LCA30CT001  XQ01 °C	T COND TO P/HTR SYST 11LCA20CT001  XQ01 °C	TEMP FG P/HTR INL 11EKT20CT001  XQ01 °C	PRES FG P/HTR INL 2 of 3 11EKT20CP901  XQ01 bar	T FG FG P/HTR OUTL 11EKC20CT001  XQ01 °C	TEMP FW U/S ECON1 11LAB20CT001  XQ01 °C
19-12-2019 0:00	13:45:00	31,387442	79,78516	150,95485	35,818142	21,655092	0,1345307	18,460648	149,64192
19-12-2019 0:00	13:46:00	31,385633	79,78516	151,0525	35,818142	21,655092	0,1345307	18,460648	149,64192
19-12-2019 0:00	13:47:00	31,394676	79,78516	151,16103	35,872395	21,655092	0,1684516	18,61111	149,64192
19-12-2019 0:00	13:48:00	31,42361	79,34027	151,20442	35,872395	21,655092	0,1684516	18,61111	149,68532
19-12-2019 0:00	13:49:00	31,430845	79,34027	151,20442	35,872395	21,655092	0,1684516	18,61111	149,68532
19-12-2019 0:00	13:50:00	31,405525	79,34027	151,28038	35,872395	21,655092	0,1684516	18,61111	149,68532
19-12-2019 0:00	13:51:00	31,391058	79,34027	151,28038	35,872395	21,655092	0,1684516	18,61111	149,70703
19-12-2019 0:00	13:52:00	31,396484	79,34027	151,34547	35,872395	21,655092	0,1703783	18,61111	149,70703
19-12-2019 0:00	13:53:00	31,398293	79,34027	151,34547	35,872395	21,655092	0,1703783	18,61111	149,70703
19-12-2019 0:00	13:54:00	31,345848	79,34027	151,34547	35,872395	21,655092	0,1703783	18,61111	149,70703
19-12-2019 0:00	13:55:00	31,324146	79,34027	151,34547	35,872395	21,655092	0,1703783	18,61111	149,64192
19-12-2019 0:00	13:56:00	31,324146	80,5447	151,34547	35,894096	21,655092	0,1703783	18,715277	149,64192
19-12-2019 0:00	13:57:00	31,298828	78,89539	151,39973	35,894096	21,655092	0,1703783	18,715277	149,80469
19-12-2019 0:00	13:58:00	31,331379	78,89539	151,39973	35,894096	21,655092	0,1703783	18,715277	149,85893
19-12-2019 0:00	13:59:00	31,43627	78,89539	151,39973	35,894096	21,655092	0,1703783	18,715277	149,73958
19-12-2019 0:00	14:00:00	31,378399	78,89539	151,39973	35,894096	21,655092	0,1339658	18,645832	149,81554
19-12-2019 0:00	14:01:00	31,418186	79,40538	151,34547	35,894096	21,655092	0,1339658	18,645832	149,86978
19-12-2019 0:00	14:02:00	31,461588	79,40538	151,34547	35,894096	21,655092	0,1339658	18,645832	149,86978
19-12-2019 0:00	14:03:00	31,452545	79,40538	151,37804	35,894096	21,655092	0,1339658	18,645832	149,85893
19-12-2019 0:00	14:04:00	31,454353	79,40538	151,37804	35,894096	21,655092	0,1339658	18,75	149,82639
19-12-2019 0:00	14:05:00	31,445312	79,40538	151,42143	35,894096	21,944445	0,1339658	18,75	149,77213
19-12-2019 0:00	14:06:00	31,42361	79,40538	151,37804	35,894096	21,944445	0,1355839	18,75	149,79384
19-12-2019 0:00	14:07:00	31,407335	79,40538	151,37804	35,894096	21,944445	0,1355839	18,75	149,79384
19-12-2019 0:00	14:08:00	31,398293	79,40538	151,48654	35,894096	21,944445	0,1349103	18,807869	149,79384
19-12-2019 0:00	14:09:00	31,35308	79,40538	151,48654	35,894096	21,944445	0,1349103	18,807869	149,75043
19-12-2019 0:00	14:10:00	31,324146	79,67664	151,4757	35,894096	21,944445	0,1702247	18,807869	149,69618
19-12-2019 0:00	14:11:00	31,327763	79,67664	151,4757	35,894096	21,944445	0,1710793	18,807869	149,69618
19-12-2019 0:00	14:12:00	31,304253	79,67664	151,4757	35,926647	21,944445	0,1342158	18,807869	149,57681
19-12-2019 0:00	14:13:00	31,298828	78,309456	151,4757	35,926647	21,944445	0,1356337	18,935184	149,52257
19-12-2019 0:00	14:14:00	31,315104	79,05816	151,4757	35,926647	21,944445	0,1356337	18,935184	149,52257
19-12-2019 0:00	14:15:00	31,28255	79,05816	151,44313	35,894096	21,944445	0,1356337	18,935184	149,39235
19-12-2019 0:00	14:16:00	31,34223	79,05816	151,44313	35,894096	21,944445	0,1356337	18,935184	149,3815
19-12-2019 0:00	14:17:00	31,333189	77,97308	151,34547	35,894096	21,944445	0,1356337	18,935184	149,3815
19-12-2019 0:00	14:18:00	31,41276	77,97308	151,38889	35,80729	21,944445	0,1356337	18,773148	149,3815
19-12-2019 0:00	14:19:00	31,432653	79,17751	151,29123	35,80729	21,944445	0,1356337	18,773148	149,3815
19-12-2019 0:00	14:20:00	31,450737	78,03819	151,29123	35,80729	22,349537	0,1356337	18,773148	149,3815



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	31,41	79,16	151,26	35,89	22,00	0,14	18,84	149,65
DESV EST	0,07	0,49	0,16	0,04	0,28	0,02	0,17	0,15
DESV EST %	0,0023	0,0062	0,0010	0,0010	0,0128	0,1314	0,0093	0,0010
MAX	31,58	80,54	151,49	35,97	22,35	0,17	19,06	149,87
MIN	31,28	77,97	150,94	35,81	21,66	0,10	18,46	149,38

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	14:21:00	31,45978	79,32942	151,32378	35,80729	22,349537	0,1356337	18,935184	149,39235
19-12-2019 0:00	14:22:00	31,49414	78,53732	151,32378	35,894096	22,349537	0,1356337	18,935184	149,39235
19-12-2019 0:00	14:23:00	31,47063	78,53732	151,26953	35,894096	22,349537	0,1356337	18,935184	149,39235
19-12-2019 0:00	14:24:00	31,45978	78,53732	151,26953	35,894096	22,349537	0,1356337	18,935184	149,39235
19-12-2019 0:00	14:25:00	31,445312	78,884544	151,21527	35,894096	22,349537	0,1356337	18,935184	149,39235
19-12-2019 0:00	14:26:00	31,396484	78,884544	151,21527	35,894096	22,349537	0,1356337	18,935184	149,43576
19-12-2019 0:00	14:27:00	31,369358	78,884544	151,16103	35,894096	22,349537	0,1356337	19,0625	149,43576
19-12-2019 0:00	14:28:00	31,35308	78,884544	151,16103	35,894096	22,349537	0,1356337	19,0625	149,59853
19-12-2019 0:00	14:29:00	31,35308	80,19748	151,25868	35,894096	22,349537	0,1356337	19,0625	149,58766
19-12-2019 0:00	14:30:00	31,35308	78,68923	151,16103	35,894096	22,349537	0,1356337	19,0625	149,58766
19-12-2019 0:00	14:31:00	31,385633	78,68923	151,16103	35,894096	22,349537	0,1356337	18,981482	149,66362
19-12-2019 0:00	14:32:00	31,443504	79,42708	151,16103	35,894096	22,245369	0,1356337	18,981482	149,66362
19-12-2019 0:00	14:33:00	31,45978	79,42708	150,96571	35,894096	22,245369	0,0994647	18,981482	149,76128
19-12-2019 0:00	14:34:00	31,445312	79,42708	151,10677	35,894096	22,245369	0,0994647	18,981482	149,65277
19-12-2019 0:00	14:35:00	31,477863	79,42708	151,10677	35,894096	22,245369	0,0994647	18,981482	149,70703
19-12-2019 0:00	14:36:00	31,45978	79,42708	151,10677	35,894096	22,245369	0,1356337	18,981482	149,70703
19-12-2019 0:00	14:37:00	31,49414	79,42708	151,10677	35,894096	22,245369	0,1356337	18,981482	149,70703
19-12-2019 0:00	14:38:00	31,49414	79,42708	151,12846	35,894096	22,245369	0,1356337	18,981482	149,70703
19-12-2019 0:00	14:39:00	31,504992	79,42708	151,12846	35,894096	22,245369	0,1356337	19,0625	149,76128
19-12-2019 0:00	14:40:00	31,521267	79,42708	151,12846	35,97005	22,245369	0,0994647	19,0625	149,79384
19-12-2019 0:00	14:41:00	31,57552	78,78689	150,96571	35,97005	22,245369	0,1356337	19,0625	149,79384
19-12-2019 0:00	14:42:00	31,55201	78,78689	151,06337	35,97005	22,245369	0,1356337	19,0625	149,79384
19-12-2019 0:00	14:43:00	31,53935	78,78689	151,04166	35,97005	22,245369	0,1356337	19,0625	149,68532
19-12-2019 0:00	14:44:00	31,54116	78,78689	150,944	35,97005	22,245369	0,1356337	19,0625	149,75043
19-12-2019 0:00	14:45:00	31,570095	78,36371	150,944	35,9375	22,245369	0,1356337	19,0625	149,80469



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,68	142,22	5,19	28,69	-	107,11	10,42	6,04
DESV EST	0,09	1,00	0,00	0,59	0,00	0,64	0,01	0,03
DESV EST %	0,0006	0,0070	0,0003	0,0207	#iDIV/0!	0,0060	0,0009	0,0048
MAX	148,76	144,12	5,19	29,27	0,00	108,27	10,44	6,11
MIN	148,57	139,79	5,19	27,69	0,00	105,13	10,41	5,96

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01	11LCA31CT002  XQ01	11HHG10CP901  XQ01	11HHG10CT901  XQ01	11HHG10CF901  XQ01	10MKA01CE003A  XQ01	10MKA01CE001A  XQ01	10MKA01CE002A  XQ01
		°C	°C	bar	°C	KG/S	MW	kV	kA
19-12-2019 0:00	13:45:00	148,76302	140,76605	5,1915145	27,69488	0	106,25	10,423322	6,033529
19-12-2019 0:00	13:46:00	148,76302	142,22005	5,1915145	27,69488	0	106,041664	10,423322	5,9607205
19-12-2019 0:00	13:47:00	148,76302	141,40625	5,1915145	27,69488	0	106,94661	10,423322	5,9981194
19-12-2019 0:00	13:48:00	148,76302	140,5165	5,1915145	27,69488	0	106,36067	10,423322	6,037507
19-12-2019 0:00	13:49:00	148,76302	142,00304	5,1915145	27,69488	0	108,092445	10,423322	5,9989147
19-12-2019 0:00	13:50:00	148,76302	143,39192	5,1915145	27,69488	0	108,046875	10,411097	6,0339265
19-12-2019 0:00	13:51:00	148,76302	142,01389	5,1915145	27,69488	0	106,3151	10,411097	6,025969
19-12-2019 0:00	13:52:00	148,76302	139,78949	5,1915145	27,69488	0	106,41276	10,434607	6,032335
19-12-2019 0:00	13:53:00	148,76302	141,93793	5,1915145	27,69488	0	106,6276	10,411567	6,037905
19-12-2019 0:00	13:54:00	148,76302	143,40277	5,1915145	27,69488	0	106,18489	10,411567	5,9945383
19-12-2019 0:00	13:55:00	148,76302	141,87282	5,1915145	28,019611	0	107,07682	10,433666	6,0339265
19-12-2019 0:00	13:56:00	148,76302	141,09157	5,1915145	28,019611	0	107,16797	10,406395	6,0339265
19-12-2019 0:00	13:57:00	148,76302	143,19661	5,1879344	28,019611	0	106,5625	10,406395	5,9981194
19-12-2019 0:00	13:58:00	148,76302	142,53471	5,1879344	28,019611	0	106,71875	10,415329	5,997721
19-12-2019 0:00	13:59:00	148,76302	141,22179	5,1879344	28,220072	0	106,875	10,415329	6,033529
19-12-2019 0:00	14:00:00	148,76302	141,76431	5,1879344	28,220072	0	107,79948	10,415329	6,0581956
19-12-2019 0:00	14:01:00	148,76302	143,8802	5,1879344	28,220072	0	106,399734	10,434136	6,04069
19-12-2019 0:00	14:02:00	148,76302	141,81857	5,1879344	28,220072	0	106,90104	10,428965	6,04069
19-12-2019 0:00	14:03:00	148,66536	141,29774	5,1879344	28,220072	0	107,200516	10,428965	6,04626
19-12-2019 0:00	14:04:00	148,66536	143,56554	5,1879344	28,393969	0	107,36979	10,428965	5,9969254
19-12-2019 0:00	14:05:00	148,66536	142,8711	5,1879344	28,393969	0	107,46094	10,411567	6,111111
19-12-2019 0:00	14:06:00	148,66536	141,01562	5,1879344	28,393969	0	107,40234	10,411567	6,0168185
19-12-2019 0:00	14:07:00	148,66536	142,15494	5,1879344	28,393969	0	105,99609	10,435077	6,055411
19-12-2019 0:00	14:08:00	148,66536	143,51128	5,1879344	28,665394	0	107,48698	10,408746	6,0526257
19-12-2019 0:00	14:09:00	148,66536	142,8711	5,1879344	28,665394	0	106,91406	10,432726	6,0526257
19-12-2019 0:00	14:10:00	148,66536	141,57985	5,1879344	28,665394	0	107,57161	10,432726	6,0526257
19-12-2019 0:00	14:11:00	148,66536	143,63063	5,1879344	28,665394	0	108,15755	10,411567	6,051432
19-12-2019 0:00	14:12:00	148,66536	142,71918	5,1879344	28,935503	0	105,1302	10,415799	6,044271
19-12-2019 0:00	14:13:00	148,66536	141,79688	5,1879344	28,935503	0	107,72786	10,415799	6,071723
19-12-2019 0:00	14:14:00	148,66536	140,96136	5,1879344	28,935503	0	107,27213	10,415799	6,0558085
19-12-2019 0:00	14:15:00	148,66536	143,98871	5,1879344	28,935503	0	106,875	10,415799	6,0534215
19-12-2019 0:00	14:16:00	148,5677	143,25087	5,1879344	29,186373	0	107,200516	10,432726	6,053819
19-12-2019 0:00	14:17:00	148,5677	141,82942	5,1879344	29,186373	0	108,11198	10,409216	6,111509
19-12-2019 0:00	14:18:00	148,5677	140,78775	5,1879344	29,186373	0	107,23307	10,431786	6,049443
19-12-2019 0:00	14:19:00	148,5677	142,37196	5,1879344	29,186373	0	107,27864	10,431786	6,031937
19-12-2019 0:00	14:20:00	148,5677	142,93619	5,1879344	29,186373	0	107,12891	10,406865	6,0574



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,68	142,22	5,19	28,69	-	107,11	10,42	6,04
DESV EST	0,09	1,00	0,00	0,59	0,00	0,64	0,01	0,03
DESV EST %	0,0006	0,0070	0,0003	0,0207	#iDIV/0!	0,0060	0,0009	0,0048
MAX	148,76	144,12	5,19	29,27	0,00	108,27	10,44	6,11
MIN	148,57	139,79	5,19	27,69	0,00	105,13	10,41	5,96

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	14:21:00	148,5677	141,05902	5,1879344	29,186373	0	107,5	10,432256	6,045862
19-12-2019 0:00	14:22:00	148,5677	142,46962	5,1879344	29,186373	0	108,274734	10,432256	6,103552
19-12-2019 0:00	14:23:00	148,5677	143,1315	5,1879344	29,186373	0	107,22656	10,409216	6,0733147
19-12-2019 0:00	14:24:00	148,5677	141,74261	5,1879344	29,186373	0	107,16145	10,432256	6,034324
19-12-2019 0:00	14:25:00	148,5677	141,84027	5,1879344	29,186373	0	107,63672	10,432256	6,0502386
19-12-2019 0:00	14:26:00	148,5677	143,18576	5,1879344	29,186373	0	106,91406	10,431786	6,0641637
19-12-2019 0:00	14:27:00	148,5677	142,70833	5,1879344	29,186373	0	107,24609	10,431786	6,054615
19-12-2019 0:00	14:28:00	148,5677	141,14583	5,1879344	29,186373	0	107,78645	10,431786	6,0737123
19-12-2019 0:00	14:29:00	148,5677	142,16579	5,1879344	29,266619	0	107,51953	10,41956	6,049443
19-12-2019 0:00	14:30:00	148,5677	144,11891	5,1879344	29,266619	0	107,23958	10,41956	6,032733
19-12-2019 0:00	14:31:00	148,5677	142,82768	5,1879344	29,266619	0	107,8125	10,41956	6,0673466
19-12-2019 0:00	14:32:00	148,5677	140,90712	5,1879344	29,266619	0	107,356766	10,41956	6,0673466
19-12-2019 0:00	14:33:00	148,5677	143,07726	5,1879344	29,266619	0	107,95573	10,41956	6,0673466
19-12-2019 0:00	14:34:00	148,5677	143,28342	5,1879344	29,266619	0	106,84895	10,41956	6,0673466
19-12-2019 0:00	14:35:00	148,76302	140,87456	5,1879344	29,266619	0	107,22656	10,434136	6,0482492
19-12-2019 0:00	14:36:00	148,76302	141,47134	5,1879344	29,266619	0	107,89713	10,414859	6,0673466
19-12-2019 0:00	14:37:00	148,76302	142,88194	5,1879344	29,151165	0	106,58203	10,414859	6,049841
19-12-2019 0:00	14:38:00	148,76302	143,67404	5,1879344	29,151165	0	108,072914	10,427554	6,0645614
19-12-2019 0:00	14:39:00	148,76302	141,62326	5,1879344	29,151165	0	106,80338	10,427554	6,0506363
19-12-2019 0:00	14:40:00	148,76302	141,38454	5,1879344	29,151165	0	107,52604	10,427554	6,054615
19-12-2019 0:00	14:41:00	148,76302	142,81683	5,1879344	29,151165	0	106,29557	10,427554	6,054615
19-12-2019 0:00	14:42:00	148,76302	142,70833	5,1879344	29,151165	0	107,24609	10,411097	6,0760994
19-12-2019 0:00	14:43:00	148,76302	141,16753	5,1879344	29,151165	0	106,822914	10,411097	6,0474534
19-12-2019 0:00	14:44:00	148,76302	142,55641	5,1879344	29,151165	0	106,6927	10,429905	6,0474534
19-12-2019 0:00	14:45:00	148,76302	142,55641	5,1879344	29,151165	0	106,061195	10,429905	5,9662905



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	6,06	6,06	0,98	583,16	2,71	6,60	292,64	104,55
DESV EST	0,03	0,03	0,00	5,40	2,00	0,00	1,71	0,47
DESV EST %	0,0047	0,0050	0,0020	0,0093	0,7388	0,0005	0,0058	0,0045
MAX	6,14	6,16	0,98	593,95	18,04	6,61	296,66	105,98
MIN	6,00	5,96	0,98	572,46	1,42	6,59	289,33	103,02

Date	Time	GEN CURRENT L2		GEN CURRENT L3		ST GEN PWR FACTOR		MAX EXCITATION CURRENT		ACT PWR ST AUX TFR		V L1-L2 ST U SWGR		CURR L2 ST AUX FDR		UNIT LOAD SETPOINT ST	
		10MKA01CE002B  XQ01	10MKA01CE002C  XQ01	10MKC01DE503  ZQ01	10MKC01EU001  ZQ01	10BBT01CE003  XQ01	10BBF00CE001  XQ01	10BBT01CE102  XQ01	11CJA00DE100  XQ96	kA	kA	cos phi	A	MW	KV	A	MW
19-12-2019 0:00	13:45:00	6,0200014	6,021991	0,9816284	574,5117	2,4634404	6,6024776	292,31772	104,74535								
19-12-2019 0:00	13:46:00	5,998517	6,0347223	0,9816284	572,85156	2,4675925	6,6024776	291,44968	103,998955								
19-12-2019 0:00	13:47:00	6,0307436	6,0200014	0,9816284	573,53516	2,4545429	6,605049	295,68143	104,03212								
19-12-2019 0:00	13:48:00	6,02955	6,0558085	0,9816284	582,8125	2,5014033	6,6110497	293,07727	104,80865								
19-12-2019 0:00	13:49:00	6,0176144	6,0060763	0,9816284	580,27344	2,4533565	6,601906	291,1784	104,37605								
19-12-2019 0:00	13:50:00	6,0486474	6,0255713	0,9816284	581,34766	2,493099	6,5981913	293,29428	103,94101								
19-12-2019 0:00	13:51:00	6,02955	6,046658	0,9816284	577,9297	2,4397135	6,6064777	291,6667	104,38619								
19-12-2019 0:00	13:52:00	6,0446687	6,046658	0,9802246	578,125	1,4194589	6,6096206	289,82205	104,69089								
19-12-2019 0:00	13:53:00	6,0478516	6,0792823	0,9802246	575	2,4859807	6,5981913	294,16232	103,93565								
19-12-2019 0:00	13:54:00	6,0518303	6,0088615	0,9802246	574,41406	2,4925058	6,6056204	293,83682	104,7305								
19-12-2019 0:00	13:55:00	6,037905	6,034324	0,9802246	582,3242	2,4735243	6,5990486	294,6506	104,52988								
19-12-2019 0:00	13:56:00	6,0116463	6,0056787	0,9776001	582,71484	2,4675925	6,6056204	292,69748	104,42273								
19-12-2019 0:00	13:57:00	6,0613785	6,026765	0,9813843	577,2461	2,4954715	6,6056204	293,34854	104,80566								
19-12-2019 0:00	13:58:00	6,0478516	6,0036893	0,9813843	582,3242	2,4954715	6,601906	296,658	103,95217								
19-12-2019 0:00	13:59:00	6,052228	6,082465	0,9813843	582,03125	2,5079281	6,6033344	293,83682	104,18886								
19-12-2019 0:00	14:00:00	6,0486474	6,053819	0,9813843	587,1094	2,531655	6,6090493	296,658	104,609116								
19-12-2019 0:00	14:01:00	6,097186	6,0617766	0,9798584	581,83594	2,4705584	6,605049	293,67404	104,439354								
19-12-2019 0:00	14:02:00	6,0753036	6,0542173	0,9798584	580,7617	2,479456	6,6110497	293,6198	103,91206								
19-12-2019 0:00	14:03:00	6,0534215	6,049841	0,9798584	581,7383	2,455729	6,6064777	291,34116	104,998726								
19-12-2019 0:00	14:04:00	6,060185	6,0613785	0,9798584	581,83594	2,5061486	6,600477	292,96875	104,1629								
19-12-2019 0:00	14:05:00	6,1397567	6,1552734	0,9798584	592,77344	2,4747105	6,5961914	293,5113	105,97879								
19-12-2019 0:00	14:06:00	6,02955	6,084057	0,9798584	587,59766	2,47649	6,6024776	291,39542	105,23425								
19-12-2019 0:00	14:07:00	6,049841	5,9631076	0,9783936	573,53516	2,47649	6,6067634	293,34854	104,76193								
19-12-2019 0:00	14:08:00	6,097982	6,080078	0,9783936	589,35547	2,4717448	6,59762	291,23264	104,456566								
19-12-2019 0:00	14:09:00	6,071723	6,077293	0,9783936	580,3711	2,438527	6,6064777	291,6667	104,458336								
19-12-2019 0:00	14:10:00	6,063766	6,055411	0,9783936	588,1836	18,039524	6,5990486	294,1081	103,964035								
19-12-2019 0:00	14:11:00	6,093605	6,070132	0,9783936	591,3086	2,4871671	6,600763	292,42624	104,06759								
19-12-2019 0:00	14:12:00	6,0621743	6,033529	0,9783936	572,46094	2,4474247	6,6033344	292,42624	104,752426								
19-12-2019 0:00	14:13:00	6,097186	6,0673466	0,9783936	589,0625	2,4942853	6,6033344	292,31772	104,965515								
19-12-2019 0:00	14:14:00	6,065357	6,0673466	0,9783936	584,1797	2,438527	6,6033344	293,78256	105,02349								
19-12-2019 0:00	14:15:00	6,0697336	6,0733147	0,9783936	579,78516	2,4509838	6,6033344	291,6667	104,19972								
19-12-2019 0:00	14:16:00	6,0446687	6,0613785	0,9783936	579,8828	2,4770832	6,6033344	293,24002	104,38966								
19-12-2019 0:00	14:17:00	6,0780888	6,077691	0,9783936	587,9883	2,445052	6,6033344	291,44968	104,66663								
19-12-2019 0:00	14:18:00	6,0621743	6,0585938	0,9805908	580,8594	2,4675925	6,6033344	290,7986	104,46722								
19-12-2019 0:00	14:19:00	6,063368	6,02955	0,9805908	578,125	2,451577	6,6056204	291,72092	104,102646								
19-12-2019 0:00	14:20:00	6,06854	6,0593896	0,9805908	577,83203	2,4592881	6,607049	290,52734	104,973885								



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	6,06	6,06	0,98	583,16	2,71	6,60	292,64	104,55
DESV EST	0,03	0,03	0,00	5,40	2,00	0,00	1,71	0,47
DESV EST %	0,0047	0,0050	0,0020	0,0093	0,7388	0,0005	0,0058	0,0045
MAX	6,14	6,16	0,98	593,95	18,04	6,61	296,66	105,98
MIN	6,00	5,96	0,98	572,46	1,42	6,59	289,33	103,02

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	14:21:00	6,1202617	6,060583	0,9805908	584,5703	2,4592881	6,5947623	289,8763	105,65987
19-12-2019 0:00	14:22:00	6,117079	6,1039495	0,9775391	590,33203	2,448611	6,6024776	293,07727	104,7276
19-12-2019 0:00	14:23:00	6,0502386	6,0784864	0,9775391	588,3789	2,4984374	6,599906	295,57294	104,95421
19-12-2019 0:00	14:24:00	6,0760994	6,0764976	0,9775391	587,0117	2,4420862	6,6056204	291,34116	104,608696
19-12-2019 0:00	14:25:00	6,094401	6,0876374	0,9775391	583,6914	2,4889467	6,6024776	291,34116	104,43989
19-12-2019 0:00	14:26:00	6,069336	6,080078	0,9775391	583,78906	2,479456	6,6079063	291,1784	105,422424
19-12-2019 0:00	14:27:00	6,10196	6,080476	0,9803467	583,2031	2,420732	6,604192	295,46442	104,92349
19-12-2019 0:00	14:28:00	6,0665507	6,0792823	0,9772949	592,48047	2,4889467	6,604192	293,56555	104,999115
19-12-2019 0:00	14:29:00	6,049443	6,0760994	0,9772949	587,20703	2,5014033	6,6021914	295,41016	104,94943
19-12-2019 0:00	14:30:00	6,0625725	6,0585938	0,9772949	579,2969	2,4628472	6,6021914	292,53473	104,796936
19-12-2019 0:00	14:31:00	6,0657554	6,045862	0,9793091	588,47656	2,4634404	6,6036205	293,5113	104,66128
19-12-2019 0:00	14:32:00	6,02955	6,0677443	0,9793091	586,91406	2,451577	6,6036205	289,7678	104,64184
19-12-2019 0:00	14:33:00	6,121455	6,080476	0,9769287	587,20703	2,437934	6,6036205	292,31772	104,23932
19-12-2019 0:00	14:34:00	6,099573	6,066153	0,9769287	586,91406	2,4711516	6,6067634	289,33377	104,535324
19-12-2019 0:00	14:35:00	6,071723	6,063766	0,9769287	584,66797	2,4355612	6,6047635	291,23264	104,761856
19-12-2019 0:00	14:36:00	6,1238427	6,099573	0,9763794	588,08594	2,451577	6,6076207	290,25607	104,85616
19-12-2019 0:00	14:37:00	6,0518303	6,024378	0,9763794	585,15625	2,441493	6,6056204	293,023	104,40733
19-12-2019 0:00	14:38:00	6,0526257	6,0757017	0,9763794	589,9414	2,4753036	6,6036205	294,6506	104,46359
19-12-2019 0:00	14:39:00	6,0585938	6,080078	0,9763794	586,03516	2,4925058	6,6036205	292,26346	104,6595
19-12-2019 0:00	14:40:00	6,0597873	6,0613785	0,9751587	593,9453	2,434968	6,6036205	291,93796	104,90704
19-12-2019 0:00	14:41:00	6,049841	6,07411	0,9751587	583,10547	2,4527633	6,5990486	292,04645	104,35068
19-12-2019 0:00	14:42:00	6,0697336	6,0784864	0,9751587	587,0117	2,445052	6,6053348	293,34854	104,259445
19-12-2019 0:00	14:43:00	6,0697336	6,034324	0,9751587	585,0586	2,52513	6,6076207	294,6506	103,82673
19-12-2019 0:00	14:44:00	6,097186	6,0951967	0,977417	583,2031	2,479456	6,6033344	292,04645	104,45179
19-12-2019 0:00	14:45:00	6,0486474	6,025969	0,977417	573,33984	2,4770832	6,607049	289,55078	103,0195





DATOS	61	61	61	61	61	61	61
PROMEDIO	29,78	54,8	22,7	1.007	951,9	14,1	442,8
DESV EST	0,0130	2	0,36	0,0848	0,129	0,03	2,4
DESV EST %		0,0283	0,0159	0,0001	0,0001	0,0021	0,0055
MAX	29,81	60,4	23,3	1.007	952,2	14,2	447,6
MIN	29,75	52,31	21,95	1007,10	951,62	14,06	437,20

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	15:15:00	29,780092	54,31496	22,427662	1007,3784	951,9676	14,16739	445,6597
19-12-2019 0:00	15:16:00	29,782986	55,42173	22,216434	1007,3784	951,9676	14,145688	444,66144
19-12-2019 0:00	15:17:00	29,788773	56,394676	22,094906	1007,3784	951,9676	14,149305	437,19617
19-12-2019 0:00	15:18:00	29,79456	56,394676	22,005207	1007,22656	951,9676	14,131221	444,48782
19-12-2019 0:00	15:19:00	29,771412	56,919125	21,947338	1007,31335	951,9676	14,129413	441,23264
19-12-2019 0:00	15:20:00	29,806133	56,539352	22,04861	1007,31335	951,9676	14,123987	441,71005
19-12-2019 0:00	15:21:00	29,780092	55,942562	22,26273	1007,26996	951,9676	14,127604	442,10068
19-12-2019 0:00	15:22:00	29,81192	55,450665	22,332176	1007,26996	951,9676	14,118562	444,1406
19-12-2019 0:00	15:23:00	29,78588	55,255352	22,41898	1007,31335	951,9676	14,131221	441,44965
19-12-2019 0:00	15:24:00	29,782986	54,680264	22,578125	1007,2916	951,9676	14,138454	444,0972
19-12-2019 0:00	15:25:00	29,806133	53,414352	22,803818	1007,31335	951,9676	14,114944	445,74652
19-12-2019 0:00	15:26:00	29,771412	53,414352	22,83854	1007,3784	951,9676	14,145688	441,31943
19-12-2019 0:00	15:27:00	29,791666	53,414352	22,818287	1007,3351	951,9676	14,075159	437,97742
19-12-2019 0:00	15:28:00	29,800346	53,855614	22,771988	1007,3351	951,9676	14,154731	442,62152
19-12-2019 0:00	15:29:00	29,79456	54,257088	22,578125	1007,3351	951,9676	14,057075	437,5434
19-12-2019 0:00	15:30:00	29,782986	55,378326	22,36979	1007,3351	951,9676	14,161964	443,8802
19-12-2019 0:00	15:31:00	29,788773	57,09635	22,323494	1007,3784	951,9676	14,16739	443,8802
19-12-2019 0:00	15:32:00	29,800346	58,098232	22,291664	1007,40015	951,9676	14,158347	443,8802
19-12-2019 0:00	15:33:00	29,768518	60,405815	22,291664	1007,40015	951,9676	14,163773	445,22568
19-12-2019 0:00	15:34:00	29,79456	56,358505	22,291664	1007,40015	951,9676	14,163773	445,22568
19-12-2019 0:00	15:35:00	29,788773	55,392796	22,245369	1007,3351	951,9676	14,189091	444,0538
19-12-2019 0:00	15:36:00	29,797453	54,94068	22,352428	1007,3351	951,9676	14,122179	444,74826
19-12-2019 0:00	15:37:00	29,777199	54,676647	22,465275	1007,40015	951,9676	14,100477	437,19617
19-12-2019 0:00	15:38:00	29,765623	54,416233	22,586803	1007,40015	951,9676	14,0914345	438,15103
19-12-2019 0:00	15:39:00	29,78588	54,586227	22,69965	1007,40015	951,9676	14,093244	439,4531
19-12-2019 0:00	15:40:00	29,782986	54,586227	22,913773	1007,40015	951,9676	14,172815	445,31247
19-12-2019 0:00	15:41:00	29,759836	53,949654	22,962963	1007,40015	951,9676	14,160156	443,8802
19-12-2019 0:00	15:42:00	29,777199	54,333042	22,931133	1007,40015	952,1846	14,1746235	443,8802
19-12-2019 0:00	15:43:00	29,780092	54,495804	22,960068	1007,40015	952,1846	14,1746235	445,8767
19-12-2019 0:00	15:44:00	29,782986	54,188366	22,960068	1007,40015	952,1846	14,152923	443,92358
19-12-2019 0:00	15:45:00	29,765623	53,258823	22,90509	1007,40015	951,9965	14,185474	446,39755
19-12-2019 0:00	15:46:00	29,788773	53,819443	22,824074	1007,3784	951,9965	14,169198	443,48956
19-12-2019 0:00	15:47:00	29,768518	54,676647	22,774883	1007,31335	951,9965	14,160156	443,22916
19-12-2019 0:00	15:48:00	29,771412	55,146847	22,65625	1007,3351	951,9965	14,176432	445,00867
19-12-2019 0:00	15:49:00	29,780092	55,457897	22,528934	1007,3351	951,9965	14,161964	437,8472
19-12-2019 0:00	15:50:00	29,79456	56,31872	22,407406	1007,3351	951,8808	14,082393	440,6684



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,78	54,8	22,7	1.007	951,9	14,1	442,8
DESV EST	0,0130	2	0,36	0,0848	0,129	0,03	2,4
DESV EST %		0,0283	0,0159	0,0001	0,0001	0,0021	0,0055
MAX	29,81	60,4	23,3	1.007	952,2	14,2	447,6
MIN	29,75	52,31	21,95	1007,10	951,62	14,06	437,20

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	15:51:00	29,777199	56,83232	22,29456	1007,3784	951,8808	14,100477	440,6684
19-12-2019 0:00	15:52:00	29,791666	57,476128	22,248264	1007,31335	951,8808	14,098669	440,6684
19-12-2019 0:00	15:53:00	29,771412	56,955296	22,36111	1007,31335	951,8808	14,098669	440,6684
19-12-2019 0:00	15:54:00	29,780092	56,70211	22,462383	1007,31335	952,06885	14,187283	440,6684
19-12-2019 0:00	15:55:00	29,788773	56,09809	22,572338	1007,2916	952,06885	14,161964	440,36456
19-12-2019 0:00	15:56:00	29,76273	55,584488	22,621525	1007,3351	952,06885	14,183666	444,2708
19-12-2019 0:00	15:57:00	29,777199	55,584488	22,766201	1007,2916	951,8374	14,169198	444,2708
19-12-2019 0:00	15:58:00	29,800346	55,230034	22,873264	1007,2916	951,8374	14,131221	444,2708
19-12-2019 0:00	15:59:00	29,782986	54,897278	22,925346	1007,22656	951,8374	14,156539	444,2708
19-12-2019 0:00	16:00:00	29,809027	54,897278	22,997684	1007,22656	951,8374	14,133029	444,2708
19-12-2019 0:00	16:01:00	29,76273	54,061775	23,136574	1007,20483	951,8374	14,158347	440,53818
19-12-2019 0:00	16:02:00	29,788773	53,768806	23,203125	1007,26996	951,8374	14,169198	447,56943
19-12-2019 0:00	16:03:00	29,788773	53,233505	23,30729	1007,20483	951,8374	14,145688	440,53818
19-12-2019 0:00	16:04:00	29,78588	53,06351	23,315971	1007,20483	951,8374	14,152923	445,31247
19-12-2019 0:00	16:05:00	29,774305	52,860966	23,315971	1007,16144	951,8374	14,133029	441,66666
19-12-2019 0:00	16:06:00	29,800346	53,027344	23,26389	1007,1831	951,62036	14,131221	442,4045
19-12-2019 0:00	16:07:00	29,748262	53,027344	23,24942	1007,1831	951,62036	14,171007	444,57465
19-12-2019 0:00	16:08:00	29,797453	53,710938	23,122105	1007,20483	951,62036	14,125795	441,66666
19-12-2019 0:00	16:09:00	29,780092	53,334778	23,070023	1007,20483	951,62036	14,145688	443,44617
19-12-2019 0:00	16:10:00	29,797453	53,09968	23,01215	1007,1831	951,7361	14,152923	443,44617
19-12-2019 0:00	16:11:00	29,771412	52,600548	22,896412	1007,1831	951,7361	14,169198	443,44617
19-12-2019 0:00	16:12:00	29,797453	52,980324	22,847221	1007,16144	951,7361	14,131221	443,44617
19-12-2019 0:00	16:13:00	29,782986	53,60243	22,789349	1007,1831	951,7361	14,158347	444,44443
19-12-2019 0:00	16:14:00	29,791666	53,211803	22,90509	1007,0963	951,7361	14,138454	444,44443
19-12-2019 0:00	16:15:00	29,788773	52,30758	23,04398	1007,0963	951,7361	14,14388	444,44443



DATOS	61	61	61	61	61	61	61
PROMEDIO	19,8	10,7	54.260	15,1	583	573	570
DESV EST	0,23	0,0535	271	0,09	0,90	0,86	0,79
DESV EST %	0,0118	0,0050	0,0050	0,0061	0,0015	0,0015	0,0014
MAX	20,2	10,76	54.750	15,2	585	575	572
MIN	19,31	10,49	53245,31	14,90	581,20	571,10	568,50

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	15:15:00	19,815176	10,605943	53949,45	14,900009	582,3	571,9	569,7
19-12-2019 0:00	15:16:00	19,571035	10,6542845	54159,08	14,900009	582,5	572,3	569,9
19-12-2019 0:00	15:17:00	19,793474	10,718105	54364,91	14,900009	583,3	572,9	570,4
19-12-2019 0:00	15:18:00	20,173248	10,719315	54363,793	14,900009	582,5	572,5	570
19-12-2019 0:00	15:19:00	19,847729	10,662502	54444,723	15	582,10004	571,9	569,4
19-12-2019 0:00	15:20:00	19,853153	10,609022	53982,305	15	582,7	572,5	570,2
19-12-2019 0:00	15:21:00	19,929108	10,667473	54455,15	15	582,10004	571,9	569,60004
19-12-2019 0:00	15:22:00	19,661457	10,64909	53983,707	15	582,3	572,10004	569,8
19-12-2019 0:00	15:23:00	19,536674	10,598592	53717,293	15	582,3	572,10004	569,60004
19-12-2019 0:00	15:24:00	19,824219	10,706492	54273,82	15	582,5	572,10004	569,60004
19-12-2019 0:00	15:25:00	19,860388	10,637217	54125,77	15	581,9	571,7	569,4
19-12-2019 0:00	15:26:00	19,68135	10,658827	54154,273	15	582,60004	572,10004	569,60004
19-12-2019 0:00	15:27:00	19,31062	10,563168	53748,98	15	582,8	572,3	569,8
19-12-2019 0:00	15:28:00	20,211227	10,714963	54405,51	15	582,60004	572,5	570
19-12-2019 0:00	15:29:00	19,766348	10,598564	53929,094	15	582,10004	571,9	569,4
19-12-2019 0:00	15:30:00	19,603588	10,637378	54212,47	15	583,9	573,7	570,9
19-12-2019 0:00	15:31:00	19,540293	10,6537485	54218,547	15	582,5	572,5	569,9
19-12-2019 0:00	15:32:00	19,901981	10,691318	54541,85	15	581,5	571,7	569,3
19-12-2019 0:00	15:33:00	19,748264	10,708226	54551,73	15	582,7	572,3	569,7
19-12-2019 0:00	15:34:00	19,721136	10,637426	54073,27	15	582,9	572,7	570,3
19-12-2019 0:00	15:35:00	19,956236	10,662305	54144,883	15,100006	581,2	571,5	569,10004
19-12-2019 0:00	15:36:00	19,31062	10,726337	54434,46	15,100006	581,2	571,10004	568,5
19-12-2019 0:00	15:37:00	19,932726	10,613422	54004,695	15,100006	583,7	573,3	570,5
19-12-2019 0:00	15:38:00	19,428167	10,708716	54357,42	15,100006	583,5	573,3	570,7
19-12-2019 0:00	15:39:00	20,02134	10,635063	54114,81	15,100006	584,10004	573,9	571,3
19-12-2019 0:00	15:40:00	19,930918	10,74685	54683,62	15	583,3	573,5	570,9
19-12-2019 0:00	15:41:00	20,001446	10,760987	54738,64	15	582,10004	572,3	569,9
19-12-2019 0:00	15:42:00	19,929108	10,736116	54597,19	15	582,3	572,5	569,9
19-12-2019 0:00	15:43:00	20,203993	10,694181	54511,99	15,100006	581,7	571,8	569,5
19-12-2019 0:00	15:44:00	19,88028	10,676756	54326,957	15,100006	581,3	571,4	569,10004
19-12-2019 0:00	15:45:00	20,010489	10,7180395	54416,707	15,100006	581,5	571,4	568,9
19-12-2019 0:00	15:46:00	19,896557	10,618853	54216,125	15,100006	581,3	571,4	569
19-12-2019 0:00	15:47:00	19,976128	10,6818075	54346,938	15,100006	581,3	571,60004	569
19-12-2019 0:00	15:48:00	19,816984	10,735688	54749,836	15,100006	581,3	571,4	569
19-12-2019 0:00	15:49:00	20,142506	10,7144375	54398,184	15,100006	581,5	571,60004	569,2
19-12-2019 0:00	15:50:00	19,397425	10,663863	54323,85	15,100006	581,5	571,60004	569,2



DATOS	61	61	61	61	61	61	61
PROMEDIO	19,8	10,7	54.260	15,1	583	573	570
DESV EST	0,23	0,0535	271	0,09	0,90	0,86	0,79
DESV EST %	0,0118	0,0050	0,0050	0,0061	0,0015	0,0015	0,0014
MAX	20,2	10,76	54.750	15,2	585	575	572
MIN	19,31	10,49	53245,31	14,90	581,20	571,10	568,50

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	15:51:00	19,446253	10,673931	54504,613	15,100006	584,5	574	571,2
19-12-2019 0:00	15:52:00	19,83507	10,695105	54441,78	15,100006	584,7	574,60004	571,8
19-12-2019 0:00	15:53:00	19,627098	10,679031	54369,984	15,100006	584,7	574,60004	572
19-12-2019 0:00	15:54:00	19,860388	10,681734	54352,29	15,100006	584,7	574,60004	571,9
19-12-2019 0:00	15:55:00	20,086443	10,574393	53806,1	15,100006	582,60004	573	570,7
19-12-2019 0:00	15:56:00	19,668692	10,668743	54458,65	15,100006	583	573	570,5
19-12-2019 0:00	15:57:00	19,576462	10,698677	54323,543	15,100006	582,4	572,60004	570,10004
19-12-2019 0:00	15:58:00	19,820602	10,655264	54333,45	15,100006	582,8	573	570,5
19-12-2019 0:00	15:59:00	20,084635	10,675771	54287,848	15,199997	582,4	572,60004	570,3
19-12-2019 0:00	16:00:00	20,178675	10,67067	54189,473	15,199997	583	573	570,5
19-12-2019 0:00	16:01:00	19,35583	10,710291	54370,07	15,199997	583,2	573	570,60004
19-12-2019 0:00	16:02:00	20,010489	10,68546	54190,94	15,199997	582,8	573	570,4
19-12-2019 0:00	16:03:00	19,849537	10,485538	53245,31	15,199997	582,60004	572,60004	570,2
19-12-2019 0:00	16:04:00	19,907408	10,676181	54351,04	15,199997	583	573	570,4
19-12-2019 0:00	16:05:00	19,455296	10,67748	54389,9	15,199997	582,8	573	570,4
19-12-2019 0:00	16:06:00	20,200377	10,526884	53761,758	15,199997	582,8	572,9	570,4
19-12-2019 0:00	16:07:00	19,874855	10,740982	54533,03	15,199997	582,8	572,7	570,2
19-12-2019 0:00	16:08:00	19,581886	10,604287	53958,21	15,199997	583,4	573,5	570,8
19-12-2019 0:00	16:09:00	19,618055	10,68621	54298,69	15,199997	584	573,9	571,4
19-12-2019 0:00	16:10:00	20,061125	10,611002	53992,375	15,199997	584	574,10004	571,60004
19-12-2019 0:00	16:11:00	19,804325	10,75568	54602,496	15,199997	582,60004	572,9	570,4
19-12-2019 0:00	16:12:00	19,996021	10,678931	54235,637	15,199997	583,4	573,3	570,8
19-12-2019 0:00	16:13:00	19,768156	10,663756	54412,066	15,199997	583	573,10004	570,7
19-12-2019 0:00	16:14:00	19,621672	10,6669855	54128,184	15,199997	583,4	573,5	571,10004
19-12-2019 0:00	16:15:00	20,006872	10,646392	54327,67	15,199997	582,8	573,10004	570,5



DATOS	61	61	61	61	61	61	61
PROMEDIO	571	571	575	50,0	187	15,64	6,97
DESV EST	0,84	0,88	0,89	0,05	0,7	0,0034	0,0357
DESV EST %	0,0015	0,0015	0,0015	0,0010	0,0039	0,0002	0,0051
MAX	573	573	577	50,1	189	15,65	7,03
MIN	568,70	569,00	572,40	49,90	184,93	15,62	6,87

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	15:15:00	570	570	574	50,124214	187,18315	15,622359	7,0003257
19-12-2019 0:00	15:16:00	570	570	574	50,03562	186,20659	15,646412	7,0003257
19-12-2019 0:00	15:17:00	570,9	570,8	575	50,084618	187,61717	15,646412	7,0007234
19-12-2019 0:00	15:18:00	570,9	571,4	575	50,122562	186,96614	15,646412	6,888129
19-12-2019 0:00	15:19:00	569,8	570,3	573,8	50,118168	185,53384	15,646412	6,9406466
19-12-2019 0:00	15:20:00	570,8	570,3	573,8	50,05843	186,03297	15,634729	6,9414425
19-12-2019 0:00	15:21:00	570,8	570,9	574,4	50,050236	186,64061	15,634729	6,9832177
19-12-2019 0:00	15:22:00	570,8	570,9	574,4	50,057278	186,2717	15,634729	6,9832177
19-12-2019 0:00	15:23:00	570,2	570,2	574	50,084927	186,46701	15,634729	6,9967446
19-12-2019 0:00	15:24:00	570,2	570,2	574	50,11672	187,74739	15,634729	6,976454
19-12-2019 0:00	15:25:00	570,2	570,2	574	50,116657	185,29514	15,634729	6,9438295
19-12-2019 0:00	15:26:00	570,2	570,2	574	50,11832	185,18663	15,634729	6,9438295
19-12-2019 0:00	15:27:00	570,2	570,2	574	50,01913	186,3802	15,634729	6,9438295
19-12-2019 0:00	15:28:00	570,2	571,2	575,10004	50,039112	187,63889	15,634729	6,9943576
19-12-2019 0:00	15:29:00	570,2	570	574	50,07495	184,92621	15,634729	6,8849463
19-12-2019 0:00	15:30:00	571,4	571,10004	575,10004	50,014736	187,55208	15,634729	6,9776473
19-12-2019 0:00	15:31:00	571,4	571,10004	575,10004	50,051517	186,72742	15,634729	6,9776473
19-12-2019 0:00	15:32:00	570,4	570	574	50,049038	186,2717	15,634729	6,9374638
19-12-2019 0:00	15:33:00	569,8	570	573,5	50,07149	187,20485	15,634729	6,9545717
19-12-2019 0:00	15:34:00	570,9	571,10004	574,60004	50,05153	186,03297	15,634729	6,9947553
19-12-2019 0:00	15:35:00	569,8	570	573,5	50,07969	185,25172	15,634729	6,939453
19-12-2019 0:00	15:36:00	568,7	569	572,4	50,09116	186,87933	15,634729	6,942636
19-12-2019 0:00	15:37:00	571,10004	571,4	574,8	49,981174	186,83592	15,634729	6,9951534
19-12-2019 0:00	15:38:00	571,10004	571,4	575,2	50,024155	187,18315	15,634729	7,0285735
19-12-2019 0:00	15:39:00	571,9	572	575,2	50,02802	186,85764	15,634729	6,9891853
19-12-2019 0:00	15:40:00	571,9	572	575,7	50,008545	186,61891	15,634729	6,9358726
19-12-2019 0:00	15:41:00	570,9	570,8	574,5	50,055042	186,94444	15,634729	7,026982
19-12-2019 0:00	15:42:00	570,5	570,8	574,2	50,070873	186,87933	15,634729	6,995551
19-12-2019 0:00	15:43:00	570,5	570,8	574,2	50,056656	186,61891	15,634729	6,9867983
19-12-2019 0:00	15:44:00	569,7	570	573,2	49,987328	185,68576	15,634729	6,9867983
19-12-2019 0:00	15:45:00	569,7	570	573,2	50,066723	186,81422	15,634729	6,9673033
19-12-2019 0:00	15:46:00	569,5	569,60004	573,2	50,063114	186,22829	15,634729	6,9673033
19-12-2019 0:00	15:47:00	569,5	569,60004	572,9	50,041386	186,4019	15,634729	6,9673033
19-12-2019 0:00	15:48:00	569,5	569,60004	572,9	50,01101	187,05295	15,634729	6,9673033
19-12-2019 0:00	15:49:00	569,5	569,60004	573,5	50,00056	186,3585	15,634729	6,9673033
19-12-2019 0:00	15:50:00	569,5	569,8	573,5	49,96167	186,3151	15,634729	6,9752603



DATOS	61	61	61	61	61	61	61
PROMEDIO	571	571	575	50,0	187	15,64	6,97
DESV EST	0,84	0,88	0,89	0,05	0,7	0,0034	0,0357
DESV EST %	0,0015	0,0015	0,0015	0,0010	0,0039	0,0002	0,0051
MAX	573	573	577	50,1	189	15,65	7,03
MIN	568,70	569,00	572,40	49,90	184,93	15,62	6,87

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	15:51:00	571,8	572,10004	575,8	49,90245	187,33507	15,634729	6,9748626
19-12-2019 0:00	15:52:00	572,60004	573	576,60004	49,959866	186,94444	15,634729	7,0349393
19-12-2019 0:00	15:53:00	572,60004	573	576,60004	49,961994	186,46701	15,634729	6,997143
19-12-2019 0:00	15:54:00	572,60004	573	576,60004	50,012337	186,4236	15,634729	6,979239
19-12-2019 0:00	15:55:00	571,5	571,9	575,5	49,928978	186,05467	15,634729	6,979239
19-12-2019 0:00	15:56:00	570,9	571,10004	574,3	50,039486	187,07465	15,634729	6,9836154
19-12-2019 0:00	15:57:00	570,9	571,10004	574,3	49,996357	185,98958	15,634729	6,9975405
19-12-2019 0:00	15:58:00	570,9	571,10004	574,7	50,024677	185,12152	15,634729	6,8710213
19-12-2019 0:00	15:59:00	570,9	571,2	574,7	49,992226	186,87933	15,634729	6,9406466
19-12-2019 0:00	16:00:00	570,9	571,2	574,7	49,97485	186,20659	15,634729	6,950593
19-12-2019 0:00	16:01:00	571,4	571,2	574,7	50,00321	188,50694	15,634729	7,0249925
19-12-2019 0:00	16:02:00	571,4	571,60004	574,7	50,01399	186,64061	15,634729	6,9406466
19-12-2019 0:00	16:03:00	570,60004	570,9	574,7	49,973896	185,25172	15,634729	6,9159794
19-12-2019 0:00	16:04:00	570,60004	570,9	574,4	49,969975	186,90103	15,634729	6,9991317
19-12-2019 0:00	16:05:00	571,10004	571,4	574,4	49,95994	186,72742	15,634729	6,9756584
19-12-2019 0:00	16:06:00	571,10004	571,4	574,8	49,961422	185,94617	15,634729	6,9756584
19-12-2019 0:00	16:07:00	571,10004	571,4	574,8	50,044075	187,55208	15,634729	7,0313582
19-12-2019 0:00	16:08:00	571,10004	571,4	574,8	49,950485	186,4453	15,634729	6,9410443
19-12-2019 0:00	16:09:00	572,10004	571,4	575,9	49,98932	185,12152	15,634729	7,0230036
19-12-2019 0:00	16:10:00	572,10004	572,5	575,9	49,978333	185,83766	15,634729	6,9446254
19-12-2019 0:00	16:11:00	571	571,3	574,8	49,99821	186,64061	15,634729	7,0261865
19-12-2019 0:00	16:12:00	571	571,3	574,8	49,95406	186,09808	15,634729	6,9947553
19-12-2019 0:00	16:13:00	571	571,3	574,8	50,03835	187,00954	15,634729	7,024197
19-12-2019 0:00	16:14:00	571,4	571,60004	574,8	50,007263	186,05467	15,634729	6,933485
19-12-2019 0:00	16:15:00	571,4	571,60004	574,8	50,052208	186,90103	15,634729	6,9744644



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,97	7,01	0,9770	664	3,60	6,674	389
DESV EST	0,0358	0,0291	0,0012	3,3	0,0177	0,001	1,7
DESV EST %	0,0051	0,0042	0,0012	0,0050	0,0049	0,0001	0,0043
MAX	7,04	7,07	0,9798	671	3,66	6,677	392
MIN	6,84	6,94	0,97	651,95	3,57	6,67	384,82

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	15:15:00	6,9307003	7,0480685	0,9776001	668,0664	3,6041088	6,673911	387,74957
19-12-2019 0:00	15:16:00	6,9048395	7,053241	0,9776001	665,1367	3,6041088	6,673911	387,74957
19-12-2019 0:00	15:17:00	7,0023146	6,973271	0,9776001	665,1367	3,6041088	6,673911	387,74957
19-12-2019 0:00	15:18:00	6,950991	6,9414425	0,9776001	658,2031	3,6041088	6,673911	389,26868
19-12-2019 0:00	15:19:00	6,950991	6,9617333	0,9776001	664,35547	3,6041088	6,673911	389,26868
19-12-2019 0:00	15:20:00	6,9788413	7,0130568	0,9776001	660,7422	3,6041088	6,67334	387,6953
19-12-2019 0:00	15:21:00	6,9378614	6,9657116	0,9776001	668,65234	3,601736	6,67334	387,6953
19-12-2019 0:00	15:22:00	6,945023	6,9605393	0,9776001	666,21094	3,601736	6,67334	387,6953
19-12-2019 0:00	15:23:00	6,94184	7,0023146	0,9776001	663,28125	3,601736	6,67334	390,0825
19-12-2019 0:00	15:24:00	6,996347	7,0023146	0,9776001	663,28125	3,601736	6,67334	390,0825
19-12-2019 0:00	15:25:00	6,9326897	7,0023146	0,9759521	663,28125	3,601736	6,67334	387,64108
19-12-2019 0:00	15:26:00	6,9478083	6,968497	0,9759521	658,8867	3,601736	6,67334	387,64108
19-12-2019 0:00	15:27:00	7,0432944	6,9557652	0,9781494	658,8867	3,601736	6,67334	389,16016
19-12-2019 0:00	15:28:00	7,003508	6,9935617	0,9781494	663,8672	3,6041088	6,67334	389,16016
19-12-2019 0:00	15:29:00	6,8443646	6,9911747	0,9752808	663,8672	3,6041088	6,67334	389,16016
19-12-2019 0:00	15:30:00	7,017433	7,074725	0,9752808	663,8672	3,6106336	6,67334	389,16016
19-12-2019 0:00	15:31:00	7,036133	7,0202184	0,9762573	663,8672	3,6106336	6,67334	389,16016
19-12-2019 0:00	15:32:00	6,9553676	6,965314	0,9762573	663,8672	3,6106336	6,67334	391,60156
19-12-2019 0:00	15:33:00	6,9553676	7,0540366	0,9762573	663,8672	3,6106336	6,67334	388,61765
19-12-2019 0:00	15:34:00	7,003508	7,0281754	0,9762573	663,8672	3,6106336	6,67334	388,61765
19-12-2019 0:00	15:35:00	6,945023	6,9696903	0,9777832	658,9844	3,6106336	6,67334	388,61765
19-12-2019 0:00	15:36:00	6,9788413	7,004304	0,9777832	659,375	3,6106336	6,67334	388,61765
19-12-2019 0:00	15:37:00	6,9788413	7,004304	0,9777832	665,52734	3,6106336	6,67334	388,61765
19-12-2019 0:00	15:38:00	6,9517865	7,004304	0,9777832	665,52734	3,6106336	6,67334	388,61765
19-12-2019 0:00	15:39:00	6,9915724	7,004304	0,9777832	662,20703	3,6106336	6,67334	389,97397
19-12-2019 0:00	15:40:00	6,9406466	7,021014	0,9768066	665,2344	3,6106336	6,67334	389,97397
19-12-2019 0:00	15:41:00	6,9812284	6,996347	0,9768066	665,2344	3,6106336	6,67334	389,97397
19-12-2019 0:00	15:42:00	6,9812284	7,0142503	0,9768066	665,2344	3,6106336	6,67334	389,10593
19-12-2019 0:00	15:43:00	6,9812284	7,0142503	0,9768066	663,08594	3,6106336	6,67334	389,10593
19-12-2019 0:00	15:44:00	6,9812284	7,0142503	0,9768066	668,45703	3,6106336	6,67334	389,10593
19-12-2019 0:00	15:45:00	6,9812284	7,0142503	0,9768066	666,3086	3,6106336	6,67334	389,10593
19-12-2019 0:00	15:46:00	6,8996673	7,0142503	0,9768066	662,6953	3,6248696	6,6741967	391,27606
19-12-2019 0:00	15:47:00	6,9887877	7,021412	0,9768066	659,47266	3,643258	6,672197	391,27606
19-12-2019 0:00	15:48:00	6,945023	7,0226054	0,9780273	664,16016	3,6100404	6,6724825	391,27606
19-12-2019 0:00	15:49:00	6,9557652	6,992766	0,9780273	661,1328	3,6551213	6,6724825	391,27606
19-12-2019 0:00	15:50:00	6,9895835	6,9915724	0,9780273	666,1133	3,5993633	6,6736255	391,27606



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,97	7,01	0,9770	664	3,60	6,674	389
DESV EST	0,0358	0,0291	0,0012	3,3	0,0177	0,001	1,7
DESV EST %	0,0051	0,0042	0,0012	0,0050	0,0049	0,0001	0,0043
MAX	7,04	7,07	0,9798	671	3,66	6,677	392
MIN	6,84	6,94	0,97	651,95	3,57	6,67	384,82

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	15:51:00	6,9895835	7,0234013	0,973938	666,1133	3,6462238	6,6736255	391,27606
19-12-2019 0:00	15:52:00	6,9895835	7,067166	0,973938	670,9961	3,6005497	6,6736255	391,27606
19-12-2019 0:00	15:53:00	6,998734	7,021014	0,9768066	662,20703	3,636733	6,67334	387,53256
19-12-2019 0:00	15:54:00	6,9525824	7,021014	0,9768066	668,16406	3,6112268	6,6756253	387,53256
19-12-2019 0:00	15:55:00	7,004304	7,021014	0,9768066	671,4844	3,6112268	6,6741967	390,24524
19-12-2019 0:00	15:56:00	6,987196	7,018627	0,9768066	667,28516	3,6112268	6,6741967	387,53256
19-12-2019 0:00	15:57:00	6,987196	7,0301647	0,9768066	663,3789	3,5744503	6,6741967	387,53256
19-12-2019 0:00	15:58:00	6,987196	6,953378	0,9768066	651,9531	3,5744503	6,6741967	387,53256
19-12-2019 0:00	15:59:00	6,9454207	7,020616	0,9797974	659,96094	3,6076677	6,6741967	387,53256
19-12-2019 0:00	16:00:00	6,9633245	7,0226054	0,9797974	668,65234	3,5750432	6,6741967	386,93576
19-12-2019 0:00	16:01:00	6,987594	7,0226054	0,977356	662,79297	3,5750432	6,6741967	386,93576
19-12-2019 0:00	16:02:00	6,987594	7,052445	0,977356	660,7422	3,6076677	6,6741967	386,93576
19-12-2019 0:00	16:03:00	6,9307003	7,0146484	0,977356	661,6211	3,6076677	6,6741967	386,93576
19-12-2019 0:00	16:04:00	6,992368	7,0146484	0,977356	665,03906	3,6076677	6,6741967	388,2921
19-12-2019 0:00	16:05:00	6,94741	6,9657116	0,9750977	665,03906	3,5768228	6,6741967	388,2921
19-12-2019 0:00	16:06:00	6,990379	7,0142503	0,9750977	665,03906	3,5768228	6,6741967	386,71875
19-12-2019 0:00	16:07:00	7,0428963	7,0480685	0,979126	665,03906	3,5768228	6,6741967	386,71875
19-12-2019 0:00	16:08:00	6,990777	7,0090785	0,979126	664,35547	3,5768228	6,676197	386,71875
19-12-2019 0:00	16:09:00	6,939453	6,9915724	0,9772339	664,35547	3,5768228	6,671911	384,8199
19-12-2019 0:00	16:10:00	7,032154	7,0540366	0,975769	668,65234	3,5768228	6,6736255	384,8199
19-12-2019 0:00	16:11:00	6,9836154	6,961335	0,975769	666,21094	3,5768228	6,6736255	384,8199
19-12-2019 0:00	16:12:00	6,9836154	7,019025	0,975769	666,21094	3,5768228	6,672768	386,39325
19-12-2019 0:00	16:13:00	6,9657116	7,001121	0,9750366	666,1133	3,5768228	6,6770544	386,39325
19-12-2019 0:00	16:14:00	6,900065	7,001121	0,9750366	666,1133	3,6135995	6,6713395	389,16016
19-12-2019 0:00	16:15:00	6,9557652	7,001121	0,9761353	663,6719	3,6135995	6,6736255	389,16016





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	182,9	79,58	21,1	0,810	45,9	59,1	183,9	12,39
DESV EST	0,6	1,43	0,05	0,008	0,19	0,85	0,54	0,05
DESV EST %	0,0035	0,0180	0,0026	0,0100	0,0041	0,0145	0,0029	0,0037
MAX	184,2	81,86	21,2	0,827	46,3	60,2	185,1	12,65
MIN	181,26	75,38	20,98	0,79	45,36	57,84	182,97	12,32

UNIT LOAD SETPOINT		F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR	
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	15:15:00	184,01247	77,43637	21,225044	0,8141819	46,02082	58,506428	184,65279	12,403938
19-12-2019 0:00	15:16:00	183,05466	77,99282	21,13173	0,806631	46,240185	58,3878	184,65279	12,434598
19-12-2019 0:00	15:17:00	184,0975	78,31565	21,178387	0,8139576	46,054	58,55193	184,83508	12,429525
19-12-2019 0:00	15:18:00	183,54904	78,2965	21,202257	0,8171023	45,935143	58,612343	185,0521	12,430418
19-12-2019 0:00	15:19:00	183,61414	77,8654	21,156685	0,8125325	46,09181	58,507465	184,52258	12,403227
19-12-2019 0:00	15:20:00	182,13632	78,8288	21,1556	0,7950626	46,159267	58,52496	184,59203	12,429119
19-12-2019 0:00	15:21:00	182,04265	78,45245	21,183811	0,8075774	45,920074	58,386845	184,2014	12,429119
19-12-2019 0:00	15:22:00	182,50287	78,4358	21,154514	0,8148914	46,11704	58,25511	184,73091	12,422911
19-12-2019 0:00	15:23:00	183,12035	78,71115	21,185982	0,8148914	45,93717	58,444675	184,8264	12,422911
19-12-2019 0:00	15:24:00	184,03181	79,36482	21,178387	0,8148914	45,695293	58,287857	184,83508	12,422911
19-12-2019 0:00	15:25:00	182,02104	80,92642	21,112198	0,8145372	45,591465	58,20711	184,50522	12,422911
19-12-2019 0:00	15:26:00	182,33376	81,76906	21,14258	0,8145372	45,898758	58,495644	184,8264	12,422911
19-12-2019 0:00	15:27:00	182,58672	80,18751	21,111113	0,8145372	46,09213	58,17706	184,47917	12,422911
19-12-2019 0:00	15:28:00	183,10042	79,62901	21,14041	0,8163311	45,359715	57,94711	184,47917	12,413497
19-12-2019 0:00	15:29:00	181,62355	80,41137	21,094835	0,8090006	46,06551	59,562332	183,81946	12,371869
19-12-2019 0:00	15:30:00	184,20422	80,50127	21,112198	0,8090006	46,0025	59,90267	183,81946	12,371869
19-12-2019 0:00	15:31:00	182,84747	79,93856	21,14258	0,8090006	45,874096	59,72101	183,85417	12,371869
19-12-2019 0:00	15:32:00	183,42593	80,41986	21,120878	0,7975015	46,02834	60,04734	183,48091	12,371869
19-12-2019 0:00	15:33:00	183,50291	80,14727	21,112198	0,8100255	45,939148	60,077293	183,51564	12,344399
19-12-2019 0:00	15:34:00	182,59511	80,11366	21,165365	0,8100255	45,636417	59,55341	184,04515	12,3775215
19-12-2019 0:00	15:35:00	181,89914	80,35442	21,120878	0,8265839	46,180607	59,88303	183,68924	12,3775215
19-12-2019 0:00	15:36:00	183,42476	80,67936	21,162111	0,8075503	45,97396	60,190243	183,86285	12,3775215
19-12-2019 0:00	15:37:00	183,37247	78,91867	21,06988	0,8150983	45,73496	59,633965	183,09897	12,343884
19-12-2019 0:00	15:38:00	182,8974	80,01602	21,153429	0,817229	45,981926	59,94257	183,44618	12,379608
19-12-2019 0:00	15:39:00	182,33115	80,14168	21,09592	0,8138996	45,85801	59,964146	183,79341	12,388924
19-12-2019 0:00	15:40:00	183,48868	79,17223	21,07856	0,8138996	45,641888	60,04331	183,29861	12,347932
19-12-2019 0:00	15:41:00	183,46994	80,05356	21,07856	0,7999101	45,65269	60,19862	183,31598	12,357713
19-12-2019 0:00	15:42:00	182,80135	80,22826	21,121964	0,8013906	46,022755	60,10693	183,68924	12,360594
19-12-2019 0:00	15:43:00	182,8222	79,39014	21,115452	0,8018727	45,81002	60,103382	183,68924	12,366631
19-12-2019 0:00	15:44:00	182,43065	79,48937	21,077475	0,8064177	45,570286	59,834846	183,69792	12,341789
19-12-2019 0:00	15:45:00	182,98456	80,82242	21,137154	0,8136538	45,962177	59,67362	184,21008	12,375643
19-12-2019 0:00	15:46:00	182,43965	81,863335	21,100262	0,8136538	45,70292	59,93908	183,79341	12,375643
19-12-2019 0:00	15:47:00	182,81094	81,07603	21,100262	0,8136538	45,932007	59,768547	183,8368	12,375643
19-12-2019 0:00	15:48:00	182,98717	81,38773	21,055773	0,810007	45,657192	59,81419	183,28993	12,36041
19-12-2019 0:00	15:49:00	182,93463	81,09151	21,048178	0,8051444	45,815254	60,015137	183,6198	12,349438
19-12-2019 0:00	15:50:00	182,68929	81,60447	21,012371	0,8272009	45,691776	59,604515	183,09897	12,349438



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	182,9	79,58	21,1	0,810	45,9	59,1	183,9	12,39
DESV EST	0,6	1,43	0,05	0,008	0,19	0,85	0,54	0,05
DESV EST %	0,0035	0,0180	0,0026	0,0100	0,0041	0,0145	0,0029	0,0037
MAX	184,2	81,86	21,2	0,827	46,3	60,2	185,1	12,65
MIN	181,26	75,38	20,98	0,79	45,36	57,84	182,97	12,32

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	15:51:00	183,01575	81,10599	21,012371	0,8164635	45,816128	59,621418	183,35071	12,320996
19-12-2019 0:00	15:52:00	183,33618	81,10791	21,034073	0,804081	45,74757	59,797432	182,96877	12,327697
19-12-2019 0:00	15:53:00	183,40187	81,331764	21,036242	0,804081	45,725513	59,7901	182,96877	12,357152
19-12-2019 0:00	15:54:00	182,96606	81,09539	21,006945	0,7855083	45,478424	60,150677	183,1771	12,3235
19-12-2019 0:00	15:55:00	182,97021	81,44873	20,976564	0,7935532	45,6559	59,8525	183,3073	12,327012
19-12-2019 0:00	15:56:00	183,7714	81,62048	21,0612	0,817222	45,775227	58,17367	184,48785	12,3943405
19-12-2019 0:00	15:57:00	182,91519	81,09245	21,051434	0,8043666	45,742912	58,16129	184,04515	12,382691
19-12-2019 0:00	15:58:00	181,25606	80,3265	21,006945	0,8080522	45,755016	58,20837	184,34029	12,4050665
19-12-2019 0:00	15:59:00	183,4039	79,12873	21,064455	0,8206131	45,98028	58,32172	184,38368	12,4050665
19-12-2019 0:00	16:00:00	183,1717	78,44626	21,066624	0,8033113	45,899807	58,320553	184,21008	12,39257
19-12-2019 0:00	16:01:00	182,9631	78,594795	21,07422	0,8033113	46,001144	58,259514	184,21877	12,39257
19-12-2019 0:00	16:02:00	182,96904	79,40813	21,07422	0,8139367	45,836906	58,47802	184,21877	12,39257
19-12-2019 0:00	16:03:00	182,11818	78,24199	21,07422	0,8139367	45,75621	57,87672	184,04515	12,378002
19-12-2019 0:00	16:04:00	183,30853	78,90941	21,067709	0,8046397	45,938046	58,173763	184,04515	12,378002
19-12-2019 0:00	16:05:00	183,47435	78,709175	21,028646	0,8180015	45,807644	57,837246	183,81946	12,361391
19-12-2019 0:00	16:06:00	182,69986	78,24108	21,057943	0,8073213	45,771355	57,836002	184,21877	12,403652
19-12-2019 0:00	16:07:00	184,20718	78,2285	21,176216	0,8242961	45,731117	58,33213	184,50522	12,3911915
19-12-2019 0:00	16:08:00	183,04709	78,62419	21,050348	0,801945	45,9511	57,95137	183,96703	12,3911915
19-12-2019 0:00	16:09:00	182,46504	77,859604	21,068794	0,8032321	45,923523	58,214912	183,81078	12,41288
19-12-2019 0:00	16:10:00	182,138	78,17893	21,094835	0,8116406	45,69938	58,242813	184,15799	12,431571
19-12-2019 0:00	16:11:00	183,3171	76,94841	21,110027	0,8168998	46,2865	58,233192	183,81946	12,414151
19-12-2019 0:00	16:12:00	181,82622	75,375145	21,046007	0,803116	46,0364	59,904026	183,55904	12,358059
19-12-2019 0:00	16:13:00	182,94936	76,04172	21,143663	0,8208222	46,111485	60,217438	183,14236	12,362092
19-12-2019 0:00	16:14:00	182,79128	79,83328	21,1556	0,7917948	45,80302	60,060017	183,66321	12,406209
19-12-2019 0:00	16:15:00	183,2649	80,378975	21,134983	0,8110839	46,058468	60,1771	183,35071	12,650449



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	73,45	0,20	8,02	16,85	1.894,29	88,53	87,35	23,77
DESV EST	0,22	0,11	0,48	0,08	18,12	0,13	0,12	0,04
DESV EST %	0,0029	0,5232	0,0594	0,0048	0,0096	0,0014	0,0014	0,0017
MAX	73,85	0,60	9,05	17,01	1930,67	88,81	87,58	23,86
MIN	73,09	0,10	7,14	16,68	1870,81	88,32	87,14	23,69

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01	11LAF10CF001  XQ01	11LCA31CF001  XQ01	11LCA30CP001  XQ01	10LAA10FL901  XQ01	10LBA10FP004  XQ01	10MAA50CP001  XQ01	10LBC10FP911  XQ01
		BAR	kg/s	kg/s	BAR	mm	bar	bar	bar
19-12-2019 0:00	15:15:00	73,56771	0,1222174	7,3014975	16,957466	1890,4327	88,31902	87,1412	23,691406
19-12-2019 0:00	15:16:00	73,70153	0,4891242	7,457972	16,946615	1885,7362	88,31902	87,1412	23,691406
19-12-2019 0:00	15:17:00	73,77387	0,5218906	8,388467	17,010635	1890,4392	88,37238	87,1412	23,729746
19-12-2019 0:00	15:18:00	73,734085	0,1025172	8,581585	16,970488	1887,5073	88,37238	87,1412	23,729746
19-12-2019 0:00	15:19:00	73,70515	0,117608	7,605581	16,907553	1883,1135	88,40651	87,21643	23,729746
19-12-2019 0:00	15:20:00	73,70515	0,1187274	8,361865	16,971573	1882,0549	88,40651	87,21643	23,729746
19-12-2019 0:00	15:21:00	73,70515	0,1960795	8,0628395	16,927084	1883,8832	88,40651	87,21643	23,729746
19-12-2019 0:00	15:22:00	73,70515	0,109939	7,5968204	16,976997	1875,9852	88,42018	87,26852	23,729746
19-12-2019 0:00	15:23:00	73,770256	0,2836759	8,724617	16,959637	1876,8184	88,42018	87,26852	23,762299
19-12-2019 0:00	15:24:00	73,770256	0,1120721	7,7017417	16,867405	1875,5806	88,43165	87,26852	23,762299
19-12-2019 0:00	15:25:00	73,70153	0,1824168	8,917956	16,75673	1876,299	88,43165	87,26852	23,762299
19-12-2019 0:00	15:26:00	73,84982	0,1699871	9,049977	16,86849	1879,2869	88,398254	87,21643	23,762299
19-12-2019 0:00	15:27:00	73,77387	0,1606584	8,218929	16,86849	1885,762	88,398254	87,21643	23,762299
19-12-2019 0:00	15:28:00	73,73047	0,1633248	7,666531	16,804472	1888,9675	88,35892	87,21643	23,762299
19-12-2019 0:00	15:29:00	73,43388	0,1032745	7,602867	16,890192	1886,3823	88,39881	87,21643	23,762299
19-12-2019 0:00	15:30:00	73,368774	0,2746734	8,196848	16,93251	1886,0217	88,39881	87,21643	23,762299
19-12-2019 0:00	15:31:00	73,281975	0,151085	7,991807	16,856554	1888,8418	88,3867	87,21643	23,762299
19-12-2019 0:00	15:32:00	73,27112	0,1780283	8,212743	16,85981	1881,5823	88,42945	87,21643	23,762299
19-12-2019 0:00	15:33:00	73,33984	0,1773303	7,7290196	16,848959	1884,0123	88,45451	87,28009	23,762299
19-12-2019 0:00	15:34:00	73,415794	0,1554165	8,312849	16,894531	1887,2045	88,45451	87,28009	23,762299
19-12-2019 0:00	15:35:00	73,415794	0,1383719	7,9983845	16,895617	1879,6743	88,49444	87,28009	23,762299
19-12-2019 0:00	15:36:00	73,415794	0,129524	8,08097	16,856554	1883,9121	88,52047	87,33796	23,762299
19-12-2019 0:00	15:37:00	73,1373	0,1808304	7,1414223	16,825089	1885,0165	88,52047	87,33796	23,762299
19-12-2019 0:00	15:38:00	73,2675	0,1048759	7,675296	16,843534	1876,3893	88,44266	87,33796	23,762299
19-12-2019 0:00	15:39:00	73,33984	0,1289367	8,641848	16,916233	1879,8447	88,44266	87,26852	23,762299
19-12-2019 0:00	15:40:00	73,198784	0,234653	7,2929688	16,803387	1883,4003	88,419945	87,26852	23,723959
19-12-2019 0:00	15:41:00	73,1373	0,1457848	8,227817	16,78711	1876,3596	88,45801	87,26852	23,723959
19-12-2019 0:00	15:42:00	73,376015	0,1802592	7,39435	16,85764	1874,9645	88,493614	87,26852	23,723959
19-12-2019 0:00	15:43:00	73,376015	0,2139604	7,955971	16,85764	1878,5114	88,531845	87,35532	23,723959
19-12-2019 0:00	15:44:00	73,376015	0,1345909	7,2678075	16,832684	1876,8535	88,580414	87,35532	23,723959
19-12-2019 0:00	15:45:00	73,57856	0,1123157	7,912508	16,897787	1870,8103	88,61196	87,418976	23,723959
19-12-2019 0:00	15:46:00	73,41218	0,2091063	8,105279	16,788195	1877,3492	88,61196	87,418976	23,723959
19-12-2019 0:00	15:47:00	73,3724	0,2315418	7,5969257	16,79796	1877,4734	88,61196	87,418976	23,766726
19-12-2019 0:00	15:48:00	73,20602	0,3014045	8,557919	16,769749	1880,6741	88,61196	87,418976	23,766726
19-12-2019 0:00	15:49:00	73,28559	0,3454599	8,425057	16,713326	1882,2548	88,595924	87,418976	23,766726
19-12-2019 0:00	15:50:00	73,16261	0,129091	8,626385	16,702475	1885,706	88,595924	87,418976	23,766726



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	73,45	0,20	8,02	16,85	1.894,29	88,53	87,35	23,77
DESV EST	0,22	0,11	0,48	0,08	18,12	0,13	0,12	0,04
DESV EST %	0,0029	0,5232	0,0594	0,0048	0,0096	0,0014	0,0014	0,0017
MAX	73,85	0,60	9,05	17,01	1930,67	88,81	87,58	23,86
MIN	73,09	0,10	7,14	16,68	1870,81	88,32	87,14	23,69

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	15:51:00	73,16261	0,1581563	7,8251314	16,702475	1885,2881	88,53421	87,418976	23,766726
19-12-2019 0:00	15:52:00	73,08666	0,1098026	7,4588532	16,679688	1887,87	88,496155	87,30324	23,766726
19-12-2019 0:00	15:53:00	73,08666	0,157047	7,685517	16,78711	1890,4363	88,46672	87,30324	23,766726
19-12-2019 0:00	15:54:00	73,08666	0,1214653	7,8901057	16,679688	1898,014	88,46672	87,30324	23,766726
19-12-2019 0:00	15:55:00	73,1373	0,1849421	7,73485	16,71224	1893,5662	88,51018	87,30324	23,73423
19-12-2019 0:00	15:56:00	73,723236	0,1394577	8,548764	16,847874	1903,9114	88,545395	87,30324	23,73423
19-12-2019 0:00	15:57:00	73,48452	0,2443914	8,3304205	16,691624	1916,7947	88,57276	87,40162	23,73423
19-12-2019 0:00	15:58:00	73,58941	0,2857876	8,27624	16,75673	1910,3541	88,59063	87,40162	23,73423
19-12-2019 0:00	15:59:00	73,71238	0,1417178	8,378491	16,843534	1920,8677	88,635475	87,47106	23,73423
19-12-2019 0:00	16:00:00	73,56047	0,2308072	7,5830555	16,793621	1925,2122	88,66239	87,47106	23,791235
19-12-2019 0:00	16:01:00	73,48452	0,2670418	7,497974	16,867405	1916,6454	88,66239	87,47106	23,791235
19-12-2019 0:00	16:02:00	73,57856	0,4036964	8,708619	16,902128	1922,6074	88,689224	87,47106	23,791235
19-12-2019 0:00	16:03:00	73,48452	0,2789936	8,664531	16,810982	1925,0691	88,689224	87,47106	23,791235
19-12-2019 0:00	16:04:00	73,44835	0,1374812	7,9145083	16,865234	1918,7671	88,70181	87,52893	23,791235
19-12-2019 0:00	16:05:00	73,44835	0,3894095	7,8385005	16,85764	1921,4019	88,70181	87,52893	23,83753
19-12-2019 0:00	16:06:00	73,498985	0,1421784	7,9496737	16,85764	1928,4585	88,70181	87,52893	23,83753
19-12-2019 0:00	16:07:00	73,51345	0,1069583	7,5168486	16,85764	1924,0708	88,68244	87,52893	23,83753
19-12-2019 0:00	16:08:00	73,556854	0,210421	7,7022796	16,907553	1924,3402	88,68244	87,50578	23,83753
19-12-2019 0:00	16:09:00	73,556854	0,2564228	7,689088	16,838108	1930,6713	88,68244	87,50578	23,83753
19-12-2019 0:00	16:10:00	73,556854	0,1673753	7,3631325	16,86849	1926,7804	88,68244	87,50578	23,83753
19-12-2019 0:00	16:11:00	73,44835	0,2902999	8,708343	16,957466	1922,5234	88,68244	87,50578	23,83753
19-12-2019 0:00	16:12:00	73,159	0,1444704	7,5997124	16,978083	1920,1887	88,72015	87,50578	23,83753
19-12-2019 0:00	16:13:00	73,151764	0,2434656	8,542978	16,895617	1906,2402	88,72015	87,50578	23,83753
19-12-2019 0:00	16:14:00	73,2675	0,6041168	8,726768	16,805557	1895,4211	88,77096	87,575226	23,83753
19-12-2019 0:00	16:15:00	73,2675	0,1007856	8,397599	16,890192	1891,3776	88,80569	87,575226	23,864296



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	22,96	22,57	2,58	3,50	2,71	2,72	0,05	528,60
DESV EST	0,04	0,04	0,02	0,04	0,04	0,02	0,00	0,24
DESV EST %	0,0018	0,0017	0,0083	0,0110	0,0159	0,0078	0,0107	0,0005
MAX	23,04	22,65	2,63	3,57	2,76	2,76	0,05	529,02
MIN	22,91	22,52	2,55	3,43	2,63	2,68	0,05	528,31

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	15:15:00	22,906033	22,521702	2,5536022	3,4590263	2,749499	2,712886	0,0466718	528,31305
19-12-2019 0:00	15:16:00	22,914446	22,521702	2,57024	3,483284	2,6509595	2,6921499	0,0466718	528,31305
19-12-2019 0:00	15:17:00	22,914446	22,521702	2,6082175	3,535419	2,6540432	2,715418	0,04672	528,31305
19-12-2019 0:00	15:18:00	22,924149	22,521702	2,5666232	3,4680777	2,7017357	2,7424235	0,04672	528,50116
19-12-2019 0:00	15:19:00	22,93432	22,554255	2,5698783	3,4669914	2,7494197	2,7309704	0,04672	528,50116
19-12-2019 0:00	15:20:00	22,943478	22,554255	2,5970051	3,5357814	2,697491	2,7142124	0,0465392	528,50116
19-12-2019 0:00	15:21:00	22,943478	22,554255	2,5991752	3,477129	2,6556861	2,7115602	0,0465392	528,50116
19-12-2019 0:00	15:22:00	22,948359	22,554255	2,56807	3,4543195	2,713648	2,718432	0,0465392	528,50116
19-12-2019 0:00	15:23:00	22,948359	22,554255	2,5720484	3,5549698	2,7027075	2,7185526	0,0466959	528,50116
19-12-2019 0:00	15:24:00	22,948359	22,554255	2,56807	3,507903	2,7192426	2,7221694	0,0466959	528,50116
19-12-2019 0:00	15:25:00	22,952772	22,554255	2,581814	3,4525094	2,7477875	2,7221694	0,0466959	528,50116
19-12-2019 0:00	15:26:00	22,958546	22,565105	2,5970051	3,483284	2,7509184	2,7221694	0,0466959	528,50116
19-12-2019 0:00	15:27:00	22,950966	22,565105	2,5687933	3,535057	2,7349584	2,7139714	0,0466959	528,50116
19-12-2019 0:00	15:28:00	22,941717	22,565105	2,5655382	3,4369411	2,699421	2,7338638	0,0466959	528,50116
19-12-2019 0:00	15:29:00	22,95145	22,565105	2,5836225	3,4698877	2,738719	2,7234955	0,0466959	528,50116
19-12-2019 0:00	15:30:00	22,95145	22,565105	2,5760272	3,5368676	2,6898954	2,704688	0,0466959	528,50116
19-12-2019 0:00	15:31:00	22,93953	22,565105	2,5810907	3,464457	2,7097867	2,7144535	0,0466959	528,50116
19-12-2019 0:00	15:32:00	22,93953	22,565105	2,5727718	3,4543195	2,6531024	2,715177	0,0468527	528,50116
19-12-2019 0:00	15:33:00	22,93953	22,565105	2,5709634	3,5636592	2,7441373	2,6940787	0,0468527	528,50116
19-12-2019 0:00	15:34:00	22,93953	22,565105	2,560836	3,4966798	2,6567695	2,7558057	0,0468527	528,4306
19-12-2019 0:00	15:35:00	22,93953	22,554255	2,5615594	3,450337	2,6627033	2,7523096	0,0468527	528,4306
19-12-2019 0:00	15:36:00	22,948328	22,554255	2,59592	3,5314364	2,7361643	2,702036	0,0468527	528,4306
19-12-2019 0:00	15:37:00	22,936049	22,554255	2,547092	3,4988518	2,732818	2,7430263	0,0468527	528,4306
19-12-2019 0:00	15:38:00	22,927698	22,554255	2,5546875	3,4405618	2,739203	2,7391684	0,0468527	528,4306
19-12-2019 0:00	15:39:00	22,9168	22,554255	2,5973668	3,5223851	2,6437843	2,7114396	0,0466718	528,4306
19-12-2019 0:00	15:40:00	22,907898	22,554255	2,6085792	3,5046449	2,7417076	2,680335	0,0466718	528,4306
19-12-2019 0:00	15:41:00	22,910881	22,528214	2,5774739	3,448165	2,6485617	2,7355516	0,0466718	528,4306
19-12-2019 0:00	15:42:00	22,922327	22,528214	2,5919414	3,4778528	2,7467904	2,688533	0,0467924	528,4306
19-12-2019 0:00	15:43:00	22,935535	22,528214	2,6118343	3,5383158	2,646136	2,7454376	0,0467924	528,6422
19-12-2019 0:00	15:44:00	22,935535	22,528214	2,613643	3,4611988	2,7426143	2,6974545	0,0469491	528,6422
19-12-2019 0:00	15:45:00	22,943743	22,560764	2,5651765	3,5031967	2,6428993	2,744473	0,0470938	528,6422
19-12-2019 0:00	15:46:00	22,95184	22,560764	2,5904946	3,5546079	2,74495	2,694561	0,0470938	528,6422
19-12-2019 0:00	15:47:00	22,95184	22,560764	2,5536022	3,4684396	2,746578	2,6950433	0,0472385	528,6422
19-12-2019 0:00	15:48:00	22,95839	22,560764	2,5583043	3,5368676	2,6359882	2,7426646	0,0474555	528,31305
19-12-2019 0:00	15:49:00	22,95839	22,560764	2,5673466	3,4731464	2,6288753	2,701433	0,0474555	528,31305
19-12-2019 0:00	15:50:00	22,954247	22,560764	2,5601127	3,4966798	2,6384768	2,7523093	0,0472625	528,31305



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	22,96	22,57	2,58	3,50	2,71	2,72	0,05	528,60
DESV EST	0,04	0,04	0,02	0,04	0,04	0,02	0,00	0,24
DESV EST %	0,0018	0,0017	0,0083	0,0110	0,0159	0,0078	0,0107	0,0005
MAX	23,04	22,65	2,63	3,57	2,76	2,76	0,05	529,02
MIN	22,91	22,52	2,55	3,43	2,63	2,68	0,05	528,31

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	15:51:00	22,954247	22,560764	2,5579426	3,4966798	2,74932	2,6955254	0,0474795	528,31305
19-12-2019 0:00	15:52:00	22,928621	22,560764	2,6013453	3,4532337	2,7359092	2,6894977	0,0474795	528,31305
19-12-2019 0:00	15:53:00	22,917458	22,560764	2,5760272	3,4992142	2,7445412	2,6853986	0,0474795	528,31305
19-12-2019 0:00	15:54:00	22,917458	22,560764	2,5727718	3,548091	2,7357385	2,6897388	0,0474795	528,31305
19-12-2019 0:00	15:55:00	22,912321	22,560764	2,5507088	3,450337	2,738912	2,6917882	0,0476483	528,31305
19-12-2019 0:00	15:56:00	22,937967	22,560764	2,5554109	3,5502634	2,6677382	2,747487	0,0476483	528,80676
19-12-2019 0:00	15:57:00	22,937967	22,552084	2,549262	3,506093	2,7524357	2,693235	0,0476483	528,80676
19-12-2019 0:00	15:58:00	22,954489	22,552084	2,5572193	3,491249	2,7437162	2,7489338	0,0476483	528,80676
19-12-2019 0:00	15:59:00	22,967741	22,552084	2,560836	3,562211	2,7425332	2,753274	0,0476483	528,80676
19-12-2019 0:00	16:00:00	22,979593	22,591146	2,5941117	3,5176787	2,7441728	2,7441115	0,0476483	528,80676
19-12-2019 0:00	16:01:00	22,990236	22,591146	2,5832608	3,4901628	2,7433724	2,6982985	0,0478774	528,80676
19-12-2019 0:00	16:02:00	23,000074	22,591146	2,5763888	3,5709004	2,7358491	2,7132478	0,0478774	528,80676
19-12-2019 0:00	16:03:00	23,008966	22,62587	2,6085792	3,5086274	2,6449742	2,7582169	0,0478774	529,0184
19-12-2019 0:00	16:04:00	23,019402	22,62587	2,6176214	3,4300623	2,7344973	2,713007	0,0478774	529,0184
19-12-2019 0:00	16:05:00	23,019402	22,62587	2,601707	3,5339708	2,6669097	2,7070994	0,0478774	529,0184
19-12-2019 0:00	16:06:00	23,028128	22,62587	2,6288338	3,5299883	2,7023413	2,744714	0,0478774	529,0184
19-12-2019 0:00	16:07:00	23,028128	22,62587	2,5720484	3,448165	2,732855	2,7105956	0,0478774	528,9008
19-12-2019 0:00	16:08:00	23,028128	22,62587	2,601707	3,4865422	2,7397435	2,7114396	0,0478774	528,9008
19-12-2019 0:00	16:09:00	23,036554	22,64974	2,5872395	3,5408502	2,7475982	2,7157795	0,0478774	528,9008
19-12-2019 0:00	16:10:00	23,027346	22,64974	2,5962818	3,4604745	2,7020614	2,7335021	0,0478774	528,9008
19-12-2019 0:00	16:11:00	23,03891	22,64974	2,6230469	3,5050068	2,627834	2,7335021	0,0478774	528,9008
19-12-2019 0:00	16:12:00	23,03891	22,64974	2,6114726	3,560763	2,7468257	2,7137303	0,0478774	528,9008
19-12-2019 0:00	16:13:00	23,03891	22,64974	2,626302	3,5003004	2,6428046	2,71373	0,0478774	529,0184
19-12-2019 0:00	16:14:00	23,044767	22,64974	2,5655382	3,4814734	2,652874	2,7298853	0,0478774	529,0184
19-12-2019 0:00	16:15:00	23,044767	22,64974	2,5745804	3,5546079	2,7578614	2,7508628	0,0476845	529,0184



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	345,04	533,65	249,89	228,93	253,93	21,59	21,47	31,90
DESV EST	0,26	0,26	0,21	0,09	0,19	0,17	0,18	0,19
DESV EST %	0,0008	0,0005	0,0008	0,0004	0,0008	0,0079	0,0084	0,0061
MAX	345,60	534,03	250,30	229,29	254,30	21,82	21,73	32,20
MIN	344,60	533,32	249,50	228,90	253,60	21,34	21,23	31,67

