
ESTUDIO DE SINTONIZACIÓN DE ESTABILIZADORES DE SISTEMAS DE POTENCIA (PSS)

ANEXO B Informe Preliminar

GERENCIA DE OPERACIÓN

Abril 2024



Estudio de Sintonización de Estabilizadores de Sistemas de Potencia (PSS)
Informe preparado por el Departamento de Estudios Eléctricos

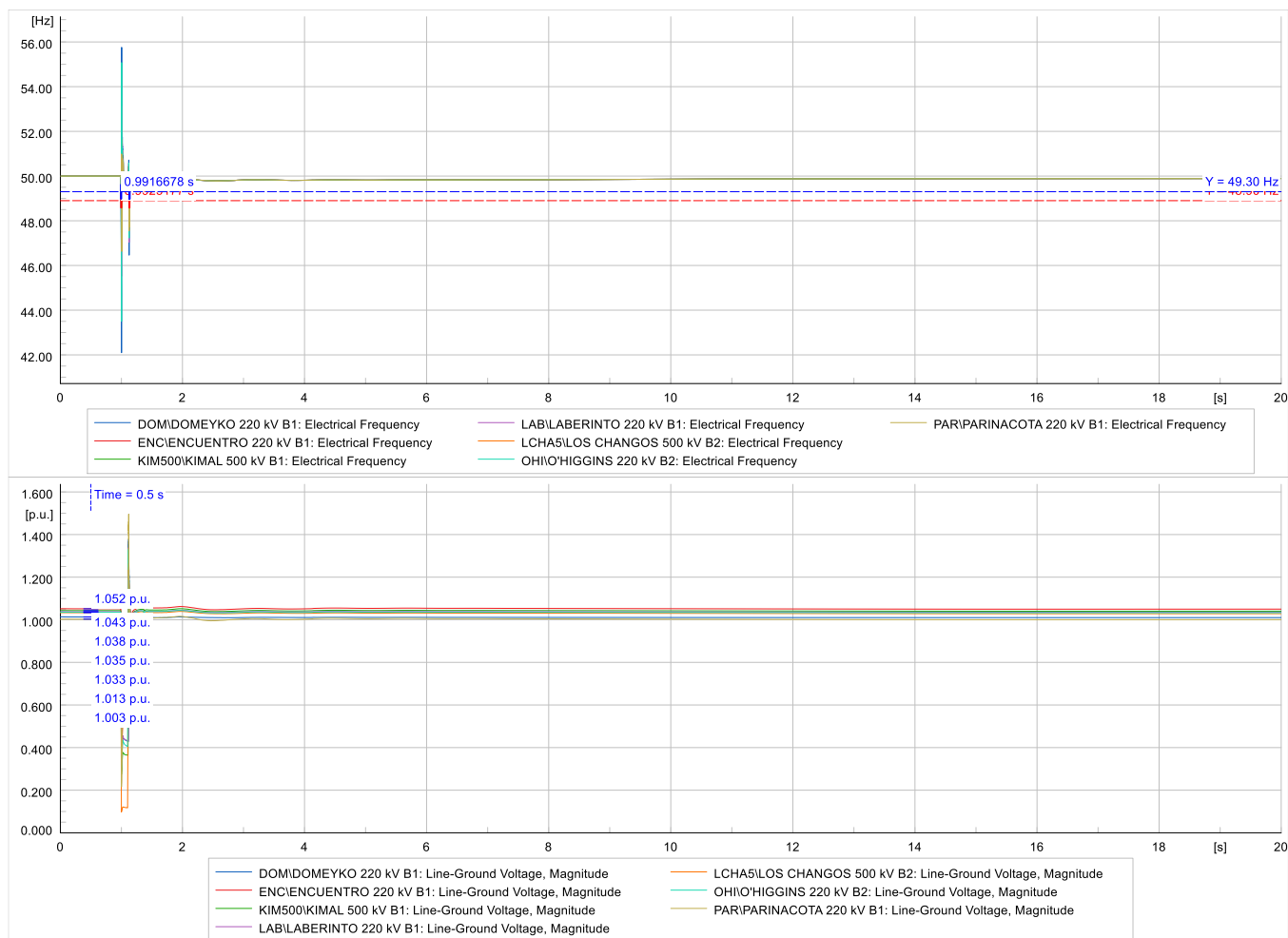
Rev.	Fecha	Comentario	Realizó	Revisó / Aprobó
1	19-04-2024	Anexo B Informe Preliminar	Carlos Alvear Hernán Barra C. Michelle Cajas R. Marcelo Cifuentes R. Carlos Prieto C	Víctor Velar

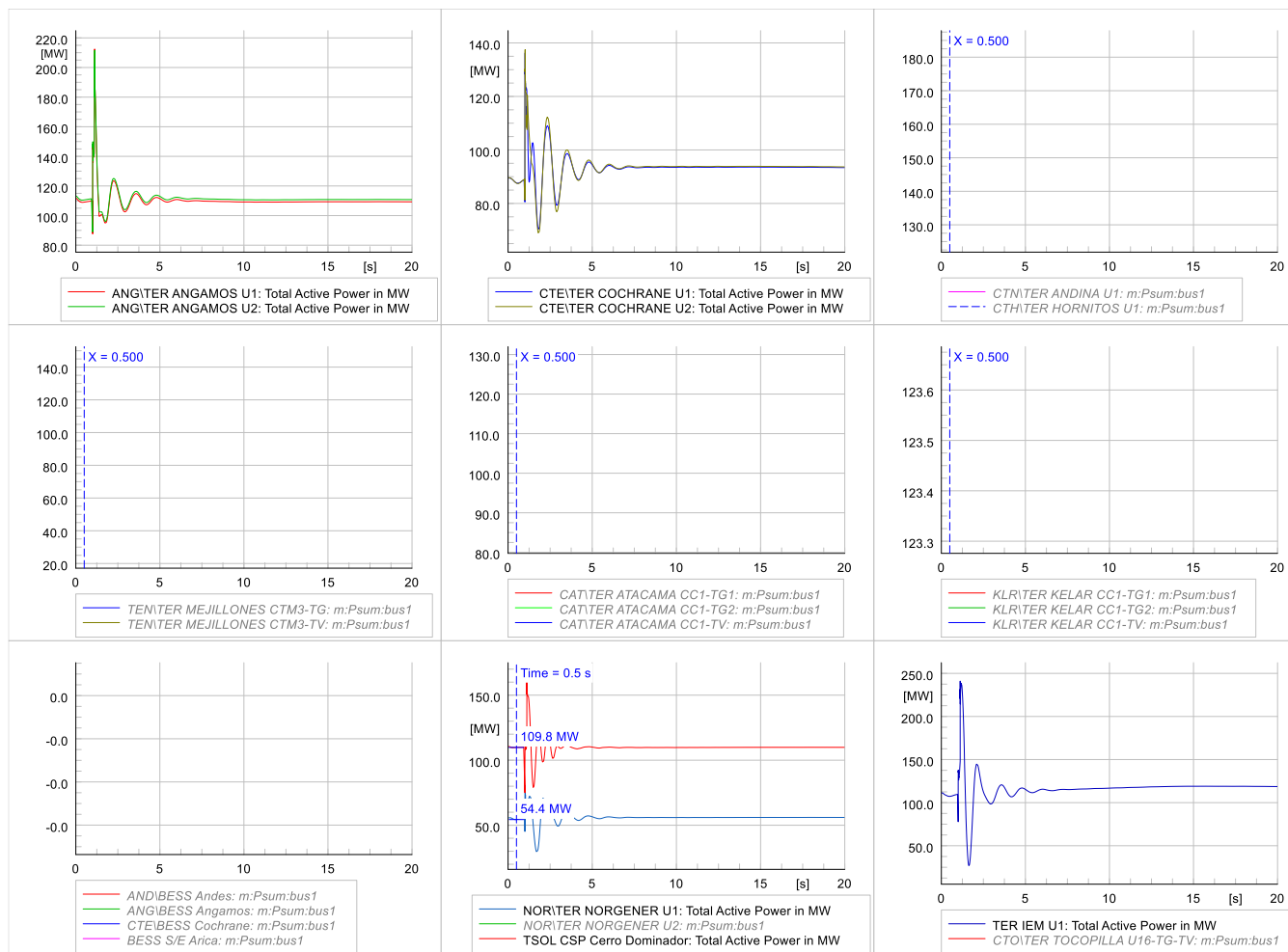
Índice

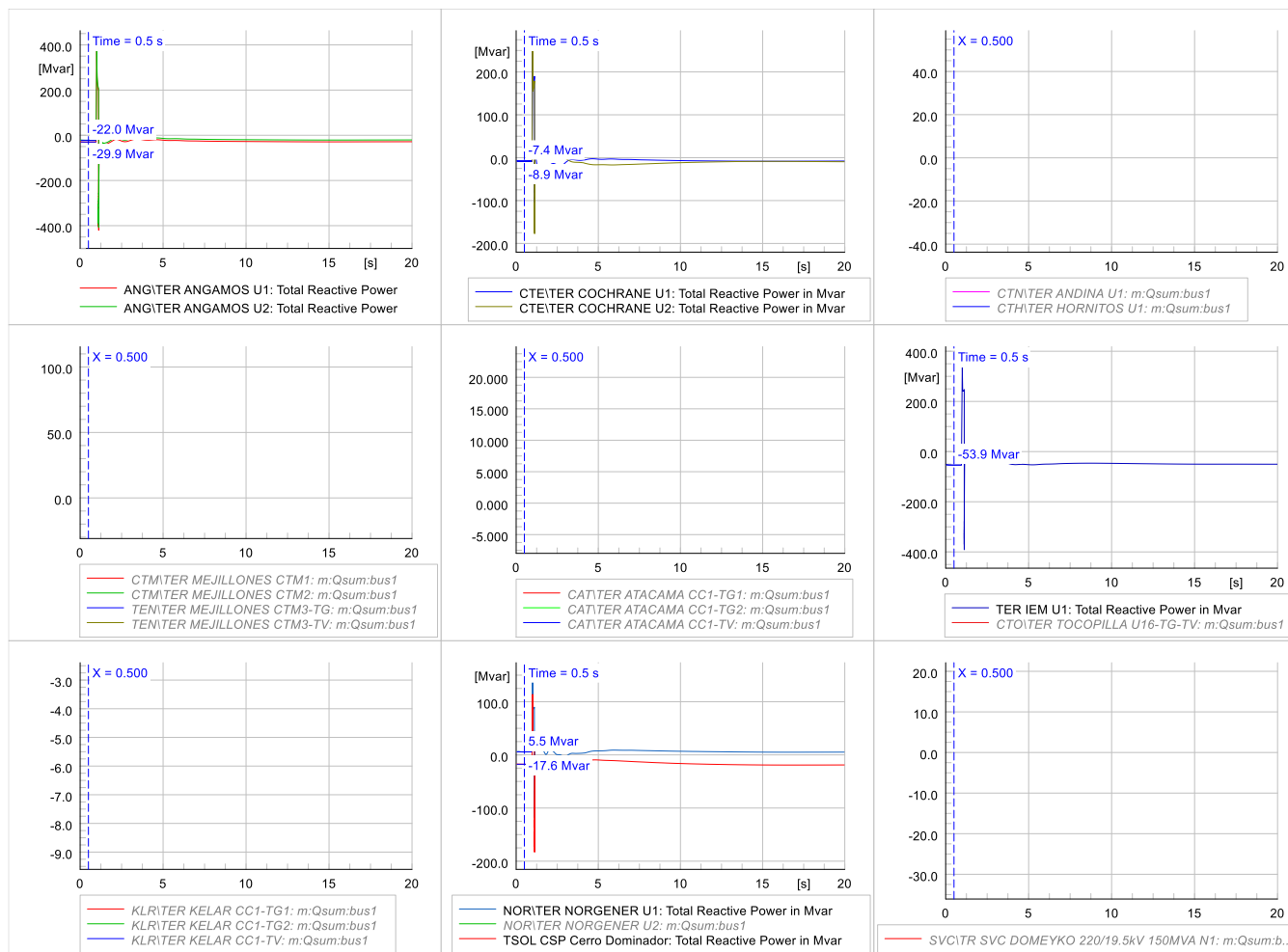
17	RESULTADOS SIMULACIONES DINÁMICAS	4
17.1	E1 2024_03_04 DA 16 Hrs.- Los Changos – Parinas 500kV.....	4
17.2	E1 2024_03_04 DA 16 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV	25
17.3	E1 2024_03_04 DA 16 Hrs.- Ancoa - Charrúa 500kV	46
17.4	E2 2024_12_09 DA 22 Hrs.- Los Changos - Parinas 500Kv.....	66
17.5	E2 2024_12_09 DA 22 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV	87
17.6	E2 2024_12_09 DA 22 Hrs.- Ancoa - Charrúa 500kV	108
17.7	E3 2024_04_07 DB 19 Hrs.- Los Changos - Parinas 500kV.....	129
17.8	E3 2024_04_07 DB 19 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV	152
17.9	E3 2024_04_07 DB 19 Hrs.- Ancoa - Charrúa 500kV	173
17.10	E4 2024_12_09 DB 5 Hrs.- Los Changos - Parinas 500kV	194
17.11	E4 2024_12_09 DB 5 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV	215
17.12	E4 2024_12_09 DB 5 Hrs.- Ancoa - Charrúa 500kV	236