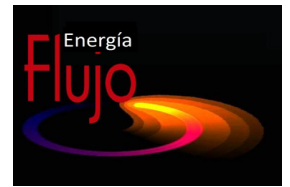
		TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1	
Date	Time	10LBC10CT001  XQ01	10LBB11CT001  XQ01	10MAB50CT021A  XQ01	10LBA80CT003  XQ01	10MAC11CT001A  XQ01	10PAB21CT001  XQ01	10PAB22CT001  XQ01	10PAB31CT001  XQ01	
		°C	°C	°C	°C	°C	°C	°C	°C	
19-12-2019	0:00	15:15:00	344,90002	533,3207	249,5	229,28601	253,60004	21,44459	21,312572	31,71658
19-12-2019	0:00	15:16:00	344,90002	533,3207	249,5	229,28601	253,70001	21,44459	21,272785	31,712963
19-12-2019	0:00	15:17:00	344,90002	533,3207	249,60004	229,05815	253,70001	21,395761	21,272785	31,667751
19-12-2019	0:00	15:18:00	345	533,3207	249,60004	229,05815	253,70001	21,395761	21,233	31,720196
19-12-2019	0:00	15:19:00	345	533,3207	249,60004	229,05815	253,70001	21,343315	21,233	31,70392
19-12-2019	0:00	15:20:00	345	533,3207	249,60004	229,05815	253,90002	21,343315	21,233	31,69307
19-12-2019	0:00	15:21:00	345,10004	533,3207	249,79999	229,05815	253,90002	21,343315	21,233	31,69307
19-12-2019	0:00	15:22:00	345,10004	533,5087	249,79999	229,05815	253,90002	21,377676	21,233	31,689453
19-12-2019	0:00	15:23:00	345,10004	533,5087	249,79999	229,05815	253,90002	21,377676	21,233	31,720196
19-12-2019	0:00	15:24:00	345,10004	533,5087	249,79999	229,05815	253,90002	21,377676	21,26736	31,720196
19-12-2019	0:00	15:25:00	345,10004	533,5087	249,79999	229,05815	253,90002	21,404802	21,26736	31,720196
19-12-2019	0:00	15:26:00	345,10004	533,5087	249,79999	228,89539	253,90002	21,404802	21,26736	31,684027
19-12-2019	0:00	15:27:00	345,10004	533,5087	249,79999	228,89539	253,90002	21,404802	21,26736	31,738281
19-12-2019	0:00	15:28:00	345,10004	533,5087	249,79999	228,89539	253,90002	21,404802	21,281828	31,698494
19-12-2019	0:00	15:29:00	345,10004	533,5087	249,79999	228,89539	253,90002	21,404802	21,281828	31,70392
19-12-2019	0:00	15:30:00	345,10004	533,5087	249,79999	228,89539	253,90002	21,417461	21,281828	31,698494
19-12-2019	0:00	15:31:00	345,10004	533,5087	249,79999	228,89539	254	21,417461	21,281828	31,712963
19-12-2019	0:00	15:32:00	345	533,5087	249,90002	228,89539	254	21,46629	21,334274	31,731047
19-12-2019	0:00	15:33:00	345	533,5087	249,90002	228,89539	254	21,46629	21,334274	31,769024
19-12-2019	0:00	15:34:00	345	533,5087	249,90002	228,89539	254	21,46629	21,334274	31,743706
19-12-2019	0:00	15:35:00	344,90002	533,5087	249,90002	228,89539	253,79999	21,46629	21,334274	31,759981
19-12-2019	0:00	15:36:00	344,90002	533,5087	249,90002	228,89539	253,79999	21,46629	21,334274	31,759981
19-12-2019	0:00	15:37:00	344,90002	533,5087	249,90002	228,89539	253,79999	21,46629	21,334274	31,74009
19-12-2019	0:00	15:38:00	344,7	533,5087	249,79999	228,89539	253,79999	21,46629	21,334274	31,769024
19-12-2019	0:00	15:39:00	344,7	533,5087	249,79999	228,89539	253,79999	21,46629	21,298105	31,684027
19-12-2019	0:00	15:40:00	344,7	533,5087	249,79999	228,89539	253,79999	21,426504	21,298105	31,684027
19-12-2019	0:00	15:41:00	344,90002	533,5087	249,79999	228,89539	253,79999	21,47714	21,343315	31,698494
19-12-2019	0:00	15:42:00	344,90002	533,5087	249,79999	228,89539	253,90002	21,47714	21,343315	31,712963
19-12-2019	0:00	15:43:00	344,90002	533,5087	249,79999	228,89539	253,90002	21,47714	21,40661	31,779875
19-12-2019	0:00	15:44:00	344,90002	533,5087	249,90002	228,89539	253,90002	21,51331	21,40661	31,807001
19-12-2019	0:00	15:45:00	344,90002	533,5087	249,90002	228,89539	253,79999	21,565754	21,484375	31,841362
19-12-2019	0:00	15:46:00	344,7	533,5087	249,90002	228,89539	253,79999	21,565754	21,484375	31,857637
19-12-2019	0:00	15:47:00	344,7	533,5087	249,90002	228,89539	253,79999	21,64171	21,484375	31,911892
19-12-2019	0:00	15:48:00	344,7	533,5087	249,90002	228,89539	253,79999	21,64171	21,576605	31,93721
19-12-2019	0:00	15:49:00	344,7	533,5087	249,70001	228,89539	253,79999	21,64171	21,576605	31,958912
19-12-2019	0:00	15:50:00	344,7	533,5087	249,70001	228,89539	253,70001	21,64171	21,540436	31,920935



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	345,04	533,65	249,89	228,93	253,93	21,59	21,47	31,90
DESV EST	0,26	0,26	0,21	0,09	0,19	0,17	0,18	0,19
DESV EST %	0,0008	0,0005	0,0008	0,0004	0,0008	0,0079	0,0084	0,0061
MAX	345,60	534,03	250,30	229,29	254,30	21,82	21,73	32,20
MIN	344,60	533,32	249,50	228,90	253,60	21,34	21,23	31,67

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	15:51:00	344,60004	533,5087	249,70001	228,89539	253,70001	21,68873	21,621817	31,975187
19-12-2019 0:00	15:52:00	344,60004	533,5087	249,70001	228,89539	253,70001	21,68873	21,623625	31,982422
19-12-2019 0:00	15:53:00	344,60004	533,5087	249,70001	228,89539	253,70001	21,68873	21,623625	32,000507
19-12-2019 0:00	15:54:00	344,90002	533,5087	249,70001	228,89539	253,70001	21,732132	21,623625	32,051144
19-12-2019 0:00	15:55:00	344,90002	533,5087	249,70001	228,89539	253,70001	21,732132	21,623625	32,045715
19-12-2019 0:00	15:56:00	344,90002	533,5087	250	228,89539	254	21,791811	21,668837	32,09997
19-12-2019 0:00	15:57:00	345,10004	534,02594	250	228,89539	254	21,791811	21,668837	32,083694
19-12-2019 0:00	15:58:00	345,10004	534,02594	250	228,89539	254	21,791811	21,668837	32,105396
19-12-2019 0:00	15:59:00	345,10004	534,02594	250	228,89539	254	21,791811	21,668837	32,121674
19-12-2019 0:00	16:00:00	345,10004	534,02594	250	228,89539	254	21,791811	21,683304	32,132523
19-12-2019 0:00	16:01:00	345,3	534,02594	250	228,89539	254	21,791811	21,683304	32,16869
19-12-2019 0:00	16:02:00	345,3	534,02594	250	228,89539	254	21,791811	21,730324	32,18135
19-12-2019 0:00	16:03:00	345,3	534,02594	250	228,89539	254	21,824364	21,730324	32,18135
19-12-2019 0:00	16:04:00	345,3	534,02594	250	228,89539	254	21,824364	21,730324	32,18135
19-12-2019 0:00	16:05:00	345,3	534,02594	250	228,89539	254,10004	21,824364	21,728516	32,203053
19-12-2019 0:00	16:06:00	345,40002	534,02594	250	228,89539	254,10004	21,79362	21,650751	32,203053
19-12-2019 0:00	16:07:00	345,40002	534,02594	250,29999	228,89539	254,29999	21,79362	21,683304	32,18135
19-12-2019 0:00	16:08:00	345,40002	534,02594	250,29999	228,89539	254,29999	21,79362	21,683304	32,12348
19-12-2019 0:00	16:09:00	345,40002	534,02594	250,29999	228,89539	254,29999	21,748407	21,616392	32,137947
19-12-2019 0:00	16:10:00	345,40002	534,02594	250,29999	228,89539	254,29999	21,748407	21,616392	32,105396
19-12-2019 0:00	16:11:00	345,40002	534,02594	250,29999	228,89539	254,29999	21,748407	21,616392	32,105396
19-12-2019 0:00	16:12:00	345,60004	534,02594	250,29999	228,89539	254,29999	21,779152	21,643518	32,109013
19-12-2019 0:00	16:13:00	345,60004	534,02594	250,29999	228,89539	254,29999	21,779152	21,643518	32,12348
19-12-2019 0:00	16:14:00	345,60004	534,02594	250,29999	228,89539	254,29999	21,779152	21,643518	32,15965
19-12-2019 0:00	16:15:00	345,40002	534,02594	250,29999	228,89539	254,29999	21,779152	21,643518	32,118053





DATOS	61	61	61	61	61	61	61
PROMEDIO	31,34	79,65	149,00	35,69	22,59	0,14	19,36
DESV EST	0,22	0,63	0,52	0,17	0,06	0,00	0,11
DESV EST %	0,0071	0,0079	0,0035	0,0047	0,0028	0,0029	0,0057
MAX	31,65	80,51	149,76	35,99	22,69	0,14	19,51
MIN	30,98	78,04	148,18	35,54	22,48	0,13	19,17

Date	Time	T CW D/S CONDR LNE2 10PAB32CT001  XQ01 °C	TEMP U/S COND P/HTR 11LCA20CT002  XQ01 °C	TEMP D/S COND P/HTR 11LCA30CT001  XQ01 °C	T COND TO P/HTR SYST 11LCA20CT001  XQ01 °C	TEMP FG P/HTR INL 11EKT20CT001  XQ01 °C	PRES FG P/HTR INL 2 of 3 11EKT20CP901  XQ01 bar	T FG FG P/HTR OUTL 11EKC20CT001  XQ01 °C	TEMP FW U/S ECON1 11LAB20CT001  XQ01 °C
19-12-2019 0:00	15:15:00	31,119791	80,512146	149,47916	35,65538	22,47685	0,1340596	19,166666	150,11935
19-12-2019 0:00	15:16:00	31,07458	80,512146	149,58766	35,65538	22,47685	0,1340596	19,166666	150,0868
19-12-2019 0:00	15:17:00	31,027561	80,512146	149,58766	35,65538	22,47685	0,1340596	19,166666	150,1302
19-12-2019 0:00	15:18:00	31,036602	80,512146	149,68532	35,601128	22,47685	0,1340596	19,166666	150,0434
19-12-2019 0:00	15:19:00	30,980541	80,11067	149,68532	35,601128	22,47685	0,1356337	19,166666	150,0434
19-12-2019 0:00	15:20:00	31,0149	80,11067	149,76128	35,601128	22,47685	0,1356337	19,166666	149,96744
19-12-2019 0:00	15:21:00	31,043837	80,11067	149,76128	35,601128	22,47685	0,1356337	19,189814	149,96744
19-12-2019 0:00	15:22:00	31,078197	80,11067	149,76128	35,601128	22,47685	0,1356337	19,189814	149,96744
19-12-2019 0:00	15:23:00	31,107132	80,11067	149,76128	35,601128	22,47685	0,1356337	19,189814	149,96744
19-12-2019 0:00	15:24:00	31,107132	80,11067	149,76128	35,557724	22,581018	0,1356337	19,293982	149,90234
19-12-2019 0:00	15:25:00	31,127026	80,11067	149,76128	35,557724	22,581018	0,1356337	19,293982	149,90234
19-12-2019 0:00	15:26:00	31,143301	78,84114	149,76128	35,557724	22,581018	0,1356337	19,293982	149,93489
19-12-2019 0:00	15:27:00	31,119791	78,84114	149,66362	35,557724	22,581018	0,1356337	19,293982	149,93489
19-12-2019 0:00	15:28:00	31,101707	79,6441	149,54427	35,557724	22,581018	0,1356337	19,293982	149,95659
19-12-2019 0:00	15:29:00	31,136066	79,6441	149,44661	35,557724	22,581018	0,1356337	19,293982	149,88063
19-12-2019 0:00	15:30:00	31,137877	79,6441	149,44661	35,557724	22,581018	0,1356337	19,293982	149,81554
19-12-2019 0:00	15:31:00	31,165003	79,6441	149,37065	35,557724	22,581018	0,1356337	19,293982	149,84808
19-12-2019 0:00	15:32:00	31,165003	79,06901	149,273	35,536022	22,581018	0,1356337	19,293982	149,84808
19-12-2019 0:00	15:33:00	31,199364	79,06901	149,17534	35,536022	22,581018	0,1356337	19,293982	149,80469
19-12-2019 0:00	15:34:00	31,195745	79,06901	149,06683	35,536022	22,581018	0,1356337	19,293982	149,80469
19-12-2019 0:00	15:35:00	31,195745	79,06901	149,06683	35,536022	22,581018	0,1356337	19,293982	149,84808
19-12-2019 0:00	15:36:00	31,183086	79,06901	148,98003	35,536022	22,581018	0,1356337	19,293982	149,76128
19-12-2019 0:00	15:37:00	31,197554	79,62239	148,87152	35,536022	22,581018	0,1356337	19,293982	149,66362
19-12-2019 0:00	15:38:00	31,165003	78,03819	148,77386	35,536022	22,581018	0,1356337	19,293982	149,71788
19-12-2019 0:00	15:39:00	31,137877	79,61154	148,77386	35,536022	22,581018	0,1356337	19,293982	149,71788
19-12-2019 0:00	15:40:00	31,137877	79,61154	148,67621	35,536022	22,581018	0,1356337	19,293982	149,66362
19-12-2019 0:00	15:41:00	31,15596	79,61154	148,67621	35,601128	22,581018	0,1356337	19,293982	149,66362
19-12-2019 0:00	15:42:00	31,174046	79,61154	148,60025	35,601128	22,581018	0,1356337	19,293982	149,58766
19-12-2019 0:00	15:43:00	31,22649	79,61154	148,5026	35,601128	22,581018	0,1356337	19,421295	149,66362
19-12-2019 0:00	15:44:00	31,264467	79,61154	148,5026	35,601128	22,581018	0,1356337	19,421295	149,59853
19-12-2019 0:00	15:45:00	31,300636	79,07986	148,5026	35,557724	22,581018	0,1356337	19,421295	149,59853
19-12-2019 0:00	15:46:00	31,336805	79,07986	148,49174	35,557724	22,581018	0,1356337	19,35185	149,66362
19-12-2019 0:00	15:47:00	31,336805	79,07986	148,49174	35,557724	22,581018	0,1356337	19,35185	149,66362
19-12-2019 0:00	15:48:00	31,385633	79,07986	148,39409	35,557724	22,581018	0,1356337	19,35185	149,66362
19-12-2019 0:00	15:49:00	31,414568	79,07986	148,39409	35,601128	22,581018	0,1356337	19,35185	149,66362
19-12-2019 0:00	15:50:00	31,405525	79,07986	148,36154	35,601128	22,581018	0,1356337	19,456018	149,68532



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	31,34	79,65	149,00	35,69	22,59	0,14	19,36	149,80
DESV EST	0,22	0,63	0,52	0,17	0,06	0,00	0,11	0,14
DESV EST %	0,0071	0,0079	0,0035	0,0047	0,0028	0,0029	0,0057	0,0009
MAX	31,65	80,51	149,76	35,99	22,69	0,14	19,51	150,13
MIN	30,98	78,04	148,18	35,54	22,48	0,13	19,17	149,59

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	15:51:00	31,430845	79,07986	148,329	35,601128	22,581018	0,1356337	19,456018	149,68532
19-12-2019 0:00	15:52:00	31,461588	78,42882	148,329	35,677082	22,581018	0,1356337	19,456018	149,64192
19-12-2019 0:00	15:53:00	31,479673	79,06901	148,329	35,677082	22,581018	0,1356337	19,456018	149,64192
19-12-2019 0:00	15:54:00	31,504992	79,06901	148,28558	35,677082	22,581018	0,1356337	19,456018	149,58766
19-12-2019 0:00	15:55:00	31,535734	79,06901	148,17708	35,677082	22,581018	0,1356337	19,456018	149,58766
19-12-2019 0:00	15:56:00	31,535734	79,06901	148,27473	35,677082	22,581018	0,1356337	19,456018	149,65277
19-12-2019 0:00	15:57:00	31,53935	79,06901	148,27473	35,80729	22,581018	0,1356337	19,456018	149,69618
19-12-2019 0:00	15:58:00	31,526691	79,06901	148,30728	35,80729	22,581018	0,1356337	19,456018	149,69618
19-12-2019 0:00	15:59:00	31,56286	79,06901	148,40494	35,80729	22,581018	0,1356337	19,456018	149,82639
19-12-2019 0:00	16:00:00	31,568287	80,41449	148,51344	35,80729	22,581018	0,1356337	19,456018	149,71788
19-12-2019 0:00	16:01:00	31,606264	80,164925	148,6111	35,9375	22,581018	0,1356337	19,456018	149,85893
19-12-2019 0:00	16:02:00	31,642433	80,164925	148,70876	35,9375	22,685184	0,1356337	19,456018	149,81554
19-12-2019 0:00	16:03:00	31,631582	79,372826	148,81728	35,9375	22,685184	0,1356337	19,456018	149,81554
19-12-2019 0:00	16:04:00	31,647858	79,372826	148,81728	35,9375	22,685184	0,1356337	19,456018	149,85893
19-12-2019 0:00	16:05:00	31,647858	79,7743	148,87152	35,9375	22,685184	0,1356337	19,513887	149,85893
19-12-2019 0:00	16:06:00	31,649666	79,7743	148,98003	35,9375	22,685184	0,1356337	19,513887	149,80469
19-12-2019 0:00	16:07:00	31,63339	80,4796	149,03429	35,9375	22,685184	0,1356337	19,513887	149,80469
19-12-2019 0:00	16:08:00	31,615307	80,4796	149,11024	35,991753	22,685184	0,1356337	19,513887	149,80469
19-12-2019 0:00	16:09:00	31,613499	80,4796	149,11024	35,991753	22,685184	0,1356337	19,513887	149,82639
19-12-2019 0:00	16:10:00	31,613499	80,4796	149,2079	35,991753	22,685184	0,1356337	19,467592	149,82639
19-12-2019 0:00	16:11:00	31,59903	80,4796	149,2079	35,991753	22,685184	0,1356337	19,467592	149,82639
19-12-2019 0:00	16:12:00	31,613499	80,4796	149,30556	35,991753	22,685184	0,1356337	19,467592	149,82639
19-12-2019 0:00	16:13:00	31,63339	80,4796	149,4683	35,991753	22,685184	0,1356337	19,467592	149,82639
19-12-2019 0:00	16:14:00	31,613499	80,4796	149,57681	35,991753	22,685184	0,1356337	19,467592	149,77213
19-12-2019 0:00	16:15:00	31,595413	80,4796	149,68532	35,94835	22,685184	0,1356337	19,467592	149,77213



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,68	140,63	5,19	27,82	-	101,62	10,42	5,76
DESV EST	0,07	0,95	0,02	0,70	0,00	0,60	0,01	0,03
DESV EST %	0,0005	0,0068	0,0044	0,0251	#iDIV/0!	0,0059	0,0007	0,0053
MAX	148,78	142,31	5,25	29,39	0,00	102,82	10,44	5,81
MIN	148,55	138,56	5,13	27,17	0,00	100,31	10,40	5,68

TEMP IP FW HDR		TEMP COND TO LP DRM		PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS 10F2	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
Date	Time	11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	15:15:00	148,63281	138,56337	5,1879344	27,309313	0	101,015625	10,423322	5,685402
19-12-2019 0:00	15:16:00	148,63281	140,65755	5,1879344	27,309313	0	101,38672	10,423322	5,7657695
19-12-2019 0:00	15:17:00	148,63281	141,34114	5,1879344	27,167826	0	102,12239	10,423322	5,767361
19-12-2019 0:00	15:18:00	148,78471	139,75694	5,1879344	27,167826	0	102,08984	10,423322	5,733543
19-12-2019 0:00	15:19:00	148,78471	139,0842	5,1879344	27,167826	0	100,89844	10,423322	5,719618
19-12-2019 0:00	15:20:00	148,78471	141,06987	5,1879344	27,167826	0	101,087234	10,423322	5,741102
19-12-2019 0:00	15:21:00	148,78471	140,41884	5,1879344	27,167826	0	101,373695	10,423322	5,725188
19-12-2019 0:00	15:22:00	148,78471	139,77864	5,1879344	27,167826	0	102,32422	10,423322	5,772931
19-12-2019 0:00	15:23:00	148,78471	141,79688	5,1879344	27,167826	0	101,47135	10,423322	5,8107276
19-12-2019 0:00	15:24:00	148,78471	140,47308	5,1879344	27,167826	0	102,23307	10,423322	5,7383175
19-12-2019 0:00	15:25:00	148,78471	138,99739	5,1879344	27,167826	0	101,79036	10,423322	5,721607
19-12-2019 0:00	15:26:00	148,78471	141,73177	5,1879344	27,167826	0	101,47786	10,423322	5,751049
19-12-2019 0:00	15:27:00	148,78471	141,63411	5,1879344	27,167826	0	100,66406	10,423322	5,789243
19-12-2019 0:00	15:28:00	148,68706	139,56163	5,1879344	27,167826	0	102,81901	10,423322	5,764974
19-12-2019 0:00	15:29:00	148,68706	140,7335	5,1879344	27,167826	0	101,4388	10,423322	5,726382
19-12-2019 0:00	15:30:00	148,68706	142,06813	5,1879344	27,167826	0	102,46094	10,423322	5,7609954
19-12-2019 0:00	15:31:00	148,68706	140,6467	5,1879344	27,167826	0	101,47135	10,423322	5,775318
19-12-2019 0:00	15:32:00	148,68706	139,1276	5,1879344	27,284107	0	102,05078	10,423322	5,7641783
19-12-2019 0:00	15:33:00	148,68706	141,85112	5,1853266	27,284107	0	101,47786	10,423322	5,6822195
19-12-2019 0:00	15:34:00	148,68706	140,5165	5,1853266	27,284107	0	102,01823	10,438368	5,7434897
19-12-2019 0:00	15:35:00	148,68706	140,47308	5,1853266	27,284107	0	101,217445	10,411567	5,753834
19-12-2019 0:00	15:36:00	148,68706	141,90538	5,1853266	27,520452	0	101,50391	10,431786	5,7514467
19-12-2019 0:00	15:37:00	148,68706	140,625	5,1853266	27,520452	0	101,05469	10,431786	5,717231
19-12-2019 0:00	15:38:00	148,68706	139,8329	5,1853266	27,520452	0	102,03776	10,431786	5,739113
19-12-2019 0:00	15:39:00	148,68706	141,13498	5,1853266	27,520452	0	101,67969	10,416269	5,753834
19-12-2019 0:00	15:40:00	148,68706	141,13498	5,1853266	27,520452	0	101,30859	10,416269	5,7550273
19-12-2019 0:00	15:41:00	148,68706	139,62672	5,1853266	27,520452	0	102,024734	10,427554	5,7204137
19-12-2019 0:00	15:42:00	148,546	141,08072	5,1853266	27,520452	0	100,53385	10,427554	5,7522426
19-12-2019 0:00	15:43:00	148,546	141,5039	5,1853266	27,658339	0	102,79948	10,427554	5,7522426
19-12-2019 0:00	15:44:00	148,546	139,2144	5,1853266	27,658339	0	101,49739	10,427554	5,8055553
19-12-2019 0:00	15:45:00	148,546	141,08072	5,1853266	27,658339	0	102,12891	10,427554	5,737124
19-12-2019 0:00	15:46:00	148,546	141,79688	5,1853266	27,658339	0	100,82682	10,413448	5,7633824
19-12-2019 0:00	15:47:00	148,546	139,84375	5,1853266	27,658339	0	101,373695	10,434136	5,739113
19-12-2019 0:00	15:48:00	148,546	141,14583	5,1335425	28,620394	0	102,53906	10,434136	5,7399087
19-12-2019 0:00	15:49:00	148,546	140,47308	5,1335425	28,620394	0	101,015625	10,412507	5,7383175
19-12-2019 0:00	15:50:00	148,546	140,47308	5,1335425	29,38916	0	102,19401	10,420501	5,7570167



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,68	140,63	5,19	27,82	-	101,62	10,42	5,76
DESV EST	0,07	0,95	0,02	0,70	0,00	0,60	0,01	0,03
DESV EST %	0,0005	0,0068	0,0044	0,0251	#iDIV/0!	0,0059	0,0007	0,0053
MAX	148,78	142,31	5,25	29,39	0,00	102,82	10,44	5,81
MIN	148,55	138,56	5,13	27,17	0,00	100,31	10,40	5,68

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	15:51:00	148,546	141,08072	5,1335425	29,38916	0	100,7552	10,420501	5,7609954
19-12-2019 0:00	15:52:00	148,546	139,59418	5,1335425	29,38916	0	101,087234	10,420501	5,7609954
19-12-2019 0:00	15:53:00	148,70876	141,5039	5,249953	29,38916	0	101,19141	10,420501	5,745081
19-12-2019 0:00	15:54:00	148,70876	140,78775	5,249953	29,38916	0	100,305984	10,420501	5,713252
19-12-2019 0:00	15:55:00	148,70876	139,39886	5,249953	29,38916	0	100,96354	10,420501	5,7315536
19-12-2019 0:00	15:56:00	148,70876	141,5473	5,249953	28,7047	0	102,513016	10,429905	5,7594037
19-12-2019 0:00	15:57:00	148,70876	140,86371	5,198115	28,7047	0	101,15234	10,429905	5,688187
19-12-2019 0:00	15:58:00	148,70876	138,78038	5,198115	28,7047	0	100,84635	10,403104	5,7180266
19-12-2019 0:00	15:59:00	148,70876	141,33029	5,198115	28,30001	0	101,041664	10,430375	5,753834
19-12-2019 0:00	16:00:00	148,70876	140,65755	5,198115	28,30001	0	101,61458	10,430375	5,759006
19-12-2019 0:00	16:01:00	148,70876	139,33376	5,198115	28,30001	0	101,58203	10,430375	5,753436
19-12-2019 0:00	16:02:00	148,70876	141,38454	5,198115	28,30001	0	102,42838	10,4139185	5,7888455
19-12-2019 0:00	16:03:00	148,70876	140,70094	5,198115	28,086094	0	101,97266	10,428024	5,7920284
19-12-2019 0:00	16:04:00	148,70876	139,24696	5,1907716	28,086094	0	101,72526	10,428024	5,8075447
19-12-2019 0:00	16:05:00	148,70876	141,84027	5,1907716	28,086094	0	101,30208	10,428024	5,759006
19-12-2019 0:00	16:06:00	148,70876	140,52734	5,1907716	28,086094	0	101,46484	10,428024	5,7920284
19-12-2019 0:00	16:07:00	148,70876	139,59418	5,1907716	28,086094	0	101,82942	10,428024	5,808738
19-12-2019 0:00	16:08:00	148,70876	141,3954	5,1907716	28,086094	0	101,529945	10,4139185	5,7741246
19-12-2019 0:00	16:09:00	148,70876	141,33029	5,1907716	27,822525	0	101,44531	10,432256	5,807147
19-12-2019 0:00	16:10:00	148,70876	139,68098	5,1907716	27,822525	0	101,77734	10,432256	5,789243
19-12-2019 0:00	16:11:00	148,70876	141,06987	5,1907716	27,822525	0	102,51953	10,432256	5,7836733
19-12-2019 0:00	16:12:00	148,70876	142,30685	5,1907716	27,50827	0	101,17838	10,406395	5,7860603
19-12-2019 0:00	16:13:00	148,70876	140,91797	5,1907716	27,50827	0	102,27864	10,430375	5,7757163
19-12-2019 0:00	16:14:00	148,70876	140,08246	5,1907716	27,50827	0	102,76692	10,430375	5,8031683
19-12-2019 0:00	16:15:00	148,70876	142,2309	5,1907716	27,203072	0	101,998695	10,428024	5,807943



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,79	5,78	0,97	569,35	2,96	6,61	290,68	99,48
DESV EST	0,04	0,03	0,00	5,27	2,80	0,00	1,77	0,61
DESV EST %	0,0065	0,0053	0,0019	0,0092	0,9444	0,0006	0,0061	0,0061
MAX	5,87	5,85	0,98	580,66	18,04	6,62	295,30	101,00
MIN	5,73	5,69	0,97	556,74	2,39	6,60	285,92	98,09

		GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
Date	Time	10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	15:15:00	5,754232	5,747866	0,9742432	562,1094	2,4189525	6,6153355	290,09332	99,896904
19-12-2019 0:00	15:16:00	5,7578125	5,75821	0,9742432	563,28125	2,445052	6,6013346	290,14758	98,712555
19-12-2019 0:00	15:17:00	5,803566	5,7554255	0,9742432	564,9414	2,445052	6,600763	295,19315	98,93923
19-12-2019 0:00	15:18:00	5,7522426	5,769748	0,9785767	570,01953	2,469372	6,6053348	292,48047	99,83715
19-12-2019 0:00	15:19:00	5,7832756	5,789243	0,9755859	556,7383	2,437934	6,6053348	287,3264	99,52812
19-12-2019 0:00	15:20:00	5,736328	5,725188	0,9755859	566,89453	2,4159865	6,6036205	289,4423	99,89639
19-12-2019 0:00	15:21:00	5,7880497	5,7657695	0,9755859	565,72266	2,4130208	6,608478	290,5816	99,61349
19-12-2019 0:00	15:22:00	5,8449435	5,795609	0,9755859	574,70703	2,5091145	6,6067634	291,0699	99,67909
19-12-2019 0:00	15:23:00	5,7820816	5,7952113	0,9721069	569,9219	2,420732	6,6033344	290,03906	99,51931
19-12-2019 0:00	15:24:00	5,7796946	5,807147	0,9793091	571,4844	2,444459	6,5990486	291,93796	99,01797
19-12-2019 0:00	15:25:00	5,736328	5,777705	0,9715576	572,9492	2,444459	6,601049	290,31033	99,70865
19-12-2019 0:00	15:26:00	5,777705	5,721607	0,9795532	562,3047	2,4812355	6,6056204	292,53473	99,78742
19-12-2019 0:00	15:27:00	5,8286314	5,7299623	0,9750977	563,28125	2,5043693	6,608192	291,23264	100,2194
19-12-2019 0:00	15:28:00	5,8027706	5,795609	0,9750977	580,66406	2,4569154	6,6064777	289,49655	99,268906
19-12-2019 0:00	15:29:00	5,7490597	5,759802	0,9750977	564,64844	2,4331887	6,6064777	288,62848	99,466
19-12-2019 0:00	15:30:00	5,857675	5,8270397	0,9725952	576,1719	2,4331887	6,6079063	293,78256	99,70803
19-12-2019 0:00	15:31:00	5,8369865	5,7916303	0,9725952	569,33594	2,4812355	6,6064777	290,85287	99,60387
19-12-2019 0:00	15:32:00	5,8389754	5,784071	0,9749756	575,8789	2,4919126	6,596477	290,3646	99,22569
19-12-2019 0:00	15:33:00	5,790835	5,784071	0,9749756	566,89453	2,4397135	6,6036205	292,96875	99,72048
19-12-2019 0:00	15:34:00	5,753436	5,762189	0,9749756	563,47656	2,4231048	6,6036205	289,33377	99,01503
19-12-2019 0:00	15:35:00	5,7490597	5,7629848	0,9749756	559,27734	2,4913194	6,6119065	291,8837	98,722565
19-12-2019 0:00	15:36:00	5,739113	5,7609954	0,9766235	570,89844	2,4533565	6,6079063	291,12415	100,07143
19-12-2019 0:00	15:37:00	5,8007812	5,790835	0,9766235	569,53125	2,4497974	6,600763	290,09332	99,83475
19-12-2019 0:00	15:38:00	5,789641	5,8147063	0,9716187	571,28906	2,4497974	6,6076207	291,39542	99,60632
19-12-2019 0:00	15:39:00	5,7880497	5,7574143	0,9770508	571,58203	2,4426794	6,6090493	291,23264	99,80162
19-12-2019 0:00	15:40:00	5,8059535	5,7952113	0,9727173	572,2656	2,4681857	6,599906	295,30167	99,899185
19-12-2019 0:00	15:41:00	5,803566	5,8147063	0,9727173	564,5508	2,4741175	6,6033344	292,53473	98,13951
19-12-2019 0:00	15:42:00	5,7315536	5,720016	0,9758301	569,9219	2,4800491	6,6107635	291,23264	99,54938
19-12-2019 0:00	15:43:00	5,8027706	5,784867	0,9758301	564,7461	2,4426794	6,600477	289,55078	99,09377
19-12-2019 0:00	15:44:00	5,7968025	5,784867	0,9741821	575,1953	2,4272568	6,6036205	288,89975	100,16618
19-12-2019 0:00	15:45:00	5,7828774	5,8107276	0,9741821	569,8242	2,4539497	6,6036205	290,90714	99,37011
19-12-2019 0:00	15:46:00	5,7343388	5,739511	0,9741821	565,4297	2,5132668	6,603906	292,48047	99,23809
19-12-2019 0:00	15:47:00	5,7852645	5,7629848	0,9759521	566,40625	2,4687788	6,599906	289,98483	99,85668
19-12-2019 0:00	15:48:00	5,7454786	5,761791	0,9759521	566,9922	2,420732	6,6036205	285,9158	98,70442
19-12-2019 0:00	15:49:00	5,784071	5,765372	0,9759521	562,20703	2,4954715	6,6064777	292,589	98,253815
19-12-2019 0:00	15:50:00	5,7972007	5,803964	0,9759521	570,60547	2,441493	6,6067634	291,9922	99,04282



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,79	5,78	0,97	569,35	2,96	6,61	290,68	99,48
DESV EST	0,04	0,03	0,00	5,27	2,80	0,00	1,77	0,61
DESV EST %	0,0065	0,0053	0,0019	0,0092	0,9444	0,0006	0,0061	0,0061
MAX	5,87	5,85	0,98	580,66	18,04	6,62	295,30	101,00
MIN	5,73	5,69	0,97	556,74	2,39	6,60	285,92	98,09

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	15:51:00	5,803964	5,7399087	0,9724731	575,97656	2,4646266	6,609335	290,41885	99,57247
19-12-2019 0:00	15:52:00	5,8385777	5,7721353	0,9724731	574,41406	2,4337819	6,600763	290,9614	99,75076
19-12-2019 0:00	15:53:00	5,7828774	5,7888455	0,9724731	573,0469	2,448611	6,6013346	289,0625	99,64124
19-12-2019 0:00	15:54:00	5,7275753	5,726382	0,9724731	566,21094	2,466406	6,608192	289,2795	98,98838
19-12-2019 0:00	15:55:00	5,801577	5,77691	0,975708	573,2422	2,4859807	6,6047635	288,68274	98,96535
19-12-2019 0:00	15:56:00	5,837384	5,7578125	0,975708	564,0625	2,4231048	6,596477	287,81467	99,04113
19-12-2019 0:00	15:57:00	5,784071	5,7991896	0,97229	565,52734	2,4545429	6,6076207	289,2795	98,328445
19-12-2019 0:00	15:58:00	5,7299623	5,6901765	0,9765015	561,8164	2,438527	6,6056204	288,3572	98,09295
19-12-2019 0:00	15:59:00	5,787254	5,739511	0,9765015	560,7422	18,039524	6,6056204	289,2795	98,86591
19-12-2019 0:00	16:00:00	5,868815	5,76378	0,9765015	566,21094	2,444459	6,6056204	290,31033	99,1636
19-12-2019 0:00	16:01:00	5,7972007	5,809534	0,9734497	576,3672	2,4420862	6,6064777	289,60504	100,018776
19-12-2019 0:00	16:02:00	5,7972007	5,7995877	0,9734497	568,9453	2,4527633	6,601906	292,53473	98,971115
19-12-2019 0:00	16:03:00	5,7574143	5,7952113	0,9734497	566,21094	2,469372	6,6076207	291,6667	98,95875
19-12-2019 0:00	16:04:00	5,8588686	5,775318	0,9742432	573,8281	2,445052	6,6067634	288,41147	100,6539
19-12-2019 0:00	16:05:00	5,808738	5,7995877	0,9742432	574,21875	2,4527633	6,604192	290,85287	100,242516
19-12-2019 0:00	16:06:00	5,8612556	5,848524	0,9742432	577,34375	2,4604745	6,6076207	291,39542	100,76461
19-12-2019 0:00	16:07:00	5,7995877	5,761393	0,9742432	575,97656	2,448611	6,607049	289,49655	101,004906
19-12-2019 0:00	16:08:00	5,860858	5,7916303	0,9742432	574,5117	2,4717448	6,6064777	292,31772	100,01111
19-12-2019 0:00	16:09:00	5,7832756	5,794813	0,9742432	575,97656	2,47649	6,6096206	291,39542	99,80396
19-12-2019 0:00	16:10:00	5,781684	5,812717	0,9742432	575,8789	2,4438658	6,608478	290,69012	100,27869
19-12-2019 0:00	16:11:00	5,851707	5,7952113	0,9707031	574,90234	2,4118345	6,6036205	290,3646	99,57324
19-12-2019 0:00	16:12:00	5,8417606	5,811921	0,9731445	573,53516	2,4563222	6,6079063	293,6198	100,19459
19-12-2019 0:00	16:13:00	5,82147	5,8170934	0,9731445	570,89844	2,386328	6,6036205	288,954	99,175995
19-12-2019 0:00	16:14:00	5,7888455	5,7641783	0,9731445	566,5039	2,4438658	6,603906	292,26346	99,39023
19-12-2019 0:00	16:15:00	5,851707	5,817889	0,9731445	571,97266	18,039524	6,613335	289,60504	99,33764



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,90	47,1	24,4	1.007	951,5	13,6	425,7
DESV EST	0,0138	2	0,33	0,1483	0,318	0,03	2,8
DESV EST %		0,0346	0,0135	0,0001	0,0003	0,0020	0,0065
MAX	29,94	54,5	25,0	1.007	952,0	13,7	434,1
MIN	29,87	44,26	23,69	1006,51	950,97	13,52	416,45

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	16:45:00	29,9103	47,135414	23,68634	1006,901	951,9531	13,516348	425,69443
19-12-2019 0:00	16:46:00	29,895832	47,084778	23,799187	1006,901	951,9531	13,641131	430,42532
19-12-2019 0:00	16:47:00	29,892939	48,73047	23,926502	1006,94446	951,9531	13,624855	429,38367
19-12-2019 0:00	16:48:00	29,878471	47,146267	24,076965	1006,94446	951,9531	13,579644	427,0833
19-12-2019 0:00	16:49:00	29,895832	45,891205	24,076965	1006,901	951,9531	13,576027	424,17532
19-12-2019 0:00	16:50:00	29,881365	45,67057	24,076965	1006,94446	951,9531	13,58507	424,17532
19-12-2019 0:00	16:51:00	29,887152	45,67057	24,08854	1006,901	951,9531	13,541666	424,17532
19-12-2019 0:00	16:52:00	29,890045	46,856915	24,129051	1006,901	951,9531	13,5470915	424,17532
19-12-2019 0:00	16:53:00	29,898726	46,56033	24,198494	1006,87933	951,7361	13,58507	423,09027
19-12-2019 0:00	16:54:00	29,898726	47,822628	24,230324	1006,901	951,7361	13,563368	423,61108
19-12-2019 0:00	16:55:00	29,892939	46,090134	24,111687	1006,8576	951,7361	13,570601	423,6979
19-12-2019 0:00	16:56:00	29,895832	45,77908	23,98148	1006,8576	951,7361	13,576027	434,11456
19-12-2019 0:00	16:57:00	29,91898	48,01432	23,885994	1006,901	951,7361	13,5470915	423,4809
19-12-2019 0:00	16:58:00	29,884258	47,131798	23,972801	1006,87933	951,7361	13,566985	424,8264
19-12-2019 0:00	16:59:00	29,895832	45,974392	24,100113	1006,8576	951,7361	13,568793	424,8264
19-12-2019 0:00	17:00:00	29,878471	45,663338	24,215855	1006,83594	951,7361	13,655599	428,5156
19-12-2019 0:00	17:01:00	29,878471	45,970776	24,337383	1006,8576	951,7361	13,586878	423,61108
19-12-2019 0:00	17:02:00	29,921873	45,970776	24,337383	1006,83594	951,7361	13,563368	427,60416
19-12-2019 0:00	17:03:00	29,887152	45,739292	24,386574	1006,8576	951,7361	13,576027	423,04684
19-12-2019 0:00	17:04:00	29,884258	46,647133	24,395252	1006,83594	951,7361	13,657407	432,33505
19-12-2019 0:00	17:05:00	29,901619	46,043114	24,29398	1006,83594	951,7361	13,568793	416,44965
19-12-2019 0:00	17:06:00	29,901619	45,55845	24,29398	1006,8576	951,7361	13,581452	425,82465
19-12-2019 0:00	17:07:00	29,878471	45,55845	24,589119	1006,83594	951,7361	13,588686	425,82465
19-12-2019 0:00	17:08:00	29,890045	46,242043	24,664349	1006,8576	951,7361	13,579644	425,82465
19-12-2019 0:00	17:09:00	29,907406	46,263744	24,835068	1006,8576	951,7361	13,657407	429,60068
19-12-2019 0:00	17:10:00	29,887152	45,902054	24,881363	1006,8576	951,4902	13,570601	426,43228
19-12-2019 0:00	17:11:00	29,9103	44,41551	24,96817	1006,83594	951,4902	13,57241	424,91318
19-12-2019 0:00	17:12:00	29,866898	47,149883	24,945023	1006,83594	951,4902	13,583261	424,91318
19-12-2019 0:00	17:13:00	29,927662	45,974392	24,945023	1006,8576	951,4902	13,541666	424,91318
19-12-2019 0:00	17:14:00	29,887152	44,654224	24,945023	1006,83594	951,4902	13,554326	431,467
19-12-2019 0:00	17:15:00	29,901619	44,256367	24,945023	1006,83594	951,66376	13,554326	422,52603
19-12-2019 0:00	17:16:00	29,895832	46,657986	24,884258	1006,83594	951,66376	13,556134	424,78296
19-12-2019 0:00	17:17:00	29,895832	46,99074	24,907406	1006,8576	951,66376	13,5470915	424,78296
19-12-2019 0:00	17:18:00	29,91898	48,451965	24,84375	1006,8576	951,66376	13,541666	427,43054
19-12-2019 0:00	17:19:00	29,895832	49,9783	24,736687	1006,7925	951,4902	13,559751	420,3559
19-12-2019 0:00	17:20:00	29,913193	50,484665	24,67014	1006,7925	951,4902	13,557942	425,69443



DATOS	61	61	61	61	61	61	61
PROMEDIO	29,90	47,1	24,4	1.007	951,5	13,6	425,7
DESV EST	0,0138	2	0,33	0,1483	0,318	0,03	2,8
DESV EST %		0,0346	0,0135	0,0001	0,0003	0,0020	0,0065
MAX	29,94	54,5	25,0	1.007	952,0	13,7	434,1
MIN	29,87	44,26	23,69	1006,51	950,97	13,52	416,45

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	17:21:00	29,887152	47,77199	24,63831	1006,7708	951,4902	13,576027	425,69443
19-12-2019 0:00	17:22:00	29,907406	48,650898	24,551502	1006,7274	951,4902	13,557942	430,12152
19-12-2019 0:00	17:23:00	29,898726	47,4103	24,453125	1006,684	951,4902	13,563368	422,3958
19-12-2019 0:00	17:24:00	29,936342	47,4103	24,453125	1006,684	951,4902	13,566985	424,8264
19-12-2019 0:00	17:25:00	29,884258	47,099247	24,46759	1006,7274	951,27313	13,590494	426,7795
19-12-2019 0:00	17:26:00	29,904512	47,099247	24,46759	1006,684	951,27313	13,57241	424,91318
19-12-2019 0:00	17:27:00	29,901619	47,099247	24,476273	1006,7274	951,27313	13,552517	428,73264
19-12-2019 0:00	17:28:00	29,9103	47,099247	24,476273	1006,7274	951,27313	13,557942	425,43402
19-12-2019 0:00	17:29:00	29,898726	47,099247	24,476273	1006,684	951,27313	13,557942	425,43402
19-12-2019 0:00	17:30:00	29,881365	47,099247	24,476273	1006,684	951,27313	13,58507	425,43402
19-12-2019 0:00	17:31:00	29,895832	45,956306	24,835068	1006,5321	951,27313	13,58507	425,43402
19-12-2019 0:00	17:32:00	29,933449	46,972656	24,502312	1006,5104	951,05615	13,5470915	425,43402
19-12-2019 0:00	17:33:00	29,892939	47,135414	24,502312	1006,5104	951,05615	13,592303	425,43402
19-12-2019 0:00	17:34:00	29,884258	47,135414	24,438656	1006,5104	951,05615	13,579644	425,3906
19-12-2019 0:00	17:35:00	29,898726	47,334347	24,487846	1006,5104	951,05615	13,552517	425,3906
19-12-2019 0:00	17:36:00	29,895832	47,670715	24,519676	1006,5104	951,05615	13,576027	425,3472
19-12-2019 0:00	17:37:00	29,895832	46,788193	24,632523	1006,5104	951,05615	13,581452	425,3472
19-12-2019 0:00	17:38:00	29,901619	47,786457	24,632523	1006,5104	951,05615	13,583261	425,3472
19-12-2019 0:00	17:39:00	29,901619	49,641926	24,444443	1006,5321	951,05615	13,581452	425,3472
19-12-2019 0:00	17:40:00	29,887152	54,542824	24,389465	1006,5321	951,05615	13,576027	425,3472
19-12-2019 0:00	17:41:00	29,892939	50,350838	24,305553	1006,55383	951,05615	13,576027	425,3472
19-12-2019 0:00	17:42:00	29,898726	48,893227	24,23611	1006,55383	951,05615	13,576027	425,3472
19-12-2019 0:00	17:43:00	29,91898	48,27474	24,024883	1006,5321	950,96936	13,586878	425,3472
19-12-2019 0:00	17:44:00	29,904512	48,27474	23,938076	1006,5321	950,96936	13,566985	425,3472
19-12-2019 0:00	17:45:00	29,887152	48,556858	23,938076	1006,5104	950,96936	13,604962	431,5104





DATOS	61	61	61	61	61	61	61
PROMEDIO	18,2	10,2	52.085	15,0	589	578	575
DESV EST	0,23	0,0473	244	0,11	0,73	0,59	0,54
DESV EST %	0,0125	0,0046	0,0047	0,0071	0,0012	0,0010	0,0009
MAX	18,7	10,35	52.644	15,2	590	579	576
MIN	17,60	10,14	51512,95	14,90	586,60	576,10	573,60

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	16:45:00	18,149595	10,200316	52042,92	15,199997	588,7	577,5	574,7
19-12-2019 0:00	16:46:00	18,176722	10,34593	52643,6	15,199997	588	577,3	574,7
19-12-2019 0:00	16:47:00	18,223742	10,248899	52051,227	15,199997	586,60004	576,10004	573,60004
19-12-2019 0:00	16:48:00	17,941624	10,283158	52324,2	15,199997	588,7	577,5	574,4
19-12-2019 0:00	16:49:00	18,64511	10,248149	51981,242	15,199997	589,10004	577,9	575
19-12-2019 0:00	16:50:00	17,970558	10,197638	51658,824	15,199997	589,7	578,5	575,4
19-12-2019 0:00	16:51:00	18,098959	10,239385	52192,695	15,199997	589,9	578,5	575,4
19-12-2019 0:00	16:52:00	18,06279	10,266573	52255,82	15,199997	589,9	578,5	575,60004
19-12-2019 0:00	16:53:00	18,288845	10,260029	52322,992	15,199997	588,3	577,5	575
19-12-2019 0:00	16:54:00	18,22555	10,249707	52387,11	15,199997	589,5	578,3	575,4
19-12-2019 0:00	16:55:00	18,214699	10,2468195	52176,066	15,100006	589,3	578,3	575,4
19-12-2019 0:00	16:56:00	18,006727	10,289512	52391,957	15,100006	589,10004	577,9	575,2
19-12-2019 0:00	16:57:00	18,35214	10,285196	52442,977	15,100006	589,3	578,10004	575,4
19-12-2019 0:00	16:58:00	18,57458	10,279631	52174,184	15,100006	589,5	578,3	575,4
19-12-2019 0:00	16:59:00	18,397352	10,260217	52207,465	15,100006	589,7	578,5	575,60004
19-12-2019 0:00	17:00:00	18,520327	10,189902	52035,055	15,100006	588,7	577,8	575,5
19-12-2019 0:00	17:01:00	18,079065	10,32139	52341,89	15,100006	589,5	578,2	575,3
19-12-2019 0:00	17:02:00	18,196615	10,25722	52203,105	15,100006	588,8	577,8	575,3
19-12-2019 0:00	17:03:00	18,247252	10,248294	52357,758	15,100006	589,60004	578,2	575,3
19-12-2019 0:00	17:04:00	18,708405	10,285464	52289,367	15,100006	588,8	577,8	575,3
19-12-2019 0:00	17:05:00	18,449797	10,178264	51881,062	15,100006	587,2	576,60004	574,10004
19-12-2019 0:00	17:06:00	18,38831	10,258893	52276,555	15,100006	589	577,8	574,9
19-12-2019 0:00	17:07:00	18,223742	10,154937	51512,953	15,100006	589,2	578	575,10004
19-12-2019 0:00	17:08:00	18,03928	10,218239	51993,867	15,100006	589,2	577,8	574,9
19-12-2019 0:00	17:09:00	18,325014	10,23926	52100,83	15,100006	587,60004	577	574,5
19-12-2019 0:00	17:10:00	18,042896	10,250512	52269,117	15,100006	587,8	576,60004	573,9
19-12-2019 0:00	17:11:00	18,321398	10,242882	52154,082	15,100006	589,2	578	574,8
19-12-2019 0:00	17:12:00	18,093533	10,266384	52318,574	15	589,2	578	574,8
19-12-2019 0:00	17:13:00	17,598017	10,147116	51631,97	15	589,60004	578,4	575,2
19-12-2019 0:00	17:14:00	18,09534	10,201702	51909,723	15	589,8	578,4	575,4
19-12-2019 0:00	17:15:00	17,995876	10,154507	51669,574	15	589,4	578	575,4
19-12-2019 0:00	17:16:00	18,220123	10,151524	51654,395	15	589,60004	578,2	575,4
19-12-2019 0:00	17:17:00	17,94524	10,213245	52053,24	15	590	578,60004	575,60004
19-12-2019 0:00	17:18:00	18,429905	10,160746	51826,824	15	588,4	577,7	575
19-12-2019 0:00	17:19:00	18,25991	10,2777815	52212,484	15	589,4	577,9	575
19-12-2019 0:00	17:20:00	17,905455	10,205784	52089,03	15	589,60004	578,3	575,4



DATOS	61	61	61	61	61	61	61
PROMEDIO	18,2	10,2	52.085	15,0	589	578	575
DESV EST	0,23	0,0473	244	0,11	0,73	0,59	0,54
DESV EST %	0,0125	0,0046	0,0047	0,0071	0,0012	0,0010	0,0009
MAX	18,7	10,35	52.644	15,2	590	579	576
MIN	17,60	10,14	51512,95	14,90	586,60	576,10	573,60

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	17:21:00	18,433521	10,292763	52352,062	15	589,60004	578,5	575,4
19-12-2019 0:00	17:22:00	18,46969	10,16764	51699,516	15	589,4	578,3	575,2
19-12-2019 0:00	17:23:00	17,881945	10,302131	52296,445	15	588,4	577,5	574,60004
19-12-2019 0:00	17:24:00	18,406395	10,203839	51920,594	14,900009	587,8	576,9	574,2
19-12-2019 0:00	17:25:00	17,68844	10,257998	52275,04	14,900009	588,2	577,10004	574,2
19-12-2019 0:00	17:26:00	18,22555	10,237617	51961,453	14,900009	587,9	576,9	574,2
19-12-2019 0:00	17:27:00	18,288845	10,24147	52037,44	14,900009	587,5	576,5	573,8
19-12-2019 0:00	17:28:00	17,81684	10,195308	52117,145	14,900009	587,9	576,9	573,9
19-12-2019 0:00	17:29:00	18,180338	10,1532135	51663	14,900009	588,3	577,10004	574,10004
19-12-2019 0:00	17:30:00	18,140553	10,275217	52406,125	14,900009	588,5	577,3	574,3
19-12-2019 0:00	17:31:00	18,451605	10,173508	51766,26	14,900009	587,9	576,9	573,9
19-12-2019 0:00	17:32:00	18,32863	10,137887	51766,01	15	588,3	577,10004	574,3
19-12-2019 0:00	17:33:00	18,108	10,226585	52028,633	15	588,3	577,10004	574,3
19-12-2019 0:00	17:34:00	18,285229	10,23118	51934,85	15	588,3	577,10004	574,10004
19-12-2019 0:00	17:35:00	17,872902	10,212196	52064,152	15	588,5	577,3	574,3
19-12-2019 0:00	17:36:00	18,424479	10,191648	51858,56	14,900009	588,9	577,7	574,7
19-12-2019 0:00	17:37:00	18,3648	10,227458	52076,44	14,900009	589,3	577,9	575,10004
19-12-2019 0:00	17:38:00	18,13151	10,279426	52443,27	14,900009	588,7	577,7	574,7
19-12-2019 0:00	17:39:00	17,78248	10,285524	52301,13	14,900009	589,10004	577,9	574,9
19-12-2019 0:00	17:40:00	17,918114	10,208788	51926,797	14,900009	589,3	577,9	574,9
19-12-2019 0:00	17:41:00	18,348524	10,251509	52024,305	14,900009	589,3	578,10004	574,7
19-12-2019 0:00	17:42:00	18,379267	10,230297	52055,223	14,900009	589,10004	578,10004	574,7
19-12-2019 0:00	17:43:00	18,348524	10,2353115	52249,89	14,900009	588,9	577,9	574,9
19-12-2019 0:00	17:44:00	18,16587	10,167737	51885,4	14,900009	588,5	577,5	574,7
19-12-2019 0:00	17:45:00	18,28342	10,187818	52040,73	14,900009	588,5	577,3	574,3



DATOS	61	61	61	61	61	61	61
PROMEDIO	576	576	579	50,0	177	15,64	6,59
DESV EST	0,64	0,63	0,71	0,05	0,9	0,0089	0,0434
DESV EST %	0,0011	0,0011	0,0012	0,0010	0,0050	0,0006	0,0066
MAX	577	577	580	50,1	179	15,65	6,74
MIN	574,60	574,00	577,60	49,89	175,33	15,61	6,48

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	16:45:00	575,2	575,2	578,9	49,890648	176,67969	15,638853	6,621564
19-12-2019 0:00	16:46:00	575,8	575,2	578,9	50,03477	178,4592	15,638853	6,7401257
19-12-2019 0:00	16:47:00	574,60004	574	577,8	49,980198	178,15538	15,638853	6,623155
19-12-2019 0:00	16:48:00	575,8	575,10004	578,10004	50,025158	178,76302	15,638853	6,623155
19-12-2019 0:00	16:49:00	575,8	576,3	579,3	49,89226	176,96179	15,638853	6,623155
19-12-2019 0:00	16:50:00	576,4	576,3	580,10004	49,947453	179,39235	15,638853	6,731771
19-12-2019 0:00	16:51:00	577,10004	576,3	580,10004	49,9313	175,89844	15,638853	6,620768
19-12-2019 0:00	16:52:00	577,10004	576,8	580,10004	49,895325	177,0052	15,616862	6,620768
19-12-2019 0:00	16:53:00	576	575,60004	579	49,94607	178,39409	15,616862	6,6784577
19-12-2019 0:00	16:54:00	576	575,60004	579	49,948856	177,35242	15,649848	6,567853
19-12-2019 0:00	16:55:00	576,9	576,4	580	49,93787	176,39757	15,649848	6,5869503
19-12-2019 0:00	16:56:00	576,2	576,4	580	49,928246	177,1354	15,649848	6,589735
19-12-2019 0:00	16:57:00	576,2	576,4	579,4	49,942757	177,76476	15,649848	6,6255426
19-12-2019 0:00	16:58:00	576,7	576,4	579,7	49,93873	178,32898	15,620298	6,6255426
19-12-2019 0:00	16:59:00	576,7	576,4	579,7	49,961372	176,37585	15,620298	6,6255426
19-12-2019 0:00	17:00:00	576,7	576,4	579,7	49,971916	177,0486	15,620298	6,5945096
19-12-2019 0:00	17:01:00	576,4	576,4	579,7	50,035282	177,59114	15,647786	6,5945096
19-12-2019 0:00	17:02:00	576,4	576,4	579,7	49,961403	176,33246	15,647786	6,627134
19-12-2019 0:00	17:03:00	576,4	576,4	579,7	50,026146	177,72134	15,647786	6,6187787
19-12-2019 0:00	17:04:00	576,4	576,4	579,7	49,974407	177,30902	15,637478	6,5917244
19-12-2019 0:00	17:05:00	575,3	574,4	577,60004	50,0046	176,9184	15,637478	6,5917244
19-12-2019 0:00	17:06:00	575,3	575,60004	578,8	50,026794	177,0269	15,637478	6,540003
19-12-2019 0:00	17:07:00	576,10004	576,2	579,2	50,062675	176,9401	15,637478	6,5746164
19-12-2019 0:00	17:08:00	576,10004	576,2	579,2	50,02361	177,33072	15,637478	6,5746164
19-12-2019 0:00	17:09:00	575	575	578	50,008976	177,61284	15,637478	6,5853586
19-12-2019 0:00	17:10:00	575	574,60004	578	49,928482	176,48438	15,637478	6,6426506
19-12-2019 0:00	17:11:00	576,10004	575,8	579,10004	50,036945	176,9401	15,637478	6,5777993
19-12-2019 0:00	17:12:00	576,10004	576,2	579,7	50,045647	177,24391	15,637478	6,5777993
19-12-2019 0:00	17:13:00	576,7	576,2	579,7	49,94071	175,3559	15,637478	6,5610895
19-12-2019 0:00	17:14:00	576,7	576,5	579,7	49,93002	176,22395	15,637478	6,590531
19-12-2019 0:00	17:15:00	576,7	576,5	579,7	49,954094	176,9835	15,637478	6,587348
19-12-2019 0:00	17:16:00	576,2	576,5	579,7	49,987904	177,07031	15,637478	6,5754123
19-12-2019 0:00	17:17:00	576,9	576,5	579,7	49,905926	176,67969	15,637478	6,5738206
19-12-2019 0:00	17:18:00	575,8	576,5	579	49,96816	176,67969	15,637478	6,522895
19-12-2019 0:00	17:19:00	575,8	576,5	579	50,01002	176,59288	15,637478	6,569444
19-12-2019 0:00	17:20:00	576,9	576,5	580,10004	49,984875	177,48264	15,637478	6,569444



DATOS	61	61	61	61	61	61	61
PROMEDIO	576	576	579	50,0	177	15,64	6,59
DESV EST	0,64	0,63	0,71	0,05	0,9	0,0089	0,0434
DESV EST %	0,0011	0,0011	0,0012	0,0010	0,0050	0,0006	0,0066
MAX	577	577	580	50,1	179	15,65	6,74
MIN	574,60	574,00	577,60	49,89	175,33	15,61	6,48

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	17:21:00	576,9	576,5	580,10004	50,06274	177,0269	15,637478	6,569444
19-12-2019 0:00	17:22:00	576,5	576,5	579,7	50,050762	176,48438	15,637478	6,569444
19-12-2019 0:00	17:23:00	576,5	576,5	579,7	50,026363	177,37413	15,637478	6,569444
19-12-2019 0:00	17:24:00	575,9	575,8	579	49,984093	176,33246	15,637478	6,482313
19-12-2019 0:00	17:25:00	575,4	575,3	577,8	49,997036	177,35242	15,637478	6,598488
19-12-2019 0:00	17:26:00	575,4	575,3	578,60004	50,000576	176,44096	15,637478	6,584563
19-12-2019 0:00	17:27:00	574,7	575,3	577,8	49,98087	175,5946	15,637478	6,539605
19-12-2019 0:00	17:28:00	574,7	575,2	577,8	49,993046	176,50607	15,637478	6,540003
19-12-2019 0:00	17:29:00	575,4	575,2	578,60004	49,957253	175,3342	15,6148	6,5698423
19-12-2019 0:00	17:30:00	575,4	575,2	578,60004	50,03155	178,37239	15,6148	6,5698423
19-12-2019 0:00	17:31:00	575,4	575,2	578,60004	50,061344	177,72134	15,628545	6,5348306
19-12-2019 0:00	17:32:00	575,4	575,2	578,60004	49,939884	175,3559	15,628545	6,5193143
19-12-2019 0:00	17:33:00	575,4	575,60004	578,60004	50,010353	176,74478	15,628545	6,6227574
19-12-2019 0:00	17:34:00	575,4	575,60004	578,3	50,056786	176,52777	15,628545	6,5340347
19-12-2019 0:00	17:35:00	575,4	575,60004	578,3	50,011696	176,09375	15,628545	6,592918
19-12-2019 0:00	17:36:00	575,4	575,60004	578,8	50,00677	177,1354	15,628545	6,5698423
19-12-2019 0:00	17:37:00	576,4	576,4	579,7	50,08229	175,92014	15,628545	6,5240884
19-12-2019 0:00	17:38:00	576,4	576,4	579,7	50,07595	178,5026	15,628545	6,571036
19-12-2019 0:00	17:39:00	576,4	576,4	579,7	50,065857	178,06857	15,628545	6,571036
19-12-2019 0:00	17:40:00	576,4	576,4	579,7	50,038643	177,98177	15,645725	6,571036
19-12-2019 0:00	17:41:00	576,4	576,4	579,5	49,97208	178,19878	15,645725	6,6064453
19-12-2019 0:00	17:42:00	576,3	576,4	579,5	50,019505	178,5677	15,645725	6,5893373
19-12-2019 0:00	17:43:00	576,3	576,4	579,5	50,017918	176,80989	15,645725	6,5893373
19-12-2019 0:00	17:44:00	576,3	575,9	579,5	50,03959	176,70139	15,645725	6,5893373
19-12-2019 0:00	17:45:00	575,4	575,9	578,3	50,06921	177,54773	15,64435	6,5893373



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,59	6,63	0,9808	634	3,56	6,676	384
DESV EST	0,0369	0,0295	0,0028	5,9	0,0242	0,001	1,9
DESV EST %	0,0056	0,0045	0,0029	0,0093	0,0068	0,0002	0,0049
MAX	6,67	6,71	0,9839	648	3,60	6,680	387
MIN	6,47	6,55	0,98	623,24	3,51	6,67	380,10

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	16:45:00	6,640263	6,63708	0,9758301	640,2344	3,5560617	6,6776257	384,27734
19-12-2019 0:00	16:46:00	6,6203704	6,654984	0,9758301	643,65234	3,5560617	6,6776257	384,27734
19-12-2019 0:00	16:47:00	6,5853586	6,708695	0,9768066	643,65234	3,5560617	6,6756253	384,27734
19-12-2019 0:00	16:48:00	6,666124	6,7130713	0,9768066	643,65234	3,5560617	6,6756253	384,27734
19-12-2019 0:00	16:49:00	6,590531	6,6016707	0,9768066	639,4531	3,5560617	6,6756253	384,27734
19-12-2019 0:00	16:50:00	6,632306	6,667318	0,9762573	641,3086	3,5691116	6,6756253	384,27734
19-12-2019 0:00	16:51:00	6,559498	6,657371	0,9762573	645,01953	3,5691116	6,673911	384,27734
19-12-2019 0:00	16:52:00	6,640263	6,6529946	0,9762573	645,01953	3,5536892	6,673911	384,27734
19-12-2019 0:00	16:53:00	6,6390696	6,699942	0,9762573	633,8867	3,5536892	6,6770544	384,27734
19-12-2019 0:00	16:54:00	6,6390696	6,648618	0,9762573	641,6992	3,5536892	6,6770544	382,54123
19-12-2019 0:00	16:55:00	6,6390696	6,648618	0,9762573	641,6992	3,5536892	6,6770544	382,54123
19-12-2019 0:00	16:56:00	6,6390696	6,660952	0,9762573	646,28906	3,5536892	6,6764827	382,54123
19-12-2019 0:00	16:57:00	6,6621456	6,6422524	0,9762573	647,5586	3,5536892	6,6764827	382,54123
19-12-2019 0:00	16:58:00	6,6195745	6,6422524	0,9762573	643,16406	3,5536892	6,6764827	382,54123
19-12-2019 0:00	16:59:00	6,636285	6,6506076	0,9786377	637,5	3,5281827	6,6764827	382,54123
19-12-2019 0:00	17:00:00	6,636285	6,6506076	0,9786377	637,5	3,5578413	6,676197	383,13803
19-12-2019 0:00	17:01:00	6,5754123	6,629521	0,9786377	629,8828	3,5649593	6,676197	386,39325
19-12-2019 0:00	17:02:00	6,632306	6,629521	0,9802856	630,1758	3,5649593	6,676197	383,68057
19-12-2019 0:00	17:03:00	6,624747	6,629521	0,9802856	634,8633	3,5649593	6,676197	383,68057
19-12-2019 0:00	17:04:00	6,576606	6,629521	0,9807739	635,35156	3,5649593	6,676197	383,68057
19-12-2019 0:00	17:05:00	6,5575085	6,624349	0,9807739	631,9336	3,5649593	6,676197	383,68057
19-12-2019 0:00	17:06:00	6,581778	6,5972943	0,9821167	626,26953	3,598177	6,6767683	383,68057
19-12-2019 0:00	17:07:00	6,581778	6,5972943	0,9821167	629,58984	3,5412326	6,6767683	383,68057
19-12-2019 0:00	17:08:00	6,581778	6,6167893	0,9821167	629,58984	3,5560617	6,6767683	383,68057
19-12-2019 0:00	17:09:00	6,557111	6,6167893	0,9827881	629,58984	3,5560617	6,6767683	383,68057
19-12-2019 0:00	17:10:00	6,672092	6,6167893	0,9827881	629,58984	3,5560617	6,6767683	381,7817
19-12-2019 0:00	17:11:00	6,5813804	6,6167893	0,9827881	623,2422	3,5560617	6,6767683	381,7817
19-12-2019 0:00	17:12:00	6,5813804	6,632704	0,9827881	631,0547	3,521658	6,6767683	381,7817
19-12-2019 0:00	17:13:00	6,5813804	6,5976925	0,9827881	628,6133	3,5596209	6,6767683	381,7817
19-12-2019 0:00	17:14:00	6,5813804	6,5976925	0,9827881	628,6133	3,5192852	6,6767683	381,7817
19-12-2019 0:00	17:15:00	6,615198	6,6426506	0,9827881	628,6133	3,5192852	6,6767683	381,7817
19-12-2019 0:00	17:16:00	6,581778	6,59252	0,9827881	633,39844	3,536487	6,679626	381,7817
19-12-2019 0:00	17:17:00	6,6163917	6,626338	0,9827881	632,3242	3,536487	6,6764827	381,7817
19-12-2019 0:00	17:18:00	6,579391	6,6148005	0,9827881	632,3242	3,536487	6,6770544	381,7817
19-12-2019 0:00	17:19:00	6,579391	6,60366	0,9827881	632,3242	3,536487	6,6770544	380,09982
19-12-2019 0:00	17:20:00	6,613209	6,60366	0,9827881	627,4414	3,5145397	6,6770544	380,09982



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,59	6,63	0,9808	634	3,56	6,676	384
DESV EST	0,0369	0,0295	0,0028	5,9	0,0242	0,001	1,9
DESV EST %	0,0056	0,0045	0,0029	0,0093	0,0068	0,0002	0,0049
MAX	6,67	6,71	0,9839	648	3,60	6,680	387
MIN	6,47	6,55	0,98	623,24	3,51	6,67	380,10

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	17:21:00	6,5754123	6,60366	0,9827881	630,5664	3,5145397	6,6770544	381,56467
19-12-2019 0:00	17:22:00	6,6163917	6,60366	0,9827881	630,5664	3,535894	6,6770544	381,56467
19-12-2019 0:00	17:23:00	6,5690465	6,60366	0,9827881	631,9336	3,535894	6,6770544	381,56467
19-12-2019 0:00	17:24:00	6,4703774	6,549949	0,9799194	633,78906	3,5252168	6,6770544	380,3711
19-12-2019 0:00	17:25:00	6,6163917	6,6008754	0,9799194	633,78906	3,5252168	6,6770544	380,3711
19-12-2019 0:00	17:26:00	6,5869503	6,6251445	0,9799194	633,78906	3,5252168	6,6770544	383,57205
19-12-2019 0:00	17:27:00	6,5869503	6,6474247	0,9799194	633,78906	3,5453846	6,6770544	383,57205
19-12-2019 0:00	17:28:00	6,5869503	6,6275315	0,982605	629,0039	3,5453846	6,6770544	383,57205
19-12-2019 0:00	17:29:00	6,5869503	6,6311126	0,982605	633,59375	3,5958042	6,6756253	383,57205
19-12-2019 0:00	17:30:00	6,5869503	6,6311126	0,9819336	633,59375	3,5299623	6,6756253	383,57205
19-12-2019 0:00	17:31:00	6,5869503	6,6287255	0,9819336	630,3711	3,584534	6,6767683	383,57205
19-12-2019 0:00	17:32:00	6,579391	6,6287255	0,9819336	630,3711	3,584534	6,675054	386,93576
19-12-2019 0:00	17:33:00	6,52568	6,647027	0,9819336	630,3711	3,6041088	6,675054	386,93576
19-12-2019 0:00	17:34:00	6,5674553	6,649016	0,9838867	630,3711	3,6041088	6,675054	386,93576
19-12-2019 0:00	17:35:00	6,6167893	6,6474247	0,9838867	625,78125	3,6041088	6,6764827	386,93576
19-12-2019 0:00	17:36:00	6,5626807	6,6008754	0,9838867	629,39453	3,6041088	6,6741967	386,93576
19-12-2019 0:00	17:37:00	6,5467663	6,589735	0,9838867	629,39453	3,5750432	6,676197	386,93576
19-12-2019 0:00	17:38:00	6,5626807	6,626736	0,9838867	631,54297	3,536487	6,676197	386,93576
19-12-2019 0:00	17:39:00	6,590531	6,627134	0,9838867	626,46484	3,580975	6,673911	385,47092
19-12-2019 0:00	17:40:00	6,590531	6,5945096	0,9838867	626,46484	3,580975	6,676197	385,47092
19-12-2019 0:00	17:41:00	6,5777993	6,660554	0,9838867	641,60156	3,580975	6,676197	385,47092
19-12-2019 0:00	17:42:00	6,609628	6,6342955	0,9838867	634,96094	3,580975	6,676197	385,47092
19-12-2019 0:00	17:43:00	6,609628	6,6342955	0,9838867	632,6172	3,580975	6,676197	385,47092
19-12-2019 0:00	17:44:00	6,50897	6,5945096	0,9821777	626,1719	3,580975	6,6770544	385,47092
19-12-2019 0:00	17:45:00	6,5610895	6,5774016	0,9821777	632,4219	3,5946178	6,670482	385,47092



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	173,5	77,58	21,1	0,804	46,1	58,2	184,3	11,84
DESV EST	0,9	1,49	0,04	0,010	0,16	0,84	0,56	0,23
DESV EST %	0,0050	0,0192	0,0021	0,0120	0,0035	0,0145	0,0031	0,0196
MAX	175,4	80,19	21,2	0,823	46,5	59,2	185,4	12,17
MIN	171,60	74,82	21,00	0,77	45,69	56,67	183,35	11,51

UNIT LOAD SETPOINT GT		F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR	
Date	Time	11CJA00DE100  XQ95	11LCA20CF001  XQ01	10LCA20CP001  XQ01	11LAE10CF001  XQ01	11LCA60CF001  XQ01	11LAB20CF001  XQ01	10LAB20CP001  XQ01	11LAB50CF001  XQ01
		MW	kg/s	BAR	kg/s	kg/s	kg/s	BAR	kg/s
19-12-2019 0:00	16:45:00	172,88431	77,55745	21,036242	0,8232582	45,898693	58,27412	183,69792	11,857854
19-12-2019 0:00	16:46:00	175,31224	77,38956	21,105686	0,7962769	46,0966	58,939625	184,03647	11,84347
19-12-2019 0:00	16:47:00	173,95064	77,38956	21,099176	0,8050982	45,930855	58,563164	184,05383	11,84347
19-12-2019 0:00	16:48:00	175,33716	77,529076	21,165365	0,8050982	46,18909	58,74285	184,05383	11,84347
19-12-2019 0:00	16:49:00	173,1158	77,31631	21,052519	0,788012	46,05407	58,54209	183,66321	11,819722
19-12-2019 0:00	16:50:00	175,39253	77,56331	21,111113	0,8081799	46,037262	58,50234	183,66321	11,819722
19-12-2019 0:00	16:51:00	172,43784	77,32429	21,07422	0,8023912	46,030933	58,516476	183,79341	11,841783
19-12-2019 0:00	16:52:00	172,8798	77,53757	21,07422	0,8114688	46,030933	58,113464	183,79341	11,821662
19-12-2019 0:00	16:53:00	174,93254	77,34716	21,067709	0,7724202	46,030933	58,22494	183,47223	11,83117
19-12-2019 0:00	16:54:00	173,3525	77,34716	21,002605	0,8073419	46,002148	58,66876	183,47223	11,83117
19-12-2019 0:00	16:55:00	174,11383	77,425186	21,056858	0,8073419	46,180363	58,540268	183,68056	11,824381
19-12-2019 0:00	16:56:00	173,65132	77,1772	21,057943	0,8074048	46,13071	58,72732	183,46355	11,824381
19-12-2019 0:00	16:57:00	173,97531	77,088066	21,057943	0,7987981	45,860462	58,605297	183,35071	11,824381
19-12-2019 0:00	16:58:00	172,97408	77,28681	21,025393	0,8110238	45,988125	58,571434	183,68924	11,824381
19-12-2019 0:00	16:59:00	173,05284	77,38705	21,047092	0,7995002	45,94972	58,792397	183,81946	11,839764
19-12-2019 0:00	17:00:00	173,30801	77,65468	21,06988	0,8138062	46,23262	58,213226	184,3316	11,839764
19-12-2019 0:00	17:01:00	174,89246	77,56477	21,165365	0,8232582	46,054386	58,634747	184,2014	11,851265
19-12-2019 0:00	17:02:00	172,36739	77,39805	21,111113	0,8058142	46,054386	58,454834	184,2014	11,851265
19-12-2019 0:00	17:03:00	174,45665	77,39805	21,124132	0,8058142	46,10294	58,71442	184,2014	11,851265
19-12-2019 0:00	17:04:00	174,32738	77,63307	21,068794	0,796892	46,10478	58,438896	184,5139	11,857978
19-12-2019 0:00	17:05:00	172,91586	77,398346	21,091581	0,8078535	45,869556	58,753006	184,18404	11,5153675
19-12-2019 0:00	17:06:00	172,97147	77,6077	21,14258	0,8078535	46,065884	58,55635	184,5139	11,547167
19-12-2019 0:00	17:07:00	173,04097	77,732994	21,153429	0,7821356	46,065884	57,13484	185,37328	11,582347
19-12-2019 0:00	17:08:00	174,20395	77,59851	21,139324	0,8049843	45,842773	57,33985	185,02605	11,546482
19-12-2019 0:00	17:09:00	173,5529	77,437416	21,139324	0,8217601	46,53354	57,06489	185,02605	11,563478
19-12-2019 0:00	17:10:00	173,10132	77,437416	21,048178	0,8117556	46,135666	56,674694	184,66147	11,526618
19-12-2019 0:00	17:11:00	173,8668	77,29682	21,16428	0,8117556	46,119507	57,100082	184,85243	11,545181
19-12-2019 0:00	17:12:00	174,73782	77,39553	21,100262	0,8012672	46,077038	57,12255	184,68752	11,510713
19-12-2019 0:00	17:13:00	172,01768	77,2782	21,047092	0,8012672	46,211956	56,838528	184,66147	11,56481
19-12-2019 0:00	17:14:00	174,00946	77,62874	21,09592	0,8032684	46,117226	56,85558	185,00868	11,551581
19-12-2019 0:00	17:15:00	173,13939	75,92891	21,14258	0,7949721	45,694767	56,869175	185,24306	11,567414
19-12-2019 0:00	17:16:00	173,85696	75,1608	21,110027	0,8023486	46,29745	56,850094	185,02605	11,54062
19-12-2019 0:00	17:17:00	172,68866	74,82001	21,07205	0,7839044	46,29745	56,906406	184,70486	11,54062
19-12-2019 0:00	17:18:00	173,35867	75,06116	21,161026	0,8039327	46,331127	57,01199	185,35591	11,571632
19-12-2019 0:00	17:19:00	173,31087	75,02013	21,14041	0,8043415	46,11113	56,85814	185,26042	11,555394
19-12-2019 0:00	17:20:00	173,81355	75,20203	21,137154	0,8043415	46,259796	57,014122	185,26042	11,555394



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	173,5	77,58	21,1	0,804	46,1	58,2	184,3	11,84
DESV EST	0,9	1,49	0,04	0,010	0,16	0,84	0,56	0,23
DESV EST %	0,0050	0,0192	0,0021	0,0120	0,0035	0,0145	0,0031	0,0196
MAX	175,4	80,19	21,2	0,823	46,5	59,2	185,4	12,17
MIN	171,60	74,82	21,00	0,77	45,69	56,67	183,35	11,51

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	17:21:00	173,79033	75,078224	21,16428	0,8179762	46,34015	57,24518	185,43404	11,577352
19-12-2019 0:00	17:22:00	172,89464	75,17903	21,16428	0,8152646	46,34015	57,04992	185,21703	11,561466
19-12-2019 0:00	17:23:00	173,45532	75,17903	21,118708	0,816773	46,29428	57,098854	185,03473	11,561466
19-12-2019 0:00	17:24:00	171,59909	74,84537	21,031902	0,8066167	46,29428	56,930264	184,50522	11,811059
19-12-2019 0:00	17:25:00	173,67209	75,21908	21,180557	0,8066167	46,121544	57,192204	184,7396	12,111883
19-12-2019 0:00	17:26:00	173,49847	78,010574	21,079645	0,7965909	46,191235	58,877296	183,86285	12,096221
19-12-2019 0:00	17:27:00	172,27371	78,010574	21,111113	0,8047088	45,99468	58,91371	183,88022	12,070834
19-12-2019 0:00	17:28:00	172,90007	78,010574	21,111113	0,7994924	46,06994	58,979424	183,88022	12,104272
19-12-2019 0:00	17:29:00	172,17172	78,010574	21,067709	0,806765	46,06994	58,775757	183,88022	12,095811
19-12-2019 0:00	17:30:00	174,98732	77,944916	21,14258	0,7861505	45,99946	59,075943	184,03647	12,095811
19-12-2019 0:00	17:31:00	173,8815	80,05597	21,075304	0,7876311	45,956833	59,071598	184,18404	12,112988
19-12-2019 0:00	17:32:00	171,99548	80,05597	21,031902	0,8110077	46,29939	58,601704	184,18404	12,112988
19-12-2019 0:00	17:33:00	172,95876	80,16023	21,138239	0,8110077	45,925316	58,946163	184,34897	12,138114
19-12-2019 0:00	17:34:00	173,35532	80,19393	21,115452	0,7976808	46,015656	58,881577	184,3316	12,125792
19-12-2019 0:00	17:35:00	173,50926	79,92065	21,075304	0,8069115	45,94918	58,981644	184,3316	12,138961
19-12-2019 0:00	17:36:00	173,38593	79,92065	21,1046	0,8179942	45,756653	58,69278	183,96703	12,108161
19-12-2019 0:00	17:37:00	172,78717	79,79389	21,090496	0,8040712	45,816357	59,05441	184,40105	12,125758
19-12-2019 0:00	17:38:00	173,90285	79,99746	21,115452	0,7888853	45,816357	59,079956	184,3316	12,153959
19-12-2019 0:00	17:39:00	174,42368	80,04728	21,137154	0,8059181	45,889385	58,91299	184,57466	12,140673
19-12-2019 0:00	17:40:00	174,01526	79,89347	21,138239	0,8059181	46,00534	58,863605	184,38368	12,172745
19-12-2019 0:00	17:41:00	174,87822	79,75388	21,121964	0,8062123	46,021553	59,142483	184,22743	12,157181
19-12-2019 0:00	17:42:00	174,48285	78,14618	21,111113	0,8062123	45,92861	59,171597	183,7066	12,134178
19-12-2019 0:00	17:43:00	174,19113	78,077835	21,06988	0,8062123	45,966408	58,80851	184,2014	12,076531
19-12-2019 0:00	17:44:00	172,58414	78,05595	21,132814	0,8031193	45,906296	59,080116	184,3316	12,076531
19-12-2019 0:00	17:45:00	173,4489	78,47983	21,181643	0,8031193	46,125465	57,32103	185,26042	12,134933





DATOS	61	61	61	61	61	61	61	61	61
PROMEDIO	73,73	0,19	7,71	16,92	1.914,71	86,92	85,75	23,19	
DESV EST	0,25	0,10	0,09	0,06	12,37	0,05	0,06	0,03	
DESV EST %	0,0035	0,5210	0,0112	0,0038	0,0065	0,0006	0,0007	0,0013	
MAX	74,24	0,52	7,94	17,05	1940,07	87,02	85,86	23,25	
MIN	73,34	0,10	7,57	16,76	1890,49	86,78	85,57	23,13	

		PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
Date	Time	10LAB50CP001  XQ01	11LAF10CF001  XQ01	11LCA31CF001  XQ01	11LCA30CP001  XQ01	10LAA10FL901  XQ01	10LBA10FP004  XQ01	10MAA50CP001  XQ01	10LBC10FP911  XQ01
		BAR	kg/s	kg/s	BAR	mm	bar	bar	bar
19-12-2019 0:00	16:45:00	73,415794	0,398723	7,7911515	16,858725	1940,0688	86,78186	85,56712	23,133682
19-12-2019 0:00	16:46:00	73,58941	0,1743134	7,8050776	16,901043	1937,8772	86,78186	85,625	23,167692
19-12-2019 0:00	16:47:00	73,65813	0,1187746	7,7935524	16,901043	1934,0044	86,834854	85,625	23,167692
19-12-2019 0:00	16:48:00	73,56047	0,1867968	7,6606245	16,918404	1930,0559	86,85595	85,7118	23,167692
19-12-2019 0:00	16:49:00	73,33984	0,1342833	7,6274233	16,869576	1927,9233	86,85595	85,7118	23,167692
19-12-2019 0:00	16:50:00	73,51707	0,1296256	7,6428175	16,895617	1931,1403	86,823235	85,665504	23,167692
19-12-2019 0:00	16:51:00	73,48452	0,1234753	7,6346006	16,895617	1925,3126	86,823235	85,665504	23,167692
19-12-2019 0:00	16:52:00	73,48452	0,1308449	7,6167946	16,895617	1927,0269	86,81044	85,665504	23,167692
19-12-2019 0:00	16:53:00	73,423035	0,1081788	7,6296754	16,865234	1926,8195	86,853035	85,665504	23,167692
19-12-2019 0:00	16:54:00	73,48452	0,3303584	7,641839	16,884766	1923,4995	86,853035	85,665504	23,167692
19-12-2019 0:00	16:55:00	73,48452	0,1065853	7,6070886	16,864151	1920,3246	86,88282	85,665504	23,167692
19-12-2019 0:00	16:56:00	73,50622	0,2661362	7,642604	16,886936	1920,0361	86,88282	85,7118	23,167692
19-12-2019 0:00	16:57:00	73,50622	0,3454432	7,6191573	16,825089	1916,223	86,88282	85,7118	23,167692
19-12-2019 0:00	16:58:00	73,451965	0,2039768	7,631201	16,867405	1916,271	86,88282	85,7118	23,167692
19-12-2019 0:00	16:59:00	73,451965	0,1076784	7,7340775	16,867405	1916,6559	86,89105	85,7118	23,167692
19-12-2019 0:00	17:00:00	73,66537	0,1061268	7,7431364	16,944445	1913,4858	86,91926	85,7118	23,167692
19-12-2019 0:00	17:01:00	73,640045	0,2846336	7,7608786	16,959637	1910,0559	86,95528	85,79282	23,167692
19-12-2019 0:00	17:02:00	73,49537	0,1907699	7,7267313	16,966146	1909,2571	86,95528	85,79282	23,167692
19-12-2019 0:00	17:03:00	73,66537	0,3723982	7,6533847	16,935764	1907,8796	86,96445	85,79282	23,167692
19-12-2019 0:00	17:04:00	73,8028	0,1012566	7,6326146	16,93034	1905,0398	86,96445	85,79282	23,167692
19-12-2019 0:00	17:05:00	73,77387	0,1743874	7,8829913	16,923828	1903,6523	86,99832	85,79282	23,167692
19-12-2019 0:00	17:06:00	73,933014	0,157294	7,888746	16,923828	1901,6829	87,021126	85,86227	23,167692
19-12-2019 0:00	17:07:00	74,157265	0,1936757	7,8878775	16,944445	1902,9396	87,0028	85,86227	23,167692
19-12-2019 0:00	17:08:00	74,05961	0,1273864	7,68483	16,944445	1903,6969	86,96959	85,86227	23,167692
19-12-2019 0:00	17:09:00	74,09939	0,519316	7,6610823	16,944445	1908,6062	86,96959	85,79861	23,167692
19-12-2019 0:00	17:10:00	73,933014	0,181263	7,65288	16,865234	1910,9604	86,96959	85,79861	23,198065
19-12-2019 0:00	17:11:00	73,933014	0,1293254	7,6691236	16,91298	1916,7085	86,96846	85,79861	23,198065
19-12-2019 0:00	17:12:00	73,88238	0,251775	7,6456695	16,91298	1920,2095	86,93738	85,79861	23,198065
19-12-2019 0:00	17:13:00	74,14641	0,2760685	7,652015	16,946615	1921,0399	86,91455	85,79861	23,198065
19-12-2019 0:00	17:14:00	74,06684	0,1014773	7,6441298	16,914062	1926,3066	86,91455	85,74074	23,198065
19-12-2019 0:00	17:15:00	74,1645	0,1791694	7,6852956	16,94336	1933,9183	86,91455	85,74074	23,198065
19-12-2019 0:00	17:16:00	73,91855	0,1793362	7,7051063	17,037762	1930,3688	86,901306	85,74074	23,198065
19-12-2019 0:00	17:17:00	73,93663	0,1018014	7,6426716	17,011719	1928,5822	86,901306	85,74074	23,198065
19-12-2019 0:00	17:18:00	74,14641	0,3794044	7,6786757	17,051867	1924,8542	86,93325	85,74074	23,220488
19-12-2019 0:00	17:19:00	74,08131	0,2106253	7,6700497	17,051867	1923,3861	86,9505	85,74074	23,220488
19-12-2019 0:00	17:20:00	74,17173	0,1973304	7,7909737	17,051867	1920,7714	86,9505	85,78125	23,220488



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	73,73	0,19	7,71	16,92	1.914,71	86,92	85,75	23,19
DESV EST	0,25	0,10	0,09	0,06	12,37	0,05	0,06	0,03
DESV EST %	0,0035	0,5210	0,0112	0,0038	0,0065	0,0006	0,0007	0,0013
MAX	74,24	0,52	7,94	17,05	1940,07	87,02	85,86	23,25
MIN	73,34	0,10	7,57	16,76	1890,49	86,78	85,57	23,13

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	17:21:00	74,17173	0,1130987	7,7788095	17,051867	1916,1985	86,9505	85,78125	23,220488
19-12-2019 0:00	17:22:00	74,244064	0,1835776	7,7881885	17,051867	1913,1017	86,9505	85,78125	23,220488
19-12-2019 0:00	17:23:00	74,00897	0,383981	7,8838687	17,00955	1905,6279	86,9505	85,78125	23,220488
19-12-2019 0:00	17:24:00	73,78834	0,1092872	7,9385505	16,960722	1907,6487	86,96552	85,78125	23,220488
19-12-2019 0:00	17:25:00	73,80642	0,1544198	7,8629556	17,032335	1902,19	86,96552	85,78125	23,248701
19-12-2019 0:00	17:26:00	73,56047	0,2348846	7,7703295	16,902128	1899,4988	86,97366	85,79861	23,248701
19-12-2019 0:00	17:27:00	73,44112	0,2952362	7,7587	16,902128	1897,4656	86,97366	85,79861	23,248701
19-12-2019 0:00	17:28:00	73,50622	0,109312	7,747695	16,908638	1896,5088	86,97366	85,79861	23,248701
19-12-2019 0:00	17:29:00	73,50622	0,1200524	7,7423444	16,929255	1895,0502	86,97366	85,79861	23,248701
19-12-2019 0:00	17:30:00	73,44473	0,517938	7,784871	16,916233	1890,4932	86,94491	85,79861	23,248701
19-12-2019 0:00	17:31:00	73,48452	0,1217238	7,7581077	16,845703	1890,7037	86,94491	85,79861	23,248701
19-12-2019 0:00	17:32:00	73,48452	0,1321049	7,728777	16,764324	1892,0579	86,92784	85,79861	23,248701
19-12-2019 0:00	17:33:00	73,64366	0,1267844	7,735821	16,867405	1896,9788	86,92784	85,74653	23,248701
19-12-2019 0:00	17:34:00	73,64366	0,1479715	7,7576303	16,838108	1898,6223	86,916275	85,74653	23,198631
19-12-2019 0:00	17:35:00	73,64728	0,1034317	7,7436433	16,865234	1902,9509	86,8925	85,74653	23,198631
19-12-2019 0:00	17:36:00	73,64728	0,2575061	7,6834545	16,843534	1905,7781	86,8925	85,74653	23,198631
19-12-2019 0:00	17:37:00	73,58579	0,2084172	7,7388306	16,848959	1909,9602	86,88036	85,74653	23,198631
19-12-2019 0:00	17:38:00	73,650894	0,1511034	7,726077	16,848959	1913,3771	86,88036	85,7118	23,198631
19-12-2019 0:00	17:39:00	73,79557	0,1705663	7,744272	16,848959	1914,9817	86,90405	85,7118	23,198631
19-12-2019 0:00	17:40:00	73,74132	0,2769954	7,5908313	16,875	1918,4393	86,90405	85,7118	23,164352
19-12-2019 0:00	17:41:00	73,73047	0,1250385	7,572441	16,835938	1921,1217	86,90405	85,7118	23,164352
19-12-2019 0:00	17:42:00	73,36154	0,1082519	7,5996866	16,86849	1924,1765	86,90405	85,74074	23,164352
19-12-2019 0:00	17:43:00	73,59664	0,101107	7,6086283	16,873917	1921,9578	86,90405	85,74074	23,164352
19-12-2019 0:00	17:44:00	73,73047	0,1293904	7,609937	16,944445	1923,1855	86,9316	85,74074	23,164352
19-12-2019 0:00	17:45:00	73,9945	0,1698648	7,6066394	16,948786	1922,4242	86,9316	85,79282	23,164352



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	22,40	22,02	2,50	3,50	2,70	2,63	0,05	533,51
DESV EST	0,03	0,03	0,01	0,01	0,00	0,01	0,00	0,28
DESV EST %	0,0013	0,0012	0,0024	0,0037	0,0016	0,0022	0,0056	0,0005
MAX	22,46	22,07	2,52	3,53	2,71	2,65	0,05	533,84
MIN	22,37	21,99	2,49	3,49	2,68	2,63	0,05	532,92

Date	Time	IP PRES ACT VAL 10LBB10FP002  XQ01 bar	STM AHD IP BLADING 10MAB50CP001  XQ01 bar	STM IP EXHAUST 10MAB50CP021  XQ01 bar	PRES D/AST 10LAA10CP001  XQ01 BAR	LP PRES ACT VAL 10LBA80FP002  XQ01 bar	PRES INL LP CSG 10MAC11FP901  XQ01 barabs	PRES CONDR 1 10MAG01FP902  XQ01 barabs	TEMP HP MS U/S ST 10LBA11CT001  XQ01 °C
19-12-2019 0:00	16:45:00	22,383255	22,00087	2,4964554	3,4959555	2,6979456	2,63187	0,0459002	532,921
19-12-2019 0:00	16:46:00	22,375294	22,00087	2,494285	3,4959555	2,6979456	2,63187	0,0459002	532,921
19-12-2019 0:00	16:47:00	22,388262	22,00087	2,494285	3,52673	2,706356	2,6313877	0,0459002	532,921
19-12-2019 0:00	16:48:00	22,388262	22,00087	2,494285	3,497766	2,7021027	2,6346428	0,0459002	532,921
19-12-2019 0:00	16:49:00	22,388262	22,00087	2,4964554	3,497766	2,6969807	2,6327138	0,0460087	532,921
19-12-2019 0:00	16:50:00	22,379078	22,00087	2,4964554	3,4901628	2,6969807	2,627771	0,0460087	532,921
19-12-2019 0:00	16:51:00	22,379078	22,00087	2,4913917	3,4901628	2,6969807	2,6292176	0,0460087	533,13257
19-12-2019 0:00	16:52:00	22,36894	22,00087	2,4913917	3,4901628	2,6930285	2,6292176	0,0457917	533,13257
19-12-2019 0:00	16:53:00	22,36894	22,00087	2,4913917	3,4901628	2,6986334	2,6276505	0,0457917	533,13257
19-12-2019 0:00	16:54:00	22,36894	22,00087	2,4913917	3,4901628	2,7014487	2,6276505	0,0457917	533,46173
19-12-2019 0:00	16:55:00	22,36894	22,00087	2,4913917	3,4901628	2,702244	2,6276505	0,0457917	533,46173
19-12-2019 0:00	16:56:00	22,36894	22,00087	2,4913917	3,4901628	2,700687	2,6276505	0,0457917	533,46173
19-12-2019 0:00	16:57:00	22,374956	21,990019	2,4913917	3,4865422	2,700687	2,6276505	0,0456712	533,46173
19-12-2019 0:00	16:58:00	22,374956	21,990019	2,4913917	3,4865422	2,700687	2,6276505	0,0456712	533,46173
19-12-2019 0:00	16:59:00	22,374956	21,990019	2,4913917	3,4865422	2,7001734	2,6281326	0,0456712	533,72034
19-12-2019 0:00	17:00:00	22,374956	21,990019	2,4913917	3,4887147	2,6992009	2,6281326	0,0456712	533,72034
19-12-2019 0:00	17:01:00	22,374956	21,990019	2,4913917	3,4887147	2,7043605	2,6281326	0,0455385	533,72034
19-12-2019 0:00	17:02:00	22,38481	21,990019	2,4913917	3,4887147	2,7008684	2,6292176	0,0455385	533,72034
19-12-2019 0:00	17:03:00	22,387646	21,990019	2,4913917	3,4887147	2,7008684	2,6292176	0,0453939	533,72034
19-12-2019 0:00	17:04:00	22,387646	22,00955	2,4913917	3,4887147	2,6988742	2,630785	0,0453939	533,72034
19-12-2019 0:00	17:05:00	22,3961	22,00955	2,4997106	3,5184026	2,6841006	2,630785	0,0453939	533,72034
19-12-2019 0:00	17:06:00	22,407	22,00955	2,4997106	3,5220232	2,7054477	2,6339195	0,0453939	533,72034
19-12-2019 0:00	17:07:00	22,403032	22,00955	2,4997106	3,5220232	2,7036483	2,6339195	0,0453577	533,72034
19-12-2019 0:00	17:08:00	22,403032	22,00955	2,4964554	3,497766	2,697619	2,6339195	0,0453577	533,72034
19-12-2019 0:00	17:09:00	22,397047	22,00955	2,4964554	3,4901628	2,699229	2,6339195	0,0453577	533,72034
19-12-2019 0:00	17:10:00	22,4143	22,037762	2,4964554	3,4901628	2,6976752	2,6339195	0,0453577	533,72034
19-12-2019 0:00	17:11:00	22,420221	22,037762	2,4964554	3,497766	2,7014403	2,635728	0,0453577	533,72034
19-12-2019 0:00	17:12:00	22,420221	22,037762	2,4997106	3,497766	2,7050898	2,635728	0,0453577	533,72034
19-12-2019 0:00	17:13:00	22,420221	22,037762	2,4997106	3,497766	2,6874	2,6391037	0,0453577	533,72034
19-12-2019 0:00	17:14:00	22,420221	22,037762	2,4997106	3,497766	2,7008133	2,6391037	0,0453577	533,72034
19-12-2019 0:00	17:15:00	22,420221	22,037762	2,4997106	3,497766	2,7001083	2,6371746	0,0453577	533,72034
19-12-2019 0:00	17:16:00	22,427025	22,037762	2,4997106	3,497766	2,6962178	2,63838	0,0453577	533,72034
19-12-2019 0:00	17:17:00	22,427025	22,037762	2,5018806	3,5097136	2,7014742	2,63838	0,0453577	533,72034
19-12-2019 0:00	17:18:00	22,427025	22,037762	2,5018806	3,5097136	2,7016406	2,643926	0,0453577	533,72034
19-12-2019 0:00	17:19:00	22,4408	22,037762	2,5018806	3,5155063	2,7020874	2,6425998	0,0452613	533,72034
19-12-2019 0:00	17:20:00	22,4408	22,061632	2,5065827	3,5155063	2,7016594	2,6425998	0,0452613	533,72034



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	22,40	22,02	2,50	3,50	2,70	2,63	0,05	533,51
DESV EST	0,03	0,03	0,01	0,01	0,00	0,01	0,00	0,28
DESV EST %	0,0013	0,0012	0,0024	0,0037	0,0016	0,0022	0,0056	0,0005
MAX	22,46	22,07	2,52	3,53	2,71	2,65	0,05	533,84
MIN	22,37	21,99	2,49	3,49	2,68	2,63	0,05	532,92

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	17:21:00	22,445513	22,061632	2,5018806	3,519127	2,706057	2,6427205	0,0452613	533,72034
19-12-2019 0:00	17:22:00	22,445513	22,061632	2,5018806	3,519127	2,7019858	2,6427205	0,0452613	533,72034
19-12-2019 0:00	17:23:00	22,449104	22,061632	2,5018806	3,5249195	2,707827	2,6406708	0,0451528	533,8379
19-12-2019 0:00	17:24:00	22,458403	22,061632	2,5196035	3,5249195	2,7102408	2,6451316	0,0451528	533,8379
19-12-2019 0:00	17:25:00	22,450472	22,061632	2,5051358	3,5249195	2,7112217	2,6451316	0,0451528	533,8379
19-12-2019 0:00	17:26:00	22,46419	22,061632	2,5065827	3,5296264	2,7015836	2,6468194	0,0451528	533,8379
19-12-2019 0:00	17:27:00	22,46419	22,061632	2,5065827	3,5220232	2,6991918	2,6429615	0,0451528	533,8379
19-12-2019 0:00	17:28:00	22,458368	22,070314	2,5065827	3,5220232	2,699411	2,6434438	0,0451528	533,8379
19-12-2019 0:00	17:29:00	22,449009	22,070314	2,5065827	3,5220232	2,7005706	2,6434438	0,0451528	533,4852
19-12-2019 0:00	17:30:00	22,436335	22,070314	2,5065827	3,5129719	2,7005706	2,6409118	0,0454542	533,4852
19-12-2019 0:00	17:31:00	22,422802	22,070314	2,5065827	3,5129719	2,695775	2,6409118	0,0454542	533,4852
19-12-2019 0:00	17:32:00	22,422802	22,037762	2,5018806	3,5010242	2,6940777	2,638742	0,0454542	533,4852
19-12-2019 0:00	17:33:00	22,414335	22,037762	2,5018806	3,5010242	2,6979578	2,635969	0,0455868	533,2736
19-12-2019 0:00	17:34:00	22,40511	22,037762	2,4979022	3,4948692	2,697178	2,635969	0,0455868	533,2736
19-12-2019 0:00	17:35:00	22,390846	22,037762	2,4979022	3,4876285	2,697178	2,6337988	0,0455868	533,2736
19-12-2019 0:00	17:36:00	22,390846	22,00955	2,4979022	3,5115237	2,701057	2,632111	0,0455868	533,2736
19-12-2019 0:00	17:37:00	22,390846	22,00955	2,4946468	3,5115237	2,7044506	2,632111	0,0455024	533,2736
19-12-2019 0:00	17:38:00	22,383867	22,00955	2,4946468	3,5115237	2,7001717	2,632111	0,0455024	533,2736
19-12-2019 0:00	17:39:00	22,380505	22,00955	2,4946468	3,5115237	2,7001717	2,632111	0,0455024	533,2736
19-12-2019 0:00	17:40:00	22,380505	22,00955	2,4946468	3,5010242	2,6979203	2,6306643	0,0453336	533,2736
19-12-2019 0:00	17:41:00	22,371626	22,00955	2,4946468	3,5010242	2,6979203	2,6306643	0,0453336	533,2736
19-12-2019 0:00	17:42:00	22,371626	21,990019	2,4906683	3,5010242	2,6968498	2,6289763	0,0451407	533,2736
19-12-2019 0:00	17:43:00	22,371626	21,990019	2,4906683	3,5010242	2,6998236	2,6289763	0,0451407	533,6028
19-12-2019 0:00	17:44:00	22,371626	21,990019	2,4906683	3,5010242	2,7003868	2,6289763	0,0451407	533,6028
19-12-2019 0:00	17:45:00	22,371626	21,990019	2,4906683	3,4966798	2,7003868	2,6289763	0,0451407	533,6028



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	348,51	539,19	253,30	227,86	257,40	21,38	21,26	31,44
DESV EST	0,27	0,41	0,35	0,04	0,36	0,11	0,10	0,10
DESV EST %	0,0008	0,0008	0,0014	0,0002	0,0014	0,0050	0,0046	0,0031
MAX	349,00	539,67	253,70	227,92	257,80	21,57	21,45	31,64
MIN	348,00	537,86	252,50	227,81	256,50	21,18	21,11	31,31

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	16:45:00	348,2	537,8581	252,5	227,91882	256,5	21,522352	21,404802	31,584562
19-12-2019 0:00	16:46:00	348,2	538,4223	252,5	227,91882	256,5	21,522352	21,404802	31,611689
19-12-2019 0:00	16:47:00	348,2	538,4223	252,5	227,91882	256,5	21,553095	21,404802	31,611689
19-12-2019 0:00	16:48:00	348,2	538,4223	252,5	227,91882	256,8	21,553095	21,404802	31,629774
19-12-2019 0:00	16:49:00	348	538,4223	252,5	227,91882	256,8	21,553095	21,451822	31,589989
19-12-2019 0:00	16:50:00	348	538,4223	252,79999	227,91882	256,8	21,553095	21,451822	31,642433
19-12-2019 0:00	16:51:00	348,2	538,4223	252,79999	227,91882	256,8	21,567564	21,451822	31,589989
19-12-2019 0:00	16:52:00	348,2	538,4223	252,79999	227,91882	256,8	21,567564	21,40842	31,570095
19-12-2019 0:00	16:53:00	348,2	538,4223	252,79999	227,81032	256,8	21,520544	21,40842	31,526691
19-12-2019 0:00	16:54:00	348,2	539,03357	252,79999	227,81032	257,10004	21,520544	21,40842	31,559244
19-12-2019 0:00	16:55:00	348,40002	539,03357	252,79999	227,81032	257,10004	21,520544	21,370441	31,584562
19-12-2019 0:00	16:56:00	348,40002	539,03357	253,10004	227,81032	257,10004	21,47714	21,343315	31,579138
19-12-2019 0:00	16:57:00	348,40002	539,03357	253,10004	227,81032	257,10004	21,504267	21,343315	31,548393
19-12-2019 0:00	16:58:00	348,40002	539,03357	253,10004	227,81032	257,10004	21,504267	21,343315	31,548393
19-12-2019 0:00	16:59:00	348,40002	539,03357	253,10004	227,81032	257,2	21,504267	21,312572	31,548393
19-12-2019 0:00	17:00:00	348,40002	539,03357	253,10004	227,81032	257,2	21,504267	21,312572	31,499565
19-12-2019 0:00	17:01:00	348,40002	539,03357	253,10004	227,81032	257,2	21,426504	21,312572	31,485098
19-12-2019 0:00	17:02:00	348,5	539,4802	253,29999	227,81032	257,40002	21,426504	21,234808	31,481482
19-12-2019 0:00	17:03:00	348,5	539,4802	253,29999	227,81032	257,40002	21,363209	21,234808	31,43627
19-12-2019 0:00	17:04:00	348,5	539,4802	253,29999	227,81032	257,40002	21,363209	21,234808	31,416376
19-12-2019 0:00	17:05:00	348,7	539,4802	253,29999	227,81032	257,40002	21,336082	21,195023	31,369358
19-12-2019 0:00	17:06:00	348,7	539,4802	253,29999	227,81032	257,40002	21,336082	21,195023	31,369358
19-12-2019 0:00	17:07:00	348,5	539,4802	253,29999	227,81032	257,40002	21,336082	21,195023	31,396484
19-12-2019 0:00	17:08:00	348,5	539,4802	253,29999	227,81032	257,40002	21,336082	21,205873	31,398293
19-12-2019 0:00	17:09:00	348,5	539,4802	253,40002	227,81032	257,40002	21,336082	21,205873	31,387442
19-12-2019 0:00	17:10:00	348,5	539,4802	253,40002	227,81032	257,40002	21,336082	21,205873	31,41276
19-12-2019 0:00	17:11:00	348,5	539,4802	253,40002	227,81032	257,40002	21,317997	21,205873	31,43627
19-12-2019 0:00	17:12:00	348,5	539,4802	253,40002	227,81032	257,40002	21,317997	21,205873	31,421803
19-12-2019 0:00	17:13:00	348,60004	539,4802	253,40002	227,81032	257,40002	21,317997	21,205873	31,391058
19-12-2019 0:00	17:14:00	348,60004	539,4802	253,40002	227,81032	257,5	21,317997	21,205873	31,391058
19-12-2019 0:00	17:15:00	348,60004	539,4802	253,40002	227,81032	257,5	21,289062	21,205873	31,391058
19-12-2019 0:00	17:16:00	348,90002	539,4802	253,40002	227,81032	257,5	21,289062	21,158854	31,391058
19-12-2019 0:00	17:17:00	348,90002	539,4802	253,70001	227,87543	257,7	21,323423	21,158854	31,35308
19-12-2019 0:00	17:18:00	348,90002	539,4802	253,70001	227,87543	257,7	21,323423	21,158854	31,35308
19-12-2019 0:00	17:19:00	348,90002	539,4802	253,70001	227,87543	257,7	21,323423	21,158854	31,336805
19-12-2019 0:00	17:20:00	348,90002	539,4802	253,70001	227,87543	257,7	21,323423	21,158854	31,37659



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	348,51	539,19	253,30	227,86	257,40	21,38	21,26	31,44
DESV EST	0,27	0,41	0,35	0,04	0,36	0,11	0,10	0,10
DESV EST %	0,0008	0,0008	0,0014	0,0002	0,0014	0,0050	0,0046	0,0031
MAX	349,00	539,67	253,70	227,92	257,80	21,57	21,45	31,64
MIN	348,00	537,86	252,50	227,81	256,50	21,18	21,11	31,31

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	17:21:00	348,90002	539,4802	253,70001	227,87543	257,7	21,29087	21,158854	31,313295
19-12-2019 0:00	17:22:00	349	539,4802	253,70001	227,87543	257,7	21,29087	21,158854	31,324146
19-12-2019 0:00	17:23:00	349	539,4802	253,70001	227,87543	257,7	21,249277	21,158854	31,324146
19-12-2019 0:00	17:24:00	349	539,4802	253,70001	227,87543	257,8	21,249277	21,108217	31,325954
19-12-2019 0:00	17:25:00	349	539,4802	253,70001	227,87543	257,8	21,182364	21,108217	31,327763
19-12-2019 0:00	17:26:00	349	539,4802	253,70001	227,87543	257,8	21,182364	21,108217	31,327763
19-12-2019 0:00	17:27:00	349	539,4802	253,70001	227,87543	257,8	21,182364	21,108217	31,313295
19-12-2019 0:00	17:28:00	348,8	539,4802	253,70001	227,87543	257,8	21,182364	21,108217	31,313295
19-12-2019 0:00	17:29:00	348,8	539,4802	253,70001	227,87543	257,8	21,236618	21,189598	31,325954
19-12-2019 0:00	17:30:00	348,60004	539,4802	253,70001	227,87543	257,8	21,32704	21,189598	31,371166
19-12-2019 0:00	17:31:00	348,60004	539,4802	253,70001	227,87543	257,7	21,32704	21,28002	31,421803
19-12-2019 0:00	17:32:00	348,40002	539,4802	253,40002	227,87543	257,7	21,40661	21,28002	31,445312
19-12-2019 0:00	17:33:00	348,40002	539,08057	253,40002	227,87543	257,7	21,40661	21,325232	31,467014
19-12-2019 0:00	17:34:00	348,40002	539,08057	253,40002	227,87543	257,5	21,40661	21,325232	31,467014
19-12-2019 0:00	17:35:00	348,40002	539,08057	253,40002	227,87543	257,5	21,40661	21,325232	31,486906
19-12-2019 0:00	17:36:00	348,2	539,08057	253,40002	227,87543	257,5	21,39757	21,325232	31,468822
19-12-2019 0:00	17:37:00	348,2	539,08057	253,40002	227,87543	257,5	21,39757	21,270977	31,467014
19-12-2019 0:00	17:38:00	348,2	539,08057	253,40002	227,87543	257,5	21,39757	21,308954	31,461588
19-12-2019 0:00	17:39:00	348,2	539,08057	253,40002	227,87543	257,5	21,39757	21,308954	31,43627
19-12-2019 0:00	17:40:00	348,40002	539,08057	253,40002	227,87543	257,7	21,336082	21,233	31,407335
19-12-2019 0:00	17:41:00	348,40002	539,08057	253,40002	227,87543	257,7	21,336082	21,233	31,372974
19-12-2019 0:00	17:42:00	348,40002	539,08057	253,40002	227,87543	257,7	21,289062	21,216724	31,34223
19-12-2019 0:00	17:43:00	348,40002	539,08057	253,40002	227,87543	257,7	21,289062	21,216724	31,325954
19-12-2019 0:00	17:44:00	348,40002	539,66833	253,40002	227,87543	257,7	21,289062	21,216724	31,325954
19-12-2019 0:00	17:45:00	348,40002	539,66833	253,40002	227,87543	257,7	21,289062	21,18779	31,325954



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	30,83	79,27	147,46	35,24	23,26	0,16	19,23	149,66
DESV EST	0,10	0,83	0,51	0,11	0,20	0,02	0,13	0,13
DESV EST %	0,0033	0,0104	0,0035	0,0032	0,0086	0,1089	0,0066	0,0009
MAX	31,05	81,25	148,33	35,50	23,69	0,17	19,53	149,90
MIN	30,68	77,54	146,10	35,12	22,93	0,14	19,06	149,44

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	16:45:00	30,966072	79,383675	148,329	35,50347	22,92824	0,1356337	19,525463	149,79384
19-12-2019 0:00	16:46:00	30,9932	79,383675	148,24219	35,50347	22,92824	0,1356337	19,525463	149,79384
19-12-2019 0:00	16:47:00	31,00586	79,99132	148,14453	35,427517	22,92824	0,1356337	19,444445	149,71788
19-12-2019 0:00	16:48:00	31,02937	78,86285	148,14453	35,427517	22,92824	0,1356337	19,444445	149,73958
19-12-2019 0:00	16:49:00	31,045645	78,86285	148,05772	35,427517	22,92824	0,1356337	19,444445	149,73958
19-12-2019 0:00	16:50:00	31,054688	79,43793	148,05772	35,427517	22,92824	0,1356337	19,444445	149,71788
19-12-2019 0:00	16:51:00	31,023943	79,43793	147,96007	35,427517	22,92824	0,1356337	19,409721	149,71788
19-12-2019 0:00	16:52:00	30,975115	79,43793	147,97092	35,351562	23,113424	0,1711953	19,409721	149,68532
19-12-2019 0:00	16:53:00	30,962456	79,43793	147,87326	35,351562	23,113424	0,1356374	19,409721	149,60938
19-12-2019 0:00	16:54:00	30,957031	79,43793	147,819	35,351562	23,113424	0,1356374	19,305555	149,60938
19-12-2019 0:00	16:55:00	30,957031	79,26432	147,7105	35,351562	23,113424	0,1356374	19,305555	149,60938
19-12-2019 0:00	16:56:00	30,944372	79,26432	147,7105	35,351562	23,113424	0,1356374	19,305555	149,53342
19-12-2019 0:00	16:57:00	30,937138	79,26432	147,7105	35,351562	23,113424	0,1356374	19,305555	149,53342
19-12-2019 0:00	16:58:00	30,951605	79,26432	147,7105	35,351562	23,113424	0,1356374	19,305555	149,53342
19-12-2019 0:00	16:59:00	30,951605	79,26432	147,63454	35,351562	23,113424	0,1356374	19,305555	149,53342
19-12-2019 0:00	17:00:00	30,902777	79,947914	147,63454	35,351562	23,113424	0,1718022	19,305555	149,50087
19-12-2019 0:00	17:01:00	30,873842	79,947914	147,59114	35,351562	23,113424	0,1566117	19,305555	149,43576
19-12-2019 0:00	17:02:00	30,839481	79,06901	147,53688	35,351562	23,113424	0,1566117	19,305555	149,43576
19-12-2019 0:00	17:03:00	30,837673	80,40364	147,53688	35,351562	23,113424	0,1356439	19,305555	149,47916
19-12-2019 0:00	17:04:00	30,776186	78,78689	147,53688	35,351562	23,113424	0,1717972	19,305555	149,47916
19-12-2019 0:00	17:05:00	30,774378	79,7092	147,53688	35,351562	23,113424	0,1717972	19,305555	149,47916
19-12-2019 0:00	17:06:00	30,78342	78,0816	147,38498	35,319008	23,113424	0,1717972	19,305555	149,47916
19-12-2019 0:00	17:07:00	30,797888	79,32942	147,38498	35,319008	23,113424	0,1717972	19,305555	149,57681
19-12-2019 0:00	17:08:00	30,79427	79,32942	147,27647	35,1888	23,113424	0,1356337	19,305555	149,55511
19-12-2019 0:00	17:09:00	30,797888	79,32942	147,27647	35,1888	23,113424	0,1356337	19,305555	149,63107
19-12-2019 0:00	17:10:00	30,78342	79,32942	147,27647	35,1888	23,113424	0,1718026	19,247684	149,54427
19-12-2019 0:00	17:11:00	30,788845	79,32942	147,33072	35,1888	23,321758	0,1356337	19,247684	149,54427
19-12-2019 0:00	17:12:00	30,792461	79,32942	147,33072	35,1888	23,321758	0,1718027	19,247684	149,53342
19-12-2019 0:00	17:13:00	30,765335	79,32942	147,26562	35,1888	23,321758	0,1718027	19,224537	149,50087
19-12-2019 0:00	17:14:00	30,765335	79,32942	147,26562	35,1888	23,321758	0,1718027	19,224537	149,53342
19-12-2019 0:00	17:15:00	30,767143	79,32942	147,26562	35,1888	23,321758	0,1718005	19,224537	149,53342
19-12-2019 0:00	17:16:00	30,77257	79,32942	147,26562	35,1888	23,321758	0,1718027	19,224537	149,53342
19-12-2019 0:00	17:17:00	30,765335	80,64236	147,36328	35,1888	23,321758	0,1718027	19,155092	149,65277
19-12-2019 0:00	17:18:00	30,788845	80,64236	147,58029	35,1888	23,321758	0,1718027	19,155092	149,53342
19-12-2019 0:00	17:19:00	30,767143	80,21918	147,58029	35,1888	23,321758	0,1718027	19,155092	149,55511
19-12-2019 0:00	17:20:00	30,74906	80,21918	147,58029	35,1888	23,321758	0,1718027	19,155092	149,55511



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	30,83	79,27	147,46	35,24	23,26	0,16	19,23	149,66
DESV EST	0,10	0,83	0,51	0,11	0,20	0,02	0,13	0,13
DESV EST %	0,0033	0,0104	0,0035	0,0032	0,0086	0,1089	0,0066	0,0009
MAX	31,05	81,25	148,33	35,50	23,69	0,17	19,53	149,90
MIN	30,68	77,54	146,10	35,12	22,93	0,14	19,06	149,44

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	17:21:00	30,721931	80,21918	147,58029	35,1888	23,321758	0,1718027	19,155092	149,55511
19-12-2019 0:00	17:22:00	30,72555	81,25	147,67795	35,1888	23,321758	0,1356337	19,155092	149,60938
19-12-2019 0:00	17:23:00	30,721931	80,46875	147,67795	35,1888	23,321758	0,1356337	19,155092	149,60938
19-12-2019 0:00	17:24:00	30,70204	80,46875	147,67795	35,1888	23,321758	0,1718027	19,097221	149,66362
19-12-2019 0:00	17:25:00	30,70204	80,46875	147,78645	35,1888	23,321758	0,1718027	19,097221	149,75043
19-12-2019 0:00	17:26:00	30,685764	80,46875	147,87326	35,1671	23,321758	0,1718027	19,097221	149,75043
19-12-2019 0:00	17:27:00	30,685764	79,26432	147,87326	35,1671	23,321758	0,1718027	19,155092	149,75043
19-12-2019 0:00	17:28:00	30,70204	79,26432	147,80815	35,1671	23,321758	0,1718027	19,155092	149,90234
19-12-2019 0:00	17:29:00	30,721931	79,26432	147,80815	35,1671	23,321758	0,1718027	19,155092	149,77213
19-12-2019 0:00	17:30:00	30,752676	79,26432	147,7105	35,1671	23,449074	0,1718027	19,155092	149,77213
19-12-2019 0:00	17:31:00	30,810547	79,26432	147,7105	35,123695	23,449074	0,1718027	19,155092	149,77213
19-12-2019 0:00	17:32:00	30,810547	79,26432	147,7105	35,123695	23,449074	0,1718027	19,155092	149,77213
19-12-2019 0:00	17:33:00	30,882885	78,591576	147,58029	35,123695	23,449074	0,1718027	19,155092	149,80469
19-12-2019 0:00	17:34:00	30,839481	78,591576	147,46094	35,123695	23,449074	0,1718027	19,155092	149,80469
19-12-2019 0:00	17:35:00	30,819588	78,591576	147,26562	35,123695	23,449074	0,1355507	19,155092	149,80469
19-12-2019 0:00	17:36:00	30,857567	78,591576	147,05946	35,123695	23,449074	0,1718026	19,0625	149,80469
19-12-2019 0:00	17:37:00	30,821398	78,591576	146,9401	35,123695	23,449074	0,1356337	19,0625	149,80469
19-12-2019 0:00	17:38:00	30,866608	77,61501	146,83159	35,123695	23,449074	0,1718027	19,0625	149,90234
19-12-2019 0:00	17:39:00	30,82863	77,61501	146,61458	35,123695	23,449074	0,1718027	19,0625	149,84808
19-12-2019 0:00	17:40:00	30,79427	78,461365	146,49522	35,123695	23,449074	0,1702285	19,0625	149,84808
19-12-2019 0:00	17:41:00	30,74906	77,53906	146,37587	35,123695	23,449074	0,1702285	19,0625	149,90234
19-12-2019 0:00	17:42:00	30,74906	77,53906	146,27821	35,123695	23,69213	0,1702285	19,0625	149,82639
19-12-2019 0:00	17:43:00	30,682146	77,99479	146,1697	35,123695	23,69213	0,1702285	19,0625	149,82639
19-12-2019 0:00	17:44:00	30,721931	77,94054	146,1697	35,123695	23,69213	0,1702285	19,0625	149,76128
19-12-2019 0:00	17:45:00	30,721931	77,94054	146,1046	35,123695	23,69213	0,1702285	19,0625	149,76128





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,74	138,93	5,20	25,88	-	99,51	10,43	5,60
DESV EST	0,17	0,31	0,00	0,24	0,00	0,38	0,01	0,03
DESV EST %	0,0011	0,0022	0,0003	0,0093	#iDIV/0!	0,0038	0,0008	0,0048
MAX	149,05	139,57	5,21	26,16	0,00	100,14	10,44	5,66
MIN	148,51	138,22	5,20	25,61	0,00	98,51	10,41	5,49

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	16:45:00	148,5677	138,89973	5,2018924	25,730953	0	99,31641	10,426614	5,641638
19-12-2019 0:00	16:46:00	148,67621	138,89973	5,2018924	25,730953	0	99,71354	10,426614	5,6165724
19-12-2019 0:00	16:47:00	148,67621	139,57248	5,2018924	25,609688	0	99,388016	10,426614	5,6137877
19-12-2019 0:00	16:48:00	148,67621	139,57248	5,2018924	25,609688	0	99,16016	10,414859	5,648799
19-12-2019 0:00	16:49:00	148,67621	138,96484	5,2018924	25,609688	0	99,41406	10,414859	5,618164
19-12-2019 0:00	16:50:00	148,67621	138,96484	5,2018924	25,609688	0	100,013016	10,435077	5,6110024
19-12-2019 0:00	16:51:00	148,67621	138,96484	5,2018924	25,609688	0	98,50911	10,435077	5,570819
19-12-2019 0:00	16:52:00	148,67621	138,96484	5,2018924	25,609688	0	99,67448	10,415799	5,5970774
19-12-2019 0:00	16:53:00	148,67621	138,96484	5,2018924	25,609688	0	99,46614	10,432256	5,651982
19-12-2019 0:00	16:54:00	148,67621	138,96484	5,2018924	25,609688	0	99,03645	10,432256	5,6117983
19-12-2019 0:00	16:55:00	148,67621	138,96484	5,2018924	25,609688	0	99,00391	10,432256	5,6165724
19-12-2019 0:00	16:56:00	148,67621	138,96484	5,2018924	25,609688	0	99,62239	10,410156	5,6185617
19-12-2019 0:00	16:57:00	148,67621	138,96484	5,2018924	25,609688	0	98,873695	10,433666	5,595884
19-12-2019 0:00	16:58:00	148,51344	138,96484	5,2018924	25,609688	0	99,140625	10,433666	5,615777
19-12-2019 0:00	16:59:00	148,51344	138,96484	5,2018924	25,609688	0	99,13411	10,433666	5,595884
19-12-2019 0:00	17:00:00	148,51344	138,96484	5,2018924	25,609688	0	99,680984	10,410156	5,634874
19-12-2019 0:00	17:01:00	148,51344	138,83463	5,2018924	25,609688	0	99,44661	10,429435	5,590314
19-12-2019 0:00	17:02:00	148,51344	138,83463	5,2018924	25,609688	0	99,7526	10,429435	5,6301
19-12-2019 0:00	17:03:00	148,51344	138,83463	5,2018924	25,609688	0	99,72656	10,429435	5,595884
19-12-2019 0:00	17:04:00	148,51344	138,83463	5,2018924	25,609688	0	100,14323	10,429435	5,595088
19-12-2019 0:00	17:05:00	148,51344	138,83463	5,2018924	25,609688	0	99,48567	10,429435	5,595884
19-12-2019 0:00	17:06:00	148,51344	139,46397	5,2018924	25,609688	0	99,77213	10,409216	5,595884
19-12-2019 0:00	17:07:00	148,51344	139,46397	5,2018924	25,609688	0	100,078125	10,427084	5,595884
19-12-2019 0:00	17:08:00	148,51344	138,83463	5,2018924	25,609688	0	98,91276	10,427084	5,595884
19-12-2019 0:00	17:09:00	148,51344	138,3789	5,2018924	25,609688	0	99,453125	10,427084	5,596282
19-12-2019 0:00	17:10:00	148,73047	138,3789	5,2018924	25,844807	0	99,453125	10,427084	5,595884
19-12-2019 0:00	17:11:00	148,73047	138,3789	5,2018924	25,844807	0	99,680984	10,427084	5,595884
19-12-2019 0:00	17:12:00	148,73047	138,70442	5,2018924	25,844807	0	99,55078	10,427084	5,595884
19-12-2019 0:00	17:13:00	148,73047	138,70442	5,2018924	25,844807	0	99,44661	10,427084	5,612196
19-12-2019 0:00	17:14:00	148,73047	138,21614	5,2018924	25,844807	0	99,98698	10,427084	5,6030455
19-12-2019 0:00	17:15:00	148,73047	138,5308	5,2018924	25,844807	0	99,42057	10,427084	5,597873
19-12-2019 0:00	17:16:00	148,73047	138,5308	5,2018924	25,844807	0	99,61588	10,427084	5,595088
19-12-2019 0:00	17:17:00	148,73047	138,25954	5,2018924	25,991434	0	99,39453	10,427084	5,6145835
19-12-2019 0:00	17:18:00	148,73047	138,68272	5,2018924	25,991434	0	99,51823	10,427084	5,615777
19-12-2019 0:00	17:19:00	148,73047	138,68272	5,2018924	25,991434	0	99,74609	10,427084	5,6145835
19-12-2019 0:00	17:20:00	148,73047	138,68272	5,2018924	25,991434	0	100,03906	10,427084	5,6623263



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,74	138,93	5,20	25,88	-	99,51	10,43	5,60
DESV EST	0,17	0,31	0,00	0,24	0,00	0,38	0,01	0,03
DESV EST %	0,0011	0,0022	0,0003	0,0093	#iDIV/0!	0,0038	0,0008	0,0048
MAX	149,05	139,57	5,21	26,16	0,00	100,14	10,44	5,66
MIN	148,51	138,22	5,20	25,61	0,00	98,51	10,41	5,49

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	17:21:00	148,73047	138,79123	5,2018924	25,991434	0	99,77213	10,412977	5,6102066
19-12-2019 0:00	17:22:00	148,73047	139,1059	5,2018924	25,991434	0	99,388016	10,436487	5,6102066
19-12-2019 0:00	17:23:00	148,73047	139,1059	5,2018924	25,991434	0	99,77213	10,436487	5,612992
19-12-2019 0:00	17:24:00	148,73047	138,954	5,2018924	26,156239	0	98,86067	10,405455	5,542571
19-12-2019 0:00	17:25:00	148,73047	138,954	5,2018924	26,156239	0	100,00651	10,433666	5,6396484
19-12-2019 0:00	17:26:00	148,73047	138,954	5,2018924	26,156239	0	99,42057	10,433666	5,6145835
19-12-2019 0:00	17:27:00	148,73047	139,30121	5,2018924	26,156239	0	100,03906	10,433666	5,6484013
19-12-2019 0:00	17:28:00	148,73047	139,05165	5,2018924	26,156239	0	99,98698	10,427554	5,614981
19-12-2019 0:00	17:29:00	148,73047	139,05165	5,2018924	26,156239	0	99,62239	10,427554	5,612594
19-12-2019 0:00	17:30:00	148,92578	139,05165	5,2018924	26,156239	0	99,72005	10,427554	5,598669
19-12-2019 0:00	17:31:00	148,92578	139,05165	5,205408	26,156239	0	99,69401	10,427554	5,598669
19-12-2019 0:00	17:32:00	148,92578	139,05165	5,205408	26,156239	0	98,91276	10,427554	5,598669
19-12-2019 0:00	17:33:00	148,92578	139,05165	5,205408	26,156239	0	98,828125	10,427554	5,5720124
19-12-2019 0:00	17:34:00	148,92578	139,37717	5,205408	26,156239	0	98,86067	10,427554	5,5405817
19-12-2019 0:00	17:35:00	148,92578	138,96484	5,205408	26,156239	0	99,38151	10,427554	5,6145835
19-12-2019 0:00	17:36:00	148,92578	138,96484	5,205408	26,156239	0	99,73958	10,427554	5,579174
19-12-2019 0:00	17:37:00	148,92578	139,37717	5,205408	26,156239	0	99,1276	10,427554	5,4924407
19-12-2019 0:00	17:38:00	148,92578	139,37717	5,205408	26,156239	0	99,66145	10,427554	5,5807652
19-12-2019 0:00	17:39:00	149,04514	139,37717	5,205408	26,156239	0	99,97395	10,411097	5,5807652
19-12-2019 0:00	17:40:00	149,04514	139,37717	5,205408	26,156239	0	99,90234	10,411097	5,6110024
19-12-2019 0:00	17:41:00	149,04514	139,05165	5,205408	26,156239	0	100,013016	10,433666	5,620949
19-12-2019 0:00	17:42:00	149,04514	139,05165	5,205408	26,156239	0	99,10807	10,412977	5,5923033
19-12-2019 0:00	17:43:00	149,04514	138,68272	5,205408	26,156239	0	99,32942	10,412977	5,596282
19-12-2019 0:00	17:44:00	149,04514	138,68272	5,205408	26,156239	0	99,45963	10,439779	5,583948
19-12-2019 0:00	17:45:00	149,04514	138,3572	5,205408	26,156239	0	99,97395	10,424732	5,583948



DATOS	61	61	61	61	61	61	61	
PROMEDIO	5,64	5,62	0,98	552,74	2,43	6,61	287,89	97,10
DESV EST	0,03	0,02	0,00	6,23	0,03	0,00	2,36	0,48
DESV EST %	0,0051	0,0042	0,0034	0,0113	0,0115	0,0003	0,0082	0,0049
MAX	5,70	5,70	0,98	569,34	2,49	6,62	292,21	99,32
MIN	5,57	5,58	0,97	541,21	2,38	6,60	279,73	96,26

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	16:45:00	5,6981335	5,637659	0,9758301	565,1367	2,445645	6,6067634	289,55078	97,24124
19-12-2019 0:00	16:46:00	5,702112	5,620551	0,9758301	564,2578	2,445645	6,6067634	288,954	97,301704
19-12-2019 0:00	16:47:00	5,64681	5,632885	0,9758301	561,6211	2,4260705	6,6033344	289,55078	97,254845
19-12-2019 0:00	16:48:00	5,6623263	5,6308956	0,9745483	561,1328	2,4260705	6,6099067	291,6667	96,745186
19-12-2019 0:00	16:49:00	5,6623263	5,6201534	0,9745483	561,52344	2,4325955	6,608478	290,09332	96,359344
19-12-2019 0:00	16:50:00	5,660735	5,7033057	0,9745483	569,33594	2,3922598	6,598477	290,7986	97,570335
19-12-2019 0:00	16:51:00	5,64681	5,6738644	0,9745483	553,90625	2,451577	6,606192	289,55078	96,3369
19-12-2019 0:00	16:52:00	5,678241	5,669488	0,9723511	560,15625	2,47649	6,606192	288,24872	96,6843
19-12-2019 0:00	16:53:00	5,6667027	5,6289062	0,9781494	564,0625	2,4035301	6,607049	288,52	97,33415
19-12-2019 0:00	16:54:00	5,665509	5,6197553	0,9748535	555,1758	2,4112413	6,607049	289,0625	96,62099
19-12-2019 0:00	16:55:00	5,665509	5,634874	0,9748535	561,03516	2,4741175	6,607049	290,3646	97,079124
19-12-2019 0:00	16:56:00	5,651982	5,636863	0,9748535	559,27734	2,3904803	6,607049	288,68274	96,6004
19-12-2019 0:00	16:57:00	5,6404443	5,632089	0,9748535	561,1328	2,4391203	6,607049	288,954	96,512764
19-12-2019 0:00	16:58:00	5,6599393	5,632089	0,9748535	560,15625	2,424884	6,607049	289,33377	96,7839
19-12-2019 0:00	16:59:00	5,6599393	5,6201534	0,9748535	560,15625	2,4539497	6,607049	288,19446	96,2606
19-12-2019 0:00	17:00:00	5,6420355	5,672671	0,9790039	553,90625	2,4272568	6,608478	292,2092	96,942314
19-12-2019 0:00	17:01:00	5,6444225	5,6002603	0,9790039	552,4414	2,4148002	6,606192	287,9232	96,74532
19-12-2019 0:00	17:02:00	5,6599393	5,6177664	0,9790039	553,02734	2,4474247	6,606192	287,05515	97,4443
19-12-2019 0:00	17:03:00	5,636068	5,609809	0,9805908	551,85547	2,4598813	6,6079063	289,2795	97,282104
19-12-2019 0:00	17:04:00	5,6925635	5,6476054	0,9805908	555,95703	2,4142072	6,6079063	288,79123	97,53009
19-12-2019 0:00	17:05:00	5,6396484	5,6141853	0,9805908	548,8281	2,4142072	6,6079063	288,41147	96,724594
19-12-2019 0:00	17:06:00	5,643627	5,632885	0,9805908	549,3164	2,4367476	6,6079063	289,98483	97,228195
19-12-2019 0:00	17:07:00	5,626519	5,6002603	0,9829102	544,04297	2,4616609	6,608478	287,86893	96,722275
19-12-2019 0:00	17:08:00	5,604239	5,6006584	0,9829102	548,14453	2,4408998	6,608478	288,41147	96,99277
19-12-2019 0:00	17:09:00	5,659541	5,6110024	0,9829102	548,33984	2,4705584	6,6064777	288,89975	97,436005
19-12-2019 0:00	17:10:00	5,644025	5,638455	0,9829102	553,02734	2,4231048	6,608478	288,79123	96,9974
19-12-2019 0:00	17:11:00	5,6476054	5,593099	0,9815674	546,4844	2,4367476	6,608478	287,38065	97,649734
19-12-2019 0:00	17:12:00	5,6102066	5,609809	0,9815674	548,53516	2,4859807	6,6099067	290,90714	96,983795
19-12-2019 0:00	17:13:00	5,6503906	5,6038413	0,9848022	548,0469	2,4569154	6,6090493	287,86893	96,713326
19-12-2019 0:00	17:14:00	5,6599393	5,6336803	0,9825439	554,8828	2,417766	6,6090493	285,53604	97,616
19-12-2019 0:00	17:15:00	5,648799	5,622938	0,9825439	549,02344	2,4159865	6,6090493	288,08594	97,66399
19-12-2019 0:00	17:16:00	5,648799	5,601056	0,9825439	550,4883	2,4059026	6,608478	288,737	97,25728
19-12-2019 0:00	17:17:00	5,665907	5,620551	0,9825439	556,6406	2,4059026	6,6064777	285,8073	96,977356
19-12-2019 0:00	17:18:00	5,6965423	5,620551	0,9813232	553,90625	2,4753036	6,607049	288,79123	97,58097
19-12-2019 0:00	17:19:00	5,6567564	5,620551	0,9813232	549,6094	2,4148002	6,607049	288,24872	97,04596
19-12-2019 0:00	17:20:00	5,659541	5,620551	0,9813232	557,4219	2,4148002	6,6056204	287,16364	97,64912



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,64	5,62	0,98	552,74	2,43	6,61	287,89	97,10
DESV EST	0,03	0,02	0,00	6,23	0,03	0,00	2,36	0,48
DESV EST %	0,0051	0,0042	0,0034	0,0113	0,0115	0,0003	0,0082	0,0049
MAX	5,70	5,70	0,98	569,34	2,49	6,62	292,21	99,32
MIN	5,57	5,58	0,97	541,21	2,38	6,60	279,73	96,26

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	17:21:00	5,649595	5,620551	0,9813232	552,0508	2,420732	6,608478	290,90714	97,26387
19-12-2019 0:00	17:22:00	5,649595	5,620551	0,9813232	546,09375	2,4741175	6,608478	290,69012	97,59816
19-12-2019 0:00	17:23:00	5,6141853	5,601056	0,9820557	547,0703	2,4426794	6,607049	291,77518	97,186745
19-12-2019 0:00	17:24:00	5,583948	5,638455	0,9820557	553,22266	2,4753036	6,6121926	290,41885	96,68842
19-12-2019 0:00	17:25:00	5,673466	5,6396484	0,9777222	555,8594	2,4201388	6,6067634	286,56686	97,26083
19-12-2019 0:00	17:26:00	5,610605	5,6396484	0,9816895	547,3633	2,4148002	6,607049	286,07858	97,15545
19-12-2019 0:00	17:27:00	5,6639175	5,646412	0,9816895	554,39453	2,4575086	6,607049	289,2795	97,00393
19-12-2019 0:00	17:28:00	5,6639175	5,6169705	0,9816895	551,46484	2,4023438	6,608192	286,45834	97,049
19-12-2019 0:00	17:29:00	5,646014	5,6380568	0,9811401	551,0742	2,4634404	6,608192	286,6211	96,99384
19-12-2019 0:00	17:30:00	5,640842	5,622143	0,9811401	555,3711	2,4634404	6,608192	286,56686	97,15906
19-12-2019 0:00	17:31:00	5,6356697	5,6169705	0,9811401	548,9258	2,420732	6,608192	288,52	97,04358
19-12-2019 0:00	17:32:00	5,5942926	5,5867333	0,9811401	549,3164	2,444459	6,608192	289,49655	97,00634
19-12-2019 0:00	17:33:00	5,6420355	5,6102066	0,9811401	541,21094	2,3786168	6,608192	283,04037	99,31611
19-12-2019 0:00	17:34:00	5,640842	5,6022496	0,9835815	549,41406	2,382176	6,608192	279,73093	97,32545
19-12-2019 0:00	17:35:00	5,604239	5,6022496	0,9835815	545,41016	2,389294	6,609335	283,31165	96,81171
19-12-2019 0:00	17:36:00	5,609809	5,6022496	0,9835815	546,09375	2,389294	6,609335	284,72223	96,44057
19-12-2019 0:00	17:37:00	5,6086154	5,5907116	0,9835815	543,16406	2,4124277	6,609335	286,2956	96,48145
19-12-2019 0:00	17:38:00	5,570023	5,587131	0,9835815	543,16406	2,3833623	6,609335	285,42752	97,21589
19-12-2019 0:00	17:39:00	5,6022496	5,6022496	0,9835815	547,3633	2,397005	6,6079063	286,5126	97,03715
19-12-2019 0:00	17:40:00	5,6503906	5,588722	0,9835815	547,9492	2,4391203	6,6079063	284,34247	97,5805
19-12-2019 0:00	17:41:00	5,70251	5,6647134	0,9835815	556,9336	2,4189525	6,6064777	285,6988	97,86104
19-12-2019 0:00	17:42:00	5,614981	5,57798	0,9835815	545,89844	2,3904803	6,61505	284,45096	96,66664
19-12-2019 0:00	17:43:00	5,5891204	5,612992	0,9835815	550,29297	2,3904803	6,609335	286,89236	97,286896
19-12-2019 0:00	17:44:00	5,6145835	5,5966797	0,9819336	548,0469	2,4426794	6,608192	285,2105	96,67848
19-12-2019 0:00	17:45:00	5,6165724	5,6086154	0,9819336	547,85156	2,4231048	6,6110497	284,45096	97,049576



DATOS	61	61	61	61	61	61	61
PROMEDIO	30,03	59,4	21,6	1.006	951,4	13,0	404,9
DESV EST	0,0259	4	0,97	0,0389	0,185	0,06	3,0
DESV EST %		0,0668	0,0447	0,0000	0,0002	0,0046	0,0073
MAX	30,13	65,0	23,4	1.006	951,9	13,1	414,8
MIN	29,95	51,31	20,30	1006,10	951,16	12,64	398,00

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	18:15:00	29,999998	51,312935	23,431713	1006,1415	951,22974	13,029876	405,29514
19-12-2019 0:00	18:16:00	30,026041	52,600548	23,275463	1006,1415	951,22974	13,042535	405,29514
19-12-2019 0:00	18:17:00	30,005787	52,600548	23,087383	1006,1849	951,22974	13,141999	414,75693
19-12-2019 0:00	18:18:00	30,046295	53,428818	22,899303	1006,1415	951,22974	13,020833	405,81595
19-12-2019 0:00	18:19:00	30,023148	53,663918	22,79514	1006,1415	951,22974	13,049768	404,21005
19-12-2019 0:00	18:20:00	30,034721	54,976852	22,745949	1006,1849	951,22974	13,033492	401,12845
19-12-2019 0:00	18:21:00	30,002893	56,22468	22,708332	1006,1415	951,1574	13,026258	402,69095
19-12-2019 0:00	18:22:00	30,049189	55,76172	22,69965	1006,1849	951,1574	13,029876	406,5104
19-12-2019 0:00	18:23:00	30,028934	54,329426	22,844326	1006,1415	951,1574	13,038918	406,5104
19-12-2019 0:00	18:24:00	30,01736	54,061775	22,899303	1006,1849	951,1574	13,055194	406,5104
19-12-2019 0:00	18:25:00	30,00868	54,061775	22,945599	1006,2283	951,1574	13,040726	406,7708
19-12-2019 0:00	18:26:00	30,026041	53,667534	23,127892	1006,2283	951,1574	13,04796	406,7708
19-12-2019 0:00	18:27:00	30,031828	53,48307	23,174187	1006,2283	951,1574	13,015408	406,7708
19-12-2019 0:00	18:28:00	30,020254	53,913483	23,029514	1006,2283	951,27313	13,040726	406,7708
19-12-2019 0:00	18:29:00	29,997105	54,329426	22,910877	1006,2283	951,27313	13,100405	406,7708
19-12-2019 0:00	18:30:00	30,023148	54,716434	22,870369	1006,1849	951,27313	12,959346	401,73608
19-12-2019 0:00	18:31:00	30,020254	54,966	22,800926	1006,0981	951,27313	12,975622	400,5208
19-12-2019 0:00	18:32:00	30,031828	54,966	22,754627	1006,1415	951,27313	12,975622	401,17184
19-12-2019 0:00	18:33:00	29,999998	56,08724	22,514465	1006,11975	951,27313	12,970197	409,592
19-12-2019 0:00	18:34:00	30,011574	56,49595	22,355324	1006,11975	951,27313	13,015408	408,28992
19-12-2019 0:00	18:35:00	30,014467	57,581017	22,063076	1006,1415	951,27313	13,0027485	405,90277
19-12-2019 0:00	18:36:00	30,046295	58,51056	21,831596	1006,1415	951,27313	13,009982	404,9913
19-12-2019 0:00	18:37:00	30,00868	59,002457	21,608795	1006,1415	951,27313	13,015408	404,9913
19-12-2019 0:00	18:38:00	30,043402	59,92115	21,39178	1006,1849	951,27313	12,988281	403,03818
19-12-2019 0:00	18:39:00	29,997105	60,86516	21,264465	1006,1849	951,27313	12,970197	403,03818
19-12-2019 0:00	18:40:00	30,057869	61,082176	21,151619	1006,1849	951,27313	12,981048	402,03992
19-12-2019 0:00	18:41:00	29,991318	61,082176	21,247105	1006,1849	951,27313	12,991898	406,94443
19-12-2019 0:00	18:42:00	30,063656	60,76389	21,339699	1006,1415	951,27313	12,970197	405,0781
19-12-2019 0:00	18:43:00	30,00868	59,997105	21,44965	1006,1415	951,27313	13,011791	398,00345
19-12-2019 0:00	18:44:00	30,031828	59,997105	21,44965	1006,1849	951,27313	13,004557	407,16144
19-12-2019 0:00	18:45:00	30,01736	60,50347	21,35706	1006,1849	951,27313	13,004557	403,94965
19-12-2019 0:00	18:46:00	30,028934	60,771122	21,261574	1006,20654	951,4902	13,0027485	408,76733
19-12-2019 0:00	18:47:00	30,026041	61,288338	21,125576	1006,20654	951,4902	12,991898	404,07983
19-12-2019 0:00	18:48:00	30,054976	62,10214	20,917244	1006,2283	951,4902	12,897859	400,0434
19-12-2019 0:00	18:49:00	30,130207	62,362556	20,917244	1006,2283	951,4902	12,641059	408,46353
19-12-2019 0:00	18:50:00	29,95081	61,932144	21,090855	1006,2283	951,4902	12,984664	405,16492



DATOS	61	61	61	61	61	61	61
PROMEDIO	30,03	59,4	21,6	1.006	951,4	13,0	404,9
DESV EST	0,0259	4	0,97	0,0389	0,185	0,06	3,0
DESV EST %		0,0668	0,0447	0,0000	0,0002	0,0046	0,0073
MAX	30,13	65,0	23,4	1.006	951,9	13,1	414,8
MIN	29,95	51,31	20,30	1006,10	951,16	12,64	398,00

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	18:51:00	30,081018	61,107494	21,223957	1006,2283	951,4902	13,020833	404,64407
19-12-2019 0:00	18:52:00	29,97685	60,662613	21,420715	1006,20654	951,4902	13,044343	407,24826
19-12-2019 0:00	18:53:00	30,072336	60,366028	21,524883	1006,20654	951,4902	13,017217	407,24826
19-12-2019 0:00	18:54:00	29,997105	59,704136	21,585648	1006,1415	951,4902	13,033492	407,24826
19-12-2019 0:00	18:55:00	30,020254	60,112846	21,484375	1006,1415	951,4902	12,9792385	400,3906
19-12-2019 0:00	18:56:00	30,020254	61,255787	21,140045	1006,1415	951,4902	12,962963	398,00345
19-12-2019 0:00	18:57:00	30,023148	62,235966	20,876736	1006,1415	951,4902	13,033492	408,28992
19-12-2019 0:00	18:58:00	30,049189	63,368053	20,662613	1006,1415	951,4902	12,955729	399,8264
19-12-2019 0:00	18:59:00	30,01736	63,76953	20,474537	1006,1415	951,59143	12,9792385	405,0781
19-12-2019 0:00	19:00:00	30,026041	64,134834	20,428238	1006,11975	951,59143	12,966579	403,55902
19-12-2019 0:00	19:01:00	30,005787	65,04991	20,344326	1006,1415	951,59143	12,981048	402,38715
19-12-2019 0:00	19:02:00	30,028934	65,04991	20,29514	1006,1849	951,59143	12,966579	404,9913
19-12-2019 0:00	19:03:00	30,043402	64,80758	20,33854	1006,11975	951,59143	12,973813	404,9913
19-12-2019 0:00	19:04:00	30,005787	63,950375	20,541088	1006,1415	951,59143	13,0027485	400,60764
19-12-2019 0:00	19:05:00	30,031828	63,67549	20,57581	1006,1415	951,59143	12,991898	404,16666
19-12-2019 0:00	19:06:00	30,023148	63,25955	20,677082	1006,11975	951,59143	13,00094	407,03122
19-12-2019 0:00	19:07:00	30,046295	62,87254	20,772568	1006,11975	951,59143	12,984664	408,76733
19-12-2019 0:00	19:08:00	30,026041	63,10764	20,70023	1006,1415	951,59143	12,972005	404,55728
19-12-2019 0:00	19:09:00	30,040508	64,11675	20,483215	1006,20654	951,59143	13,006366	404,55728
19-12-2019 0:00	19:10:00	30,026041	64,65929	20,410877	1006,1849	951,70715	12,973813	404,86108
19-12-2019 0:00	19:11:00	30,031828	63,950375	20,604744	1006,1849	951,70715	12,97743	404,86108
19-12-2019 0:00	19:12:00	30,01736	62,355324	20,859375	1006,20654	951,70715	13,0027485	404,86108
19-12-2019 0:00	19:13:00	30,054976	61,957466	20,931713	1006,20654	951,70715	13,004557	406,5538
19-12-2019 0:00	19:14:00	30,037615	61,678963	20,957752	1006,2283	951,70715	12,986472	406,5538
19-12-2019 0:00	19:15:00	30,034721	61,281105	21,073494	1006,25	951,85187	12,982856	401,73608



DATOS	61	61	61	61	61	61	61
PROMEDIO	16,7	9,8	49.975	14,6	592	583	578
DESV EST	0,27	0,0667	340	0,11	0,95	0,84	0,94
DESV EST %	0,0159	0,0068	0,0068	0,0074	0,0016	0,0014	0,0016
MAX	17,3	9,97	50.696	14,8	594	585	580
MIN	16,01	9,46	48136,94	14,40	589,50	581,50	576,30

Date	Time	PRES EXH GAS HRSG INL 11HNA10CP001  XQ01 mBAR	FG FLOW CALC 11EKD02FF901  XQ01 kg/s	F FUEL GAS LINE 2 11EKD02CF001B  XQ01 M3N/H	TEMP U/STR NG ESV 11MBP13FT901  ZQ01 °C	T HRSG INL DUCT 11MBR10CT001A  XQ01 °C	T HRSG INL DUCT 11MBR10CT002A  XQ01 °C	T HRSG INL DUCT 11MBR10CT003A  XQ01 °C
19-12-2019 0:00	18:15:00	16,876446	9,871497	50159,996	14,800003	593,3	584,2	579,3
19-12-2019 0:00	18:16:00	16,57986	9,855856	50211,664	14,800003	593,7	584,4	579,5
19-12-2019 0:00	18:17:00	17,075377	9,801702	49874,383	14,699997	593,7	584,4	579,7
19-12-2019 0:00	18:18:00	16,894531	9,861744	50065,902	14,699997	592,5	583,4	578,5
19-12-2019 0:00	18:19:00	16,389975	9,853552	49974,17	14,699997	592,9	583,8	578,9
19-12-2019 0:00	18:20:00	16,701027	9,781127	49769,695	14,699997	592,9	583,8	579,10004
19-12-2019 0:00	18:21:00	16,9307	9,862392	50215,53	14,699997	592,9	584	578,9
19-12-2019 0:00	18:22:00	16,887297	9,878559	50042,508	14,699997	593,3	584,2	579,3
19-12-2019 0:00	18:23:00	16,59252	9,876061	50181,273	14,699997	592,9	584	579,10004
19-12-2019 0:00	18:24:00	16,749855	9,862611	50033,086	14,699997	592,3	583,60004	578,7
19-12-2019 0:00	18:25:00	16,867405	9,846278	50204,688	14,699997	592,3	583,4	578,5
19-12-2019 0:00	18:26:00	16,565393	9,719784	49457,56	14,699997	591,5	582,60004	577,9
19-12-2019 0:00	18:27:00	16,963251	9,797655	49840,73	14,699997	591,5	582,8	578,10004
19-12-2019 0:00	18:28:00	16,89634	9,764162	49511,977	14,699997	591,3	582,4	577,7
19-12-2019 0:00	18:29:00	16,748047	9,870693	50389,617	14,699997	594,10004	584,60004	579,5
19-12-2019 0:00	18:30:00	17,004847	9,718594	49626,504	14,699997	594,3	585	579,9
19-12-2019 0:00	18:31:00	16,59252	9,814778	49835,906	14,699997	592,4	583,8	578,9
19-12-2019 0:00	18:32:00	16,297743	9,87101	50116,766	14,699997	594,4	585,2	580,10004
19-12-2019 0:00	18:33:00	16,814959	9,832999	50164,98	14,699997	592,5	583,8	579,3
19-12-2019 0:00	18:34:00	17,028357	9,815848	49946,367	14,699997	592,7	583,8	578,9
19-12-2019 0:00	18:35:00	16,308594	9,811491	49993,816	14,699997	593,10004	584	579
19-12-2019 0:00	18:36:00	17,102503	9,737099	49544,57	14,699997	592,7	584	579,4
19-12-2019 0:00	18:37:00	16,851128	9,786409	49796,574	14,699997	592,9	584	579,2
19-12-2019 0:00	18:38:00	16,637732	9,866295	50313,203	14,699997	592,3	583,60004	578,8
19-12-2019 0:00	18:39:00	16,182001	9,806412	49934,598	14,699997	592,9	583,8	579
19-12-2019 0:00	18:40:00	16,972294	9,823208	50144,41	14,699997	592,5	583,60004	578,8
19-12-2019 0:00	18:41:00	16,380932	9,85236	50268,99	14,699997	592,10004	583,2	578,4
19-12-2019 0:00	18:42:00	16,791449	9,829223	50109,56	14,699997	591,9	583,2	578,60004
19-12-2019 0:00	18:43:00	16,574436	9,839907	50148,06	14,699997	592,5	583,4	578,60004
19-12-2019 0:00	18:44:00	16,366465	9,720618	49461,805	14,699997	592,10004	583,2	578,4
19-12-2019 0:00	18:45:00	16,643156	9,822403	49919,68	14,600006	591,7	582,8	578
19-12-2019 0:00	18:46:00	16,876446	9,888341	50298,504	14,600006	591,7	583	578,10004
19-12-2019 0:00	18:47:00	16,677517	9,802846	49957,2	14,600006	591,7	582,8	577,9
19-12-2019 0:00	18:48:00	16,344763	9,79288	49621,777	14,600006	591,9	582,8	578,10004
19-12-2019 0:00	18:49:00	16,013817	9,45998	48136,938	14,600006	589,5	581,8	577,9
19-12-2019 0:00	18:50:00	16,543692	9,973893	50695,6	14,600006	592,5	583,2	578,9



DATOS	61	61	61	61	61	61	61
PROMEDIO	16,7	9,8	49.975	14,6	592	583	578
DESV EST	0,27	0,0667	340	0,11	0,95	0,84	0,94
DESV EST %	0,0159	0,0068	0,0068	0,0074	0,0016	0,0014	0,0016
MAX	17,3	9,97	50.696	14,8	594	585	580
MIN	16,01	9,46	48136,94	14,40	589,50	581,50	576,30

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	18:51:00	16,775173	9,794756	49996,207	14,600006	592,8	583,8	578,9
19-12-2019 0:00	18:52:00	16,431568	9,89642	50402,39	14,600006	591	581,9	576,9
19-12-2019 0:00	18:53:00	16,787832	9,826246	49999,277	14,600006	590,8	581,7	576,7
19-12-2019 0:00	18:54:00	16,867405	9,840034	49829,42	14,600006	590,60004	581,5	576,3
19-12-2019 0:00	18:55:00	16,035517	9,836057	50049,195	14,600006	592,7	582,9	577,3
19-12-2019 0:00	18:56:00	16,81315	9,789742	49874,473	14,600006	594,2	584,3	578,7
19-12-2019 0:00	18:57:00	16,84932	9,846648	50263,31	14,600006	591,3	582,2	577,10004
19-12-2019 0:00	18:58:00	16,693792	9,845452	50097,004	14,5	591,8	582,3	576,9
19-12-2019 0:00	18:59:00	16,471354	9,829094	50078,95	14,5	593,2	583,5	577,9
19-12-2019 0:00	19:00:00	17,089844	9,858585	50135,93	14,5	593,8	584,10004	578,5
19-12-2019 0:00	19:01:00	16,795067	9,888268	50176,85	14,5	592,2	583,10004	577,9
19-12-2019 0:00	19:02:00	16,847511	9,804913	49960,15	14,5	593	583,3	577,9
19-12-2019 0:00	19:03:00	16,493055	9,872648	50119,105	14,5	592,8	583,3	577,9
19-12-2019 0:00	19:04:00	16,511139	9,826049	50109,855	14,5	593	583,3	578,10004
19-12-2019 0:00	19:05:00	16,899956	9,750945	49616,117	14,5	592,8	583,4	578,10004
19-12-2019 0:00	19:06:00	16,574436	9,819415	49871,14	14,5	592,4	583	577,7
19-12-2019 0:00	19:07:00	17,25803	9,785209	49849,277	14,5	592,4	583	577,7
19-12-2019 0:00	19:08:00	16,892723	9,808043	49846,285	14,5	591,4	582,4	577,10004
19-12-2019 0:00	19:09:00	16,748047	9,901311	50381,23	14,5	591,60004	582,2	576,9
19-12-2019 0:00	19:10:00	16,456886	9,7973385	49915,87	14,400009	591,60004	582,4	577,10004
19-12-2019 0:00	19:11:00	16,552734	9,815231	49869,09	14,400009	591,60004	582,2	576,9
19-12-2019 0:00	19:12:00	16,965061	9,878294	50197,914	14,400009	591,8	582,2	576,8
19-12-2019 0:00	19:13:00	17,084417	9,79598	50038,164	14,400009	591,60004	582,2	576,8
19-12-2019 0:00	19:14:00	16,52199	9,811798	49868,492	14,400009	591,2	582,2	576,8
19-12-2019 0:00	19:15:00	16,91985	9,782857	49951,785	14,400009	591,4	582	576,60004





DATOS	61	61	61	61	61	61	61
PROMEDIO	577	578	582	50,0	168	15,68	6,23
DESV EST	0,98	1,01	0,77	0,05	1,4	0,0481	0,0476
DESV EST %	0,0017	0,0017	0,0013	0,0010	0,0082	0,0031	0,0076
MAX	578	580	583	50,1	170	15,77	6,34
MIN	574,40	576,10	579,50	49,87	159,34	15,62	6,00

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	18:15:00	578	579,5	582,2	50,046005	168,78038	15,632668	6,249566
19-12-2019 0:00	18:16:00	578	579,5	582,2	50,03789	168,86719	15,632668	6,249566
19-12-2019 0:00	18:17:00	578	579,5	582,8	50,06212	169,97395	15,632668	6,249566
19-12-2019 0:00	18:18:00	576,8	578,3	581,60004	50,013813	167,17447	15,632668	6,249566
19-12-2019 0:00	18:19:00	577,5	578,3	581,60004	50,08997	168,28125	15,632668	6,212963
19-12-2019 0:00	18:20:00	577,5	579	581,60004	50,090538	167,26128	15,648474	6,212963
19-12-2019 0:00	18:21:00	577,5	579	581,60004	50,09253	167,26128	15,648474	6,254738
19-12-2019 0:00	18:22:00	577,5	579	582,2	50,04384	168,41145	15,648474	6,2237053
19-12-2019 0:00	18:23:00	577,5	579	582,2	50,053955	169,2144	15,648474	6,2237053
19-12-2019 0:00	18:24:00	577,5	578,60004	581,4	50,05528	168,51996	15,625795	6,2237053
19-12-2019 0:00	18:25:00	576,7	578,60004	581,4	50,075417	168,10764	15,625795	6,258319
19-12-2019 0:00	18:26:00	576,7	578,10004	580,4	50,041393	168,73697	15,625795	6,342267
19-12-2019 0:00	18:27:00	576,7	578,10004	580,4	49,9366	167,93402	15,625795	6,224899
19-12-2019 0:00	18:28:00	576	577,4	580,4	50,02165	168,82378	15,625795	6,2571254
19-12-2019 0:00	18:29:00	577,10004	578,60004	582,8	50,062603	168,93228	15,646412	6,2790074
19-12-2019 0:00	18:30:00	577,8	579,4	582,8	49,993954	167,4132	15,646412	6,159252
19-12-2019 0:00	18:31:00	577,8	579,4	581,60004	50,020187	168,23784	15,646412	6,2245007
19-12-2019 0:00	18:32:00	577,8	579,4	582,8	50,025063	168,69357	15,646412	6,2245007
19-12-2019 0:00	18:33:00	577,5	579,4	582,8	50,007496	167,26128	15,646412	6,167607
19-12-2019 0:00	18:34:00	577,5	579,4	581,60004	50,04496	168,82378	15,620985	6,173575
19-12-2019 0:00	18:35:00	577,5	578,7	581,60004	50,038414	168,73697	15,620985	6,200629
19-12-2019 0:00	18:36:00	577,5	578,7	581,60004	49,97321	169,0842	15,620985	6,2237053
19-12-2019 0:00	18:37:00	577,5	578,7	581,9	50,014347	168,19444	15,646412	6,2050056
19-12-2019 0:00	18:38:00	577,4	578,7	581,9	49,9402	168,82378	15,646412	6,311234
19-12-2019 0:00	18:39:00	577,4	578,7	581,4	49,974106	167,99913	15,646412	6,2197266
19-12-2019 0:00	18:40:00	577,10004	578,7	581,4	49,956707	167,19617	15,646412	6,2197266
19-12-2019 0:00	18:41:00	577,10004	578,7	581,4	49,968323	169,1927	15,646412	6,2197266
19-12-2019 0:00	18:42:00	577,10004	578,10004	581,4	49,929096	166,91406	15,646412	6,2197266
19-12-2019 0:00	18:43:00	576,4	578,10004	581,4	50,0053	168,47656	15,630606	6,212963
19-12-2019 0:00	18:44:00	576,7	578,10004	581,4	50,04527	168,67188	15,630606	6,212963
19-12-2019 0:00	18:45:00	576,7	578,10004	581	49,971107	169,1276	15,630606	6,212963
19-12-2019 0:00	18:46:00	576,3	578,10004	581	49,986286	168,02083	15,671839	6,2113714
19-12-2019 0:00	18:47:00	576,3	577,8	580,7	49,96668	168,71527	15,671839	6,2766204
19-12-2019 0:00	18:48:00	576,3	577,8	580,7	50,013474	165,76389	15,713072	6,1568646
19-12-2019 0:00	18:49:00	576,3	576,7	579,5	50,017475	159,34027	15,713072	6,004087
19-12-2019 0:00	18:50:00	576,4	576,60004	580,7	50,046177	168,75867	15,713072	6,2587166



DATOS	61	61	61	61	61	61	61
PROMEDIO	577	578	582	50,0	168	15,68	6,23
DESV EST	0,98	1,01	0,77	0,05	1,4	0,0481	0,0476
DESV EST %	0,0017	0,0017	0,0013	0,0010	0,0082	0,0031	0,0076
MAX	578	580	583	50,1	170	15,77	6,34
MIN	574,40	576,10	579,50	49,87	159,34	15,62	6,00

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	18:51:00	577,60004	578,9	583,10004	49,89526	166,63194	15,713072	6,2587166
19-12-2019 0:00	18:52:00	575,3	576,7	580,8	50,00562	168,10764	15,713072	6,252351
19-12-2019 0:00	18:53:00	575,3	576,7	580,8	49,97534	168,51996	15,700702	6,1970487
19-12-2019 0:00	18:54:00	574,4	576,10004	580,8	49,986156	168,30295	15,700702	6,2284794
19-12-2019 0:00	18:55:00	575,7	576,10004	581,4	49,9875	168,45485	15,700702	6,24877
19-12-2019 0:00	18:56:00	576,9	578,4	582,60004	49,966026	166,89235	15,700702	6,2702546
19-12-2019 0:00	18:57:00	575,8	577,2	581,9	49,959373	168,60677	15,700702	6,256727
19-12-2019 0:00	18:58:00	574,60004	576,8	580,8	49,957718	167,84721	15,700702	6,1512947
19-12-2019 0:00	18:59:00	575,7	577,9	581,9	49,95619	168,67188	15,700702	6,2030163
19-12-2019 0:00	19:00:00	576,7	577,9	583,10004	49,902676	168,36804	15,700702	6,243598
19-12-2019 0:00	19:01:00	576,7	578,60004	582	49,997784	169,69183	15,700702	6,221318
19-12-2019 0:00	19:02:00	576,7	577,7	582	49,867973	166,87065	15,700702	6,221318
19-12-2019 0:00	19:03:00	576,10004	577,7	582,60004	49,920372	167,82552	15,700702	6,221318
19-12-2019 0:00	19:04:00	576,10004	577,7	582,60004	49,96283	168,45485	15,700702	6,22649
19-12-2019 0:00	19:05:00	576,10004	577,7	582,60004	49,962143	168,04253	15,706886	6,22649
19-12-2019 0:00	19:06:00	576,10004	577,7	582,10004	49,964104	168,67188	15,706886	6,199038
19-12-2019 0:00	19:07:00	576,10004	577,7	582,10004	49,987087	168,84547	15,706886	6,2225113
19-12-2019 0:00	19:08:00	575,3	576,5	581,3	49,91009	168,21614	15,772859	6,2953196
19-12-2019 0:00	19:09:00	575,3	576,5	581,3	49,958675	169,47482	15,772859	6,262297
19-12-2019 0:00	19:10:00	575,2	576,5	581,3	49,97715	167,69531	15,772859	6,1640263
19-12-2019 0:00	19:11:00	575,2	576,5	580,8	49,92006	168,34634	15,772859	6,2205224
19-12-2019 0:00	19:12:00	574,9	576,5	580,8	49,983418	168,88889	15,772859	6,330729
19-12-2019 0:00	19:13:00	574,9	576,5	580,8	49,974953	168,08594	15,772859	6,2535443
19-12-2019 0:00	19:14:00	574,9	576,7	581,10004	49,964462	167,6302	15,764612	6,2571254
19-12-2019 0:00	19:15:00	574,9	576,7	581,10004	49,895626	168,23784	15,764612	6,2587166



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,26	6,26	0,9822	610	3,52	6,689	379
DESV EST	0,0539	0,0484	0,0047	9,7	0,0225	0,020	1,8
DESV EST %	0,0086	0,0077	0,0048	0,0158	0,0064	0,0030	0,0048
MAX	6,36	6,39	0,9885	640	3,56	6,734	383
MIN	5,92	6,04	0,97	595,21	3,46	6,65	375,27

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	18:15:00	6,2734375	6,2730393	0,982605	610,5469	3,5596209	6,6770544	383,35504
19-12-2019 0:00	18:16:00	6,2734375	6,2730393	0,982605	605,46875	3,5441985	6,6770544	380,7509
19-12-2019 0:00	18:17:00	6,3012877	6,3267503	0,982605	604,6875	3,5441985	6,6770544	380,7509
19-12-2019 0:00	18:18:00	6,276222	6,294126	0,982605	604,0039	3,5441985	6,6770544	380,7509
19-12-2019 0:00	18:19:00	6,282986	6,2726417	0,982605	608,2031	3,5441985	6,6764827	382,92102
19-12-2019 0:00	18:20:00	6,246383	6,274631	0,9847412	596,77734	3,5441985	6,6781974	381,45618
19-12-2019 0:00	18:21:00	6,246383	6,2332535	0,9874268	597,16797	3,5441985	6,6781974	381,45618
19-12-2019 0:00	18:22:00	6,1918764	6,2169414	0,9874268	603,22266	3,5441985	6,6781974	381,45618
19-12-2019 0:00	18:23:00	6,243598	6,263093	0,9874268	598,9258	3,5441985	6,6781974	379,12326
19-12-2019 0:00	18:24:00	6,243598	6,2364364	0,9874268	604,10156	3,4985242	6,6781974	379,12326
19-12-2019 0:00	18:25:00	6,285373	6,2742333	0,9859009	599,70703	3,5311487	6,6781974	379,12326
19-12-2019 0:00	18:26:00	6,3557944	6,3864293	0,9859009	603,8086	3,5311487	6,6781974	379,12326
19-12-2019 0:00	18:27:00	6,2447915	6,2706523	0,9859009	604,98047	3,5092013	6,6781974	379,12326
19-12-2019 0:00	18:28:00	6,283384	6,2368345	0,9840088	609,5703	3,5092013	6,6781974	379,01477
19-12-2019 0:00	18:29:00	6,2483726	6,2945237	0,9840088	607,6172	3,5092013	6,6810546	379,01477
19-12-2019 0:00	18:30:00	6,280201	6,211769	0,9840088	603,125	3,5092013	6,68134	379,01477
19-12-2019 0:00	18:31:00	6,227286	6,2368345	0,9848022	601,7578	3,5092013	6,6790543	378,41797
19-12-2019 0:00	18:32:00	6,279405	6,3020835	0,9848022	607,4219	3,532335	6,6736255	382,27
19-12-2019 0:00	18:33:00	6,2455873	6,277018	0,9848022	596,875	3,532335	6,678483	379,5573
19-12-2019 0:00	18:34:00	6,2455873	6,2229095	0,9848022	601,7578	3,5121672	6,678483	379,5573
19-12-2019 0:00	18:35:00	6,2455873	6,2730393	0,9857178	601,7578	3,5121672	6,678483	379,5573
19-12-2019 0:00	18:36:00	6,2455873	6,2308664	0,9857178	599,1211	3,5121672	6,678483	379,5573
19-12-2019 0:00	18:37:00	6,2455873	6,290943	0,9857178	601,85547	3,5121672	6,678483	378,47223
19-12-2019 0:00	18:38:00	6,2455873	6,2969112	0,9874268	605,5664	3,5121672	6,680769	378,47223
19-12-2019 0:00	18:39:00	6,2455873	6,2336516	0,9852905	605,5664	3,5121672	6,6821976	378,47223
19-12-2019 0:00	18:40:00	6,2455873	6,2336516	0,9852905	603,71094	3,5121672	6,6764827	378,47223
19-12-2019 0:00	18:41:00	6,2364364	6,308847	0,9852905	603,71094	3,4747972	6,6781974	376,68185
19-12-2019 0:00	18:42:00	6,235243	6,2368345	0,9852905	603,71094	3,5264032	6,6781974	380,15408
19-12-2019 0:00	18:43:00	6,2821903	6,2344475	0,9852905	603,71094	3,5264032	6,6781974	380,15408
19-12-2019 0:00	18:44:00	6,241211	6,1775537	0,9884644	595,21484	3,5264032	6,679626	380,15408
19-12-2019 0:00	18:45:00	6,241211	6,2766204	0,9821777	610,35156	3,5264032	6,6910553	380,15408
19-12-2019 0:00	18:46:00	6,243598	6,337095	0,9821777	625,29297	3,5264032	6,70277	379,12326
19-12-2019 0:00	18:47:00	6,2766204	6,271448	0,9769287	616,5039	3,5264032	6,703913	379,12326
19-12-2019 0:00	18:48:00	6,1520905	6,1568646	0,9769287	616,5039	3,5447915	6,7079134	379,12326
19-12-2019 0:00	18:49:00	5,9213324	6,038303	0,9780884	601,66016	3,5447915	6,705056	380,31686
19-12-2019 0:00	18:50:00	6,3279443	6,279405	0,9780884	615,91797	3,5447915	6,705056	380,31686



DATOS	61	61	61	61	61	61	61
PROMEDIO	6,26	6,26	0,9822	610	3,52	6,689	379
DESV EST	0,0539	0,0484	0,0047	9,7	0,0225	0,020	1,8
DESV EST %	0,0086	0,0077	0,0048	0,0158	0,0064	0,0030	0,0048
MAX	6,36	6,39	0,9885	640	3,56	6,734	383
MIN	5,92	6,04	0,97	595,21	3,46	6,65	375,27

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	18:51:00	6,2316623	6,279405	0,982605	620,7031	3,5447915	6,705056	382,05295
19-12-2019 0:00	18:52:00	6,277416	6,2603083	0,9810791	614,35547	3,5447915	6,7093425	382,05295
19-12-2019 0:00	18:53:00	6,277416	6,2682652	0,9810791	614,35547	3,5447915	6,705056	382,05295
19-12-2019 0:00	18:54:00	6,243598	6,2682652	0,9810791	609,5703	3,5542824	6,705056	380,09982
19-12-2019 0:00	18:55:00	6,322374	6,2682652	0,9810791	611,03516	3,5542824	6,705056	380,09982
19-12-2019 0:00	18:56:00	6,2432003	6,2682652	0,9810791	611,03516	3,5264032	6,706199	380,09982
19-12-2019 0:00	18:57:00	6,240415	6,2682652	0,9810791	614,2578	3,5264032	6,706199	380,09982
19-12-2019 0:00	18:58:00	6,2471786	6,2682652	0,9810791	609,375	3,5264032	6,706199	380,09982
19-12-2019 0:00	18:59:00	6,2813945	6,2682652	0,9810791	614,0625	3,5264032	6,706199	380,09982
19-12-2019 0:00	19:00:00	6,279405	6,2682652	0,9810791	614,0625	3,5264032	6,706199	378,30948
19-12-2019 0:00	19:01:00	6,243598	6,296513	0,984436	606,25	3,4777632	6,706199	377,1159
19-12-2019 0:00	19:02:00	6,2790074	6,2336516	0,984436	606,25	3,4777632	6,706199	377,1159
19-12-2019 0:00	19:03:00	6,2730393	6,22092	0,984436	609,8633	3,504456	6,706485	377,1159
19-12-2019 0:00	19:04:00	6,2424045	6,2312646	0,9817505	609,8633	3,504456	6,706485	377,1159
19-12-2019 0:00	19:05:00	6,2424045	6,229673	0,9852295	607,6172	3,4641204	6,706485	375,27127
19-12-2019 0:00	19:06:00	6,2424045	6,2451897	0,9852295	607,6172	3,4795427	6,706485	375,27127
19-12-2019 0:00	19:07:00	6,2424045	6,2451897	0,9807739	622,85156	3,5341146	6,732201	377,49567
19-12-2019 0:00	19:08:00	6,3072553	6,2451897	0,9763184	618,16406	3,473611	6,732201	377,49567
19-12-2019 0:00	19:09:00	6,25434	6,2451897	0,9763184	608,0078	3,515133	6,7336297	375,7053
19-12-2019 0:00	19:10:00	6,25434	6,2451897	0,9788818	612,3047	3,515133	6,7336297	375,7053
19-12-2019 0:00	19:11:00	6,243598	6,2451897	0,9788818	622,7539	3,4795427	6,650767	379,50305
19-12-2019 0:00	19:12:00	6,2953196	6,3239655	0,9752808	638,1836	3,5311487	6,6504807	379,50305
19-12-2019 0:00	19:13:00	6,2953196	6,3239655	0,9653931	632,6172	3,493779	6,6504807	379,50305
19-12-2019 0:00	19:14:00	6,3072553	6,3279443	0,9672852	632,6172	3,5269964	6,6504807	382,05295
19-12-2019 0:00	19:15:00	6,3072553	6,3279443	0,9672852	639,64844	3,5269964	6,6504807	382,05295



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	164,8	74,48	21,1	0,799	45,1	56,2	185,5	11,27
DESV EST	1,4	1,68	0,05	0,011	0,17	1,06	0,56	0,03
DESV EST %	0,0087	0,0225	0,0025	0,0133	0,0037	0,0189	0,0030	0,0023
MAX	167,3	76,83	21,2	0,833	45,4	57,6	186,6	11,34
MIN	156,47	70,96	21,00	0,78	44,75	54,74	184,49	11,22

		UNIT LOAD SETPOINT		F COND TO P/HTR SYST		PRES COND D/S CEP		FLOW FW TO HP ATP		FLOW CCP		FLOW HP FW HDR		PRES HP FW U/S S/O-V		FLOW IP FW HDR	
		GT															
Date	Time	11CJA00DE100  XQ95	11LCA20CF001  XQ01	10LCA20CP001  XQ01	11LAE10CF001  XQ01	11LCA60CF001  XQ01	11LAB20CF001  XQ01	10LAB20CP001  XQ01	11LAB50CF001  XQ01								
		MW	kg/s	BAR	kg/s	kg/s	kg/s	BAR	kg/s								
19-12-2019 0:00	18:15:00	165,37766	76,22669	21,182726	0,7785071	45,08815	57,33472	185,02605	11,249357								
19-12-2019 0:00	18:16:00	166,09439	76,61056	21,182726	0,8016608	45,077477	57,33359	185,39064	11,262994								
19-12-2019 0:00	18:17:00	165,66664	76,19968	21,225044	0,7961078	45,006165	57,412212	185,54689	11,262994								
19-12-2019 0:00	18:18:00	163,78836	76,19968	21,196833	0,8220668	45,006165	57,359695	185,54689	11,270291								
19-12-2019 0:00	18:19:00	164,78282	76,37631	21,24349	0,8013531	45,187893	57,55544	185,39064	11,274509								
19-12-2019 0:00	18:20:00	163,72182	76,57231	21,203342	0,7943485	45,129658	57,528988	185,87674	11,274509								
19-12-2019 0:00	18:21:00	164,70966	76,40153	21,203342	0,8021592	45,129658	57,430412	185,59897	11,274509								
19-12-2019 0:00	18:22:00	164,8892	76,46776	21,194662	0,8021592	44,910923	57,636497	185,59897	11,29173								
19-12-2019 0:00	18:23:00	165,22278	76,21927	21,185982	0,814405	44,902843	57,366154	185,52084	11,256346								
19-12-2019 0:00	18:24:00	165,29085	73,87841	21,220705	0,7891321	45,055683	55,359272	186,56252	11,306671								
19-12-2019 0:00	18:25:00	164,16891	73,803116	21,21962	0,7955519	45,27003	55,391415	186,42361	11,337842								
19-12-2019 0:00	18:26:00	166,74544	73,635376	21,177301	0,7955519	45,174046	55,52826	186,05035	11,289577								
19-12-2019 0:00	18:27:00	164,31691	73,635376	21,121964	0,7901989	45,15455	55,250996	185,72049	11,267552								
19-12-2019 0:00	18:28:00	165,64958	73,873116	21,199003	0,813625	45,252735	55,146454	186,05035	11,287436								
19-12-2019 0:00	18:29:00	167,27101	73,56633	21,178387	0,8014601	45,206665	55,512894	185,92015	11,313189								
19-12-2019 0:00	18:30:00	163,30228	73,81721	21,117622	0,7855546	45,206665	55,32247	186,11111	11,291674								
19-12-2019 0:00	18:31:00	165,19208	73,82066	21,199003	0,8063505	45,391018	55,457123	186,45834	11,307861								
19-12-2019 0:00	18:32:00	165,31018	73,78373	21,189238	0,808651	45,23072	55,35964	186,29341	11,2946825								
19-12-2019 0:00	18:33:00	163,74852	73,78804	21,137154	0,7886863	45,403038	55,00754	186,25868	11,2946825								
19-12-2019 0:00	18:34:00	165,25635	73,941696	21,183811	0,8031093	45,244663	55,490974	186,04167	11,2946825								
19-12-2019 0:00	18:35:00	165,19276	73,77664	21,183811	0,8005684	45,260773	55,373222	186,25002	11,306107								
19-12-2019 0:00	18:36:00	164,12727	73,49816	21,16645	0,7972065	45,404335	55,094143	186,04167	11,277439								
19-12-2019 0:00	18:37:00	165,39545	73,39444	21,13173	0,8014417	45,282803	55,047375	185,86806	11,305927								
19-12-2019 0:00	18:38:00	166,28189	73,37692	21,112198	0,7944579	45,156586	55,29368	185,39064	11,279974								
19-12-2019 0:00	18:39:00	164,7768	73,55221	21,203342	0,8331113	45,07906	54,93911	186,21529	11,294592								
19-12-2019 0:00	18:40:00	164,78569	73,55221	21,120878	0,8040736	45,07906	55,233414	185,72049	11,272927								
19-12-2019 0:00	18:41:00	164,86418	73,46071	21,132814	0,7831816	45,150574	55,3479	185,52084	11,272927								
19-12-2019 0:00	18:42:00	164,53273	73,55032	21,120878	0,811668	45,147694	57,046925	184,5573	11,236974								
19-12-2019 0:00	18:43:00	165,20082	73,55032	21,185982	0,8242987	45,147694	57,155136	184,73091	11,236974								
19-12-2019 0:00	18:44:00	165,22812	73,83413	21,209854	0,8072116	45,23529	57,351467	185,59029	11,236974								
19-12-2019 0:00	18:45:00	165,63571	73,32819	21,154514	0,7969509	45,152027	57,32734	184,87848	11,236974								
19-12-2019 0:00	18:46:00	166,54488	73,50664	21,14258	0,7969509	45,16935	57,15152	184,86111	11,236974								
19-12-2019 0:00	18:47:00	165,10918	73,26564	21,129559	0,7891895	45,154503	57,376896	184,6441	11,223531								
19-12-2019 0:00	18:48:00	161,73717	73,26564	21,17513	0,7940039	45,062702	57,12194	185,02605	11,234615								
19-12-2019 0:00	18:49:00	156,47382	76,387505	21,16428	0,7988481	44,80316	57,567024	185,1823	11,287306								
19-12-2019 0:00	18:50:00	165,7755	76,53089	21,154514	0,7933074	45,01457	57,142567	185,17361	11,258612								



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	164,8	74,48	21,1	0,799	45,1	56,2	185,5	11,27
DESV EST	1,4	1,68	0,05	0,011	0,17	1,06	0,56	0,03
DESV EST %	0,0087	0,0225	0,0025	0,0133	0,0037	0,0189	0,0030	0,0023
MAX	167,3	76,83	21,2	0,833	45,4	57,6	186,6	11,34
MIN	156,47	70,96	21,00	0,78	44,75	54,74	184,49	11,22

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	18:51:00	163,12724	76,66692	21,052519	0,7885367	44,875328	56,786694	185,17361	11,274606
19-12-2019 0:00	18:52:00	164,66779	76,67575	21,067709	0,7954043	44,928394	57,36858	184,5573	11,245408
19-12-2019 0:00	18:53:00	163,60265	76,67575	21,07205	0,7863365	45,08118	57,193253	185,00868	11,245408
19-12-2019 0:00	18:54:00	164,88148	76,538414	21,113283	0,805588	44,97047	57,193253	184,72223	11,245408
19-12-2019 0:00	18:55:00	165,38655	76,82848	21,113283	0,7780075	44,959118	57,31382	184,65279	11,266358
19-12-2019 0:00	18:56:00	164,88446	76,562485	21,091581	0,7894242	44,975243	57,02268	184,85243	11,258814
19-12-2019 0:00	18:57:00	164,75188	76,562485	21,055773	0,7927392	44,754276	57,27134	184,72223	11,244285
19-12-2019 0:00	18:58:00	165,62881	76,562485	21,090496	0,8022152	44,865734	57,318237	184,70486	11,244285
19-12-2019 0:00	18:59:00	164,64336	76,562485	21,050348	0,7949616	44,865734	57,155895	184,48785	11,244285
19-12-2019 0:00	19:00:00	164,28476	76,562485	21,056858	0,7949616	44,76153	56,89915	184,72223	11,235894
19-12-2019 0:00	19:01:00	165,3249	73,806854	21,143663	0,8078705	45,090187	55,180553	185,8941	11,2824545
19-12-2019 0:00	19:02:00	163,65602	74,00695	21,00152	0,7920851	44,964493	54,927254	185,8941	11,270681
19-12-2019 0:00	19:03:00	165,27118	74,00695	21,046007	0,792536	45,418224	55,100163	185,33855	11,29596
19-12-2019 0:00	19:04:00	166,20078	74,00695	21,137154	0,802186	45,099953	55,11727	185,52084	11,269102
19-12-2019 0:00	19:05:00	164,5925	70,95671	21,115452	0,7929337	45,37397	55,208694	185,74654	11,297332
19-12-2019 0:00	19:06:00	165,29169	71,24109	21,143663	0,7929337	45,37397	55,039276	185,69446	11,297332
19-12-2019 0:00	19:07:00	165,27711	71,5636	21,196833	0,7936799	45,433807	55,19828	186,41493	11,311567
19-12-2019 0:00	19:08:00	165,05711	71,40634	21,116537	0,7936799	45,34607	55,007343	185,55556	11,311567
19-12-2019 0:00	19:09:00	165,57191	71,136406	21,183811	0,8053918	45,251575	55,007343	185,55556	11,273559
19-12-2019 0:00	19:10:00	164,15456	71,31454	21,162111	0,7916826	45,051495	55,141922	185,70314	11,284771
19-12-2019 0:00	19:11:00	164,79315	74,50578	21,129559	0,8065969	45,041363	54,90851	185,69446	11,293083
19-12-2019 0:00	19:12:00	166,1934	74,666954	21,120878	0,786653	45,122528	55,203316	185,69446	11,264975
19-12-2019 0:00	19:13:00	164,5931	74,41249	21,094835	0,8095266	45,198532	55,296104	185,69446	11,306978
19-12-2019 0:00	19:14:00	163,56422	74,664	21,137154	0,7960711	45,16545	55,250603	186,0243	11,288602
19-12-2019 0:00	19:15:00	165,31517	74,55588	21,111113	0,8216012	45,006535	54,738693	185,92015	11,288602



DATOS	61	61	61	61	61	61	61	61	61
PROMEDIO	74,21	0,23	7,31	17,06	1.918,39	84,51	83,35	22,44	
DESV EST	0,23	0,11	0,07	0,08	15,01	0,18	0,17	0,05	
DESV EST %	0,0031	0,4651	0,0099	0,0046	0,0078	0,0021	0,0021	0,0024	
MAX	74,75	0,49	7,51	17,20	1936,17	84,78	83,60	22,48	
MIN	73,85	0,10	7,11	16,89	1886,15	84,14	82,99	22,35	

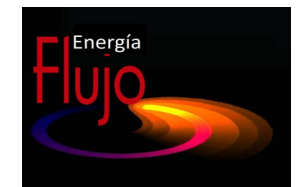
Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	18:15:00	74,092155	0,141351	7,3099685	17,011719	1919,8904	84,628525	83,478004	22,475409
19-12-2019 0:00	18:16:00	74,21152	0,2441766	7,2952394	17,03342	1921,2866	84,65233	83,478004	22,475409
19-12-2019 0:00	18:17:00	74,27662	0,305816	7,244968	17,03342	1923,1483	84,6761	83,478004	22,475409
19-12-2019 0:00	18:18:00	74,1645	0,2349234	7,3307614	17,059464	1921,9006	84,727974	83,53587	22,475409
19-12-2019 0:00	18:19:00	74,1645	0,1380507	7,343863	17,052952	1923,5769	84,76328	83,59953	22,475409
19-12-2019 0:00	18:20:00	74,30917	0,4008198	7,3306837	17,052952	1926,2291	84,76328	83,59953	22,475409
19-12-2019 0:00	18:21:00	74,280235	0,3602093	7,3324866	17,052952	1923,0182	84,76328	83,59953	22,475409
19-12-2019 0:00	18:22:00	74,280235	0,1314602	7,3383093	17,046442	1927,1394	84,76328	83,59953	22,475409
19-12-2019 0:00	18:23:00	74,150024	0,1294365	7,33532	17,02257	1931,57	84,77714	83,59953	22,463833
19-12-2019 0:00	18:24:00	74,50087	0,150978	7,2798166	17,146269	1932,4257	84,761116	83,59953	22,463833
19-12-2019 0:00	18:25:00	74,74682	0,1048119	7,281131	17,161459	1930,9535	84,761116	83,59953	22,463833
19-12-2019 0:00	18:26:00	74,58044	0,1373583	7,2603292	17,1658	1933,1166	84,73064	83,59953	22,463833
19-12-2019 0:00	18:27:00	74,31279	0,1928082	7,261336	17,052952	1936,1713	84,70512	83,59953	22,463833
19-12-2019 0:00	18:28:00	74,526184	0,1083696	7,271643	17,109375	1931,9048	84,70512	83,54745	22,463833
19-12-2019 0:00	18:29:00	74,60214	0,414859	7,26577	17,1658	1934,1505	84,66852	83,54745	22,463833
19-12-2019 0:00	18:30:00	74,374275	0,1224766	7,3364305	17,081163	1934,4774	84,63171	83,478004	22,463833
19-12-2019 0:00	18:31:00	74,598526	0,1620923	7,354372	17,138672	1932,5604	84,593216	83,478004	22,463833
19-12-2019 0:00	18:32:00	74,43576	0,3512903	7,3538065	17,129992	1932,8136	84,593216	83,40856	22,483362
19-12-2019 0:00	18:33:00	74,43576	0,1609338	7,3561506	17,135418	1934,8444	84,57032	83,40856	22,483362
19-12-2019 0:00	18:34:00	74,49725	0,1340931	7,3533916	17,111546	1934,558	84,600784	83,40856	22,483362
19-12-2019 0:00	18:35:00	74,49725	0,2326851	7,356776	17,123482	1932,7985	84,58288	83,40856	22,483362
19-12-2019 0:00	18:36:00	74,31279	0,30059	7,346278	17,141928	1934,5898	84,58288	83,40856	22,483362
19-12-2019 0:00	18:37:00	74,280235	0,2857789	7,339926	17,098526	1935,5491	84,58288	83,4375	22,483362
19-12-2019 0:00	18:38:00	74,21152	0,2053971	7,3310585	17,014975	1929,3838	84,58288	83,4375	22,483362
19-12-2019 0:00	18:39:00	74,58767	0,1019104	7,325066	17,134333	1933,8198	84,58288	83,4375	22,483362
19-12-2019 0:00	18:40:00	74,291084	0,2686543	7,3393116	17,082249	1933,747	84,574585	83,4375	22,483362
19-12-2019 0:00	18:41:00	74,280235	0,2324084	7,339804	17,076824	1931,4036	84,574585	83,4375	22,483362
19-12-2019 0:00	18:42:00	73,864296	0,159146	7,3252497	17,055122	1928,5938	84,56698	83,42593	22,483362
19-12-2019 0:00	18:43:00	74,00173	0,1608136	7,336865	17,102865	1922,7305	84,57808	83,42593	22,483362
19-12-2019 0:00	18:44:00	74,13194	0,3032095	7,3807554	17,184246	1915,0402	84,58979	83,42593	22,483362
19-12-2019 0:00	18:45:00	73,91855	0,2821958	7,2802076	17,136503	1911,544	84,60551	83,42593	22,483362
19-12-2019 0:00	18:46:00	73,91855	0,3894816	7,128753	17,118057	1904,8907	84,60551	83,42593	22,483362
19-12-2019 0:00	18:47:00	73,91855	0,1267783	7,1129746	17,080078	1901,7317	84,57624	83,42593	22,483362
19-12-2019 0:00	18:48:00	74,07407	0,4545578	7,10856	17,131077	1895,9381	84,55985	83,42593	22,483362
19-12-2019 0:00	18:49:00	74,07769	0,1756885	7,1588106	17,010635	1893,3911	84,44892	83,263885	22,483362
19-12-2019 0:00	18:50:00	74,00535	0,4890719	7,3198485	16,982422	1892,2534	84,14315	83,10185	22,483362



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	74,21	0,23	7,31	17,06	1.918,39	84,51	83,35	22,44
DESV EST	0,23	0,11	0,07	0,08	15,01	0,18	0,17	0,05
DESV EST %	0,0031	0,4651	0,0099	0,0046	0,0078	0,0021	0,0021	0,0024
MAX	74,75	0,49	7,51	17,20	1936,17	84,78	83,60	22,48
MIN	73,85	0,10	7,11	16,89	1886,15	84,14	82,99	22,35