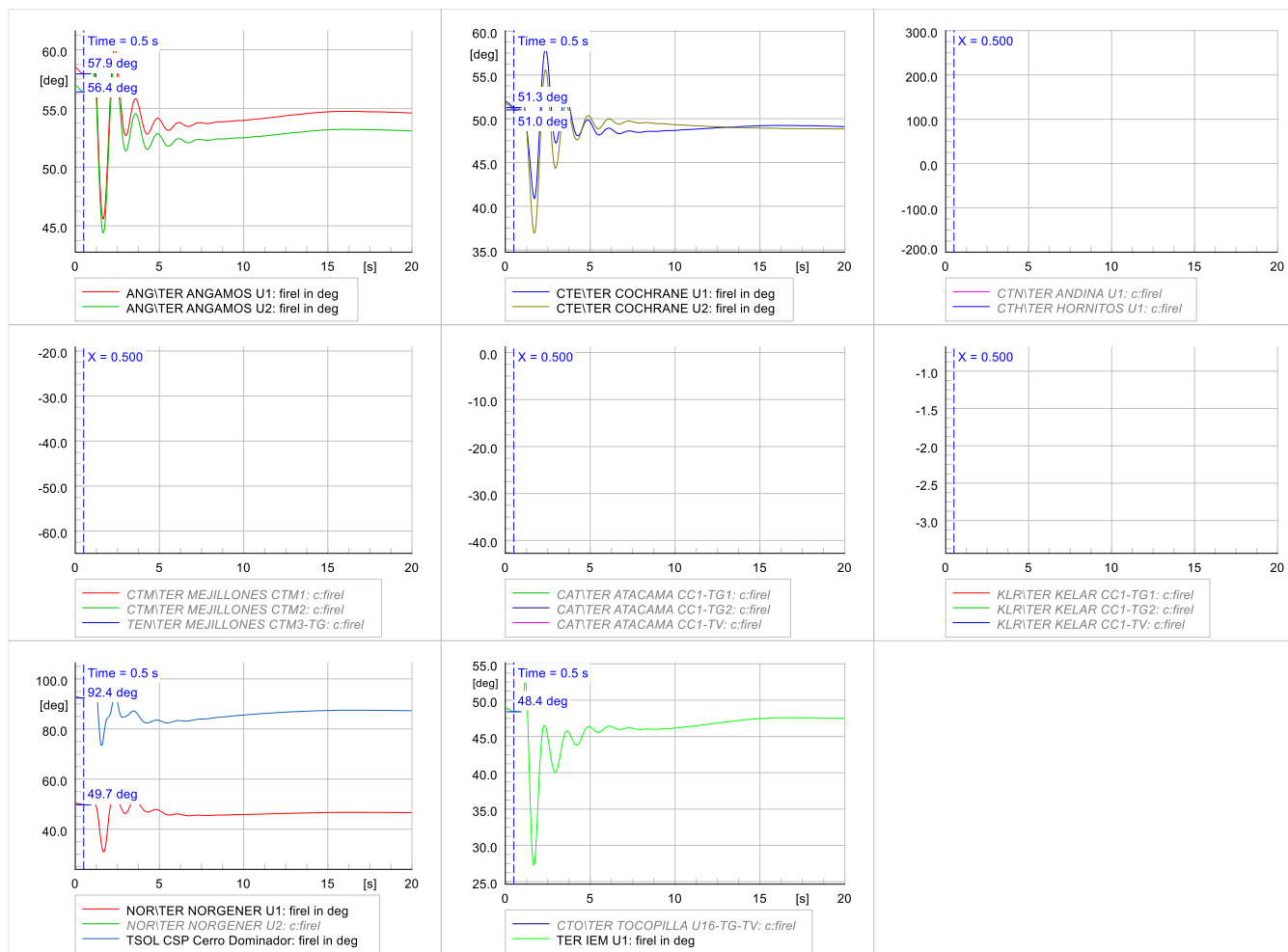
17 RESULTADOS SIMULACIONES DINÁMICAS

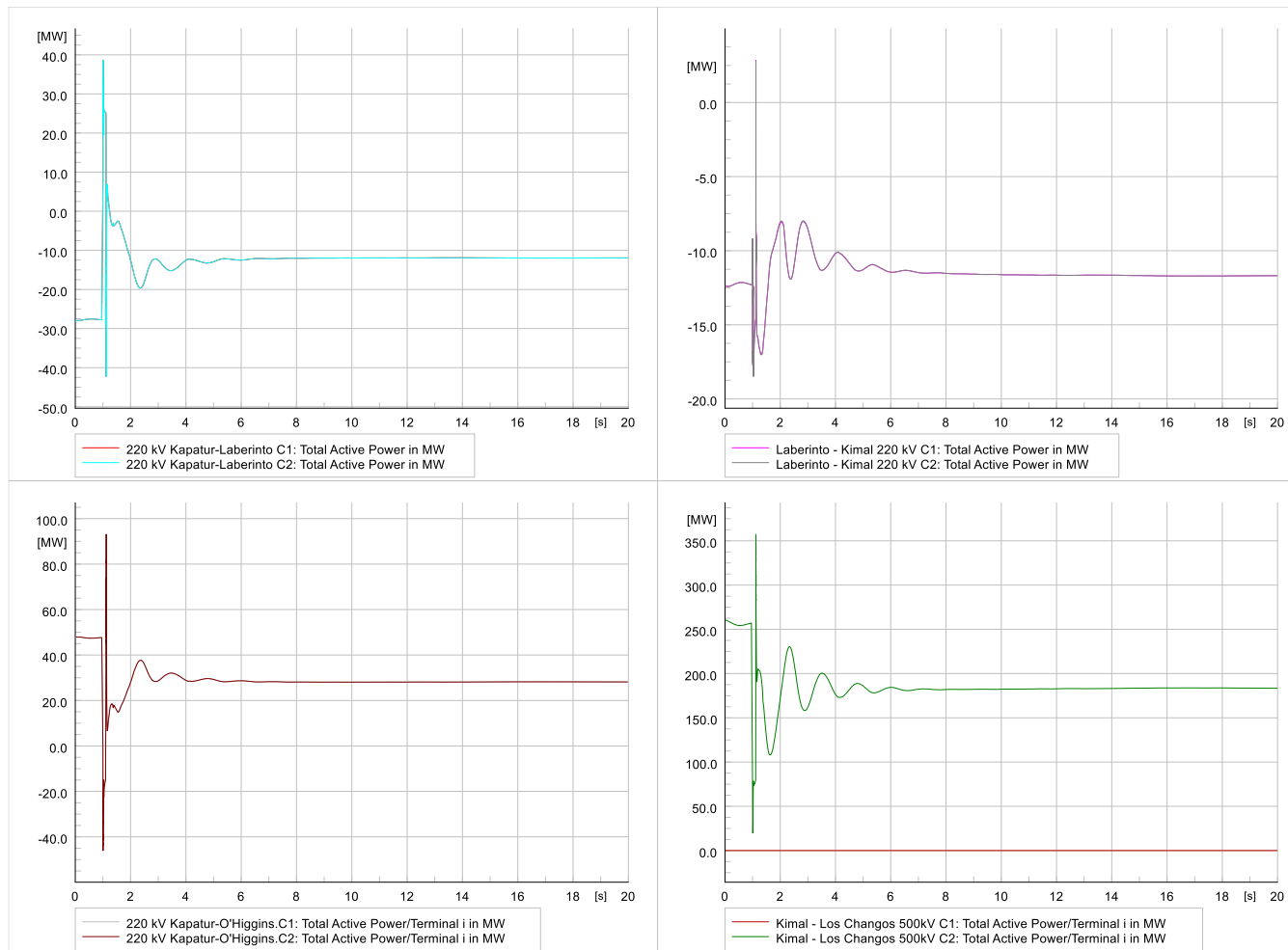
17.1 E1 2024_03_04 DA 16 Hrs.- Los Changos – Parinas 500kV