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	18:51:00	73,9945	0,1315506	7,292016	16,973742	1896,2051	84,14315	82,9919	22,348091
19-12-2019 0:00	18:52:00	73,84621	0,1742209	7,3100524	16,91298	1898,7794	84,20332	82,9919	22,348091
19-12-2019 0:00	18:53:00	73,9294	0,169197	7,301407	16,978083	1900,799	84,24498	83,10185	22,348091
19-12-2019 0:00	18:54:00	73,9294	0,1685577	7,293163	16,946615	1905,6284	84,32455	83,10185	22,348091
19-12-2019 0:00	18:55:00	73,86068	0,1617656	7,3064957	16,934679	1907,7101	84,32455	83,18865	22,348091
19-12-2019 0:00	18:56:00	73,91493	0,3039201	7,3022327	16,94119	1908,6423	84,29994	83,18865	22,348091
19-12-2019 0:00	18:57:00	73,91493	0,4034603	7,3155265	16,93251	1911,6871	84,29994	83,18865	22,348091
19-12-2019 0:00	18:58:00	73,91855	0,1852838	7,306752	16,919489	1916,604	84,348976	83,18865	22,348091
19-12-2019 0:00	18:59:00	73,857056	0,1559316	7,3199406	16,919489	1918,7659	84,348976	83,18865	22,348091
19-12-2019 0:00	19:00:00	73,857056	0,3535233	7,3176646	16,892363	1924,6173	84,33352	83,18865	22,348091
19-12-2019 0:00	19:01:00	74,29832	0,3060553	7,3614483	17,055122	1927,4061	84,30593	83,171295	22,348091
19-12-2019 0:00	19:02:00	74,29832	0,1277509	7,3390703	16,983507	1929,3123	84,329155	83,171295	22,348091
19-12-2019 0:00	19:03:00	74,063225	0,1184949	7,3341975	16,988934	1929,1664	84,329155	83,171295	22,370516
19-12-2019 0:00	19:04:00	74,273	0,2972199	7,3416553	17,017145	1932,1661	84,33899	83,171295	22,370516
19-12-2019 0:00	19:05:00	74,05961	0,1734822	7,3537006	17,134333	1927,1437	84,33899	83,171295	22,370516
19-12-2019 0:00	19:06:00	74,27662	0,1187199	7,3823237	17,152779	1921,9567	84,36456	83,21759	22,370516
19-12-2019 0:00	19:07:00	74,42491	0,2264757	7,366364	17,19835	1914,1104	84,38655	83,21759	22,370516
19-12-2019 0:00	19:08:00	74,291084	0,3625479	7,514515	17,150608	1908,567	84,38655	83,21759	22,415367
19-12-2019 0:00	19:09:00	74,06684	0,2683486	7,4365163	17,162544	1901,4967	84,38655	83,21759	22,415367
19-12-2019 0:00	19:10:00	74,204285	0,153787	7,389798	17,134333	1894,0795	84,38655	83,21759	22,415367
19-12-2019 0:00	19:11:00	74,34534	0,1063326	7,3894787	17,043186	1886,1504	84,38655	83,23495	22,415367
19-12-2019 0:00	19:12:00	74,28385	0,105159	7,384961	17,011719	1889,6605	84,38655	83,23495	22,415367
19-12-2019 0:00	19:13:00	74,28385	0,3143869	7,253586	17,027996	1893,2778	84,38655	83,23495	22,415367
19-12-2019 0:00	19:14:00	74,35258	0,3725573	7,2450666	17,065973	1895,3286	84,364525	83,23495	22,415367
19-12-2019 0:00	19:15:00	74,21152	0,4648813	7,1056914	17,00087	1899,4908	84,364525	83,23495	22,443579





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	21,68	21,30	2,40	3,47	2,70	2,54	0,04	536,43
DESV EST	0,05	0,05	0,01	0,01	0,00	0,01	0,00	0,30
DESV EST %	0,0024	0,0024	0,0031	0,0041	0,0014	0,0030	0,0071	0,0006
MAX	21,73	21,35	2,41	3,49	2,71	2,55	0,04	536,85
MIN	21,58	21,22	2,39	3,44	2,69	2,52	0,04	535,98

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	18:15:00	21,701298	21,332466	2,4006076	3,4659052	2,6969213	2,5379536	0,0448152	536,518
19-12-2019 0:00	18:16:00	21,701298	21,332466	2,4006076	3,4659052	2,699853	2,5379536	0,0448152	536,518
19-12-2019 0:00	18:17:00	21,69484	21,332466	2,4006076	3,4659052	2,6964703	2,5362659	0,0448152	536,518
19-12-2019 0:00	18:18:00	21,712122	21,332466	2,4006076	3,455768	2,6964703	2,5362659	0,0446585	536,518
19-12-2019 0:00	18:19:00	21,712122	21,332466	2,4006076	3,455768	2,6964703	2,537351	0,0446585	536,84717
19-12-2019 0:00	18:20:00	21,709473	21,332466	2,4006076	3,455768	2,6964703	2,537351	0,0444897	536,84717
19-12-2019 0:00	18:21:00	21,709473	21,332466	2,3987992	3,4525094	2,7000978	2,537351	0,0444897	536,84717
19-12-2019 0:00	18:22:00	21,709473	21,332466	2,3987992	3,4525094	2,7000978	2,5351808	0,044345	536,84717
19-12-2019 0:00	18:23:00	21,704088	21,332466	2,3987992	3,4488888	2,6990216	2,5351808	0,044345	536,84717
19-12-2019 0:00	18:24:00	21,704088	21,332466	2,3987992	3,4488888	2,6990216	2,5351808	0,044345	536,84717
19-12-2019 0:00	18:25:00	21,709661	21,332466	2,3987992	3,4488888	2,7010064	2,5351808	0,044345	536,84717
19-12-2019 0:00	18:26:00	21,709661	21,332466	2,3987992	3,45794	2,7098172	2,5369892	0,0442486	536,84717
19-12-2019 0:00	18:27:00	21,717636	21,332466	2,3987992	3,45794	2,7094052	2,5369892	0,0442486	536,518
19-12-2019 0:00	18:28:00	21,724154	21,332466	2,3987992	3,4651814	2,703976	2,5402443	0,0442486	536,518
19-12-2019 0:00	18:29:00	21,724154	21,332466	2,4060328	3,4651814	2,6951926	2,5442228	0,0442486	536,518
19-12-2019 0:00	18:30:00	21,724154	21,332466	2,4060328	3,470612	2,698624	2,5420527	0,0443812	536,518
19-12-2019 0:00	18:31:00	21,724154	21,332466	2,4060328	3,470612	2,70177	2,5420527	0,0443812	536,518
19-12-2019 0:00	18:32:00	21,724154	21,332466	2,4060328	3,470612	2,699599	2,5420527	0,0446344	536,518
19-12-2019 0:00	18:33:00	21,720366	21,332466	2,4042244	3,470612	2,702878	2,5420527	0,0446344	536,518
19-12-2019 0:00	18:34:00	21,720366	21,349827	2,4042244	3,470612	2,6932034	2,5420527	0,0446344	536,518
19-12-2019 0:00	18:35:00	21,729622	21,349827	2,4042244	3,4738703	2,699591	2,5448256	0,0446344	536,518
19-12-2019 0:00	18:36:00	21,729622	21,349827	2,4063945	3,4829216	2,7017276	2,5448256	0,0446344	536,7766
19-12-2019 0:00	18:37:00	21,726686	21,349827	2,4060328	3,4829216	2,7054973	2,5448256	0,0446344	536,7766
19-12-2019 0:00	18:38:00	21,726686	21,349827	2,4060328	3,4829216	2,6928928	2,5448256	0,0446344	536,7766
19-12-2019 0:00	18:39:00	21,726686	21,349827	2,4074795	3,4829216	2,6985967	2,5448256	0,0444897	536,7766
19-12-2019 0:00	18:40:00	21,734581	21,349827	2,4074795	3,4829216	2,694067	2,5448256	0,0444897	536,7766
19-12-2019 0:00	18:41:00	21,730307	21,349827	2,4074795	3,4829216	2,6993437	2,5471163	0,0445741	536,7766
19-12-2019 0:00	18:42:00	21,730307	21,349827	2,4074795	3,4876285	2,7050102	2,5471163	0,0445741	536,7766
19-12-2019 0:00	18:43:00	21,733978	21,349827	2,410735	3,4876285	2,7007613	2,5456696	0,0445741	536,7766
19-12-2019 0:00	18:44:00	21,729967	21,349827	2,410735	3,4876285	2,6965723	2,5466342	0,0445741	536,518
19-12-2019 0:00	18:45:00	21,729967	21,349827	2,4053094	3,449975	2,6942754	2,544464	0,0445741	536,518
19-12-2019 0:00	18:46:00	21,720041	21,349827	2,4053094	3,449975	2,6944456	2,5413294	0,0445741	536,518
19-12-2019 0:00	18:47:00	21,709152	21,349827	2,400246	3,4756808	2,6981866	2,53928	0,0445741	536,518
19-12-2019 0:00	18:48:00	21,700132	21,349827	2,400246	3,4756808	2,706067	2,53928	0,0445741	536,3064
19-12-2019 0:00	18:49:00	21,662365	21,349827	2,400246	3,4814734	2,7002385	2,5368686	0,0442606	536,3064
19-12-2019 0:00	18:50:00	21,615696	21,263021	2,3915653	3,4698877	2,69402	2,524933	0,0442606	536,3064



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	21,68	21,30	2,40	3,47	2,70	2,54	0,04	536,43
DESV EST	0,05	0,05	0,01	0,01	0,00	0,01	0,00	0,30
DESV EST %	0,0024	0,0024	0,0031	0,0041	0,0014	0,0030	0,0071	0,0006
MAX	21,73	21,35	2,41	3,49	2,71	2,55	0,04	536,85
MIN	21,58	21,22	2,39	3,44	2,69	2,52	0,04	535,98

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	18:51:00	21,584854	21,263021	2,3915653	3,4590263	2,6963313	2,524933	0,0440677	535,9773
19-12-2019 0:00	18:52:00	21,584854	21,215279	2,3861399	3,4525094	2,6963313	2,524933	0,0440677	535,9773
19-12-2019 0:00	18:53:00	21,591486	21,215279	2,3861399	3,4525094	2,7013526	2,5239687	0,0440677	535,9773
19-12-2019 0:00	18:54:00	21,603666	21,215279	2,3861399	3,4525094	2,7031114	2,5239687	0,0440677	535,9773
19-12-2019 0:00	18:55:00	21,603666	21,215279	2,3861399	3,4525094	2,7031114	2,5258975	0,0440677	535,9773
19-12-2019 0:00	18:56:00	21,603666	21,215279	2,3861399	3,4525094	2,6991649	2,5258975	0,0440677	535,9773
19-12-2019 0:00	18:57:00	21,597807	21,215279	2,3861399	3,4525094	2,6991649	2,52421	0,0440677	535,9773
19-12-2019 0:00	18:58:00	21,597807	21,2283	2,3861399	3,4459925	2,6959794	2,52421	0,0440677	535,9773
19-12-2019 0:00	18:59:00	21,606112	21,2283	2,387225	3,4459925	2,6975398	2,52421	0,0440677	535,9773
19-12-2019 0:00	19:00:00	21,59723	21,2283	2,387225	3,4387512	2,6969457	2,52421	0,0440677	535,9773
19-12-2019 0:00	19:01:00	21,59723	21,2283	2,387225	3,4387512	2,7024496	2,522522	0,0440677	535,9773
19-12-2019 0:00	19:02:00	21,59723	21,2283	2,3857782	3,4449062	2,7017374	2,522522	0,0438025	535,9773
19-12-2019 0:00	19:03:00	21,605778	21,2283	2,3857782	3,4449062	2,7035925	2,5256567	0,0438025	536,2594
19-12-2019 0:00	19:04:00	21,61634	21,2283	2,3857782	3,4550438	2,706335	2,5256567	0,0436458	536,2594
19-12-2019 0:00	19:05:00	21,62242	21,2283	2,3944588	3,4651814	2,6906192	2,5331311	0,0436458	536,2594
19-12-2019 0:00	19:06:00	21,636639	21,267363	2,3944588	3,4651814	2,7009454	2,5331311	0,0438628	536,2594
19-12-2019 0:00	19:07:00	21,64628	21,267363	2,3944588	3,4756808	2,7027595	2,5331311	0,0438628	536,2594
19-12-2019 0:00	19:08:00	21,654266	21,267363	2,3944588	3,4756808	2,7027595	2,5331311	0,043694	536,44745
19-12-2019 0:00	19:09:00	21,661757	21,267363	2,3987992	3,4756808	2,7013152	2,5366275	0,0439351	536,44745
19-12-2019 0:00	19:10:00	21,66969	21,267363	2,3987992	3,4829216	2,7013152	2,5366275	0,0439351	536,44745
19-12-2019 0:00	19:11:00	21,66969	21,293404	2,3987992	3,485094	2,6981013	2,5400033	0,0439351	536,44745
19-12-2019 0:00	19:12:00	21,677711	21,293404	2,402416	3,485094	2,6999867	2,5400033	0,0440557	536,18884
19-12-2019 0:00	19:13:00	21,677711	21,293404	2,402416	3,485094	2,6982734	2,5400033	0,0440557	536,18884
19-12-2019 0:00	19:14:00	21,677711	21,293404	2,402416	3,4825597	2,7015345	2,5400033	0,0440557	536,18884
19-12-2019 0:00	19:15:00	21,68399	21,293404	2,402416	3,45613	2,7009773	2,5400033	0,0440557	535,9773



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	350,78	542,50	255,48	226,27	259,53	21,23	21,10	30,96
DESV EST	0,28	0,27	0,22	0,15	0,15	0,15	0,15	0,15
DESV EST %	0,0008	0,0005	0,0009	0,0007	0,0006	0,0070	0,0071	0,0050
MAX	351,30	542,77	255,80	226,56	259,80	21,52	21,39	31,24
MIN	350,20	541,95	255,00	226,05	259,00	20,98	20,84	30,68

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	18:15:00	350,60004	542,4895	255	226,56248	259	21,520544	21,317997	31,240957
19-12-2019 0:00	18:16:00	350,60004	542,4895	255	226,56248	259,2	21,520544	21,386719	31,201172
19-12-2019 0:00	18:17:00	350,8	542,4895	255,20001	226,56248	259,2	21,457249	21,332464	31,210213
19-12-2019 0:00	18:18:00	350,8	542,4895	255,20001	226,56248	259,40002	21,457249	21,332464	31,172235
19-12-2019 0:00	18:19:00	350,8	542,4895	255,20001	226,41058	259,40002	21,457249	21,312572	31,116175
19-12-2019 0:00	18:20:00	350,8	542,4895	255,29999	226,41058	259,40002	21,381292	21,252893	31,087238
19-12-2019 0:00	18:21:00	350,8	542,4895	255,29999	226,41058	259,40002	21,381292	21,252893	31,087238
19-12-2019 0:00	18:22:00	350,7	542,4895	255,29999	226,41058	259,40002	21,381292	21,252893	31,065538
19-12-2019 0:00	18:23:00	350,7	542,4895	255,29999	226,41058	259,40002	21,325232	21,204065	31,025751
19-12-2019 0:00	18:24:00	350,7	542,4895	255,29999	226,41058	259,40002	21,325232	21,204065	31,080006
19-12-2019 0:00	18:25:00	350,7	542,7716	255,29999	226,41058	259,40002	21,325232	21,204065	30,9932
19-12-2019 0:00	18:26:00	350,8	542,7716	255,40002	226,41058	259,5	21,325232	21,133535	30,978733
19-12-2019 0:00	18:27:00	350,8	542,7716	255,40002	226,41058	259,5	21,24385	21,133535	30,964264
19-12-2019 0:00	18:28:00	350,8	542,7716	255,40002	226,41058	259,5	21,24385	21,133535	30,975115
19-12-2019 0:00	18:29:00	350,8	542,7716	255,40002	226,41058	259,5	21,261936	21,133535	30,9932
19-12-2019 0:00	18:30:00	350,8	542,7716	255,40002	226,31293	259,5	21,261936	21,133535	31,009476
19-12-2019 0:00	18:31:00	350,8	542,7716	255,60004	226,31293	259,60004	21,308954	21,20949	31,009476
19-12-2019 0:00	18:32:00	351	542,7716	255,60004	226,31293	259,60004	21,308954	21,20949	31,092665
19-12-2019 0:00	18:33:00	351	542,7716	255,60004	226,31293	259,60004	21,354166	21,20949	31,096281
19-12-2019 0:00	18:34:00	351	542,7716	255,60004	226,31293	259,60004	21,354166	21,29087	31,123407
19-12-2019 0:00	18:35:00	351,3	542,7716	255,79999	226,31293	259,60004	21,3614	21,272785	31,141493
19-12-2019 0:00	18:36:00	351,3	542,7716	255,79999	226,31293	259,60004	21,3614	21,272785	31,123407
19-12-2019 0:00	18:37:00	351,3	542,7716	255,79999	226,31293	259,7	21,30353	21,191406	31,123407
19-12-2019 0:00	18:38:00	351,3	542,7716	255,79999	226,31293	259,7	21,30353	21,191406	31,107132
19-12-2019 0:00	18:39:00	351,2	542,7716	255,79999	226,31293	259,7	21,30353	21,191406	31,045645
19-12-2019 0:00	18:40:00	351,2	542,7716	255,79999	226,31293	259,7	21,30353	21,122684	31,025751
19-12-2019 0:00	18:41:00	351,2	542,7716	255,79999	226,31293	259,8	21,28002	21,108217	31,025751
19-12-2019 0:00	18:42:00	351,2	542,7716	255,79999	226,31293	259,8	21,28002	21,18598	31,025751
19-12-2019 0:00	18:43:00	351,2	542,7716	255,79999	226,31293	259,8	21,28002	21,18598	31,054688
19-12-2019 0:00	18:44:00	351,2	542,7716	255,79999	226,31293	259,8	21,28002	21,16247	31,080006
19-12-2019 0:00	18:45:00	351,2	542,7716	255,79999	226,31293	259,8	21,307146	21,16247	31,080006
19-12-2019 0:00	18:46:00	350,90002	542,7716	255,79999	226,31293	259,8	21,307146	21,16247	31,080006
19-12-2019 0:00	18:47:00	350,90002	542,7716	255,79999	226,31293	259,60004	21,305338	21,16247	31,045645
19-12-2019 0:00	18:48:00	350,90002	542,41895	255,79999	226,31293	259,60004	21,305338	21,16247	31,045645
19-12-2019 0:00	18:49:00	350,60004	542,41895	255,79999	226,31293	259,60004	21,260126	21,08109	31,000433
19-12-2019 0:00	18:50:00	350,60004	542,41895	255,40002	226,31293	259,60004	21,260126	21,08109	30,917244



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	350,78	542,50	255,48	226,27	259,53	21,23	21,10	30,96
DESV EST	0,28	0,27	0,22	0,15	0,15	0,15	0,15	0,15
DESV EST %	0,0008	0,0005	0,0009	0,0007	0,0006	0,0070	0,0071	0,0050
MAX	351,30	542,77	255,80	226,56	259,80	21,52	21,39	31,24
MIN	350,20	541,95	255,00	226,05	259,00	20,98	20,84	30,68

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	18:51:00	350,60004	542,41895	255,40002	226,31293	259,60004	21,200449	21,08109	30,866608
19-12-2019 0:00	18:52:00	350,60004	542,41895	255,40002	226,31293	259,60004	21,169704	21,005136	30,866608
19-12-2019 0:00	18:53:00	350,60004	542,41895	255,40002	226,31293	259,5	21,169704	21,005136	30,861183
19-12-2019 0:00	18:54:00	350,40002	542,41895	255,40002	226,31293	259,5	21,144386	21,005136	30,857567
19-12-2019 0:00	18:55:00	350,40002	542,41895	255,40002	226,21527	259,5	21,144386	21,005136	30,873842
19-12-2019 0:00	18:56:00	350,2	542,0193	255,40002	226,21527	259,5	21,144386	21,03588	30,891926
19-12-2019 0:00	18:57:00	350,2	542,0193	255,40002	226,21527	259,40002	21,182364	21,03588	30,908203
19-12-2019 0:00	18:58:00	350,2	542,0193	255,29999	226,21527	259,40002	21,182364	21,03588	30,890118
19-12-2019 0:00	18:59:00	350,40002	542,0193	255,29999	226,21527	259,40002	21,15162	21,03588	30,87565
19-12-2019 0:00	19:00:00	350,40002	542,0193	255,29999	226,21527	259,40002	21,15162	21,03588	30,821398
19-12-2019 0:00	19:01:00	350,40002	542,0193	255,29999	226,0525	259,40002	21,090134	20,950882	30,790653
19-12-2019 0:00	19:02:00	350,40002	542,0193	255,29999	226,0525	259,40002	21,090134	20,950882	30,7581
19-12-2019 0:00	19:03:00	350,40002	542,0193	255,29999	226,0525	259,40002	21,028645	20,887587	30,716507
19-12-2019 0:00	19:04:00	350,60004	542,41895	255,29999	226,0525	259,40002	20,983435	20,847801	30,70204
19-12-2019 0:00	19:05:00	350,60004	542,41895	255,29999	226,0525	259,5	21,064814	20,847801	30,70204
19-12-2019 0:00	19:06:00	350,8	542,41895	255,5	226,0525	259,5	20,981627	20,865885	30,718315
19-12-2019 0:00	19:07:00	350,8	542,41895	255,5	226,0525	259,5	20,981627	20,865885	30,716507
19-12-2019 0:00	19:08:00	350,8	542,41895	255,5	226,0525	259,60004	20,981627	20,865885	30,694805
19-12-2019 0:00	19:09:00	350,8	542,41895	255,5	226,0525	259,60004	20,981627	20,838758	30,682146
19-12-2019 0:00	19:10:00	350,8	542,41895	255,5	226,0525	259,60004	20,981627	20,887587	30,74906
19-12-2019 0:00	19:11:00	350,8	542,41895	255,5	226,0525	259,60004	20,981627	20,887587	30,765335
19-12-2019 0:00	19:12:00	350,8	542,41895	255,5	226,0525	259,60004	21,001518	20,887587	30,797888
19-12-2019 0:00	19:13:00	350,8	542,41895	255,5	226,0525	259,60004	21,001518	20,934607	30,810547
19-12-2019 0:00	19:14:00	350,8	541,9488	255,5	226,0525	259,60004	21,028645	20,880352	30,774378
19-12-2019 0:00	19:15:00	350,7	541,9488	255,5	226,0525	259,60004	21,028645	20,880352	30,745441



DATOS	61	61	61	61	61	61	61
PROMEDIO	30,32	78,63	145,29	34,78	23,81	0,15	18,66
DESV EST	0,17	0,79	0,33	0,13	0,09	0,02	0,14
DESV EST %	0,0056	0,0100	0,0023	0,0039	0,0038	0,1192	0,0077
MAX	30,61	80,09	145,89	35,03	23,91	0,17	18,90
MIN	30,01	77,07	144,78	34,52	23,69	0,13	18,41

Date	Time	T CW D/S CONDR LNE2 10PAB32CT001  XQ01 °C	TEMP U/S COND P/HTR 11LCA20CT002  XQ01 °C	TEMP D/S COND P/HTR 11LCA30CT001  XQ01 °C	T COND TO P/HTR SYST 11LCA20CT001  XQ01 °C	TEMP FG P/HTR INL 11EKT20CT001  XQ01 °C	PRES FG P/HTR INL 2 of 3 11EKT20CP901  XQ01 bar	T FG FG P/HTR OUTL 11EKC20CT001  XQ01 °C	TEMP FW U/S ECON1 11LAB20CT001  XQ01 °C
19-12-2019	0:00 18:15:00	30,613426	78,125	145,43185	35,02604	23,807869	0,1701348	18,807869	149,75043
19-12-2019	0:00 18:16:00	30,593533	78,125	145,43185	35,02604	23,807869	0,1701348	18,807869	149,75043
19-12-2019	0:00 18:17:00	30,591724	78,125	145,30165	35,02604	23,807869	0,1701348	18,900463	149,75043
19-12-2019	0:00 18:18:00	30,557364	77,604164	145,204	34,90668	23,807869	0,1701348	18,900463	149,75043
19-12-2019	0:00 18:19:00	30,512152	77,604164	145,204	34,90668	23,807869	0,1701348	18,900463	149,68532
19-12-2019	0:00 18:20:00	30,495876	77,604164	145,10634	34,90668	23,807869	0,1701348	18,761574	149,73958
19-12-2019	0:00 18:21:00	30,486834	78,53732	144,99782	34,90668	23,807869	0,1701348	18,761574	149,69618
19-12-2019	0:00 18:22:00	30,439814	78,53732	144,88931	34,950085	23,807869	0,1701348	18,807869	149,69618
19-12-2019	0:00 18:23:00	30,428963	78,34201	144,7808	34,950085	23,807869	0,1701348	18,807869	149,63107
19-12-2019	0:00 18:24:00	30,419922	77,452255	144,7808	34,950085	23,807869	0,1701348	18,807869	149,55511
19-12-2019	0:00 18:25:00	30,392796	77,452255	144,7808	34,85243	23,807869	0,1701348	18,807869	149,60938
19-12-2019	0:00 18:26:00	30,378326	78,78689	144,87846	34,85243	23,807869	0,1699942	18,807869	149,68532
19-12-2019	0:00 18:27:00	30,354816	78,78689	144,87846	34,85243	23,807869	0,1356337	18,807869	149,54427
19-12-2019	0:00 18:28:00	30,376518	78,78689	144,97612	34,85243	23,807869	0,1355493	18,807869	149,54427
19-12-2019	0:00 18:29:00	30,390985	78,78689	144,97612	34,85243	23,807869	0,1355493	18,807869	149,54427
19-12-2019	0:00 18:30:00	30,37471	78,78689	144,97612	34,85243	23,807869	0,1699943	18,807869	149,54427
19-12-2019	0:00 18:31:00	30,414495	78,78689	145,03038	34,85243	23,807869	0,1699943	18,72685	149,57681
19-12-2019	0:00 18:32:00	30,441624	78,78689	145,12804	34,85243	23,807869	0,1717961	18,72685	149,65277
19-12-2019	0:00 18:33:00	30,450665	78,78689	145,12804	34,798176	23,807869	0,1717961	18,72685	149,65277
19-12-2019	0:00 18:34:00	30,450665	78,78689	145,204	34,798176	23,807869	0,1717961	18,72685	149,65277
19-12-2019	0:00 18:35:00	30,50311	78,78689	145,204	34,798176	23,912037	0,1718027	18,761574	149,71788
19-12-2019	0:00 18:36:00	30,490452	78,78689	145,32335	34,798176	23,912037	0,1718027	18,761574	149,79384
19-12-2019	0:00 18:37:00	30,466942	78,78689	145,421	34,798176	23,912037	0,1718027	18,761574	149,84808
19-12-2019	0:00 18:38:00	30,474174	78,78689	145,421	34,798176	23,912037	0,1718027	18,761574	149,84808
19-12-2019	0:00 18:39:00	30,450665	78,78689	145,52951	34,798176	23,912037	0,169998	18,761574	149,90234
19-12-2019	0:00 18:40:00	30,439814	79,937065	145,52951	34,830727	23,912037	0,169998	18,703703	149,90234
19-12-2019	0:00 18:41:00	30,403645	79,937065	145,52951	34,830727	23,912037	0,169998	18,703703	149,93489
19-12-2019	0:00 18:42:00	30,42173	79,18836	145,68141	34,830727	23,912037	0,169998	18,703703	149,95659
19-12-2019	0:00 18:43:00	30,438005	79,18836	145,63802	34,830727	23,912037	0,169998	18,703703	149,9132
19-12-2019	0:00 18:44:00	30,436197	79,18836	145,73567	34,830727	23,912037	0,169998	18,703703	149,96744
19-12-2019	0:00 18:45:00	30,419922	79,18836	145,73567	34,830727	23,912037	0,1717779	18,703703	150,0217
19-12-2019	0:00 18:46:00	30,438005	79,18836	145,78993	34,830727	23,912037	0,1692708	18,703703	150,0217
19-12-2019	0:00 18:47:00	30,41088	80,088974	145,88759	34,830727	23,912037	0,1612727	18,703703	150,0217
19-12-2019	0:00 18:48:00	30,38737	78,86285	145,86588	34,830727	23,912037	0,1612727	18,703703	150,0217
19-12-2019	0:00 18:49:00	30,356627	78,86285	145,86588	34,85243	23,912037	0,1338264	18,703703	150,0217
19-12-2019	0:00 18:50:00	30,29514	78,86285	145,63802	34,85243	23,912037	0,1682166	18,668982	150,0217



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	30,32	78,63	145,29	34,78	23,81	0,15	18,66	149,84
DESV EST	0,17	0,79	0,33	0,13	0,09	0,02	0,14	0,15
DESV EST %	0,0056	0,0100	0,0023	0,0039	0,0038	0,1192	0,0077	0,0010
MAX	30,61	80,09	145,89	35,03	23,91	0,17	18,90	150,04
MIN	30,01	77,07	144,78	34,52	23,69	0,13	18,41	149,54

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	18:51:00	30,249928	78,2552	145,54036	34,85243	23,912037	0,1338252	18,668982	150,0434
19-12-2019 0:00	18:52:00	30,175781	77,07248	145,3993	34,85243	23,912037	0,1338252	18,668982	150,0434
19-12-2019 0:00	18:53:00	30,173973	77,83203	145,30165	34,798176	23,912037	0,1338252	18,576387	149,98915
19-12-2019 0:00	18:54:00	30,193865	77,61501	145,30165	34,798176	23,912037	0,1338252	18,576387	149,98915
19-12-2019 0:00	18:55:00	30,175781	77,61501	145,204	34,73307	23,912037	0,1338252	18,576387	149,95659
19-12-2019 0:00	18:56:00	30,240885	77,61501	145,204	34,73307	23,912037	0,1338252	18,576387	149,95659
19-12-2019 0:00	18:57:00	30,25716	77,61501	145,10634	34,66797	23,69213	0,1338252	18,576387	149,92404
19-12-2019 0:00	18:58:00	30,228226	77,61501	144,99782	34,66797	23,69213	0,1338252	18,576387	149,92404
19-12-2019 0:00	18:59:00	30,21195	77,61501	144,99782	34,66797	23,69213	0,1338252	18,576387	149,9132
19-12-2019 0:00	19:00:00	30,179398	77,61501	144,94357	34,66797	23,69213	0,1338252	18,576387	149,85893
19-12-2019 0:00	19:01:00	30,159504	77,61501	144,87846	34,66797	23,69213	0,1338252	18,518518	149,96744
19-12-2019 0:00	19:02:00	30,092592	79,155815	144,87846	34,66797	23,69213	0,1338252	18,518518	149,88063
19-12-2019 0:00	19:03:00	30,069082	79,155815	144,87846	34,613712	23,69213	0,1338252	18,518518	149,96744
19-12-2019 0:00	19:04:00	30,005787	77,821175	144,94357	34,613712	23,69213	0,1338252	18,518518	149,9132
19-12-2019 0:00	19:05:00	30,038338	79,383675	144,94357	34,613712	23,69213	0,1338252	18,518518	149,9132
19-12-2019 0:00	19:06:00	30,038338	80,023865	145,05208	34,613712	23,69213	0,1338252	18,518518	149,9132
19-12-2019 0:00	19:07:00	30,07089	80,023865	145,18228	34,613712	23,69213	0,1338252	18,41435	149,9132
19-12-2019 0:00	19:08:00	30,038338	80,023865	145,41016	34,613712	23,69213	0,1338252	18,41435	149,88063
19-12-2019 0:00	19:09:00	30,043764	80,023865	145,50781	34,613712	23,69213	0,1320168	18,41435	149,88063
19-12-2019 0:00	19:10:00	30,085358	79,56814	145,50781	34,516056	23,69213	0,1320168	18,41435	149,88063
19-12-2019 0:00	19:11:00	30,10706	79,56814	145,72482	34,516056	23,69213	0,1338229	18,41435	149,92404
19-12-2019 0:00	19:12:00	30,139612	78,667534	145,72482	34,516056	23,69213	0,1338229	18,41435	149,96744
19-12-2019 0:00	19:13:00	30,148655	78,667534	145,72482	34,516056	23,69213	0,1338229	18,41435	149,96744
19-12-2019 0:00	19:14:00	30,132378	78,667534	145,72482	34,516056	23,69213	0,1338229	18,41435	149,96744
19-12-2019 0:00	19:15:00	30,13057	78,667534	145,72482	34,55946	23,69213	0,1338229	18,41435	149,96744



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,88	137,03	5,21	23,71	-	96,56	10,45	5,40
DESV EST	0,13	0,32	0,00	0,80	0,00	0,41	0,03	0,03
DESV EST %	0,0009	0,0023	0,0002	0,0338	#¡DIV/0!	0,0043	0,0031	0,0060
MAX	149,07	137,62	5,21	24,89	0,00	97,71	10,51	5,48
MIN	148,67	136,52	5,21	22,32	0,00	95,33	10,41	5,33

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01	11LCA31CT002  XQ01	11HHG10CP901  XQ01	11HHG10CT901  XQ01	11HHG10CF901  XQ01	10MKA01CE003A  XQ01	10MKA01CE001A  XQ01	10MKA01CE002A  XQ01
		°C	°C	bar	°C	KG/S	MW	kV	kA
19-12-2019 0:00	18:15:00	148,81728	137,29384	5,205408	24,886162	0	96,529945	10,430375	5,455042
19-12-2019 0:00	18:16:00	148,81728	137,29384	5,205408	24,886162	0	96,76432	10,420031	5,409686
19-12-2019 0:00	18:17:00	148,81728	137,29384	5,205408	24,886162	0	96,25651	10,420031	5,4196324
19-12-2019 0:00	18:18:00	148,81728	137,29384	5,205408	24,660889	0	96,555984	10,420031	5,4729457
19-12-2019 0:00	18:19:00	148,81728	137,29384	5,205408	24,660889	0	96,67969	10,429435	5,402127
19-12-2019 0:00	18:20:00	148,81728	136,95746	5,205408	24,660889	0	96,30208	10,429435	5,402127
19-12-2019 0:00	18:21:00	148,81728	136,95746	5,205408	24,660889	0	96,32161	10,429435	5,348416
19-12-2019 0:00	18:22:00	148,81728	136,95746	5,205408	24,660889	0	96,81641	10,429435	5,403718
19-12-2019 0:00	18:23:00	148,81728	136,95746	5,205408	24,660889	0	97,14192	10,429435	5,401331
19-12-2019 0:00	18:24:00	148,81728	136,61024	5,205408	24,660889	0	96,34114	10,429435	5,433955
19-12-2019 0:00	18:25:00	148,81728	136,61024	5,205408	24,500315	0	96,51692	10,429435	5,4029226
19-12-2019 0:00	18:26:00	148,81728	136,61024	5,205408	24,500315	0	97,70833	10,429435	5,4076967
19-12-2019 0:00	18:27:00	148,66536	136,61024	5,205408	24,500315	0	96,26953	10,407805	5,420826
19-12-2019 0:00	18:28:00	148,66536	136,80556	5,205408	24,500315	0	96,9401	10,428024	5,4570312
19-12-2019 0:00	18:29:00	148,66536	136,80556	5,205408	24,500315	0	96,875	10,428024	5,406105
19-12-2019 0:00	18:30:00	148,66536	137,15277	5,205408	24,500315	0	96,45833	10,428024	5,426794
19-12-2019 0:00	18:31:00	148,66536	137,15277	5,205408	24,500315	0	96,52344	10,428024	5,4029226
19-12-2019 0:00	18:32:00	148,66536	137,15277	5,205408	24,500315	0	96,88151	10,428024	5,4029226
19-12-2019 0:00	18:33:00	148,66536	137,15277	5,205408	24,297052	0	96,419266	10,428024	5,412869
19-12-2019 0:00	18:34:00	148,66536	136,94661	5,205408	24,297052	0	96,94661	10,428024	5,4049115
19-12-2019 0:00	18:35:00	148,90407	137,26128	5,2072525	24,297052	0	96,89453	10,428024	5,423213
19-12-2019 0:00	18:36:00	148,90407	137,26128	5,2072525	24,297052	0	96,60156	10,428024	5,4049115
19-12-2019 0:00	18:37:00	148,90407	137,26128	5,2072525	24,297052	0	96,91406	10,428024	5,4220195
19-12-2019 0:00	18:38:00	148,90407	137,26128	5,2072525	24,081171	0	96,76432	10,428024	5,4001374
19-12-2019 0:00	18:39:00	148,90407	137,26128	5,2072525	24,081171	0	96,50391	10,428024	5,4196324
19-12-2019 0:00	18:40:00	148,90407	137,26128	5,2072525	24,081171	0	96,79036	10,428024	5,406901
19-12-2019 0:00	18:41:00	148,90407	137,26128	5,2072525	24,081171	0	96,88151	10,408276	5,4053097
19-12-2019 0:00	18:42:00	148,90407	137,26128	5,2072525	23,864536	0	96,888016	10,436487	5,4196324
19-12-2019 0:00	18:43:00	149,06683	137,26128	5,2072525	23,864536	0	96,56901	10,436487	5,4112773
19-12-2019 0:00	18:44:00	149,06683	137,26128	5,2072525	23,864536	0	97,16797	10,436487	5,384223
19-12-2019 0:00	18:45:00	149,06683	136,64279	5,2072525	23,864536	0	97,513016	10,427554	5,3961587
19-12-2019 0:00	18:46:00	149,06683	136,64279	5,2072525	23,596931	0	97,11588	10,427554	5,3961587
19-12-2019 0:00	18:47:00	149,06683	137,27213	5,2072525	23,596931	0	96,63411	10,427554	5,3961587
19-12-2019 0:00	18:48:00	149,06683	137,27213	5,2072525	23,596931	0	96,6276	10,427554	5,3889976
19-12-2019 0:00	18:49:00	149,06683	137,55424	5,2072525	23,596931	0	96,419266	10,427554	5,3838253
19-12-2019 0:00	18:50:00	149,06683	137,55424	5,2072525	23,596931	0	96,0026	10,427554	5,350007



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,88	137,03	5,21	23,71	-	96,56	10,45	5,40
DESV EST	0,13	0,32	0,00	0,80	0,00	0,41	0,03	0,03
DESV EST %	0,0009	0,0023	0,0002	0,0338	#iDIV/0!	0,0043	0,0031	0,0060
MAX	149,07	137,62	5,21	24,89	0,00	97,71	10,51	5,48
MIN	148,67	136,52	5,21	22,32	0,00	95,33	10,41	5,33

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 1OF2	TEMP U/S FG C-V 1OF2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	18:51:00	149,06683	137,55424	5,2072525	23,332384	0	96,015625	10,472222	5,4192348
19-12-2019 0:00	18:52:00	149,06683	137,36978	5,2072525	23,332384	0	96,49088	10,472222	5,355975
19-12-2019 0:00	18:53:00	149,06683	137,01172	5,2072525	23,332384	0	96,14583	10,472222	5,387406
19-12-2019 0:00	18:54:00	149,06683	137,01172	5,2072525	23,332384	0	96,328125	10,472222	5,387406
19-12-2019 0:00	18:55:00	149,06683	137,01172	5,2072525	23,332384	0	96,47135	10,472222	5,3858147
19-12-2019 0:00	18:56:00	149,06683	137,01172	5,2072525	23,09703	0	95,325516	10,472222	5,3858147
19-12-2019 0:00	18:57:00	148,94748	137,01172	5,2072525	23,09703	0	96,00911	10,472222	5,3802443
19-12-2019 0:00	18:58:00	148,94748	137,01172	5,2072525	23,09703	0	95,99609	10,472222	5,3551793
19-12-2019 0:00	18:59:00	148,94748	136,7513	5,2072525	23,09703	0	96,45182	10,472222	5,355577
19-12-2019 0:00	19:00:00	148,94748	136,7513	5,2072525	22,866709	0	96,30859	10,472222	5,383427
19-12-2019 0:00	19:01:00	148,94748	136,52344	5,2072525	22,866709	0	95,97005	10,472222	5,3265333
19-12-2019 0:00	19:02:00	148,94748	136,52344	5,2072525	22,866709	0	95,94401	10,472222	5,392976
19-12-2019 0:00	19:03:00	148,94748	136,52344	5,2072525	22,866709	0	96,04817	10,472222	5,387406
19-12-2019 0:00	19:04:00	148,94748	136,52344	5,2072525	22,866709	0	96,28906	10,472222	5,350405
19-12-2019 0:00	19:05:00	148,81728	136,52344	5,2072525	22,669899	0	96,23698	10,472222	5,3790507
19-12-2019 0:00	19:06:00	148,81728	136,52344	5,2072525	22,669899	0	96,56901	10,472222	5,3790507
19-12-2019 0:00	19:07:00	148,81728	136,52344	5,2072525	22,669899	0	97,16797	10,472222	5,3993416
19-12-2019 0:00	19:08:00	148,81728	136,7296	5,2072525	22,669899	0	96,53645	10,51454	5,420826
19-12-2019 0:00	19:09:00	148,81728	136,7296	5,2072525	22,669899	0	96,30208	10,51454	5,412869
19-12-2019 0:00	19:10:00	148,81728	137,02257	5,2072525	22,488012	0	96,52344	10,51454	5,350405
19-12-2019 0:00	19:11:00	148,81728	137,20703	5,2072525	22,488012	0	96,46484	10,51454	5,403718
19-12-2019 0:00	19:12:00	148,81728	137,20703	5,2072525	22,488012	0	97,27864	10,51454	5,471752
19-12-2019 0:00	19:13:00	148,81728	137,61935	5,2072525	22,488012	0	96,25651	10,51454	5,451859
19-12-2019 0:00	19:14:00	148,81728	137,61935	5,2072525	22,488012	0	96,51692	10,51454	5,4789133
19-12-2019 0:00	19:15:00	148,81728	137,00087	5,2072525	22,315876	0	96,95963	10,51454	5,483688





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,45	5,43	0,98	538,30	2,66	6,62	285,01	94,24
DESV EST	0,03	0,04	0,01	9,89	2,00	0,02	2,14	0,59
DESV EST %	0,0061	0,0066	0,0059	0,0184	0,7526	0,0029	0,0075	0,0062
MAX	5,53	5,55	0,99	572,36	18,04	6,66	288,19	96,85
MIN	5,37	5,36	0,96	521,00	2,34	6,60	279,24	93,30

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	18:15:00	5,4669776	5,424009	0,9815674	537,59766	2,3940394	6,6121926	280,49045	93,8572
19-12-2019 0:00	18:16:00	5,4534507	5,460612	0,9815674	541,60156	2,3649738	6,6090493	283,63718	96,852425
19-12-2019 0:00	18:17:00	5,4618053	5,4248047	0,9841309	540,03906	2,4391203	6,6121926	284,45096	94,789314
19-12-2019 0:00	18:18:00	5,5214844	5,4964194	0,9841309	532,71484	2,3993778	6,6090493	284,72223	94,55612
19-12-2019 0:00	18:19:00	5,448676	5,426794	0,9841309	533,8867	2,3993778	6,6119065	284,45096	94,298004
19-12-2019 0:00	18:20:00	5,4614077	5,423213	0,987854	527,34375	2,3940394	6,609335	281,8468	94,48333
19-12-2019 0:00	18:21:00	5,415256	5,42003	0,987854	528,3203	2,4035301	6,6119065	283,09464	93,90454
19-12-2019 0:00	18:22:00	5,4534507	5,412869	0,987854	533,39844	2,3887007	6,608192	282,00955	94,90191
19-12-2019 0:00	18:23:00	5,4271917	5,4192348	0,9866943	535,9375	2,3887007	6,6096206	285,37326	94,86869
19-12-2019 0:00	18:24:00	5,47772	5,418041	0,9866943	535,7422	2,4391203	6,6096206	284,0712	95,03259
19-12-2019 0:00	18:25:00	5,4618053	5,4132667	0,9866943	532,4219	2,386328	6,6096206	281,73828	94,20694
19-12-2019 0:00	18:26:00	5,4538484	5,4029226	0,9866943	543,2617	2,3881075	6,6110497	285,8073	94,06371
19-12-2019 0:00	18:27:00	5,474537	5,474935	0,9800415	539,0625	2,37921	6,6110497	280,65323	94,6195
19-12-2019 0:00	18:28:00	5,4872684	5,463397	0,9841309	537,20703	2,3934462	6,608478	281,57553	95,07419
19-12-2019 0:00	18:29:00	5,4506655	5,429181	0,9841309	535,7422	2,3975983	6,6067634	283,31165	94,41584
19-12-2019 0:00	18:30:00	5,474537	5,426794	0,9841309	529,0039	2,3370948	6,6119065	279,83942	93,304436
19-12-2019 0:00	18:31:00	5,4514613	5,426794	0,9841309	538,08594	2,340654	6,613907	279,24265	94,88766
19-12-2019 0:00	18:32:00	5,460612	5,426794	0,986084	535,83984	2,4005642	6,6107635	282,28082	94,80713
19-12-2019 0:00	18:33:00	5,4693646	5,429977	0,986084	533,39844	2,4005642	6,6079063	283,63718	94,46915
19-12-2019 0:00	18:34:00	5,4514613	5,4375362	0,986084	536,3281	2,4575086	6,613621	286,6211	94,43474
19-12-2019 0:00	18:35:00	5,4514613	5,410084	0,986084	533,39844	2,3507378	6,6107635	285,6988	94,41818
19-12-2019 0:00	18:36:00	5,4586225	5,4427085	0,986084	533,9844	2,3952255	6,6079063	282,82336	94,41589
19-12-2019 0:00	18:37:00	5,445493	5,4132667	0,986084	533,78906	2,382176	6,6056204	285,64453	94,49221
19-12-2019 0:00	18:38:00	5,4287834	5,482892	0,986084	538,1836	2,4260705	6,608192	287,0009	95,067406
19-12-2019 0:00	18:39:00	5,4793115	5,4653864	0,986084	536,8164	2,368533	6,616764	285,9158	94,94317
19-12-2019 0:00	18:40:00	5,4813004	5,4196324	0,986084	534,96094	2,417173	6,607049	287,70618	94,546616
19-12-2019 0:00	18:41:00	5,4570312	5,480505	0,986084	531,83594	2,448611	6,612764	285,48178	94,079575
19-12-2019 0:00	18:42:00	5,4673758	5,4538484	0,986084	538,6719	2,4242911	6,6090493	285,42752	94,17491
19-12-2019 0:00	18:43:00	5,452655	5,429579	0,986084	531,7383	2,4118345	6,6090493	284,9935	94,47864
19-12-2019 0:00	18:44:00	5,4466867	5,425998	0,9885864	527,6367	2,4189525	6,6090493	285,48178	94,48573
19-12-2019 0:00	18:45:00	5,4466867	5,421224	0,9885864	530,95703	2,399971	6,6090493	284,88498	94,144165
19-12-2019 0:00	18:46:00	5,4466867	5,421224	0,9885864	534,96094	2,399971	6,6053348	286,2956	94,437645
19-12-2019 0:00	18:47:00	5,398944	5,421224	0,9849854	533,2031	2,4059026	6,6021914	284,83075	94,462555
19-12-2019 0:00	18:48:00	5,426794	5,410084	0,9885254	529,2969	2,4059026	6,6124783	286,5126	94,18083
19-12-2019 0:00	18:49:00	5,416052	5,4029226	0,9885254	525,8789	2,3934462	6,6067634	285,64453	93,91687
19-12-2019 0:00	18:50:00	5,370298	5,3882017	0,9885254	520,9961	2,4302227	6,608478	287,70618	93,921555



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,45	5,43	0,98	538,30	2,66	6,62	285,01	94,24
DESV EST	0,03	0,04	0,01	9,89	2,00	0,02	2,14	0,59
DESV EST %	0,0061	0,0066	0,0059	0,0184	0,7526	0,0029	0,0075	0,0062
MAX	5,53	5,55	0,99	572,36	18,04	6,66	288,19	96,85
MIN	5,37	5,36	0,96	521,00	2,34	6,60	279,24	93,30

Date	Time	GEN CURRENT L2	GEN CURRENT L3	ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	18:51:00	5,4848814	5,459816	0,9780273	543,75	2,3887007	6,637051	286,6211	93,80674
19-12-2019 0:00	18:52:00	5,4033203	5,416847	0,9780273	538,08594	2,4266636	6,63848	287,0009	93,65588
19-12-2019 0:00	18:53:00	5,4108796	5,416847	0,9815674	540,1367	2,4242911	6,631908	285,97006	93,50904
19-12-2019 0:00	18:54:00	5,4319663	5,4140625	0,9815674	538,76953	2,3875144	6,6407657	284,61374	93,362946
19-12-2019 0:00	18:55:00	5,429181	5,4140625	0,9788208	541,7969	2,4159865	6,6333365	284,0712	93,8749
19-12-2019 0:00	18:56:00	5,429977	5,401331	0,980957	533,4961	2,3934462	6,6367655	284,55948	93,89142
19-12-2019 0:00	18:57:00	5,4088902	5,4140625	0,980957	539,5508	2,4646266	6,6367655	287,05515	93,58838
19-12-2019 0:00	18:58:00	5,416847	5,4112773	0,980957	540,33203	2,3875144	6,6367655	285,8073	93,63994
19-12-2019 0:00	18:59:00	5,415256	5,4112773	0,980957	539,64844	2,4331887	6,6367655	284,66797	93,353424
19-12-2019 0:00	19:00:00	5,462999	5,4112773	0,980957	541,1133	2,4331887	6,6390514	285,2105	93,5055
19-12-2019 0:00	19:01:00	5,3961587	5,359158	0,980957	536,3281	2,4112413	6,638194	286,34982	93,600174
19-12-2019 0:00	19:02:00	5,463397	5,394965	0,9829102	533,2031	2,4064958	6,634194	287,97745	93,84522
19-12-2019 0:00	19:03:00	5,424009	5,4140625	0,9829102	538,3789	2,4064958	6,6347656	288,08594	93,61559
19-12-2019 0:00	19:04:00	5,4188366	5,404116	0,9829102	532,91016	2,3993778	6,639337	284,9935	93,574135
19-12-2019 0:00	19:05:00	5,421224	5,407299	0,9851074	530,5664	18,039524	6,6350513	287,10938	93,67425
19-12-2019 0:00	19:06:00	5,416052	5,4053097	0,9851074	537,40234	2,4153934	6,6367655	284,66797	93,963005
19-12-2019 0:00	19:07:00	5,4196324	5,394965	0,9851074	535,9375	2,4153934	6,6367655	284,55948	94,50924
19-12-2019 0:00	19:08:00	5,4848814	5,4669776	0,9742432	551,5625	2,4213252	6,661053	286,5126	94,41873
19-12-2019 0:00	19:09:00	5,454644	5,403718	0,9742432	546,875	2,4213252	6,6647677	287,54343	93,861176
19-12-2019 0:00	19:10:00	5,420826	5,384223	0,9786987	546,1914	2,4213252	6,66191	284,0712	93,56357
19-12-2019 0:00	19:11:00	5,4685693	5,465784	0,9786987	551,26953	2,3667533	6,656767	286,6211	94,756714
19-12-2019 0:00	19:12:00	5,4816985	5,5509257	0,9660034	570,89844	2,397005	6,659053	287,4349	94,10144
19-12-2019 0:00	19:13:00	5,5322266	5,5051723	0,9660034	567,1875	2,4124277	6,661339	288,19446	94,10981
19-12-2019 0:00	19:14:00	5,52228	5,4948277	0,9642334	565,03906	2,4474247	6,661339	287,97745	94,08792
19-12-2019 0:00	19:15:00	5,5346136	5,5362053	0,9642334	572,3633	2,3679397	6,661339	287,16364	94,56026



DATOS	61	61	61	61	61	61	61
PROMEDIO	30,13	64,1	20,2	1.007	953,1	12,6	400,7
DESV EST	0,0112	3	0,64	0,1467	0,289	0,02	1,4
DESV EST %	0,0004	0,0437	0,0315	0,0001	0,0003	0,0013	0,0035
MAX	30,16	69,6	21,0	1.007	953,5	12,7	405,1
MIN	30,10	60,12	19,01	1006,25	952,71	12,59	394,53

		NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
Date	Time	11MBP13CP101  XQ01	11UMB10CM001 XQ01 XQ01	11UMB10CT001 XQ01 XQ01	11UMB10CP001 XQ01 XQ01	11MBA11CP101  XQ01	11MBA12CP101  XQ01	11MBM10CP101  XQ01
		bar	%	CEL	hPa	mBar/abs	bar abs	mBar
19-12-2019 0:00	19:45:00	30,104166	61,69705	20,546875	1006,25	952,70544	12,608507	404,07983
19-12-2019 0:00	19:46:00	30,156248	61,056858	20,685764	1006,2934	952,70544	12,637442	405,0781
19-12-2019 0:00	19:47:00	30,12442	60,753036	20,876736	1006,31506	952,70544	12,624783	401,6927
19-12-2019 0:00	19:48:00	30,130207	60,373264	20,917244	1006,31506	952,70544	12,633825	401,6927
19-12-2019 0:00	19:49:00	30,127314	60,12008	20,975113	1006,31506	952,70544	12,615741	401,04166
19-12-2019 0:00	19:50:00	30,1331	60,12008	20,951965	1006,3368	952,70544	12,608507	397,82983
19-12-2019 0:00	19:51:00	30,144674	60,12008	20,847801	1006,40186	952,70544	12,594039	400,60764
19-12-2019 0:00	19:52:00	30,109953	60,49624	20,804398	1006,40186	952,70544	12,641059	400,60764
19-12-2019 0:00	19:53:00	30,144674	60,82176	20,772568	1006,40186	952,70544	12,617549	400,60764
19-12-2019 0:00	19:54:00	30,130207	61,132812	20,818863	1006,4236	952,70544	12,6121235	400,60764
19-12-2019 0:00	19:55:00	30,138887	61,132812	20,787037	1006,4236	952,70544	12,615741	400,0868
19-12-2019 0:00	19:56:00	30,138887	61,910446	20,688656	1006,4236	952,82117	12,615741	400,0868
19-12-2019 0:00	19:57:00	30,135994	61,910446	20,688656	1006,40186	952,82117	12,613932	404,42706
19-12-2019 0:00	19:58:00	30,127314	62,471066	20,56134	1006,4236	952,82117	12,610315	400,65103
19-12-2019 0:00	19:59:00	30,130207	62,471066	20,445602	1006,4236	952,82117	12,610315	400,65103
19-12-2019 0:00	20:00:00	30,14178	62,95211	20,358795	1006,4236	952,82117	12,6284	400,65103
19-12-2019 0:00	20:01:00	30,138887	63,252316	20,283562	1006,4236	952,82117	12,608507	400,65103
19-12-2019 0:00	20:02:00	30,1331	63,5489	20,234375	1006,4236	952,99475	12,594039	400,65103
19-12-2019 0:00	20:03:00	30,109953	63,776764	20,190971	1006,4453	952,99475	12,664569	400,65103
19-12-2019 0:00	20:04:00	30,144674	63,37529	20,341434	1006,4453	952,99475	12,632016	400,65103
19-12-2019 0:00	20:05:00	30,121527	62,539783	20,49479	1006,4453	952,99475	12,624783	400,65103
19-12-2019 0:00	20:06:00	30,144674	62,25405	20,601852	1006,467	952,99475	12,621166	400,65103
19-12-2019 0:00	20:07:00	30,14178	61,838108	20,662613	1006,5321	952,99475	12,621166	400,65103
19-12-2019 0:00	20:08:00	30,121527	62,10576	20,57581	1006,5104	952,99475	12,635633	400,65103
19-12-2019 0:00	20:09:00	30,14178	63,085938	20,379051	1006,5321	952,99475	12,648293	400,65103
19-12-2019 0:00	20:10:00	30,138887	63,96846	20,205437	1006,5321	952,99475	12,624783	400,65103
19-12-2019 0:00	20:11:00	30,130207	64,605034	20,031826	1006,5321	952,99475	12,639251	400,65103
19-12-2019 0:00	20:12:00	30,138887	65,18012	20,069443	1006,55383	952,99475	12,639251	400,65103
19-12-2019 0:00	20:13:00	30,109953	64,63759	20,29514	1006,55383	953,1973	12,622974	400,65103
19-12-2019 0:00	20:14:00	30,138887	63,95399	20,51215	1006,55383	953,1973	12,622974	400,65103
19-12-2019 0:00	20:15:00	30,10706	62,937645	20,70023	1006,5755	953,1973	12,626592	400,43402
19-12-2019 0:00	20:16:00	30,14178	64,16739	20,891201	1006,5755	953,1973	12,613932	400,43402
19-12-2019 0:00	20:17:00	30,1331	64,463974	20,951965	1006,5755	953,1973	12,613932	400,43402
19-12-2019 0:00	20:18:00	30,130207	62,131077	21,032986	1006,5755	953,1973	12,617549	400,82465
19-12-2019 0:00	20:19:00	30,138887	61,639175	21,032986	1006,6189	953,1973	12,668185	400,82465
19-12-2019 0:00	20:20:00	30,127314	61,968315	20,972221	1006,5755	953,1973	12,622974	399,95657



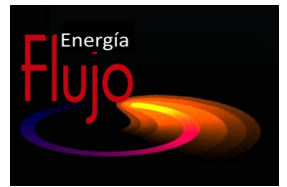
DATOS	61	61	61	61	61	61	61
PROMEDIO	30,13	64,1	20,2	1.007	953,1	12,6	400,7
DESV EST	0,0112	3	0,64	0,1467	0,289	0,02	1,4
DESV EST %	0,0004	0,0437	0,0315	0,0001	0,0003	0,0013	0,0035
MAX	30,16	69,6	21,0	1.007	953,5	12,7	405,1
MIN	30,10	60,12	19,01	1006,25	952,71	12,59	394,53

Date	Time	NG PRES 1 U/STR ESV	HUMEDAD RELATIVA	TEMPERATURA AMBIENTE	PRESION ATMOSFERICA	PRES U/STR COMPR	PRES COMPR OUTLET	DP C-C
		11MBP13CP101  XQ01 bar	11UMB10CM001 XQ01 XQ01 %	11UMB10CT001 XQ01 XQ01 CEL	11UMB10CP001 XQ01 XQ01 hPa	11MBA11CP101  XQ01 mBar/abs	11MBA12CP101  XQ01 bar abs	11MBM10CP101  XQ01 mBar
19-12-2019 0:00	20:21:00	30,118633	61,968315	20,847801	1006,6189	953,1973	12,633825	399,95657
19-12-2019 0:00	20:22:00	30,1331	62,583187	20,706017	1006,5755	953,1973	12,633825	401,56247
19-12-2019 0:00	20:23:00	30,147568	63,585068	20,596062	1006,5755	953,1973	12,633825	399,13193
19-12-2019 0:00	20:24:00	30,135994	63,169125	20,555553	1006,6189	953,1973	12,613932	401,8229
19-12-2019 0:00	20:25:00	30,14178	63,5489	20,3559	1006,6189	953,1973	12,597656	401,47568
19-12-2019 0:00	20:26:00	30,144674	64,49653	20,12442	1006,6189	953,1973	12,610315	399,34894
19-12-2019 0:00	20:27:00	30,135994	65,44777	19,997105	1006,6189	953,1973	12,619357	402,1267
19-12-2019 0:00	20:28:00	30,138887	65,78414	19,809025	1006,684	953,41437	12,624783	398,22046
19-12-2019 0:00	20:29:00	30,14178	66,21094	19,675926	1006,6623	953,41437	12,606698	401,9531
19-12-2019 0:00	20:30:00	30,150461	67,04644	19,539928	1006,684	953,41437	12,6284	400,60764
19-12-2019 0:00	20:31:00	30,135994	67,34664	19,429977	1006,684	953,41437	12,626592	400,60764
19-12-2019 0:00	20:32:00	30,147568	67,853004	19,296875	1006,74915	953,41437	12,615741	400,60764
19-12-2019 0:00	20:33:00	30,12442	68,36299	19,239002	1006,7274	953,41437	12,641059	400,60764
19-12-2019 0:00	20:34:00	30,153355	67,97237	19,366318	1006,7274	953,41437	12,626592	400,60764
19-12-2019 0:00	20:35:00	30,127314	67,97237	19,366318	1006,7708	953,41437	12,646484	400,60764
19-12-2019 0:00	20:36:00	30,144674	67,97237	19,299767	1006,74915	953,41437	12,648293	400,60764
19-12-2019 0:00	20:37:00	30,135994	68,14597	19,299767	1006,74915	953,41437	12,642867	400,60764
19-12-2019 0:00	20:38:00	30,135994	67,75535	19,441551	1006,7708	953,54456	12,657335	400,60764
19-12-2019 0:00	20:39:00	30,130207	67,87109	19,282406	1006,7708	953,54456	12,641059	400,60764
19-12-2019 0:00	20:40:00	30,144674	68,69575	19,163773	1006,74915	953,54456	12,641059	394,53125
19-12-2019 0:00	20:41:00	30,147568	69,02126	19,007523	1006,74915	953,54456	12,644675	400,0868
19-12-2019 0:00	20:42:00	30,144674	69,63252	19,007523	1006,7274	953,54456	12,621166	403,2118
19-12-2019 0:00	20:43:00	30,135994	69,20211	19,15509	1006,7274	953,54456	12,637442	400,43402
19-12-2019 0:00	20:44:00	30,135994	68,18576	19,296875	1006,74915	953,54456	12,641059	400,43402
19-12-2019 0:00	20:45:00	30,14178	67,82769	19,369213	1006,7925	953,54456	12,655526	399,95657



DATOS	61	61	61	61	61	61	61
PROMEDIO	15,8	9,5	48.249	13,8	590	582	578
DESV EST	0,28	0,0459	203	0,13	0,88	0,85	0,88
DESV EST %	0,0180	0,0048	0,0042	0,0096	0,0015	0,0015	0,0015
MAX	16,5	9,66	48.958	14,1	592	585	581
MIN	15,02	9,40	47810,52	13,60	587,70	580,60	576,70

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	19:45:00	15,932436	9,469058	48011,23	14,100006	592,10004	584,5	580,7
19-12-2019 0:00	19:46:00	15,615957	9,469845	48258,09	14	590	582,8	579,3
19-12-2019 0:00	19:47:00	15,992115	9,459936	48135,363	14	590,4	583	579,3
19-12-2019 0:00	19:48:00	15,782335	9,655636	48957,812	14	590,60004	583,2	579,5
19-12-2019 0:00	19:49:00	16,060837	9,47483	48287,99	14	590,2	583	579,3
19-12-2019 0:00	19:50:00	15,022786	9,477849	48308,668	14	590,60004	583,2	579,5
19-12-2019 0:00	19:51:00	15,917969	9,456474	48117,75	14	590,8	583,4	579,5
19-12-2019 0:00	19:52:00	16,48763	9,521201	48302,785	14	590,60004	583	579,3
19-12-2019 0:00	19:53:00	15,628616	9,517307	48391,04	14	589,8	582,8	579,10004
19-12-2019 0:00	19:54:00	15,746166	9,470426	48052,543	14	590,2	582,8	579,10004
19-12-2019 0:00	19:55:00	15,8818	9,494211	48177,387	14	590,60004	583,2	579,3
19-12-2019 0:00	19:56:00	15,988498	9,502447	48351,676	14	590,60004	583	579,3
19-12-2019 0:00	19:57:00	15,825738	9,429873	47995,977	14	590,4	582,8	579,10004
19-12-2019 0:00	19:58:00	15,892651	9,461917	48233,426	13,900009	590	582,60004	578,9
19-12-2019 0:00	19:59:00	15,816695	9,398777	47810,523	13,900009	589,8	582,4	578,9
19-12-2019 0:00	20:00:00	15,411603	9,494846	48388,844	13,900009	589,8	582,4	578,8
19-12-2019 0:00	20:01:00	15,771484	9,458573	47989,57	13,900009	590,4	583	579
19-12-2019 0:00	20:02:00	16,116898	9,44778	48198,953	13,900009	590,2	582,8	578,8
19-12-2019 0:00	20:03:00	16,200087	9,536531	48525,105	13,900009	590,2	582,60004	578,8
19-12-2019 0:00	20:04:00	15,494791	9,445823	48126,586	13,900009	590	582,60004	578,8
19-12-2019 0:00	20:05:00	15,98669	9,485859	48093,523	13,900009	590,2	582,8	578,8
19-12-2019 0:00	20:06:00	16,131365	9,526225	48472,664	13,900009	590	582,60004	579
19-12-2019 0:00	20:07:00	15,899884	9,467608	48209,78	13,900009	589,60004	582,2	578,60004
19-12-2019 0:00	20:08:00	15,823929	9,53292	48372,94	13,900009	590,60004	583	579
19-12-2019 0:00	20:09:00	15,664785	9,504371	48361,508	13,900009	590	582,60004	578,8
19-12-2019 0:00	20:10:00	15,782335	9,425633	48177,59	13,900009	590,2	582,60004	578,8
19-12-2019 0:00	20:11:00	15,709997	9,582227	48627,52	13,900009	589,4	582,2	578,4
19-12-2019 0:00	20:12:00	15,791377	9,524196	48536,004	13,900009	589,4	582,2	578,60004
19-12-2019 0:00	20:13:00	15,932436	9,515428	48534,918	13,900009	590	582,4	578,60004
19-12-2019 0:00	20:14:00	15,852864	9,515493	48336,766	13,900009	590,2	582,8	578,60004
19-12-2019 0:00	20:15:00	15,628616	9,519907	48372,824	13,800003	590,60004	583	579
19-12-2019 0:00	20:16:00	15,757016	9,452986	48089,207	13,800003	590,2	582,8	578,8
19-12-2019 0:00	20:17:00	15,538195	9,492636	48347,79	13,800003	590,2	582,8	578,8
19-12-2019 0:00	20:18:00	15,160229	9,5357	48410,777	13,800003	590,60004	583,2	579
19-12-2019 0:00	20:19:00	15,937861	9,577006	48720,645	13,800003	590,2	582,8	578,8
19-12-2019 0:00	20:20:00	16,022858	9,475963	47997,703	13,800003	590,5	583	579



DATOS	61	61	61	61	61	61	61
PROMEDIO	15,8	9,5	48.249	13,8	590	582	578
DESV EST	0,28	0,0459	203	0,13	0,88	0,85	0,88
DESV EST %	0,0180	0,0048	0,0042	0,0096	0,0015	0,0015	0,0015
MAX	16,5	9,66	48.958	14,1	592	585	581
MIN	15,02	9,40	47810,52	13,60	587,70	580,60	576,70

Date	Time	PRES EXH GAS HRSG INL	FG FLOW CALC	F FUEL GAS LINE 2	TEMP U/STR NG ESV	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT
		11HNA10CP001  XQ01 mBAR	11EKD02FF901  XQ01 kg/s	11EKD02CF001B  XQ01 M3N/H	11MBP13FT901  ZQ01 °C	11MBR10CT001A  XQ01 °C	11MBR10CT002A  XQ01 °C	11MBR10CT003A  XQ01 °C
19-12-2019 0:00	20:21:00	15,438729	9,505625	48437,715	13,800003	590,10004	582,8	578,8
19-12-2019 0:00	20:22:00	15,561704	9,516223	48421,77	13,800003	589,9	582,60004	578,7
19-12-2019 0:00	20:23:00	15,775101	9,510403	48287,94	13,800003	589,5	582	578,3
19-12-2019 0:00	20:24:00	16,207321	9,470782	48190,555	13,800003	588,9	581,60004	577,9
19-12-2019 0:00	20:25:00	15,688295	9,485289	48264,367	13,699997	589,5	582	578,10004
19-12-2019 0:00	20:26:00	15,818503	9,407543	48060,965	13,699997	589,10004	581,60004	577,9
19-12-2019 0:00	20:27:00	15,856482	9,484895	48249,05	13,699997	589,10004	581,60004	577,9
19-12-2019 0:00	20:28:00	15,456814	9,413619	48005,81	13,699997	589,10004	581,60004	577,8
19-12-2019 0:00	20:29:00	15,603298	9,42494	47924,918	13,699997	589,2	581,8	577,8
19-12-2019 0:00	20:30:00	15,870949	9,456329	48117,01	13,699997	589	581,60004	577,8
19-12-2019 0:00	20:31:00	16,028284	9,427556	48114,81	13,699997	589,10004	581,60004	577,60004
19-12-2019 0:00	20:32:00	15,711805	9,4165125	48087,473	13,699997	588,3	581	577,4
19-12-2019 0:00	20:33:00	15,735315	9,422048	48161	13,699997	589,10004	581,4	577,4
19-12-2019 0:00	20:34:00	15,717231	9,491905	48256,77	13,699997	588,3	580,8	577,2
19-12-2019 0:00	20:35:00	16,198278	9,461805	48277,52	13,699997	588,9	581,4	577,4
19-12-2019 0:00	20:36:00	16,194662	9,518478	48328,016	13,699997	588,7	581,4	577,4
19-12-2019 0:00	20:37:00	15,462239	9,468035	48251,65	13,699997	588,9	581,4	577,4
19-12-2019 0:00	20:38:00	16,342955	9,424421	47954,656	13,699997	588,9	581,60004	577,60004
19-12-2019 0:00	20:39:00	15,445963	9,46466	48273,957	13,699997	588,7	581,4	577,4
19-12-2019 0:00	20:40:00	15,766059	9,460732	48139,418	13,699997	588,10004	580,8	577
19-12-2019 0:00	20:41:00	16,154875	9,434274	47986,656	13,600006	587,7	580,60004	576,8
19-12-2019 0:00	20:42:00	16,022858	9,469504	48295,445	13,600006	587,9	580,7	576,7
19-12-2019 0:00	20:43:00	16,176577	9,513017	48419,2	13,600006	588,3	580,9	576,7
19-12-2019 0:00	20:44:00	16,520182	9,460718	48091,793	13,600006	588,10004	580,7	576,7
19-12-2019 0:00	20:45:00	15,7534	9,500195	48283,02	13,600006	588,3	580,7	576,7



DATOS	61	61	61	61	61	61	61
PROMEDIO	575	574	577	50,0	160	15,76	5,94
DESV EST	0,92	0,90	0,88	0,04	0,6	0,0073	0,0203
DESV EST %	0,0016	0,0016	0,0015	0,0008	0,0039	0,0005	0,0034
MAX	578	576	580	50,1	162	15,77	6,00
MIN	573,40	572,10	575,60	49,91	158,67	15,74	5,90

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	19:45:00	577,5	576,4	580,10004	50,03403	160,23003	15,764612	5,947193
19-12-2019 0:00	19:46:00	576,3	575,4	578,10004	50,114456	159,12326	15,764612	5,90502
19-12-2019 0:00	19:47:00	576,3	574,3	578,10004	50,053383	159,27516	15,764612	5,9571395
19-12-2019 0:00	19:48:00	576	574,3	578,10004	50,090824	159,8177	15,764612	5,9066114
19-12-2019 0:00	19:49:00	576	574,3	578,10004	50,01029	159,64409	15,764612	5,9404297
19-12-2019 0:00	19:50:00	576	574,60004	578,10004	49,978123	159,7309	15,764612	5,9404297
19-12-2019 0:00	19:51:00	576	574,60004	578,10004	49,989758	159,66579	15,764612	5,959129
19-12-2019 0:00	19:52:00	576	574,60004	578,10004	50,072247	159,42708	15,764612	5,9491825
19-12-2019 0:00	19:53:00	576	574,60004	578,10004	50,050594	159,31857	15,764612	5,903031
19-12-2019 0:00	19:54:00	576	574,60004	578,10004	49,981186	159,29688	15,764612	5,942419
19-12-2019 0:00	19:55:00	576	574,60004	577,9	50,061237	160,59895	15,764612	5,942419
19-12-2019 0:00	19:56:00	576	574,60004	577,9	50,037582	159,92621	15,764612	5,992947
19-12-2019 0:00	19:57:00	576	574,60004	577,9	50,041878	159,9479	15,764612	5,908601
19-12-2019 0:00	19:58:00	575,7	574,3	577,9	50,03276	159,8394	15,764612	5,9551506
19-12-2019 0:00	19:59:00	575,7	574,3	577,9	50,016487	159,38367	15,764612	5,948785
19-12-2019 0:00	20:00:00	575,7	574,3	577,9	50,004402	158,97134	15,764612	5,948785
19-12-2019 0:00	20:01:00	575,4	573,9	577,9	50,005398	159,25346	15,764612	5,948785
19-12-2019 0:00	20:02:00	575,4	573,9	577,9	50,01768	158,73264	15,764612	5,948785
19-12-2019 0:00	20:03:00	575,4	574,2	577,60004	50,09397	160,83766	15,764612	5,944806
19-12-2019 0:00	20:04:00	575,7	574,2	577,60004	50,020992	160,31683	15,764612	5,944806
19-12-2019 0:00	20:05:00	575,7	574,2	577,60004	50,030857	159,7092	15,764612	5,944806
19-12-2019 0:00	20:06:00	575,7	574,2	577,60004	50,034798	160,20833	15,764612	5,944806
19-12-2019 0:00	20:07:00	575,60004	574,2	577,60004	50,044132	159,77429	15,764612	5,944806
19-12-2019 0:00	20:08:00	575,60004	573,9	577,60004	50,02205	159,64409	15,764612	5,944806
19-12-2019 0:00	20:09:00	575,2	573,9	577,60004	50,02632	160,49045	15,764612	6,002496
19-12-2019 0:00	20:10:00	575,2	573,9	577,60004	49,98706	160,29514	15,764612	5,944806
19-12-2019 0:00	20:11:00	575,2	574	577,60004	50,065994	160,25172	15,764612	5,928096
19-12-2019 0:00	20:12:00	575,2	574	577,60004	50,042896	160,40364	15,764612	5,9945383
19-12-2019 0:00	20:13:00	575,2	574	577,60004	50,02511	159,7526	15,764612	5,9551506
19-12-2019 0:00	20:14:00	575,2	574	577,60004	49,98005	159,796	15,764612	5,9551506
19-12-2019 0:00	20:15:00	575,60004	574	577,60004	50,02833	160,66406	15,764612	5,9551506
19-12-2019 0:00	20:16:00	575,60004	574	577,60004	50,019676	159,38367	15,764612	5,9344616
19-12-2019 0:00	20:17:00	575,60004	574,3	577,60004	49,916634	160,01302	15,764612	5,9344616
19-12-2019 0:00	20:18:00	575,60004	574,3	578	49,943916	159,14496	15,764612	5,948785
19-12-2019 0:00	20:19:00	575,60004	574,3	578	50,07491	160,83766	15,764612	5,8986545
19-12-2019 0:00	20:20:00	575,60004	574,7	578	49,98922	160,05641	15,764612	5,956742



DATOS	61	61	61	61	61	61	61
PROMEDIO	575	574	577	50,0	160	15,76	5,94
DESV EST	0,92	0,90	0,88	0,04	0,6	0,0073	0,0203
DESV EST %	0,0016	0,0016	0,0015	0,0008	0,0039	0,0005	0,0034
MAX	578	576	580	50,1	162	15,77	6,00
MIN	573,40	572,10	575,60	49,91	158,67	15,74	5,90

Date	Time	T HRSG INL DUCT	T HRSG INL DUCT	T HRSG INL DUCT	TURBINE SPEED	ACTIVE POWER	GEN VOLTAGE L1-L2	GEN CURRENT L1
		11MBR10CT004A  XQ01 °C	11MBR10CT005A  XQ01 °C	11MBR10CT006A  XQ01 °C	11MBY10CS901  ZQ11 s-1	11MBY10CE901  XQ01 MW	11MKA01CE001A XQ01 XQ01 kV	11MKA01CE002A XQ01 XQ01 kA
19-12-2019 0:00	20:21:00	575,60004	574,7	578	49,978344	160,16492	15,764612	5,9304833
19-12-2019 0:00	20:22:00	575,60004	574,2	578	49,982235	158,66753	15,764612	5,9344616
19-12-2019 0:00	20:23:00	575	574,2	577,10004	49,98775	159,7526	15,74056	5,9344616
19-12-2019 0:00	20:24:00	575	573,5	577,10004	49,986732	159,21007	15,74056	5,9344616
19-12-2019 0:00	20:25:00	574,5	573,5	577,10004	49,977684	158,75433	15,772859	5,9344616
19-12-2019 0:00	20:26:00	574,5	573,2	576,9	49,978153	159,25346	15,772859	5,9344616
19-12-2019 0:00	20:27:00	574,5	573,2	576,9	49,972786	160,57726	15,772859	5,9344616
19-12-2019 0:00	20:28:00	574,5	573,2	576,7	49,938255	159,6007	15,772859	5,938838
19-12-2019 0:00	20:29:00	574,5	572,9	576,7	49,94323	158,90625	15,772859	5,938838
19-12-2019 0:00	20:30:00	574,5	572,9	576,7	49,989506	159,7309	15,772859	5,938838
19-12-2019 0:00	20:31:00	573,9	572,9	576,10004	50,023014	158,84114	15,772859	5,9014397
19-12-2019 0:00	20:32:00	573,9	572,9	576,10004	49,9926	159,01476	15,766674	5,9380426
19-12-2019 0:00	20:33:00	573,9	572,9	576,10004	49,987324	159,90451	15,766674	6,0001082
19-12-2019 0:00	20:34:00	573,9	572,9	576,8	49,969822	159,27516	15,766674	5,928096
19-12-2019 0:00	20:35:00	573,9	572,4	575,9	49,958183	160,72916	15,766674	5,9380426
19-12-2019 0:00	20:36:00	573,9	572,4	576,4	49,98976	160,62065	15,766674	5,9412255
19-12-2019 0:00	20:37:00	573,9	572,8	576,4	49,990402	161,81422	15,766674	5,938838
19-12-2019 0:00	20:38:00	573,9	572,8	576,4	50,02273	160,07812	15,766674	5,918547
19-12-2019 0:00	20:39:00	573,9	572,8	576,4	49,98706	159,6007	15,766674	5,930881
19-12-2019 0:00	20:40:00	573,9	572,8	576,4	49,9669	160,49045	15,766674	5,9444084
19-12-2019 0:00	20:41:00	573,9	572,10004	575,60004	49,9081	160,42534	15,766674	5,9444084
19-12-2019 0:00	20:42:00	573,4	572,10004	575,60004	49,964794	160,18663	15,7371235	5,937247
19-12-2019 0:00	20:43:00	573,4	572,10004	575,60004	49,994564	160,29514	15,7371235	5,947989
19-12-2019 0:00	20:44:00	573,4	572,10004	575,60004	49,988956	160,16492	15,764612	5,947989
19-12-2019 0:00	20:45:00	573,4	572,10004	575,60004	49,99779	160,38194	15,764612	5,947989





DATOS	61	61	61	61	61	61	61
PROMEDIO	5,94	5,99	0,9727	605	3,48	6,651	377
DESV EST	0,0284	0,0342	0,0018	3,1	0,0229	0,002	1,7
DESV EST %	0,0048	0,0057	0,0019	0,0051	0,0066	0,0004	0,0046
MAX	6,04	6,07	0,9764	616	3,53	6,655	380
MIN	5,89	5,89	0,97	599,12	3,43	6,64	374,13

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	19:45:00	5,938838	5,9881725	0,9727173	601,5625	3,473611	6,6510525	375,16278
19-12-2019 0:00	19:46:00	5,9463973	5,9949365	0,9727173	601,5625	3,473611	6,6533384	375,16278
19-12-2019 0:00	19:47:00	5,936451	6,009657	0,9753418	601,5625	3,473611	6,6521955	375,16278
19-12-2019 0:00	19:48:00	5,936451	5,959129	0,973938	599,70703	3,473611	6,6521955	376,8989
19-12-2019 0:00	19:49:00	5,936451	5,959129	0,973938	603,22266	3,4291232	6,6521955	374,24045
19-12-2019 0:00	19:50:00	5,936451	5,9865813	0,973938	609,1797	3,4469182	6,6521955	374,24045
19-12-2019 0:00	19:51:00	5,936451	5,9491825	0,9733276	601,1719	3,483695	6,6521955	374,24045
19-12-2019 0:00	19:52:00	5,936451	5,9849896	0,9733276	603,5156	3,483695	6,6521955	376,5191
19-12-2019 0:00	19:53:00	5,936451	5,9551506	0,9733276	603,5156	3,483695	6,6519094	376,5191
19-12-2019 0:00	19:54:00	5,936451	5,897461	0,9733276	603,5156	3,483695	6,6519094	376,95312
19-12-2019 0:00	19:55:00	5,936451	5,9849896	0,9699097	606,15234	3,5180988	6,651338	376,95312
19-12-2019 0:00	19:56:00	5,942021	5,9849896	0,9699097	610,5469	3,5204716	6,6499095	378,58075
19-12-2019 0:00	19:57:00	5,942021	5,9849896	0,9699097	605,46875	3,5204716	6,6499095	379,93707
19-12-2019 0:00	19:58:00	5,936849	5,9849896	0,9699097	608,39844	3,5204716	6,6519094	379,93707
19-12-2019 0:00	19:59:00	5,936849	5,9849896	0,9719238	608,39844	3,5204716	6,647909	379,93707
19-12-2019 0:00	20:00:00	5,9292893	5,950376	0,9692993	605,95703	3,5068285	6,6504807	379,93707
19-12-2019 0:00	20:01:00	5,978624	6,0104527	0,9692993	609,96094	3,5068285	6,6504807	379,93707
19-12-2019 0:00	20:02:00	5,9491825	5,9949365	0,9702148	603,125	3,5068285	6,6504807	379,93707
19-12-2019 0:00	20:03:00	5,9491825	5,9889684	0,9702148	605,1758	3,5068285	6,6504807	379,93707
19-12-2019 0:00	20:04:00	5,9491825	5,9463973	0,9733887	605,1758	3,5068285	6,6510525	376,5191
19-12-2019 0:00	20:05:00	5,9491825	6,0116463	0,9706421	605,1758	3,5068285	6,6510525	378,41797
19-12-2019 0:00	20:06:00	5,9491825	6,0394964	0,9706421	609,5703	3,5068285	6,6510525	378,41797
19-12-2019 0:00	20:07:00	5,9491825	5,9881725	0,9706421	603,6133	3,5068285	6,6499095	378,41797
19-12-2019 0:00	20:08:00	5,9491825	5,9881725	0,9706421	608,4961	3,4759836	6,6527667	378,41797
19-12-2019 0:00	20:09:00	6,037905	6,0418835	0,9706421	608,4961	3,4943721	6,6499095	378,41797
19-12-2019 0:00	20:10:00	5,932472	5,9432144	0,9724731	605,0781	3,4943721	6,653624	378,41797
19-12-2019 0:00	20:11:00	5,891095	5,9750433	0,9724731	605,0781	3,4943721	6,6519094	378,41797
19-12-2019 0:00	20:12:00	6,0223885	6,043475	0,9724731	599,41406	3,5311487	6,6519094	378,41797
19-12-2019 0:00	20:13:00	5,9320745	6,016421	0,9724731	605,5664	3,5038629	6,6519094	378,41797
19-12-2019 0:00	20:14:00	6,0044847	5,9491825	0,9724731	605,5664	3,5038629	6,6499095	379,8828
19-12-2019 0:00	20:15:00	6,0076675	5,9404297	0,9724731	605,5664	3,5038629	6,6527667	379,8828
19-12-2019 0:00	20:16:00	5,922128	5,958731	0,9724731	605,5664	3,5038629	6,647909	379,8828
19-12-2019 0:00	20:17:00	5,9818068	6,0044847	0,9736938	605,5664	3,473611	6,6519094	377,49567
19-12-2019 0:00	20:18:00	5,9233217	5,986979	0,9736938	605,5664	3,473611	6,649052	377,49567
19-12-2019 0:00	20:19:00	5,9432144	5,986979	0,9736938	603,8086	3,473611	6,6533384	377,49567
19-12-2019 0:00	20:20:00	5,9432144	6,0363135	0,9736938	602,2461	3,473611	6,6527667	376,62762



DATOS	61	61	61	61	61	61	61
PROMEDIO	5,94	5,99	0,9727	605	3,48	6,651	377
DESV EST	0,0284	0,0342	0,0018	3,1	0,0229	0,002	1,7
DESV EST %	0,0048	0,0057	0,0019	0,0051	0,0066	0,0004	0,0046
MAX	6,04	6,07	0,9764	616	3,53	6,655	380
MIN	5,89	5,89	0,97	599,12	3,43	6,64	374,13

Date	Time	GEN CURRENT L2	GEN CURRENT L3	POWER FACTOR	EXC CURRENT	U AUX ACTIVE POWER	GT AUX TFR	MV INC FDR CUR L2
		11MKA01CE002B XQ01 XQ01 kA	11MKA01CE002C XQ01 XQ01 kA	11MKC01DE503  ZQ01 CAP/IND	11MKC01EU001  ZQ01 A	11BBT01CE003 XQ01 XQ01 MW	11BBE00CE001 XQ01 XQ01 KV	11BBT01CE102 XQ01 XQ01 A
19-12-2019 0:00	20:21:00	5,9432144	6,0279584	0,9736938	602,2461	3,473611	6,650767	376,62762
19-12-2019 0:00	20:22:00	5,948785	6,0056787	0,9736938	602,6367	3,473611	6,650767	376,62762
19-12-2019 0:00	20:23:00	5,8906975	5,997721	0,9736938	604,78516	3,4481046	6,650767	376,62762
19-12-2019 0:00	20:24:00	5,924913	5,9770327	0,9736938	604,78516	3,4558158	6,650767	376,62762
19-12-2019 0:00	20:25:00	5,9778285	5,9770327	0,9736938	604,78516	3,4558158	6,6527667	376,62762
19-12-2019 0:00	20:26:00	5,9408274	5,9770327	0,9736938	604,78516	3,4896266	6,650767	376,13934
19-12-2019 0:00	20:27:00	5,9408274	5,99056	0,9736938	604,78516	3,4498842	6,650767	376,13934
19-12-2019 0:00	20:28:00	5,9408274	5,9519677	0,9736938	604,78516	3,4498842	6,650767	376,13934
19-12-2019 0:00	20:29:00	5,9408274	5,986979	0,9736938	599,1211	3,4498842	6,6510525	376,13934
19-12-2019 0:00	20:30:00	5,9408274	5,9483867	0,9736938	602,83203	3,4848812	6,6510525	376,13934
19-12-2019 0:00	20:31:00	5,9209347	5,986979	0,9764404	599,90234	3,4623408	6,652481	374,13196
19-12-2019 0:00	20:32:00	5,9209347	5,9523654	0,9764404	599,90234	3,4623408	6,652481	374,13196
19-12-2019 0:00	20:33:00	5,889106	6,0402923	0,9764404	599,90234	3,4623408	6,650767	376,57336
19-12-2019 0:00	20:34:00	5,9269023	5,891493	0,9753418	603,3203	3,4623408	6,6527667	376,57336
19-12-2019 0:00	20:35:00	5,982205	5,990162	0,9753418	603,3203	3,4451387	6,6510525	374,18622
19-12-2019 0:00	20:36:00	5,982205	6,0446687	0,9708252	602,2461	3,47717	6,6553383	377,1159
19-12-2019 0:00	20:37:00	5,924913	6,010055	0,9754028	615,72266	3,47717	6,6390514	377,1159
19-12-2019 0:00	20:38:00	5,9209347	6,010055	0,9731445	601,85547	3,470052	6,6413374	377,1159
19-12-2019 0:00	20:39:00	5,8962674	6,038303	0,9731445	606,15234	3,470052	6,6499095	375,8138
19-12-2019 0:00	20:40:00	5,926107	6,0673466	0,9731445	606,15234	3,470052	6,646195	375,8138
19-12-2019 0:00	20:41:00	5,978624	6,010055	0,9711304	607,4219	3,470052	6,6510525	375,8138
19-12-2019 0:00	20:42:00	5,9440103	6,034324	0,9711304	607,4219	3,470052	6,6510525	375,8138
19-12-2019 0:00	20:43:00	5,9352574	5,9889684	0,9711304	607,4219	3,470052	6,6527667	378,20096
19-12-2019 0:00	20:44:00	5,942021	5,9849896	0,9711304	604,1992	3,470052	6,6499095	378,20096
19-12-2019 0:00	20:45:00	5,984592	5,9849896	0,9741821	604,1992	3,470052	6,652481	378,20096



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	156,6	72,11	21,2	0,802	45,4	54,5	186,5	10,97
DESV EST	0,7	0,85	0,04	0,010	0,15	0,67	0,53	0,23
DESV EST %	0,0043	0,0117	0,0018	0,0122	0,0032	0,0123	0,0029	0,0208
MAX	158,2	72,63	21,3	0,826	45,9	55,0	188,3	11,18
MIN	154,77	68,47	21,10	0,78	45,06	52,38	185,70	10,59

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	19:45:00	157,18239	71,792244	21,24132	0,7833825	45,466156	52,64515	187,96008	10,70067
19-12-2019 0:00	19:46:00	156,25288	71,74408	21,273872	0,7991536	45,30399	52,573	188,33334	10,70067
19-12-2019 0:00	19:47:00	155,72151	71,89998	21,24132	0,7972353	45,64924	52,378014	188,11633	10,70067
19-12-2019 0:00	19:48:00	157,26717	70,691765	21,24132	0,7939889	45,463604	52,54014	187,98611	10,70067
19-12-2019 0:00	19:49:00	156,40706	68,680725	21,229385	0,8204885	45,72696	52,56874	187,64758	10,682033
19-12-2019 0:00	19:50:00	156,79057	68,47227	21,200089	0,8003827	45,5464	52,597046	187,30904	10,647609
19-12-2019 0:00	19:51:00	155,78079	68,69967	21,221788	0,8003827	45,86148	54,778778	186,93578	10,612022
19-12-2019 0:00	19:52:00	155,79063	72,20657	21,240236	0,8003827	45,54207	54,805202	186,93578	10,590294
19-12-2019 0:00	19:53:00	156,29237	72,20657	21,227215	0,8003827	45,35934	54,79945	186,38022	10,624068
19-12-2019 0:00	19:54:00	155,1945	71,988655	21,200089	0,8064494	45,386074	54,6245	186,72743	10,594285
19-12-2019 0:00	19:55:00	156,53297	72,133575	21,197918	0,7928942	45,481995	54,844868	186,54515	10,624522
19-12-2019 0:00	19:56:00	156,40692	72,566574	21,185982	0,8129748	45,447968	54,72269	186,41493	10,591754
19-12-2019 0:00	19:57:00	157,10017	72,438576	21,220705	0,7996704	45,314102	54,808434	186,73611	10,626375
19-12-2019 0:00	19:58:00	156,22322	72,41175	21,207684	0,8078153	45,425453	54,80275	186,55383	10,603638
19-12-2019 0:00	19:59:00	156,28917	72,41175	21,16428	0,7903559	45,302715	54,685234	186,55383	10,603638
19-12-2019 0:00	20:00:00	156,70955	72,41175	21,221788	0,8066044	45,50847	54,778316	186,6146	10,603638
19-12-2019 0:00	20:01:00	155,73502	72,22535	21,227215	0,8003712	45,439342	54,635597	186,73611	10,844584
19-12-2019 0:00	20:02:00	156,22263	72,37222	21,204428	0,8045052	45,18186	54,8005	186,57118	10,868436
19-12-2019 0:00	20:03:00	157,14145	72,37222	21,248917	0,7853385	45,5098	54,937195	186,57118	11,121163
19-12-2019 0:00	20:04:00	156,73447	72,32213	21,178387	0,8031746	45,295364	54,62101	186,45834	11,134364
19-12-2019 0:00	20:05:00	156,06325	72,32213	21,220705	0,7980929	45,295364	54,80582	186,39758	11,134364
19-12-2019 0:00	20:06:00	157,22589	72,63019	21,205513	0,7980929	45,284065	54,864376	186,39758	11,134364
19-12-2019 0:00	20:07:00	156,42354	72,63019	21,209854	0,7980929	45,47334	54,928448	186,72743	11,151654
19-12-2019 0:00	20:08:00	156,84001	72,61107	21,200089	0,7808265	45,309544	54,891285	186,55383	11,1635895
19-12-2019 0:00	20:09:00	157,16554	72,43244	21,227215	0,7775791	45,315517	54,591915	186,59723	11,152726
19-12-2019 0:00	20:10:00	156,68039	72,42254	21,229385	0,801443	45,365604	54,583668	186,80556	11,152726
19-12-2019 0:00	20:11:00	156,9408	72,19247	21,221788	0,801443	45,292747	54,971775	186,24133	11,152726
19-12-2019 0:00	20:12:00	157,0148	72,4995	21,196833	0,8048573	45,339348	54,923527	186,7448	11,16596
19-12-2019 0:00	20:13:00	157,1602	72,389595	21,176216	0,7904812	45,422848	54,768024	186,25002	11,162622
19-12-2019 0:00	20:14:00	157,1908	72,357704	21,17513	0,7920079	45,254852	54,799297	186,41493	11,137121
19-12-2019 0:00	20:15:00	157,16139	72,357704	21,257597	0,8121768	45,48345	54,577415	186,22397	11,138241
19-12-2019 0:00	20:16:00	156,1911	72,48321	21,178387	0,8051766	45,194424	54,86193	186,45834	11,170875
19-12-2019 0:00	20:17:00	156,9713	72,27826	21,15994	0,8051766	45,29302	54,651768	186,21529	11,149872
19-12-2019 0:00	20:18:00	156,65512	72,26806	21,181643	0,8051766	45,24395	54,59939	186,25868	11,159701
19-12-2019 0:00	20:19:00	158,16168	72,48998	21,22613	0,8251151	45,24395	54,947968	186,38022	11,118122
19-12-2019 0:00	20:20:00	157,44789	72,48998	21,203342	0,8036879	45,215443	54,891396	186,57118	11,168426



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	156,6	72,11	21,2	0,802	45,4	54,5	186,5	10,97
DESV EST	0,7	0,85	0,04	0,010	0,15	0,67	0,53	0,23
DESV EST %	0,0043	0,0117	0,0018	0,0122	0,0032	0,0123	0,0029	0,0208
MAX	158,2	72,63	21,3	0,826	45,9	55,0	188,3	11,18
MIN	154,77	68,47	21,10	0,78	45,06	52,38	185,70	10,59

		UNIT LOAD SETPOINT GT	F COND TO P/HTR SYST	PRES COND D/S CEP	FLOW FW TO HP ATP	FLOW CCP	FLOW HP FW HDR	PRES HP FW U/S S/O-V	FLOW IP FW HDR
Date	Time	11CJA00DE100  XQ95 MW	11LCA20CF001  XQ01 kg/s	10LCA20CP001  XQ01 BAR	11LAE10CF001  XQ01 kg/s	11LCA60CF001  XQ01 kg/s	11LAB20CF001  XQ01 kg/s	10LAB20CP001  XQ01 BAR	11LAB50CF001  XQ01 kg/s
19-12-2019 0:00	20:21:00	156,63605	72,42211	21,15994	0,8115706	45,30271	54,645042	186,08508	11,141347
19-12-2019 0:00	20:22:00	156,33817	72,30516	21,134983	0,8073315	45,180676	54,822323	185,85939	11,141347
19-12-2019 0:00	20:23:00	156,80243	72,30516	21,161026	0,8073315	45,282776	54,740265	185,85939	11,166178
19-12-2019 0:00	20:24:00	156,18709	72,42572	21,17513	0,797254	45,299843	54,670094	186,2066	11,131201
19-12-2019 0:00	20:25:00	154,76962	72,09851	21,113283	0,7871937	45,165333	54,63824	185,8941	11,171257
19-12-2019 0:00	20:26:00	155,32852	72,39691	21,13173	0,7963374	45,178368	54,467587	186,0243	11,156844
19-12-2019 0:00	20:27:00	157,44246	72,332245	21,153429	0,7989036	45,430264	54,497765	186,22397	11,1397085
19-12-2019 0:00	20:28:00	156,34969	72,332245	21,14041	0,7975774	45,18393	54,6434	186,22397	11,1397085
19-12-2019 0:00	20:29:00	155,26462	72,25156	21,101347	0,8099782	45,314537	54,712215	186,25868	11,176632
19-12-2019 0:00	20:30:00	155,8681	72,32966	21,133898	0,8089484	45,59397	54,770138	186,3889	11,149657
19-12-2019 0:00	20:31:00	155,27173	72,32966	21,182726	0,8089484	45,405735	54,74798	186,3889	11,139549
19-12-2019 0:00	20:32:00	155,8241	72,2229	21,158855	0,8089484	45,405735	54,754578	186,04167	11,139549
19-12-2019 0:00	20:33:00	156,2599	72,448944	21,16428	0,7873502	45,441486	54,6951	186,2066	11,139549
19-12-2019 0:00	20:34:00	156,25635	72,35272	21,158855	0,810822	45,255585	54,667538	186,2066	11,161121
19-12-2019 0:00	20:35:00	156,08452	72,24707	21,162111	0,810822	45,125145	54,763218	186,22397	11,145488
19-12-2019 0:00	20:36:00	156,53644	72,6154	21,177301	0,8104023	45,35474	54,63419	186,22397	11,145488
19-12-2019 0:00	20:37:00	156,33485	72,32371	21,15994	0,7965019	45,35474	54,843212	186,22397	11,145488
19-12-2019 0:00	20:38:00	156,95172	72,32371	21,199003	0,8167426	45,384544	54,59228	186,63196	11,104363
19-12-2019 0:00	20:39:00	156,99893	72,145805	21,203342	0,8050931	45,212757	54,550213	186,24133	11,062474
19-12-2019 0:00	20:40:00	157,19223	72,33037	21,143663	0,8087702	45,29262	54,82461	186,24133	10,791326
19-12-2019 0:00	20:41:00	157,4039	72,26925	21,17296	0,8263735	45,491505	54,549984	186,24133	10,809595
19-12-2019 0:00	20:42:00	157,25317	72,37578	21,185982	0,7985235	45,22349	54,929073	185,70314	10,809595
19-12-2019 0:00	20:43:00	157,14288	72,30191	21,139324	0,8132206	45,458366	54,80054	186,26736	10,809595
19-12-2019 0:00	20:44:00	157,43993	72,30191	21,17513	0,8137703	45,060665	54,81802	186,21529	10,809595
19-12-2019 0:00	20:45:00	156,80017	72,319435	21,218534	0,8058983	45,409824	54,711586	186,60591	10,817527



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	74,62	0,20	7,07	17,17	1.903,64	82,07	80,96	21,78
DESV EST	0,23	0,10	0,08	0,05	11,53	0,11	0,10	0,03
DESV EST %	0,0031	0,4983	0,0112	0,0028	0,0061	0,0014	0,0012	0,0016
MAX	75,37	0,55	7,30	17,33	1926,36	82,23	81,11	21,84
MIN	74,28	0,10	6,87	17,09	1885,07	81,83	80,78	21,72

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	19:45:00	75,3653	0,1229161	7,059792	17,217882	1912,2881	82,13761	81,0243	21,717306
19-12-2019 0:00	19:46:00	75,31467	0,1622488	7,0583725	17,238499	1916,9216	82,18006	81,0243	21,717306
19-12-2019 0:00	19:47:00	75,2785	0,2587863	7,059668	17,238499	1923,0463	82,207695	81,09375	21,786749
19-12-2019 0:00	19:48:00	75,213394	0,1113339	6,930405	17,238499	1926,3618	82,207695	81,09375	21,786749
19-12-2019 0:00	19:49:00	75,16999	0,3241627	6,916013	17,33073	1925,3523	82,207695	81,09375	21,786749
19-12-2019 0:00	19:50:00	74,92404	0,1756168	6,90924	17,31337	1923,0542	82,207695	81,09375	21,786749
19-12-2019 0:00	19:51:00	74,714264	0,2347207	6,9099636	17,323135	1918,6018	82,20264	81,09375	21,786749
19-12-2019 0:00	19:52:00	74,88788	0,1039011	6,8837123	17,215714	1910,9519	82,23274	81,09375	21,836634
19-12-2019 0:00	19:53:00	74,779366	0,1021596	6,8727093	17,215714	1907,512	82,23274	81,09375	21,836634
19-12-2019 0:00	19:54:00	74,58767	0,4723597	6,9714246	17,17882	1910,2113	82,23274	81,09375	21,836634
19-12-2019 0:00	19:55:00	74,72873	0,1401931	7,13306	17,173395	1910,6215	82,23274	81,09375	21,836634
19-12-2019 0:00	19:56:00	74,732346	0,1001125	7,142697	17,171225	1911,9453	82,23274	81,09375	21,836634
19-12-2019 0:00	19:57:00	74,732346	0,2446931	7,1379414	17,196182	1912,1821	82,23274	81,11111	21,836634
19-12-2019 0:00	19:58:00	74,732346	0,1777075	7,1336865	17,1658	1916,6864	82,21871	81,11111	21,836634
19-12-2019 0:00	19:59:00	74,562355	0,3219015	7,1382217	17,1658	1915,7327	82,19765	81,11111	21,836634
19-12-2019 0:00	20:00:00	74,67809	0,2293906	7,1442804	17,1658	1913,2678	82,178505	81,05903	21,836634
19-12-2019 0:00	20:01:00	74,71788	0,3084111	7,1423917	17,209202	1915,0808	82,178505	81,05903	21,836634
19-12-2019 0:00	20:02:00	74,638306	0,1803238	7,1498084	17,214628	1914,0042	82,14766	81,05903	21,836634
19-12-2019 0:00	20:03:00	74,638306	0,3668351	7,125119	17,236328	1918,6595	82,14766	81,05903	21,802664
19-12-2019 0:00	20:04:00	74,51895	0,181995	7,029817	17,177734	1914,5542	82,1189	81,00694	21,802664
19-12-2019 0:00	20:05:00	74,51895	0,1013974	7,299029	17,18316	1913,4822	82,1189	81,00694	21,802664
19-12-2019 0:00	20:06:00	74,50087	0,1795033	7,2894998	17,177734	1909,1359	82,1189	81,00694	21,802664
19-12-2019 0:00	20:07:00	74,5081	0,4805844	7,2316175	17,177734	1911,8398	82,09704	81,00694	21,802664
19-12-2019 0:00	20:08:00	74,56959	0,1321792	7,2297482	17,160374	1911,2726	82,09704	81,00694	21,802664
19-12-2019 0:00	20:09:00	74,56959	0,1696599	7,0726404	17,19835	1907,957	82,076836	80,97222	21,802664
19-12-2019 0:00	20:10:00	74,70703	0,2378273	7,061568	17,203777	1907,6394	82,076836	80,97222	21,802664
19-12-2019 0:00	20:11:00	74,41768	0,1404956	7,0910845	17,128906	1908,4906	82,076836	80,97222	21,777344
19-12-2019 0:00	20:12:00	74,67086	0,1083336	7,073989	17,207031	1907,6172	82,076836	80,97222	21,777344
19-12-2019 0:00	20:13:00	74,562355	0,2215335	7,0801654	17,15495	1906,1901	82,05319	80,97222	21,777344
19-12-2019 0:00	20:14:00	74,573204	0,2808333	7,063818	17,15495	1905,2283	82,05319	80,97222	21,777344
19-12-2019 0:00	20:15:00	74,591286	0,2744836	7,063856	17,15495	1906,4663	82,05319	80,9375	21,777344
19-12-2019 0:00	20:16:00	74,591286	0,1144225	7,076208	17,171225	1903,7981	82,03726	80,9375	21,777344
19-12-2019 0:00	20:17:00	74,49001	0,1250279	7,050417	17,135418	1902,7428	82,03726	80,9375	21,777344
19-12-2019 0:00	20:18:00	74,49001	0,1121098	7,0709233	17,135418	1904,7302	82,03726	80,9375	21,777344
19-12-2019 0:00	20:19:00	74,49001	0,1354245	7,086741	17,161459	1902,0073	82,037025	80,9375	21,777344
19-12-2019 0:00	20:20:00	74,598526	0,1429833	7,070094	17,192926	1903,3708	82,037025	80,9375	21,757957



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	74,62	0,20	7,07	17,17	1.903,64	82,07	80,96	21,78
DESV EST	0,23	0,10	0,08	0,05	11,53	0,11	0,10	0,03
DESV EST %	0,0031	0,4983	0,0112	0,0028	0,0061	0,0014	0,0012	0,0016
MAX	75,37	0,55	7,30	17,33	1926,36	82,23	81,11	21,84
MIN	74,28	0,10	6,87	17,09	1885,07	81,83	80,78	21,72

Date	Time	PRES IP FW U/S S/O-V	FLOW FW TO IP ATP	FLOW COND TO LP DRM	PRES COND U/S D/A	CORR LVL D/AST 2of3	HP PRES ACT VAL	STM AHD HP BLADING	COLD REHT P
		10LAB50CP001  XQ01 BAR	11LAF10CF001  XQ01 kg/s	11LCA31CF001  XQ01 kg/s	11LCA30CP001  XQ01 BAR	10LAA10FL901  XQ01 mm	10LBA10FP004  XQ01 bar	10MAA50CP001  XQ01 bar	10LBC10FP911  XQ01 bar
19-12-2019 0:00	20:21:00	74,526184	0,214817	7,0773582	17,124567	1901,5941	82,05846	80,9375	21,757957
19-12-2019 0:00	20:22:00	74,42853	0,3989746	7,068827	17,124567	1898,4043	82,05846	80,9375	21,757957
19-12-2019 0:00	20:23:00	74,27662	0,1032027	7,0679083	17,118057	1897,6233	82,05846	80,9375	21,757957
19-12-2019 0:00	20:24:00	74,49001	0,2318566	7,0671964	17,160374	1898,2058	82,05846	80,9375	21,757957
19-12-2019 0:00	20:25:00	74,38151	0,278201	7,0683966	17,15712	1897,2566	82,07235	80,9375	21,757957
19-12-2019 0:00	20:26:00	74,49725	0,258439	7,0648794	17,147354	1896,7891	82,047226	80,9375	21,757957
19-12-2019 0:00	20:27:00	74,42853	0,1018111	7,061583	17,131077	1896,3398	82,047226	80,9375	21,757957
19-12-2019 0:00	20:28:00	74,42853	0,292047	7,0770707	17,131077	1895,3192	82,047226	80,9375	21,757957
19-12-2019 0:00	20:29:00	74,51172	0,1446091	7,0555396	17,08659	1891,5698	82,01901	80,9375	21,757957
19-12-2019 0:00	20:30:00	74,638306	0,1315183	7,0755424	17,17882	1894,9363	82,010254	80,9375	21,757957
19-12-2019 0:00	20:31:00	74,49001	0,1411801	7,0858808	17,140842	1893,1013	82,010254	80,891205	21,757957
19-12-2019 0:00	20:32:00	74,374275	0,1345525	7,0747633	17,140842	1891,826	81,991196	80,891205	21,757957
19-12-2019 0:00	20:33:00	74,50087	0,1788815	7,0616956	17,140842	1889,6283	81,9589	80,891205	21,757957
19-12-2019 0:00	20:34:00	74,41768	0,1492267	7,0783095	17,140842	1891,032	81,9589	80,891205	21,757957
19-12-2019 0:00	20:35:00	74,51895	0,2548821	7,0683556	17,135418	1887,8103	81,93436	80,821754	21,757957
19-12-2019 0:00	20:36:00	74,51895	0,247588	7,0689964	17,138672	1887,8746	81,93436	80,821754	21,757957
19-12-2019 0:00	20:37:00	74,35258	0,11533	7,069774	17,136503	1887,9126	81,91721	80,821754	21,757957
19-12-2019 0:00	20:38:00	74,562355	0,1740956	7,088884	17,171225	1887,8159	81,91721	80,821754	21,757957
19-12-2019 0:00	20:39:00	74,41768	0,163327	7,0713487	17,171225	1886,1562	81,91721	80,821754	21,757957
19-12-2019 0:00	20:40:00	74,526184	0,5509479	7,065666	17,145184	1886,9092	81,911255	80,821754	21,757957
19-12-2019 0:00	20:41:00	74,526184	0,1371286	7,0422335	17,145184	1885,0669	81,893135	80,821754	21,757957
19-12-2019 0:00	20:42:00	74,526184	0,293517	7,059784	17,134333	1887,2748	81,87346	80,77546	21,7296
19-12-2019 0:00	20:43:00	74,49725	0,1652145	7,061451	17,134333	1887,3549	81,87346	80,77546	21,7296
19-12-2019 0:00	20:44:00	74,49725	0,124953	7,0663443	17,134333	1887,3127	81,85537	80,77546	21,7296
19-12-2019 0:00	20:45:00	74,63469	0,1014577	7,064448	17,16363	1887,7411	81,82831	80,77546	21,7296



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	21,04	20,68	2,31	3,48	2,70	2,45	0,04	535,75
DESV EST	0,03	0,03	0,01	0,01	0,00	0,01	0,00	0,62
DESV EST %	0,0015	0,0015	0,0023	0,0020	0,0007	0,0022	0,0124	0,0012
MAX	21,10	20,74	2,33	3,49	2,70	2,46	0,04	536,75
MIN	20,98	20,62	2,31	3,47	2,69	2,45	0,04	534,57

Date	Time	IP PRES ACT VAL 10LBB10FP002  XQ01 bar	STM AHD IP BLADING 10MAB50CP001  XQ01 bar	STM IP EXHAUST 10MAB50CP021  XQ01 bar	PRES D/AST 10LAA10CP001  XQ01 BAR	LP PRES ACT VAL 10LBA80FP002  XQ01 bar	PRES INL LP CSG 10MAC11FP901  XQ01 barabs	PRES CONDR 1 10MAG01FP902  XQ01 barabs	TEMP HP MS U/S ST 10LBA11CT001  XQ01 °C
19-12-2019 0:00	19:45:00	21,007505	20,61849	2,3105469	3,4840078	2,7037663	2,4460871	0,0420664	536,7531
19-12-2019 0:00	19:46:00	21,022894	20,664064	2,3105469	3,491249	2,7018313	2,4503067	0,0422232	536,7531
19-12-2019 0:00	19:47:00	21,043465	20,664064	2,3156104	3,4749565	2,6972842	2,4538028	0,0422232	536,7531
19-12-2019 0:00	19:48:00	21,053408	20,664064	2,3156104	3,4749565	2,702073	2,4538028	0,0423678	536,7531
19-12-2019 0:00	19:49:00	21,073261	20,705296	2,3156104	3,4749565	2,7030654	2,457299	0,0423678	536,7531
19-12-2019 0:00	19:50:00	21,073261	20,705296	2,3203125	3,4840078	2,701613	2,457299	0,0425125	536,7531
19-12-2019 0:00	19:51:00	21,093641	20,705296	2,3203125	3,493421	2,701613	2,460072	0,0425125	536,7531
19-12-2019 0:00	19:52:00	21,093641	20,705296	2,3257377	3,493421	2,6965635	2,4629655	0,0425125	536,7531
19-12-2019 0:00	19:53:00	21,101276	20,735678	2,3257377	3,493421	2,701992	2,4629655	0,0425125	536,42395
19-12-2019 0:00	19:54:00	21,101276	20,735678	2,3257377	3,493421	2,7005382	2,4629655	0,0425125	536,42395
19-12-2019 0:00	19:55:00	21,09401	20,735678	2,3257377	3,493421	2,69974	2,4616394	0,0425125	536,42395
19-12-2019 0:00	19:56:00	21,09401	20,735678	2,323206	3,4869041	2,69974	2,4616394	0,0424401	536,42395
19-12-2019 0:00	19:57:00	21,09401	20,735678	2,323206	3,4869041	2,7008114	2,4604337	0,0424401	536,2124
19-12-2019 0:00	19:58:00	21,085365	20,735678	2,323206	3,4869041	2,697657	2,4604337	0,0424401	536,2124
19-12-2019 0:00	19:59:00	21,07626	20,709637	2,323206	3,4869041	2,698683	2,4604337	0,0422714	536,2124
19-12-2019 0:00	20:00:00	21,07626	20,709637	2,3210359	3,4869041	2,6956446	2,4576607	0,0422714	536,2124
19-12-2019 0:00	20:01:00	21,066525	20,709637	2,3210359	3,4869041	2,698652	2,4576607	0,0422714	536,2124
19-12-2019 0:00	20:02:00	21,066525	20,709637	2,3210359	3,4869041	2,699301	2,4576607	0,0421026	535,9538
19-12-2019 0:00	20:03:00	21,066525	20,709637	2,3210359	3,4869041	2,699301	2,4576607	0,0421026	535,9538
19-12-2019 0:00	20:04:00	21,054611	20,709637	2,3170571	3,4869041	2,6985865	2,455129	0,0421026	535,9538
19-12-2019 0:00	20:05:00	21,054611	20,685764	2,3170571	3,4825597	2,6985865	2,455129	0,0421026	535,9538
19-12-2019 0:00	20:06:00	21,054611	20,685764	2,3170571	3,4825597	2,7016883	2,455129	0,0421026	535,9538
19-12-2019 0:00	20:07:00	21,047464	20,685764	2,3170571	3,4825597	2,703197	2,4539235	0,0418856	535,83624
19-12-2019 0:00	20:08:00	21,047464	20,685764	2,3170571	3,4825597	2,694791	2,4539235	0,0418856	535,83624
19-12-2019 0:00	20:09:00	21,038734	20,685764	2,314887	3,478939	2,6997514	2,452356	0,0418856	535,83624
19-12-2019 0:00	20:10:00	21,038734	20,685764	2,314887	3,478939	2,6989124	2,452356	0,041753	535,83624
19-12-2019 0:00	20:11:00	21,040176	20,685764	2,314887	3,478939	2,6986213	2,452356	0,041753	535,83624
19-12-2019 0:00	20:12:00	21,03185	20,670574	2,314887	3,478939	2,6986213	2,4515123	0,0415962	535,83624
19-12-2019 0:00	20:13:00	21,03185	20,670574	2,3130786	3,4760427	2,7006576	2,4515123	0,0415962	535,7187
19-12-2019 0:00	20:14:00	21,027622	20,670574	2,3130786	3,4760427	2,7010055	2,448619	0,0415962	535,7187
19-12-2019 0:00	20:15:00	21,027622	20,670574	2,3130786	3,4760427	2,7010055	2,4498243	0,0415962	535,7187
19-12-2019 0:00	20:16:00	21,027622	20,670574	2,3130786	3,4760427	2,6991982	2,4498243	0,0415962	535,7187
19-12-2019 0:00	20:17:00	21,023157	20,670574	2,3123553	3,4760427	2,6992664	2,4498243	0,0414877	535,5071
19-12-2019 0:00	20:18:00	21,023157	20,670574	2,3123553	3,4760427	2,6992664	2,4484982	0,0414877	535,5071
19-12-2019 0:00	20:19:00	21,016912	20,655382	2,3123553	3,4735084	2,6992664	2,4484982	0,0414877	535,5071
19-12-2019 0:00	20:20:00	21,016912	20,655382	2,3123553	3,4735084	2,7008533	2,4484982	0,0414877	535,6952



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	21,04	20,68	2,31	3,48	2,70	2,45	0,04	535,75
DESV EST	0,03	0,03	0,01	0,01	0,00	0,01	0,00	0,62
DESV EST %	0,0015	0,0015	0,0023	0,0020	0,0007	0,0022	0,0124	0,0012
MAX	21,10	20,74	2,33	3,49	2,70	2,46	0,04	536,75
MIN	20,98	20,62	2,31	3,47	2,69	2,45	0,04	534,57

Date	Time	IP PRES ACT VAL	STM AHD IP BLADING	STM IP EXHAUST	PRES D/AST	LP PRES ACT VAL	PRES INL LP CSG	PRES CONDR 1	TEMP HP MS U/S ST
		10LBB10FP002  XQ01 bar	10MAB50CP001  XQ01 bar	10MAB50CP021  XQ01 bar	10LAA10CP001  XQ01 BAR	10LBA80FP002  XQ01 bar	10MAC11FP901  XQ01 barabs	10MAG01FP902  XQ01 barabs	10LBA11CT001  XQ01 °C
19-12-2019 0:00	20:21:00	21,024664	20,655382	2,3112702	3,4735084	2,7008533	2,4484982	0,0414877	535,6952
19-12-2019 0:00	20:22:00	21,024664	20,655382	2,3112702	3,4735084	2,7008533	2,4484982	0,0414033	535,6952
19-12-2019 0:00	20:23:00	21,024664	20,655382	2,3112702	3,4735084	2,6963654	2,4484982	0,0414033	535,6952
19-12-2019 0:00	20:24:00	21,024664	20,655382	2,3112702	3,4735084	2,699584	2,4513917	0,0414033	535,6952
19-12-2019 0:00	20:25:00	21,024664	20,655382	2,3112702	3,4735084	2,699584	2,4483776	0,0414033	535,6952
19-12-2019 0:00	20:26:00	21,024664	20,655382	2,3112702	3,4735084	2,699584	2,4483776	0,0412466	535,6952
19-12-2019 0:00	20:27:00	21,024664	20,655382	2,3112702	3,4735084	2,7019038	2,4483776	0,0412466	535,6952
19-12-2019 0:00	20:28:00	21,024664	20,655382	2,3112702	3,4735084	2,6978464	2,449945	0,0412466	535,6952
19-12-2019 0:00	20:29:00	21,019136	20,655382	2,3112702	3,4735084	2,6978464	2,449945	0,0412466	535,366
19-12-2019 0:00	20:30:00	21,019136	20,655382	2,3112702	3,4735084	2,6992202	2,4460871	0,0411743	535,366
19-12-2019 0:00	20:31:00	21,019136	20,655382	2,3112702	3,4735084	2,6992202	2,4484982	0,0411743	535,366
19-12-2019 0:00	20:32:00	21,019136	20,655382	2,3112702	3,4735084	2,7014117	2,4484982	0,0411743	535,366
19-12-2019 0:00	20:33:00	21,007772	20,655382	2,3094616	3,4735084	2,7014117	2,4476542	0,0411743	535,03687
19-12-2019 0:00	20:34:00	21,007772	20,655382	2,3094616	3,4735084	2,7014117	2,4476542	0,0411743	535,03687
19-12-2019 0:00	20:35:00	21,007772	20,655382	2,3094616	3,4735084	2,6981552	2,4476542	0,0411743	535,03687
19-12-2019 0:00	20:36:00	21,007772	20,655382	2,3094616	3,4735084	2,702005	2,4476542	0,0411743	535,03687
19-12-2019 0:00	20:37:00	20,99547	20,655382	2,3094616	3,4735084	2,6966553	2,4476542	0,0410175	535,03687
19-12-2019 0:00	20:38:00	20,99547	20,655382	2,3094616	3,4735084	2,7000773	2,4464486	0,0410175	534,8488
19-12-2019 0:00	20:39:00	21,001724	20,655382	2,3094616	3,4735084	2,700911	2,4464486	0,0410175	534,8488
19-12-2019 0:00	20:40:00	20,995964	20,655382	2,3094616	3,4735084	2,700911	2,4464486	0,041114	534,8488
19-12-2019 0:00	20:41:00	20,995964	20,633682	2,3076532	3,4735084	2,700911	2,4464486	0,041114	534,8488
19-12-2019 0:00	20:42:00	20,995964	20,633682	2,3076532	3,4735084	2,700911	2,4453635	0,041114	534,8488
19-12-2019 0:00	20:43:00	20,989462	20,633682	2,3076532	3,4735084	2,6985183	2,4453635	0,041114	534,5667
19-12-2019 0:00	20:44:00	20,989462	20,633682	2,3076532	3,4735084	2,6985183	2,4453635	0,041114	534,5667
19-12-2019 0:00	20:45:00	20,982115	20,633682	2,3076532	3,4735084	2,6985183	2,4453635	0,041114	534,5667





DATOS	61	61	61	61	61	61	61	61
PROMEDIO	350,54	541,66	254,88	224,85	259,11	20,41	20,28	29,88
DESV EST	0,43	0,58	0,38	0,04	0,36	0,23	0,22	0,22
DESV EST %	0,0012	0,0011	0,0015	0,0002	0,0014	0,0112	0,0107	0,0073
MAX	351,30	542,40	255,50	225,04	259,60	20,76	20,60	30,21
MIN	349,70	540,49	254,20	224,85	258,30	20,10	19,98	29,56

Date	Time	TEMP COLD RHT D/S ST 10LBC10CT001  XQ01 °C	TEMP RHT STM U/S ST 10LBB11CT001  XQ01 °C	IP EXHAUST 10MAB50CT021A  XQ01 °C	TEMP LP MS U/S ST 10LBA80CT003  XQ01 °C	STM BEF LP CSG 10MAC11CT001A  XQ01 °C	T CW U/S CONDR LNE1 10PAB21CT001  XQ01 °C	T CW U/S CONDR LNE2 10PAB22CT001  XQ01 °C	T CW D/S CONDR LNE1 10PAB31CT001  XQ01 °C
19-12-2019 0:00	19:45:00	350,90002	542,39545	255,20001	225,0434	259,40002	20,62536	20,49877	30,052807
19-12-2019 0:00	19:46:00	350,90002	542,39545	255,20001	225,0434	259,40002	20,621744	20,49877	30,069082
19-12-2019 0:00	19:47:00	351,10004	542,39545	255,5	224,84808	259,40002	20,621744	20,529514	30,13057
19-12-2019 0:00	19:48:00	351,10004	542,39545	255,5	224,84808	259,60004	20,670572	20,572916	30,17759
19-12-2019 0:00	19:49:00	351,3	542,39545	255,5	224,84808	259,60004	20,757378	20,572916	30,150463
19-12-2019 0:00	19:50:00	351,3	542,39545	255,5	224,84808	259,60004	20,757378	20,60366	30,17759
19-12-2019 0:00	19:51:00	351,3	542,39545	255,5	224,84808	259,60004	20,728443	20,60366	30,193865
19-12-2019 0:00	19:52:00	351,3	542,39545	255,40002	224,84808	259,60004	20,760996	20,60366	30,193865
19-12-2019 0:00	19:53:00	351,10004	542,39545	255,40002	224,84808	259,60004	20,760996	20,60366	30,193865
19-12-2019 0:00	19:54:00	351,10004	542,39545	255,40002	224,84808	259,60004	20,68504	20,60366	30,206524
19-12-2019 0:00	19:55:00	351,10004	542,39545	255,40002	224,84808	259,60004	20,724827	20,574724	30,175781
19-12-2019 0:00	19:56:00	351,10004	542,39545	255,40002	224,84808	259,60004	20,724827	20,574724	30,184822
19-12-2019 0:00	19:57:00	351	542,39545	255,20001	224,84808	259,5	20,724827	20,543982	30,168547
19-12-2019 0:00	19:58:00	351	542,39545	255,20001	224,84808	259,5	20,690466	20,543982	30,161314
19-12-2019 0:00	19:59:00	351	542,39545	255,20001	224,84808	259,5	20,690466	20,543982	30,150463
19-12-2019 0:00	20:00:00	350,8	542,39545	255,20001	224,84808	259,5	20,690466	20,49877	30,114294
19-12-2019 0:00	20:01:00	350,8	542,39545	255,20001	224,84808	259,5	20,654297	20,49877	30,098017
19-12-2019 0:00	20:02:00	350,8	541,83124	255,20001	224,84808	259,40002	20,654297	20,453558	30,121527
19-12-2019 0:00	20:03:00	350,8	541,83124	255,20001	224,84808	259,40002	20,61632	20,453558	30,08355
19-12-2019 0:00	20:04:00	350,7	541,83124	255,20001	224,84808	259,3	20,61632	20,453558	30,058231
19-12-2019 0:00	20:05:00	350,7	541,83124	255	224,84808	259,3	20,585575	20,453558	30,038338
19-12-2019 0:00	20:06:00	350,7	541,83124	255	224,84808	259,3	20,585575	20,421007	30,034721
19-12-2019 0:00	20:07:00	350,7	541,83124	255	224,84808	259,3	20,50962	20,33601	29,975042
19-12-2019 0:00	20:08:00	350,7	541,83124	255	224,84808	259,3	20,50962	20,33601	29,940681
19-12-2019 0:00	20:09:00	350,5	541,83124	255	224,84808	259,10004	20,4626	20,33601	29,93164
19-12-2019 0:00	20:10:00	350,5	541,83124	255	224,84808	259,10004	20,4626	20,287182	29,879194
19-12-2019 0:00	20:11:00	350,5	541,83124	254,79999	224,84808	259,10004	20,413773	20,287182	29,88462
19-12-2019 0:00	20:12:00	350,5	541,83124	254,79999	224,84808	259,10004	20,413773	20,287182	29,870153
19-12-2019 0:00	20:13:00	350,5	541,5021	254,79999	224,84808	259,10004	20,38303	20,251013	29,853876
19-12-2019 0:00	20:14:00	350,5	541,5021	254,79999	224,84808	259,10004	20,38303	20,251013	29,853876
19-12-2019 0:00	20:15:00	350,5	541,5021	254,79999	224,84808	259,10004	20,38303	20,251013	29,853876
19-12-2019 0:00	20:16:00	350,5	541,5021	254,79999	224,84808	259,10004	20,38303	20,251013	29,839409
19-12-2019 0:00	20:17:00	350,5	541,5021	254,79999	224,84808	259,10004	20,354094	20,258245	29,823133
19-12-2019 0:00	20:18:00	350,5	541,5021	254,79999	224,84808	259	20,354094	20,227503	29,806858
19-12-2019 0:00	20:19:00	350,5	541,5021	254,79999	224,84808	259	20,32335	20,227503	29,806858
19-12-2019 0:00	20:20:00	350,5	541,5021	254,79999	224,84808	259	20,32335	20,146122	29,79058



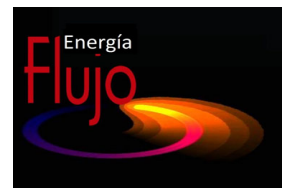
DATOS	61	61	61	61	61	61	61	61
PROMEDIO	350,54	541,66	254,88	224,85	259,11	20,41	20,28	29,88
DESV EST	0,43	0,58	0,38	0,04	0,36	0,23	0,22	0,22
DESV EST %	0,0012	0,0011	0,0015	0,0002	0,0014	0,0112	0,0107	0,0073
MAX	351,30	542,40	255,50	225,04	259,60	20,76	20,60	30,21
MIN	349,70	540,49	254,20	224,85	258,30	20,10	19,98	29,56

Date	Time	TEMP COLD RHT D/S ST	TEMP RHT STM U/S ST	IP EXHAUST	TEMP LP MS U/S ST	STM BEF LP CSG	T CW U/S CONDR LNE1	T CW U/S CONDR LNE2	T CW D/S CONDR LNE1
		10LBC10CT001  XQ01 °C	10LBB11CT001  XQ01 °C	10MAB50CT021A  XQ01 °C	10LBA80CT003  XQ01 °C	10MAC11CT001A  XQ01 °C	10PAB21CT001  XQ01 °C	10PAB22CT001  XQ01 °C	10PAB31CT001  XQ01 °C
19-12-2019 0:00	20:21:00	350,5	541,5021	254,79999	224,84808	259	20,274523	20,19495	29,79058
19-12-2019 0:00	20:22:00	350,5	541,5021	254,79999	224,84808	259	20,274523	20,19495	29,79058
19-12-2019 0:00	20:23:00	350,5	541,5021	254,79999	224,84808	259,10004	20,274523	20,129847	29,777922
19-12-2019 0:00	20:24:00	350,5	541,5021	254,79999	224,84808	259,10004	20,274523	20,129847	29,761646
19-12-2019 0:00	20:25:00	350,5	541,5021	254,79999	224,84808	259,10004	20,274523	20,129847	29,745369
19-12-2019 0:00	20:26:00	350,5	541,5021	254,79999	224,84808	259,10004	20,232927	20,129847	29,72367
19-12-2019 0:00	20:27:00	350,5	541,5021	254,79999	224,84808	258,90002	20,203993	20,070168	29,70016
19-12-2019 0:00	20:28:00	350,3	541,5021	254,79999	224,84808	258,90002	20,203993	20,070168	29,680265
19-12-2019 0:00	20:29:00	350,3	541,5021	254,79999	224,84808	258,90002	20,166016	20,070168	29,682074
19-12-2019 0:00	20:30:00	350,3	541,5021	254,60004	224,84808	258,90002	20,166016	20,039423	29,680265
19-12-2019 0:00	20:31:00	350,3	541,5021	254,60004	224,84808	258,90002	20,166016	20,039423	29,680265
19-12-2019 0:00	20:32:00	350,2	541,5021	254,60004	224,84808	258,90002	20,166016	20,084635	29,660374
19-12-2019 0:00	20:33:00	350,2	540,91437	254,60004	224,84808	258,90002	20,166016	20,084635	29,658564
19-12-2019 0:00	20:34:00	350,10004	540,91437	254,60004	224,84808	258,8	20,166016	20,023148	29,627821
19-12-2019 0:00	20:35:00	350,10004	540,91437	254,40002	224,84808	258,8	20,166016	20,023148	29,644096
19-12-2019 0:00	20:36:00	350,10004	540,91437	254,40002	224,84808	258,60004	20,166016	20,023148	29,597076
19-12-2019 0:00	20:37:00	349,90002	540,91437	254,40002	224,84808	258,60004	20,13708	19,977936	29,56995
19-12-2019 0:00	20:38:00	349,90002	540,91437	254,40002	224,84808	258,60004	20,10272	19,977936	29,580801
19-12-2019 0:00	20:39:00	349,90002	540,91437	254,40002	224,84808	258,60004	20,10272	19,977936	29,564526
19-12-2019 0:00	20:40:00	349,90002	540,91437	254,20001	224,84808	258,5	20,10272	20,023148	29,580801
19-12-2019 0:00	20:41:00	349,8	540,91437	254,20001	224,84808	258,5	20,131655	20,023148	29,624205
19-12-2019 0:00	20:42:00	349,8	540,49115	254,20001	224,84808	258,5	20,131655	20,023148	29,61697
19-12-2019 0:00	20:43:00	349,8	540,49115	254,20001	224,84808	258,5	20,131655	20,023148	29,622395
19-12-2019 0:00	20:44:00	349,7	540,49115	254,20001	224,84808	258,3	20,131655	20,006872	29,604311
19-12-2019 0:00	20:45:00	349,7	540,49115	254,20001	224,84808	258,3	20,164207	20,006872	29,604311



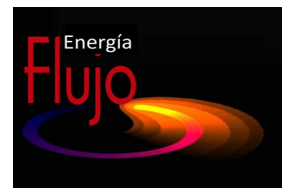
DATOS	61	61	61	61	61	61	61	61
PROMEDIO	29,13	78,49	144,17	33,78	23,26	0,14	17,63	149,93
DESV EST	0,24	0,61	0,21	0,20	0,13	0,02	0,18	0,09
DESV EST %	0,0084	0,0078	0,0015	0,0060	0,0056	0,1166	0,0100	0,0006
MAX	29,52	80,79	144,54	34,04	23,46	0,17	17,89	150,07
MIN	28,80	77,40	143,70	33,47	23,00	0,13	17,37	149,77

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	19:45:00	29,380064	77,85373	143,69574	34,016926	23,460648	0,1681858	17,893518	149,95659
19-12-2019 0:00	19:46:00	29,389105	78,39626	143,82594	33,962673	23,460648	0,1681858	17,893518	149,95659
19-12-2019 0:00	19:47:00	29,399956	78,39626	143,82594	33,962673	23,460648	0,1681858	17,893518	149,95659
19-12-2019 0:00	19:48:00	29,418041	77,91883	143,91275	33,962673	23,460648	0,1681858	17,893518	150,03255
19-12-2019 0:00	19:49:00	29,483145	79,53558	144,06467	33,962673	23,460648	0,1681858	17,893518	149,95659
19-12-2019 0:00	19:50:00	29,474102	79,89366	144,17317	33,962673	23,460648	0,1681858	17,893518	149,95659
19-12-2019 0:00	19:51:00	29,495804	79,89366	144,32509	33,962673	23,460648	0,1681858	17,893518	149,95659
19-12-2019 0:00	19:52:00	29,52293	80,794266	144,5421	33,962673	23,460648	0,1681858	17,893518	149,84808
19-12-2019 0:00	19:53:00	29,501228	79,231766	144,5421	33,962673	23,460648	0,1681858	17,858795	149,77213
19-12-2019 0:00	19:54:00	29,495804	78,61328	144,5421	33,962673	23,460648	0,1681858	17,858795	149,77213
19-12-2019 0:00	19:55:00	29,474102	78,61328	144,5421	34,038628	23,321758	0,1681858	17,858795	149,79384
19-12-2019 0:00	19:56:00	29,47772	79,17751	144,5421	34,038628	23,321758	0,1681858	17,800926	149,79384
19-12-2019 0:00	19:57:00	29,47772	79,17751	144,5421	34,038628	23,321758	0,1681858	17,800926	149,84808
19-12-2019 0:00	19:58:00	29,428892	78,461365	144,5421	34,038628	23,321758	0,1681858	17,800926	149,84808
19-12-2019 0:00	19:59:00	29,399956	78,461365	144,47699	34,038628	23,321758	0,1681858	17,800926	149,84808
19-12-2019 0:00	20:00:00	29,408998	79,27517	144,5421	34,016926	23,321758	0,1681858	17,800926	149,95659
19-12-2019 0:00	20:01:00	29,381872	79,27517	144,5421	34,016926	23,321758	0,1681858	17,708332	149,88063
19-12-2019 0:00	20:02:00	29,371021	78,667534	144,5421	34,016926	23,321758	0,1681858	17,708332	149,88063
19-12-2019 0:00	20:03:00	29,361979	78,667534	144,44444	34,016926	23,321758	0,1320229	17,708332	149,85893
19-12-2019 0:00	20:04:00	29,320385	78,667534	144,44444	33,984375	23,321758	0,1320229	17,708332	149,90234
19-12-2019 0:00	20:05:00	29,291449	78,667534	144,36848	33,984375	23,321758	0,1320229	17,708332	149,90234
19-12-2019 0:00	20:06:00	29,314959	78,667534	144,27083	33,984375	23,321758	0,1320229	17,708332	149,90234
19-12-2019 0:00	20:07:00	29,262514	78,34201	144,27083	33,984375	23,321758	0,1320229	17,708332	149,93489
19-12-2019 0:00	20:08:00	29,217302	78,34201	144,17317	33,91927	23,321758	0,1320229	17,708332	149,93489
19-12-2019 0:00	20:09:00	29,20826	78,34201	144,17317	33,91927	23,321758	0,1320229	17,708332	149,93489
19-12-2019 0:00	20:10:00	29,164858	77,398	144,11891	33,91927	23,321758	0,1320229	17,708332	149,93489
19-12-2019 0:00	20:11:00	29,121454	78,2118	144,11891	33,91927	23,321758	0,1320229	17,708332	149,93489
19-12-2019 0:00	20:12:00	29,119646	78,2118	144,11891	33,91927	23,321758	0,1320229	17,708332	149,92404
19-12-2019 0:00	20:13:00	29,074436	78,2118	144,11891	33,79991	23,321758	0,1320229	17,708332	149,85893
19-12-2019 0:00	20:14:00	29,090712	79,26432	144,11891	33,79991	23,321758	0,1320229	17,604166	149,85893
19-12-2019 0:00	20:15:00	29,074436	77,85373	144,02126	33,79991	23,321758	0,1320229	17,604166	149,85893
19-12-2019 0:00	20:16:00	29,074436	78,667534	144,02126	33,79991	23,321758	0,1320229	17,604166	149,80469
19-12-2019 0:00	20:17:00	29,061775	78,667534	144,02126	33,79991	23,321758	0,1320229	17,604166	149,80469
19-12-2019 0:00	20:18:00	29,002098	78,667534	144,0104	33,713108	23,321758	0,1320229	17,604166	149,77213
19-12-2019 0:00	20:19:00	29,036457	78,667534	143,94531	33,713108	23,159721	0,1320168	17,604166	149,77213
19-12-2019 0:00	20:20:00	29,02199	78,667534	143,94531	33,713108	23,159721	0,1320168	17,546295	149,77213



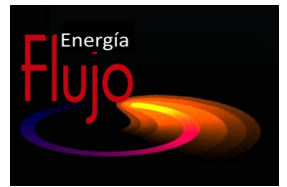
DATOS	61	61	61	61	61	61	61	61
PROMEDIO	29,13	78,49	144,17	33,78	23,26	0,14	17,63	149,93
DESV EST	0,24	0,61	0,21	0,20	0,13	0,02	0,18	0,09
DESV EST %	0,0084	0,0078	0,0015	0,0060	0,0056	0,1166	0,0100	0,0006
MAX	29,52	80,79	144,54	34,04	23,46	0,17	17,89	150,07
MIN	28,80	77,40	143,70	33,47	23,00	0,13	17,37	149,77

Date	Time	T CW D/S CONDR LNE2	TEMP U/S COND P/HTR	TEMP D/S COND P/HTR	T COND TO P/HTR SYST	TEMP FG P/HTR INL	PRES FG P/HTR INL 2 of 3	T FG FG P/HTR OUTL	TEMP FW U/S ECON1
		10PAB32CT001  XQ01 °C	11LCA20CT002  XQ01 °C	11LCA30CT001  XQ01 °C	11LCA20CT001  XQ01 °C	11EKT20CT001  XQ01 °C	11EKT20CP901  XQ01 bar	11EKC20CT001  XQ01 °C	11LAB20CT001  XQ01 °C
19-12-2019 0:00	20:21:00	28,99848	78,07074	143,94531	33,713108	23,159721	0,1320168	17,546295	149,80469
19-12-2019 0:00	20:22:00	28,984013	78,07074	143,99956	33,61545	23,159721	0,1320168	17,546295	149,90234
19-12-2019 0:00	20:23:00	29,018373	78,07074	143,99956	33,61545	23,159721	0,1320168	17,546295	149,90234
19-12-2019 0:00	20:24:00	28,984013	78,07074	143,99956	33,61545	23,159721	0,1320168	17,546295	149,97829
19-12-2019 0:00	20:25:00	29,007523	78,07074	143,99956	33,61545	23,159721	0,1320168	17,47685	149,97829
19-12-2019 0:00	20:26:00	28,920717	78,07074	144,09721	33,61545	23,159721	0,1320168	17,47685	150,0217
19-12-2019 0:00	20:27:00	28,911674	78,07074	144,07552	33,61545	23,159721	0,1320168	17,47685	150,0217
19-12-2019 0:00	20:28:00	28,862846	78,07074	144,07552	33,61545	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:29:00	28,944227	78,07074	144,10806	33,61545	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:30:00	28,913483	78,07074	144,10806	33,61545	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:31:00	28,899015	78,07074	144,10806	33,61545	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:32:00	28,899015	78,86285	144,10806	33,61545	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:33:00	28,88274	77,87543	144,10806	33,61545	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:34:00	28,84838	79,383675	144,10806	33,561195	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:35:00	28,853804	78,244354	144,10806	33,561195	23,159721	0,1320168	17,47685	150,0651
19-12-2019 0:00	20:36:00	28,864655	78,244354	144,10806	33,561195	23,159721	0,1320168	17,47685	150,03255
19-12-2019 0:00	20:37:00	28,819445	78,244354	144,10806	33,474392	23,159721	0,1320168	17,372684	150,03255
19-12-2019 0:00	20:38:00	28,826677	78,244354	144,10806	33,474392	23,159721	0,1320168	17,372684	150,03255
19-12-2019 0:00	20:39:00	28,84838	77,75607	144,07552	33,474392	23,159721	0,1320168	17,372684	149,98915
19-12-2019 0:00	20:40:00	28,803167	77,75607	144,07552	33,474392	23,159721	0,1320168	17,372684	149,98915
19-12-2019 0:00	20:41:00	28,83572	77,962234	144,07552	33,474392	23,159721	0,1320168	17,372684	149,95659
19-12-2019 0:00	20:42:00	28,83572	77,962234	144,07552	33,474392	22,997684	0,1320168	17,372684	149,95659
19-12-2019 0:00	20:43:00	28,853804	77,962234	144,10806	33,474392	22,997684	0,1320168	17,372684	149,92404
19-12-2019 0:00	20:44:00	28,819445	77,962234	144,10806	33,528645	22,997684	0,1320168	17,372684	149,92404
19-12-2019 0:00	20:45:00	28,817635	79,07986	144,04297	33,528645	22,997684	0,1320168	17,372684	149,92404



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,90	136,05	5,21	21,10	-	93,98	10,51	5,28
DESV EST	0,11	0,24	0,02	0,33	0,00	0,34	0,00	0,02
DESV EST %	0,0007	0,0017	0,0041	0,0157	#¡DIV/0!	0,0036	0,0004	0,0042
MAX	149,05	136,53	5,28	21,63	0,00	94,86	10,52	5,33
MIN	148,68	135,39	5,17	20,54	0,00	93,14	10,50	5,20

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01	11LCA31CT002  XQ01	11HHG10CP901  XQ01	11HHG10CT901  XQ01	11HHG10CF901  XQ01	10MKA01CE003A  XQ01	10MKA01CE001A  XQ01	10MKA01CE002A  XQ01
		°C	°C	bar	°C	KG/S	MW	kV	kA
19-12-2019 0:00	19:45:00	148,67621	136,17621	5,2105722	21,6301	0	94,28385	10,518772	5,2656612
19-12-2019 0:00	19:46:00	148,67621	136,17621	5,2105722	21,6301	0	94,12109	10,518772	5,254521
19-12-2019 0:00	19:47:00	148,67621	136,17621	5,2105722	21,6301	0	93,92578	10,5023155	5,278393
19-12-2019 0:00	19:48:00	148,67621	135,99174	5,2105722	21,6301	0	93,8802	10,519242	5,2787905
19-12-2019 0:00	19:49:00	148,67621	135,99174	5,2105722	21,6301	0	93,76953	10,519242	5,2982855
19-12-2019 0:00	19:50:00	148,67621	135,39496	5,2105722	21,6301	0	94,28385	10,519242	5,288737
19-12-2019 0:00	19:51:00	148,93663	135,87239	5,2105722	21,5366	0	94,2513	10,498553	5,297888
19-12-2019 0:00	19:52:00	148,93663	135,87239	5,2105722	21,5366	0	93,95833	10,51454	5,277597
19-12-2019 0:00	19:53:00	148,93663	136,41493	5,2105722	21,5366	0	93,97786	10,51454	5,2974896
19-12-2019 0:00	19:54:00	148,93663	136,41493	5,2105722	21,5366	0	94,23828	10,51454	5,2943068
19-12-2019 0:00	19:55:00	148,93663	136,41493	5,2105722	21,5366	0	94,41406	10,51454	5,2664566
19-12-2019 0:00	19:56:00	148,93663	136,41493	5,2105722	21,5366	0	94,17317	10,51454	5,294705
19-12-2019 0:00	19:57:00	148,93663	136,41493	5,2105722	21,5366	0	94,17317	10,496202	5,294705
19-12-2019 0:00	19:58:00	148,93663	136,26302	5,2105722	21,5366	0	94,43359	10,512189	5,294705
19-12-2019 0:00	19:59:00	148,93663	136,26302	5,1726055	21,5366	0	94,20573	10,512189	5,2895327
19-12-2019 0:00	20:00:00	148,93663	136,26302	5,1726055	21,5366	0	94,58333	10,512189	5,330512
19-12-2019 0:00	20:01:00	148,93663	136,26302	5,1726055	21,278711	0	94,212234	10,512189	5,299479
19-12-2019 0:00	20:02:00	148,93663	136,51259	5,279367	21,278711	0	93,919266	10,512189	5,3317056
19-12-2019 0:00	20:03:00	148,84982	136,20876	5,279367	21,278711	0	93,541664	10,512189	5,282371
19-12-2019 0:00	20:04:00	148,84982	136,20876	5,279367	21,074085	0	94,25781	10,512189	5,2843604
19-12-2019 0:00	20:05:00	148,84982	136,53429	5,279367	21,074085	0	94,27083	10,512189	5,268446
19-12-2019 0:00	20:06:00	148,84982	136,18706	5,279367	21,074085	0	93,606766	10,512189	5,279984
19-12-2019 0:00	20:07:00	148,84982	136,18706	5,218779	21,074085	0	94,2513	10,512189	5,2943068
19-12-2019 0:00	20:08:00	148,84982	136,18706	5,218779	21,074085	0	94,17317	10,512189	5,2787905
19-12-2019 0:00	20:09:00	148,84982	136,18706	5,218779	21,074085	0	94,029945	10,512189	5,28078
19-12-2019 0:00	20:10:00	148,84982	136,18706	5,218779	21,074085	0	93,96484	10,512189	5,3006725
19-12-2019 0:00	20:11:00	148,84982	136,18706	5,218779	21,074085	0	93,359375	10,512189	5,2624784
19-12-2019 0:00	20:12:00	148,84982	136,18706	5,218779	21,074085	0	94,27083	10,512189	5,2819734
19-12-2019 0:00	20:13:00	148,84982	136,18706	5,218779	21,074085	0	94,212234	10,512189	5,2819734
19-12-2019 0:00	20:14:00	148,98003	136,18706	5,2089424	21,074085	0	94,57031	10,5051365	5,2756076
19-12-2019 0:00	20:15:00	148,98003	135,81813	5,2089424	21,074085	0	93,93229	10,5051365	5,2958984
19-12-2019 0:00	20:16:00	148,98003	135,81813	5,2089424	21,074085	0	93,899734	10,5051365	5,268844
19-12-2019 0:00	20:17:00	148,98003	136,14366	5,2089424	21,033789	0	93,96484	10,511249	5,2787905
19-12-2019 0:00	20:18:00	148,98003	136,14366	5,2089424	21,033789	0	93,63281	10,511249	5,2974896
19-12-2019 0:00	20:19:00	148,98003	135,90494	5,2089424	21,033789	0	93,94531	10,511249	5,2047887
19-12-2019 0:00	20:20:00	148,98003	135,90494	5,2089424	21,033789	0	94,40755	10,511249	5,2847586



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	148,90	136,05	5,21	21,10	-	93,98	10,51	5,28
DESV EST	0,11	0,24	0,02	0,33	0,00	0,34	0,00	0,02
DESV EST %	0,0007	0,0017	0,0041	0,0157	#iDIV/0!	0,0036	0,0004	0,0042
MAX	149,05	136,53	5,28	21,63	0,00	94,86	10,52	5,33
MIN	148,68	135,39	5,17	20,54	0,00	93,14	10,50	5,20

Date	Time	TEMP IP FW HDR	TEMP COND TO LP	PRES U/S FG C-V 10F2	TEMP U/S FG C-V 10F2	FLOW FG POST FIR SYS	ACTIV PWR ST GEN	ST GEN VOLT L1-L2	GEN CURRENT L1
		11LAB50CT001  XQ01 °C	11LCA31CT002  XQ01 °C	11HHG10CP901  XQ01 bar	11HHG10CT901  XQ01 °C	11HHG10CF901  XQ01 KG/S	10MKA01CE003A  XQ01 MW	10MKA01CE001A  XQ01 kV	10MKA01CE002A  XQ01 kA
19-12-2019 0:00	20:21:00	148,98003	135,90494	5,2089424	21,033789	0	93,93229	10,511249	5,2760053
19-12-2019 0:00	20:22:00	148,98003	135,90494	5,2089424	21,033789	0	93,96484	10,511249	5,2760053
19-12-2019 0:00	20:23:00	148,98003	135,90494	5,2089424	21,033789	0	93,82161	10,511249	5,2815757
19-12-2019 0:00	20:24:00	148,98003	135,90494	5,2089424	21,033789	0	93,984375	10,511249	5,2748117
19-12-2019 0:00	20:25:00	148,82812	135,90494	5,2089424	21,033789	0	93,404945	10,511249	5,2748117
19-12-2019 0:00	20:26:00	148,82812	135,90494	5,2089424	21,033789	0	93,73698	10,511249	5,2748117
19-12-2019 0:00	20:27:00	148,82812	135,80728	5,2089424	20,878252	0	94,04297	10,511249	5,2839627
19-12-2019 0:00	20:28:00	148,82812	135,80728	5,2089424	20,878252	0	93,899734	10,511249	5,2819734
19-12-2019 0:00	20:29:00	148,82812	135,80728	5,2089424	20,878252	0	93,359375	10,511249	5,2795863
19-12-2019 0:00	20:30:00	148,82812	135,99174	5,2089424	20,878252	0	94,010414	10,511249	5,2656612
19-12-2019 0:00	20:31:00	148,82812	135,99174	5,2089424	20,878252	0	93,33333	10,511249	5,2600913
19-12-2019 0:00	20:32:00	148,82812	135,63368	5,2089424	20,878252	0	93,60026	10,511249	5,217918
19-12-2019 0:00	20:33:00	148,82812	136,07855	5,2089424	20,878252	0	93,73047	10,511249	5,2624784
19-12-2019 0:00	20:34:00	148,82812	136,07855	5,2089424	20,878252	0	94,04297	10,511249	5,277597
19-12-2019 0:00	20:35:00	149,04514	136,07855	5,2089424	20,713774	0	94,86328	10,511249	5,2588973
19-12-2019 0:00	20:36:00	149,04514	135,75304	5,2089424	20,713774	0	94,04297	10,511249	5,22309
19-12-2019 0:00	20:37:00	149,04514	135,9592	5,2089424	20,713774	0	94,322914	10,511249	5,2616825
19-12-2019 0:00	20:38:00	149,04514	135,9592	5,2089424	20,713774	0	93,52213	10,511249	5,230252
19-12-2019 0:00	20:39:00	149,04514	135,9592	5,2089424	20,713774	0	93,138016	10,511249	5,2927155
19-12-2019 0:00	20:40:00	149,04514	135,57942	5,2089424	20,713774	0	94,04297	10,511249	5,308232
19-12-2019 0:00	20:41:00	149,04514	135,9809	5,2089424	20,540344	0	93,95182	10,511249	5,296296
19-12-2019 0:00	20:42:00	149,04514	135,9809	5,2089424	20,540344	0	93,984375	10,511249	5,2764034
19-12-2019 0:00	20:43:00	149,04514	135,74219	5,2113485	20,540344	0	93,36588	10,511249	5,2764034
19-12-2019 0:00	20:44:00	149,04514	135,74219	5,2113485	20,540344	0	93,717445	10,511249	5,2815757
19-12-2019 0:00	20:45:00	149,04514	135,74219	5,2113485	20,540344	0	93,99739	10,511249	5,26208



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,32	5,31	0,97	546,02	2,39	6,66	285,56	90,98
DESV EST	0,02	0,02	0,00	3,94	0,27	0,00	1,46	2,78
DESV EST %	0,0032	0,0040	0,0019	0,0072	0,1128	0,0005	0,0051	0,0305
MAX	5,35	5,35	0,98	552,73	2,48	6,67	289,23	92,37
MIN	5,27	5,25	0,97	535,84	0,33	6,65	281,74	76,04

Date	Time	GEN CURRENT L2		GEN CURRENT L3		ST GEN PWR FACTOR		MAX EXCITATION CURRENT		ACT PWR ST AUX TFR		V L1-L2 ST U SWGR		CURR L2 ST AUX FDR		UNIT LOAD SETPOINT ST	
		10MKA01CE002B  XQ01		10MKA01CE002C  XQ01		10MKC01DE503  ZQ01		10MKC01EU001  ZQ01		10BBT01CE003  XQ01		10BBF00CE001  XQ01		10BBT01CE102  XQ01		11CJA00DE100  XQ96	
		kA		kA		cos phi		A		MW		KV		A		MW	
19-12-2019 0:00	19:45:00	5,322555	5,300275	0,9711914	547,0703	2,4302227	6,663339	285,64453	91,54289								
19-12-2019 0:00	19:46:00	5,301866	5,2847586	0,9767456	538,5742	2,4302227	6,663339	285,53604	91,4329								
19-12-2019 0:00	19:47:00	5,3352866	5,2974896	0,9724731	543,0664	2,4302227	6,663625	285,6988	91,548904								
19-12-2019 0:00	19:48:00	5,306243	5,2899303	0,9724731	545,7031	2,4302227	6,66191	287,4349	91,55056								
19-12-2019 0:00	19:49:00	5,32534	5,299877	0,9724731	545,41016	2,4325955	6,66191	284,3967	91,448784								
19-12-2019 0:00	19:50:00	5,344437	5,306243	0,9724731	546,1914	2,4124277	6,66191	283,63718	91,85007								
19-12-2019 0:00	19:51:00	5,331308	5,3384695	0,9724731	546,875	2,4480178	6,66191	286,24133	76,21178								
19-12-2019 0:00	19:52:00	5,311813	5,3034577	0,9724731	540,72266	2,430816	6,66191	286,89236	91,603905								
19-12-2019 0:00	19:53:00	5,3340926	5,3034577	0,9724731	546,1914	2,389294	6,66191	286,5126	91,61097								
19-12-2019 0:00	19:54:00	5,3261356	5,3325014	0,9724731	546,97266	2,4509838	6,66191	287,4349	76,035995								
19-12-2019 0:00	19:55:00	5,3042536	5,294705	0,9690552	548,4375	2,4005642	6,66191	287,97745	91,4228								
19-12-2019 0:00	19:56:00	5,3205657	5,2899303	0,9690552	549,02344	2,445645	6,666482	286,24133	91,59908								
19-12-2019 0:00	19:57:00	5,3293185	5,3038554	0,9690552	549,02344	2,3934462	6,6667676	287,81467	91,499054								
19-12-2019 0:00	19:58:00	5,3340926	5,3094254	0,9690552	550,78125	2,437934	6,6604815	285,6988	91,53759								
19-12-2019 0:00	19:59:00	5,311813	5,301866	0,9697266	548,14453	2,437934	6,6604815	289,22528	91,4665								
19-12-2019 0:00	20:00:00	5,3352866	5,3496094	0,9697266	552,7344	2,4533565	6,6596246	286,45834	91,717995								
19-12-2019 0:00	20:01:00	5,3472223	5,3317056	0,9697266	549,8047	2,4391203	6,662482	283,74567	91,62815								
19-12-2019 0:00	20:02:00	5,3496094	5,3042536	0,9697266	547,0703	2,4503906	6,662482	286,07858	91,4991								
19-12-2019 0:00	20:03:00	5,3325014	5,3034577	0,9697266	541,0156	2,4231048	6,663625	285,42752	91,59085								
19-12-2019 0:00	20:04:00	5,32534	5,3074365	0,9725952	551,3672	2,4231048	6,6604815	285,42752	91,473595								
19-12-2019 0:00	20:05:00	5,3293185	5,3233504	0,9688721	552,2461	2,4266636	6,6604815	287,70618	91,1837								
19-12-2019 0:00	20:06:00	5,327329	5,3325014	0,9688721	548,33984	2,4616609	6,6550527	287,16364	91,50796								
19-12-2019 0:00	20:07:00	5,302662	5,297888	0,9729614	547,85156	2,4468315	6,653624	286,8381	91,22393								
19-12-2019 0:00	20:08:00	5,3245444	5,28635	0,9729614	545,01953	2,4468315	6,661053	285,37326	91,291374								
19-12-2019 0:00	20:09:00	5,3122106	5,307834	0,9710083	547,65625	2,4266636	6,661053	285,37326	91,51742								
19-12-2019 0:00	20:10:00	5,3285227	5,3512006	0,9710083	550,58594	2,4266636	6,661053	286,34982	92,37324								
19-12-2019 0:00	20:11:00	5,3114147	5,299877	0,9710083	535,83984	2,465813	6,6713395	286,78387	90,41655								
19-12-2019 0:00	20:12:00	5,3285227	5,28078	0,973938	544,72656	2,4142072	6,6607676	284,88498	91,52753								
19-12-2019 0:00	20:13:00	5,276801	5,3014684	0,973938	547,85156	2,417173	6,6607676	285,75305	91,402084								
19-12-2019 0:00	20:14:00	5,330512	5,336082	0,9703979	545,41016	2,437934	6,6656246	283,90842	91,62463								
19-12-2019 0:00	20:15:00	5,32534	5,2899303	0,9703979	548,14453	2,4053094	6,662196	287,54343	91,5009								
19-12-2019 0:00	20:16:00	5,3241463	5,302662	0,9713135	545,5078	2,417766	6,662196	286,6211	91,61934								
19-12-2019 0:00	20:17:00	5,3293185	5,3512006	0,9713135	546,1914	2,397005	6,662196	284,0712	91,89161								
19-12-2019 0:00	20:18:00	5,3245444	5,300275	0,973877	547,5586	2,397005	6,65991	283,8542	91,59624								
19-12-2019 0:00	20:19:00	5,300275	5,2600913	0,973877	541,21094	2,4189525	6,662196	284,12546	91,269554								
19-12-2019 0:00	20:20:00	5,3046513	5,3074365	0,973877	547,0703	2,4124277	6,662196	284,34247	91,550705								



DATOS	61	61	61	61	61	61	61	61
PROMEDIO	5,32	5,31	0,97	546,02	2,39	6,66	285,56	90,98
DESV EST	0,02	0,02	0,00	3,94	0,27	0,00	1,46	2,78
DESV EST %	0,0032	0,0040	0,0019	0,0072	0,1128	0,0005	0,0051	0,0305
MAX	5,35	5,35	0,98	552,73	2,48	6,67	289,23	92,37
MIN	5,27	5,25	0,97	535,84	0,33	6,65	281,74	76,04

Date	Time	GEN CURRENT		ST GEN PWR FACTOR	MAX EXCITATION CURRENT	ACT PWR ST AUX TFR	V L1-L2 ST U SWGR	CURR L2 ST AUX FDR	UNIT LOAD SETPOINT ST
		10MKA01CE002B  XQ01 kA	10MKA01CE002C  XQ01 kA	10MKC01DE503  ZQ01 cos phi	10MKC01EU001  ZQ01 A	10BBT01CE003  XQ01 MW	10BBF00CE001  XQ01 KV	10BBT01CE102  XQ01 A	11CJA00DE100  XQ96 MW
19-12-2019 0:00	20:21:00	5,310221	5,308232	0,973877	544,1406	2,3857348	6,662196	283,58292	91,560684
19-12-2019 0:00	20:22:00	5,3293185	5,308232	0,973877	542,77344	2,4426794	6,662196	286,78387	90,953964
19-12-2019 0:00	20:23:00	5,2764034	5,2927155	0,973877	541,1133	2,4302227	6,661053	283,63718	91,48071
19-12-2019 0:00	20:24:00	5,317383	5,3014684	0,9725342	544,4336	2,3904803	6,661053	282,49783	91,480225
19-12-2019 0:00	20:25:00	5,3177805	5,2839627	0,9725342	544,04297	2,417766	6,6650534	281,73828	91,048164
19-12-2019 0:00	20:26:00	5,3277273	5,301866	0,9725342	540,625	2,3952255	6,65991	284,66797	91,392654
19-12-2019 0:00	20:27:00	5,3245444	5,35319	0,9725342	546,58203	2,4148002	6,659053	285,15625	92,081566
19-12-2019 0:00	20:28:00	5,329716	5,3074365	0,9725342	546,3867	2,4005642	6,6604815	285,37326	91,78319
19-12-2019 0:00	20:29:00	5,327329	5,3074365	0,9725342	546,1914	2,4539497	6,6596246	285,26477	91,58447
19-12-2019 0:00	20:30:00	5,3106194	5,278393	0,9748535	541,3086	2,4112413	6,6607676	285,2105	91,83713
19-12-2019 0:00	20:31:00	5,307834	5,2839627	0,9748535	538,28125	2,4213252	6,664196	285,42752	91,2867
19-12-2019 0:00	20:32:00	5,279984	5,248951	0,9748535	536,23047	2,3566694	6,6607676	283,8542	91,065346
19-12-2019 0:00	20:33:00	5,273618	5,2982855	0,9748535	538,28125	2,4142072	6,6627674	283,74567	90,743996
19-12-2019 0:00	20:34:00	5,3094254	5,3006725	0,9754639	547,0703	0,3262442	6,6627674	284,2882	91,00904
19-12-2019 0:00	20:35:00	5,325738	5,2935114	0,9725342	542,96875	2,4005642	6,6627674	284,34247	90,836296
19-12-2019 0:00	20:36:00	5,3432436	5,297888	0,9725342	545,1172	2,4201388	6,6510525	284,61374	91,02387
19-12-2019 0:00	20:37:00	5,2919197	5,3042536	0,9725342	549,1211	2,4201388	6,6527667	284,72223	91,27191
19-12-2019 0:00	20:38:00	5,317383	5,2903285	0,9725342	549,5117	2,4438658	6,649052	285,6988	91,65356
19-12-2019 0:00	20:39:00	5,3145976	5,3034577	0,9725342	546,6797	2,4361544	6,66191	286,02432	91,85602
19-12-2019 0:00	20:40:00	5,30863	5,333695	0,9725342	551,85547	2,4320023	6,659053	284,9935	91,931244
19-12-2019 0:00	20:41:00	5,327329	5,353986	0,9725342	551,5625	2,4005642	6,6604815	285,97006	92,13838
19-12-2019 0:00	20:42:00	5,345233	5,285952	0,9711914	548,6328	2,417173	6,6564813	286,89236	91,59032
19-12-2019 0:00	20:43:00	5,3301144	5,300275	0,9711914	548,6328	2,417766	6,6596246	285,53604	91,263626
19-12-2019 0:00	20:44:00	5,3277273	5,301866	0,9694824	550,29297	2,4753036	6,663339	286,78387	91,58068
19-12-2019 0:00	20:45:00	5,306243	5,299479	0,9745483	550,09766	2,4438658	6,663339	287,9232	91,80099





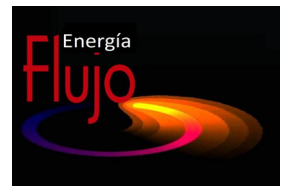
DATOS	31	31	31	31	31	31
PROMEDIO	3524,36857	1145,256852	15.967	8.044	211.481	68.877
DESV EST	6,91565166	63,00060443	3,021318	60,605648	642	3.926
DESV EST %					0,0030	0,0570
MAX	3538,5227	1239,5922	15973,88	8141,9751	210.104	63.453
MIN	3512,0718	1041,59	15961,23	7948,7905	212.772	75227,59

Date	Time	kWh rec int	kVARh rec int	VII avg	I avg	kW tot	kVAR tot
18-12-2019	9:00:00000	3531,1213	1164,4725	15962,36	8090,0894	-212344,5	-70263,48
18-12-2019	9:01:00000	3538,5227	1187,8438	15967,75	8073,9854	-211853,3	-70570,38
18-12-2019	9:02:00000	3532,1611	1182,8114	15961,23	8138,5405	-212772	-72815,65
18-12-2019	9:03:00000	3533,7878	1196,1194	15968,12	8096,707	-211872,3	-72492,88
18-12-2019	9:04:00000	3529,7957	1201,2229	15967,48	8089,6343	-211849,7	-71926,02
18-12-2019	9:05:00000	3529,6438	1212,2772	15965,72	8102,1187	-211458,8	-74043,05
18-12-2019	9:06:00000	3527,1677	1213,468	15962,85	8141,9751	-212374,4	-74325,24
18-12-2019	9:07:00000	3523,2222	1231,2192	15965,06	8122,6406	-211632,8	-75227,59
18-12-2019	9:08:00000	3527,8481	1222,689	15970,24	8067,9277	-211048,9	-72533,03
18-12-2019	9:09:00000	3528,1201	1229,9741	15971,35	8102,5488	-211651	-73767,65
18-12-2019	9:10:00000	3528,5149	1236,1278	15964,71	8132,1846	-211869,3	-75023
18-12-2019	9:11:00000	3525,4556	1239,5922	15969,47	8099,8638	-211577,9	-73672,02
18-12-2019	9:12:00000	3529,7109	1178,0266	15964,41	8048,5684	-211632,2	-68844,95
18-12-2019	9:13:00000	3527,0515	1131,7167	15966,78	8052,6528	-211860,3	-68613,35
18-12-2019	9:14:00000	3526,3738	1138,4415	15965,51	8055,6709	-211904,1	-68693,14
18-12-2019	9:15:00000	3527,7903	1145,0527	15965,56	8068,7549	-212074,5	-69340,38
18-12-2019	9:16:00000	3531,1563	1137,1683	15966,98	8057,5103	-211954,5	-68768,98
18-12-2019	9:17:00000	3528,6763	1143,8887	15968,51	8028,5093	-211363,5	-68059,35
18-12-2019	9:18:00000	3528,7993	1143,4326	15968,34	8066,6841	-211883,6	-69859,57
18-12-2019	9:19:00000	3517,1665	1141,8021	15971,29	7997,2588	-211054,2	-66307,14
18-12-2019	9:20:00000	3518,4814	1109,7378	15967,51	7986,6372	-210669,3	-66376,79
18-12-2019	9:21:00000	3518,0032	1100,7474	15973,88	7948,7905	-210104,4	-64967
18-12-2019	9:22:00000	3516,4753	1101,1637	15967,27	7977,396	-210598,5	-65735,99
18-12-2019	9:23:00000	3513,3772	1101,6473	15973,3	7966,0059	-210406	-65576,09
18-12-2019	9:24:00000	3514,2043	1098,7065	15968,67	7960,3008	-210334,5	-65059,69
18-12-2019	9:25:00000	3515,5073	1065,4542	15966,22	7979,4468	-211242,5	-63785,95
18-12-2019	9:26:00000	3516,1135	1057,5405	15965,02	7987,1841	-211389	-63982,67
18-12-2019	9:27:00000	3519,8098	1047,1066	15965,4	7992,2749	-211701,3	-63453,06
18-12-2019	9:28:00000	3522,4751	1054,7126	15970,59	7958,8789	-210761,3	-63619,05
18-12-2019	9:29:00000	3516,8208	1047,2091	15966,18	7964,376	-210810	-63774,58
18-12-2019	9:30:00000	3512,0718	1041,59	15963,85	8001,4624	-211865,7	-63713,38



DATOS	31	31
PROMEDIO	95,0753	49,9549
DESV EST	0,5056	0,0394
DESV EST %		
MAX	94,2242	50,0213
MIN	95,7898	49,8727

Date	Time	PF sign tot	Freq
18-12-2019	9:00:00000	-94,937576	49,991577
18-12-2019	9:01:00000	-94,874695	49,923309
18-12-2019	9:02:00000	-94,612961	49,965954
18-12-2019	9:03:00000	-94,614998	49,899586
18-12-2019	9:04:00000	-94,691284	49,924919
18-12-2019	9:05:00000	-94,381317	49,872658
18-12-2019	9:06:00000	-94,386635	49,922794
18-12-2019	9:07:00000	-94,224228	49,890202
18-12-2019	9:08:00000	-94,570732	49,936016
18-12-2019	9:09:00000	-94,428909	49,938957
18-12-2019	9:10:00000	-94,264687	49,971439
18-12-2019	9:11:00000	-94,438637	50,010162
18-12-2019	9:12:00000	-95,094887	49,986088
18-12-2019	9:13:00000	-95,135201	49,961674
18-12-2019	9:14:00000	-95,126564	50,006451
18-12-2019	9:15:00000	-95,048431	50,011879
18-12-2019	9:16:00000	-95,118729	50,021313
18-12-2019	9:17:00000	-95,186958	49,988651
18-12-2019	9:18:00000	-94,97113	49,937119
18-12-2019	9:19:00000	-95,402496	50,007053
18-12-2019	9:20:00000	-95,377792	49,941429
18-12-2019	9:21:00000	-95,536972	49,900944
18-12-2019	9:22:00000	-95,457802	49,949341
18-12-2019	9:23:00000	-95,47068	49,939251
18-12-2019	9:24:00000	-95,53421	49,94923
18-12-2019	9:25:00000	-95,730934	49,95018
18-12-2019	9:26:00000	-95,711807	49,96439
18-12-2019	9:27:00000	-95,789764	49,991489
18-12-2019	9:28:00000	-95,73365	49,93924
18-12-2019	9:29:00000	-95,715942	49,911091
18-12-2019	9:30:00000	-95,763489	49,997044



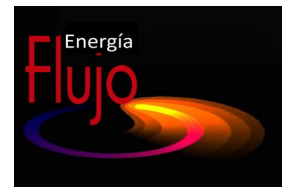
Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
DATOS		31	31	31	31	31
PROMEDIO		3387,16186	1159,24656	15966224,1	7774,22165	203.366
DESV EST		0,91657387	31,3534475	1735,18722	26,5202577	346
DESV EST %						0,0017
MAX		3389,4558	1212,0814	15969425	7814,0439	202.487
MIN		3385,7771	1115,3304	15962830	7705,0786	203.931
Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
18-12-2019	10:15:00000	3388,3706	1124,8301	15965209	7780,792	-203804,2
18-12-2019	10:16:00000	3386,6775	1131,5	15965227	7773,6748	-203694,5
18-12-2019	10:17:00000	3385,9453	1132,8694	15967471	7739,6997	-203674,7
18-12-2019	10:18:00000	3388,4058	1128,7965	15967369	7750,5508	-203024,1
18-12-2019	10:19:00000	3387,7515	1115,3304	15965740	7749,9219	-203367,9
18-12-2019	10:20:00000	3387,5012	1116,9073	15968818	7718,793	-202937,2
18-12-2019	10:21:00000	3386,6438	1122,6812	15965905	7750,4067	-203526,5
18-12-2019	10:22:00000	3386,949	1117,9591	15966709	7749,291	-203534
18-12-2019	10:23:00000	3387,0415	1120,1176	15969425	7705,0786	-202618,2
18-12-2019	10:24:00000	3388,447	1124,468	15964041	7772,7422	-203475
18-12-2019	10:25:00000	3385,9194	1139,0789	15966021	7752,0703	-203398,1
18-12-2019	10:26:00000	3387,6011	1144,1379	15969010	7756,8135	-203204
18-12-2019	10:27:00000	3387,1965	1150,9144	15965790	7780,3545	-203519,3
18-12-2019	10:28:00000	3386,6008	1154,9611	15963723	7775	-203596,4
18-12-2019	10:29:00000	3389,4558	1153,6333	15963317	7793,2925	-203470,4
18-12-2019	10:30:00000	3385,7771	1156,3754	15965797	7760,4878	-203027,8
18-12-2019	10:31:00000	3386,4053	1158,6132	15966988	7760,5425	-203154,2
18-12-2019	10:32:00000	3388,4578	1165,6765	15963935	7811,0215	-203930,9
18-12-2019	10:33:00000	3387,3162	1164,3398	15967442	7779,1934	-203278,7
18-12-2019	10:34:00000	3385,8479	1179,7928	15964688	7792,8643	-203517,4
18-12-2019	10:35:00000	3386,946	1172,7312	15965671	7785,46	-203572,8
18-12-2019	10:36:00000	3387,7214	1178,2813	15962830	7814,0439	-203905,4
18-12-2019	10:37:00000	3386,5193	1185,0966	15964940	7799,1978	-203776,2
18-12-2019	10:38:00000	3387,6602	1181,0422	15966825	7807,2705	-203616,4
18-12-2019	10:39:00000	3387,7527	1184,3533	15966563	7790,416	-203206,8
18-12-2019	10:40:00000	3386,6326	1200,1028	15967428	7803,7148	-203369,3
18-12-2019	10:41:00000	3386,0886	1203,8354	15968830	7778,7935	-202486,6
18-12-2019	10:42:00000	3386,0313	1207,485	15967788	7773,4375	-202960
18-12-2019	10:43:00000	3387,03	1204,4083	15964539	7798,5454	-203413,9
18-12-2019	10:44:00000	3387,3423	1212,0814	15967258	7798,605	-203250,5
18-12-2019	10:45:00000	3387,9822	1204,243	15967650	7798,7959	-203029,5



DATOS		31	31	31
PROMEDIO		69.703	94,5950	49,984
DESV EST		1.989	0,2837	0,045
DESV EST %		0,0285		
MAX		65.834	94,1146	50,072
MIN		72798,07	95,1528	49,875
Date	Time	kVAR tot	PF sign tot	Freq
18-12-2019	10:15:00000	-68960,7	-94,724304	50,008121
18-12-2019	10:16:00000	-68672,7	-94,759682	50,033634
18-12-2019	10:17:00000	-65833,68	-95,152809	50,071945
18-12-2019	10:18:00000	-68749,8	-94,716782	49,874886
18-12-2019	10:19:00000	-67601,02	-94,894653	49,934208
18-12-2019	10:20:00000	-66289,47	-95,05719	49,99371
18-12-2019	10:21:00000	-67173,25	-94,961548	50,032349
18-12-2019	10:22:00000	-67086,25	-94,973961	50,010578
18-12-2019	10:23:00000	-66070,16	-95,07312	49,968124
18-12-2019	10:24:00000	-69191,98	-94,675789	49,961063
18-12-2019	10:25:00000	-67711,25	-94,880653	50,015644
18-12-2019	10:26:00000	-68826,72	-94,714516	50,015553
18-12-2019	10:27:00000	-69786,56	-94,593376	50,004543
18-12-2019	10:28:00000	-69015,43	-94,706627	50,017574
18-12-2019	10:29:00000	-70919,92	-94,428406	49,929695
18-12-2019	10:30:00000	-69525,63	-94,606583	50,016075
18-12-2019	10:31:00000	-69208,17	-94,657982	50,025902
18-12-2019	10:32:00000	-71112,8	-94,423744	49,950024
18-12-2019	10:33:00000	-70453,03	-94,486053	49,991287
18-12-2019	10:34:00000	-70804,09	-94,447456	49,995373
18-12-2019	10:35:00000	-70058,12	-94,557236	49,997925
18-12-2019	10:36:00000	-71394,91	-94,38179	50,019581
18-12-2019	10:37:00000	-70602,64	-94,489326	50,018387
18-12-2019	10:38:00000	-71813,87	-94,306412	49,984871
18-12-2019	10:39:00000	-71563,63	-94,3218	49,92033
18-12-2019	10:40:00000	-72241,42	-94,231361	49,915733
18-12-2019	10:41:00000	-72720,41	-94,114601	49,886589
18-12-2019	10:42:00000	-70898,4	-94,405777	49,97496
18-12-2019	10:43:00000	-71568,03	-94,331757	49,996288
18-12-2019	10:44:00000	-72146,61	-94,239052	49,980618
18-12-2019	10:45:00000	-72798,07	-94,131889	49,94986



DATOS		31	31	31	31	31
PROMEDIO		3237,97606	1084,42635	15904151,3	7439,70099	194.288
DESV EST		1,25755023	10,958564	2387,21509	20,0151031	384
DESV EST %						0,0020
MAX		3240,4089	1106,2334	15907479	7483,9873	193.473
MIN		3234,9695	1064,161	15898115	7397,854	195.276
Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
18-12-2019	11:30:00000	3238,269	1064,161	15906396	7414,6738	-193731,6
18-12-2019	11:31:00000	3240,4089	1068,587	15899674	7473,8394	-195275,5
18-12-2019	11:32:00000	3237,4739	1077,4016	15901033	7443,686	-194542,3
18-12-2019	11:33:00000	3234,9695	1076,4147	15903809	7427,1709	-194175,2
18-12-2019	11:34:00000	3238,959	1086,3101	15906777	7440,7646	-194022,4
18-12-2019	11:35:00000	3239,6863	1076,8232	15902666	7448,8467	-194230,5
18-12-2019	11:36:00000	3236,3171	1081,7815	15898115	7464,3281	-195000,9
18-12-2019	11:37:00000	3238,0068	1080,8716	15902229	7442,4536	-194427,3
18-12-2019	11:38:00000	3237,3718	1082,0497	15906427	7410,8169	-193777,7
18-12-2019	11:39:00000	3239,28	1088,1862	15905710	7418,1846	-193925,9
18-12-2019	11:40:00000	3237,2395	1106,2334	15906334	7457,9287	-194220
18-12-2019	11:41:00000	3238,9197	1093,8096	15906492	7445,4897	-194123,2
18-12-2019	11:42:00000	3236,1128	1094,9591	15901821	7438,9565	-194536,5
18-12-2019	11:43:00000	3238,0935	1100,1748	15906816	7419,0044	-193869
18-12-2019	11:44:00000	3238,5535	1102,2604	15902254	7483,9873	-194774,1
18-12-2019	11:45:00000	3237,0488	1100,5636	15900833	7455,3931	-194362,1
18-12-2019	11:46:00000	3239,3398	1101,7504	15905145	7439,9346	-194204,4
18-12-2019	11:47:00000	3238,0098	1092,9796	15906438	7437,7114	-194295,6
18-12-2019	11:48:00000	3238,6379	1075,5942	15907479	7421,5811	-193959,6
18-12-2019	11:49:00000	3236,9612	1079,3379	15905802	7402,0571	-193856,7
18-12-2019	11:50:00000	3238,698	1066,189	15903558	7439,6406	-194551,1
18-12-2019	11:51:00000	3238,1042	1078,5529	15907001	7397,854	-193472,7
18-12-2019	11:52:00000	3238,3108	1093,3507	15905187	7448,5244	-194172,2
18-12-2019	11:53:00000	3237,3728	1077,1675	15904773	7447,5649	-194655,9
18-12-2019	11:54:00000	3236,884	1077,6794	15903798	7424,2988	-194224,4
18-12-2019	11:55:00000	3239,8962	1079,0671	15903580	7435,1865	-194113,4
18-12-2019	11:56:00000	3236,9717	1082,7302	15904870	7456,8921	-194758,6
18-12-2019	11:57:00000	3239,22	1079,0811	15905950	7439,9551	-194262
18-12-2019	11:58:00000	3237,8413	1093,7114	15902938	7466,6367	-194554,8
18-12-2019	11:59:00000	3235,707	1077,1711	15902390	7436,4585	-194423,4
18-12-2019	12:00:00000	3238,593	1082,267	15902394	7450,9106	-194434,1



Date	Time	kVAR tot	PF sign tot	Freq
	DATOS	31	31	31
	PROMEDIO	65.195	94,8042	49,9608
	DESV EST	962	0,1383	0,0354
	DESV EST %	0,0148		
	MAX	63.273	94,4902	50,0425
	MIN	67477,8	95,0644	49,9022
18-12-2019	11:30:00000	-64783	-94,838058	49,911568
18-12-2019	11:31:00000	-65031,27	-94,877159	49,96217
18-12-2019	11:32:00000	-64660,23	-94,895691	49,971817
18-12-2019	11:33:00000	-64434,56	-94,910843	49,947769
18-12-2019	11:34:00000	-66183,92	-94,645073	49,904987
18-12-2019	11:35:00000	-66098,45	-94,66835	49,912453
18-12-2019	11:36:00000	-64961,9	-94,873932	50,042511
18-12-2019	11:37:00000	-64944,16	-94,848541	49,997559
18-12-2019	11:38:00000	-64309,98	-94,909767	49,966595
18-12-2019	11:39:00000	-64478,73	-94,892265	49,972279
18-12-2019	11:40:00000	-67046	-94,526253	49,940044
18-12-2019	11:41:00000	-66278,46	-94,636108	49,934536
18-12-2019	11:42:00000	-64294,88	-94,948647	50,038445
18-12-2019	11:43:00000	-64763,85	-94,847633	49,98666
18-12-2019	11:44:00000	-67477,8	-94,490204	49,918072
18-12-2019	11:45:00000	-66197,09	-94,660347	49,980316
18-12-2019	11:46:00000	-65510,17	-94,754227	49,932777
18-12-2019	11:47:00000	-65098,32	-94,81945	49,925621
18-12-2019	11:48:00000	-64745,52	-94,854774	49,902195
18-12-2019	11:49:00000	-63273,41	-95,064415	49,967106
18-12-2019	11:50:00000	-64382,87	-94,936546	49,953259
18-12-2019	11:51:00000	-64119,55	-94,922844	49,95525
18-12-2019	11:52:00000	-66343,87	-94,628853	49,956356
18-12-2019	11:53:00000	-64810,03	-94,879333	49,993652
18-12-2019	11:54:00000	-64035,45	-94,97139	50,018291
18-12-2019	11:55:00000	-65309,23	-94,779373	49,988762
18-12-2019	11:56:00000	-65318,83	-94,809853	49,964935
18-12-2019	11:57:00000	-65375,26	-94,777008	49,955769
18-12-2019	11:58:00000	-66677,7	-94,598595	49,955658
18-12-2019	11:59:00000	-64443,3	-94,921585	49,978638
18-12-2019	12:00:00000	-65665,48	-94,742737	49,949303



DATOS	31	31	31	31	31
PROMEDIO	3106,13453	941,602882	15841962,3	7101,53772	186.453
DESV EST	0,81800353	11,0142624	2296,08727	20,8401556	352
DESV EST %					0,0019
MAX	3107,6082	964,6427	15848697	7143,9604	185.481
MIN	3104,4358	925,469666	15837749	7051,2554	187.057

Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
18-12-2019	12:15:00000	3105,0127	925,469666	15840544	7087,4258	-186350
18-12-2019	12:16:00000	3107,6082	932,101501	15839860	7119,6968	-186533,1
18-12-2019	12:17:00000	3106,9521	932,408752	15839291	7123,7593	-186902,4
18-12-2019	12:18:00000	3104,949	930,63092	15844635	7074,9648	-186163,9
18-12-2019	12:19:00000	3106,5852	926,969055	15845861	7075,8589	-186041,3
18-12-2019	12:20:00000	3105,166	933,024536	15837749	7128,375	-187000,2
18-12-2019	12:21:00000	3107,3438	937,253967	15841416	7113,0005	-186720,7
18-12-2019	12:22:00000	3106,3879	946,59729	15841955	7122,5557	-186888,2
18-12-2019	12:23:00000	3104,5569	942,50354	15843188	7090,292	-186290,2
18-12-2019	12:24:00000	3106,4744	944,016357	15841064	7097,1426	-186366,2
18-12-2019	12:25:00000	3105,2734	942,112305	15843207	7084,2656	-186365,8
18-12-2019	12:26:00000	3106,208	940,666809	15842785	7092,7114	-186340,9
18-12-2019	12:27:00000	3107,2131	936,239319	15841021	7111,8291	-186349,9
18-12-2019	12:28:00000	3105,2422	951,137024	15839840	7124,7314	-186872,9
18-12-2019	12:29:00000	3105,79	956,709473	15848697	7051,2554	-185481
18-12-2019	12:30:00000	3106,1174	947,092651	15840469	7127,8149	-186815,4
18-12-2019	12:31:00000	3106,2371	946,173096	15841503	7093,6099	-186424,2
18-12-2019	12:32:00000	3106,4795	948,011536	15843688	7086,2041	-186092,5
18-12-2019	12:33:00000	3107,2053	953,301147	15842381	7113,0166	-186557,8
18-12-2019	12:34:00000	3106,1787	959,943848	15844483	7104,106	-186147,7
18-12-2019	12:35:00000	3106,3586	955,703857	15841033	7143,9604	-187057,2
18-12-2019	12:36:00000	3104,4358	964,6427	15842374	7116,1548	-186339,6
18-12-2019	12:37:00000	3106,55	957,63324	15842942	7112,3804	-186568,7
18-12-2019	12:38:00000	3105,9783	951,827148	15839043	7109,6406	-186413,2
18-12-2019	12:39:00000	3106,8762	926,486877	15841512	7100,9375	-186555,4
18-12-2019	12:40:00000	3105,5061	939,412109	15839972	7096,5371	-186484,4
18-12-2019	12:41:00000	3106,6436	934,699768	15840657	7103,5337	-186662,3
18-12-2019	12:42:00000	3106,5544	938,281128	15838573	7114,6182	-186876
18-12-2019	12:43:00000	3106,2671	931,389404	15843896	7066,5405	-185808,3
18-12-2019	12:44:00000	3105,4475	930,502808	15843499	7082,5229	-186430,5
18-12-2019	12:45:00000	3106,5718	926,747498	15843694	7078,2275	-186137,8



Date	Time	kVAR tot	PF sign tot	Freq
	DATOS	31	31	31
	PROMEDIO	56.602	95,6873	50,01
	DESV EST	1.019	0,1385	0,03
	DESV EST %	0,0180		
	MAX	54.929	95,4299	50,09
	MIN	58560,96	95,9231	49,94
18-12-2019	12:15:00000	-55545,87	-95,833313	50,086647
18-12-2019	12:16:00000	-57957,68	-95,496536	50,009048
18-12-2019	12:17:00000	-57112,95	-95,634605	50,025578
18-12-2019	12:18:00000	-55148,4	-95,881393	50,05867
18-12-2019	12:19:00000	-55699,35	-95,79863	50,000317
18-12-2019	12:20:00000	-57160,49	-95,632072	50,043682
18-12-2019	12:21:00000	-56785,12	-95,673515	50,000134
18-12-2019	12:22:00000	-57159,8	-95,627274	50,006565
18-12-2019	12:23:00000	-56132,16	-95,747887	50,003654
18-12-2019	12:24:00000	-56441,8	-95,707115	49,995464
18-12-2019	12:25:00000	-55304,33	-95,867912	50,055149
18-12-2019	12:26:00000	-56177,09	-95,743683	50,032742
18-12-2019	12:27:00000	-57866,48	-95,501518	49,966385
18-12-2019	12:28:00000	-57324,03	-95,603073	50,020424
18-12-2019	12:29:00000	-55337,13	-95,826195	50,000706
18-12-2019	12:30:00000	-57822,58	-95,52877	50,018356
18-12-2019	12:31:00000	-55931,29	-95,782059	50,017265
18-12-2019	12:32:00000	-56421,49	-95,698181	50,034447
18-12-2019	12:33:00000	-57360,44	-95,583946	50,007523
18-12-2019	12:34:00000	-57945,94	-95,480827	49,996792
18-12-2019	12:35:00000	-58560,96	-95,432648	50,001263
18-12-2019	12:36:00000	-58354,95	-95,429924	50,007172
18-12-2019	12:37:00000	-57290,06	-95,594551	50,006554
18-12-2019	12:38:00000	-57374,8	-95,575462	49,958778
18-12-2019	12:39:00000	-56195,01	-95,750305	50,002968
18-12-2019	12:40:00000	-55943,8	-95,782845	50,007
18-12-2019	12:41:00000	-56048,68	-95,775566	49,994549
18-12-2019	12:42:00000	-56305,36	-95,74836	50,014191
18-12-2019	12:43:00000	-55500,5	-95,81691	49,942623
18-12-2019	12:44:00000	-54929,22	-95,923065	49,990528
18-12-2019	12:45:00000	-55510,33	-95,829399	50,018913

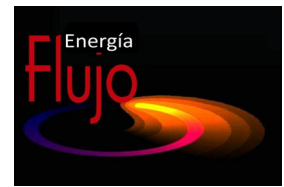




Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
DATOS		31	31	31	31	31
PROMEDIO		2956,49564	832,38551	15843101,9	6716,4808	177.394
DESV EST		0,94414417	10,8917255	1510,70237	17,5273862	380
DESV EST %						0,0021
MAX		2958,3899	849,819397	15846487	6746,2148	176.562
MIN		2954,4495	807,966431	15840225	6681,2231	178.064
Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
18-12-2019	13:30:00000	2955,4421	811,983276	15840225	6696,8394	-177298,1
18-12-2019	13:31:00000	2955,3179	807,966431	15840774	6685,5078	-177408
18-12-2019	13:32:00000	2958,3899	814,111816	15844550	6703,6919	-177168,1
18-12-2019	13:33:00000	2956,1924	810,082336	15842492	6707,6797	-177354,6
18-12-2019	13:34:00000	2955,8418	822,93396	15843766	6709,1924	-177380,3
18-12-2019	13:35:00000	2956,7087	820,797852	15842871	6720,0132	-177492,8
18-12-2019	13:36:00000	2957,5359	823,11084	15843381	6704,7524	-177269,1
18-12-2019	13:37:00000	2954,4495	829,155579	15840965	6733,1655	-178063,7
18-12-2019	13:38:00000	2957,5579	829,263428	15842900	6702,377	-176797,5
18-12-2019	13:39:00000	2957,2322	828,324219	15842568	6704,5381	-177291,9
18-12-2019	13:40:00000	2955,4727	840,116333	15840717	6738,584	-178027,9
18-12-2019	13:41:00000	2957,0227	840,736389	15844741	6694,124	-176756,7
18-12-2019	13:42:00000	2956,6289	830,835022	15844252	6715,8091	-177408,6
18-12-2019	13:43:00000	2955,4751	834,174194	15844105	6703,9717	-177166,1
18-12-2019	13:44:00000	2957,0254	833,010803	15841551	6734,2041	-177867,9
18-12-2019	13:45:00000	2956,7429	837,254883	15846487	6681,2231	-176562,3
18-12-2019	13:46:00000	2957,9141	842,281921	15844744	6715,6563	-176878,8
18-12-2019	13:47:00000	2955,9104	846,317139	15843040	6743,248	-177837,2
18-12-2019	13:48:00000	2955,6641	843,287842	15842499	6744,0649	-177924
18-12-2019	13:49:00000	2956,9309	838,22467	15841759	6746,2148	-177893,5
18-12-2019	13:50:00000	2956,2427	842,057861	15843599	6718,1504	-177227,9
18-12-2019	13:51:00000	2956,458	841,509277	15842582	6743,4331	-177826,7
18-12-2019	13:52:00000	2956,0439	849,819397	15842547	6716,7637	-177350,3
18-12-2019	13:53:00000	2956,4055	845,275574	15843021	6715,0278	-177215,1
18-12-2019	13:54:00000	2958,3787	834,300171	15841347	6739,3682	-177687,4
18-12-2019	13:55:00000	2955,0361	838,077026	15846173	6707,8154	-177131,4
18-12-2019	13:56:00000	2956,9868	832,7453	15844377	6710,8877	-177303,9
18-12-2019	13:57:00000	2955,8545	835,668823	15842541	6728,2568	-177693,8
18-12-2019	13:58:00000	2956,5405	840,09375	15843366	6704,2329	-177028,9
18-12-2019	13:59:00000	2956,7449	831,170288	15844018	6716,0439	-177336,2
18-12-2019	14:00:00000	2957,2178	829,264404	15844202	6726,0674	-177550,2