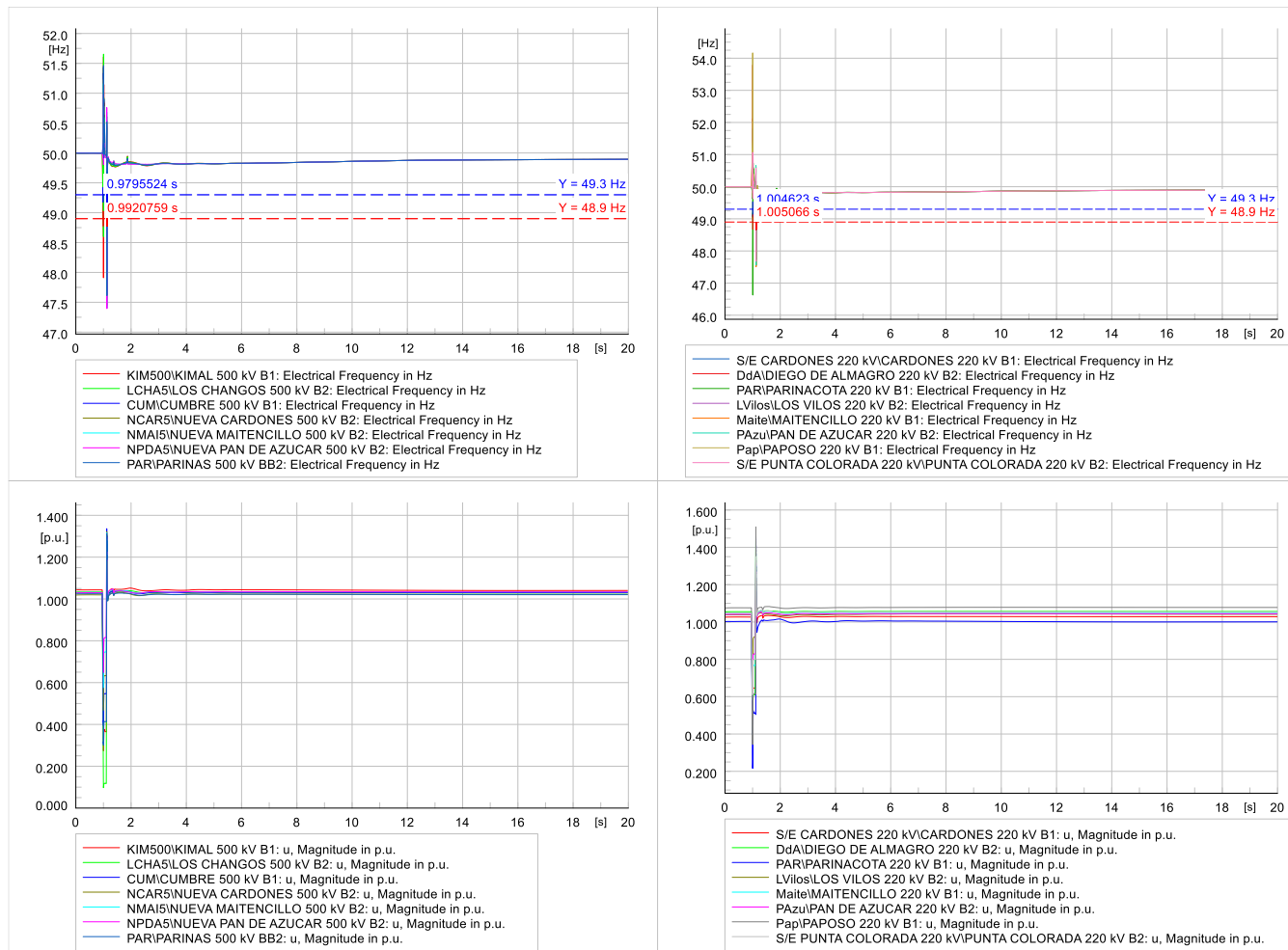


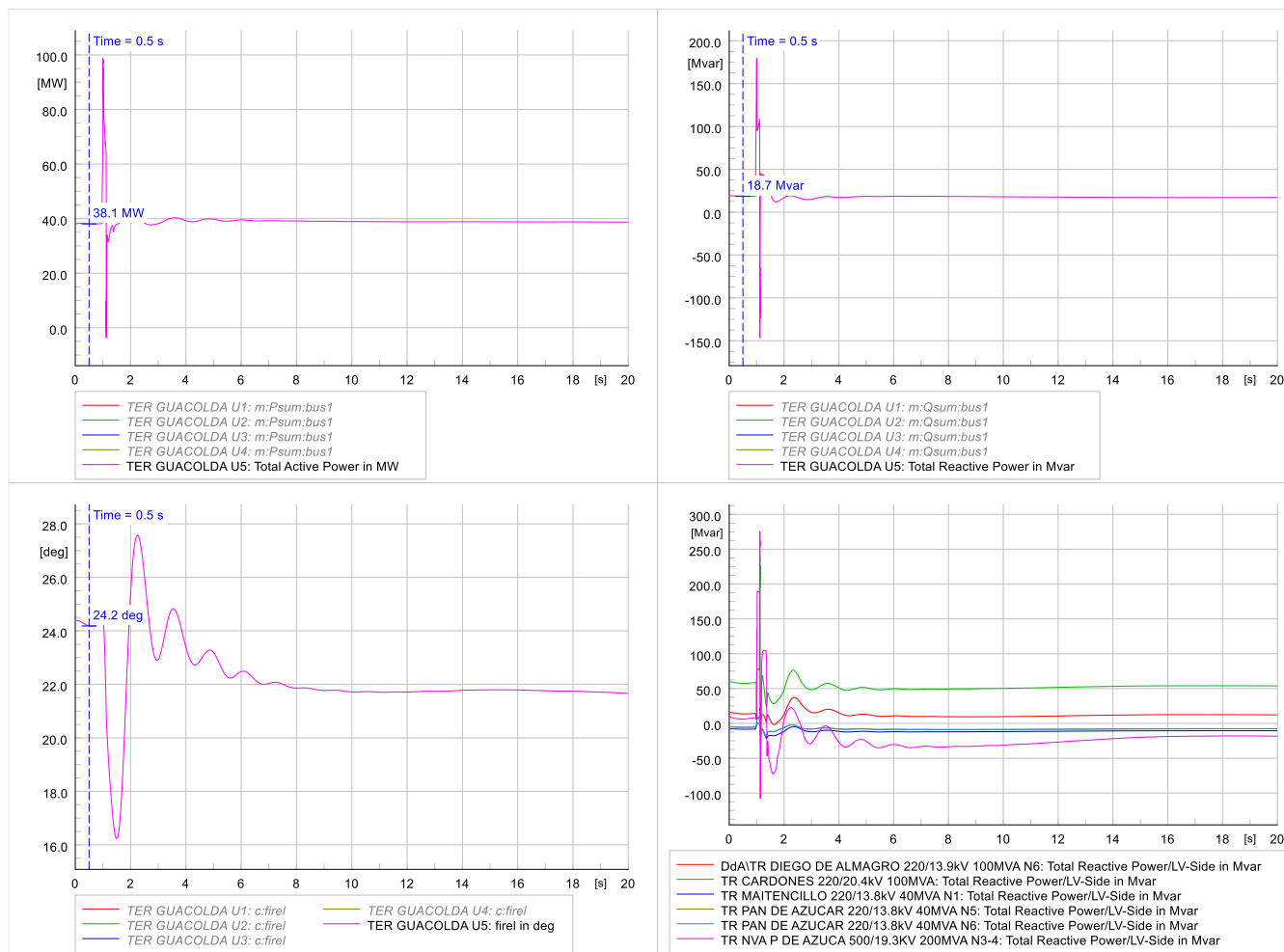


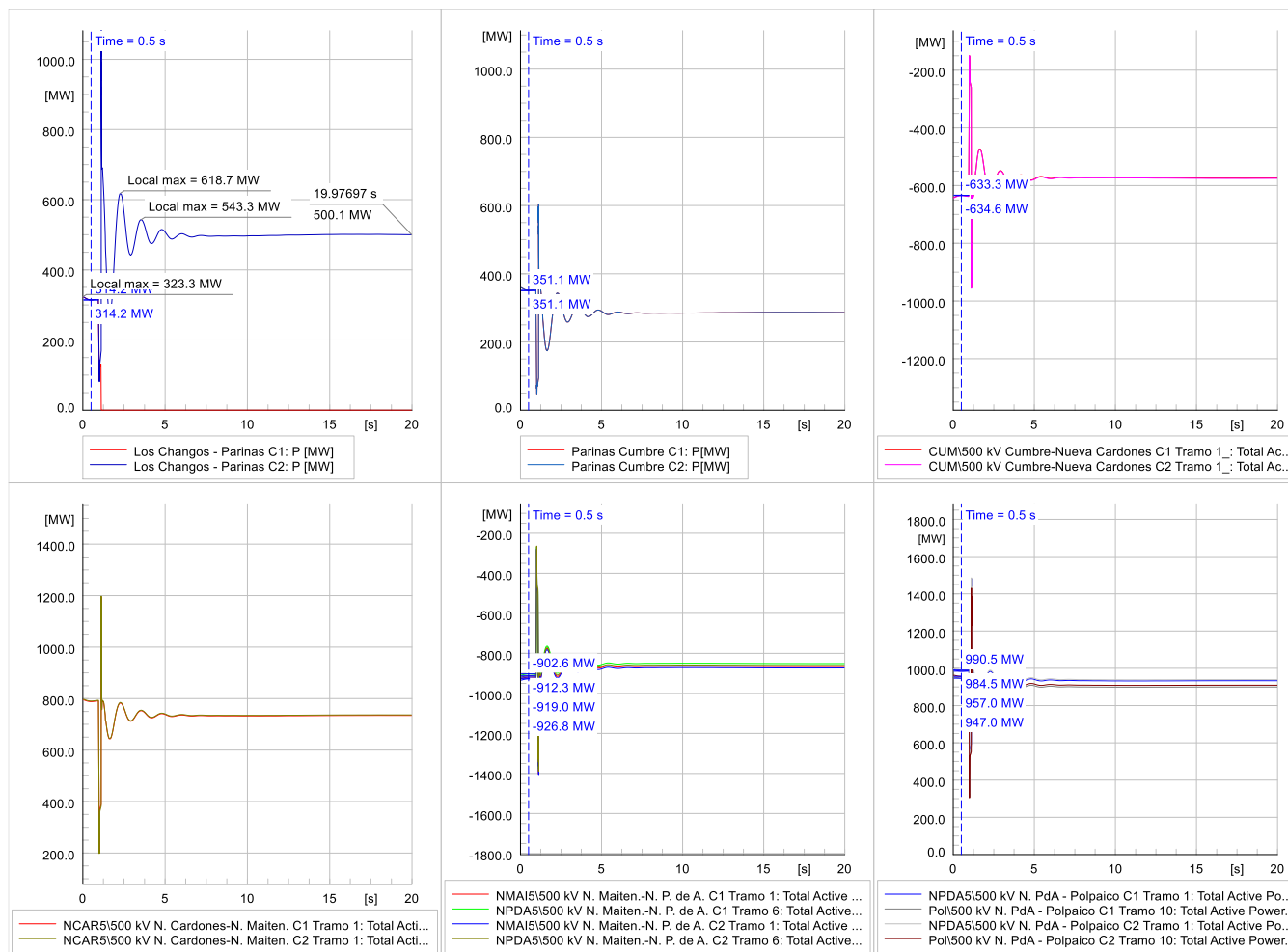