Date	Time	kVAR tot	PF sign tot	Freq
	DATOS	31	31	31
	PROMEDIO	49.988	96,2505	49,99
	DESV EST	989	0,1380	0,04
	DESV EST %	0,0198		
	MAX	46.604	95,9728	50,06
	MIN	51775,92	96,7185	49,91
18-12-2019	13:30:00000	-48193,31	-96,49855	49,978264
18-12-2019	13:31:00000	-46603,74	-96,718521	50,055553
18-12-2019	13:32:00000	-49561,89	-96,302773	49,945896
18-12-2019	13:33:00000	-49212,79	-96,359123	50,023716
18-12-2019	13:34:00000	-49329,36	-96,343796	50,010445
18-12-2019	13:35:00000	-49991,11	-96,255013	49,977688
18-12-2019	13:36:00000	-49258,45	-96,349403	49,991879
18-12-2019	13:37:00000	-49206,43	-96,387398	50,064507
18-12-2019	13:38:00000	-50669,52	-96,129967	49,950294
18-12-2019	13:39:00000	-49117,64	-96,37001	49,996658
18-12-2019	13:40:00000	-49876,6	-96,292358	50,029308
18-12-2019	13:41:00000	-50064,27	-96,215073	49,950253
18-12-2019	13:42:00000	-49924,93	-96,261024	49,9725
18-12-2019	13:43:00000	-49580,39	-96,300087	50,022774
18-12-2019	13:44:00000	-50039,53	-96,263092	50,025887
18-12-2019	13:45:00000	-49523,49	-96,28421	49,978863
18-12-2019	13:46:00000	-51775,92	-95,972786	49,908092
18-12-2019	13:47:00000	-51118,34	-96,108345	49,986759
18-12-2019	13:48:00000	-50874,2	-96,146858	49,98394
18-12-2019	13:49:00000	-51162,59	-96,104317	49,972366
18-12-2019	13:50:00000	-50768,31	-96,133492	49,952347
18-12-2019	13:51:00000	-51155,22	-96,102615	50,031494
18-12-2019	13:52:00000	-50155,81	-96,22596	50,034863
18-12-2019	13:53:00000	-50477,56	-96,174629	50,006638
18-12-2019	13:54:00000	-51182	-96,09301	49,969902
18-12-2019	13:55:00000	-50177,86	-96,214005	49,967007
18-12-2019	13:56:00000	-49804,2	-96,273933	49,974537
18-12-2019	13:57:00000	-50099,22	-96,247734	49,991909
18-12-2019	13:58:00000	-50062,82	-96,226257	49,937866
18-12-2019	13:59:00000	-50196,14	-96,219658	49,940338
18-12-2019	14:00:00000	-50457,46	-96,191101	49,951138



DATOS		31	31	31	31	31
PROMEDIO		2807,50084	929,298596	15843410,3	6466,52645	168.480
DESV EST		0,9411123	8,37804441	2237,39296	21,8037148	402
DESV EST %						0,0024
MAX		2809,114	942,9729	15847854	6527,3174	167.917
MIN		2805,1008	916,076721	15839559	6422,9775	169.443
Date	Time	kWh rec int	kVARh rec int	Vll avg	I avg	kW tot
18-12-2019	14:45:00000	2808,259	916,076721	15839559	6483,4038	-168920,8
18-12-2019	14:46:00000	2806,9207	916,974182	15845783	6422,9775	-167934,6
18-12-2019	14:47:00000	2808,3435	916,104919	15842364	6472,7251	-168759,5
18-12-2019	14:48:00000	2806,5867	920,874817	15839963	6475,938	-168899,5
18-12-2019	14:49:00000	2808,7441	925,944336	15841321	6476,6626	-168566,3
18-12-2019	14:50:00000	2809,0103	920,711731	15842967	6485,1348	-168653,6
18-12-2019	14:51:00000	2805,1008	927,251953	15842536	6466,2041	-168720,1
18-12-2019	14:52:00000	2806,7734	921,293945	15842880	6451,3218	-168434,8
18-12-2019	14:53:00000	2807,9138	921,934509	15842864	6449,9912	-168419,3
18-12-2019	14:54:00000	2809,114	919,486572	15842885	6461,7944	-168434,2
18-12-2019	14:55:00000	2807,2839	923,623962	15840040	6527,3174	-169443,1
18-12-2019	14:56:00000	2807,1477	922,069031	15843538	6455,4287	-168361,3
18-12-2019	14:57:00000	2806,9583	922,841187	15845998	6444,8081	-168283,1
18-12-2019	14:58:00000	2808,7803	923,584351	15847598	6433,1909	-167983,7
18-12-2019	14:59:00000	2806,7979	929,845459	15843468	6466,0796	-168512,3
18-12-2019	15:00:00000	2807,3494	937,036072	15842909	6475,7207	-168573,3
18-12-2019	15:01:00000	2807,4885	931,471985	15844961	6458,8115	-168040,5
18-12-2019	15:02:00000	2806,9707	939,378784	15841434	6497,0728	-169048,3
18-12-2019	15:03:00000	2807,0737	942,9729	15842323	6460,6016	-168243,4
18-12-2019	15:04:00000	2806,9207	939,231934	15846012	6443,0972	-167953,1
18-12-2019	15:05:00000	2808,9209	931,42627	15839943	6506,353	-169039,9
18-12-2019	15:06:00000	2806,2183	932,382141	15840674	6485,9307	-169120,3
18-12-2019	15:07:00000	2808,2007	929,673523	15842183	6487,5029	-168873,1
18-12-2019	15:08:00000	2807,5046	930,582214	15843182	6474,9688	-168557,9
18-12-2019	15:09:00000	2808,0771	935,309753	15846190	6441,5	-167992,8
18-12-2019	15:10:00000	2807,0471	934,619507	15844366	6447,5454	-168180,2
18-12-2019	15:11:00000	2806,5039	940,854065	15844861	6449,6543	-168081,7
18-12-2019	15:12:00000	2808,7078	942,478027	15844169	6465,3164	-168329,4
18-12-2019	15:13:00000	2807,3293	940,543213	15847854	6454,96	-167917,4
18-12-2019	15:14:00000	2807,74	932,694519	15845446	6472,1274	-168579,1
18-12-2019	15:15:00000	2806,739	938,983887	15845448	6468,1792	-168031,7



Date	Time	kVAR tot	PF sign tot	Freq
	DATOS	31	31	31
	PROMEDIO	55.693	94,9462	49,95
	DESV EST	969	0,1548	0,03
	DESV EST %	0,0174		
	MAX	53.598	94,6194	50,06
	MIN	57950,02	95,2657	49,89
18-12-2019	14:45:00000	-55707,74	-94,968903	49,919254
18-12-2019	14:46:00000	-53597,62	-95,265678	49,962666
18-12-2019	14:47:00000	-55360,19	-95,018089	49,963699
18-12-2019	14:48:00000	-55128,88	-95,064194	49,968792
18-12-2019	14:49:00000	-56247,43	-94,858421	49,925636
18-12-2019	14:50:00000	-56777,09	-94,773628	49,902851
18-12-2019	14:51:00000	-54908,09	-95,091125	49,998096
18-12-2019	14:52:00000	-54476,13	-95,147339	50,011463
18-12-2019	14:53:00000	-54405,55	-95,158188	49,990414
18-12-2019	14:54:00000	-55405,14	-94,992722	49,944271
18-12-2019	14:55:00000	-57950,02	-94,619362	49,914089
18-12-2019	14:56:00000	-55091,58	-95,04113	49,949768
18-12-2019	14:57:00000	-54479,75	-95,138618	49,949223
18-12-2019	14:58:00000	-54424,06	-95,131775	49,958416
18-12-2019	14:59:00000	-55566,58	-94,969986	49,924877
18-12-2019	15:00:00000	-56202,39	-94,866425	49,916416
18-12-2019	15:01:00000	-56405,57	-94,801765	49,894386
18-12-2019	15:02:00000	-56576,16	-94,830109	49,966297
18-12-2019	15:03:00000	-55860,87	-94,90554	49,950409
18-12-2019	15:04:00000	-55338,68	-94,977303	49,938416
18-12-2019	15:05:00000	-57348,33	-94,698639	49,93869
18-12-2019	15:06:00000	-55360,84	-95,037659	50,057556
18-12-2019	15:07:00000	-56301,11	-94,866631	49,986034
18-12-2019	15:08:00000	-56194,25	-94,866936	49,947975
18-12-2019	15:09:00000	-55083,71	-95,02227	49,925987
18-12-2019	15:10:00000	-54979,16	-95,050003	49,939224
18-12-2019	15:11:00000	-55481,32	-94,960449	49,954292
18-12-2019	15:12:00000	-56075,93	-94,874054	49,933666
18-12-2019	15:13:00000	-56537,06	-94,772301	49,912483
18-12-2019	15:14:00000	-55962,36	-94,907219	49,99596
18-12-2019	15:15:00000	-57250,02	-94,656784	49,93906



Date	Time	kWh rec int	kVARh rec int	VII avg	I avg	kW tot
DATOS		31	31	31	31	31
PROMEDIO		2656,816506	914,3067194	15843436,3	6142,13005	159.338
DESV EST		0,699420243	6,599561594	1943,5267	22,8263051	449
DESV EST %						0,0028
MAX		2658,2141	928,87262	15847812	6177,9937	158.487
MIN		2655,5054	902,18634	15839100	6093,2021	160.085
Date	Time	kWh rec int	kVARh rec int	VII avg	I avg	kW tot
18-12-2019	16:00:00000	2657,3677	904,757202	15844313	6138,5518	-159282
18-12-2019	16:01:00000	2656,2556	908,03125	15843674	6114,6904	-159008,5
18-12-2019	16:02:00000	2656,4004	909,972229	15843116	6145,1797	-159470,5
18-12-2019	16:03:00000	2657,9221	910,961792	15843933	6115,0361	-158720,7
18-12-2019	16:04:00000	2656,45	911,845337	15840531	6166,5898	-159920,2
18-12-2019	16:05:00000	2657,9771	920,230591	15843725	6148,1421	-159454
18-12-2019	16:06:00000	2656,4424	918,769348	15842933	6142,5244	-159333,1
18-12-2019	16:07:00000	2657,1528	917,558655	15842630	6160,8633	-159680,2
18-12-2019	16:08:00000	2656,2944	915,316833	15843707	6151,3721	-159480,6
18-12-2019	16:09:00000	2656,8584	914,954041	15842556	6173,8154	-159799,9
18-12-2019	16:10:00000	2655,5054	924,049011	15841474	6166,0347	-159880,7
18-12-2019	16:11:00000	2657,1067	928,87262	15844982	6126,5308	-158663
18-12-2019	16:12:00000	2657,509	925,518677	15840916	6171,4761	-159728,6
18-12-2019	16:13:00000	2656,1111	925,237183	15847812	6127,1021	-159009,1
18-12-2019	16:14:00000	2656,6182	909,562683	15843424	6141,8789	-159409,8
18-12-2019	16:15:00000	2657,6899	916,81781	15844067	6133,3438	-159178,8
18-12-2019	16:16:00000	2657,2993	915,017639	15842560	6177,9937	-160084,5
18-12-2019	16:17:00000	2655,9089	912,577148	15842723	6118,6357	-158856,1
18-12-2019	16:18:00000	2656,4216	902,18634	15842579	6121,4058	-158968
18-12-2019	16:19:00000	2658,2141	915,555725	15847310	6101,312	-158541,5
18-12-2019	16:20:00000	2656,9382	905,658936	15842980	6163,2842	-159648
18-12-2019	16:21:00000	2655,7603	907,35675	15843343	6145,1929	-159526,4
18-12-2019	16:22:00000	2657,0959	910,457581	15844372	6126,2915	-159055
18-12-2019	16:23:00000	2656,5239	906,03595	15844913	6119,1084	-159189,5
18-12-2019	16:24:00000	2657,553	914,174194	15845903	6139,897	-159124,2
18-12-2019	16:25:00000	2657,0911	915,415344	15842953	6154,2368	-159348,4
18-12-2019	16:26:00000	2656,2014	920,736328	15840263	6177,3687	-160049,6
18-12-2019	16:27:00000	2656,3945	916,464111	15839100	6157,4927	-159703,9
18-12-2019	16:28:00000	2657,5371	920,481689	15846059	6122,9048	-158907,7
18-12-2019	16:29:00000	2655,8596	910,319275	15841960	6164,5737	-159977,9
18-12-2019	16:30:00000	2656,8516	908,616028	15845715	6093,2021	-158487,3



DATOS	31	31	31
PROMEDIO	54.944	94,5371	49,94
DESV EST	750	0,1207	0,03
DESV EST %	0,0137		
MAX	53.356	94,3291	50,01
MIN	56237,21	94,7948	49,87
<b>Date</b>	<b>Time</b>	<b>kVAR tot</b>	<b>PF sign tot</b>
18-12-2019	16:00:00000	-54839,46	-94,552902
18-12-2019	16:01:00000	-53590,93	-94,762665
18-12-2019	16:02:00000	-54809,41	-94,570221
18-12-2019	16:03:00000	-54475,65	-94,584145
18-12-2019	16:04:00000	-55225,43	-94,522621
18-12-2019	16:05:00000	-55128,8	-94,510841
18-12-2019	16:06:00000	-54981,46	-94,530167
18-12-2019	16:07:00000	-55505,18	-94,456238
18-12-2019	16:08:00000	-55321,45	-94,477234
18-12-2019	16:09:00000	-56237,21	-94,329147
18-12-2019	16:10:00000	-55321,9	-94,502518
18-12-2019	16:11:00000	-55636,37	-94,36647
18-12-2019	16:12:00000	-56194,35	-94,332436
18-12-2019	16:13:00000	-54779,78	-94,546623
18-12-2019	16:14:00000	-54715,88	-94,583473
18-12-2019	16:15:00000	-54690,99	-94,57354
18-12-2019	16:16:00000	-55770,57	-94,43338
18-12-2019	16:17:00000	-54342,8	-94,616898
18-12-2019	16:18:00000	-54233,69	-94,64373
18-12-2019	16:19:00000	-53942,49	-94,670288
18-12-2019	16:20:00000	-55810,59	-94,398041
18-12-2019	16:21:00000	-54654,02	-94,602005
18-12-2019	16:22:00000	-54465,36	-94,606956
18-12-2019	16:23:00000	-53473,22	-94,794823
18-12-2019	16:24:00000	-55458,91	-94,429153
18-12-2019	16:25:00000	-55914,24	-94,359535
18-12-2019	16:26:00000	-55745,11	-94,435814
18-12-2019	16:27:00000	-55038,21	-94,543152
18-12-2019	16:28:00000	-54663,49	-94,561531
18-12-2019	16:29:00000	-54931,75	-94,579681
18-12-2019	16:30:00000	-53355,57	-94,77346
			Freq
			49,91708
			49,947845
			49,958767
			49,910995
			49,93808
			49,877323
			49,910744
			49,920242
			49,918911
			49,923267
			49,957935
			49,871441
			49,907001
			49,919483
			50,01017
			49,954735
			49,97197
			49,950111
			49,942238
			49,912647
			49,893681
			49,977959
			49,927708
			49,967564
			49,91328
			49,947948
			49,954594
			49,980484
			49,934677
			49,984619
			49,990597



DATOS	61	61	61	61	61
PROMEDIO	15.685	7.866	211.024	98,75	49,95
DESV EST	2,658361	28,1	1.081	0,1587	0,04
DESV EST %	0,0002	0,0036	0	0,0016	0,00
MAX	15.691	7.954	209.040	98,39	50,06
MIN	15.672	7.776	212.180	99,03	49,88

Date	Time	Vll avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	9:00:00000	15686,5	7929,6201	-212.386	-98,580956	49,90752
19-12-2019	9:01:00000	15684,48	7954,1689	-212.928	-98,540161	49,940746
19-12-2019	9:02:00000	15685,98	7936,6304	-212.663	-98,62571	49,888409
19-12-2019	9:03:00000	15686,49	7941,7744	-213.225	-98,818665	49,972141
19-12-2019	9:04:00000	15687,16	7901,5488	-212.269	-98,872276	50,019264
19-12-2019	9:05:00000	15689,73	7846,6211	-210.904	-98,907532	49,924232
19-12-2019	9:06:00000	15686,5	7893,0845	-211.788	-98,758202	49,915676
19-12-2019	9:07:00000	15686,17	7898,1602	-211.853	-98,726974	49,945992
19-12-2019	9:08:00000	15690,86	7866,9399	-211.349	-98,853294	49,919834
19-12-2019	9:09:00000	15684,7	7888,8462	-211.624	-98,745949	49,937283
19-12-2019	9:10:00000	15685,45	7931,2231	-212.334	-98,546799	49,889259
19-12-2019	9:11:00000	15677,47	7941,2153	-212.261	-98,437111	49,937534
19-12-2019	9:12:00000	15684,68	7911,0298	-211.896	-98,596977	49,957413
19-12-2019	9:13:00000	15687,99	7911,1812	-211.717	-98,490929	49,980747
19-12-2019	9:14:00000	15686,73	7921,7183	-212.342	-98,658562	50,028763
19-12-2019	9:15:00000	15682,77	7903,9131	-211.607	-98,562737	50,00082
19-12-2019	9:16:00000	15684,39	7915,9214	-211.961	-98,567253	49,981377
19-12-2019	9:17:00000	15682,72	7927,5049	-212.242	-98,564339	50,018475
19-12-2019	9:18:00000	15680,67	7921,8218	-211.695	-98,39402	49,926479
19-12-2019	9:19:00000	15684,81	7903,8438	-211.798	-98,638634	49,9991
19-12-2019	9:20:00000	15685,53	7896,5845	-211.500	-98,586365	49,996552
19-12-2019	9:21:00000	15687,64	7877,0288	-211.016	-98,594154	49,94133
19-12-2019	9:22:00000	15682,75	7918,8633	-211.754	-98,445747	49,915752
19-12-2019	9:23:00000	15685,92	7940,9556	-212.305	-98,406906	49,922115
19-12-2019	9:24:00000	15686,73	7891,8442	-211.311	-98,550339	49,93174
19-12-2019	9:25:00000	15682	7893,27	-211.771	-98,776794	49,908974
19-12-2019	9:26:00000	15685,2	7905,5825	-212.163	-98,784958	49,920517
19-12-2019	9:27:00000	15685,54	7866,6763	-211.176	-98,809914	49,918995
19-12-2019	9:28:00000	15687,23	7836,6377	-210.671	-98,940598	49,937378
19-12-2019	9:29:00000	15684,46	7873,314	-211.241	-98,764343	49,917847
19-12-2019	9:30:00000	15681,36	7908,0811	-212.180	-98,787132	49,96521
19-12-2019	9:31:00000	15680,04	7881,2954	-211.442	-98,786232	49,940952
19-12-2019	9:32:00000	15686,33	7847,3931	-210.740	-98,844482	49,937302
19-12-2019	9:33:00000	15684,27	7870,8906	-211.203	-98,777634	49,969948
19-12-2019	9:34:00000	15683,83	7861,6616	-210.994	-98,798569	49,930824
19-12-2019	9:35:00000	15685,73	7836,8145	-210.837	-99,02594	50,024658
19-12-2019	9:36:00000	15679,11	7837,6035	-210.324	-98,818108	49,914978



DATOS	61	61	61	61	61
PROMEDIO	15.685	7.866	211.024	98,75	49,95
DESV EST	2,658361	28,1	1.081	0,1587	0,04
DESV EST %	0,0002	0,0036	0	0,0016	0,00
MAX	15.691	7.954	209.040	98,39	50,06
MIN	15.672	7.776	212.180	99,03	49,88

Date	Time	Vll avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	9:37:00000	15682	7843,3267	-210.488	-98,804337	49,945702
19-12-2019	9:38:00000	15685,3	7815,5039	-209.947	-98,879623	49,942902
19-12-2019	9:39:00000	15687,17	7850,0747	-210.764	-98,815605	49,934673
19-12-2019	9:40:00000	15683,44	7824,2974	-210.190	-98,8946	50,007706
19-12-2019	9:41:00000	15684,84	7821,6865	-210.146	-98,898048	49,976677
19-12-2019	9:42:00000	15686,86	7782,6035	-209.180	-98,924774	49,951305
19-12-2019	9:43:00000	15684,04	7843,0015	-210.633	-98,86293	49,94273
19-12-2019	9:44:00000	15683,37	7837,5327	-210.366	-98,810417	49,973095
19-12-2019	9:45:00000	15686,32	7801,0513	-209.681	-98,930511	49,963776
19-12-2019	9:46:00000	15672,36	7888,4395	-211.516	-98,779228	50,000607
19-12-2019	9:47:00000	15686,68	7811,2119	-210.047	-98,972916	49,923721
19-12-2019	9:48:00000	15686,07	7799,8052	-209.768	-98,989166	49,966408
19-12-2019	9:49:00000	15681,89	7833,4922	-210.343	-98,859825	49,960155
19-12-2019	9:50:00000	15685,53	7804,6489	-209.652	-98,876534	49,923908
19-12-2019	9:51:00000	15677,43	7846,2007	-210.253	-98,686378	49,959049
19-12-2019	9:52:00000	15687,87	7789,3657	-209.040	-98,767609	49,887211
19-12-2019	9:53:00000	15682,15	7871,9478	-211.046	-98,706116	49,985497
19-12-2019	9:54:00000	15687,87	7793,04	-209.418	-98,899055	49,951206
19-12-2019	9:55:00000	15688,12	7789,7402	-209.286	-98,877335	49,981922
19-12-2019	9:56:00000	15681,97	7811,7866	-209.564	-98,767738	49,913246
19-12-2019	9:57:00000	15686,57	7786,2759	-209.065	-98,826279	49,925503
19-12-2019	9:58:00000	15683,42	7802,1289	-209.403	-98,804604	49,884415
19-12-2019	9:59:00000	15686,03	7775,9106	-209.122	-98,988197	49,996151
19-12-2019	10:00:00000	15681,55	7813,8267	-210.078	-98,986137	50,058319





DATOS	61	61	61	61	61
PROMEDIO	15.684	7.780	208.925	98,85	50,00
DESV EST	3,32	27,5	928	0,1305	0,04
DESV EST %	0,0002	0,0035	0	0,0013	0,00
MAX	15.691	7.855	206.591	98,55	50,10
MIN	15.680	7.689	209.363	99,06	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	10:45:00000	15685,605	7828,6299	-210.382	-98,916664	50,004261
19-12-2019	10:46:00000	15683,127	7815,8027	-210.053	-98,93924	50,039757
19-12-2019	10:47:00000	15682,997	7787,2974	-209.192	-98,895294	50,040215
19-12-2019	10:48:00000	15686,676	7819,853	-210.082	-98,879181	49,968739
19-12-2019	10:49:00000	15683,392	7781,6108	-208.983	-98,869751	49,948292
19-12-2019	10:50:00000	15687,478	7823,5146	-209.968	-98,776741	49,986614
19-12-2019	10:51:00000	15689,4	7794,6016	-209.366	-98,845634	50,035095
19-12-2019	10:52:00000	15682,604	7832,1836	-210.132	-98,774406	49,997944
19-12-2019	10:53:00000	15683,277	7817,1006	-209.886	-98,845352	50,055199
19-12-2019	10:54:00000	15680,617	7799,8589	-209.450	-98,874001	50,026039
19-12-2019	10:55:00000	15677,167	7854,6416	-210.726	-98,804375	50,053432
19-12-2019	10:56:00000	15684,857	7813,8027	-209.842	-98,85598	50,072285
19-12-2019	10:57:00000	15684,478	7795,542	-209.441	-98,899391	50,003159
19-12-2019	10:58:00000	15686,711	7814,1382	-209.795	-98,816399	49,921459
19-12-2019	10:59:00000	15684,895	7799,6807	-210.046	-99,129326	50,05777
19-12-2019	11:00:00000	15689,453	7795,9912	-209.691	-98,980911	49,977066
19-12-2019	11:01:00000	15685,322	7790,6528	-209.387	-98,931396	49,983378
19-12-2019	11:02:00000	15677,482	7853,0137	-210.743	-98,831673	50,024506
19-12-2019	11:03:00000	15676,791	7834,7393	-210.454	-98,93029	50,04567
19-12-2019	11:04:00000	15684,394	7798,2808	-209.538	-98,911003	49,965195
19-12-2019	11:05:00000	15685,854	7776,7393	-208.983	-98,912994	49,977882
19-12-2019	11:06:00000	15685,104	7803,9253	-209.634	-98,880775	49,993308
19-12-2019	11:07:00000	15682,476	7821,6655	-210.331	-99,000267	50,042343
19-12-2019	11:08:00000	15684,898	7773,0762	-208.885	-98,919205	49,927147
19-12-2019	11:09:00000	15681,974	7768,665	-208.688	-98,901489	49,997551
19-12-2019	11:10:00000	15685,095	7776,124	-208.950	-98,911133	49,91708
19-12-2019	11:11:00000	15686,898	7757,6479	-208.568	-98,953323	49,976589
19-12-2019	11:12:00000	15690,684	7738,189	-208.200	-99,00248	50,020149
19-12-2019	11:13:00000	15680,604	7802,4546	-209.519	-98,87281	49,978458
19-12-2019	11:14:00000	15683,186	7762,7402	-208.886	-99,062248	50,095619
19-12-2019	11:15:00000	15685,912	7768,6782	-209.009	-99,027115	49,969894
19-12-2019	11:16:00000	15683,102	7791,6367	-209.309	-98,896027	49,969086
19-12-2019	11:17:00000	15685,493	7751,1035	-208.060	-98,804703	49,922695
19-12-2019	11:18:00000	15684,102	7794,5933	-209.293	-98,84404	49,998158
19-12-2019	11:19:00000	15681,677	7770,2754	-208.801	-98,936951	50,026825
19-12-2019	11:20:00000	15682,934	7768,7041	-208.603	-98,853188	49,953289
19-12-2019	11:21:00000	15686,835	7734,3965	-207.866	-98,917091	49,968826



DATOS	61	61	61	61	61
PROMEDIO	15.684	7.780	208.925	98,85	50,00
DESV EST	3,32	27,5	928	0,1305	0,04
DESV EST %	0,0002	0,0035	0	0,0013	0,00
MAX	15.691	7.855	206.591	98,55	50,10
MIN	15.680	7.689	209.363	99,06	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	11:22:00000	15685,273	7759,9126	-208.329	-98,82077	49,960201
19-12-2019	11:23:00000	15685,4	7729,6201	-207.612	-98,865532	49,973934
19-12-2019	11:24:00000	15687,115	7740,1841	-207.922	-98,867523	49,976986
19-12-2019	11:25:00000	15686,744	7755,792	-208.220	-98,812317	49,988503
19-12-2019	11:26:00000	15684,877	7780,1309	-209.363	-99,055443	50,073433
19-12-2019	11:27:00000	15686,338	7752,0625	-208.473	-98,982147	50,006527
19-12-2019	11:28:00000	15681,916	7786,8711	-209.224	-98,922989	50,015659
19-12-2019	11:29:00000	15684,93	7758,2695	-208.587	-98,966011	50,011108
19-12-2019	11:30:00000	15689,254	7733,4648	-208.065	-99,007721	50,014053
19-12-2019	11:31:00000	15686,513	7759,0083	-208.058	-98,696037	49,920647
19-12-2019	11:32:00000	15680,01	7811,1694	-209.090	-98,56485	49,932281
19-12-2019	11:33:00000	15680,78	7772,9248	-208.416	-98,72493	50,025654
19-12-2019	11:34:00000	15679,682	7794,8311	-208.846	-98,658653	50,026337
19-12-2019	11:35:00000	15684,28	7773,4248	-208.255	-98,620789	50,029392
19-12-2019	11:36:00000	15685,565	7757,5122	-208.399	-98,882622	50,051685
19-12-2019	11:37:00000	15683,965	7762,7412	-208.462	-98,855988	50,011715
19-12-2019	11:38:00000	15685,256	7745,5361	-207.945	-98,821793	50,038128
19-12-2019	11:39:00000	15690,284	7688,6382	-206.591	-98,873276	49,979374
19-12-2019	11:40:00000	15685,081	7731,5093	-207.474	-98,777588	49,940796
19-12-2019	11:41:00000	15684,191	7768,5195	-207.991	-98,558311	49,945927
19-12-2019	11:42:00000	15687,001	7771,5225	-208.099	-98,554016	49,955441
19-12-2019	11:43:00000	15681,605	7757,4761	-207.742	-98,596436	50,025932
19-12-2019	11:44:00000	15685,91	7733,6182	-207.066	-98,551682	49,978699
19-12-2019	11:45:00000	15680,652	7747,8755	-207.482	-98,601563	50,007668



DATOS	61	61	61	61	61
PROMEDIO	15.685	7.763	207.019	98,155	49,99
DESV EST	3,35	36,7	735	0,151	0,03
DESV EST %	0,0002	0,0047	0	0,002	0,00
MAX	15.695	7.846	205.090	97,898	50,07
MIN	15.678	7.700	208.776	98,350	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	12:15:00000	15685,078	7720,9727	-206.532	-98,464	49,985268
19-12-2019	12:16:00000	15687,439	7701,6182	-206.104	-98,491	49,976948
19-12-2019	12:17:00000	15686,892	7699,0952	-205.917	-98,438	49,980507
19-12-2019	12:18:00000	15684,403	7706,0825	-206.109	-98,456	49,989048
19-12-2019	12:19:00000	15689,261	7677,4253	-205.268	-98,391	50,008114
19-12-2019	12:20:00000	15685,924	7751,5942	-206.832	-98,213	49,952694
19-12-2019	12:21:00000	15684,181	7726,0732	-206.242	-98,267	49,995033
19-12-2019	12:22:00000	15688,316	7705,9053	-205.680	-98,230	49,948166
19-12-2019	12:23:00000	15680,738	7769,1421	-207.047	-98,125	50,032318
19-12-2019	12:24:00000	15691,775	7718,6045	-206.278	-98,330	49,987309
19-12-2019	12:25:00000	15683,315	7771,4473	-207.071	-98,092	49,989655
19-12-2019	12:26:00000	15685,877	7752,6455	-206.611	-98,094	49,911072
19-12-2019	12:27:00000	15686,027	7740,5059	-206.586	-98,235	49,994244
19-12-2019	12:28:00000	15685,338	7755,0718	-207.242	-98,366	50,007534
19-12-2019	12:29:00000	15684,759	7762,0151	-207.017	-98,176	49,946415
19-12-2019	12:30:00000	15681,179	7757,5747	-206.977	-98,236	50,012905
19-12-2019	12:31:00000	15689,416	7719,3784	-205.929	-98,170	49,975628
19-12-2019	12:32:00000	15689,604	7761,2954	-207.151	-98,218	49,998215
19-12-2019	12:33:00000	15683,786	7791,6743	-207.708	-98,134	50,005764
19-12-2019	12:34:00000	15680,406	7760,4692	-207.092	-98,258	50,048916
19-12-2019	12:35:00000	15686,041	7772,5903	-207.179	-98,110	49,967262
19-12-2019	12:36:00000	15684,066	7761,5801	-207.017	-98,185	50,002274
19-12-2019	12:37:00000	15689,395	7714,7021	-206.238	-98,376	49,981937
19-12-2019	12:38:00000	15684,689	7779,6392	-207.157	-98,020	49,906971
19-12-2019	12:39:00000	15685,873	7794,8921	-207.546	-98,005	49,952454
19-12-2019	12:40:00000	15684,924	7764,208	-207.203	-98,235	50,045456
19-12-2019	12:41:00000	15677,3	7821,3403	-208.016	-97,948	50,031807
19-12-2019	12:42:00000	15687,679	7677,2251	-205.090	-98,317	49,982063
19-12-2019	12:43:00000	15684,617	7791,2637	-207.959	-98,252	50,063335
19-12-2019	12:44:00000	15685,847	7804,1177	-208.012	-98,108	49,998531
19-12-2019	12:45:00000	15693,748	7744,8594	-206.500	-98,093	49,931755
19-12-2019	12:46:00000	15690,285	7776,2803	-207.440	-98,161	50,010902
19-12-2019	12:47:00000	15686,424	7789,666	-207.379	-97,987	49,959953
19-12-2019	12:48:00000	15688,481	7748,686	-206.603	-98,125	49,918732
19-12-2019	12:49:00000	15680,186	7814,502	-208.191	-98,097	50,069504
19-12-2019	12:50:00000	15684,547	7817,8867	-208.255	-98,058	50,000763
19-12-2019	12:51:00000	15688,916	7758,6611	-207.082	-98,222	49,979027



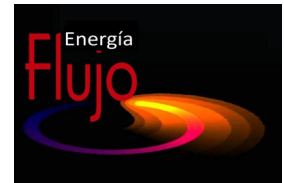
DATOS	61	61	61	61	61
PROMEDIO	15.685	7.763	207.019	98,155	49,99
DESV EST	3,35	36,7	735	0,151	0,03
DESV EST %	0,0002	0,0047	0	0,002	0,00
MAX	15.695	7.846	205.090	97,898	50,07
MIN	15.678	7.700	208.776	98,350	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	12:52:00000	15681,563	7794,1763	-207.474	-98,006	49,972931
19-12-2019	12:53:00000	15683,496	7824,7573	-208.285	-97,992	50,01659
19-12-2019	12:54:00000	15695,293	7737,4487	-206.870	-98,350	50,017994
19-12-2019	12:55:00000	15683,313	7763,5962	-207.086	-98,199	49,997978
19-12-2019	12:56:00000	15684,9	7792,2603	-207.801	-98,163	49,960419
19-12-2019	12:57:00000	15688,093	7736,7109	-206.664	-98,307	49,998486
19-12-2019	12:58:00000	15685,64	7776,7456	-207.484	-98,204	50,002239
19-12-2019	12:59:00000	15684,999	7776,938	-207.101	-98,026	49,977608
19-12-2019	13:00:00000	15691,012	7750,3901	-206.623	-98,097	49,943527
19-12-2019	13:01:00000	15682,427	7802,9038	-207.691	-97,994	49,99152
19-12-2019	13:02:00000	15685,704	7751,397	-206.643	-98,126	50,012398
19-12-2019	13:03:00000	15681,238	7797,46	-207.534	-97,995	49,997356
19-12-2019	13:04:00000	15677,804	7846,4258	-208.776	-97,988	50,002628
19-12-2019	13:05:00000	15680,682	7765,9878	-206.750	-98,025	49,996315
19-12-2019	13:06:00000	15684,295	7780,9072	-207.058	-97,960	49,961365
19-12-2019	13:07:00000	15683,568	7798,9966	-207.693	-98,036	49,998421
19-12-2019	13:08:00000	15688,822	7699,6758	-205.699	-98,314	50,005878
19-12-2019	13:09:00000	15683,889	7776,1616	-207.465	-98,214	50,032406
19-12-2019	13:10:00000	15681,883	7802,998	-207.572	-97,940	49,937805
19-12-2019	13:11:00000	15684,748	7790,1533	-207.316	-97,963	49,975552
19-12-2019	13:12:00000	15689,606	7771,4902	-206.825	-97,934	50,014191
19-12-2019	13:13:00000	15686,337	7783,5718	-207.110	-97,938	50,000065
19-12-2019	13:14:00000	15683,9	7782,9536	-207.363	-98,080	50,062328
19-12-2019	13:15:00000	15683,18	7784,3525	-207.004	-97,898	50,024132



DATOS	61	61	61	61	61
PROMEDIO	15.685	7.500	199.422	97,88	50,02
DESV EST	3,36	27,4	625	0,1650	0,05
DESV EST %	0,0002	0,0036	0	0,0017	0,00
MAX	15.698	7.556	198.015	97,57	50,13
MIN	15.675	7.439	200.447	98,16	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	13:45:00000	15682,168	7496,8662	-199.845	-98,14267	50,058743
19-12-2019	13:46:00000	15681,147	7512,6392	-200.043	-98,040154	50,035881
19-12-2019	13:47:00000	15684,246	7478,7598	-199.442	-98,168396	50,078339
19-12-2019	13:48:00000	15689,903	7434,9927	-198.208	-98,099907	50,022911
19-12-2019	13:49:00000	15684,357	7503,626	-200.193	-98,210724	50,091278
19-12-2019	13:50:00000	15686,306	7493,1807	-199.450	-97,971581	50,02483
19-12-2019	13:51:00000	15680,896	7479,1426	-199.225	-98,078751	50,073872
19-12-2019	13:52:00000	15686,202	7504,2207	-199.816	-98,007202	50,070908
19-12-2019	13:53:00000	15678,709	7510,5034	-199.702	-97,917328	50,060589
19-12-2019	13:54:00000	15685,374	7511,8882	-200.025	-98,014549	50,098454
19-12-2019	13:55:00000	15682,257	7514,0122	-199.711	-97,852776	50,054436
19-12-2019	13:56:00000	15687,558	7496,6338	-199.649	-98,015457	50,080128
19-12-2019	13:57:00000	15685,905	7444,9238	-198.510	-98,143311	50,058445
19-12-2019	13:58:00000	15684,873	7519,0474	-200.192	-98,005554	50,070183
19-12-2019	13:59:00000	15684,693	7510,7319	-199.883	-97,964989	50,056557
19-12-2019	14:00:00000	15689,716	7500,7153	-199.652	-97,951668	50,031982
19-12-2019	14:01:00000	15691,657	7450,1201	-198.421	-97,995972	50,070137
19-12-2019	14:02:00000	15678,191	7500,0112	-199.660	-98,039093	50,085239
19-12-2019	14:03:00000	15686,268	7475,5532	-198.730	-97,847252	50,055687
19-12-2019	14:04:00000	15683,962	7518,9263	-200.159	-97,996735	50,114155
19-12-2019	14:05:00000	15687,058	7483,3857	-198.852	-97,800964	49,988365
19-12-2019	14:06:00000	15684,337	7552,8677	-200.756	-97,84613	50,038189
19-12-2019	14:07:00000	15681,396	7494,8184	-199.439	-97,975677	50,053707
19-12-2019	14:08:00000	15687,829	7479,3374	-198.703	-97,775398	49,996048
19-12-2019	14:09:00000	15691,312	7446,3667	-198.015	-97,847008	50,008591
19-12-2019	14:10:00000	15684,002	7518,3018	-199.608	-97,735107	50,015141
19-12-2019	14:11:00000	15682,704	7523,0337	-199.580	-97,667633	49,971004
19-12-2019	14:12:00000	15684,093	7518,856	-200.205	-98,020042	50,095451
19-12-2019	14:13:00000	15688,499	7460,3711	-198.224	-97,782753	49,957542
19-12-2019	14:14:00000	15687,281	7496,4043	-199.315	-97,855713	49,9841
19-12-2019	14:15:00000	15688,444	7455,7227	-198.439	-97,950089	50,020275
19-12-2019	14:16:00000	15687,169	7478,6318	-199.200	-98,032494	50,06958
19-12-2019	14:17:00000	15687,273	7464,3164	-198.612	-97,929688	49,924992
19-12-2019	14:18:00000	15683,146	7505,1489	-199.714	-97,963562	49,985474
19-12-2019	14:19:00000	15685,645	7493,605	-199.837	-98,159393	50,061146
19-12-2019	14:20:00000	15678,233	7489,6382	-199.318	-98,002533	49,965939
19-12-2019	14:21:00000	15687,078	7496,561	-199.135	-97,767876	49,933247



DATOS	61	61	61	61	61
PROMEDIO	15.685	7.500	199.422	97,88	50,02
DESV EST	3,36	27,4	625	0,1650	0,05
DESV EST %	0,0002	0,0036	0	0,0017	0,00
MAX	15.698	7.556	198.015	97,57	50,13
MIN	15.675	7.439	200.447	98,16	49,92

Date	Time	Vll avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	14:22:00000	15688,227	7475,6392	-198.916	-97,92662	49,979252
19-12-2019	14:23:00000	15687,491	7479,3979	-198.827	-97,838127	49,964588
19-12-2019	14:24:00000	15689,427	7489,4932	-199.031	-97,79348	49,948429
19-12-2019	14:25:00000	15684,885	7495,4536	-199.238	-97,845947	49,990974
19-12-2019	14:26:00000	15682,721	7517,5645	-199.604	-97,750542	49,979893
19-12-2019	14:27:00000	15674,995	7550,6138	-200.346	-97,734283	50,037807
19-12-2019	14:28:00000	15689,28	7500,2544	-199.216	-97,744713	50,012234
19-12-2019	14:29:00000	15698,311	7438,582	-198.030	-97,912445	50,045017
19-12-2019	14:30:00000	15683,21	7493,9844	-199.189	-97,851501	50,013195
19-12-2019	14:31:00000	15684,857	7514,8252	-199.466	-97,706047	50,011898
19-12-2019	14:32:00000	15680,61	7510,5552	-199.305	-97,709274	49,989532
19-12-2019	14:33:00000	15685,39	7504,0151	-198.989	-97,608849	49,966518
19-12-2019	14:34:00000	15682,747	7528,3965	-199.578	-97,597595	49,961254
19-12-2019	14:35:00000	15681,553	7544,189	-199.962	-97,588181	50,011768
19-12-2019	14:36:00000	15682,83	7555,9531	-200.447	-97,663582	50,009544
19-12-2019	14:37:00000	15685,629	7526,105	-199.728	-97,682129	50,063133
19-12-2019	14:38:00000	15685,571	7515,1274	-199.800	-97,86013	50,082138
19-12-2019	14:39:00000	15683,151	7528,9019	-199.952	-97,770363	50,012745
19-12-2019	14:40:00000	15687,678	7544,6274	-200.201	-97,660896	49,949276
19-12-2019	14:41:00000	15692,272	7495,7158	-198.858	-97,610535	49,929348
19-12-2019	14:42:00000	15691,827	7508,877	-199.336	-97,675728	49,994732
19-12-2019	14:43:00000	15682,361	7546,0122	-200.264	-97,706734	50,074955
19-12-2019	14:44:00000	15683,314	7521,7266	-199.358	-97,572243	49,993999
19-12-2019	14:45:00000	15683,084	7497,563	-199.652	-98,032135	50,125702



DATOS	61	61	61	61,00	61
PROMEDIO	15.654	7.002	185.935	97,94	50,03
DESV EST	2,82	26,0	612	0,13	0,05
DESV EST %	0,0002	0,0037	0	0,00	0,0011
MAX	15.664	7.064	184.471	97,68	50,14
MIN	15.646	6.936	187.040	98,18	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	15:15:00000	15650,7	7050,79	-187.147	-97,92	50,1059
19-12-2019	15:16:00000	15655,9	6998,08	-185.800	-97,91	50,051
19-12-2019	15:17:00000	15654,5	7018,42	-186.651	-98,08	50,0754
19-12-2019	15:18:00000	15655,5	6997,19	-186.284	-98,18	50,1234
19-12-2019	15:19:00000	15655,4	6978,99	-185.834	-98,20	50,1433
19-12-2019	15:20:00000	15653,7	6973,1	-185.299	-98,01	50,0689
19-12-2019	15:21:00000	15656,6	7004,57	-186.202	-98,03	50,0738
19-12-2019	15:22:00000	15649,8	7014,47	-186.003	-97,83	50,0485
19-12-2019	15:23:00000	15655,8	6984,45	-185.375	-97,88	50,083
19-12-2019	15:24:00000	15652,5	7037,41	-186.731	-97,87	50,1022
19-12-2019	15:25:00000	15648,5	7016,09	-186.075	-97,85	50,1066
19-12-2019	15:26:00000	15654,4	6948,74	-184.927	-98,15	50,134
19-12-2019	15:27:00000	15650,5	6994,74	-185.493	-97,83	50,0187
19-12-2019	15:28:00000	15652,2	7009,56	-185.790	-97,77	50,0201
19-12-2019	15:29:00000	15651,2	6975,44	-185.090	-97,89	50,0866
19-12-2019	15:30:00000	15659,4	6991,63	-185.532	-97,84	50,0072
19-12-2019	15:31:00000	15659,5	6961,59	-185.069	-98,02	50,0607
19-12-2019	15:32:00000	15656,1	7004,32	-186.050	-97,96	50,057
19-12-2019	15:33:00000	15655	7034,67	-186.826	-97,95	50,0819
19-12-2019	15:34:00000	15656,7	6958,46	-185.206	-98,15	50,0636
19-12-2019	15:35:00000	15651,1	6976,89	-185.551	-98,11	50,0784
19-12-2019	15:36:00000	15654,6	7047,45	-187.084	-97,91	50,0771
19-12-2019	15:37:00000	15657,2	7000,68	-185.614	-97,77	49,9724
19-12-2019	15:38:00000	15654,2	7007,58	-185.887	-97,84	50,016
19-12-2019	15:39:00000	15654,5	6990,17	-185.518	-97,88	50,017
19-12-2019	15:40:00000	15656,3	6991,33	-185.714	-97,96	50,0114
19-12-2019	15:41:00000	15652,7	7023,24	-186.520	-97,96	50,0565
19-12-2019	15:42:00000	15652,5	7028,12	-186.744	-98,01	50,0766
19-12-2019	15:43:00000	15656,6	6996,32	-185.766	-97,91	50,0468
19-12-2019	15:44:00000	15658,9	6970,74	-185.055	-97,88	49,9927
19-12-2019	15:45:00000	15651,3	7031,68	-186.559	-97,87	50,0466
19-12-2019	15:46:00000	15654,7	6986,48	-185.858	-98,11	50,0685
19-12-2019	15:47:00000	15654,9	6995,6	-185.954	-98,03	50,0322
19-12-2019	15:48:00000	15653	7039,2	-186.934	-97,95	50,0023
19-12-2019	15:49:00000	15649,2	7000,44	-186.222	-98,14	50,0147
19-12-2019	15:50:00000	15651,2	6995,01	-185.616	-97,89	49,9562
19-12-2019	15:51:00000	15663,9	6995,6	-185.753	-97,87	49,9152



DATOS	61	61	61	61,00	61
PROMEDIO	15.654	7.002	185.935	97,94	50,03
DESV EST	2,82	26,0	612	0,13	0,05
DESV EST %	0,0002	0,0037	0	0,00	0,0011
MAX	15.664	7.064	184.471	97,68	50,14
MIN	15.646	6.936	187.040	98,18	49,92

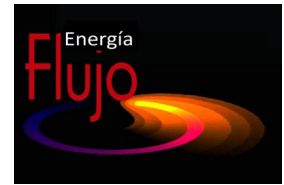
Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	15:52:00000	15648,8	7063,64	-187.040	-97,70	49,9548
19-12-2019	15:53:00000	15655,6	6997,36	-185.911	-97,98	49,9678
19-12-2019	15:54:00000	15652,6	7028,43	-186.869	-98,07	50,0275
19-12-2019	15:55:00000	15652,8	7031,25	-186.429	-97,80	49,9201
19-12-2019	15:56:00000	15655	7013	-186.194	-97,92	50,0296
19-12-2019	15:57:00000	15654,8	6989,23	-185.804	-98,05	50,0158
19-12-2019	15:58:00000	15654,7	6970,47	-185.516	-98,16	50,0425
19-12-2019	15:59:00000	15655,8	7003,68	-186.448	-98,18	49,9997
19-12-2019	16:00:00000	15654,1	7024,74	-186.527	-97,93	49,9607
19-12-2019	16:01:00000	15654,2	7027,57	-186.485	-97,87	50,0067
19-12-2019	16:02:00000	15646,2	7024,79	-186.260	-97,84	49,9952
19-12-2019	16:03:00000	15653,7	6991,08	-185.521	-97,88	49,971
19-12-2019	16:04:00000	15654,3	7002,36	-185.845	-97,89	49,9631
19-12-2019	16:05:00000	15655,2	7002,25	-185.792	-97,85	49,968
19-12-2019	16:06:00000	15655,8	6985,89	-185.223	-97,78	49,9486
19-12-2019	16:07:00000	15650,6	7041,61	-186.972	-97,95	50,0172
19-12-2019	16:08:00000	15647,3	7021,79	-186.062	-97,77	49,9483
19-12-2019	16:09:00000	15653,9	6985,99	-185.299	-97,83	50,0038
19-12-2019	16:10:00000	15657,1	6987,27	-185.094	-97,68	49,9676
19-12-2019	16:11:00000	15657,7	7008,15	-186.042	-97,89	50,0085
19-12-2019	16:12:00000	15653,7	6991,73	-185.252	-97,73	49,9716
19-12-2019	16:13:00000	15655,4	7004,43	-185.870	-97,86	50,0585
19-12-2019	16:14:00000	15656,9	6936,19	-184.471	-98,07	50,0202
19-12-2019	16:15:00000	15657,8	6971,31	-185.355	-98,04	50,0459





DATOS	61	61	61	61	61
PROMEDIO	15.654	6.625	176.567	98,30	49,99
DESV EST	2,21	39,0	709	0,2748	0,05
DESV EST %	0,0001	0,0059	0	0,0028	0,0010
MAX	15.658	6.707	174.988	97,61	50,11
MIN	15.649	6.557	177.760	98,68	49,93

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	16:45:00000	15657,5	6614,79	-175.271	-97,70574	49,9041
19-12-2019	16:46:00000	15654,8	6701,04	-177.720	-97,8136	50,01
19-12-2019	16:47:00000	15658,2	6645,35	-176.572	-97,97471	49,9833
19-12-2019	16:48:00000	15653,7	6697,59	-177.876	-97,95912	50,0249
19-12-2019	16:49:00000	15657,8	6641,08	-176.160	-97,81107	49,9065
19-12-2019	16:50:00000	15653,1	6707,07	-177.487	-97,60916	49,9162
19-12-2019	16:51:00000	15653,1	6611,42	-175.580	-97,95599	49,9555
19-12-2019	16:52:00000	15654,7	6660,66	-176.674	-97,82739	49,8989
19-12-2019	16:53:00000	15652,1	6679,86	-177.385	-97,95467	49,9268
19-12-2019	16:54:00000	15649	6691,05	-177.495	-97,87197	49,9611
19-12-2019	16:55:00000	15653,6	6623,63	-175.956	-97,98194	49,9628
19-12-2019	16:56:00000	15653,6	6665,9	-176.749	-97,79964	49,9207
19-12-2019	16:57:00000	15655,6	6673,06	-177.044	-97,84441	49,94
19-12-2019	16:58:00000	15650,7	6702,75	-177.688	-97,79583	49,9257
19-12-2019	16:59:00000	15654,9	6650,77	-176.830	-98,05744	49,9812
19-12-2019	17:00:00000	15656,8	6577,9	-175.305	-98,27715	49,9712
19-12-2019	17:01:00000	15651,5	6669,43	-177.678	-98,27357	50,0171
19-12-2019	17:02:00000	15656	6588,7	-175.598	-98,28601	49,9704
19-12-2019	17:03:00000	15652,6	6646,03	-177.053	-98,26576	50,0108
19-12-2019	17:04:00000	15654,4	6626,96	-176.745	-98,36592	49,9606
19-12-2019	17:05:00000	15655	6620,1	-176.659	-98,41613	50,0064
19-12-2019	17:06:00000	15654,9	6594,27	-176.143	-98,5137	50,0314
19-12-2019	17:07:00000	15653,4	6616,26	-176.699	-98,5055	50,0613
19-12-2019	17:08:00000	15656,9	6614,32	-176.752	-98,54144	50,0411
19-12-2019	17:09:00000	15653,8	6613,65	-176.682	-98,53246	50,0178
19-12-2019	17:10:00000	15656,9	6597,99	-176.165	-98,45771	49,9432
19-12-2019	17:11:00000	15652	6634,69	-177.193	-98,51549	50,0239
19-12-2019	17:12:00000	15651,4	6640,04	-177.400	-98,55475	50,0478
19-12-2019	17:13:00000	15653,8	6576,62	-175.733	-98,55499	49,9627
19-12-2019	17:14:00000	15656,5	6586,59	-175.898	-98,48112	49,9212
19-12-2019	17:15:00000	15652,9	6601,95	-176.107	-98,39157	49,9494
19-12-2019	17:16:00000	15655,2	6596,2	-176.029	-98,41878	49,9761
19-12-2019	17:17:00000	15656,8	6587,2	-175.680	-98,34806	49,9259
19-12-2019	17:18:00000	15655	6581,35	-175.491	-98,34116	49,9735
19-12-2019	17:19:00000	15656,1	6589,29	-175.890	-98,43903	50,0252
19-12-2019	17:20:00000	15656,7	6603,56	-176.050	-98,31129	49,968
19-12-2019	17:21:00000	15652,3	6659,36	-177.697	-98,42793	50,0493



DATOS	61	61	61	61	61
PROMEDIO	15.654	6.625	176.567	98,30	49,99
DESV EST	2,21	39,0	709	0,2748	0,05
DESV EST %	0,0001	0,0059	0	0,0028	0,0010
MAX	15.658	6.707	174.988	97,61	50,11
MIN	15.649	6.557	177.760	98,68	49,93

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	17:22:00000	15653,7	6594,23	-176.228	-98,56924	50,0616
19-12-2019	17:23:00000	15653,8	6616,61	-176.733	-98,5172	50,0385
19-12-2019	17:24:00000	15652,8	6628,14	-176.729	-98,3511	50,0037
19-12-2019	17:25:00000	15654	6618,53	-176.331	-98,26347	49,9902
19-12-2019	17:26:00000	15654,3	6597,88	-176.088	-98,43359	50,0111
19-12-2019	17:27:00000	15654,6	6614,88	-176.388	-98,34628	49,9765
19-12-2019	17:28:00000	15648,8	6634,65	-176.735	-98,28149	49,9888
19-12-2019	17:29:00000	15657,9	6581	-175.641	-98,41292	49,9607
19-12-2019	17:30:00000	15656,5	6625,55	-176.915	-98,46817	50,0307
19-12-2019	17:31:00000	15652,3	6652,65	-177.335	-98,32651	50,0552
19-12-2019	17:32:00000	15658,2	6556,91	-174.988	-98,40438	49,9534
19-12-2019	17:33:00000	15654,2	6575,24	-175.881	-98,65661	50,0352
19-12-2019	17:34:00000	15651,3	6613,3	-176.675	-98,5496	50,0522
19-12-2019	17:35:00000	15658,1	6569,85	-175.750	-98,6387	50,0296
19-12-2019	17:36:00000	15655,3	6603,62	-176.441	-98,5385	50,0133
19-12-2019	17:37:00000	15654,6	6596,64	-176.507	-98,68436	50,112
19-12-2019	17:38:00000	15651,8	6651,65	-177.760	-98,57981	50,0767
19-12-2019	17:39:00000	15650,3	6635,71	-177.181	-98,50429	50,0582
19-12-2019	17:40:00000	15654,9	6617,92	-176.771	-98,51193	50,0157
19-12-2019	17:41:00000	15654,6	6607,51	-176.387	-98,45464	49,9567
19-12-2019	17:42:00000	15655,6	6639,23	-177.288	-98,48005	50,0339
19-12-2019	17:43:00000	15652,4	6647,83	-177.261	-98,35698	50,0141
19-12-2019	17:44:00000	15649,6	6616,03	-176.475	-98,40981	50,0343
19-12-2019	17:45:00000	15654,3	6628,89	-176.964	-98,46153	50,0623



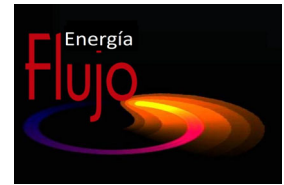
DATOS	61	61	61	61	61
PROMEDIO	15.695	6.265	167.586	98,40	49,99
DESV EST	6,06	26,0	1.238	0,4696	0,05
DESV EST %	0,0004	0,0041	0	0,0048	0,0010
MAX	15.784	6.344	159.918	96,88	50,10
MIN	15.684	6.002	169.190	98,65	49,87

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	18:15:00000	15655,5	6287,99	-167.995	-98,52946	50,0426
19-12-2019	18:16:00000	15658	6274,14	-167.443	-98,40687	50,028
19-12-2019	18:17:00000	15655,2	6282,01	-167.836	-98,53196	50,0589
19-12-2019	18:18:00000	15658,1	6212,43	-166.338	-98,72779	50,0366
19-12-2019	18:19:00000	15660,1	6240,3	-167.161	-98,76057	50,0918
19-12-2019	18:20:00000	15652,4	6241,69	-167.171	-98,7924	50,085
19-12-2019	18:21:00000	15654,6	6226,78	-167.018	-98,92456	50,1046
19-12-2019	18:22:00000	15655,5	6268,18	-167.839	-98,74819	50,0289
19-12-2019	18:23:00000	15655,2	6279,67	-168.164	-98,76109	50,0423
19-12-2019	18:24:00000	15653,1	6264,49	-167.688	-98,73315	50,0375
19-12-2019	18:25:00000	15656,1	6241,22	-167.214	-98,80189	50,0779
19-12-2019	18:26:00000	15652,5	6329,21	-169.043	-98,5178	50,0156
19-12-2019	18:27:00000	15651	6279,18	-167.610	-98,47076	49,9368
19-12-2019	18:28:00000	15652,9	6284,95	-168.028	-98,6141	50,0176
19-12-2019	18:29:00000	15650,4	6324,2	-168.964	-98,56346	50,0375
19-12-2019	18:30:00000	15659,8	6245,39	-167.269	-98,74574	50,0182
19-12-2019	18:31:00000	15652,4	6288,28	-168.195	-98,66191	50,0019
19-12-2019	18:32:00000	15654,5	6274,24	-168.023	-98,7684	50,0198
19-12-2019	18:33:00000	15653,4	6240,21	-166.977	-98,69582	50,0102
19-12-2019	18:34:00000	15656,7	6264,16	-167.756	-98,75598	50,0334
19-12-2019	18:35:00000	15651,9	6258,78	-167.790	-98,8908	50,0255
19-12-2019	18:36:00000	15653,5	6271,58	-167.858	-98,71925	49,9672
19-12-2019	18:37:00000	15652,8	6290,29	-168.368	-98,72987	50,0066
19-12-2019	18:38:00000	15659,7	6290,32	-168.264	-98,62525	49,9291
19-12-2019	18:39:00000	15660,3	6228,29	-166.938	-98,81792	49,9692
19-12-2019	18:40:00000	15647,8	6277,41	-167.849	-98,66025	49,9614
19-12-2019	18:41:00000	15657,1	6256,17	-167.636	-98,80928	49,9819
19-12-2019	18:42:00000	15652	6257,13	-167.362	-98,66469	49,9284
19-12-2019	18:43:00000	15652,1	6277,87	-168.066	-98,75163	50,0031
19-12-2019	18:44:00000	15652,1	6264,44	-168.020	-98,93518	50,0207
19-12-2019	18:45:00000	15683,7	6285,66	-167.845	-98,30096	49,9466
19-12-2019	18:46:00000	15724,4	6276,14	-167.607	-98,05696	49,9774
19-12-2019	18:47:00000	15718,3	6292,29	-167.771	-97,93819	49,9569
19-12-2019	18:48:00000	15714,1	6199,97	-165.170	-97,88343	49,9929
19-12-2019	18:49:00000	15713,5	6001,81	-159.918	-97,90205	49,994
19-12-2019	18:50:00000	15717	6287,59	-168.464	-98,42349	50,0495
19-12-2019	18:51:00000	15720,3	6227,83	-166.507	-98,19376	49,9049



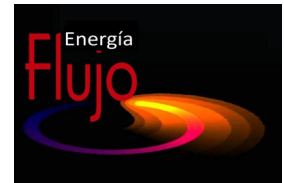
DATOS	61	61	61	61	61
PROMEDIO	15.695	6.265	167.586	98,40	49,99
DESV EST	6,06	26,0	1.238	0,4696	0,05
DESV EST %	0,0004	0,0041	0	0,0048	0,0010
MAX	15.784	6.344	159.918	96,88	50,10
MIN	15.684	6.002	169.190	98,65	49,87

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	18:52:00000	15718,2	6262,27	-167.638	-98,33037	50,0164
19-12-2019	18:53:00000	15717,7	6258,6	-167.386	-98,24313	49,9896
19-12-2019	18:54:00000	15718,2	6255,98	-167.463	-98,32682	49,995
19-12-2019	18:55:00000	15725,2	6240,27	-167.094	-98,31416	49,9839
19-12-2019	18:56:00000	15710,9	6294,05	-168.317	-98,27567	49,9592
19-12-2019	18:57:00000	15710,4	6316,51	-168.900	-98,26926	49,9561
19-12-2019	18:58:00000	15717	6275,82	-168.153	-98,42713	49,9655
19-12-2019	18:59:00000	15718	6288,27	-168.463	-98,40614	49,9526
19-12-2019	19:00:00000	15715,7	6272,21	-167.790	-98,27872	49,8866
19-12-2019	19:01:00000	15714,1	6294,89	-168.931	-98,60053	49,9892
19-12-2019	19:02:00000	15716,8	6225,1	-166.924	-98,50512	49,866
19-12-2019	19:03:00000	15717,8	6266,73	-168.016	-98,48455	49,9278
19-12-2019	19:04:00000	15713,7	6303,65	-169.190	-98,61643	49,9668
19-12-2019	19:05:00000	15715	6278,57	-168.582	-98,64656	49,968
19-12-2019	19:06:00000	15711,8	6282,49	-168.511	-98,56368	49,9397
19-12-2019	19:07:00000	15781,5	6238,59	-167.045	-97,95929	49,9806
19-12-2019	19:08:00000	15780,4	6258,51	-167.503	-97,92258	49,9138
19-12-2019	19:09:00000	15779,9	6285,87	-168.661	-98,17296	49,9691
19-12-2019	19:10:00000	15777,8	6235,31	-167.330	-98,20053	49,9943
19-12-2019	19:11:00000	15782,5	6245,77	-167.164	-97,91035	49,9104
19-12-2019	19:12:00000	15777,8	6343,75	-167.955	-96,88331	49,9649
19-12-2019	19:13:00000	15783,9	6309,81	-167.615	-97,16979	49,9936
19-12-2019	19:14:00000	15783,1	6284,85	-166.670	-97,01068	49,9741
19-12-2019	19:15:00000	15783,3	6279,07	-166.297	-96,88202	49,9006



DATOS	61	61	61	61	61
PROMEDIO	15.779	5.981	159.379	97,50	50,00
DESV EST	2,42	25,9	643	0,2132	0,04
DESV EST %	0,0002	0,0043	0	0,0022	0,0008
MAX	15.790	6.043	157.917	97,02	50,10
MIN	15.767	5.927	161.119	97,94	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	19:45:00000	15778,2	5986,72	-159.265	-97,3471	50,018856
19-12-2019	19:46:00000	15779	5948,87	-158.985	-97,78879	50,103741
19-12-2019	19:47:00000	15777,3	5972,11	-159.208	-97,55609	50,051937
19-12-2019	19:48:00000	15781,7	5969,51	-159.485	-97,74076	50,089149
19-12-2019	19:49:00000	15780,4	5960,53	-158.978	-97,5841	50,020241
19-12-2019	19:50:00000	15783,1	5945,22	-158.524	-97,53985	49,990295
19-12-2019	19:51:00000	15783,7	5939,73	-158.258	-97,46272	49,991974
19-12-2019	19:52:00000	15779,4	5967,92	-159.281	-97,65623	50,084129
19-12-2019	19:53:00000	15779,8	5962,49	-159.033	-97,59002	50,051605
19-12-2019	19:54:00000	15774,9	6007,61	-159.552	-97,20445	49,969429
19-12-2019	19:55:00000	15777,2	6033,23	-160.352	-97,26354	50,044235
19-12-2019	19:56:00000	15775,1	5999,76	-159.501	-97,3008	50,043633
19-12-2019	19:57:00000	15777,4	5976,02	-158.969	-97,34841	50,040359
19-12-2019	19:58:00000	15780,4	5981,05	-159.201	-97,38751	50,036312
19-12-2019	19:59:00000	15779	5998,65	-159.512	-97,29982	50,019928
19-12-2019	20:00:00000	15773,5	6023,77	-159.666	-97,0218	49,982376
19-12-2019	20:01:00000	15780,9	5967,07	-158.565	-97,22173	49,996323
19-12-2019	20:02:00000	15779	5975,84	-158.927	-97,31234	50,012806
19-12-2019	20:03:00000	15780,4	5975,7	-159.638	-97,74117	50,091812
19-12-2019	20:04:00000	15779	6004,46	-159.787	-97,37319	50,015625
19-12-2019	20:05:00000	15777,7	6004,95	-159.417	-97,14845	50,017845
19-12-2019	20:06:00000	15776,3	6016,39	-159.631	-97,10418	50,03014
19-12-2019	20:07:00000	15778,5	6020,6	-160.209	-97,37201	50,033195
19-12-2019	20:08:00000	15781,8	5984,83	-159.332	-97,39678	50,01207
19-12-2019	20:09:00000	15777,2	6014,87	-159.987	-97,33749	50,004787
19-12-2019	20:10:00000	15779,9	5970,35	-158.725	-97,27563	49,962738
19-12-2019	20:11:00000	15782	5963,03	-159.593	-97,91087	50,095573
19-12-2019	20:12:00000	15782	5984,43	-159.647	-97,59464	50,037819
19-12-2019	20:13:00000	15776,2	6042,81	-160.625	-97,28043	50,008133
19-12-2019	20:14:00000	15778	5980,75	-159.190	-97,40099	49,968735
19-12-2019	20:15:00000	15779,2	5991,45	-159.577	-97,45519	50,007263
19-12-2019	20:16:00000	15781,9	5954,62	-158.782	-97,55235	50,01569
19-12-2019	20:17:00000	15784,3	5934,99	-158.352	-97,59566	49,924145
19-12-2019	20:18:00000	15784	5933,26	-158.524	-97,73114	49,964119
19-12-2019	20:19:00000	15777,5	6022,07	-161.119	-97,90643	50,078106
19-12-2019	20:20:00000	15776,2	6016,38	-160.337	-97,53339	49,964226
19-12-2019	20:21:00000	15773,5	6036,92	-160.683	-97,4271	49,949146



DATOS	61	61	61	61	61
PROMEDIO	15.779	5.981	159.379	97,50	50,00
DESV EST	2,42	25,9	643	0,2132	0,04
DESV EST %	0,0002	0,0043	0	0,0022	0,0008
MAX	15.790	6.043	157.917	97,02	50,10
MIN	15.767	5.927	161.119	97,94	49,92

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	20:22:00000	15774,3	5993,67	-159.634	-97,48475	49,979942
19-12-2019	20:23:00000	15774,6	6005,74	-160.053	-97,54265	49,982414
19-12-2019	20:24:00000	15777,5	5990,58	-159.627	-97,51022	49,970795
19-12-2019	20:25:00000	15780,3	5962,31	-159.099	-97,63174	49,986843
19-12-2019	20:26:00000	15782,4	5942,37	-158.711	-97,70661	49,995926
19-12-2019	20:27:00000	15782,2	5988,14	-159.653	-97,53616	49,957561
19-12-2019	20:28:00000	15782,2	5940,45	-158.472	-97,59226	49,942883
19-12-2019	20:29:00000	15779,7	5929,71	-158.314	-97,6872	49,964779
19-12-2019	20:30:00000	15781,2	5948,07	-158.929	-97,7548	49,981468
19-12-2019	20:31:00000	15777,8	5966,18	-159.564	-97,86813	50,032673
19-12-2019	20:32:00000	15778,1	5960,09	-159.403	-97,86755	49,997284
19-12-2019	20:33:00000	15777,9	5975,67	-159.934	-97,93862	49,985584
19-12-2019	20:34:00000	15778,4	5998,17	-159.764	-97,46516	49,950558
19-12-2019	20:35:00000	15781,6	5949,32	-158.933	-97,73564	49,956879
19-12-2019	20:36:00000	15775,4	5966,68	-159.483	-97,83292	50,010433
19-12-2019	20:37:00000	15767,4	6032,08	-160.430	-97,39317	49,985352
19-12-2019	20:38:00000	15770,3	6006,42	-160.067	-97,56938	50,020828
19-12-2019	20:39:00000	15768,1	5989,37	-159.102	-97,27036	49,99369
19-12-2019	20:40:00000	15782,4	5980,72	-159.107	-97,32409	49,953609
19-12-2019	20:41:00000	15790,1	5927,49	-157.917	-97,41534	49,915199
19-12-2019	20:42:00000	15782,3	5988,59	-159.339	-97,33715	49,958061
19-12-2019	20:43:00000	15775,1	6022,59	-160.130	-97,31328	49,987556
19-12-2019	20:44:00000	15787	5957,79	-158.761	-97,45874	49,978291
19-12-2019	20:45:00000	15781,3	5970,28	-159.284	-97,60889	49,984123



DATOS	61	61	61	61	61
PROMEDIO	10.427	6.729	120.246	0,9894	49,95
DESV EST	4	27	350	0,0017	0,04
DESV EST %	0,0004	0,0040	0,0029	0,0018	0,00
MAX	10.440	6.797	121.209	0,9931	50,05
MIN	10.420	6.661	119.447	0,9853	49,86

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	9:00:00000	10.427,19	6.759,72	120.512	0,9871	49,94
19-12-2019	9:01:00000	10.428,19	6.741,19	120.468	0,9894	49,94
19-12-2019	9:02:00000	10.424,47	6.744,56	120.473	0,9893	49,94
19-12-2019	9:03:00000	10.425,33	6.747,91	120.443	0,9885	49,90
19-12-2019	9:04:00000	10.429,26	6.701,98	120.003	0,9912	49,99
19-12-2019	9:05:00000	10.429,11	6.790,49	121.209	0,9882	49,93
19-12-2019	9:06:00000	10.427,48	6.738,74	120.458	0,9897	49,98
19-12-2019	9:07:00000	10.426,43	6.732,47	120.308	0,9895	49,92
19-12-2019	9:08:00000	10.433,14	6.724,88	120.201	0,9891	49,92
19-12-2019	9:09:00000	10.423,15	6.777,60	120.742	0,9868	49,87
19-12-2019	9:10:00000	10.422,09	6.742,67	120.273	0,9882	49,98
19-12-2019	9:11:00000	10.425,23	6.772,56	120.631	0,9864	49,95
19-12-2019	9:12:00000	10.427,84	6.750,83	120.360	0,9871	49,98
19-12-2019	9:13:00000	10.433,23	6.755,04	120.400	0,9863	49,94
19-12-2019	9:14:00000	10.428,47	6.733,08	120.138	0,9879	50,00
19-12-2019	9:15:00000	10.426,01	6.758,76	120.481	0,9871	50,00
19-12-2019	9:16:00000	10.427,39	6.730,27	120.123	0,9882	50,00
19-12-2019	9:17:00000	10.439,42	6.700,29	119.665	0,9878	50,01
19-12-2019	9:18:00000	10.435,81	6.712,37	119.800	0,9874	50,00
19-12-2019	9:19:00000	10.427,95	6.725,53	120.163	0,9892	49,97
19-12-2019	9:20:00000	10.421,88	6.796,79	121.046	0,9866	49,98
19-12-2019	9:21:00000	10.424,38	6.721,71	119.860	0,9876	49,95
19-12-2019	9:22:00000	10.424,72	6.735,61	120.121	0,9877	49,97
19-12-2019	9:23:00000	10.422,58	6.742,88	120.075	0,9865	49,89
19-12-2019	9:24:00000	10.429,86	6.764,69	120.411	0,9853	49,86
19-12-2019	9:25:00000	10.423,56	6.756,79	120.694	0,9894	49,91
19-12-2019	9:26:00000	10.426,13	6.709,72	120.095	0,9912	49,94
19-12-2019	9:27:00000	10.425,69	6.743,96	120.772	0,9917	49,98
19-12-2019	9:28:00000	10.431,26	6.737,61	120.335	0,9886	49,89
19-12-2019	9:29:00000	10.431,78	6.719,78	120.146	0,9896	49,93
19-12-2019	9:30:00000	10.422,54	6.717,17	120.160	0,9910	49,98
19-12-2019	9:31:00000	10.421,57	6.759,80	120.745	0,9896	49,92
19-12-2019	9:32:00000	10.429,36	6.711,85	120.111	0,9907	49,95
19-12-2019	9:33:00000	10.432,03	6.704,56	120.005	0,9906	49,93
19-12-2019	9:34:00000	10.425,32	6.691,12	119.992	0,9931	50,04
19-12-2019	9:35:00000	10.427,04	6.713,24	120.223	0,9916	50,03
19-12-2019	9:36:00000	10.429,07	6.747,32	120.622	0,9897	49,93



DATOS	61	61	61	61	61
PROMEDIO	10.427	6.729	120.246	0,9894	49,95
DESV EST	4	27	350	0,0017	0,04
DESV EST %	0,0004	0,0040	0,0029	0,0018	0,00
MAX	10.440	6.797	121.209	0,9931	50,05
MIN	10.420	6.661	119.447	0,9853	49,86

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	9:37:00000	10.425,88	6.727,28	120.266	0,9900	49,94
19-12-2019	9:38:00000	10.426,09	6.730,48	120.293	0,9897	49,92
19-12-2019	9:39:00000	10.424,20	6.754,39	120.691	0,9897	49,94
19-12-2019	9:40:00000	10.423,06	6.722,17	120.276	0,9911	49,95
19-12-2019	9:41:00000	10.421,89	6.736,87	120.448	0,9905	49,93
19-12-2019	9:42:00000	10.426,56	6.737,57	120.396	0,9895	49,91
19-12-2019	9:43:00000	10.428,35	6.698,81	119.802	0,9902	49,95
19-12-2019	9:44:00000	10.425,38	6.704,47	120.052	0,9917	49,99
19-12-2019	9:45:00000	10.428,20	6.692,03	119.815	0,9913	49,95
19-12-2019	9:46:00000	10.426,91	6.661,35	119.447	0,9929	50,05
19-12-2019	9:47:00000	10.419,72	6.731,49	120.460	0,9916	49,96
19-12-2019	9:48:00000	10.427,05	6.727,11	120.371	0,9908	49,93
19-12-2019	9:49:00000	10.427,74	6.706,69	120.095	0,9915	49,97
19-12-2019	9:50:00000	10.426,69	6.689,26	119.727	0,9911	49,97
19-12-2019	9:51:00000	10.429,62	6.723,72	120.030	0,9883	49,90
19-12-2019	9:52:00000	10.439,76	6.671,35	119.467	0,9904	49,93
19-12-2019	9:53:00000	10.438,36	6.696,12	119.749	0,9892	49,95
19-12-2019	9:54:00000	10.426,76	6.742,11	120.369	0,9886	49,90
19-12-2019	9:55:00000	10.422,27	6.745,19	120.412	0,9889	49,91
19-12-2019	9:56:00000	10.425,39	6.721,38	120.225	0,9906	49,95
19-12-2019	9:57:00000	10.434,67	6.689,71	119.683	0,9899	49,97
19-12-2019	9:58:00000	10.426,74	6.731,27	120.328	0,9899	49,92
19-12-2019	9:59:00000	10.425,98	6.695,94	119.876	0,9914	49,97
19-12-2019	10:00:00000	10.426,37	6.728,98	120.449	0,9912	49,93





DATOS	61	61	61	61	61
PROMEDIO	10.428	6.251	111.790	0,9901	50,00
DESV EST	4	25	426	0,0016	0,04
DESV EST %	0,0004	0,0040	0,0038	0,0016	0,00
MAX	10.436	6.303	112.676	0,9927	50,09
MIN	10.421	6.197	110.823	0,9858	49,91

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	10:45:00000	10.426,49	6.243,73	111.700	0,9907	50,01
19-12-2019	10:46:00000	10.425,33	6.249,01	111.844	0,9912	50,00
19-12-2019	10:47:00000	10.425,70	6.262,51	112.051	0,9909	50,04
19-12-2019	10:48:00000	10.428,40	6.242,07	111.741	0,9911	50,00
19-12-2019	10:49:00000	10.421,57	6.278,16	112.129	0,9895	49,92
19-12-2019	10:50:00000	10.427,94	6.250,23	111.705	0,9895	49,98
19-12-2019	10:51:00000	10.435,84	6.216,44	111.220	0,9899	49,99
19-12-2019	10:52:00000	10.435,23	6.263,73	111.922	0,9886	50,04
19-12-2019	10:53:00000	10.424,32	6.260,67	111.947	0,9904	50,00
19-12-2019	10:54:00000	10.425,00	6.294,36	112.563	0,9904	50,07
19-12-2019	10:55:00000	10.436,11	6.217,47	111.238	0,9898	50,02
19-12-2019	10:56:00000	10.423,69	6.279,24	112.280	0,9905	50,04
19-12-2019	10:57:00000	10.430,96	6.220,50	111.405	0,9913	50,05
19-12-2019	10:58:00000	10.430,91	6.248,13	111.947	0,9917	50,06
19-12-2019	10:59:00000	10.423,96	6.282,20	112.579	0,9926	50,03
19-12-2019	11:00:00000	10.421,34	6.296,03	112.676	0,9915	50,03
19-12-2019	11:01:00000	10.421,80	6.260,52	112.037	0,9914	50,05
19-12-2019	11:02:00000	10.423,55	6.273,02	112.143	0,9902	49,95
19-12-2019	11:03:00000	10.427,45	6.281,02	112.408	0,9909	50,06
19-12-2019	11:04:00000	10.423,67	6.284,73	112.507	0,9916	50,02
19-12-2019	11:05:00000	10.422,77	6.287,65	112.612	0,9921	50,02
19-12-2019	11:06:00000	10.427,52	6.267,05	112.097	0,9904	50,00
19-12-2019	11:07:00000	10.428,50	6.244,04	111.961	0,9927	50,05
19-12-2019	11:08:00000	10.421,18	6.260,96	111.963	0,9908	50,01
19-12-2019	11:09:00000	10.435,64	6.232,84	111.516	0,9899	49,94
19-12-2019	11:10:00000	10.429,09	6.257,08	112.013	0,9911	49,94
19-12-2019	11:11:00000	10.430,93	6.221,20	111.378	0,9910	49,92
19-12-2019	11:12:00000	10.428,15	6.239,26	111.685	0,9911	50,02
19-12-2019	11:13:00000	10.423,60	6.237,32	111.731	0,9922	50,00
19-12-2019	11:14:00000	10.427,55	6.218,58	111.487	0,9927	50,04
19-12-2019	11:15:00000	10.431,01	6.235,67	111.529	0,9900	49,97
19-12-2019	11:16:00000	10.427,18	6.237,70	111.655	0,9912	49,95
19-12-2019	11:17:00000	10.424,17	6.223,94	111.361	0,9910	50,04
19-12-2019	11:18:00000	10.429,34	6.209,66	111.106	0,9905	49,99
19-12-2019	11:19:00000	10.422,09	6.232,86	111.455	0,9906	49,98
19-12-2019	11:20:00000	10.425,77	6.273,48	112.102	0,9896	49,99
19-12-2019	11:21:00000	10.432,38	6.245,08	111.637	0,9893	50,00



DATOS	61	61	61	61	61
PROMEDIO	10.428	6.251	111.790	0,9901	50,00
DESV EST	4	25	426	0,0016	0,04
DESV EST %	0,0004	0,0040	0,0038	0,0016	0,00
MAX	10.436	6.303	112.676	0,9927	50,09
MIN	10.421	6.197	110.823	0,9858	49,91

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	11:22:00000	10.432,61	6.197,38	110.883	0,9902	49,98
19-12-2019	11:23:00000	10.432,65	6.203,88	110.823	0,9886	49,99
19-12-2019	11:24:00000	10.424,23	6.245,49	111.728	0,9908	49,99
19-12-2019	11:25:00000	10.431,87	6.212,08	111.087	0,9897	50,03
19-12-2019	11:26:00000	10.425,34	6.233,26	111.605	0,9916	50,09
19-12-2019	11:27:00000	10.424,47	6.252,30	112.038	0,9925	50,05
19-12-2019	11:28:00000	10.424,20	6.232,11	111.577	0,9916	49,95
19-12-2019	11:29:00000	10.424,65	6.267,13	112.170	0,9913	49,96
19-12-2019	11:30:00000	10.429,39	6.235,63	111.588	0,9907	50,00
19-12-2019	11:31:00000	10.425,50	6.255,41	111.643	0,9884	50,01
19-12-2019	11:32:00000	10.431,76	6.257,99	111.740	0,9883	49,99
19-12-2019	11:33:00000	10.432,38	6.226,90	111.205	0,9884	49,99
19-12-2019	11:34:00000	10.429,11	6.254,68	111.573	0,9876	50,00
19-12-2019	11:35:00000	10.427,56	6.271,15	111.931	0,9883	49,96
19-12-2019	11:36:00000	10.429,86	6.224,22	111.345	0,9903	50,09
19-12-2019	11:37:00000	10.428,19	6.242,13	111.614	0,9900	50,02
19-12-2019	11:38:00000	10.423,33	6.287,93	112.366	0,9899	50,01
19-12-2019	11:39:00000	10.432,44	6.244,54	111.571	0,9888	49,99
19-12-2019	11:40:00000	10.428,11	6.303,32	112.422	0,9875	49,92
19-12-2019	11:41:00000	10.427,91	6.287,50	112.066	0,9868	49,91
19-12-2019	11:42:00000	10.432,95	6.289,94	112.039	0,9858	49,91
19-12-2019	11:43:00000	10.432,97	6.253,77	111.480	0,9865	49,97
19-12-2019	11:44:00000	10.430,40	6.249,84	111.605	0,9885	50,07
19-12-2019	11:45:00000	10.424,22	6.276,54	111.745	0,9861	49,97



DATOS	61	61	61	61	61
PROMEDIO	10.428	6.265	111.112	0,9820	49,99
DESV EST	3	27	482	0,0018	0,04
DESV EST %	0,0003	0,0042	0,0043	0,0019	0,00
MAX	10.433	6.330	112.187	0,9871	50,06
MIN	10.419	6.216	110.290	0,9782	49,91

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	12:15:00000	10.428,25	6.241,05	111.266	0,9871	50,06
19-12-2019	12:16:00000	10.427,28	6.296,82	112.009	0,9850	49,95
19-12-2019	12:17:00000	10.424,55	6.284,38	111.925	0,9864	49,99
19-12-2019	12:18:00000	10.420,67	6.323,96	112.187	0,9829	49,97
19-12-2019	12:19:00000	10.431,89	6.265,51	111.256	0,9828	49,95
19-12-2019	12:20:00000	10.423,82	6.277,23	111.470	0,9836	49,97
19-12-2019	12:21:00000	10.429,75	6.276,18	111.317	0,9819	49,95
19-12-2019	12:22:00000	10.421,33	6.328,64	112.154	0,9818	50,00
19-12-2019	12:23:00000	10.424,77	6.296,92	111.670	0,9822	50,02
19-12-2019	12:24:00000	10.430,93	6.277,63	111.442	0,9826	49,94
19-12-2019	12:25:00000	10.431,19	6.244,84	111.010	0,9839	50,03
19-12-2019	12:26:00000	10.426,13	6.284,30	111.554	0,9830	49,96
19-12-2019	12:27:00000	10.426,32	6.288,77	111.675	0,9834	49,94
19-12-2019	12:28:00000	10.432,71	6.246,62	111.120	0,9845	49,99
19-12-2019	12:29:00000	10.431,35	6.299,74	111.745	0,9818	50,03
19-12-2019	12:30:00000	10.425,03	6.299,88	111.921	0,9839	50,06
19-12-2019	12:31:00000	10.429,45	6.281,39	111.375	0,9816	50,00
19-12-2019	12:32:00000	10.424,63	6.291,28	111.550	0,9820	49,98
19-12-2019	12:33:00000	10.429,35	6.282,64	111.309	0,9808	50,03
19-12-2019	12:34:00000	10.425,37	6.292,04	111.734	0,9835	50,00
19-12-2019	12:35:00000	10.431,73	6.249,65	111.002	0,9831	49,96
19-12-2019	12:36:00000	10.430,23	6.252,11	111.102	0,9837	50,04
19-12-2019	12:37:00000	10.428,56	6.281,62	111.406	0,9819	49,91
19-12-2019	12:38:00000	10.419,28	6.330,08	112.182	0,9820	49,98
19-12-2019	12:39:00000	10.425,84	6.250,30	110.956	0,9831	50,02
19-12-2019	12:40:00000	10.430,81	6.246,79	110.828	0,9820	49,99
19-12-2019	12:41:00000	10.426,93	6.237,08	110.758	0,9833	50,03
19-12-2019	12:42:00000	10.427,46	6.263,40	111.016	0,9814	49,95
19-12-2019	12:43:00000	10.427,70	6.254,28	111.169	0,9842	50,02
19-12-2019	12:44:00000	10.429,21	6.233,39	110.459	0,9810	49,96
19-12-2019	12:45:00000	10.427,48	6.244,76	110.630	0,9809	49,99
19-12-2019	12:46:00000	10.432,90	6.250,60	110.675	0,9799	49,95
19-12-2019	12:47:00000	10.428,20	6.257,89	110.694	0,9794	50,02
19-12-2019	12:48:00000	10.426,94	6.215,58	110.403	0,9835	50,00
19-12-2019	12:49:00000	10.425,95	6.250,71	110.695	0,9807	50,01
19-12-2019	12:50:00000	10.427,34	6.256,91	110.779	0,9803	49,99
19-12-2019	12:51:00000	10.427,53	6.275,79	111.131	0,9805	49,96



DATOS	61	61	61	61	61
PROMEDIO	10.428	6.265	111.112	0,9820	49,99
DESV EST	3	27	482	0,0018	0,04
DESV EST %	0,0003	0,0042	0,0043	0,0019	0,00
MAX	10.433	6.330	112.187	0,9871	50,06
MIN	10.419	6.216	110.290	0,9782	49,91

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	12:52:00000	10.421,52	6.289,06	111.393	0,9813	50,01
19-12-2019	12:53:00000	10.428,78	6.226,66	110.290	0,9806	49,99
19-12-2019	12:54:00000	10.423,64	6.262,21	111.066	0,9824	50,04
19-12-2019	12:55:00000	10.426,97	6.245,03	110.927	0,9836	50,05
19-12-2019	12:56:00000	10.424,56	6.226,84	110.631	0,9840	50,01
19-12-2019	12:57:00000	10.429,67	6.220,34	110.425	0,9827	49,93
19-12-2019	12:58:00000	10.424,77	6.243,87	110.898	0,9837	49,99
19-12-2019	12:59:00000	10.430,13	6.251,99	110.692	0,9801	49,96
19-12-2019	13:00:00000	10.431,94	6.234,01	110.344	0,9796	49,96
19-12-2019	13:01:00000	10.423,41	6.268,13	111.002	0,9809	50,00
19-12-2019	13:02:00000	10.428,16	6.248,55	110.701	0,9809	49,97
19-12-2019	13:03:00000	10.420,74	6.236,72	110.598	0,9825	50,00
19-12-2019	13:04:00000	10.431,33	6.238,28	110.539	0,9808	49,97
19-12-2019	13:05:00000	10.427,59	6.298,85	111.280	0,9782	49,97
19-12-2019	13:06:00000	10.431,15	6.280,56	111.005	0,9783	49,98
19-12-2019	13:07:00000	10.422,48	6.274,89	111.210	0,9818	49,95
19-12-2019	13:08:00000	10.429,44	6.239,98	110.840	0,9833	50,06
19-12-2019	13:09:00000	10.427,35	6.263,35	111.022	0,9815	49,98
19-12-2019	13:10:00000	10.429,11	6.284,02	111.091	0,9787	49,96
19-12-2019	13:11:00000	10.429,56	6.294,80	111.309	0,9789	50,02
19-12-2019	13:12:00000	10.430,72	6.268,61	110.978	0,9799	50,03
19-12-2019	13:13:00000	10.428,82	6.223,46	110.384	0,9820	50,05
19-12-2019	13:14:00000	10.432,27	6.251,01	110.677	0,9799	50,02
19-12-2019	13:15:00000	10.428,94	6.265,19	110.949	0,9804	50,02



DATOS	61	61	61	61	61
PROMEDIO	10.427	6.065	107.202	0,9787	50,02
DESV EST	3	25	339	0,0020	0,05
DESV EST %	0,0003	0,0041	0,0032	0,0021	0,00
MAX	10.434	6.133	108.125	0,9836	50,12
MIN	10.419	6.009	106.507	0,9746	49,91

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	13:45:00000	10.426,23	6.020,89	106.796	0,9822	50,03
19-12-2019	13:46:00000	10.427,09	6.032,77	106.870	0,9809	50,04
19-12-2019	13:47:00000	10.421,86	6.047,10	107.196	0,9821	50,06
19-12-2019	13:48:00000	10.427,81	6.032,35	107.163	0,9836	50,08
19-12-2019	13:49:00000	10.425,07	6.036,21	107.062	0,9823	50,09
19-12-2019	13:50:00000	10.432,51	6.032,31	106.900	0,9808	50,08
19-12-2019	13:51:00000	10.427,64	6.053,03	107.043	0,9792	50,06
19-12-2019	13:52:00000	10.433,14	6.027,40	106.581	0,9786	50,01
19-12-2019	13:53:00000	10.419,49	6.061,44	107.218	0,9802	50,04
19-12-2019	13:54:00000	10.427,62	6.016,92	106.507	0,9801	50,09
19-12-2019	13:55:00000	10.428,95	6.009,04	106.524	0,9814	50,08
19-12-2019	13:56:00000	10.424,58	6.032,44	106.878	0,9813	50,04
19-12-2019	13:57:00000	10.428,60	6.050,10	107.254	0,9815	50,08
19-12-2019	13:58:00000	10.421,62	6.071,63	107.518	0,9811	50,09
19-12-2019	13:59:00000	10.426,22	6.064,97	107.282	0,9796	50,11
19-12-2019	14:00:00000	10.428,40	6.062,45	107.165	0,9787	50,12
19-12-2019	14:01:00000	10.424,84	6.057,05	107.262	0,9808	50,09
19-12-2019	14:02:00000	10.422,54	6.102,61	107.847	0,9790	50,07
19-12-2019	14:03:00000	10.422,17	6.072,13	107.165	0,9777	50,07
19-12-2019	14:04:00000	10.428,64	6.064,06	107.388	0,9804	50,10
19-12-2019	14:05:00000	10.427,33	6.070,81	107.228	0,9780	50,05
19-12-2019	14:06:00000	10.428,35	6.048,04	107.012	0,9797	50,00
19-12-2019	14:07:00000	10.432,05	6.065,51	107.087	0,9771	49,97
19-12-2019	14:08:00000	10.424,34	6.082,72	107.487	0,9787	50,05
19-12-2019	14:09:00000	10.427,63	6.079,28	107.458	0,9787	50,00
19-12-2019	14:10:00000	10.429,45	6.060,48	106.953	0,9770	49,99
19-12-2019	14:11:00000	10.430,03	6.080,47	107.307	0,9769	49,96
19-12-2019	14:12:00000	10.426,81	6.081,78	107.353	0,9774	50,00
19-12-2019	14:13:00000	10.433,97	6.039,56	106.766	0,9782	50,02
19-12-2019	14:14:00000	10.427,25	6.088,58	107.460	0,9773	49,96
19-12-2019	14:15:00000	10.424,23	6.098,07	107.829	0,9794	50,00
19-12-2019	14:16:00000	10.428,58	6.046,99	107.241	0,9819	49,99
19-12-2019	14:17:00000	10.427,48	6.048,43	107.060	0,9801	50,00
19-12-2019	14:18:00000	10.424,87	6.072,43	107.487	0,9803	49,98
19-12-2019	14:19:00000	10.425,40	6.060,09	107.272	0,9803	50,01
19-12-2019	14:20:00000	10.431,73	6.058,47	107.073	0,9782	49,96
19-12-2019	14:21:00000	10.424,78	6.105,73	107.785	0,9777	50,01



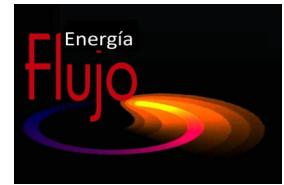
DATOS	61	61	61	61	61
PROMEDIO	10.427	6.065	107.202	0,9787	50,02
DESV EST	3	25	339	0,0020	0,05
DESV EST %	0,0003	0,0041	0,0032	0,0021	0,00
MAX	10.434	6.133	108.125	0,9836	50,12
MIN	10.419	6.009	106.507	0,9746	49,91

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	14:22:00000	10.430,80	6.060,44	107.163	0,9788	49,95
19-12-2019	14:23:00000	10.426,87	6.133,09	108.125	0,9762	49,91
19-12-2019	14:24:00000	10.420,21	6.110,34	107.897	0,9784	49,97
19-12-2019	14:25:00000	10.427,99	6.086,53	107.434	0,9773	49,97
19-12-2019	14:26:00000	10.425,38	6.077,54	107.386	0,9785	50,05
19-12-2019	14:27:00000	10.432,54	6.068,43	107.099	0,9767	49,99
19-12-2019	14:28:00000	10.430,30	6.070,16	107.141	0,9770	50,01
19-12-2019	14:29:00000	10.429,31	6.060,86	107.377	0,9808	50,08
19-12-2019	14:30:00000	10.425,39	6.075,56	107.223	0,9774	50,00
19-12-2019	14:31:00000	10.425,96	6.087,42	107.506	0,9780	49,98
19-12-2019	14:32:00000	10.428,75	6.085,31	107.254	0,9758	49,96
19-12-2019	14:33:00000	10.425,83	6.107,04	107.644	0,9761	49,99
19-12-2019	14:34:00000	10.430,94	6.076,66	107.132	0,9758	50,02
19-12-2019	14:35:00000	10.422,42	6.082,05	107.452	0,9787	50,06
19-12-2019	14:36:00000	10.431,80	6.060,79	106.877	0,9760	49,98
19-12-2019	14:37:00000	10.428,32	6.053,62	106.924	0,9779	50,08
19-12-2019	14:38:00000	10.426,79	6.033,33	106.759	0,9798	50,07
19-12-2019	14:39:00000	10.423,19	6.093,48	107.340	0,9758	49,92
19-12-2019	14:40:00000	10.423,42	6.092,51	107.434	0,9768	49,95
19-12-2019	14:41:00000	10.432,85	6.057,14	106.667	0,9746	49,96
19-12-2019	14:42:00000	10.424,80	6.081,84	107.262	0,9768	50,05
19-12-2019	14:43:00000	10.429,80	6.075,87	107.051	0,9753	50,00
19-12-2019	14:44:00000	10.428,78	6.035,78	106.508	0,9769	50,09
19-12-2019	14:45:00000	10.426,70	6.067,49	107.200	0,9783	50,05



DATOS	61	61	61	61	61
PROMEDIO	10.428	5.790	101.883	0,9743	50,03
DESV EST	4	28	454	0,0020	0,06
DESV EST %	0,0004	0,0048	0,0045	0,0020	0,00
MAX	10.437	5.861	102.980	0,9792	50,16
MIN	10.419	5.719	100.850	0,9705	49,91

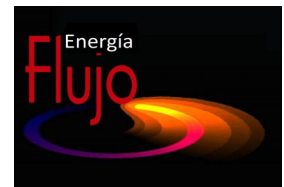
Date	Time	Vll avg	l avg	kW tot	PF sign tot	Freq
19-12-2019	15:15:00000	10.435,24	5.734,98	100.850	0,9730	50,04
19-12-2019	15:16:00000	10.429,69	5.804,41	102.119	0,9739	50,12
19-12-2019	15:17:00000	10.427,50	5.724,07	101.224	0,9792	50,16
19-12-2019	15:18:00000	10.424,88	5.780,97	101.810	0,9754	50,06
19-12-2019	15:19:00000	10.423,75	5.805,44	102.290	0,9760	50,08
19-12-2019	15:20:00000	10.427,42	5.788,29	102.066	0,9764	50,11
19-12-2019	15:21:00000	10.425,61	5.805,85	102.251	0,9754	50,08
19-12-2019	15:22:00000	10.420,89	5.798,86	102.132	0,9758	50,11
19-12-2019	15:23:00000	10.428,19	5.780,99	101.632	0,9734	50,08
19-12-2019	15:24:00000	10.428,67	5.798,59	102.153	0,9753	50,08
19-12-2019	15:25:00000	10.431,00	5.796,67	102.131	0,9752	50,05
19-12-2019	15:26:00000	10.426,50	5.770,62	101.840	0,9773	50,12
19-12-2019	15:27:00000	10.426,81	5.781,80	101.662	0,9737	50,12
19-12-2019	15:28:00000	10.426,87	5.799,21	102.092	0,9748	50,07
19-12-2019	15:29:00000	10.433,30	5.764,65	101.405	0,9735	50,07
19-12-2019	15:30:00000	10.436,97	5.787,12	101.731	0,9725	50,01
19-12-2019	15:31:00000	10.430,55	5.793,22	101.943	0,9741	50,06
19-12-2019	15:32:00000	10.426,64	5.796,75	102.016	0,9745	50,03
19-12-2019	15:33:00000	10.424,50	5.786,71	101.910	0,9754	50,10
19-12-2019	15:34:00000	10.428,88	5.741,04	101.343	0,9773	50,05
19-12-2019	15:35:00000	10.433,79	5.746,99	101.333	0,9757	50,08
19-12-2019	15:36:00000	10.427,40	5.800,17	102.034	0,9741	50,00
19-12-2019	15:37:00000	10.426,11	5.765,83	101.326	0,9732	50,09
19-12-2019	15:38:00000	10.423,52	5.817,84	102.421	0,9752	50,07
19-12-2019	15:39:00000	10.432,68	5.777,36	101.399	0,9713	49,99
19-12-2019	15:40:00000	10.428,19	5.805,74	102.036	0,9731	50,01
19-12-2019	15:41:00000	10.425,58	5.817,06	102.289	0,9739	50,02
19-12-2019	15:42:00000	10.430,03	5.794,06	101.669	0,9713	50,06
19-12-2019	15:43:00000	10.425,01	5.807,19	102.234	0,9750	50,05
19-12-2019	15:44:00000	10.430,62	5.780,11	101.451	0,9715	50,05
19-12-2019	15:45:00000	10.424,71	5.806,26	102.265	0,9755	50,08
19-12-2019	15:46:00000	10.436,56	5.738,07	101.036	0,9741	49,99
19-12-2019	15:47:00000	10.427,10	5.777,30	101.860	0,9763	49,98
19-12-2019	15:48:00000	10.432,16	5.719,18	101.094	0,9783	50,06
19-12-2019	15:49:00000	10.428,73	5.771,58	101.554	0,9742	49,98
19-12-2019	15:50:00000	10.424,15	5.794,40	102.044	0,9754	49,98
19-12-2019	15:51:00000	10.429,72	5.783,34	101.388	0,9705	49,95



DATOS	61	61	61	61	61
PROMEDIO	10.428	5.790	101.883	0,9743	50,03
DESV EST	4	28	454	0,0020	0,06
DESV EST %	0,0004	0,0048	0,0045	0,0020	0,00
MAX	10.437	5.861	102.980	0,9792	50,16
MIN	10.419	5.719	100.850	0,9705	49,91

Date	Time	Vll avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	15:52:00000	10.427,12	5.799,43	101.703	0,9711	49,91
19-12-2019	15:53:00000	10.426,78	5.786,93	101.604	0,9722	49,93
19-12-2019	15:54:00000	10.430,34	5.762,53	101.409	0,9741	49,97
19-12-2019	15:55:00000	10.436,07	5.753,92	101.048	0,9716	49,98
19-12-2019	15:56:00000	10.427,33	5.789,57	101.696	0,9726	49,95
19-12-2019	15:57:00000	10.423,29	5.817,00	102.347	0,9746	50,01
19-12-2019	15:58:00000	10.429,47	5.760,70	101.671	0,9770	50,05
19-12-2019	15:59:00000	10.423,11	5.779,87	102.102	0,9785	49,98
19-12-2019	16:00:00000	10.431,97	5.771,05	101.457	0,9730	49,96
19-12-2019	16:01:00000	10.429,08	5.783,98	102.034	0,9766	49,94
19-12-2019	16:02:00000	10.427,58	5.791,96	101.747	0,9727	49,98
19-12-2019	16:03:00000	10.429,08	5.787,44	101.739	0,9732	49,99
19-12-2019	16:04:00000	10.426,61	5.811,91	102.069	0,9725	49,92
19-12-2019	16:05:00000	10.423,65	5.803,82	102.309	0,9764	49,98
19-12-2019	16:06:00000	10.419,46	5.860,78	102.980	0,9737	49,97
19-12-2019	16:07:00000	10.422,75	5.834,09	102.855	0,9766	50,01
19-12-2019	16:08:00000	10.429,67	5.793,00	101.852	0,9733	49,99
19-12-2019	16:09:00000	10.425,74	5.829,24	102.294	0,9718	49,97
19-12-2019	16:10:00000	10.425,85	5.844,27	102.616	0,9724	50,00
19-12-2019	16:11:00000	10.428,34	5.810,59	102.173	0,9736	49,94
19-12-2019	16:12:00000	10.426,73	5.818,61	102.069	0,9714	50,06
19-12-2019	16:13:00000	10.425,87	5.802,68	101.878	0,9723	50,01
19-12-2019	16:14:00000	10.428,06	5.813,96	102.283	0,9740	50,07
19-12-2019	16:15:00000	10.422,69	5.834,65	102.886	0,9768	50,03





DATOS	61	61	61	61	61
PROMEDIO	10.428	5.631	98.062	0,9804	50,00
DESV EST	3	23	12.755	0,0034	0,05
DESV EST %	0,0002	0,0040	0,1301	0,0035	0,00
MAX	10.435	5.697	100.291	0,9846	50,11
MIN	10.423	5.587	100	0,9721	49,90

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	16:45:00000	10.425,99	5.637,93	99.159	0,9740	50,00
19-12-2019	16:46:00000	10.425,73	5.663,63	99.652	0,9744	49,94
19-12-2019	16:47:00000	10.428,73	5.663,12	99.597	0,9737	49,98
19-12-2019	16:48:00000	10.424,20	5.696,51	100.154	0,9738	49,95
19-12-2019	16:49:00000	10.425,92	5.661,87	99.585	0,9740	49,92
19-12-2019	16:50:00000	10.431,14	5.665,27	99.499	0,9721	49,94
19-12-2019	16:51:00000	10.428,30	5.640,35	99.285	0,9746	49,95
19-12-2019	16:52:00000	10.425,59	5.653,75	99.864	0,9782	50,07
19-12-2019	16:53:00000	10.430,42	5.617,87	99.163	0,9771	49,95
19-12-2019	16:54:00000	10.435,10	5.625,21	99.004	0,9738	49,90
19-12-2019	16:55:00000	10.425,60	5.655,42	99.622	0,9755	49,92
19-12-2019	16:56:00000	10.426,27	5.625,77	99.273	0,9772	50,00
19-12-2019	16:57:00000	10.430,79	5.674,18	99.729	0,9729	49,93
19-12-2019	16:58:00000	10.428,21	5.647,69	99.450	0,9749	49,92
19-12-2019	16:59:00000	10.427,40	5.596,96	99.157	0,9809	49,98
19-12-2019	17:00:00000	10.424,11	5.662,29	100.052	0,9787	50,00
19-12-2019	17:01:00000	10.427,16	5.622,81	99.499	0,9798	50,03
19-12-2019	17:02:00000	10.427,31	5.637,17	99.777	0,9800	50,00
19-12-2019	17:03:00000	10.433,08	5.587,00	98.961	0,9802	50,00
19-12-2019	17:04:00000	10.423,93	5.610,78	99.541	0,9827	50,00
19-12-2019	17:05:00000	10.430,13	5.603,51	99.489	0,9828	50,03
19-12-2019	17:06:00000	10.427,51	5.620,51	99.746	0,9826	49,99
19-12-2019	17:07:00000	10.427,52	5.623,34	99.780	0,9825	50,00
19-12-2019	17:08:00000	10.428,42	5.609,81	99.641	0,9834	50,01
19-12-2019	17:09:00000	10.425,65	5.635,89	99.934	0,9820	49,96
19-12-2019	17:10:00000	10.428,92	5.622,31	99.774	0,9825	49,98
19-12-2019	17:11:00000	10.422,65	5.648,41	100	0,9823	49,97
19-12-2019	17:12:00000	10.427,48	5.614,59	99.699	0,9832	50,06
19-12-2019	17:13:00000	10.426,52	5.611,43	99.726	0,9841	50,01
19-12-2019	17:14:00000	10.427,31	5.645,34	100.066	0,9815	49,94
19-12-2019	17:15:00000	10.425,26	5.635,24	99.900	0,9818	49,97
19-12-2019	17:16:00000	10.427,54	5.591,77	99.395	0,9842	49,96
19-12-2019	17:17:00000	10.428,25	5.623,58	99.738	0,9819	50,04
19-12-2019	17:18:00000	10.426,08	5.654,31	100.291	0,9822	50,00
19-12-2019	17:19:00000	10.426,47	5.644,11	100.065	0,9817	50,06
19-12-2019	17:20:00000	10.431,59	5.627,10	99.840	0,9820	50,04
19-12-2019	17:21:00000	10.429,18	5.631,81	99.865	0,9817	49,98



DATOS	61	61	61	61	61
PROMEDIO	10.428	5.631	98.062	0,9804	50,00
DESV EST	3	23	12.755	0,0034	0,05
DESV EST %	0,0002	0,0040	0,1301	0,0035	0,00
MAX	10.435	5.697	100.291	0,9846	50,11
MIN	10.423	5.587	100	0,9721	49,90

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	17:22:00000	10.428,77	5.640,57	99.965	0,9812	50,01
19-12-2019	17:23:00000	10.427,73	5.622,62	99.852	0,9833	50,03
19-12-2019	17:24:00000	10.427,83	5.639,24	99.866	0,9805	49,96
19-12-2019	17:25:00000	10.426,64	5.642,41	100.023	0,9816	49,96
19-12-2019	17:26:00000	10.427,57	5.667,88	100.244	0,9793	49,95
19-12-2019	17:27:00000	10.424,30	5.645,76	100.012	0,9811	50,04
19-12-2019	17:28:00000	10.428,13	5.624,86	99.719	0,9815	49,98
19-12-2019	17:29:00000	10.426,94	5.621,30	99.610	0,9812	49,94
19-12-2019	17:30:00000	10.432,49	5.613,55	99.578	0,9817	49,99
19-12-2019	17:31:00000	10.426,79	5.618,40	99.625	0,9819	50,07
19-12-2019	17:32:00000	10.423,67	5.658,92	100.216	0,9809	50,07
19-12-2019	17:33:00000	10.424,41	5.635,70	100.034	0,9831	50,06
19-12-2019	17:34:00000	10.429,08	5.614,21	99.797	0,9841	50,05
19-12-2019	17:35:00000	10.431,74	5.603,86	99.502	0,9827	50,05
19-12-2019	17:36:00000	10.425,58	5.592,77	99.431	0,9846	50,11
19-12-2019	17:37:00000	10.427,90	5.614,09	99.707	0,9833	50,08
19-12-2019	17:38:00000	10.426,57	5.608,17	99.666	0,9841	50,07
19-12-2019	17:39:00000	10.424,86	5.635,58	100.008	0,9828	50,07
19-12-2019	17:40:00000	10.429,84	5.616,10	99.810	0,9838	50,02
19-12-2019	17:41:00000	10.431,56	5.607,81	99.502	0,9821	49,95
19-12-2019	17:42:00000	10.432,40	5.621,25	99.718	0,9818	50,03
19-12-2019	17:43:00000	10.425,82	5.633,14	99.839	0,9815	50,10
19-12-2019	17:44:00000	10.426,96	5.601,54	99.419	0,9828	50,04
19-12-2019	17:45:00000	10.430,68	5.610,76	99.592	0,9825	50,01



DATOS	61	61	61	61	61
PROMEDIO	10.450	5.433	96.683	0,9833	50,00
DESV EST	30	29	382	0,0058	0,06
DESV EST %	0,0029	0,0054	0,0040	0,0059	0,00
MAX	10.515	5.503	97.537	0,9904	50,13
MIN	10.422	5.372	95.832	0,9636	49,88

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	18:15:00000	10.429,54	5.432,67	96.513	0,9835	50,05
19-12-2019	18:16:00000	10.425,81	5.422,76	96.313	0,9836	50,05
19-12-2019	18:17:00000	10.424,24	5.462,33	97.063	0,9842	50,09
19-12-2019	18:18:00000	10.430,61	5.441,88	96.733	0,9839	50,03
19-12-2019	18:19:00000	10.426,05	5.444,10	97.011	0,9868	50,13
19-12-2019	18:20:00000	10.426,72	5.399,61	96.276	0,9873	50,10
19-12-2019	18:21:00000	10.425,46	5.417,59	96.664	0,9881	50,13
19-12-2019	18:22:00000	10.431,23	5.427,89	96.730	0,9864	50,06
19-12-2019	18:23:00000	10.421,64	5.462,82	97.395	0,9877	50,09
19-12-2019	18:24:00000	10.428,59	5.423,06	96.647	0,9867	50,06
19-12-2019	18:25:00000	10.424,20	5.490,51	97.537	0,9839	50,01
19-12-2019	18:26:00000	10.428,19	5.413,25	96.484	0,9868	50,04
19-12-2019	18:27:00000	10.424,71	5.455,48	96.943	0,9842	50,01
19-12-2019	18:28:00000	10.424,46	5.463,30	97.062	0,9840	50,00
19-12-2019	18:29:00000	10.425,03	5.461,26	97.077	0,9845	50,01
19-12-2019	18:30:00000	10.431,17	5.422,75	96.601	0,9860	50,07
19-12-2019	18:31:00000	10.423,19	5.444,49	96.932	0,9862	50,06
19-12-2019	18:32:00000	10.428,19	5.377,85	95.894	0,9872	50,05
19-12-2019	18:33:00000	10.422,87	5.471,94	97.330	0,9853	50,04
19-12-2019	18:34:00000	10.427,20	5.430,96	96.694	0,9858	50,03
19-12-2019	18:35:00000	10.423,43	5.451,88	97.273	0,9883	50,09
19-12-2019	18:36:00000	10.429,47	5.440,84	96.865	0,9856	50,03
19-12-2019	18:37:00000	10.426,79	5.427,04	96.758	0,9872	50,04
19-12-2019	18:38:00000	10.428,08	5.434,38	96.830	0,9865	49,95
19-12-2019	18:39:00000	10.428,96	5.429,06	96.737	0,9865	49,96
19-12-2019	18:40:00000	10.433,23	5.444,12	96.953	0,9855	49,90
19-12-2019	18:41:00000	10.429,00	5.415,33	96.649	0,9881	50,02
19-12-2019	18:42:00000	10.428,87	5.468,11	97.244	0,9846	49,94
19-12-2019	18:43:00000	10.426,45	5.419,52	96.839	0,9895	50,07
19-12-2019	18:44:00000	10.426,70	5.449,28	97.074	0,9864	50,00
19-12-2019	18:45:00000	10.429,64	5.426,90	96.700	0,9864	49,98
19-12-2019	18:46:00000	10.427,62	5.445,00	96.988	0,9863	49,94
19-12-2019	18:47:00000	10.425,40	5.443,98	97.084	0,9876	50,01
19-12-2019	18:48:00000	10.425,98	5.427,72	96.808	0,9877	49,95
19-12-2019	18:49:00000	10.428,52	5.372,30	96.105	0,9904	50,03
19-12-2019	18:50:00000	10.445,35	5.405,52	96.496	0,9867	50,05
19-12-2019	18:51:00000	10.469,54	5.426,82	96.532	0,9810	49,99



DATOS	61	61	61	61	61
PROMEDIO	10.450	5.433	96.683	0,9833	50,00
DESV EST	30	29	382	0,0058	0,06
DESV EST %	0,0029	0,0054	0,0040	0,0059	0,00
MAX	10.515	5.503	97.537	0,9904	50,13
MIN	10.422	5.372	95.832	0,9636	49,88

Date	Time	VII avg	I avg	kW tot	PF sign tot	Freq
19-12-2019	18:52:00000	10.469,04	5.416,43	96.361	0,9812	50,02
19-12-2019	18:53:00000	10.472,41	5.403,14	96.010	0,9797	49,99
19-12-2019	18:54:00000	10.456,82	5.444,95	96.978	0,9834	49,96
19-12-2019	18:55:00000	10.470,08	5.407,83	96.215	0,9811	49,98
19-12-2019	18:56:00000	10.466,57	5.441,95	96.784	0,9811	49,99
19-12-2019	18:57:00000	10.476,14	5.389,94	95.832	0,9799	49,94
19-12-2019	18:58:00000	10.471,68	5.416,19	96.230	0,9796	49,93
19-12-2019	18:59:00000	10.466,02	5.431,24	96.550	0,9807	49,88
19-12-2019	19:00:00000	10.466,77	5.402,15	96.356	0,9839	49,97
19-12-2019	19:01:00000	10.469,80	5.394,18	96.337	0,9849	49,97
19-12-2019	19:02:00000	10.466,00	5.375,26	96.080	0,9861	49,95
19-12-2019	19:03:00000	10.465,40	5.375,53	96.159	0,9869	49,99
19-12-2019	19:04:00000	10.467,69	5.412,79	96.668	0,9851	49,98
19-12-2019	19:05:00000	10.462,80	5.440,07	97.051	0,9845	49,95
19-12-2019	19:06:00000	10.467,25	5.408,47	96.565	0,9848	49,99
19-12-2019	19:07:00000	10.470,66	5.448,26	97.358	0,9854	49,99
19-12-2019	19:08:00000	10.511,22	5.437,77	96.704	0,9768	49,93
19-12-2019	19:09:00000	10.515,46	5.403,08	96.279	0,9784	49,94
19-12-2019	19:10:00000	10.514,53	5.424,22	96.376	0,9757	49,89
19-12-2019	19:11:00000	10.507,89	5.459,43	96.870	0,9749	49,95
19-12-2019	19:12:00000	10.510,55	5.488,95	96.499	0,9657	49,98
19-12-2019	19:13:00000	10.511,53	5.502,99	96.763	0,9658	50,01
19-12-2019	19:14:00000	10.513,65	5.489,87	96.326	0,9636	49,99
19-12-2019	19:15:00000	10.514,82	5.485,42	96.467	0,9656	50,00



DATOS	61	61	61	61	61	61
PROMEDIO	10.511	5.313	94.032	22.633.902	0,9722	50,02
DESV EST	3	21	266	882.253	0,0020	0,04
DESV EST %	0,0003	0,0039	0,0028	0,0390	0,0021	0,00
MAX	10.518	5.368	94.586	24.542.180	0,9773	50,13
MIN	10.501	5.257	93.544	20.290.814	0,9679	49,93

Date	Time	VII avg	I avg	kW tot	kVAR tot	PF sign tot	Freq
19-12-2019	19:45:00000	10.506,46	5.323,71	94.441	21590389	0,9748	50,13
19-12-2019	19:46:00000	10.511,82	5.296,65	93.836	22232787	0,9731	50,06
19-12-2019	19:47:00000	10.510,46	5.295,26	93.976	21464295	0,9749	50,07
19-12-2019	19:48:00000	10.509,12	5.306,35	94.028	22082002	0,9735	50,03
19-12-2019	19:49:00000	10.509,00	5.335,26	94.447	22591967	0,9726	50,03
19-12-2019	19:50:00000	10.510,70	5.308,61	94.032	22307430	0,9730	50,03
19-12-2019	19:51:00000	10.508,82	5.344,44	94.441	23317111	0,9708	50,00
19-12-2019	19:52:00000	10.512,17	5.308,99	94.121	22019926	0,9737	50,04
19-12-2019	19:53:00000	10.508,94	5.354,24	94.586	23466402	0,9706	50,03
19-12-2019	19:54:00000	10.515,64	5.315,58	93.961	23322787	0,9705	50,04
19-12-2019	19:55:00000	10.508,99	5.324,88	94.012	23564873	0,9700	49,99
19-12-2019	19:56:00000	10.508,99	5.324,71	94.189	22830910	0,9719	50,08
19-12-2019	19:57:00000	10.508,02	5.336,05	94.221	23531412	0,9702	50,04
19-12-2019	19:58:00000	10.513,37	5.317,75	93.924	23550137	0,9700	50,01
19-12-2019	19:59:00000	10.507,17	5.350,57	94.411	23828797	0,9696	50,02
19-12-2019	20:00:00000	10.513,04	5.308,11	93.909	22869734	0,9716	50,07
19-12-2019	20:01:00000	10.509,36	5.338,87	94.278	23569943	0,9701	50,02
19-12-2019	20:02:00000	10.512,92	5.320,39	93.996	23446961	0,9703	50,01
19-12-2019	20:03:00000	10.511,44	5.318,82	94.193	22461174	0,9727	50,06
19-12-2019	20:04:00000	10.512,69	5.303,84	93.642	23608201	0,9697	49,99
19-12-2019	20:05:00000	10.511,35	5.335,96	94.148	23940684	0,9692	50,03
19-12-2019	20:06:00000	10.507,85	5.307,29	93.886	22692121	0,9720	50,06
19-12-2019	20:07:00000	10.517,99	5.307,60	93.738	23706744	0,9695	49,98
19-12-2019	20:08:00000	10.508,60	5.367,84	94.566	24542180	0,9679	49,98
19-12-2019	20:09:00000	10.513,56	5.304,57	93.821	22974383	0,9713	50,07
19-12-2019	20:10:00000	10.509,22	5.315,26	94.056	22665410	0,9722	50,03
19-12-2019	20:11:00000	10.509,12	5.313,34	94.318	21387029	0,9752	50,10
19-12-2019	20:12:00000	10.511,14	5.322,34	94.070	23223033	0,9709	49,99
19-12-2019	20:13:00000	10.514,05	5.316,85	94.002	23189777	0,9709	50,02
19-12-2019	20:14:00000	10.508,84	5.299,44	93.863	22215170	0,9731	50,00
19-12-2019	20:15:00000	10.511,48	5.291,96	93.777	22094369	0,9733	50,00
19-12-2019	20:16:00000	10.507,75	5.300,99	93.961	21881904	0,9739	50,04
19-12-2019	20:17:00000	10.515,65	5.297,93	93.852	22414887	0,9726	49,97
19-12-2019	20:18:00000	10.510,10	5.272,06	93.575	21308846	0,9750	50,00
19-12-2019	20:19:00000	10.513,11	5.262,47	93.544	20775830	0,9762	50,03
19-12-2019	20:20:00000	10.510,60	5.313,91	94.074	22534799	0,9725	50,00
19-12-2019	20:21:00000	10.505,45	5.351,44	94.569	23192578	0,9712	49,97
19-12-2019	20:22:00000	10.514,52	5.324,47	94.256	22757143	0,9721	50,00
19-12-2019	20:23:00000	10.513,31	5.304,85	93.863	22815879	0,9717	50,00



DATOS	61	61	61	61	61	61
PROMEDIO	10.511	5.313	94.032	22.633.902	0,9722	50,02
DESV EST	3	21	266	882.253	0,0020	0,04
DESV EST %	0,0003	0,0039	0,0028	0,0390	0,0021	0,00
MAX	10.518	5.368	94.586	24.542.180	0,9773	50,13
MIN	10.501	5.257	93.544	20.290.814	0,9679	49,93

Date	Time	Vll avg	I avg	kW tot	kVAR tot	PF sign tot	Freq
19-12-2019	20:24:00000	10.513,35	5.287,80	93.684	22236160	0,9730	49,96
19-12-2019	20:25:00000	10.511,72	5.297,01	93.962	21718014	0,9743	49,99
19-12-2019	20:26:00000	10.510,90	5.316,01	94.125	22505193	0,9726	49,97
19-12-2019	20:27:00000	10.512,02	5.313,75	93.998	22895662	0,9716	49,99
19-12-2019	20:28:00000	10.512,23	5.283,03	93.588	22216877	0,9730	50,00
19-12-2019	20:29:00000	10.511,96	5.304,66	94.162	21477928	0,9750	50,03
19-12-2019	20:30:00000	10.514,01	5.256,65	93.550	20290814	0,9773	50,06
19-12-2019	20:31:00000	10.508,50	5.298,82	94.013	21511102	0,9748	49,97
19-12-2019	20:32:00000	10.505,78	5.322,86	94.475	21342070	0,9754	50,04
19-12-2019	20:33:00000	10.512,32	5.314,80	94.059	22736271	0,9720	49,93
19-12-2019	20:34:00000	10.505,78	5.322,01	94.232	22318447	0,9731	49,97
19-12-2019	20:35:00000	10.507,32	5.307,70	94.135	21644746	0,9746	50,02
19-12-2019	20:36:00000	10.501,12	5.331,93	94.454	21961357	0,9740	49,98
19-12-2019	20:37:00000	10.516,42	5.331,27	94.148	23771014	0,9696	49,98
19-12-2019	20:38:00000	10.514,19	5.296,83	93.830	22362129	0,9728	50,06
19-12-2019	20:39:00000	10.514,85	5.317,70	93.891	23724359	0,9695	50,03
19-12-2019	20:40:00000	10.513,62	5.320,48	93.878	23943324	0,9690	49,97
19-12-2019	20:41:00000	10.508,78	5.302,07	93.745	22907770	0,9714	50,00
19-12-2019	20:42:00000	10.511,75	5.307,85	93.865	22976729	0,9713	50,02
19-12-2019	20:43:00000	10.507,44	5.329,70	94.075	23621195	0,9699	50,00
19-12-2019	20:44:00000	10.514,54	5.272,40	93.592	21443016	0,9747	50,02
19-12-2019	20:45:00000	10.511,89	5.310,84	93.894	23093852	0,9711	49,98



12/18/2019 3:59:00

PM 12/18/2019  
DATOS

	31	31
PROMEDIO	0,9692	157.393
DESV EST	0,1058	451
DESV EST %		0,0029
MAX	0,9673	156.331
MIN	0,9712	158.406

Timestamp	NEH_Gx.SE_SLU_LO	NEH_Gx.SE_SLU_LO
	1 Power Factor (%)	1 Real Power (kW)
12/18/2019 4:00:00 PM	-96,93	-157.121,94
12/18/2019 4:01:00 PM	-97,11	-157.012,14
12/18/2019 4:02:00 PM	-97,02	-157.194,14
12/18/2019 4:03:00 PM	-96,95	-156.330,55
12/18/2019 4:04:00 PM	-97,02	-157.248,05
12/18/2019 4:05:00 PM	-96,85	-157.772,63
12/18/2019 4:06:00 PM	-96,95	-157.252,61
12/18/2019 4:07:00 PM	-96,76	-157.965,27
12/18/2019 4:08:00 PM	-96,82	-158.234,33
12/18/2019 4:09:00 PM	-96,82	-157.897,30
12/18/2019 4:10:00 PM	-96,89	-157.454,50
12/18/2019 4:11:00 PM	-96,78	-156.622,80
12/18/2019 4:12:00 PM	-96,89	-157.594,53
12/18/2019 4:13:00 PM	-96,73	-157.407,73
12/18/2019 4:14:00 PM	-97,01	-157.621,52
12/18/2019 4:15:00 PM	-96,93	-157.556,84
12/18/2019 4:16:00 PM	-96,87	-158.405,69
12/18/2019 4:17:00 PM	-96,88	-156.952,81
12/18/2019 4:18:00 PM	-97,08	-157.094,69
12/18/2019 4:19:00 PM	-96,84	-157.357,95
12/18/2019 4:20:00 PM	-96,78	-158.055,64
12/18/2019 4:21:00 PM	-97,12	-157.514,58
12/18/2019 4:22:00 PM	-96,95	-156.905,61
12/18/2019 4:23:00 PM	-97,01	-157.120,05
12/18/2019 4:24:00 PM	-96,81	-157.846,78
12/18/2019 4:25:00 PM	-96,94	-157.186,77
12/18/2019 4:26:00 PM	-96,94	-157.473,02
12/18/2019 4:27:00 PM	-97,00	-157.032,45
12/18/2019 4:28:00 PM	-96,83	-157.473,92
12/18/2019 4:29:00 PM	-96,91	-157.148,30
12/18/2019 4:30:00 PM	-97,09	-157.329,08



12/18/2019 2:44:00

PM 12/18/2019  
DATOS

	31	31
PROMEDIO	0,9730	166.304
DESV EST	0,1226	359
DESV EST %		0,0022
MAX	0,9705	165.735
MIN	0,9756	167.077

Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/18/2019 2:45:00 PM	-97,35	-166.233,00
12/18/2019 2:46:00 PM	-97,54	-165.829,59
12/18/2019 2:47:00 PM	-97,38	-167.077,27
12/18/2019 2:48:00 PM	-97,56	-166.106,92
12/18/2019 2:49:00 PM	-97,27	-166.139,06
12/18/2019 2:50:00 PM	-97,13	-166.898,91
12/18/2019 2:51:00 PM	-97,42	-166.257,91
12/18/2019 2:52:00 PM	-97,55	-166.117,53
12/18/2019 2:53:00 PM	-97,44	-165.955,17
12/18/2019 2:54:00 PM	-97,30	-166.570,73
12/18/2019 2:55:00 PM	-97,18	-167.043,00
12/18/2019 2:56:00 PM	-97,39	-166.473,86
12/18/2019 2:57:00 PM	-97,30	-166.325,19
12/18/2019 2:58:00 PM	-97,32	-166.532,11
12/18/2019 2:59:00 PM	-97,29	-165.883,45
12/18/2019 3:00:00 PM	-97,25	-166.473,86
12/18/2019 3:01:00 PM	-97,27	-166.266,55
12/18/2019 3:02:00 PM	-97,28	-166.585,20
12/18/2019 3:03:00 PM	-97,33	-165.794,75
12/18/2019 3:04:00 PM	-97,23	-165.802,47
12/18/2019 3:05:00 PM	-97,25	-166.679,66
12/18/2019 3:06:00 PM	-97,47	-166.589,11
12/18/2019 3:07:00 PM	-97,27	-166.658,67
12/18/2019 3:08:00 PM	-97,23	-166.220,39
12/18/2019 3:09:00 PM	-97,26	-166.010,59
12/18/2019 3:10:00 PM	-97,32	-165.866,30
12/18/2019 3:11:00 PM	-97,25	-165.735,34
12/18/2019 3:12:00 PM	-97,18	-166.395,00
12/18/2019 3:13:00 PM	-97,15	-166.266,09
12/18/2019 3:14:00 PM	-97,18	-166.316,61
12/18/2019 3:15:00 PM	-97,05	-166.306,89





12/18/2019 1:29:00

PM 12/18/2019  
DATOS

	31	31
PROMEDIO	0,9831	175.236
DESV EST	0,1044	372
DESV EST %		0,0021
MAX	0,9809	174.443
MIN	0,9859	175.942

Timestamp	NEH_Gx.SE_SLU_LO 1 Power Factor (%)	NEH_Gx.SE_SLU_LO 1 Real Power (kW)
12/18/2019 1:30:00 PM	-98,50	-174.563,72
12/18/2019 1:31:00 PM	-98,59	-174.442,83
12/18/2019 1:32:00 PM	-98,32	-175.941,72
12/18/2019 1:33:00 PM	-98,42	-175.366,66
12/18/2019 1:34:00 PM	-98,44	-175.197,77
12/18/2019 1:35:00 PM	-98,31	-175.112,81
12/18/2019 1:36:00 PM	-98,33	-175.474,41
12/18/2019 1:37:00 PM	-98,41	-175.439,42
12/18/2019 1:38:00 PM	-98,30	-174.976,31
12/18/2019 1:39:00 PM	-98,34	-175.044,28
12/18/2019 1:40:00 PM	-98,39	-175.323,52
12/18/2019 1:41:00 PM	-98,23	-174.758,58
12/18/2019 1:42:00 PM	-98,33	-175.205,56
12/18/2019 1:43:00 PM	-98,41	-175.332,42
12/18/2019 1:44:00 PM	-98,29	-175.061,38
12/18/2019 1:45:00 PM	-98,27	-174.896,02
12/18/2019 1:46:00 PM	-98,09	-175.223,19
12/18/2019 1:47:00 PM	-98,23	-175.917,63
12/18/2019 1:48:00 PM	-98,20	-175.917,80
12/18/2019 1:49:00 PM	-98,27	-175.586,50
12/18/2019 1:50:00 PM	-98,17	-174.795,03
12/18/2019 1:51:00 PM	-98,27	-175.671,13
12/18/2019 1:52:00 PM	-98,25	-174.955,30
12/18/2019 1:53:00 PM	-98,28	-175.137,89
12/18/2019 1:54:00 PM	-98,18	-175.359,98
12/18/2019 1:55:00 PM	-98,18	-175.577,31
12/18/2019 1:56:00 PM	-98,37	-175.274,64
12/18/2019 1:57:00 PM	-98,35	-175.372,16
12/18/2019 1:58:00 PM	-98,27	-174.726,13
12/18/2019 1:59:00 PM	-98,23	-175.347,92
12/18/2019 2:00:00 PM	-98,25	-175.314,63



Potencia  
San Luis  
J3

12/18/2019 12:14:00 PM - 12/18/2019

DATOS	31	31
PROMEDIO	0,9778	184.092
DESV EST	0,1061	310
DESV EST %		0,0017
MAX	0,9755	183.344
MIN	0,9794	184.663

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/18/2019 12:15:00 PM	-97,94	-183.904,67
12/18/2019 12:16:00 PM	-97,79	-184.159,86
12/18/2019 12:17:00 PM	-97,80	-184.663,36
12/18/2019 12:18:00 PM	-97,88	-183.995,17
12/18/2019 12:19:00 PM	-97,80	-184.086,72
12/18/2019 12:20:00 PM	-97,90	-184.150,78
12/18/2019 12:21:00 PM	-97,76	-184.402,88
12/18/2019 12:22:00 PM	-97,72	-184.637,36
12/18/2019 12:23:00 PM	-97,72	-183.820,17
12/18/2019 12:24:00 PM	-97,78	-183.771,41
12/18/2019 12:25:00 PM	-97,86	-183.561,28
12/18/2019 12:26:00 PM	-97,82	-184.422,61
12/18/2019 12:27:00 PM	-97,67	-184.017,44
12/18/2019 12:28:00 PM	-97,76	-184.211,64
12/18/2019 12:29:00 PM	-97,60	-184.148,53
12/18/2019 12:30:00 PM	-97,77	-184.220,50
12/18/2019 12:31:00 PM	-97,79	-183.986,36
12/18/2019 12:32:00 PM	-97,70	-184.319,22
12/18/2019 12:33:00 PM	-97,71	-184.416,95
12/18/2019 12:34:00 PM	-97,55	-184.182,08
12/18/2019 12:35:00 PM	-97,62	-184.402,20
12/18/2019 12:36:00 PM	-97,59	-183.984,73
12/18/2019 12:37:00 PM	-97,65	-184.068,05
12/18/2019 12:38:00 PM	-97,77	-183.413,58
12/18/2019 12:39:00 PM	-97,83	-184.173,73
12/18/2019 12:40:00 PM	-97,93	-183.833,20
12/18/2019 12:41:00 PM	-97,88	-184.344,22
12/18/2019 12:42:00 PM	-97,92	-184.239,03
12/18/2019 12:43:00 PM	-97,82	-183.343,53
12/18/2019 12:44:00 PM	-97,89	-184.053,83
12/18/2019 12:45:00 PM	-97,87	-183.910,94



# Potencia San Luis J3

12/18/2019 11:29:00 AM - 12/18/2019

DATOS	31	31
PROMEDIO	0,9718	191.850
DESV EST	0,1201	443
DESV EST %		0,0023
MAX	0,9688	190.451
MIN	0,9741	192.621

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/18/2019 11:30:00 AM	-97,18	-191.837,56
12/18/2019 11:31:00 AM	-97,36	-192.497,38
12/18/2019 11:32:00 AM	-97,29	-191.570,83
12/18/2019 11:33:00 AM	-97,22	-191.644,84
12/18/2019 11:34:00 AM	-97,02	-192.085,45
12/18/2019 11:35:00 AM	-97,09	-192.360,39
12/18/2019 11:36:00 AM	-97,41	-191.786,31
12/18/2019 11:37:00 AM	-97,32	-191.837,36
12/18/2019 11:38:00 AM	-97,30	-191.794,61
12/18/2019 11:39:00 AM	-97,13	-191.406,03
12/18/2019 11:40:00 AM	-96,88	-191.879,52
12/18/2019 11:41:00 AM	-97,04	-192.387,77
12/18/2019 11:42:00 AM	-97,37	-191.399,73
12/18/2019 11:43:00 AM	-97,18	-192.158,95
12/18/2019 11:44:00 AM	-97,02	-192.299,92
12/18/2019 11:45:00 AM	-97,15	-191.644,31
12/18/2019 11:46:00 AM	-97,08	-191.990,75
12/18/2019 11:47:00 AM	-97,16	-192.032,78
12/18/2019 11:48:00 AM	-97,12	-191.897,02
12/18/2019 11:49:00 AM	-97,27	-191.225,44
12/18/2019 11:50:00 AM	-97,25	-191.992,98
12/18/2019 11:51:00 AM	-97,13	-191.354,05
12/18/2019 11:52:00 AM	-97,07	-192.214,09
12/18/2019 11:53:00 AM	-97,26	-192.057,39
12/18/2019 11:54:00 AM	-97,36	-190.450,53
12/18/2019 11:55:00 AM	-97,21	-192.042,86
12/18/2019 11:56:00 AM	-97,20	-191.849,56
12/18/2019 11:57:00 AM	-97,19	-192.151,02
12/18/2019 11:58:00 AM	-97,10	-192.620,73
12/18/2019 11:59:00 AM	-97,17	-191.235,25
12/18/2019 12:00:00 PM	-97,15	-191.630,33



Potencia  
San Luis  
J3

12/18/2019 10:14:00 AM - 12/18/2019

DATOS	31	31
PROMEDIO	0,9713	200.952
DESV EST	0,2217	488
DESV EST %		0,0024
MAX	0,9675	199.934
MIN	0,9756	201.913

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/18/2019 10:15:00 AM	-97,23	-201.913,31
12/18/2019 10:16:00 AM	-97,37	-201.132,20
12/18/2019 10:17:00 AM	-97,56	-201.063,66
12/18/2019 10:18:00 AM	-97,18	-201.260,98
12/18/2019 10:19:00 AM	-97,36	-201.251,72
12/18/2019 10:20:00 AM	-97,40	-201.738,92
12/18/2019 10:21:00 AM	-97,50	-201.906,59
12/18/2019 10:22:00 AM	-97,34	-201.114,88
12/18/2019 10:23:00 AM	-97,34	-200.418,53
12/18/2019 10:24:00 AM	-97,26	-201.373,48
12/18/2019 10:25:00 AM	-97,31	-200.722,73
12/18/2019 10:26:00 AM	-97,21	-201.070,23
12/18/2019 10:27:00 AM	-97,16	-201.306,56
12/18/2019 10:28:00 AM	-97,31	-200.748,22
12/18/2019 10:29:00 AM	-97,04	-201.168,83
12/18/2019 10:30:00 AM	-97,17	-201.042,16
12/18/2019 10:31:00 AM	-97,23	-200.997,56
12/18/2019 10:32:00 AM	-97,09	-201.130,91
12/18/2019 10:33:00 AM	-97,12	-201.519,63
12/18/2019 10:34:00 AM	-97,12	-200.909,55
12/18/2019 10:35:00 AM	-97,10	-200.192,78
12/18/2019 10:36:00 AM	-97,13	-200.436,77
12/18/2019 10:37:00 AM	-96,99	-200.481,94
12/18/2019 10:38:00 AM	-96,90	-200.844,27
12/18/2019 10:39:00 AM	-96,85	-200.655,98
12/18/2019 10:40:00 AM	-96,75	-200.973,11
12/18/2019 10:41:00 AM	-96,75	-200.003,17
12/18/2019 10:42:00 AM	-96,85	-199.933,61
12/18/2019 10:43:00 AM	-96,93	-200.533,86
12/18/2019 10:44:00 AM	-96,85	-200.738,66
12/18/2019 10:45:00 AM	-96,78	-200.912,13



Potencia  
San Luis  
J3

12/18/2019 8:59:00 AM - 12/18/2019

DATOS	31	31
PROMEDIO	0,9776	209.470
DESV EST	0,3297	582
DESV EST %		0,0028
MAX	0,9725	207.996
MIN	0,9833	210.629

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor A (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/18/2019 9:00:00 AM	-97,77	-209.380,33
12/18/2019 9:01:00 AM	-97,57	-209.831,55
12/18/2019 9:02:00 AM	-97,63	-209.985,58
12/18/2019 9:03:00 AM	-97,45	-210.524,19
12/18/2019 9:04:00 AM	-97,44	-209.825,53
12/18/2019 9:05:00 AM	-97,25	-209.293,58
12/18/2019 9:06:00 AM	-97,41	-209.628,61
12/18/2019 9:07:00 AM	-97,27	-209.425,95
12/18/2019 9:08:00 AM	-97,35	-208.759,08
12/18/2019 9:09:00 AM	-97,26	-210.372,66
12/18/2019 9:10:00 AM	-97,32	-209.613,84
12/18/2019 9:11:00 AM	-97,26	-209.419,92
12/18/2019 9:12:00 AM	-97,93	-209.194,89
12/18/2019 9:13:00 AM	-97,75	-210.135,59
12/18/2019 9:14:00 AM	-97,83	-209.382,28
12/18/2019 9:15:00 AM	-97,84	-210.029,03
12/18/2019 9:16:00 AM	-97,85	-209.732,59
12/18/2019 9:17:00 AM	-97,84	-209.510,28
12/18/2019 9:18:00 AM	-97,68	-210.628,66
12/18/2019 9:19:00 AM	-97,92	-209.490,55
12/18/2019 9:20:00 AM	-97,96	-208.448,14
12/18/2019 9:21:00 AM	-97,94	-208.852,44
12/18/2019 9:22:00 AM	-98,01	-208.677,48
12/18/2019 9:23:00 AM	-97,84	-209.512,58
12/18/2019 9:24:00 AM	-98,00	-207.996,19
12/18/2019 9:25:00 AM	-98,20	-208.795,91
12/18/2019 9:26:00 AM	-98,18	-209.474,58
12/18/2019 9:27:00 AM	-98,26	-209.310,38
12/18/2019 9:28:00 AM	-98,13	-209.243,56
12/18/2019 9:29:00 AM	-98,16	-209.341,88
12/18/2019 9:30:00 AM	-98,33	-209.753,08



12/19/2019 7:44:00

PM 12/19/2019

DATOS

	61	61
PROMEDIO	0,9913	154.465
DESV EST	0,1084	578
DESV EST %		0,0037
MAX	0,9893	153.134
MIN	0,9936	155.721

Timestamp	NEH_Gx.SE_SLU_LO 1 Power Factor C (%)	NEH_Gx.SE_SLU_LO 1 Real Power (kW)
12/19/2019 7:45:00 PM	-99,06	-154.194,73
12/19/2019 7:46:00 PM	-99,31	-153.982,91
12/19/2019 7:47:00 PM	-99,16	-153.639,92
12/19/2019 7:48:00 PM	-99,22	-155.178,42
12/19/2019 7:49:00 PM	-99,12	-154.129,84
12/19/2019 7:50:00 PM	-99,04	-154.230,16
12/19/2019 7:51:00 PM	-99,05	-153.795,20
12/19/2019 7:52:00 PM	-99,23	-154.273,58
12/19/2019 7:53:00 PM	-99,17	-154.152,28
12/19/2019 7:54:00 PM	-99,10	-154.217,89
12/19/2019 7:55:00 PM	-99,07	-154.983,25
12/19/2019 7:56:00 PM	-99,06	-154.771,97
12/19/2019 7:57:00 PM	-99,01	-154.035,11
12/19/2019 7:58:00 PM	-99,01	-154.487,78
12/19/2019 7:59:00 PM	-99,04	-154.295,22
12/19/2019 8:00:00 PM	-98,96	-154.810,97
12/19/2019 8:01:00 PM	-98,93	-153.904,50
12/19/2019 8:02:00 PM	-99,02	-153.708,44
12/19/2019 8:03:00 PM	-99,25	-154.661,94
12/19/2019 8:04:00 PM	-99,03	-154.692,22
12/19/2019 8:05:00 PM	-99,01	-154.155,30
12/19/2019 8:06:00 PM	-99,03	-154.620,02
12/19/2019 8:07:00 PM	-99,14	-154.734,06
12/19/2019 8:08:00 PM	-99,12	-154.249,69
12/19/2019 8:09:00 PM	-99,03	-155.100,73
12/19/2019 8:10:00 PM	-98,98	-154.452,67
12/19/2019 8:11:00 PM	-99,22	-154.268,89
12/19/2019 8:12:00 PM	-99,21	-155.453,38
12/19/2019 8:13:00 PM	-99,09	-155.218,31
12/19/2019 8:14:00 PM	-99,05	-154.499,84
12/19/2019 8:15:00 PM	-99,21	-155.112,44
12/19/2019 8:16:00 PM	-99,14	-153.991,20
12/19/2019 8:17:00 PM	-99,11	-154.430,95
12/19/2019 8:18:00 PM	-99,12	-154.119,83
12/19/2019 8:19:00 PM	-99,35	-155.535,20

Neto TG\_253 CC

Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor C (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 8:20:00 PM	-99,20	-155.720,83
12/19/2019 8:21:00 PM	-99,15	-155.029,44
12/19/2019 8:22:00 PM	-99,19	-153.504,23
12/19/2019 8:23:00 PM	-99,24	-154.759,09
12/19/2019 8:24:00 PM	-99,16	-154.483,42
12/19/2019 8:25:00 PM	-99,19	-153.135,72
12/19/2019 8:26:00 PM	-99,22	-153.715,25
12/19/2019 8:27:00 PM	-99,11	-155.050,78
12/19/2019 8:28:00 PM	-99,09	-154.139,63
12/19/2019 8:29:00 PM	-99,16	-153.133,63
12/19/2019 8:30:00 PM	-99,26	-154.291,88
12/19/2019 8:31:00 PM	-99,36	-153.561,25
12/19/2019 8:32:00 PM	-99,36	-153.544,67
12/19/2019 8:33:00 PM	-99,36	-154.467,53
12/19/2019 8:34:00 PM	-99,20	-154.148,92
12/19/2019 8:35:00 PM	-99,21	-154.328,16
12/19/2019 8:36:00 PM	-99,24	-155.121,91
12/19/2019 8:37:00 PM	-99,20	-154.654,30
12/19/2019 8:38:00 PM	-99,23	-154.852,50
12/19/2019 8:39:00 PM	-99,08	-154.587,64
12/19/2019 8:40:00 PM	-99,02	-155.113,28
12/19/2019 8:41:00 PM	-98,95	-154.835,91
12/19/2019 8:42:00 PM	-98,95	-155.112,42
12/19/2019 8:43:00 PM	-99,06	-154.746,70
12/19/2019 8:44:00 PM	-99,03	-154.951,69
12/19/2019 8:45:00 PM	-99,18	-155.309,56



Potencia  
San Luis  
J3

12/19/2019 6:14:00 PM - 12/19/2019

DATOS	61	61
PROMEDIO	0,9955	162.620
DESV EST	0,2812	1.329
DESV EST %		0,0082
MAX	0,9854	154.002
MIN	0,9985	164.433

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 6:15:00 PM	-99,61	-163.077,63
12/19/2019 6:16:00 PM	-99,55	-163.762,52
12/19/2019 6:17:00 PM	-99,56	-163.152,02
12/19/2019 6:18:00 PM	-99,67	-162.061,64
12/19/2019 6:19:00 PM	-99,68	-162.897,80
12/19/2019 6:20:00 PM	-99,79	-161.945,56
12/19/2019 6:21:00 PM	-99,81	-162.117,02
12/19/2019 6:22:00 PM	-99,71	-162.890,72
12/19/2019 6:23:00 PM	-99,76	-163.536,38
12/19/2019 6:24:00 PM	-99,72	-162.472,69
12/19/2019 6:25:00 PM	-99,74	-162.180,30
12/19/2019 6:26:00 PM	-99,64	-164.433,03
12/19/2019 6:27:00 PM	-99,63	-162.526,03
12/19/2019 6:28:00 PM	-99,67	-162.998,47
12/19/2019 6:29:00 PM	-99,71	-163.679,42
12/19/2019 6:30:00 PM	-99,71	-161.346,31
12/19/2019 6:31:00 PM	-99,68	-162.974,52
12/19/2019 6:32:00 PM	-99,73	-163.303,31
12/19/2019 6:33:00 PM	-99,74	-161.970,55
12/19/2019 6:34:00 PM	-99,75	-163.336,91
12/19/2019 6:35:00 PM	-99,82	-162.888,41
12/19/2019 6:36:00 PM	-99,73	-162.955,91
12/19/2019 6:37:00 PM	-99,74	-162.843,45
12/19/2019 6:38:00 PM	-99,64	-163.572,56
12/19/2019 6:39:00 PM	-99,72	-162.245,64
12/19/2019 6:40:00 PM	-99,74	-162.353,38
12/19/2019 6:41:00 PM	-99,73	-163.175,59
12/19/2019 6:42:00 PM	-99,67	-162.375,98
12/19/2019 6:43:00 PM	-99,75	-163.034,17
12/19/2019 6:44:00 PM	-99,85	-163.205,98
12/19/2019 6:45:00 PM	-99,60	-162.889,67
12/19/2019 6:46:00 PM	-99,35	-163.556,06
12/19/2019 6:47:00 PM	-99,32	-162.924,92
12/19/2019 6:48:00 PM	-99,37	-159.958,91
12/19/2019 6:49:00 PM	-99,32	-154.002,48



Neto TG\_265 CC

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 6:50:00 PM	-99,57	-163.242,05
12/19/2019 6:51:00 PM	-99,49	-161.794,28
12/19/2019 6:52:00 PM	-99,53	-163.160,06
12/19/2019 6:53:00 PM	-99,51	-162.599,97
12/19/2019 6:54:00 PM	-99,58	-162.529,33
12/19/2019 6:55:00 PM	-99,48	-162.818,31
12/19/2019 6:56:00 PM	-99,60	-162.023,88
12/19/2019 6:57:00 PM	-99,57	-162.963,44
12/19/2019 6:58:00 PM	-99,55	-162.887,02
12/19/2019 6:59:00 PM	-99,55	-163.259,63
12/19/2019 7:00:00 PM	-99,49	-162.619,95
12/19/2019 7:01:00 PM	-99,70	-163.910,02
12/19/2019 7:02:00 PM	-99,60	-161.630,72
12/19/2019 7:03:00 PM	-99,59	-162.707,89
12/19/2019 7:04:00 PM	-99,72	-163.467,63
12/19/2019 7:05:00 PM	-99,73	-163.073,47
12/19/2019 7:06:00 PM	-99,71	-162.845,31
12/19/2019 7:07:00 PM	-99,24	-162.887,97
12/19/2019 7:08:00 PM	-99,24	-162.008,81
12/19/2019 7:09:00 PM	-99,35	-163.462,84
12/19/2019 7:10:00 PM	-99,50	-162.435,86
12/19/2019 7:11:00 PM	-99,22	-162.763,13
12/19/2019 7:12:00 PM	-98,68	-163.799,27
12/19/2019 7:13:00 PM	-98,70	-162.418,50
12/19/2019 7:14:00 PM	-98,72	-161.698,73
12/19/2019 7:15:00 PM	-98,54	-162.182,16



Potencia  
San Luis  
J3

12/19/2019 4:44:00 PM - 12/19/2019

DATOS	61	61
PROMEDIO	0,9952	171.320
DESV EST	0,1541	742
DESV EST %		0,0043
MAX	0,9914	169.404
MIN	0,9976	173.041

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 4:45:00 PM	-99,14	-170.343,39
12/19/2019 4:46:00 PM	-99,26	-173.041,25
12/19/2019 4:47:00 PM	-99,26	-171.902,56
12/19/2019 4:48:00 PM	-99,23	-172.365,58
12/19/2019 4:49:00 PM	-99,31	-171.384,91
12/19/2019 4:50:00 PM	-99,21	-173.035,52
12/19/2019 4:51:00 PM	-99,28	-169.848,14
12/19/2019 4:52:00 PM	-99,31	-171.340,28
12/19/2019 4:53:00 PM	-99,35	-172.116,09
12/19/2019 4:54:00 PM	-99,34	-171.374,05
12/19/2019 4:55:00 PM	-99,31	-170.817,92
12/19/2019 4:56:00 PM	-99,27	-171.837,84
12/19/2019 4:57:00 PM	-99,20	-171.529,50
12/19/2019 4:58:00 PM	-99,37	-171.897,19
12/19/2019 4:59:00 PM	-99,38	-170.944,95
12/19/2019 5:00:00 PM	-99,48	-171.390,77
12/19/2019 5:01:00 PM	-99,55	-172.143,70
12/19/2019 5:02:00 PM	-99,50	-170.610,61
12/19/2019 5:03:00 PM	-99,58	-172.009,14
12/19/2019 5:04:00 PM	-99,54	-171.748,39
12/19/2019 5:05:00 PM	-99,58	-170.973,86
12/19/2019 5:06:00 PM	-99,64	-171.296,09
12/19/2019 5:07:00 PM	-99,67	-171.496,91
12/19/2019 5:08:00 PM	-99,65	-171.699,69
12/19/2019 5:09:00 PM	-99,63	-171.790,09
12/19/2019 5:10:00 PM	-99,57	-171.086,69
12/19/2019 5:11:00 PM	-99,65	-171.672,36
12/19/2019 5:12:00 PM	-99,68	-171.714,20
12/19/2019 5:13:00 PM	-99,67	-169.855,61
12/19/2019 5:14:00 PM	-99,59	-171.611,02
12/19/2019 5:15:00 PM	-99,59	-170.529,64
12/19/2019 5:16:00 PM	-99,58	-170.939,73
12/19/2019 5:17:00 PM	-99,46	-170.620,83
12/19/2019 5:18:00 PM	-99,50	-170.254,05
12/19/2019 5:19:00 PM	-99,58	-171.048,86

Neto TG\_276 CC

Timestamp	NEH_Gx.SE_SLU_L01 Power Factor B (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 5:20:00 PM	-99,53	-172.122,81
12/19/2019 5:21:00 PM	-99,60	-171.812,94
12/19/2019 5:22:00 PM	-99,65	-170.474,22
12/19/2019 5:23:00 PM	-99,67	-171.465,63
12/19/2019 5:24:00 PM	-99,62	-170.686,53
12/19/2019 5:25:00 PM	-99,54	-171.575,25
12/19/2019 5:26:00 PM	-99,55	-170.287,81
12/19/2019 5:27:00 PM	-99,54	-170.563,98
12/19/2019 5:28:00 PM	-99,62	-170.960,11
12/19/2019 5:29:00 PM	-99,57	-170.528,64
12/19/2019 5:30:00 PM	-99,58	-172.066,80
12/19/2019 5:31:00 PM	-99,59	-171.903,05
12/19/2019 5:32:00 PM	-99,55	-169.403,56
12/19/2019 5:33:00 PM	-99,70	-170.384,91
12/19/2019 5:34:00 PM	-99,66	-171.168,83
12/19/2019 5:35:00 PM	-99,67	-170.575,22
12/19/2019 5:36:00 PM	-99,67	-171.276,64
12/19/2019 5:37:00 PM	-99,76	-170.946,34
12/19/2019 5:38:00 PM	-99,70	-172.001,03
12/19/2019 5:39:00 PM	-99,66	-172.315,77
12/19/2019 5:40:00 PM	-99,64	-172.101,52
12/19/2019 5:41:00 PM	-99,54	-171.979,67
12/19/2019 5:42:00 PM	-99,61	-171.623,92
12/19/2019 5:43:00 PM	-99,57	-171.248,09
12/19/2019 5:44:00 PM	-99,63	-171.044,00
12/19/2019 5:45:00 PM	-99,66	-171.720,73



12/19/2019 3:14:00

PM 12/19/2019		
DATOS	61	61
PROMEDIO	0,9948	180.610
DESV EST	0,0681	644
DESV EST %		0,0036
MAX	0,9936	178.833
MIN	0,9967	181.864

Timestamp	NEH_Gx.SE_SLU_LO 1 Power Factor (%)	NEH_Gx.SE_SLU_LO 1 Real Power (kW)
12/19/2019 3:15:00 PM	-99,53	-181.189,45
12/19/2019 3:16:00 PM	-99,46	-180.568,66
12/19/2019 3:17:00 PM	-99,55	-181.412,08
12/19/2019 3:18:00 PM	-99,57	-181.125,44
12/19/2019 3:19:00 PM	-99,60	-180.201,17
12/19/2019 3:20:00 PM	-99,52	-179.998,22
12/19/2019 3:21:00 PM	-99,46	-180.790,98
12/19/2019 3:22:00 PM	-99,43	-180.619,63
12/19/2019 3:23:00 PM	-99,43	-180.335,97
12/19/2019 3:24:00 PM	-99,51	-181.335,45
12/19/2019 3:25:00 PM	-99,46	-179.535,69
12/19/2019 3:26:00 PM	-99,57	-179.310,33
12/19/2019 3:27:00 PM	-99,45	-179.657,28
12/19/2019 3:28:00 PM	-99,43	-181.210,06
12/19/2019 3:29:00 PM	-99,52	-178.832,52
12/19/2019 3:30:00 PM	-99,39	-181.595,92
12/19/2019 3:31:00 PM	-99,43	-180.001,17
12/19/2019 3:32:00 PM	-99,44	-180.728,44
12/19/2019 3:33:00 PM	-99,50	-181.305,11
12/19/2019 3:34:00 PM	-99,56	-180.271,78
12/19/2019 3:35:00 PM	-99,59	-179.695,48
12/19/2019 3:36:00 PM	-99,46	-181.305,92
12/19/2019 3:37:00 PM	-99,42	-180.853,80
12/19/2019 3:38:00 PM	-99,41	-181.534,63
12/19/2019 3:39:00 PM	-99,45	-180.148,56
12/19/2019 3:40:00 PM	-99,50	-180.795,73
12/19/2019 3:41:00 PM	-99,49	-181.088,14
12/19/2019 3:42:00 PM	-99,53	-180.641,77
12/19/2019 3:43:00 PM	-99,48	-180.990,97
12/19/2019 3:44:00 PM	-99,41	-180.207,58
12/19/2019 3:45:00 PM	-99,53	-181.025,16
12/19/2019 3:46:00 PM	-99,58	-180.128,59
12/19/2019 3:47:00 PM	-99,57	-180.574,44
12/19/2019 3:48:00 PM	-99,54	-181.353,44
12/19/2019 3:49:00 PM	-99,58	-180.210,25

Neto TG\_288 CC

Timestamp	NEH_Gx.SE_SLU_LO 1 Power Factor (%)	NEH_Gx.SE_SLU_LO 1 Real Power (kW)
12/19/2019 3:50:00 PM	-99,44	-180.809,80
12/19/2019 3:51:00 PM	-99,41	-180.878,64
12/19/2019 3:52:00 PM	-99,40	-181.265,09
12/19/2019 3:53:00 PM	-99,50	-180.481,91
12/19/2019 3:54:00 PM	-99,54	-180.912,28
12/19/2019 3:55:00 PM	-99,36	-180.607,30
12/19/2019 3:56:00 PM	-99,52	-181.103,42
12/19/2019 3:57:00 PM	-99,52	-180.394,27
12/19/2019 3:58:00 PM	-99,67	-179.698,80
12/19/2019 3:59:00 PM	-99,58	-180.579,61
12/19/2019 4:00:00 PM	-99,45	-180.935,69
12/19/2019 4:01:00 PM	-99,48	-181.479,33
12/19/2019 4:02:00 PM	-99,47	-181.105,11
12/19/2019 4:03:00 PM	-99,46	-179.858,61
12/19/2019 4:04:00 PM	-99,44	-181.493,72
12/19/2019 4:05:00 PM	-99,40	-180.593,31
12/19/2019 4:06:00 PM	-99,37	-180.084,69
12/19/2019 4:07:00 PM	-99,54	-181.863,88
12/19/2019 4:08:00 PM	-99,44	-180.331,50
12/19/2019 4:09:00 PM	-99,42	-179.816,50
12/19/2019 4:10:00 PM	-99,40	-180.293,05
12/19/2019 4:11:00 PM	-99,43	-181.305,72
12/19/2019 4:12:00 PM	-99,37	-180.316,75
12/19/2019 4:13:00 PM	-99,40	-180.647,41
12/19/2019 4:14:00 PM	-99,52	-179.346,44
12/19/2019 4:15:00 PM	-99,48	-180.446,73



12/19/2019 1:44:00

PM 12/19/2019

DATOS

	61	61
PROMEDIO	0,9951	193.967
DESV EST	0,0828	646
DESV EST %		0,0033
MAX	0,9933	192.924
MIN	0,9968	195.504

Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 1:45:00 PM	-99,65	-193.915,84
12/19/2019 1:46:00 PM	-99,65	-193.819,08
12/19/2019 1:47:00 PM	-99,65	-193.644,20
12/19/2019 1:48:00 PM	-99,54	-192.923,95
12/19/2019 1:49:00 PM	-99,68	-195.341,36
12/19/2019 1:50:00 PM	-99,58	-194.359,03
12/19/2019 1:51:00 PM	-99,60	-193.306,69
12/19/2019 1:52:00 PM	-99,55	-194.476,69
12/19/2019 1:53:00 PM	-99,60	-193.629,91
12/19/2019 1:54:00 PM	-99,56	-193.386,38
12/19/2019 1:55:00 PM	-99,51	-193.564,61
12/19/2019 1:56:00 PM	-99,57	-194.292,28
12/19/2019 1:57:00 PM	-99,67	-193.074,69
12/19/2019 1:58:00 PM	-99,57	-194.946,44
12/19/2019 1:59:00 PM	-99,57	-194.607,69
12/19/2019 2:00:00 PM	-99,52	-195.325,19
12/19/2019 2:01:00 PM	-99,54	-193.054,00
12/19/2019 2:02:00 PM	-99,57	-193.418,86
12/19/2019 2:03:00 PM	-99,50	-193.654,86
12/19/2019 2:04:00 PM	-99,59	-194.677,38
12/19/2019 2:05:00 PM	-99,42	-194.746,88
12/19/2019 2:06:00 PM	-99,50	-195.503,86
12/19/2019 2:07:00 PM	-99,59	-193.157,45
12/19/2019 2:08:00 PM	-99,48	-193.937,16
12/19/2019 2:09:00 PM	-99,45	-193.062,58
12/19/2019 2:10:00 PM	-99,48	-193.962,14
12/19/2019 2:11:00 PM	-99,43	-193.892,92
12/19/2019 2:12:00 PM	-99,54	-193.573,34
12/19/2019 2:13:00 PM	-99,40	-193.186,80
12/19/2019 2:14:00 PM	-99,50	-194.178,98
12/19/2019 2:15:00 PM	-99,53	-193.285,64
12/19/2019 2:16:00 PM	-99,57	-193.715,50
12/19/2019 2:17:00 PM	-99,52	-193.842,03
12/19/2019 2:18:00 PM	-99,59	-194.049,42
12/19/2019 2:19:00 PM	-99,63	-193.678,61

Neto TG\_307 CC

Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 2:20:00 PM	-99,58	-193.097,06
12/19/2019 2:21:00 PM	-99,48	-194.523,52
12/19/2019 2:22:00 PM	-99,47	-194.224,53
12/19/2019 2:23:00 PM	-99,46	-193.433,67
12/19/2019 2:24:00 PM	-99,47	-193.880,00
12/19/2019 2:25:00 PM	-99,51	-193.847,27
12/19/2019 2:26:00 PM	-99,53	-194.024,69
12/19/2019 2:27:00 PM	-99,54	-194.421,05
12/19/2019 2:28:00 PM	-99,42	-194.033,27
12/19/2019 2:29:00 PM	-99,46	-193.867,06
12/19/2019 2:30:00 PM	-99,52	-193.278,77
12/19/2019 2:31:00 PM	-99,47	-194.229,05
12/19/2019 2:32:00 PM	-99,46	-193.408,11
12/19/2019 2:33:00 PM	-99,40	-193.994,63
12/19/2019 2:34:00 PM	-99,35	-193.845,41
12/19/2019 2:35:00 PM	-99,39	-193.932,34
12/19/2019 2:36:00 PM	-99,41	-195.053,34
12/19/2019 2:37:00 PM	-99,45	-194.080,22
12/19/2019 2:38:00 PM	-99,51	-194.893,03
12/19/2019 2:39:00 PM	-99,49	-194.442,55
12/19/2019 2:40:00 PM	-99,33	-194.666,33
12/19/2019 2:41:00 PM	-99,35	-193.176,78
12/19/2019 2:42:00 PM	-99,40	-194.138,78
12/19/2019 2:43:00 PM	-99,46	-195.269,59
12/19/2019 2:44:00 PM	-99,37	-194.131,06
12/19/2019 2:45:00 PM	-99,57	-192.927,88



12/19/2019 12:14:00

PM 12/19/2019

DATOS

	61	61
PROMEDIO	0,9967	201.436
DESV EST	0,0545	741
DESV EST %		0,0037
MAX	0,9956	199.301
MIN	0,9979	202.837

Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 12:15:00 PM	-99,76	-200.876,06
12/19/2019 12:16:00 PM	-99,77	-200.864,89
12/19/2019 12:17:00 PM	-99,79	-200.849,44
12/19/2019 12:18:00 PM	-99,79	-200.417,27
12/19/2019 12:19:00 PM	-99,72	-199.301,17
12/19/2019 12:20:00 PM	-99,67	-201.121,44
12/19/2019 12:21:00 PM	-99,72	-200.254,33
12/19/2019 12:22:00 PM	-99,67	-200.693,13
12/19/2019 12:23:00 PM	-99,75	-200.812,92
12/19/2019 12:24:00 PM	-99,69	-201.060,81
12/19/2019 12:25:00 PM	-99,67	-200.939,80
12/19/2019 12:26:00 PM	-99,61	-200.911,30
12/19/2019 12:27:00 PM	-99,71	-201.264,31
12/19/2019 12:28:00 PM	-99,76	-201.732,69
12/19/2019 12:29:00 PM	-99,68	-201.422,41
12/19/2019 12:30:00 PM	-99,69	-201.476,53
12/19/2019 12:31:00 PM	-99,65	-200.608,30
12/19/2019 12:32:00 PM	-99,66	-201.797,13
12/19/2019 12:33:00 PM	-99,69	-201.997,83
12/19/2019 12:34:00 PM	-99,72	-200.669,95
12/19/2019 12:35:00 PM	-99,67	-201.931,75
12/19/2019 12:36:00 PM	-99,69	-201.206,72
12/19/2019 12:37:00 PM	-99,70	-201.467,22
12/19/2019 12:38:00 PM	-99,62	-202.195,31
12/19/2019 12:39:00 PM	-99,66	-201.642,28
12/19/2019 12:40:00 PM	-99,69	-201.049,33
12/19/2019 12:41:00 PM	-99,66	-201.805,50
12/19/2019 12:42:00 PM	-99,72	-199.309,67
12/19/2019 12:43:00 PM	-99,71	-202.234,33
12/19/2019 12:44:00 PM	-99,63	-202.525,98
12/19/2019 12:45:00 PM	-99,60	-201.768,94
12/19/2019 12:46:00 PM	-99,62	-202.138,03
12/19/2019 12:47:00 PM	-99,61	-201.805,22
12/19/2019 12:48:00 PM	-99,63	-201.636,20
12/19/2019 12:49:00 PM	-99,73	-201.612,63



Timestamp	NEH_Gx.SE_SLU_LO 1 Power Factor (%)	NEH_Gx.SE_SLU_LO 1 Real Power (kW)
12/19/2019 12:50:00 PM	-99,65	-202.816,19
12/19/2019 12:51:00 PM	-99,67	-201.900,72
12/19/2019 12:52:00 PM	-99,61	-201.096,28
12/19/2019 12:53:00 PM	-99,64	-202.646,36
12/19/2019 12:54:00 PM	-99,64	-202.836,55
12/19/2019 12:55:00 PM	-99,66	-200.973,73
12/19/2019 12:56:00 PM	-99,68	-202.451,27
12/19/2019 12:57:00 PM	-99,73	-201.123,13
12/19/2019 12:58:00 PM	-99,72	-202.152,47
12/19/2019 12:59:00 PM	-99,64	-201.746,13
12/19/2019 1:00:00 PM	-99,61	-201.331,98
12/19/2019 1:01:00 PM	-99,63	-201.660,86
12/19/2019 1:02:00 PM	-99,60	-201.347,06
12/19/2019 1:03:00 PM	-99,63	-201.722,80
12/19/2019 1:04:00 PM	-99,61	-202.724,44
12/19/2019 1:05:00 PM	-99,62	-201.205,34
12/19/2019 1:06:00 PM	-99,56	-202.497,97
12/19/2019 1:07:00 PM	-99,63	-201.338,77
12/19/2019 1:08:00 PM	-99,69	-200.170,41
12/19/2019 1:09:00 PM	-99,67	-201.709,16
12/19/2019 1:10:00 PM	-99,61	-201.418,78
12/19/2019 1:11:00 PM	-99,59	-202.125,70
12/19/2019 1:12:00 PM	-99,57	-201.345,16
12/19/2019 1:13:00 PM	-99,58	-201.422,22
12/19/2019 1:14:00 PM	-99,63	-201.515,11
12/19/2019 1:15:00 PM	-99,62	-200.942,30



12/19/2019 10:44:00

AM 12/19/2019

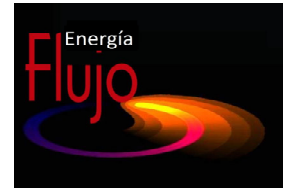
DATOS

	61	61
PROMEDIO	0,9992	203.309
DESV EST	0,0360	834
DESV EST %		0,0041
MAX	0,9980	201.571
MIN	0,9999	204.898

Timestamp	NEH_Gx.SE_SLU_LO 1 Power Factor (%)	NEH_Gx.SE_SLU_LO 1 Real Power (kW)
12/19/2019 10:45:00 AM	-99,93	-204.840,19
12/19/2019 10:46:00 AM	-99,95	-203.994,89
12/19/2019 10:47:00 AM	-99,95	-203.464,14
12/19/2019 10:48:00 AM	-99,94	-204.613,70
12/19/2019 10:49:00 AM	-99,91	-203.639,81
12/19/2019 10:50:00 AM	-99,91	-204.511,13
12/19/2019 10:51:00 AM	-99,90	-204.025,89
12/19/2019 10:52:00 AM	-99,91	-204.897,91
12/19/2019 10:53:00 AM	-99,93	-203.651,27
12/19/2019 10:54:00 AM	-99,92	-204.565,25
12/19/2019 10:55:00 AM	-99,94	-204.107,95
12/19/2019 10:56:00 AM	-99,94	-203.746,16
12/19/2019 10:57:00 AM	-99,93	-204.614,34
12/19/2019 10:58:00 AM	-99,90	-204.568,33
12/19/2019 10:59:00 AM	-99,99	-204.396,75
12/19/2019 11:00:00 AM	-99,93	-203.722,02
12/19/2019 11:01:00 AM	-99,92	-203.441,14
12/19/2019 11:02:00 AM	-99,94	-204.132,42
12/19/2019 11:03:00 AM	-99,95	-203.586,16
12/19/2019 11:04:00 AM	-99,94	-204.182,16
12/19/2019 11:05:00 AM	-99,92	-203.837,03
12/19/2019 11:06:00 AM	-99,95	-204.046,53
12/19/2019 11:07:00 AM	-99,97	-204.475,02
12/19/2019 11:08:00 AM	-99,93	-203.100,33
12/19/2019 11:09:00 AM	-99,94	-203.057,11
12/19/2019 11:10:00 AM	-99,92	-203.232,77
12/19/2019 11:11:00 AM	-99,95	-203.820,61
12/19/2019 11:12:00 AM	-99,95	-203.085,59
12/19/2019 11:13:00 AM	-99,95	-203.217,66
12/19/2019 11:14:00 AM	-99,98	-203.108,81
12/19/2019 11:15:00 AM	-99,97	-203.421,66
12/19/2019 11:16:00 AM	-99,94	-203.287,94
12/19/2019 11:17:00 AM	-99,92	-202.736,41
12/19/2019 11:18:00 AM	-99,92	-203.713,89
12/19/2019 11:19:00 AM	-99,93	-202.566,20



Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 11:20:00 AM	-99,94	-202.970,05
12/19/2019 11:21:00 AM	-99,93	-202.689,55
12/19/2019 11:22:00 AM	-99,91	-202.842,41
12/19/2019 11:23:00 AM	-99,93	-202.284,67
12/19/2019 11:24:00 AM	-99,92	-202.671,17
12/19/2019 11:25:00 AM	-99,93	-203.421,02
12/19/2019 11:26:00 AM	-99,96	-203.921,00
12/19/2019 11:27:00 AM	-99,95	-203.079,94
12/19/2019 11:28:00 AM	-99,95	-203.380,73
12/19/2019 11:29:00 AM	-99,95	-203.083,11
12/19/2019 11:30:00 AM	-99,95	-202.747,48
12/19/2019 11:31:00 AM	-99,85	-202.916,33
12/19/2019 11:32:00 AM	-99,86	-203.121,20
12/19/2019 11:33:00 AM	-99,88	-202.468,02
12/19/2019 11:34:00 AM	-99,90	-202.365,09
12/19/2019 11:35:00 AM	-99,87	-202.351,95
12/19/2019 11:36:00 AM	-99,92	-202.614,13
12/19/2019 11:37:00 AM	-99,93	-201.990,41
12/19/2019 11:38:00 AM	-99,92	-202.615,38
12/19/2019 11:39:00 AM	-99,91	-201.810,63
12/19/2019 11:40:00 AM	-99,89	-202.049,66
12/19/2019 11:41:00 AM	-99,83	-202.262,31
12/19/2019 11:42:00 AM	-99,80	-203.376,47
12/19/2019 11:43:00 AM	-99,86	-201.856,63
12/19/2019 11:44:00 AM	-99,83	-201.571,25
12/19/2019 11:45:00 AM	-99,88	-201.997,14



12/19/2019 8:59:00

AM 12/19/2019

DATOS

	61	61
PROMEDIO	0,9990	205.373
DESV EST	0,0472	1.151
DESV EST %		0,0056
MAX	0,9976	203.237
MIN	0,9997	207.662

Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 9:00:00 AM	-99,83	-207.140,09
12/19/2019 9:01:00 AM	-99,83	-207.169,61
12/19/2019 9:02:00 AM	-99,88	-207.457,86
12/19/2019 9:03:00 AM	-99,91	-207.662,06
12/19/2019 9:04:00 AM	-99,92	-206.630,28
12/19/2019 9:05:00 AM	-99,92	-205.994,95
12/19/2019 9:06:00 AM	-99,89	-206.335,23
12/19/2019 9:07:00 AM	-99,89	-206.317,19
12/19/2019 9:08:00 AM	-99,91	-206.175,52
12/19/2019 9:09:00 AM	-99,91	-205.608,72
12/19/2019 9:10:00 AM	-99,81	-206.983,72
12/19/2019 9:11:00 AM	-99,83	-206.151,44
12/19/2019 9:12:00 AM	-99,84	-206.413,02
12/19/2019 9:13:00 AM	-99,84	-206.240,14
12/19/2019 9:14:00 AM	-99,87	-207.052,98
12/19/2019 9:15:00 AM	-99,87	-205.684,23
12/19/2019 9:16:00 AM	-99,85	-206.062,11
12/19/2019 9:17:00 AM	-99,88	-206.143,89
12/19/2019 9:18:00 AM	-99,81	-205.519,39
12/19/2019 9:19:00 AM	-99,88	-206.458,16
12/19/2019 9:20:00 AM	-99,84	-206.092,50
12/19/2019 9:21:00 AM	-99,80	-205.661,91
12/19/2019 9:22:00 AM	-99,83	-205.998,80
12/19/2019 9:23:00 AM	-99,78	-206.538,70
12/19/2019 9:24:00 AM	-99,76	-206.270,41
12/19/2019 9:25:00 AM	-99,91	-205.946,88
12/19/2019 9:26:00 AM	-99,92	-206.588,80
12/19/2019 9:27:00 AM	-99,91	-205.860,42
12/19/2019 9:28:00 AM	-99,94	-205.739,55
12/19/2019 9:29:00 AM	-99,92	-205.998,61
12/19/2019 9:30:00 AM	-99,92	-206.236,53
12/19/2019 9:31:00 AM	-99,92	-205.774,83
12/19/2019 9:32:00 AM	-99,94	-205.115,70
12/19/2019 9:33:00 AM	-99,94	-205.304,64
12/19/2019 9:34:00 AM	-99,91	-205.473,41



Timestamp	NEH_Gx.SE_SLU_L0 1 Power Factor (%)	NEH_Gx.SE_SLU_L0 1 Real Power (kW)
12/19/2019 9:35:00 AM	-99,96	-205.479,13
12/19/2019 9:36:00 AM	-99,93	-204.216,09
12/19/2019 9:37:00 AM	-99,94	-205.296,34
12/19/2019 9:38:00 AM	-99,93	-204.268,06
12/19/2019 9:39:00 AM	-99,92	-205.477,34
12/19/2019 9:40:00 AM	-99,94	-204.361,75
12/19/2019 9:41:00 AM	-99,93	-204.330,94
12/19/2019 9:42:00 AM	-99,93	-203.888,72
12/19/2019 9:43:00 AM	-99,92	-204.365,39
12/19/2019 9:44:00 AM	-99,93	-204.455,89
12/19/2019 9:45:00 AM	-99,93	-203.960,59
12/19/2019 9:46:00 AM	-99,97	-204.316,11
12/19/2019 9:47:00 AM	-99,95	-204.421,66
12/19/2019 9:48:00 AM	-99,95	-204.076,39
12/19/2019 9:49:00 AM	-99,94	-204.160,19
12/19/2019 9:50:00 AM	-99,93	-204.204,00
12/19/2019 9:51:00 AM	-99,91	-203.796,80
12/19/2019 9:52:00 AM	-99,90	-203.650,70
12/19/2019 9:53:00 AM	-99,92	-204.719,22
12/19/2019 9:54:00 AM	-99,91	-204.118,94
12/19/2019 9:55:00 AM	-99,91	-204.280,28
12/19/2019 9:56:00 AM	-99,90	-203.526,25
12/19/2019 9:57:00 AM	-99,90	-203.253,05
12/19/2019 9:58:00 AM	-99,90	-204.272,31
12/19/2019 9:59:00 AM	-99,95	-203.236,72
12/19/2019 10:00:00 AM	-99,97	-203.793,67



12/19/2019 7:44:00

PM 12/19/2019

DATOS

	61	61
PROMEDIO	0,9886	91.186
DESV EST	0,1340	276
DESV EST %		0,0030
MAX	0,9860	90.316
MIN	0,9917	91.737

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 7:45:00 PM	-98,75	-91.038,21
12/19/2019 7:46:00 PM	-99,10	-91.106,98
12/19/2019 7:47:00 PM	-98,93	-90.923,63
12/19/2019 7:48:00 PM	-98,96	-91.328,17
12/19/2019 7:49:00 PM	-98,85	-91.098,55
12/19/2019 7:50:00 PM	-98,77	-91.367,34
12/19/2019 7:51:00 PM	-98,82	-91.543,63
12/19/2019 7:52:00 PM	-99,01	-91.166,43
12/19/2019 7:53:00 PM	-98,95	-91.304,76
12/19/2019 7:54:00 PM	-98,84	-91.326,83
12/19/2019 7:55:00 PM	-98,82	-91.500,66
12/19/2019 7:56:00 PM	-98,80	-91.574,04
12/19/2019 7:57:00 PM	-98,69	-91.180,27
12/19/2019 7:58:00 PM	-98,75	-91.454,40
12/19/2019 7:59:00 PM	-98,76	-91.213,63
12/19/2019 8:00:00 PM	-98,69	-91.736,73
12/19/2019 8:01:00 PM	-98,65	-91.412,17
12/19/2019 8:02:00 PM	-98,74	-91.069,92
12/19/2019 8:03:00 PM	-99,00	-90.937,67
12/19/2019 8:04:00 PM	-98,72	-91.233,44
12/19/2019 8:05:00 PM	-98,77	-91.305,13
12/19/2019 8:06:00 PM	-98,72	-91.066,76
12/19/2019 8:07:00 PM	-98,85	-91.251,08
12/19/2019 8:08:00 PM	-98,83	-91.137,98
12/19/2019 8:09:00 PM	-98,73	-91.442,24
12/19/2019 8:10:00 PM	-98,67	-91.490,13
12/19/2019 8:11:00 PM	-98,92	-90.315,51
12/19/2019 8:12:00 PM	-98,95	-91.516,45
12/19/2019 8:13:00 PM	-98,81	-91.406,32
12/19/2019 8:14:00 PM	-98,81	-91.408,27
12/19/2019 8:15:00 PM	-98,96	-91.288,21
12/19/2019 8:16:00 PM	-98,88	-91.057,64
12/19/2019 8:17:00 PM	-98,80	-91.280,06
12/19/2019 8:18:00 PM	-98,80	-90.967,90
12/19/2019 8:19:00 PM	-99,08	-90.923,46



Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 8:20:00 PM	-98,91	-91.705,41
12/19/2019 8:21:00 PM	-98,87	-91.319,38
12/19/2019 8:22:00 PM	-98,92	-90.675,71
12/19/2019 8:23:00 PM	-99,02	-91.189,16
12/19/2019 8:24:00 PM	-98,90	-91.318,23
12/19/2019 8:25:00 PM	-98,97	-90.689,06
12/19/2019 8:26:00 PM	-99,00	-90.889,16
12/19/2019 8:27:00 PM	-98,84	-91.450,66
12/19/2019 8:28:00 PM	-98,83	-91.231,70
12/19/2019 8:29:00 PM	-98,95	-90.799,44
12/19/2019 8:30:00 PM	-99,06	-91.413,74
12/19/2019 8:31:00 PM	-99,17	-90.713,84
12/19/2019 8:32:00 PM	-99,17	-90.715,30
12/19/2019 8:33:00 PM	-99,14	-90.789,44
12/19/2019 8:34:00 PM	-98,95	-90.974,09
12/19/2019 8:35:00 PM	-98,86	-91.117,10
12/19/2019 8:36:00 PM	-98,95	-91.369,10
12/19/2019 8:37:00 PM	-98,87	-90.968,80
12/19/2019 8:38:00 PM	-98,97	-91.119,46
12/19/2019 8:39:00 PM	-98,82	-91.007,21
12/19/2019 8:40:00 PM	-98,71	-91.391,75
12/19/2019 8:41:00 PM	-98,60	-91.417,38
12/19/2019 8:42:00 PM	-98,60	-91.258,69
12/19/2019 8:43:00 PM	-98,76	-90.854,90
12/19/2019 8:44:00 PM	-98,73	-91.180,70
12/19/2019 8:45:00 PM	-98,96	-91.405,14



12/19/2019 6:14:00

PM 12/19/2019

DATOS 61 61

PROMEDIO 0,9953 93.822

DESV EST 0,3557 386

DESV EST % 0,0041

MAX 0,9820 92.710

MIN 0,9988 94.596

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 6:15:00 PM	-99,56	-93.998,79
12/19/2019 6:16:00 PM	-99,48	-94.258,96
12/19/2019 6:17:00 PM	-99,47	-93.815,78
12/19/2019 6:18:00 PM	-99,64	-93.873,24
12/19/2019 6:19:00 PM	-99,63	-94.049,01
12/19/2019 6:20:00 PM	-99,80	-93.809,15
12/19/2019 6:21:00 PM	-99,81	-93.624,26
12/19/2019 6:22:00 PM	-99,69	-94.274,59
12/19/2019 6:23:00 PM	-99,75	-94.477,70
12/19/2019 6:24:00 PM	-99,66	-93.859,90
12/19/2019 6:25:00 PM	-99,72	-93.790,60
12/19/2019 6:26:00 PM	-99,55	-94.595,99
12/19/2019 6:27:00 PM	-99,59	-93.986,06
12/19/2019 6:28:00 PM	-99,64	-94.263,33
12/19/2019 6:29:00 PM	-99,64	-93.979,23
12/19/2019 6:30:00 PM	-99,66	-93.418,90
12/19/2019 6:31:00 PM	-99,63	-94.072,55
12/19/2019 6:32:00 PM	-99,72	-94.219,96
12/19/2019 6:33:00 PM	-99,74	-93.942,93
12/19/2019 6:34:00 PM	-99,72	-94.230,13
12/19/2019 6:35:00 PM	-99,81	-94.137,07
12/19/2019 6:36:00 PM	-99,70	-94.106,60
12/19/2019 6:37:00 PM	-99,71	-93.959,34
12/19/2019 6:38:00 PM	-99,58	-94.263,50
12/19/2019 6:39:00 PM	-99,70	-94.052,80
12/19/2019 6:40:00 PM	-99,72	-93.916,37
12/19/2019 6:41:00 PM	-99,70	-94.075,73
12/19/2019 6:42:00 PM	-99,61	-94.021,85
12/19/2019 6:43:00 PM	-99,72	-94.025,55
12/19/2019 6:44:00 PM	-99,84	-94.336,32
12/19/2019 6:45:00 PM	-99,76	-94.354,48
12/19/2019 6:46:00 PM	-99,77	-94.321,80
12/19/2019 6:47:00 PM	-99,78	-94.082,66
12/19/2019 6:48:00 PM	-99,81	-93.929,99
12/19/2019 6:49:00 PM	-99,82	-93.565,33





Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 6:50:00 PM	-99,88	-93.175,80
12/19/2019 6:51:00 PM	-99,40	-93.323,51
12/19/2019 6:52:00 PM	-99,44	-93.360,40
12/19/2019 6:53:00 PM	-99,44	-93.516,20
12/19/2019 6:54:00 PM	-99,50	-93.338,15
12/19/2019 6:55:00 PM	-99,32	-93.373,23
12/19/2019 6:56:00 PM	-99,50	-92.710,45
12/19/2019 6:57:00 PM	-99,50	-93.223,37
12/19/2019 6:58:00 PM	-99,46	-93.395,27
12/19/2019 6:59:00 PM	-99,45	-93.284,07
12/19/2019 7:00:00 PM	-99,38	-93.452,66
12/19/2019 7:01:00 PM	-99,66	-93.565,25
12/19/2019 7:02:00 PM	-99,52	-93.232,94
12/19/2019 7:03:00 PM	-99,52	-93.444,69
12/19/2019 7:04:00 PM	-99,67	-93.456,80
12/19/2019 7:05:00 PM	-99,70	-93.565,27
12/19/2019 7:06:00 PM	-99,66	-93.677,63
12/19/2019 7:07:00 PM	-99,67	-94.113,91
12/19/2019 7:08:00 PM	-99,09	-93.572,01
12/19/2019 7:09:00 PM	-99,16	-93.584,94
12/19/2019 7:10:00 PM	-99,44	-93.728,48
12/19/2019 7:11:00 PM	-99,08	-94.081,80
12/19/2019 7:12:00 PM	-98,42	-94.262,09
12/19/2019 7:13:00 PM	-98,37	-93.456,04
12/19/2019 7:14:00 PM	-98,45	-93.663,34
12/19/2019 7:15:00 PM	-98,20	-93.912,92



12/19/2019 4:44:00

PM 12/19/2019

DATOS

	61	61
PROMEDIO	0,9943	96.743
DESV EST	0,2011	341
DESV EST %		0,0035
MAX	0,9896	95.729
MIN	0,9976	97.718

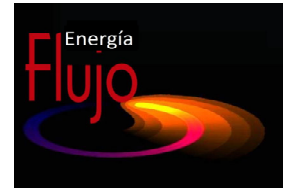
Timestamp	NEH_Gx.SE_SLU_LO 2 Power Factor (%)	NEH_Gx.SE_SLU_LO 2 Real Power (kW)
12/19/2019 4:45:00 PM	-98,96	-96.496,78
12/19/2019 4:46:00 PM	-99,03	-96.902,95
12/19/2019 4:47:00 PM	-99,05	-96.692,84
12/19/2019 4:48:00 PM	-99,00	-96.521,33
12/19/2019 4:49:00 PM	-99,12	-96.395,37
12/19/2019 4:50:00 PM	-99,02	-97.341,62
12/19/2019 4:51:00 PM	-99,10	-95.729,14
12/19/2019 4:52:00 PM	-99,18	-96.591,68
12/19/2019 4:53:00 PM	-99,17	-96.602,17
12/19/2019 4:54:00 PM	-99,23	-96.252,91
12/19/2019 4:55:00 PM	-99,16	-96.159,25
12/19/2019 4:56:00 PM	-99,12	-96.824,93
12/19/2019 4:57:00 PM	-99,02	-96.297,54
12/19/2019 4:58:00 PM	-99,26	-96.602,30
12/19/2019 4:59:00 PM	-99,26	-96.351,09
12/19/2019 5:00:00 PM	-99,40	-96.921,59
12/19/2019 5:01:00 PM	-99,44	-96.761,12
12/19/2019 5:02:00 PM	-99,43	-96.841,59
12/19/2019 5:03:00 PM	-99,50	-96.965,41
12/19/2019 5:04:00 PM	-99,44	-97.019,58
12/19/2019 5:05:00 PM	-99,51	-96.711,15
12/19/2019 5:06:00 PM	-99,59	-96.844,97
12/19/2019 5:07:00 PM	-99,63	-96.941,67
12/19/2019 5:08:00 PM	-99,57	-96.401,26
12/19/2019 5:09:00 PM	-99,57	-96.894,86
12/19/2019 5:10:00 PM	-99,50	-96.727,23
12/19/2019 5:11:00 PM	-99,60	-96.939,48
12/19/2019 5:12:00 PM	-99,61	-96.645,88
12/19/2019 5:13:00 PM	-99,64	-96.632,83
12/19/2019 5:14:00 PM	-99,53	-97.389,96
12/19/2019 5:15:00 PM	-99,51	-96.698,19
12/19/2019 5:16:00 PM	-99,49	-96.865,49
12/19/2019 5:17:00 PM	-99,35	-96.760,55
12/19/2019 5:18:00 PM	-99,39	-96.692,37
12/19/2019 5:19:00 PM	-99,52	-96.910,75



Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 5:20:00 PM	-99,45	-97.717,77
12/19/2019 5:21:00 PM	-99,53	-97.060,13
12/19/2019 5:22:00 PM	-99,59	-96.577,87
12/19/2019 5:23:00 PM	-99,60	-96.798,77
12/19/2019 5:24:00 PM	-99,55	-96.446,86
12/19/2019 5:25:00 PM	-99,43	-97.138,55
12/19/2019 5:26:00 PM	-99,44	-96.615,90
12/19/2019 5:27:00 PM	-99,46	-97.154,93
12/19/2019 5:28:00 PM	-99,57	-97.151,87
12/19/2019 5:29:00 PM	-99,50	-97.005,45
12/19/2019 5:30:00 PM	-99,46	-96.960,22
12/19/2019 5:31:00 PM	-99,47	-96.729,73
12/19/2019 5:32:00 PM	-99,49	-96.353,82
12/19/2019 5:33:00 PM	-99,64	-96.333,02
12/19/2019 5:34:00 PM	-99,61	-96.570,12
12/19/2019 5:35:00 PM	-99,61	-96.503,70
12/19/2019 5:36:00 PM	-99,62	-96.733,16
12/19/2019 5:37:00 PM	-99,76	-96.347,52
12/19/2019 5:38:00 PM	-99,65	-96.688,48
12/19/2019 5:39:00 PM	-99,60	-97.077,66
12/19/2019 5:40:00 PM	-99,58	-97.283,12
12/19/2019 5:41:00 PM	-99,43	-97.424,02
12/19/2019 5:42:00 PM	-99,53	-96.359,80
12/19/2019 5:43:00 PM	-99,51	-96.524,68
12/19/2019 5:44:00 PM	-99,56	-96.599,32
12/19/2019 5:45:00 PM	-99,59	-96.862,85



Potencia  
San Luis  
J4



12/19/2019 3:14:00 PM - 12/19/2019 3:45:00 PM (Sample Size)

DATOS	61	61
PROMEDIO	0,9918	98.833
DESV EST	0,1093	490
DESV EST %		0,0050
MAX	0,9890	97.826
MIN	0,9944	99.775

Timestamp	NEH_Gx.SE_SLU_L02 Power Factor A (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 3:15:00 PM	-99,18	-98.281,85
12/19/2019 3:16:00 PM	-99,15	-98.544,77
12/19/2019 3:17:00 PM	-99,32	-99.164,86
12/19/2019 3:18:00 PM	-99,35	-99.252,73
12/19/2019 3:19:00 PM	-99,29	-98.183,80
12/19/2019 3:20:00 PM	-99,24	-98.477,66
12/19/2019 3:21:00 PM	-99,12	-98.635,45
12/19/2019 3:22:00 PM	-99,18	-99.465,65
12/19/2019 3:23:00 PM	-99,07	-98.934,00
12/19/2019 3:24:00 PM	-99,25	-99.311,54
12/19/2019 3:25:00 PM	-99,23	-98.981,36
12/19/2019 3:26:00 PM	-99,34	-98.647,00
12/19/2019 3:27:00 PM	-99,09	-98.190,55
12/19/2019 3:28:00 PM	-99,19	-99.737,85
12/19/2019 3:29:00 PM	-99,25	-98.257,16
12/19/2019 3:30:00 PM	-99,09	-99.636,79
12/19/2019 3:31:00 PM	-99,08	-98.720,45
12/19/2019 3:32:00 PM	-99,15	-99.158,05
12/19/2019 3:33:00 PM	-99,17	-98.599,77
12/19/2019 3:34:00 PM	-99,35	-99.095,41
12/19/2019 3:35:00 PM	-99,35	-98.437,26
12/19/2019 3:36:00 PM	-99,07	-98.620,68
12/19/2019 3:37:00 PM	-99,01	-98.453,59
12/19/2019 3:38:00 PM	-99,02	-99.030,64
12/19/2019 3:39:00 PM	-99,20	-99.071,50
12/19/2019 3:40:00 PM	-99,18	-98.327,36
12/19/2019 3:41:00 PM	-99,16	-98.790,75
12/19/2019 3:42:00 PM	-99,18	-97.996,05
12/19/2019 3:43:00 PM	-99,29	-99.753,64
12/19/2019 3:44:00 PM	-99,08	-98.853,64
12/19/2019 3:45:00 PM	-99,26	-99.082,77
12/19/2019 3:46:00 PM	-99,27	-98.200,43
12/19/2019 3:47:00 PM	-99,32	-98.676,91
12/19/2019 3:48:00 PM	-99,35	-99.472,73
12/19/2019 3:49:00 PM	-99,30	-98.442,65