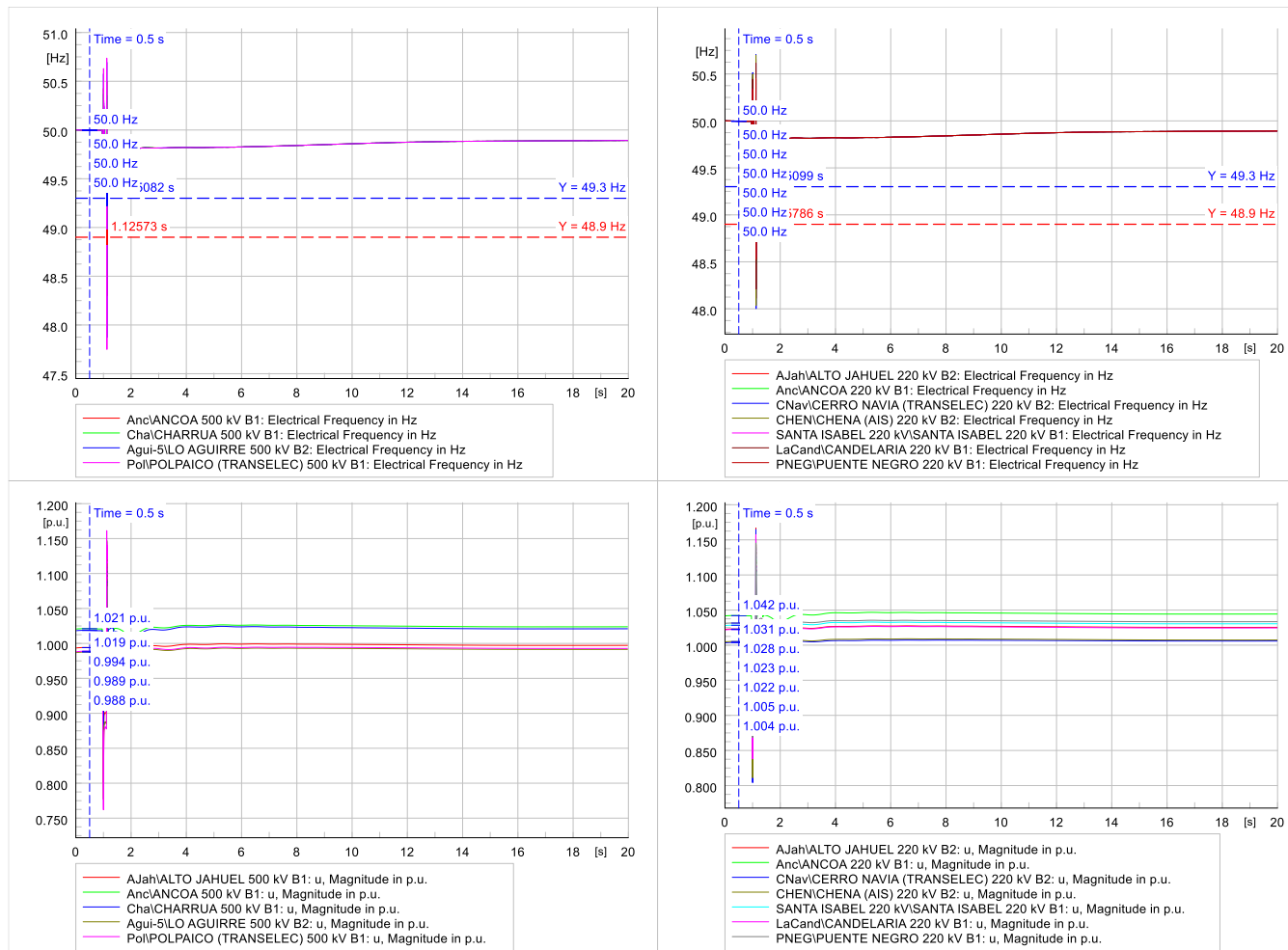


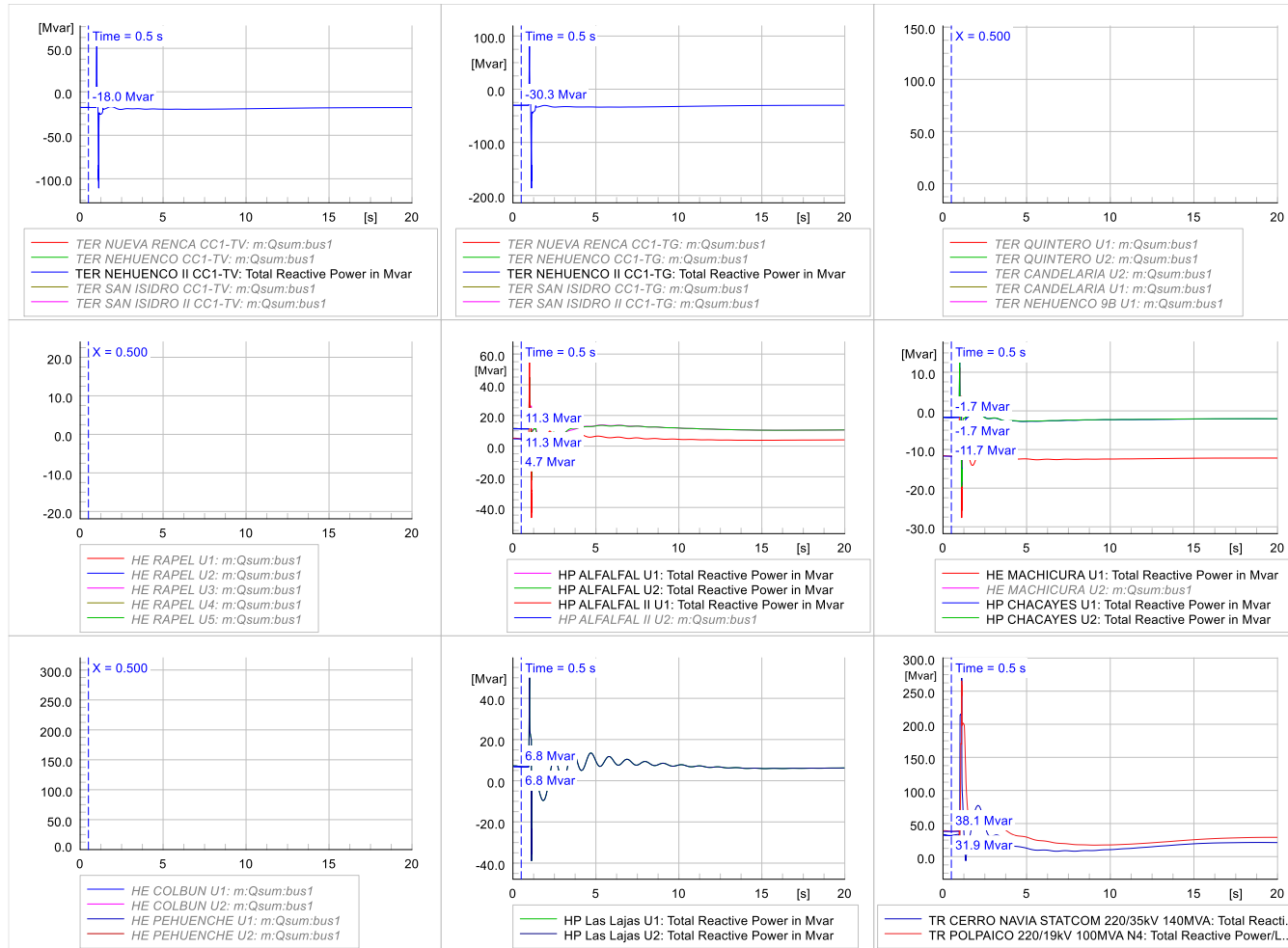


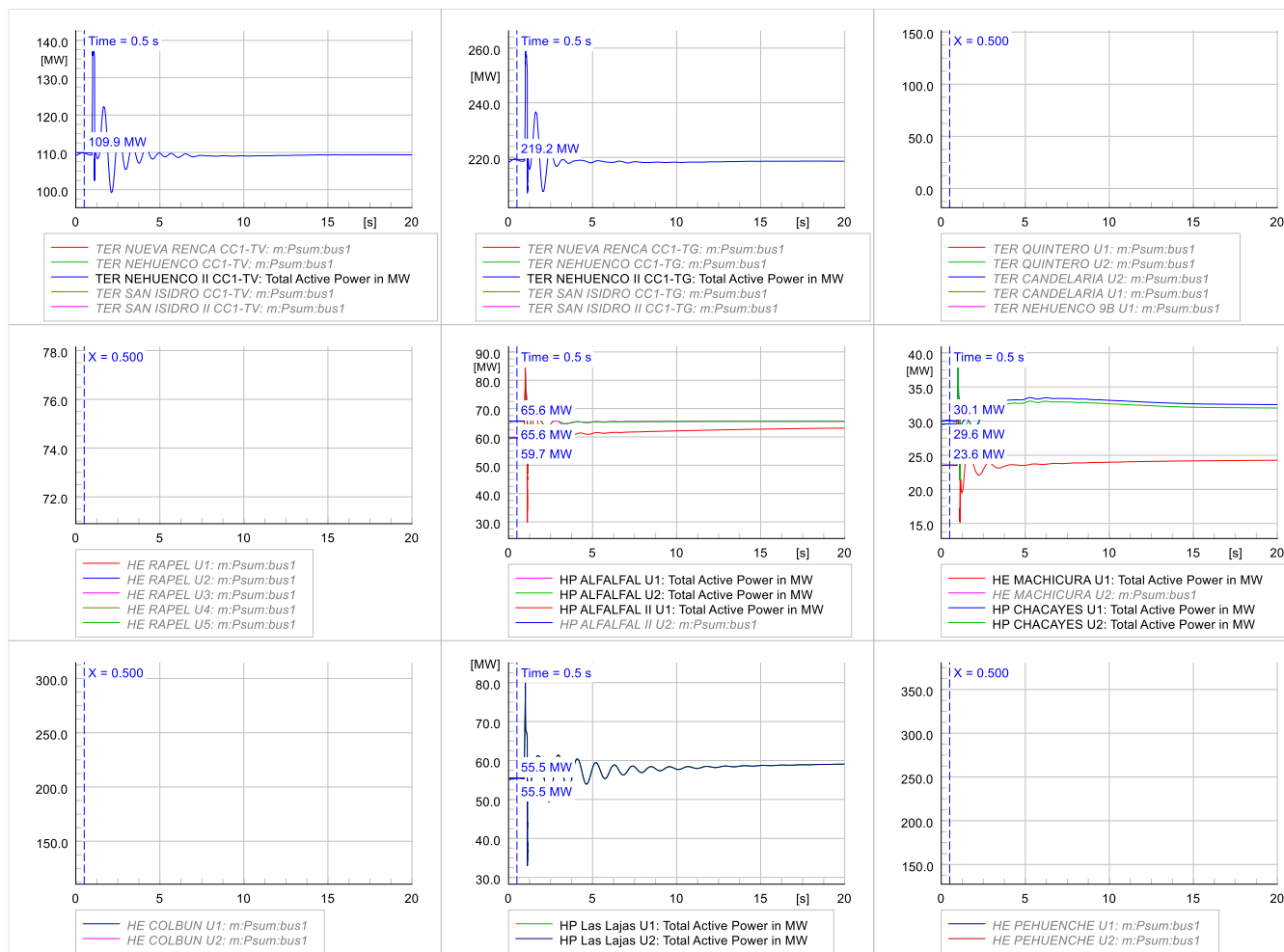