Timestamp	NEH_Gx.SE_SLU_L02 Power Factor A (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 3:50:00 PM	-99,17	-99.189,41
12/19/2019 3:51:00 PM	-99,00	-98.297,11
12/19/2019 3:52:00 PM	-99,08	-98.641,49
12/19/2019 3:53:00 PM	-99,23	-98.584,59
12/19/2019 3:54:00 PM	-99,18	-97.825,70
12/19/2019 3:55:00 PM	-98,90	-98.196,02
12/19/2019 3:56:00 PM	-99,30	-99.376,35
12/19/2019 3:57:00 PM	-99,17	-98.165,72
12/19/2019 3:58:00 PM	-99,44	-98.013,09
12/19/2019 3:59:00 PM	-99,25	-98.273,85
12/19/2019 4:00:00 PM	-99,07	-98.720,39
12/19/2019 4:01:00 PM	-99,19	-98.972,98
12/19/2019 4:02:00 PM	-99,14	-99.356,88
12/19/2019 4:03:00 PM	-99,18	-99.146,48
12/19/2019 4:04:00 PM	-99,14	-99.370,42
12/19/2019 4:05:00 PM	-99,08	-98.825,96
12/19/2019 4:06:00 PM	-99,03	-99.032,67
12/19/2019 4:07:00 PM	-99,26	-99.279,76
12/19/2019 4:08:00 PM	-99,11	-98.877,88
12/19/2019 4:09:00 PM	-99,09	-98.737,50
12/19/2019 4:10:00 PM	-99,11	-99.128,28
12/19/2019 4:11:00 PM	-99,20	-99.774,75
12/19/2019 4:12:00 PM	-98,98	-98.480,27
12/19/2019 4:13:00 PM	-99,16	-99.554,24
12/19/2019 4:14:00 PM	-99,33	-99.487,16
12/19/2019 4:15:00 PM	-99,11	-99.039,30



# Potencia San Luis J4

12/19/2019 1:44:00 PM - 12/19/2019 2:45:00

DATOS	61	61
PROMEDIO	0,9946	104.290
DESV EST	0,0011	491
DESV EST %		0,0047
MAX	0,9970	103.104
MIN	0,9919	105.173

Timestamp	NEH_Gx.SE_SLU_L02 Power Factor A (%)	NEH_Gx.SE_SLU_L02 Real Power (kW)
12/19/2019 1:45:00 PM	0,995808945	-103.495,27
12/19/2019 1:46:00 PM	0,996090851	-103.700,34
12/19/2019 1:47:00 PM	0,9969133	-104.046,05
12/19/2019 1:48:00 PM	0,994934616	-103.400,74
12/19/2019 1:49:00 PM	0,997017593	-104.939,72
12/19/2019 1:50:00 PM	0,99606575	-104.758,47
12/19/2019 1:51:00 PM	0,995384598	-103.709,64
12/19/2019 1:52:00 PM	0,994404755	-103.791,38
12/19/2019 1:53:00 PM	0,995995102	-103.922,48
12/19/2019 1:54:00 PM	0,995019379	-103.484,13
12/19/2019 1:55:00 PM	0,994567566	-104.115,97
12/19/2019 1:56:00 PM	0,995458527	-104.210,51
12/19/2019 1:57:00 PM	0,996700211	-103.979,84
12/19/2019 1:58:00 PM	0,995045547	-103.760,85
12/19/2019 1:59:00 PM	0,995081558	-104.197,34
12/19/2019 2:00:00 PM	0,994782486	-104.749,35
12/19/2019 2:01:00 PM	0,994607315	-103.976,86
12/19/2019 2:02:00 PM	0,995205612	-104.016,70
12/19/2019 2:03:00 PM	0,99443924	-104.291,95
12/19/2019 2:04:00 PM	0,995492859	-104.483,77
12/19/2019 2:05:00 PM	0,99305542	-104.836,07
12/19/2019 2:06:00 PM	0,994395294	-104.664,76
12/19/2019 2:07:00 PM	0,995372086	-103.489,65
12/19/2019 2:08:00 PM	0,994424133	-104.769,57
12/19/2019 2:09:00 PM	0,994012527	-104.096,39
12/19/2019 2:10:00 PM	0,994626694	-104.706,46
12/19/2019 2:11:00 PM	0,994209976	-105.047,78
12/19/2019 2:12:00 PM	0,993763351	-103.104,30
12/19/2019 2:13:00 PM	0,993922119	-104.655,05
12/19/2019 2:14:00 PM	0,994386215	-104.696,55
12/19/2019 2:15:00 PM	0,994944611	-104.134,23
12/19/2019 2:16:00 PM	0,995511703	-104.388,46
12/19/2019 2:17:00 PM	0,995311966	-105.129,23
12/19/2019 2:18:00 PM	0,995601578	-104.446,61
12/19/2019 2:19:00 PM	0,996338654	-104.478,42



Timestamp	NEH_Gx.SE_SLU_L02 Power Factor A (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 2:20:00 PM	0,995558472	-104.277,49
12/19/2019 2:21:00 PM	0,994464264	-104.930,19
12/19/2019 2:22:00 PM	0,994172211	-105.173,29
12/19/2019 2:23:00 PM	0,993822861	-104.258,88
12/19/2019 2:24:00 PM	0,994208755	-104.510,40
12/19/2019 2:25:00 PM	0,994885254	-104.877,75
12/19/2019 2:26:00 PM	0,994806137	-104.227,55
12/19/2019 2:27:00 PM	0,994812241	-104.252,67
12/19/2019 2:28:00 PM	0,993609085	-104.780,43
12/19/2019 2:29:00 PM	0,994204712	-104.580,27
12/19/2019 2:30:00 PM	0,994928818	-104.423,35
12/19/2019 2:31:00 PM	0,994226761	-104.636,63
12/19/2019 2:32:00 PM	0,994093781	-104.266,86
12/19/2019 2:33:00 PM	0,994098282	-104.935,53
12/19/2019 2:34:00 PM	0,992591095	-104.211,05
12/19/2019 2:35:00 PM	0,993524017	-104.408,64
12/19/2019 2:36:00 PM	0,993301392	-104.742,58
12/19/2019 2:37:00 PM	0,993789825	-103.998,00
12/19/2019 2:38:00 PM	0,9952211	-105.055,41
12/19/2019 2:39:00 PM	0,994145126	-103.890,48
12/19/2019 2:40:00 PM	0,992056808	-104.392,43
12/19/2019 2:41:00 PM	0,991947937	-103.601,45
12/19/2019 2:42:00 PM	0,993120499	-104.268,99
12/19/2019 2:43:00 PM	0,993814087	-104.046,36
12/19/2019 2:44:00 PM	0,992471771	-103.993,25
12/19/2019 2:45:00 PM	0,995490189	-103.279,73



12/19/2019 12:14:00

DATOS	61	61
PROMEDIO	0,9959	108.201
DESV EST	0,0789	573
DESV EST %		0,0053
MAX	0,9945	106.869
MIN	0,9980	109.271

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 12:15:00 PM	-99,73	-109.264,33
12/19/2019 12:16:00 PM	-99,72	-108.658,97
12/19/2019 12:17:00 PM	-99,80	-109.270,84
12/19/2019 12:18:00 PM	-99,77	-108.583,38
12/19/2019 12:19:00 PM	-99,67	-108.072,53
12/19/2019 12:20:00 PM	-99,60	-109.060,22
12/19/2019 12:21:00 PM	-99,64	-107.772,09
12/19/2019 12:22:00 PM	-99,61	-108.865,11
12/19/2019 12:23:00 PM	-99,73	-108.942,48
12/19/2019 12:24:00 PM	-99,60	-108.395,83
12/19/2019 12:25:00 PM	-99,65	-108.998,48
12/19/2019 12:26:00 PM	-99,51	-108.454,10
12/19/2019 12:27:00 PM	-99,67	-108.680,65
12/19/2019 12:28:00 PM	-99,73	-109.011,24
12/19/2019 12:29:00 PM	-99,62	-108.644,07
12/19/2019 12:30:00 PM	-99,61	-108.491,80
12/19/2019 12:31:00 PM	-99,50	-108.222,28
12/19/2019 12:32:00 PM	-99,59	-108.750,67
12/19/2019 12:33:00 PM	-99,65	-109.103,87
12/19/2019 12:34:00 PM	-99,65	-107.978,80
12/19/2019 12:35:00 PM	-99,60	-108.797,05
12/19/2019 12:36:00 PM	-99,60	-107.848,76
12/19/2019 12:37:00 PM	-99,60	-108.336,81
12/19/2019 12:38:00 PM	-99,49	-108.549,48
12/19/2019 12:39:00 PM	-99,62	-108.569,63
12/19/2019 12:40:00 PM	-99,67	-108.196,41
12/19/2019 12:41:00 PM	-99,57	-108.277,99
12/19/2019 12:42:00 PM	-99,65	-106.869,27
12/19/2019 12:43:00 PM	-99,62	-107.950,83
12/19/2019 12:44:00 PM	-99,57	-108.882,16
12/19/2019 12:45:00 PM	-99,51	-108.273,53
12/19/2019 12:46:00 PM	-99,56	-108.339,26
12/19/2019 12:47:00 PM	-99,54	-108.091,09
12/19/2019 12:48:00 PM	-99,51	-107.654,06
12/19/2019 12:49:00 PM	-99,70	-107.772,12





Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 12:50:00 PM	-99,59	-108.438,02
12/19/2019 12:51:00 PM	-99,55	-107.251,20
12/19/2019 12:52:00 PM	-99,54	-107.692,16
12/19/2019 12:53:00 PM	-99,60	-108.548,46
12/19/2019 12:54:00 PM	-99,50	-107.686,50
12/19/2019 12:55:00 PM	-99,57	-107.022,70
12/19/2019 12:56:00 PM	-99,64	-108.147,91
12/19/2019 12:57:00 PM	-99,67	-107.326,34
12/19/2019 12:58:00 PM	-99,66	-107.903,67
12/19/2019 12:59:00 PM	-99,55	-107.695,88
12/19/2019 1:00:00 PM	-99,50	-107.635,39
12/19/2019 1:01:00 PM	-99,53	-107.476,10
12/19/2019 1:02:00 PM	-99,52	-107.631,16
12/19/2019 1:03:00 PM	-99,53	-107.573,41
12/19/2019 1:04:00 PM	-99,48	-107.790,16
12/19/2019 1:05:00 PM	-99,54	-107.572,02
12/19/2019 1:06:00 PM	-99,48	-108.747,34
12/19/2019 1:07:00 PM	-99,56	-108.091,49
12/19/2019 1:08:00 PM	-99,61	-107.187,82
12/19/2019 1:09:00 PM	-99,60	-108.378,03
12/19/2019 1:10:00 PM	-99,54	-108.452,50
12/19/2019 1:11:00 PM	-99,51	-108.834,72
12/19/2019 1:12:00 PM	-99,45	-107.831,73
12/19/2019 1:13:00 PM	-99,46	-107.941,34
12/19/2019 1:14:00 PM	-99,54	-108.065,82
12/19/2019 1:15:00 PM	-99,56	-107.738,21



12/19/2019 10:44:00

DATOS	61	61
PROMEDIO	0,9991	108.902
DESV EST	0,0405	398
DESV EST %		0,0037
MAX	0,9980	107.929
MIN	0,9998	109.774

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor C (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 10:45:00 AM	-99,92	-109.221,62
12/19/2019 10:46:00 AM	-99,94	-108.545,01
12/19/2019 10:47:00 AM	-99,94	-108.481,96
12/19/2019 10:48:00 AM	-99,94	-109.397,73
12/19/2019 10:49:00 AM	-99,90	-108.965,97
12/19/2019 10:50:00 AM	-99,90	-109.237,63
12/19/2019 10:51:00 AM	-99,90	-109.138,30
12/19/2019 10:52:00 AM	-99,89	-109.393,73
12/19/2019 10:53:00 AM	-99,93	-108.712,17
12/19/2019 10:54:00 AM	-99,91	-109.632,18
12/19/2019 10:55:00 AM	-99,91	-108.693,45
12/19/2019 10:56:00 AM	-99,92	-108.452,61
12/19/2019 10:57:00 AM	-99,90	-108.860,61
12/19/2019 10:58:00 AM	-99,89	-109.553,78
12/19/2019 10:59:00 AM	-99,98	-109.189,06
12/19/2019 11:00:00 AM	-99,92	-108.484,78
12/19/2019 11:01:00 AM	-99,92	-108.814,21
12/19/2019 11:02:00 AM	-99,95	-109.261,03
12/19/2019 11:03:00 AM	-99,95	-109.027,32
12/19/2019 11:04:00 AM	-99,93	-109.165,43
12/19/2019 11:05:00 AM	-99,89	-108.805,43
12/19/2019 11:06:00 AM	-99,96	-109.430,69
12/19/2019 11:07:00 AM	-99,96	-109.269,27
12/19/2019 11:08:00 AM	-99,93	-108.980,59
12/19/2019 11:09:00 AM	-99,94	-108.692,93
12/19/2019 11:10:00 AM	-99,92	-109.118,25
12/19/2019 11:11:00 AM	-99,94	-109.039,60
12/19/2019 11:12:00 AM	-99,96	-109.293,79
12/19/2019 11:13:00 AM	-99,94	-108.510,02
12/19/2019 11:14:00 AM	-99,98	-108.730,69
12/19/2019 11:15:00 AM	-99,96	-108.668,52
12/19/2019 11:16:00 AM	-99,93	-108.612,13
12/19/2019 11:17:00 AM	-99,91	-108.904,25
12/19/2019 11:18:00 AM	-99,92	-109.536,23
12/19/2019 11:19:00 AM	-99,92	-108.077,10

Neto TV\_324 CC

DATOS	61	61
PROMEDIO	0,9991	108.902
DESV EST	0,0405	398
DESV EST %		0,0037
MAX	0,9980	107.929
MIN	0,9998	109.774

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor C (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 11:20:00 AM	-99,93	-108.431,69
12/19/2019 11:21:00 AM	-99,90	-108.293,84
12/19/2019 11:22:00 AM	-99,89	-108.543,69
12/19/2019 11:23:00 AM	-99,91	-107.929,25
12/19/2019 11:24:00 AM	-99,92	-108.732,66
12/19/2019 11:25:00 AM	-99,94	-109.213,43
12/19/2019 11:26:00 AM	-99,95	-108.786,74
12/19/2019 11:27:00 AM	-99,93	-108.645,19
12/19/2019 11:28:00 AM	-99,95	-109.342,65
12/19/2019 11:29:00 AM	-99,96	-109.180,59
12/19/2019 11:30:00 AM	-99,95	-108.987,34
12/19/2019 11:31:00 AM	-99,83	-109.199,24
12/19/2019 11:32:00 AM	-99,87	-109.390,36
12/19/2019 11:33:00 AM	-99,88	-109.110,23
12/19/2019 11:34:00 AM	-99,89	-108.646,61
12/19/2019 11:35:00 AM	-99,84	-108.531,29
12/19/2019 11:36:00 AM	-99,92	-109.118,09
12/19/2019 11:37:00 AM	-99,92	-108.319,27
12/19/2019 11:38:00 AM	-99,90	-108.627,54
12/19/2019 11:39:00 AM	-99,91	-108.987,63
12/19/2019 11:40:00 AM	-99,87	-108.530,77
12/19/2019 11:41:00 AM	-99,81	-108.622,00
12/19/2019 11:42:00 AM	-99,80	-109.773,81
12/19/2019 11:43:00 AM	-99,85	-108.692,34
12/19/2019 11:44:00 AM	-99,80	-108.329,55
12/19/2019 11:45:00 AM	-99,88	-109.148,35



12/19/2019 8:59:00

AM 12/19/2019  
DATOS

	61	61
PROMEDIO	0,9992	117.201
DESV EST	0,0495	341
DESV EST %		0,0029
MAX	0,9977	116.473
MIN	0,9999	117.978

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 9:00:00 AM	-99,83	-117.430,02
12/19/2019 9:01:00 AM	-99,85	-117.673,98
12/19/2019 9:02:00 AM	-99,90	-117.953,17
12/19/2019 9:03:00 AM	-99,93	-117.977,69
12/19/2019 9:04:00 AM	-99,94	-117.413,13
12/19/2019 9:05:00 AM	-99,95	-117.035,09
12/19/2019 9:06:00 AM	-99,91	-117.436,70
12/19/2019 9:07:00 AM	-99,92	-117.485,25
12/19/2019 9:08:00 AM	-99,93	-117.177,27
12/19/2019 9:09:00 AM	-99,93	-116.798,66
12/19/2019 9:10:00 AM	-99,82	-117.734,98
12/19/2019 9:11:00 AM	-99,86	-117.124,74
12/19/2019 9:12:00 AM	-99,87	-117.444,13
12/19/2019 9:13:00 AM	-99,86	-117.464,88
12/19/2019 9:14:00 AM	-99,89	-117.647,39
12/19/2019 9:15:00 AM	-99,89	-117.109,92
12/19/2019 9:16:00 AM	-99,87	-117.339,97
12/19/2019 9:17:00 AM	-99,91	-117.402,47
12/19/2019 9:18:00 AM	-99,84	-117.043,77
12/19/2019 9:19:00 AM	-99,91	-117.419,66
12/19/2019 9:20:00 AM	-99,87	-117.257,18
12/19/2019 9:21:00 AM	-99,84	-116.921,20
12/19/2019 9:22:00 AM	-99,85	-117.271,47
12/19/2019 9:23:00 AM	-99,79	-117.561,93
12/19/2019 9:24:00 AM	-99,77	-117.446,92
12/19/2019 9:25:00 AM	-99,93	-117.371,55
12/19/2019 9:26:00 AM	-99,94	-117.608,52
12/19/2019 9:27:00 AM	-99,94	-117.413,73
12/19/2019 9:28:00 AM	-99,96	-117.367,77
12/19/2019 9:29:00 AM	-99,95	-117.388,78
12/19/2019 9:30:00 AM	-99,94	-117.515,30
12/19/2019 9:31:00 AM	-99,94	-117.378,15
12/19/2019 9:32:00 AM	-99,97	-117.031,81
12/19/2019 9:33:00 AM	-99,97	-117.219,95
12/19/2019 9:34:00 AM	-99,94	-117.463,20

Neto TV\_FA CC

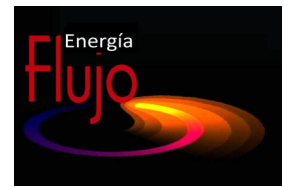
DATOS	61	61
PROMEDIO	0,9992	117.201
DESV EST	0,0495	341
DESV EST %		0,0029
MAX	0,9977	116.473
MIN	0,9999	117.978

Timestamp	NEH_Gx.SE_SLU_L0 2 Power Factor (%)	NEH_Gx.SE_SLU_L0 2 Real Power (kW)
12/19/2019 9:35:00 AM	-99,98	-117.300,04
12/19/2019 9:36:00 AM	-99,95	-116.689,83
12/19/2019 9:37:00 AM	-99,97	-117.571,19
12/19/2019 9:38:00 AM	-99,95	-116.814,88
12/19/2019 9:39:00 AM	-99,95	-117.653,25
12/19/2019 9:40:00 AM	-99,96	-116.815,30
12/19/2019 9:41:00 AM	-99,96	-116.808,70
12/19/2019 9:42:00 AM	-99,96	-116.706,66
12/19/2019 9:43:00 AM	-99,94	-116.760,35
12/19/2019 9:44:00 AM	-99,96	-117.000,65
12/19/2019 9:45:00 AM	-99,95	-116.583,66
12/19/2019 9:46:00 AM	-99,99	-116.842,73
12/19/2019 9:47:00 AM	-99,97	-117.098,38
12/19/2019 9:48:00 AM	-99,98	-117.116,58
12/19/2019 9:49:00 AM	-99,97	-117.169,48
12/19/2019 9:50:00 AM	-99,96	-117.218,80
12/19/2019 9:51:00 AM	-99,94	-116.887,70
12/19/2019 9:52:00 AM	-99,94	-116.857,44
12/19/2019 9:53:00 AM	-99,94	-117.242,20
12/19/2019 9:54:00 AM	-99,94	-117.049,43
12/19/2019 9:55:00 AM	-99,94	-117.095,51
12/19/2019 9:56:00 AM	-99,92	-116.568,02
12/19/2019 9:57:00 AM	-99,93	-116.824,88
12/19/2019 9:58:00 AM	-99,91	-116.891,03
12/19/2019 9:59:00 AM	-99,97	-116.473,44
12/19/2019 10:00:00 AM	-99,99	-116.889,30



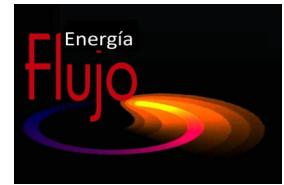
PROMEDIO	12,47	3,74	10,42	28,06
DESV EST	5,782465038	1,95047378	16,62580797	15,47394303
DESV EST %	0,463819522	0,521647233	1,595303161	0,551393529
MAX	22,93	9,11	96,69	87,37
MIN	0,00	0,01	0,09	0,00
DATOS	60	60	60	60

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	9:00:00	14,35	4,17	8,60	32,95
19-12-2019	9:01:00	14,35	4,17	8,41	32,92
19-12-2019	9:02:00	14,35	4,17	8,46	32,72
19-12-2019	9:03:00	14,35	4,17	8,12	32,69
19-12-2019	9:04:00	14,35	4,17	8,26	32,67
19-12-2019	9:05:00	14,35	4,18	8,41	32,84
19-12-2019	9:06:00	14,35	4,18	8,16	32,70
19-12-2019	9:07:00	14,36	4,17	8,33	33,29
19-12-2019	9:08:00	14,36	4,17	8,46	33,34
19-12-2019	9:09:00	14,35	4,17	8,22	33,05
19-12-2019	9:10:00	14,36	4,17	8,42	33,14
19-12-2019	9:11:00	14,36	4,17	8,20	32,81
19-12-2019	9:12:00	14,36	4,17	8,41	32,74
19-12-2019	9:13:00	14,36	4,17	8,41	32,95
19-12-2019	9:14:00	14,36	4,17	8,25	32,76
19-12-2019	9:15:00	14,36	4,17	8,39	33,36
19-12-2019	9:16:00	14,36	4,17	8,33	32,85
19-12-2019	9:17:00	14,37	4,17	8,46	33,31
19-12-2019	9:18:00	14,36	4,16	8,28	32,91
19-12-2019	9:19:00	14,37	4,16	8,41	33,22
19-12-2019	9:20:00	14,37	4,16	8,47	33,35
19-12-2019	9:21:00	14,36	4,17	8,54	33,29
19-12-2019	9:22:00	14,36	4,16	8,34	33,24
19-12-2019	9:23:00	14,37	4,17	8,31	33,24
19-12-2019	9:24:00	14,36	4,17	8,43	33,12
19-12-2019	9:25:00	14,37	4,16	8,38	33,59
19-12-2019	9:26:00	14,37	4,17	8,32	33,28
19-12-2019	9:27:00	14,37	4,16	8,08	33,13
19-12-2019	9:28:00	14,37	4,16	8,29	33,43
19-12-2019	9:29:00	14,37	4,17	8,35	33,47
19-12-2019	9:30:00	14,37	4,16	8,24	33,21
19-12-2019	9:31:00	14,37	4,17	8,21	33,30
19-12-2019	9:32:00	14,37	4,16	8,11	33,06
19-12-2019	9:33:00	14,37	4,16	8,36	33,51



PROMEDIO	12,47	3,74	10,42	<b>28,06</b>
DESV EST	5,782465038	1,95047378	16,62580797	15,47394303
DESV EST %	0,463819522	0,521647233	1,595303161	0,551393529
MAX	22,93	9,11	96,69	87,37
MIN	0,00	0,01	0,09	0,00
DATOS	60	60	60	60

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	9:34:00	14,37	4,16	8,44	33,39
19-12-2019	9:35:00	14,38	4,16	8,42	33,29
19-12-2019	9:36:00	14,37	4,16	8,16	33,12
19-12-2019	9:37:00	14,37	4,16	8,55	33,38
19-12-2019	9:38:00	14,37	4,16	8,32	33,48
19-12-2019	9:39:00	14,38	4,16	8,20	33,41
19-12-2019	9:40:00	14,38	4,15	8,30	33,43
19-12-2019	9:41:00	14,38	4,14	8,15	33,58
19-12-2019	9:42:00	14,38	4,14	8,29	33,20
19-12-2019	9:43:00	14,38	4,14	8,09	33,48
19-12-2019	9:44:00	14,39	4,14	7,82	33,59
19-12-2019	9:45:00	8,79	1,78	22,10	23,64
19-12-2019	9:46:00	0,14	0,03	1,60	3,08
19-12-2019	9:47:00	0,04	0,02	1,45	1,90
19-12-2019	9:48:00	0,01	0,02	1,04	2,25
19-12-2019	9:49:00	0,02	0,02	1,19	2,35
19-12-2019	9:50:00	0,02	0,01	0,96	1,74
19-12-2019	9:51:00	0,00	0,01	1,24	1,43
19-12-2019	9:52:00	0,00	0,01	1,37	1,96
19-12-2019	9:53:00	4,90	1,93	0,87	1,81
19-12-2019	9:54:00	22,05	8,06	1,58	0,00
19-12-2019	9:55:00	22,91	9,07	0,23	0,00
19-12-2019	9:56:00	22,93	9,11	0,09	0,00
19-12-2019	9:57:00	19,33	6,81	24,51	3,36
19-12-2019	9:58:00	0,36	0,09	96,23	60,14
19-12-2019	9:59:00	0,07	0,04	96,69	87,37



PROMEDIO	14,67	4,04	1,07	33,20
DESV EST	0,012901398	0,003303138	0,157672176	0,45240319
DESV EST %	0,000879586	0,000818264	0,146711094	0,013628205
MAX	14,69	4,04	1,38	34,26
MIN	14,65	4,03	0,60	32,43
DATOS	61	61	61	61

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	10:45:00	14,65	4,04	1,38	32,70
19-12-2019	10:46:00	14,65	4,04	1,13	33,16
19-12-2019	10:47:00	14,65	4,04	1,32	32,82
19-12-2019	10:48:00	14,65	4,04	1,26	32,60
19-12-2019	10:49:00	14,65	4,04	1,11	33,00
19-12-2019	10:50:00	14,65	4,04	1,00	33,19
19-12-2019	10:51:00	14,65	4,04	1,15	33,02
19-12-2019	10:52:00	14,65	4,04	1,21	32,60
19-12-2019	10:53:00	14,65	4,04	1,12	32,66
19-12-2019	10:54:00	14,66	4,04	1,19	32,73
19-12-2019	10:55:00	14,65	4,04	1,01	32,43
19-12-2019	10:56:00	14,66	4,04	0,93	32,67
19-12-2019	10:57:00	14,65	4,04	1,19	32,79
19-12-2019	10:58:00	14,66	4,04	1,23	32,78
19-12-2019	10:59:00	14,66	4,04	0,99	32,51
19-12-2019	11:00:00	14,65	4,04	1,23	32,77
19-12-2019	11:01:00	14,66	4,04	1,07	32,69
19-12-2019	11:02:00	14,66	4,04	1,15	32,81
19-12-2019	11:03:00	14,66	4,04	1,16	32,64
19-12-2019	11:04:00	14,66	4,04	1,20	32,46
19-12-2019	11:05:00	14,66	4,04	1,16	32,88
19-12-2019	11:06:00	14,66	4,04	1,09	32,68
19-12-2019	11:07:00	14,66	4,04	1,28	32,82
19-12-2019	11:08:00	14,66	4,04	1,22	33,07
19-12-2019	11:09:00	14,66	4,04	1,00	32,96
19-12-2019	11:10:00	14,66	4,04	1,07	32,70
19-12-2019	11:11:00	14,66	4,04	0,98	32,87
19-12-2019	11:12:00	14,66	4,04	1,10	33,31
19-12-2019	11:13:00	14,67	4,04	1,25	33,01
19-12-2019	11:14:00	14,67	4,04	1,17	33,36





Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	11:15:00	14,67	4,03	1,38	33,61
19-12-2019	11:16:00	14,67	4,04	0,99	33,06
19-12-2019	11:17:00	14,67	4,04	1,04	33,13
19-12-2019	11:18:00	14,67	4,04	0,98	33,16
19-12-2019	11:19:00	14,67	4,04	1,12	33,54
19-12-2019	11:20:00	14,67	4,04	1,24	33,65
19-12-2019	11:21:00	14,67	4,03	0,83	33,25
19-12-2019	11:22:00	14,67	4,03	1,08	33,74
19-12-2019	11:23:00	14,68	4,03	1,00	33,60
19-12-2019	11:24:00	14,68	4,03	0,86	33,53
19-12-2019	11:25:00	14,68	4,03	1,09	33,30
19-12-2019	11:26:00	14,68	4,03	1,31	33,81
19-12-2019	11:27:00	14,68	4,03	0,71	33,50
19-12-2019	11:28:00	14,68	4,04	0,97	33,29
19-12-2019	11:29:00	14,68	4,04	1,14	33,75
19-12-2019	11:30:00	14,68	4,04	1,22	33,66
19-12-2019	11:31:00	14,68	4,04	0,91	33,44
19-12-2019	11:32:00	14,68	4,04	1,10	33,96
19-12-2019	11:33:00	14,68	4,04	1,10	33,39
19-12-2019	11:34:00	14,68	4,04	1,04	33,83
19-12-2019	11:35:00	14,68	4,04	0,87	33,17
19-12-2019	11:36:00	14,68	4,03	0,85	33,16
19-12-2019	11:37:00	14,68	4,04	0,60	33,29
19-12-2019	11:38:00	14,68	4,04	1,14	33,78
19-12-2019	11:39:00	14,68	4,03	0,89	33,86
19-12-2019	11:40:00	14,68	4,03	0,93	33,73
19-12-2019	11:41:00	14,68	4,04	1,09	33,77
19-12-2019	11:42:00	14,69	4,03	0,93	33,81
19-12-2019	11:43:00	14,68	4,04	0,96	33,74
19-12-2019	11:44:00	14,69	4,03	0,76	33,52



PROMEDIO	14,70	4,03	1,05	32,47
DESV EST	0,014598853	0,018640607	0,177696417	0,986929291
DESV EST %	0,000993189	0,00461993	0,169858272	0,030392332
MAX	14,73	4,07	1,45	34,65
MIN	14,67	3,99	0,65	30,57
DATOS	61	61	61	61

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	12:15:00	14,70	4,02	0,92	33,78
19-12-2019	12:16:00	14,69	4,02	0,92	34,05
19-12-2019	12:17:00	14,69	4,03	0,68	33,76
19-12-2019	12:18:00	14,68	4,03	0,94	34,36
19-12-2019	12:19:00	14,69	4,03	0,79	33,95
19-12-2019	12:20:00	14,68	4,03	1,14	34,65
19-12-2019	12:21:00	14,67	4,04	1,01	34,48
19-12-2019	12:22:00	14,69	4,03	0,89	33,98
19-12-2019	12:23:00	14,68	4,03	0,85	33,76
19-12-2019	12:24:00	14,68	4,04	0,78	33,88
19-12-2019	12:25:00	14,68	4,04	0,88	34,06
19-12-2019	12:26:00	14,68	4,04	1,10	33,76
19-12-2019	12:27:00	14,69	4,03	1,00	32,74
19-12-2019	12:28:00	14,70	4,03	1,03	32,54
19-12-2019	12:29:00	14,70	4,03	0,96	32,30
19-12-2019	12:30:00	14,71	4,02	1,22	32,26
19-12-2019	12:31:00	14,72	4,02	1,15	31,85
19-12-2019	12:32:00	14,70	4,03	1,21	32,25
19-12-2019	12:33:00	14,72	4,02	1,13	31,58
19-12-2019	12:34:00	14,72	4,02	0,97	31,23
19-12-2019	12:35:00	14,71	4,02	1,18	31,67
19-12-2019	12:36:00	14,71	4,02	0,88	31,66
19-12-2019	12:37:00	14,71	4,02	0,94	31,58
19-12-2019	12:38:00	14,70	4,03	1,13	32,16
19-12-2019	12:39:00	14,68	4,04	1,10	33,17
19-12-2019	12:40:00	14,70	4,03	1,15	32,30
19-12-2019	12:41:00	14,72	4,02	1,05	31,85
19-12-2019	12:42:00	14,72	4,02	1,11	31,70
19-12-2019	12:43:00	14,72	4,02	1,02	31,14
19-12-2019	12:44:00	14,71	4,02	1,19	31,29
19-12-2019	12:45:00	14,73	4,04	1,45	31,23
19-12-2019	12:46:00	14,71	4,05	1,42	31,67
19-12-2019	12:47:00	14,72	4,05	0,66	30,57
19-12-2019	12:48:00	14,71	4,05	0,85	30,85



Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	12:49:00	14,70	4,06	1,12	31,65
19-12-2019	12:50:00	14,70	4,06	1,00	31,77
19-12-2019	12:51:00	14,69	4,07	1,13	31,93
19-12-2019	12:52:00	14,70	4,06	1,10	31,69
19-12-2019	12:53:00	14,70	4,06	0,95	31,82
19-12-2019	12:54:00	14,68	4,07	1,30	32,89
19-12-2019	12:55:00	14,70	4,06	1,23	32,42
19-12-2019	12:56:00	14,68	4,07	1,13	32,46
19-12-2019	12:57:00	14,70	4,06	0,65	31,59
19-12-2019	12:58:00	14,69	4,07	1,10	32,24
19-12-2019	12:59:00	14,69	4,06	1,18	32,76
19-12-2019	13:00:00	14,70	4,06	0,84	31,77
19-12-2019	13:01:00	14,69	4,06	1,13	32,93
19-12-2019	13:02:00	14,70	4,06	0,94	31,93
19-12-2019	13:03:00	14,68	4,07	1,17	32,64
19-12-2019	13:04:00	14,67	4,02	1,30	33,98
19-12-2019	13:05:00	14,70	4,00	1,11	33,12
19-12-2019	13:06:00	14,72	3,99	1,35	32,31
19-12-2019	13:07:00	14,71	4,02	0,82	31,76
19-12-2019	13:08:00	14,71	4,02	1,34	32,48
19-12-2019	13:09:00	14,71	4,01	1,05	32,06
19-12-2019	13:10:00	14,72	4,02	0,79	31,61
19-12-2019	13:11:00	14,71	4,02	1,16	31,93
19-12-2019	13:12:00	14,70	4,02	1,15	32,28
19-12-2019	13:13:00	14,69	4,03	0,96	32,81
19-12-2019	13:14:00	14,69	4,04	1,13	33,15



PROMEDIO	14,77	4,00	1,13	29,59
DESV EST	0,010146025	0,006708811	0,14233177	0,570310777
DESV EST %	0,000687149	0,001677456	0,125685436	0,019274765
MAX	14,79	4,01	1,48	30,70
MIN	14,74	3,98	0,88	28,33
DATOS	61	61	61	61

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	13:45:00	14,76	4,00	1,33	29,75
19-12-2019	13:46:00	14,75	4,01	1,17	29,42
19-12-2019	13:47:00	14,74	4,01	1,32	30,00
19-12-2019	13:48:00	14,76	4,00	1,38	29,70
19-12-2019	13:49:00	14,77	4,00	1,21	29,45
19-12-2019	13:50:00	14,75	4,01	0,88	29,68
19-12-2019	13:51:00	14,78	3,99	1,09	28,94
19-12-2019	13:52:00	14,75	4,01	1,39	29,82
19-12-2019	13:53:00	14,76	4,01	1,17	29,79
19-12-2019	13:54:00	14,75	4,01	1,28	29,87
19-12-2019	13:55:00	14,76	4,00	0,99	29,36
19-12-2019	13:56:00	14,76	4,01	1,21	29,83
19-12-2019	13:57:00	14,75	4,01	0,95	29,80
19-12-2019	13:58:00	14,76	4,00	1,15	29,64
19-12-2019	13:59:00	14,78	4,00	1,04	29,37
19-12-2019	14:00:00	14,78	4,00	0,96	29,39
19-12-2019	14:01:00	14,78	3,99	1,27	28,92
19-12-2019	14:02:00	14,77	4,00	0,91	28,82
19-12-2019	14:03:00	14,78	4,00	1,17	29,24
19-12-2019	14:04:00	14,76	4,00	1,09	29,99
19-12-2019	14:05:00	14,76	4,00	0,99	29,84
19-12-2019	14:06:00	14,77	4,00	0,97	29,69
19-12-2019	14:07:00	14,77	4,00	1,16	30,29
19-12-2019	14:08:00	14,77	4,00	1,20	30,24
19-12-2019	14:09:00	14,78	3,99	1,18	29,96
19-12-2019	14:10:00	14,77	4,00	0,99	30,00
19-12-2019	14:11:00	14,78	4,00	1,17	30,07
19-12-2019	14:12:00	14,75	4,01	1,18	30,70
19-12-2019	14:13:00	14,78	4,00	1,25	30,14
19-12-2019	14:14:00	14,77	4,00	1,11	30,35
19-12-2019	14:15:00	14,76	4,00	0,94	30,19
19-12-2019	14:16:00	14,78	3,99	0,93	29,94
19-12-2019	14:17:00	14,79	3,99	1,24	30,05
19-12-2019	14:18:00	14,77	4,00	0,97	30,26
19-12-2019	14:19:00	14,77	4,00	1,16	30,36
19-12-2019	14:20:00	14,77	4,00	0,98	29,74



Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	14:21:00	14,76	4,01	1,24	30,64
19-12-2019	14:22:00	14,77	4,00	1,25	30,36
19-12-2019	14:23:00	14,78	3,98	1,09	29,91
19-12-2019	14:24:00	14,77	3,99	1,19	29,88
19-12-2019	14:25:00	14,76	4,00	1,31	30,41
19-12-2019	14:26:00	14,76	4,00	1,00	29,62
19-12-2019	14:27:00	14,75	4,01	1,29	30,27
19-12-2019	14:28:00	14,78	3,99	1,04	29,24
19-12-2019	14:29:00	14,77	4,00	1,16	29,14
19-12-2019	14:30:00	14,77	4,00	1,48	29,40
19-12-2019	14:31:00	14,76	4,00	1,14	29,03
19-12-2019	14:32:00	14,77	4,00	1,05	28,95
19-12-2019	14:33:00	14,77	4,00	0,96	28,33
19-12-2019	14:34:00	14,77	4,00	1,28	28,49
19-12-2019	14:35:00	14,76	4,00	1,22	29,00
19-12-2019	14:36:00	14,76	4,01	0,88	28,97
19-12-2019	14:37:00	14,76	4,01	0,94	29,03
19-12-2019	14:38:00	14,77	3,99	1,13	28,83
19-12-2019	14:39:00	14,76	3,99	1,38	29,32
19-12-2019	14:40:00	14,76	4,00	1,12	28,69
19-12-2019	14:41:00	14,77	3,99	1,15	28,76
19-12-2019	14:42:00	14,76	4,00	1,10	28,76
19-12-2019	14:43:00	14,77	4,00	1,17	28,75
19-12-2019	14:44:00	14,75	4,01	1,24	29,28



PROMEDIO	14,82	3,96	1,32	25,68
DESV EST	0,015272951	0,009578348	0,174915408	0,510980526
DESV EST %	0,001030805	0,002418873	0,132392209	0,019900724
MAX	14,85	3,98	1,87	26,69
MIN	14,77	3,94	0,96	24,75
DATOS	61	61	61	61

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	15:15:00	14,82	3,95	1,15	25,06
19-12-2019	15:16:00	14,80	3,97	1,20	25,67
19-12-2019	15:17:00	14,80	3,96	1,18	26,22
19-12-2019	15:18:00	14,83	3,95	1,39	25,38
19-12-2019	15:19:00	14,81	3,96	1,24	25,49
19-12-2019	15:20:00	14,81	3,96	1,34	25,68
19-12-2019	15:21:00	14,82	3,95	1,11	25,36
19-12-2019	15:22:00	14,83	3,95	1,23	25,29
19-12-2019	15:23:00	14,82	3,95	1,03	25,10
19-12-2019	15:24:00	14,81	3,96	1,33	25,60
19-12-2019	15:25:00	14,84	3,94	1,23	24,99
19-12-2019	15:26:00	14,82	3,95	1,24	24,97
19-12-2019	15:27:00	14,80	3,97	1,45	25,33
19-12-2019	15:28:00	14,83	3,95	1,14	25,22
19-12-2019	15:29:00	14,80	3,97	1,07	25,21
19-12-2019	15:30:00	14,80	3,97	1,18	25,47
19-12-2019	15:31:00	14,82	3,95	1,42	25,08
19-12-2019	15:32:00	14,83	3,95	1,40	24,75
19-12-2019	15:33:00	14,80	3,97	1,37	25,65
19-12-2019	15:34:00	14,83	3,95	1,28	25,55
19-12-2019	15:35:00	14,85	3,94	1,27	24,82
19-12-2019	15:36:00	14,81	3,97	1,59	25,87
19-12-2019	15:37:00	14,79	3,97	1,51	26,34
19-12-2019	15:38:00	14,80	3,98	1,41	26,60
19-12-2019	15:39:00	14,80	3,97	1,14	25,98
19-12-2019	15:40:00	14,81	3,96	1,26	25,79
19-12-2019	15:41:00	14,82	3,97	1,38	25,44
19-12-2019	15:42:00	14,82	3,97	0,96	24,94
19-12-2019	15:43:00	14,84	3,96	1,16	24,92
19-12-2019	15:44:00	14,84	3,95	1,71	25,20
19-12-2019	15:45:00	14,83	3,96	1,12	25,14
19-12-2019	15:46:00	14,84	3,95	1,43	25,12
19-12-2019	15:47:00	14,83	3,96	1,25	25,12
19-12-2019	15:48:00	14,83	3,96	1,55	25,31
19-12-2019	15:49:00	14,83	3,96	1,50	25,10



Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	15:50:00	14,80	3,97	1,14	25,45
19-12-2019	15:51:00	14,77	3,98	1,32	26,58
19-12-2019	15:52:00	14,78	3,98	1,32	26,43
19-12-2019	15:53:00	14,79	3,98	1,44	26,35
19-12-2019	15:54:00	14,79	3,97	1,52	26,50
19-12-2019	15:55:00	14,82	3,96	1,50	25,58
19-12-2019	15:56:00	14,81	3,96	1,23	25,97
19-12-2019	15:57:00	14,81	3,96	1,14	25,73
19-12-2019	15:58:00	14,82	3,96	1,03	25,54
19-12-2019	15:59:00	14,82	3,95	1,51	25,97
19-12-2019	16:00:00	14,82	3,95	1,50	26,10
19-12-2019	16:01:00	14,81	3,95	1,45	26,15
19-12-2019	16:02:00	14,83	3,95	1,48	25,96
19-12-2019	16:03:00	14,82	3,95	1,46	25,79
19-12-2019	16:04:00	14,82	3,96	1,63	26,07
19-12-2019	16:05:00	14,82	3,96	1,38	25,90
19-12-2019	16:06:00	14,83	3,95	1,15	25,53
19-12-2019	16:07:00	14,81	3,97	1,31	26,42
19-12-2019	16:08:00	14,81	3,97	1,14	26,16
19-12-2019	16:09:00	14,81	3,97	1,34	26,69
19-12-2019	16:10:00	14,83	3,96	1,33	26,15
19-12-2019	16:11:00	14,83	3,96	1,36	25,76
19-12-2019	16:12:00	14,81	3,97	1,21	26,18
19-12-2019	16:13:00	14,83	3,96	1,27	26,17
19-12-2019	16:14:00	14,82	3,96	1,28	26,22



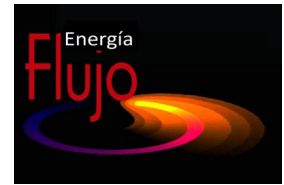
PROMEDIO	14,81	3,98	1,46	26,39
DESV EST	0,013010078	0,007687461	0,139528603	0,470628826
DESV EST %	0,000878339	0,001930512	0,095388805	0,017833435
MAX	14,86	3,99	1,70	27,37
MIN	14,79	3,96	1,10	25,50
DATOS	61	61	61	61

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	16:45:00	14,81	3,98	1,44	26,56
19-12-2019	16:46:00	14,84	3,96	1,52	26,07
19-12-2019	16:47:00	14,83	3,97	1,10	25,50
19-12-2019	16:48:00	14,79	3,99	1,42	26,89
19-12-2019	16:49:00	14,80	3,99	1,59	27,11
19-12-2019	16:50:00	14,80	3,99	1,66	27,12
19-12-2019	16:51:00	14,80	3,99	1,39	27,14
19-12-2019	16:52:00	14,80	3,99	1,36	27,04
19-12-2019	16:53:00	14,82	3,97	1,19	26,35
19-12-2019	16:54:00	14,80	3,97	1,47	26,77
19-12-2019	16:55:00	14,81	3,97	1,24	26,73
19-12-2019	16:56:00	14,81	3,97	1,16	26,57
19-12-2019	16:57:00	14,80	3,98	1,36	26,85
19-12-2019	16:58:00	14,81	3,98	1,45	26,93
19-12-2019	16:59:00	14,80	3,98	1,60	27,37
19-12-2019	17:00:00	14,82	3,97	1,41	26,53
19-12-2019	17:01:00	14,80	3,99	1,32	26,79
19-12-2019	17:02:00	14,82	3,98	1,67	26,72
19-12-2019	17:03:00	14,80	3,99	1,52	27,15
19-12-2019	17:04:00	14,84	3,96	1,30	25,70
19-12-2019	17:05:00	14,82	3,98	1,61	26,32
19-12-2019	17:06:00	14,82	3,98	1,61	26,99
19-12-2019	17:07:00	14,82	3,98	1,58	26,66
19-12-2019	17:08:00	14,81	3,99	1,32	26,70
19-12-2019	17:09:00	14,86	3,96	1,66	25,53
19-12-2019	17:10:00	14,81	3,99	1,58	26,41
19-12-2019	17:11:00	14,81	3,98	1,52	26,50
19-12-2019	17:12:00	14,80	3,99	1,49	26,51
19-12-2019	17:13:00	14,81	3,98	1,25	26,23
19-12-2019	17:14:00	14,81	3,98	1,37	26,41
19-12-2019	17:15:00	14,81	3,98	1,38	26,19
19-12-2019	17:16:00	14,80	3,99	1,49	26,32
19-12-2019	17:17:00	14,80	3,99	1,62	26,65
19-12-2019	17:18:00	14,83	3,97	1,60	25,85
19-12-2019	17:19:00	14,80	3,99	1,43	26,17
19-12-2019	17:20:00	14,81	3,99	1,40	25,83





Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	17:21:00	14,80	3,99	1,33	26,38
19-12-2019	17:22:00	14,81	3,98	1,41	26,06
19-12-2019	17:23:00	14,83	3,98	1,54	25,81
19-12-2019	17:24:00	14,83	3,97	1,48	25,55
19-12-2019	17:25:00	14,82	3,98	1,60	26,03
19-12-2019	17:26:00	14,83	3,98	1,70	25,72
19-12-2019	17:27:00	14,83	3,98	1,34	25,50
19-12-2019	17:28:00	14,82	3,98	1,63	25,95
19-12-2019	17:29:00	14,82	3,98	1,48	25,97
19-12-2019	17:30:00	14,81	3,98	1,37	26,10
19-12-2019	17:31:00	14,82	3,98	1,66	25,90
19-12-2019	17:32:00	14,82	3,98	1,38	25,84
19-12-2019	17:33:00	14,81	3,98	1,58	26,62
19-12-2019	17:34:00	14,81	3,98	1,56	26,41
19-12-2019	17:35:00	14,81	3,99	1,41	26,45
19-12-2019	17:36:00	14,80	3,99	1,50	26,80
19-12-2019	17:37:00	14,80	3,99	1,50	26,59
19-12-2019	17:38:00	14,80	3,99	1,63	26,88
19-12-2019	17:39:00	14,80	3,99	1,58	26,42
19-12-2019	17:40:00	14,80	3,99	1,51	25,93
19-12-2019	17:41:00	14,80	3,99	1,37	26,33
19-12-2019	17:42:00	14,80	3,99	1,61	27,01
19-12-2019	17:43:00	14,81	3,98	1,45	26,32
19-12-2019	17:44:00	14,82	3,98	1,23	25,92

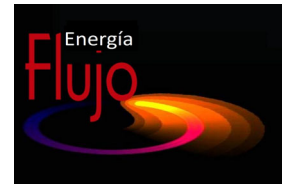


PROMEDIO	14,79	3,99	2,14	25,14
DESV EST	0,019809229	0,014152756	0,329884671	0,67875988
DESV EST %	0,001339516	0,003548262	0,154247414	0,026998541
MAX	14,87	4,03	2,85	27,53
MIN	14,74	3,95	1,47	24,11
DATOS	61	61	61	61

Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	18:15:00	14,79	3,99	1,47	25,37
19-12-2019	18:16:00	14,79	3,99	1,71	25,73
19-12-2019	18:17:00	14,81	3,98	1,72	25,41
19-12-2019	18:18:00	14,80	3,97	1,81	25,42
19-12-2019	18:19:00	14,80	3,98	1,86	25,55
19-12-2019	18:20:00	14,80	3,98	1,74	24,91
19-12-2019	18:21:00	14,79	4,00	1,89	25,28
19-12-2019	18:22:00	14,80	3,99	1,63	24,92
19-12-2019	18:23:00	14,80	3,99	1,63	24,85
19-12-2019	18:24:00	14,81	3,99	1,76	24,52
19-12-2019	18:25:00	14,80	3,99	1,76	25,04
19-12-2019	18:26:00	14,81	3,99	1,66	24,51
19-12-2019	18:27:00	14,82	3,96	2,10	24,36
19-12-2019	18:28:00	14,80	3,98	1,97	24,73
19-12-2019	18:29:00	14,77	4,00	1,65	25,61
19-12-2019	18:30:00	14,77	4,00	1,93	25,64
19-12-2019	18:31:00	14,79	4,00	1,98	24,77
19-12-2019	18:32:00	14,76	4,01	1,71	25,83
19-12-2019	18:33:00	14,80	3,99	2,03	24,57
19-12-2019	18:34:00	14,78	4,00	1,90	24,79
19-12-2019	18:35:00	14,78	3,99	2,12	24,82
19-12-2019	18:36:00	14,79	3,98	2,12	24,76
19-12-2019	18:37:00	14,79	3,99	2,13	24,88
19-12-2019	18:38:00	14,79	3,99	1,96	24,43
19-12-2019	18:39:00	14,79	4,00	2,17	25,09
19-12-2019	18:40:00	14,79	4,00	2,27	24,90
19-12-2019	18:41:00	14,78	4,00	1,99	24,54
19-12-2019	18:42:00	14,79	4,00	2,07	24,17
19-12-2019	18:43:00	14,78	3,99	2,15	24,59
19-12-2019	18:44:00	14,79	3,97	2,08	24,11
19-12-2019	18:45:00	14,79	3,98	2,31	24,41
19-12-2019	18:46:00	14,80	3,98	2,16	24,13
19-12-2019	18:47:00	14,79	3,99	2,07	24,18
19-12-2019	18:48:00	14,82	3,97	2,25	24,25



Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	18:49:00	14,87	3,95	1,91	25,83
19-12-2019	18:50:00	14,74	4,03	1,76	27,53
19-12-2019	18:51:00	14,79	3,99	2,48	25,90
19-12-2019	18:52:00	14,80	3,99	2,53	24,88
19-12-2019	18:53:00	14,81	3,99	2,34	24,74
19-12-2019	18:54:00	14,80	3,98	2,41	24,57
19-12-2019	18:55:00	14,75	4,02	2,04	26,45
19-12-2019	18:56:00	14,76	4,01	2,31	26,97
19-12-2019	18:57:00	14,81	3,97	2,85	25,20
19-12-2019	18:58:00	14,77	3,99	2,27	25,49
19-12-2019	18:59:00	14,75	4,00	2,17	26,30
19-12-2019	19:00:00	14,75	4,01	2,19	26,47
19-12-2019	19:01:00	14,78	3,99	2,56	25,56
19-12-2019	19:02:00	14,77	4,00	2,29	25,46
19-12-2019	19:03:00	14,77	4,00	2,34	25,39
19-12-2019	19:04:00	14,76	4,00	2,39	25,81
19-12-2019	19:05:00	14,78	4,00	2,16	25,11
19-12-2019	19:06:00	14,78	3,98	2,65	25,21
19-12-2019	19:07:00	14,79	3,97	2,66	25,04
19-12-2019	19:08:00	14,80	3,98	2,65	25,00
19-12-2019	19:09:00	14,79	3,98	2,47	25,15
19-12-2019	19:10:00	14,79	3,98	2,54	25,02
19-12-2019	19:11:00	14,79	3,99	2,52	25,27
19-12-2019	19:12:00	14,79	3,98	2,18	24,60
19-12-2019	19:13:00	14,79	3,96	2,52	24,97
19-12-2019	19:14:00	14,80	3,96	2,83	25,22



PROMEDIO	14,86	3,94	2,82	29,61
DESV EST	0,008831404	0,011086172	0,239736529	0,401334052
DESV EST %	0,000594187	0,002810343	0,085093103	0,013552541
MAX	14,89	3,98	3,33	30,96
MIN	14,84	3,93	2,28	28,73
DATOS	61	61	61	61

Fecha	O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019 19:45:00	14,85	3,95	2,86	30,96
19-12-2019 19:46:00	14,89	3,93	3,09	28,83
19-12-2019 19:47:00	14,86	3,94	2,73	29,84
19-12-2019 19:48:00	14,87	3,96	2,90	30,32
19-12-2019 19:49:00	14,86	3,98	2,47	29,57
19-12-2019 19:50:00	14,86	3,97	2,57	29,94
19-12-2019 19:51:00	14,86	3,96	2,73	29,94
19-12-2019 19:52:00	14,86	3,96	2,67	30,16
19-12-2019 19:53:00	14,87	3,96	2,86	29,85
19-12-2019 19:54:00	14,86	3,96	2,66	29,86
19-12-2019 19:55:00	14,86	3,94	2,47	29,89
19-12-2019 19:56:00	14,86	3,94	2,46	29,68
19-12-2019 19:57:00	14,86	3,93	2,71	29,93
19-12-2019 19:58:00	14,86	3,93	2,64	29,71
19-12-2019 19:59:00	14,86	3,93	2,68	29,95
19-12-2019 20:00:00	14,87	3,93	2,68	29,72
19-12-2019 20:01:00	14,86	3,93	2,66	30,16
19-12-2019 20:02:00	14,86	3,93	2,28	29,98
19-12-2019 20:03:00	14,86	3,93	2,34	29,82
19-12-2019 20:04:00	14,87	3,93	2,53	29,91
19-12-2019 20:05:00	14,86	3,93	2,73	29,74
19-12-2019 20:06:00	14,86	3,93	2,78	29,86
19-12-2019 20:07:00	14,87	3,93	2,70	29,64
19-12-2019 20:08:00	14,85	3,94	2,52	29,91
19-12-2019 20:09:00	14,86	3,93	2,78	29,58
19-12-2019 20:10:00	14,86	3,93	2,66	29,73
19-12-2019 20:11:00	14,86	3,94	2,70	29,61
19-12-2019 20:12:00	14,87	3,94	2,73	29,52
19-12-2019 20:13:00	14,85	3,95	2,76	29,87
19-12-2019 20:14:00	14,85	3,95	2,74	29,63
19-12-2019 20:15:00	14,85	3,96	2,77	29,53
19-12-2019 20:16:00	14,85	3,96	2,66	29,46
19-12-2019 20:17:00	14,85	3,96	2,84	29,81
19-12-2019 20:18:00	14,85	3,95	2,82	29,90



Fecha		O <sub>2</sub> bruto(% Vol.)	CO <sub>2</sub> bruto(% Vol.)	CO(mg/Nm <sup>3</sup> )	NOx(mg/Nm <sup>3</sup> )
19-12-2019	20:19:00	14,84	3,96	2,50	30,32
19-12-2019	20:20:00	14,86	3,95	2,61	29,44
19-12-2019	20:21:00	14,86	3,95	2,71	29,87
19-12-2019	20:22:00	14,86	3,95	2,59	29,56
19-12-2019	20:23:00	14,87	3,94	2,80	29,27
19-12-2019	20:24:00	14,88	3,94	3,25	29,43
19-12-2019	20:25:00	14,86	3,95	2,87	29,37
19-12-2019	20:26:00	14,87	3,95	2,82	29,05
19-12-2019	20:27:00	14,87	3,94	2,99	29,61
19-12-2019	20:28:00	14,87	3,94	3,22	29,88
19-12-2019	20:29:00	14,86	3,95	2,94	29,71
19-12-2019	20:30:00	14,88	3,94	2,99	29,13
19-12-2019	20:31:00	14,87	3,94	2,96	29,44
19-12-2019	20:32:00	14,87	3,94	3,02	29,36
19-12-2019	20:33:00	14,86	3,95	3,16	29,46
19-12-2019	20:34:00	14,88	3,94	3,33	29,08
19-12-2019	20:35:00	14,86	3,95	2,95	29,54
19-12-2019	20:36:00	14,86	3,95	3,17	29,35
19-12-2019	20:37:00	14,86	3,95	3,07	29,09
19-12-2019	20:38:00	14,86	3,95	3,17	29,39
19-12-2019	20:39:00	14,87	3,94	3,18	29,19
19-12-2019	20:40:00	14,88	3,94	3,25	29,08
19-12-2019	20:41:00	14,88	3,94	3,07	28,92
19-12-2019	20:42:00	14,87	3,94	2,93	28,73
19-12-2019	20:43:00	14,87	3,94	3,00	29,25
19-12-2019	20:44:00	14,87	3,95	3,05	28,94



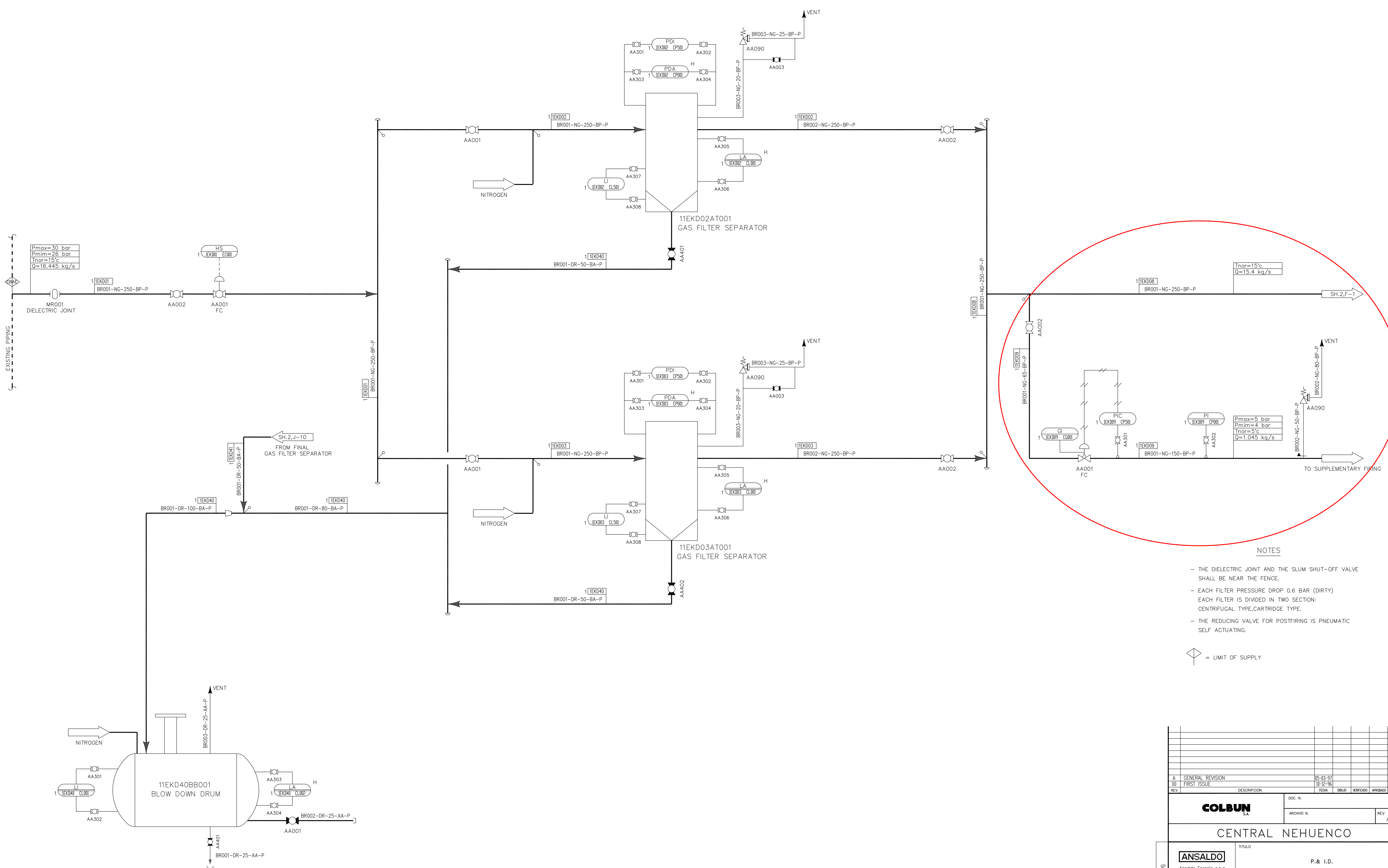
## A – 5 Esquemas de Mediciones Principales

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OPERACIÓN y MANTENIMIENTO INDUSTRIAL

*Flujo Energía Limitada*

Nueva York 53 Oficina 61 - Santiago



$P_{max}=30 \text{ bar}$   
 $P_{min}=26 \text{ bar}$   
 $T_{nor}=15^\circ\text{C}$   
 $Q=16.445 \text{ kg/s}$

$T_{nor}=15^\circ\text{C}$   
 $Q=15.4 \text{ kg/s}$

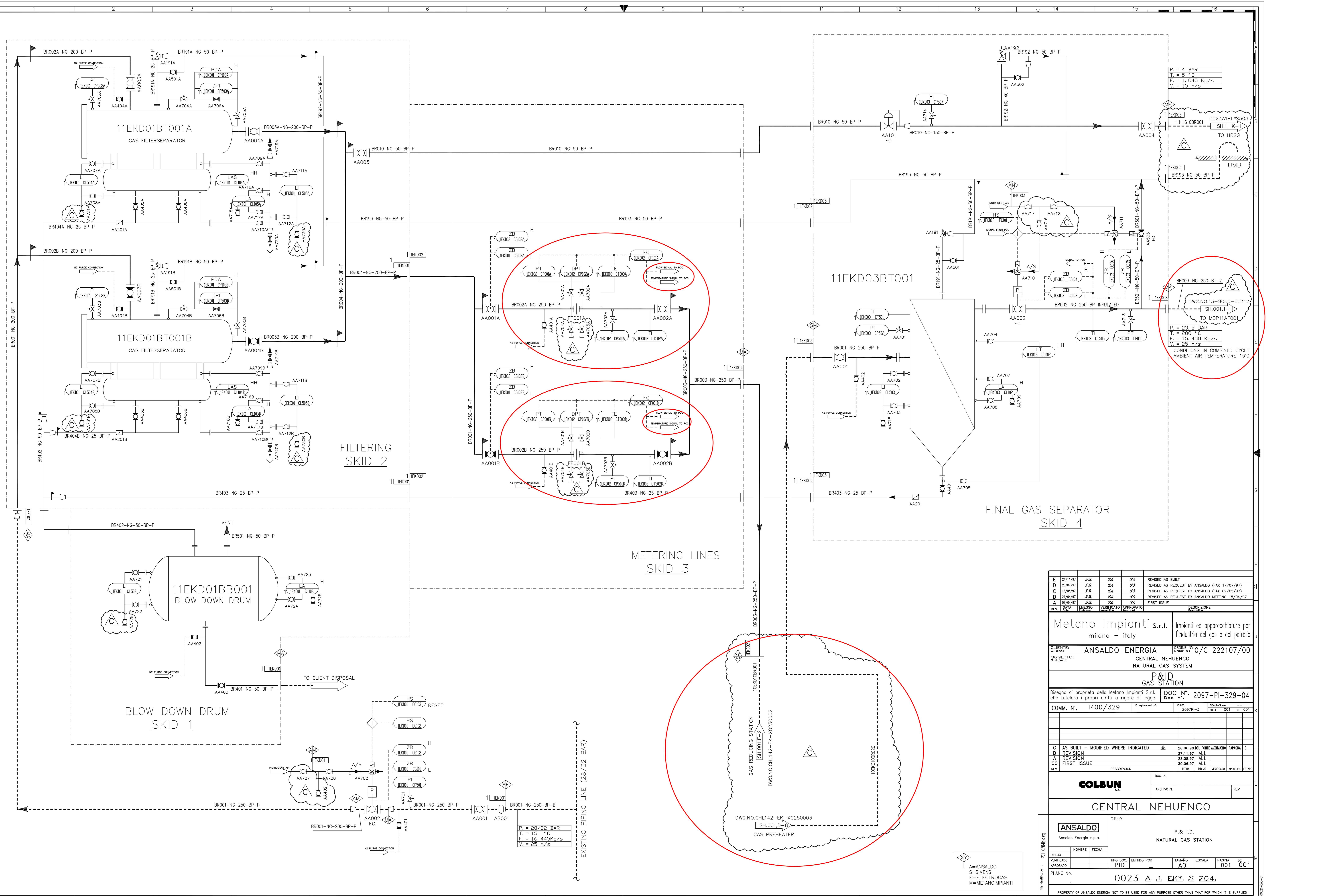
$P_{max}=5 \text{ bar}$   
 $P_{min}=4 \text{ bar}$   
 $T_{nor}=5^\circ\text{C}$   
 $Q=1.045 \text{ kg/s}$

**NOTES**

- THE DIELECTRIC JOINT AND THE SLUM SHUT-OFF VALVE SHALL BE NEAR THE FENCE.
- EACH FILTER PRESSURE DROP 0.6 BAR (DIRTY) EACH FILTER IS DIVIDED IN TWO SECTION: CENTRIFUGAL TYPE, CARTRIDGE TYPE.
- THE REDUCING VALVE FOR POSTFIRING IS PNEUMATIC SELF ACTUATING.

= LIMIT OF SUPPLY

A GENERAL REVISION		05-03-97	A
00 FIRST ISSUE		10-12-96	A
REV	DESCRIPCION	FECHA	DEBIL. VERIFICADO APROBADO ESTADO
<b>COLBUN</b>		DOC. N.	REV
<b>CENTRAL NEHUENCO</b>		ARCHIVO N.	A
<b>ANSALDO</b>		TITULO	
Ansaldo Energia s.p.a.		P. & I.D. NATURAL GAS SYSTEM	
DRILLO	SAINTUM	10-12-96	
VERIFICADO	QUEFI	10-12-96	TIPO DOC.   EMITIDO POR
APROBADO	PAPAÑA	10-12-96	PID   ING   ICT   SCC
PLANO No.		TAMAÑO	ESCALA
0023		AO	001
		PAGNA	DE
		001	002
PROPERTY OF ANSALDO ENERGIA NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED			



P = 4 BAR  
 T = 5 °C  
 F = 1.045 Kg/s  
 V = 15 m/s

P = 23.5 BAR  
 T = 200 °C  
 F = 15.400 Kg/s  
 V = 25 m/s  
 CONDITIONS IN COMBINED CYCLE  
 AMBIENT AIR TEMPERATURE 15°C

P = 28/32 BAR  
 T = 15 °C  
 F = 16.445 Kg/s  
 V = 25 m/s

REV.	DATA	EMISSO	VERIFICATO	APPROVATO	DESCRIZIONE
E	24/11/97	PS	ZA	JS	REVISED AS BUILT
D	26/07/97	PS	ZA	JS	REVISED AS REQUEST BY ANSALDO (CAX 17/07/97)
C	16/02/97	PS	ZA	JS	REVISED AS REQUEST BY ANSALDO (CAX 09/02/97)
B	21/04/97	PS	ZA	JS	REVISED AS REQUEST BY ANSALDO MEETING 15/04/97
A	08/04/97	PS	ZA	JS	FIRST ISSUE

<b>Metano Impianti s.r.l.</b> milano - italy		Impianti ed apparecchiature per l'industria del gas e del petrolio	
CLIENTE:	ANSALDO ENERGIA	ORDINE N°:	0/C 222107/00
OGGETTO:	CENTRAL NEHUENCO	NATURAL GAS SYSTEM	
<b>P&amp;ID GAS STATION</b>			
Disegno di proprietà della Metano Impianti S.r.l. che tutela i propri diritti a rigore di legge			
COMM. N°:	1400/329	W. requirement of:	CAD: 2097PI-3 SCALE: 1:1 SHEET: 001 of 001
C AS BUILT - MODIFIED WHERE INDICATED		28.08.97	28.08.97
B REVISION		27.11.97	M.I.
A REVISION		28.08.97	M.I.
00 FIRST ISSUE		30.06.97	M.I.

<b>COLBUN</b>		ARCHIVO N.	REV
<b>CENTRAL NEHUENCO</b>			
<b>ANSALDO</b>		TITULO	
ANSALDO Energia s.p.a.		P. & I.D. NATURAL GAS STATION	
DIBUJO	VERIFICADO	TIPO DOC.	EMITIDO POR
ANSA	AO	TAMANO	ESCALA
PAJINA	DE	001	001
PLANO No. <b>0023 A 1 EK* S 204</b>			

ANSALDO  
 S=SIEMENS  
 E=ELECTROGAS  
 M=METANOIMPIANTI



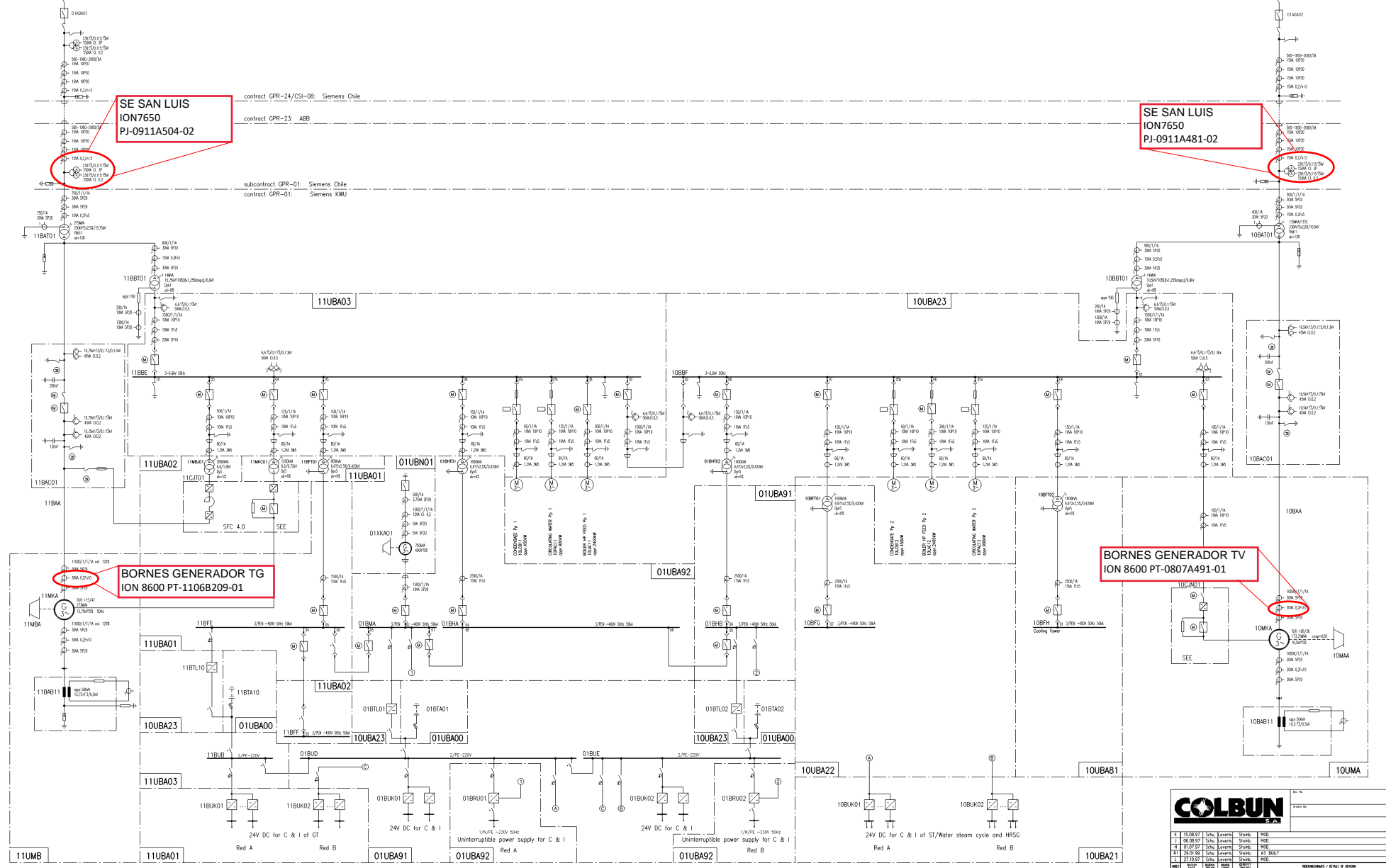
01ADA Vc: 220kV 50Hz Substation San Luis

SE SAN LUIS  
ION7650  
PJ-0911A504-02

SE SAN LUIS  
ION7650  
PJ-0911A481-02

BORNES GENERADOR TG  
ION 8600 PT-1106B209-01

BORNES GENERADOR TV  
ION 8600 PT-0807A91-01



**LEENDAS**

ADA SUBESTACION DE 150KV  
BAA BORNES DE FASE MEDIDA DEL CONECTOR  
BAC INTERRUPTOR DEL GENERADOR  
BAM ARRANQUE DE MUESTRA  
BBO1 TRANSFORMADOR PRINCIPALES  
BBO2 CELDAS SERVICIOS AUXILIARES DE 6KV CT  
BBO3 TRANSFORMADOR SERVICIOS AUXILIARES UNINDO  
BET CELDAS SERVICIOS AUXILIARES DE 60KV  
BFE CELDAS SERVICIOS AUXILIARES DE 60KV  
BFS CELDAS SERVICIOS AUXILIARES DE 60KV  
BFT TRANSFORMADOR SERVICIOS AUXILIARES DE 60KV  
BFW TRANSFORMADOR SERVICIOS AUXILIARES DE 60KV  
BIB TRANSFORMADOR SERVICIOS AUXILIARES DE 60KV  
BIA INVERTIDOR ESTADICO  
BIB BATERIA DE 220V  
BIC CARGADOR DE BATERIAS DE 220V

230V switchgear  
Generator breaker  
Generator circuit breaker  
Gas neutral point circuit  
Unit main transformer  
400V LVH switchgear CT  
400V LVH switchgear ST  
400V LVH switchgear ST/Water steam cycle  
400V LVH switchgear cooling tower  
Low voltage transformer  
400V Static transformer  
Low voltage transformer  
400V Emergency switchgear  
Static inverter  
220V Battery  
220V Battery charger

BUB CELDAS SERVICIOS AUXILIARES 220V C.C.  
BVA CELDAS SERVICIOS AUXILIARES 220V C.C.  
BCC CONECTOR DE CABLES  
CAM ARRANQUE DE EXCITACION DE LA TURBINA DE VAPOR  
COTI CONECTOR DE CABLES  
LAC BOMBA DE AGUA DE ALIMENTACION DE ALTA PRESION  
LCO BOMBA DE CONDENSACION  
LUB TURBINA DE VAPOR  
MBA TURBINA DE VAPOR  
MCC CONECTOR DE ARRANQUE  
MCO GENERADOR  
MCO1 UNIDAD DE EXCITACION  
MCC UNIDAD DE EXCITACION  
MCC BOMBA DE AGUA DE REFRIGERACION PRINCIPAL  
MCC BOMBA DE EXTRACCION DE HIEGOS  
MCO1 MOTOR DISCO DE EMERGENCIA

220V DC LVH switchgear CT  
220V DC LVH switchgear ST, water steam cycle and HRSG  
DC cabinet  
DC cabinet  
Feed-water pump ST  
Condensate pump  
Steam turbine  
Gas turbine  
SEC LVH  
Generator  
Excitation unit  
Main cooling water pump  
Fire fighting pump  
Emergency diesel set

**COLBUN**  
S.A.

X	15.06.97	Sch. Levant.	Standa	PROO
I	15.06.97	Sch. Levant.	Standa	PROO
II	01.07.97	Sch. Levant.	Standa	PROO
III	29.07.97	Sch. Levant.	Standa	PROO
L	27.10.97	Sch. Levant.	Standa	PROO
M	01.08.97	Sch. Levant.	Standa	PROO

REVISIONES / DETALLE DE REVISION

Revisión	Fecha	Descripción	Elaborado	Revisado
1	01.08.97	SE SAN LUIS	CHL142	
2	01.08.97	SE SAN LUIS	CHL142	
3	01.08.97	SE SAN LUIS	CHL142	
4	01.08.97	SE SAN LUIS	CHL142	
5	01.08.97	SE SAN LUIS	CHL142	

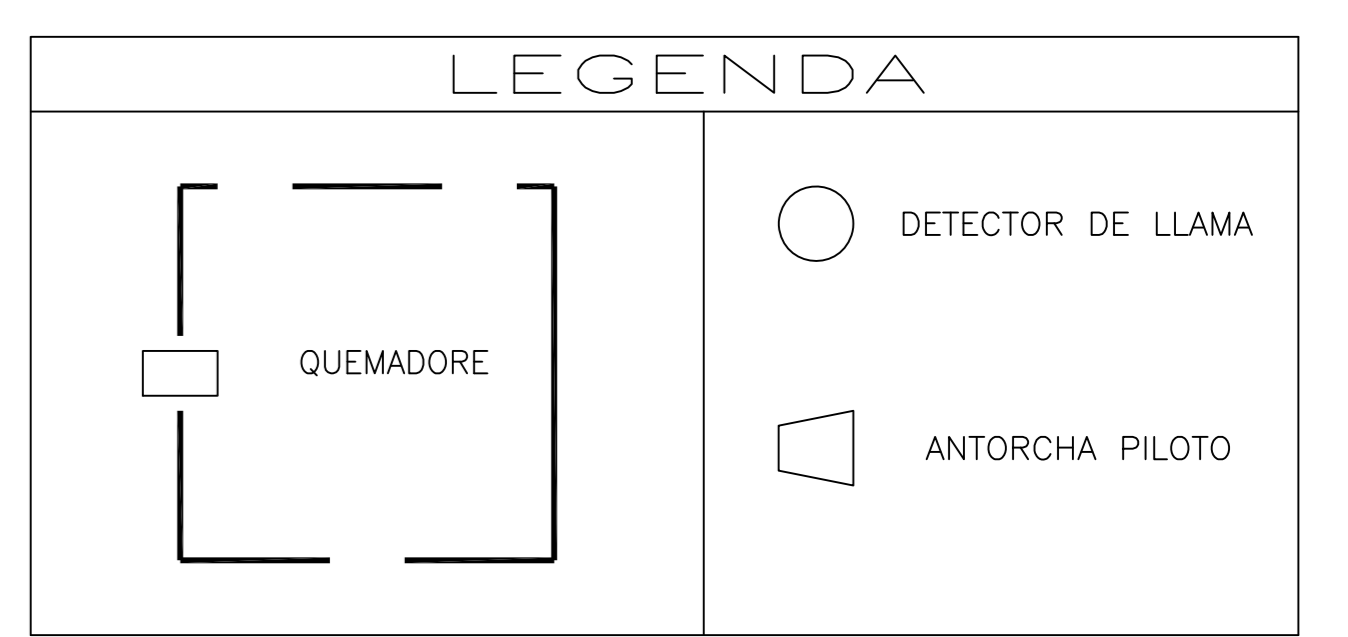
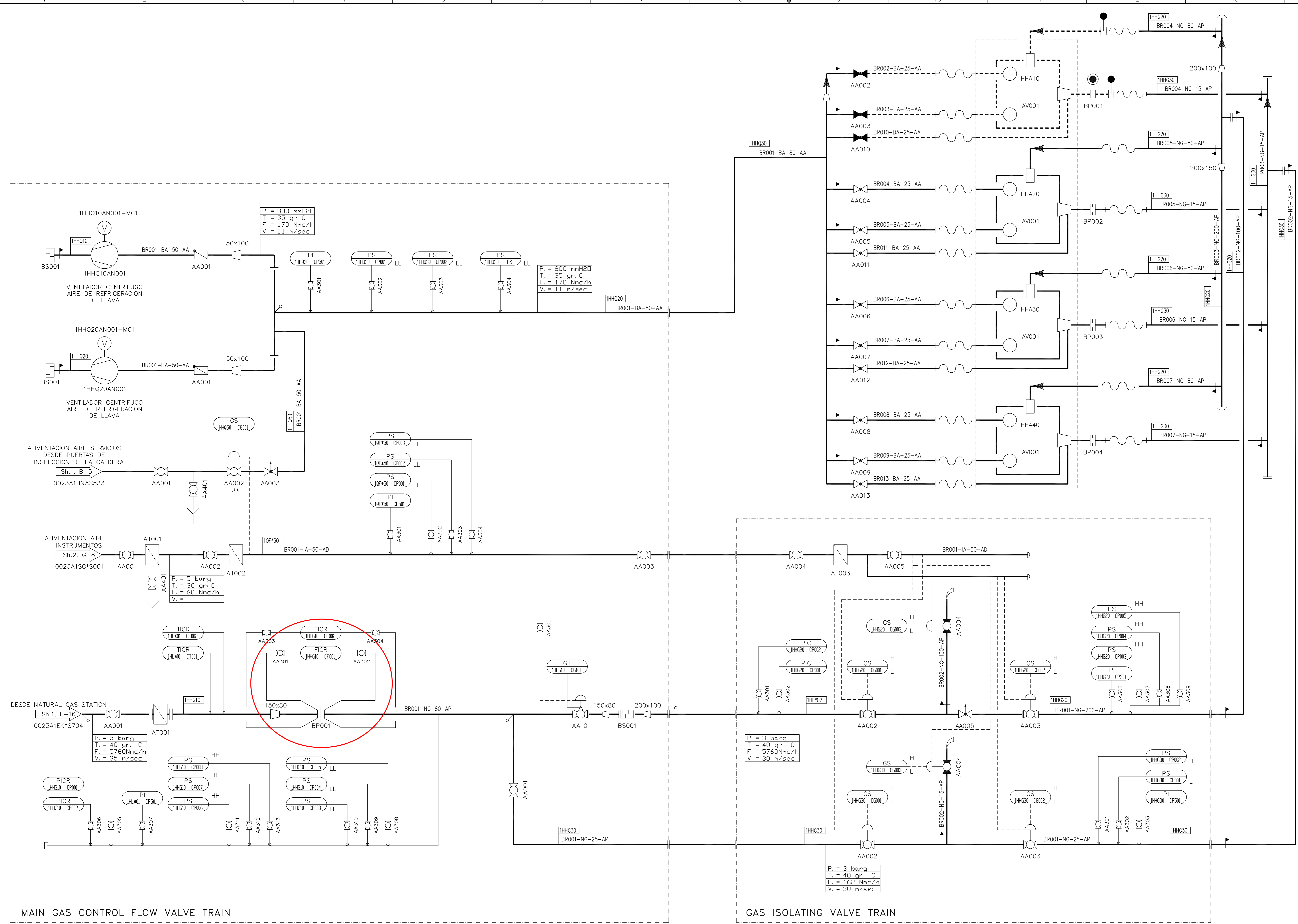
**CENTRAL NEHUENCO** CHL142

ESQUEMA UNILINAR  
VOLT 194.3A A 10ST  
SINGLE LINE DIAGRAM

Siemens AG  
Energietechnik GmbH

FTE2 5878048

CHL142-FTE2-00-00011-R1  
**PAGINA 457/462**



MAIN GAS CONTROL FLOW VALVE TRAIN

GAS ISOLATING VALVE TRAIN

REV	DESCRIPCION	FECHA	DEBIDO	VERIFICADO	APROBADO
00	PRIMERA EMISION	02-97			

**COLBUN** S.A.

DOC. N.   
 ARCHIVO N.   
 REV

**CENTRAL NEHUENCO**

TITULO   
 CALDERA A RECUPERACION DE CALOR   
 SISTEMA QUEMADORES DE LA CALDERA   
 - HHG - P&ID

**ANSALDO**   
 Ansaldo Energia s.p.a.

DIBUJO	NOMBRE	FECHA	TIPO DOC.	EMITIDO POR	TAMANO	ESCALA	PAGINA	DE
VERIFICADO		02-97	PID	IC - CAR	AD	1:1	001	001
APROBADO		02-97						

PLANO No. **0023 A 1 HL S 503**

PROPERTY OF ANSALDO ENERGIA NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED





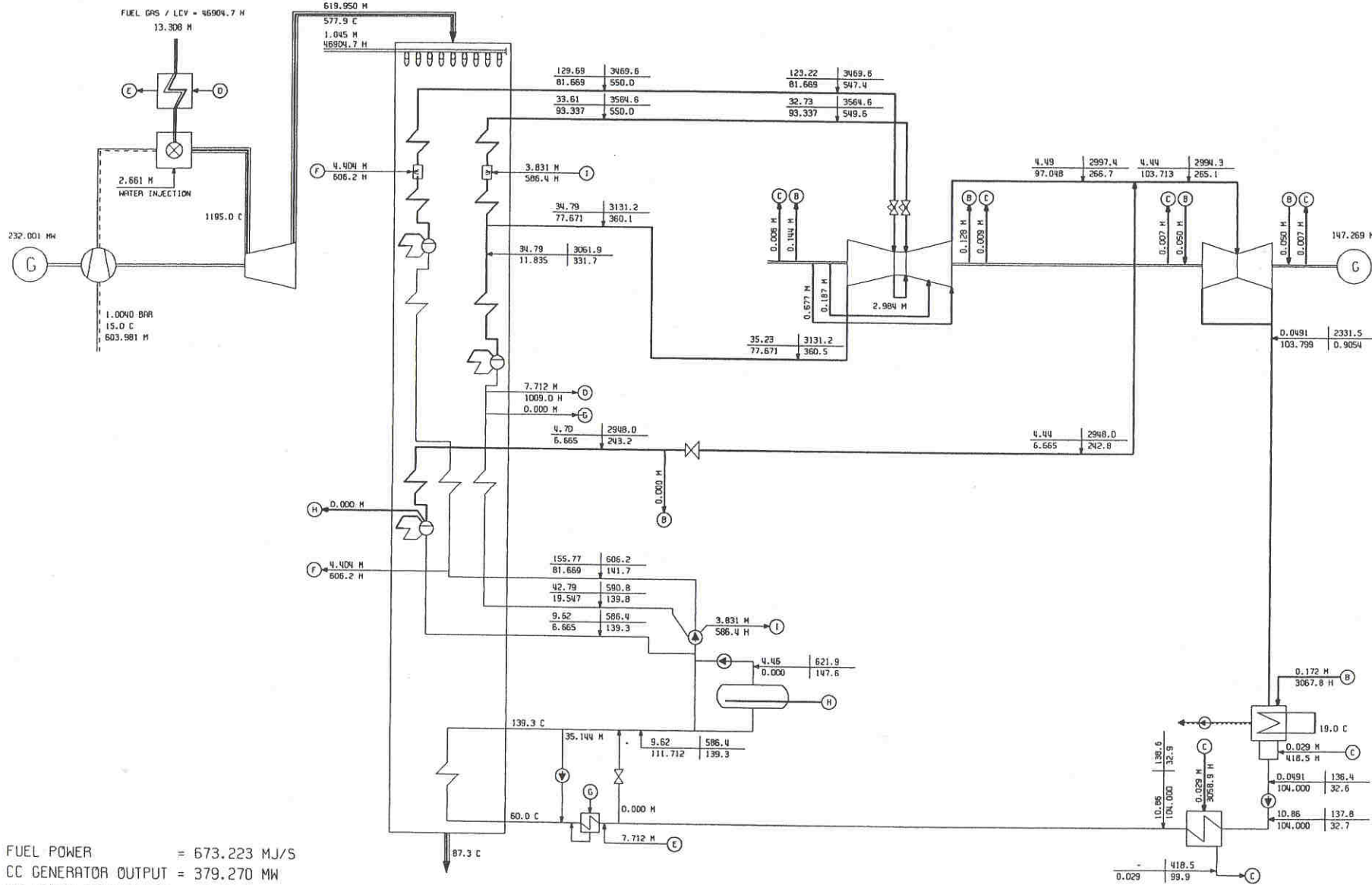
## A – 6 Esquema de Balances Térmicos

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OPERACIÓN y MANTENIMIENTO INDUSTRIAL

*Flujo Energía Limitada*

Nueva York 53 Oficina 61 - Santiago



FUEL POWER = 673.223 MJ/S  
 CC GENERATOR OUTPUT = 379.270 MW  
 CC GROSS EFFICIENCY = 56.34 %

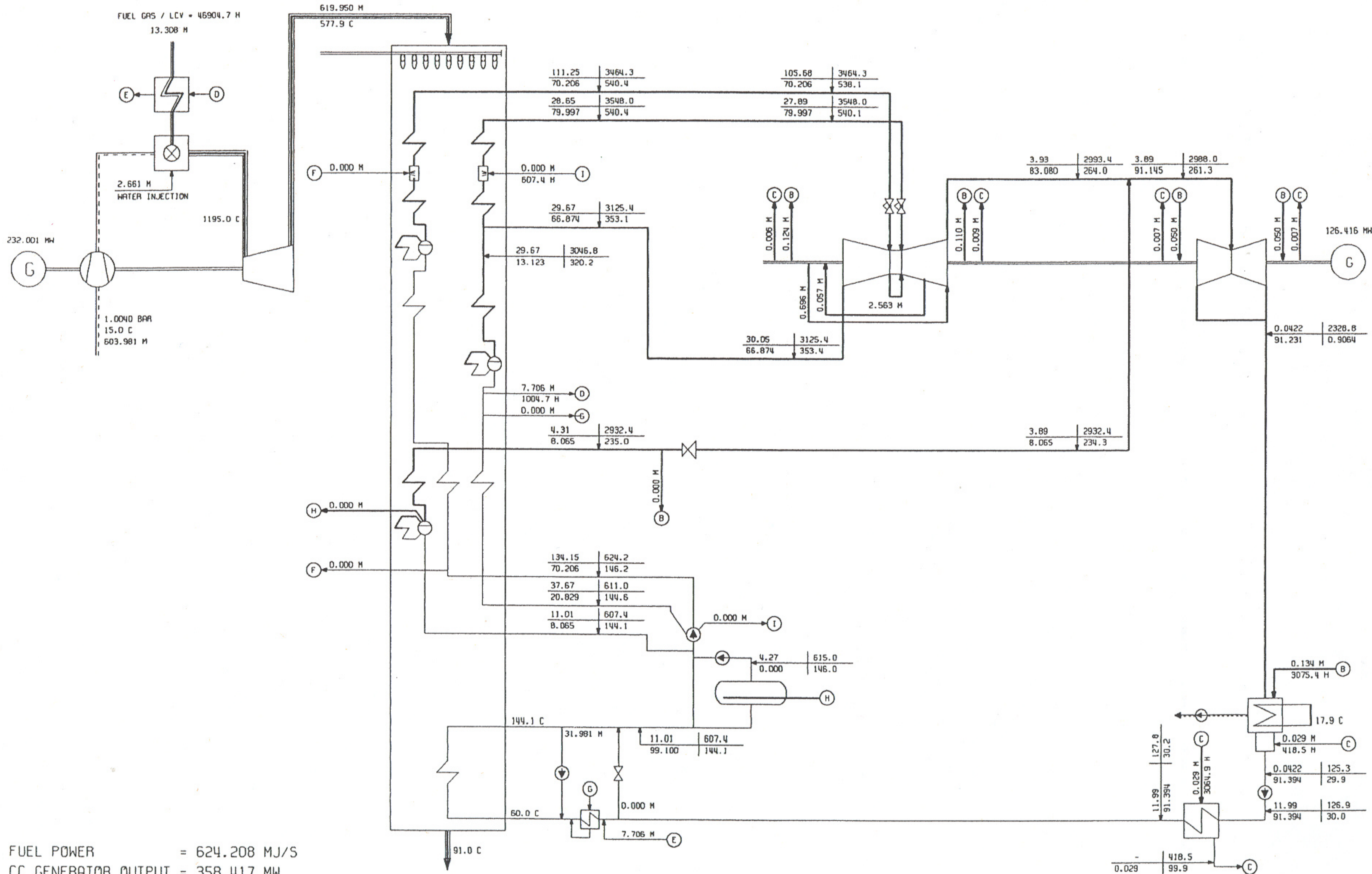
- FOR INFORMATION ONLY
- WORKING SHEET
- ⊗ GUARANTEE

*Let Fe...*

BAR	KJ/KG
KG/S	°C (X)

M.. MASS FLOW..KG/S  
 H.. ENTHALPY..KJ/KG  
 T.. TEMPERATURE..°C

<b>CCPP NEHUENC0</b> 1.V94.3A, 100% GT LOAD 15 °C, 60% RH, 74 m, SUPPL. FIRING	
HEAT FLOW DIAGRAM NR. 031163-FTP2-T1002 ERLANGEN, 10.05.1996 MA	SIEMENS KWU FTP2



FUEL POWER = 624.208 MJ/S  
 CC GENERATOR OUTPUT = 358.417 MW  
 CC GROSS EFFICIENCY = 57.42 %

- FOR INFORMATION ONLY
- WORKING SHEET
- ⊗ GUARANTEE

*Andrés Tr...*

BAR | KJ/KG  
 KG/S | °C (X)  
 M..MASS FLOW..KG/S  
 H..ENTHALPY..KJ/KG  
 T..TEMPERATURE..°C

<b>CCPP NEHUENCO</b> 1.V94.3A, 100% GT LOAD 15 °C, 60% RH, 74m	
HEAT FLOW DIAGRAM NR. 031163-FTP2-G1001 ERLANGEN, 10.05.1996 MA	<b>SIEMENS AG</b> KWU FTP2