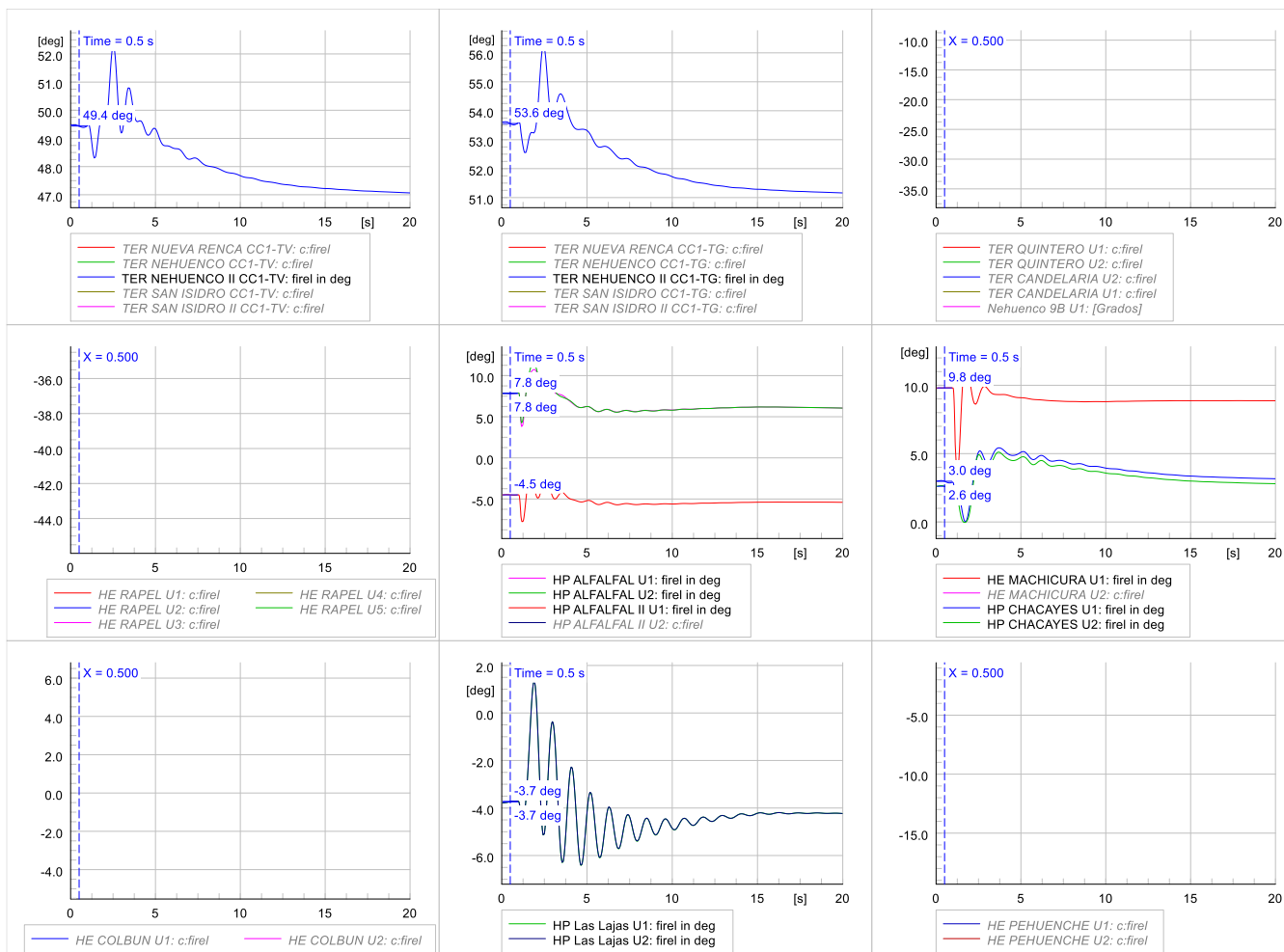


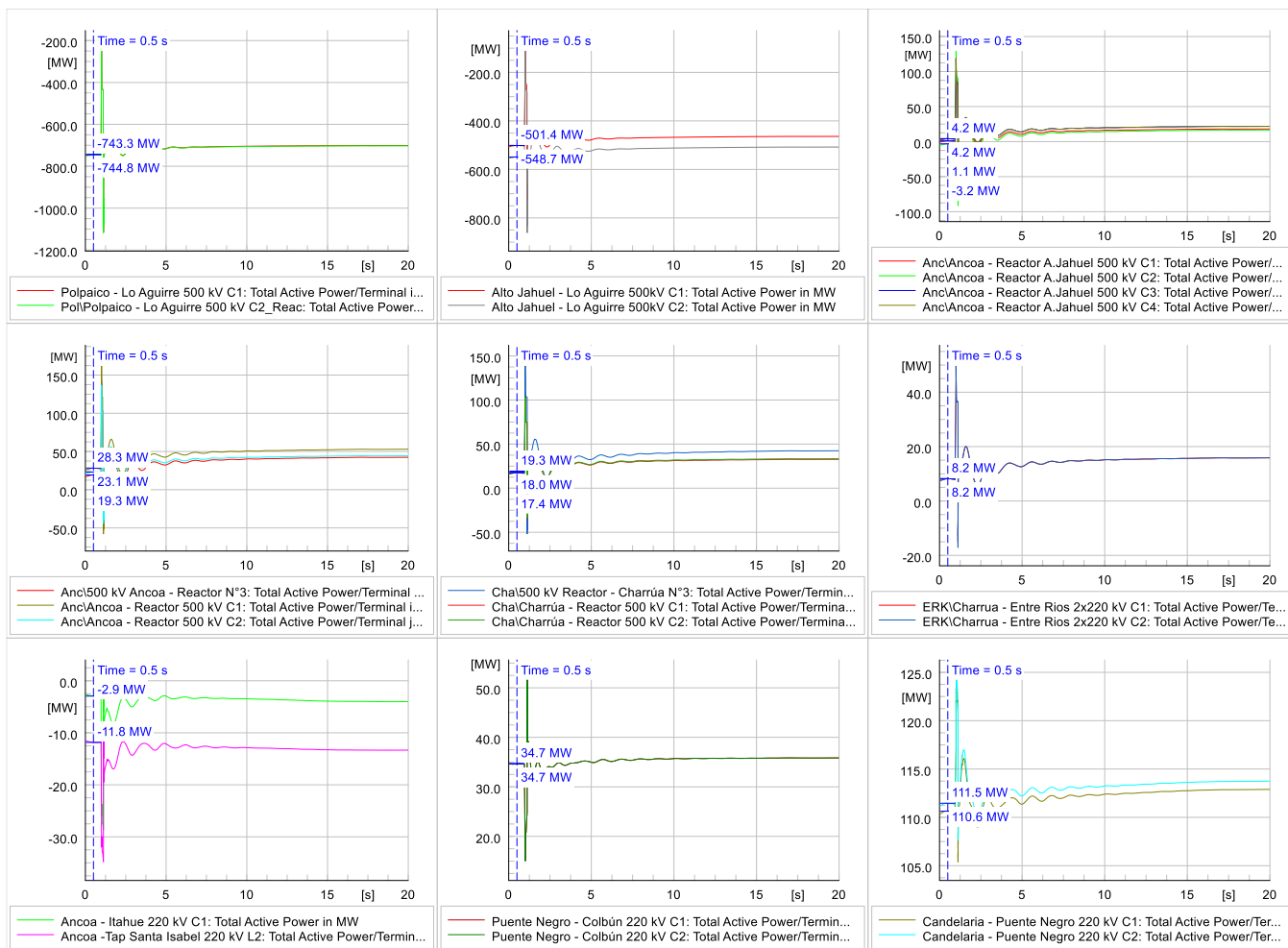


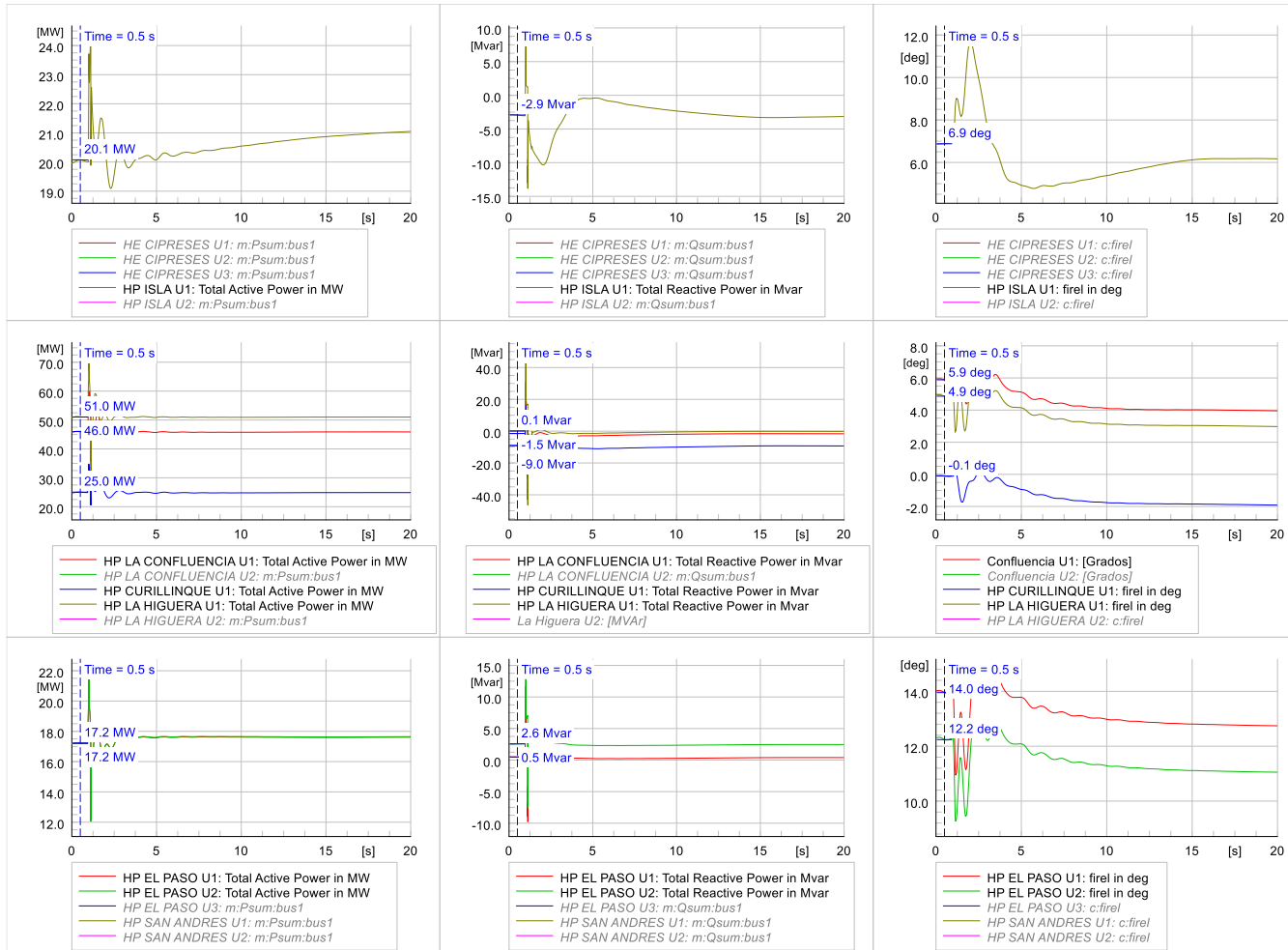


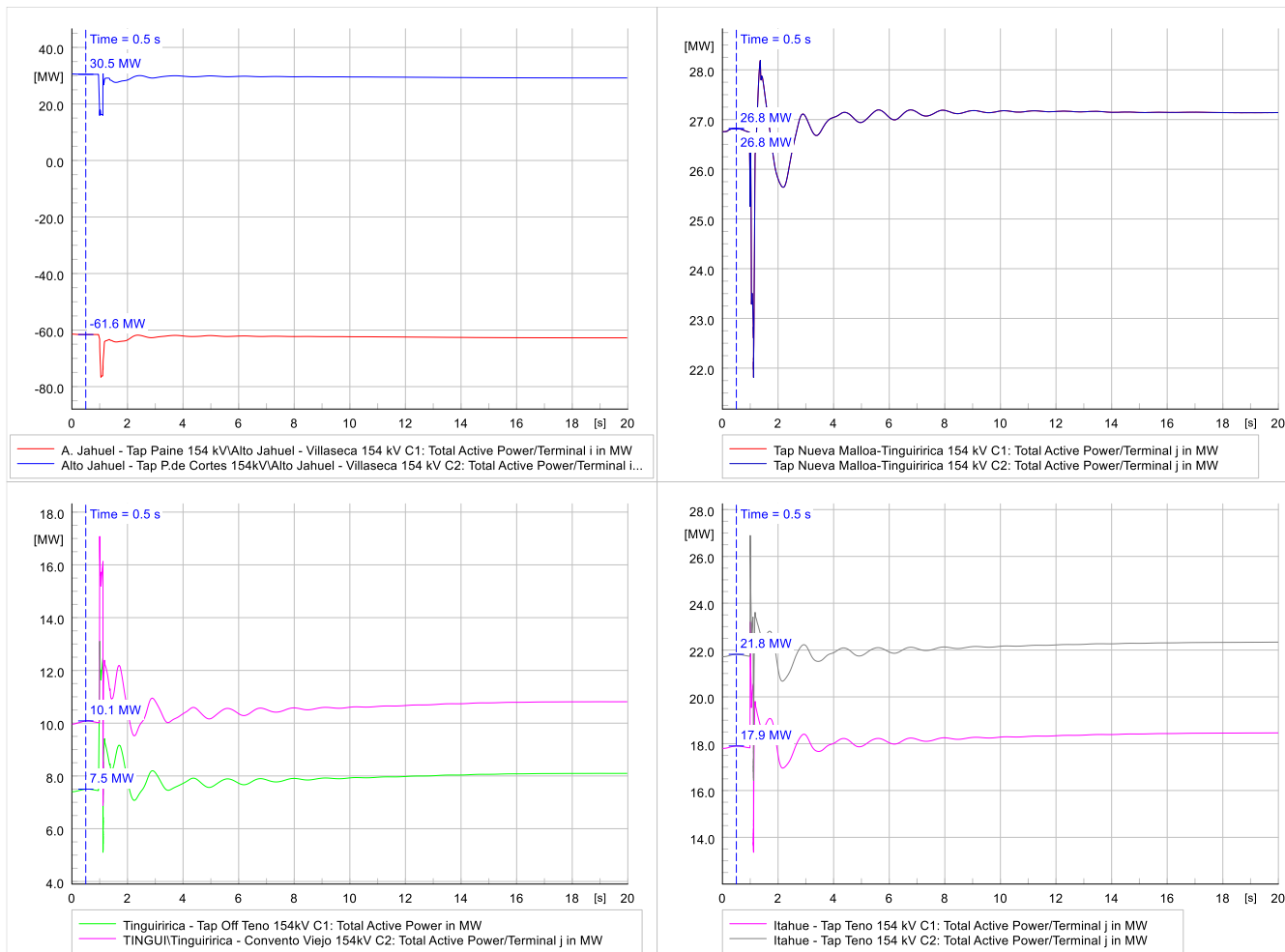


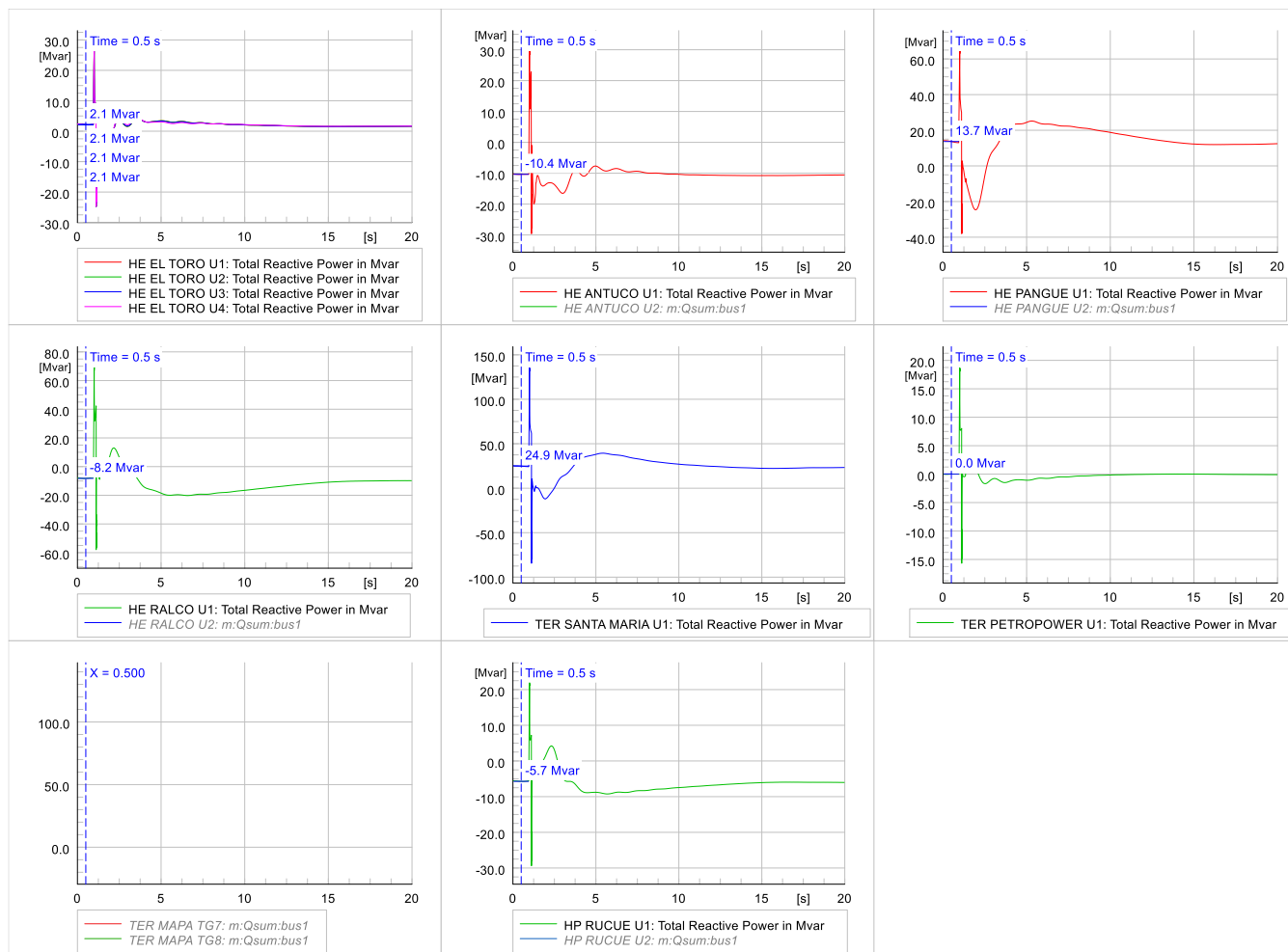


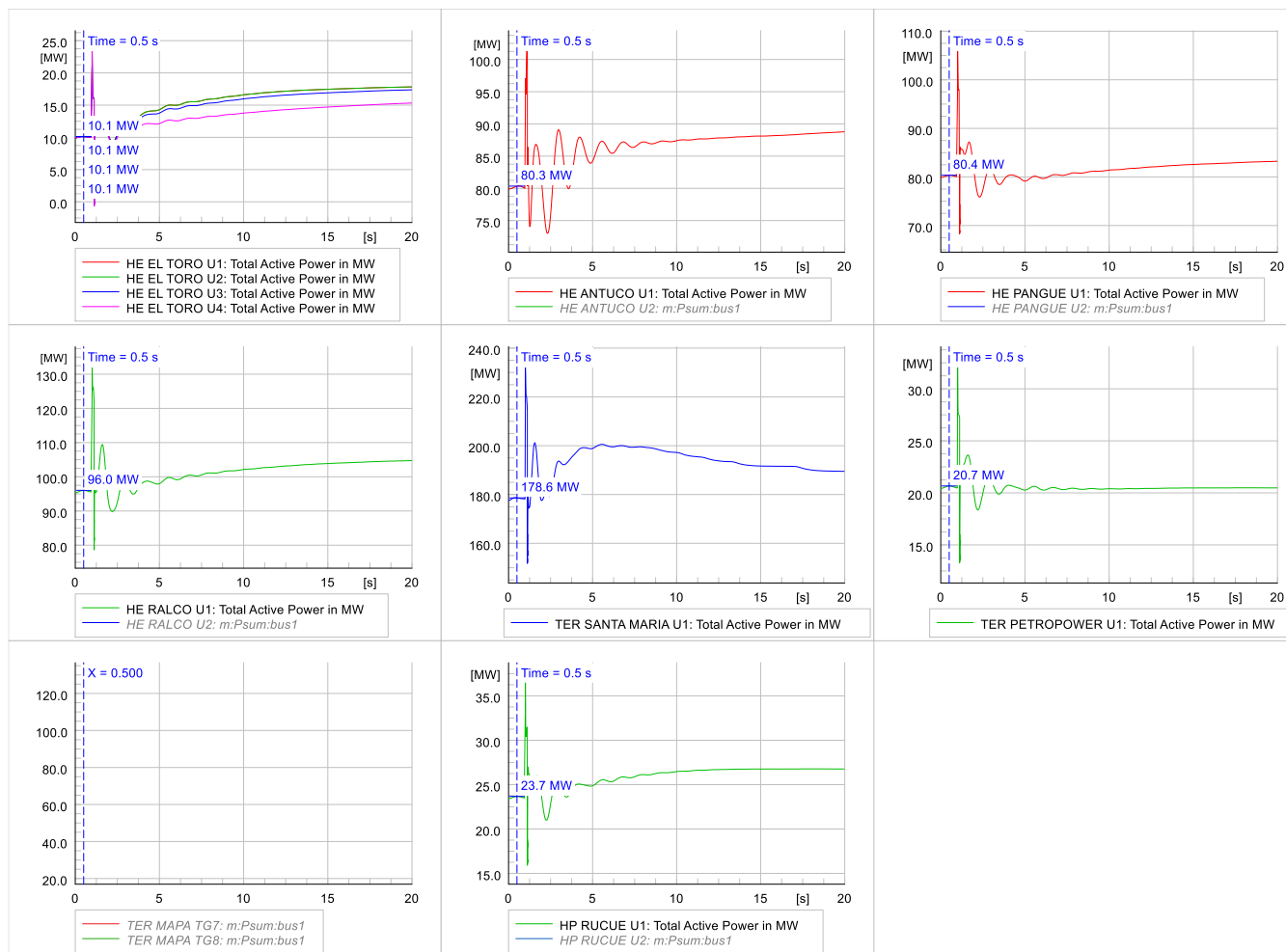


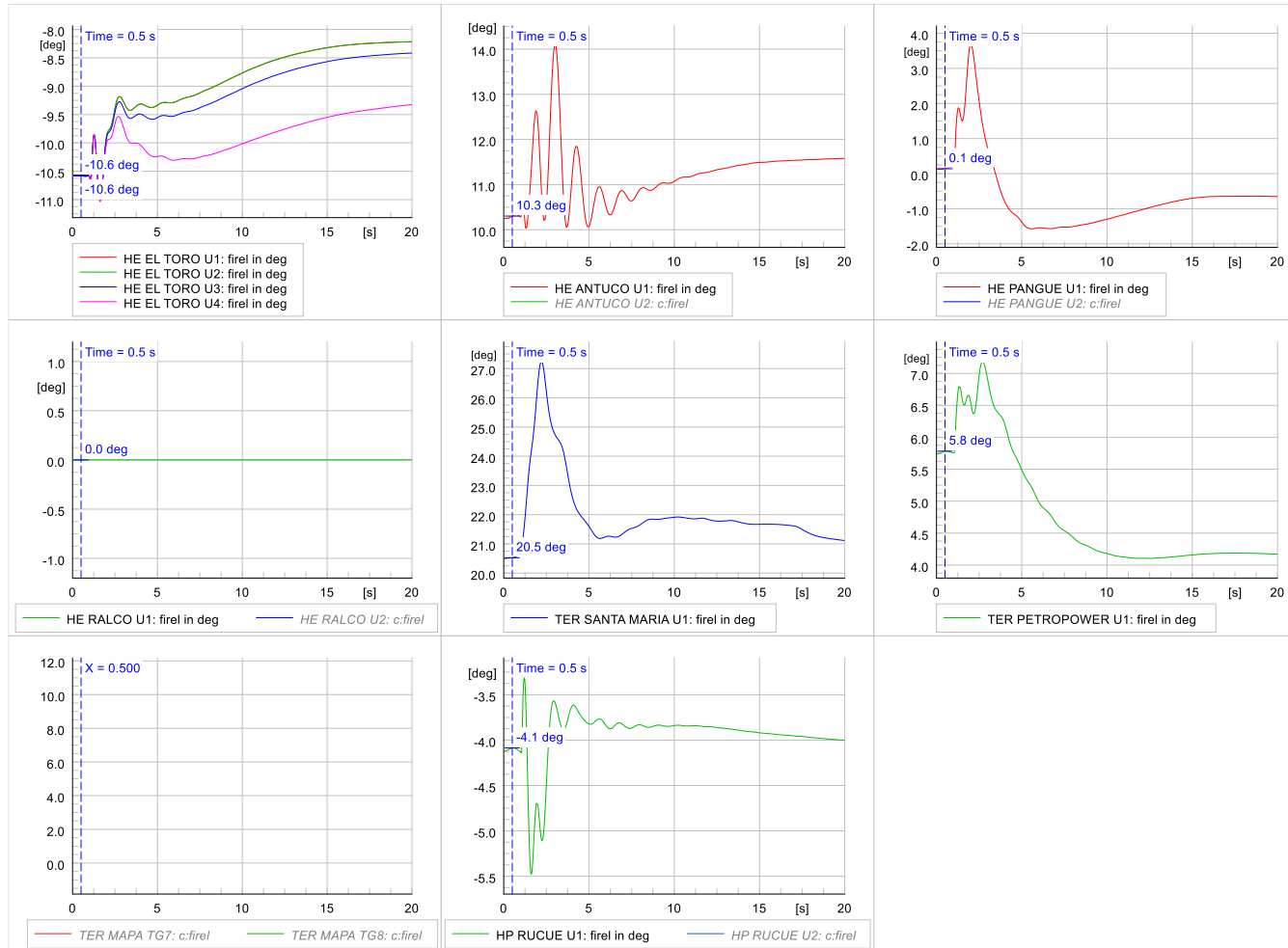


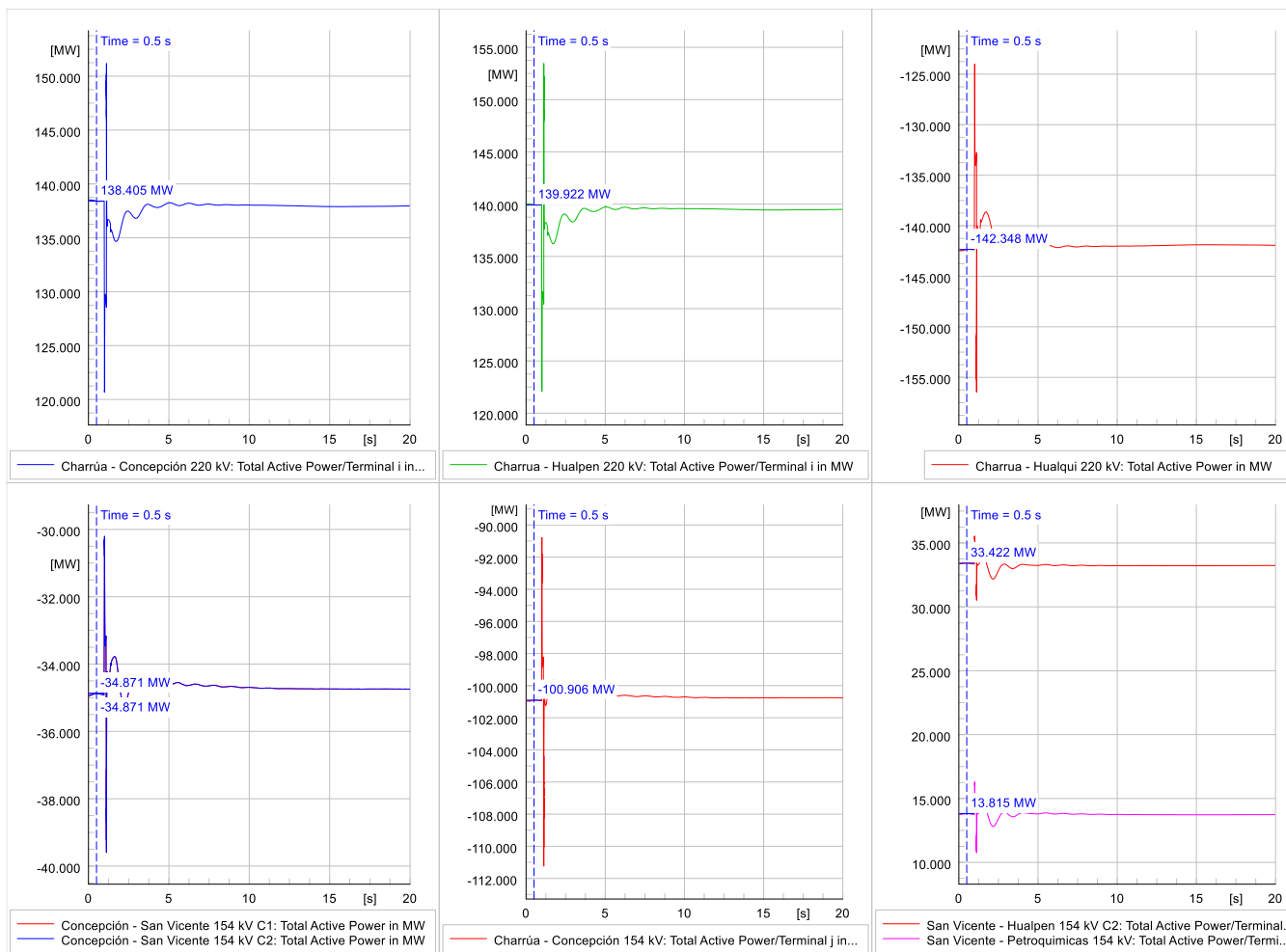


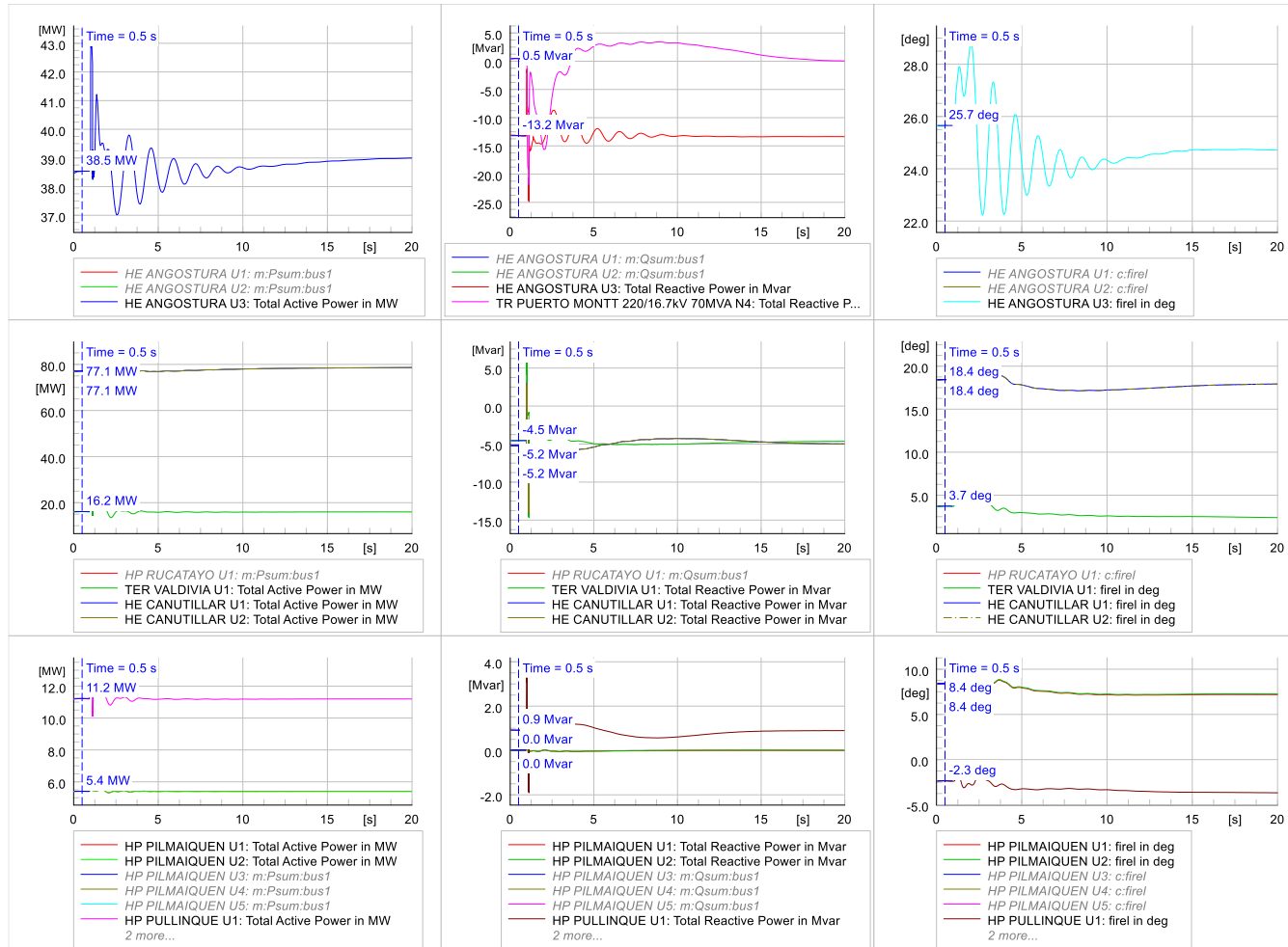


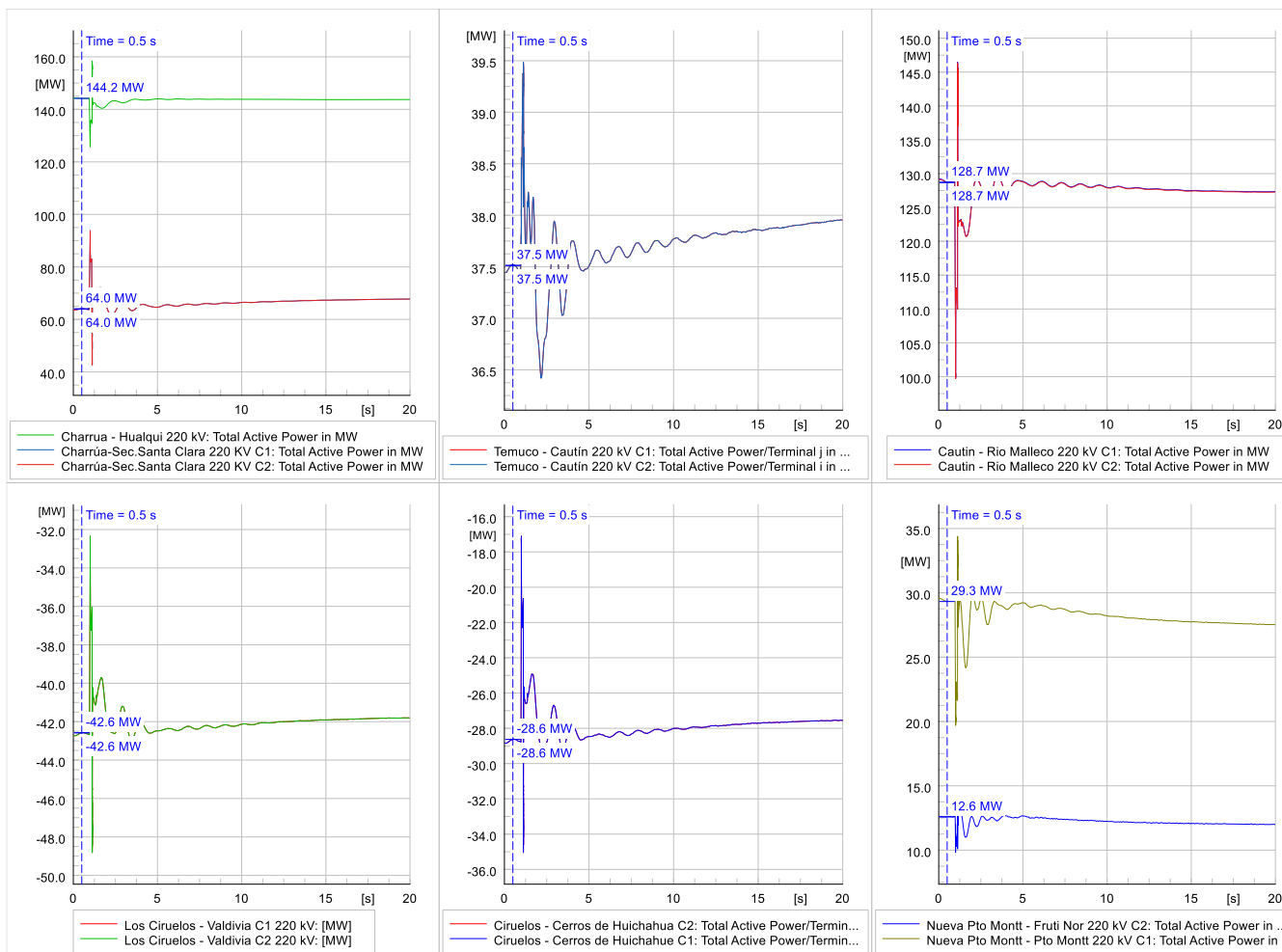




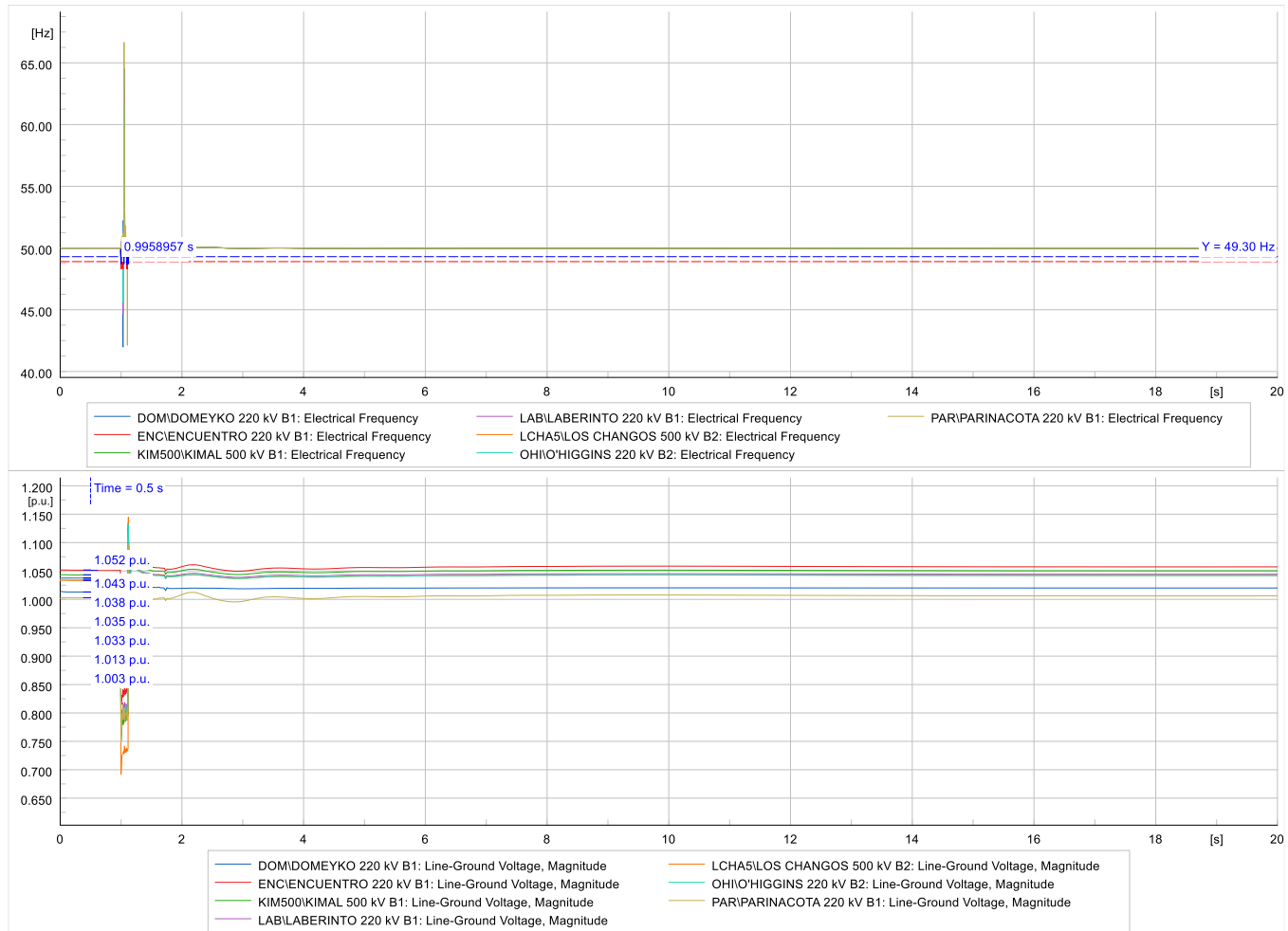


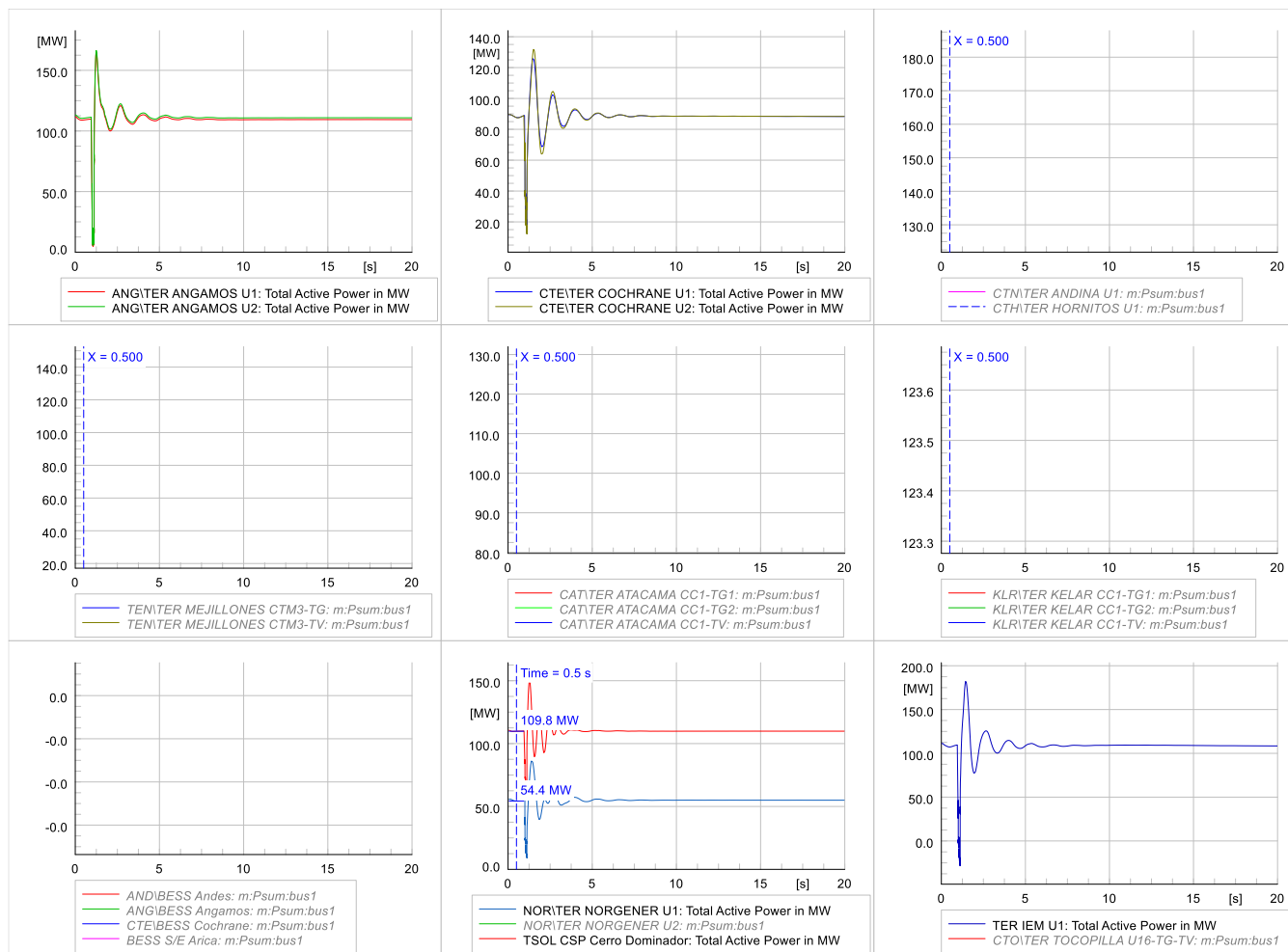


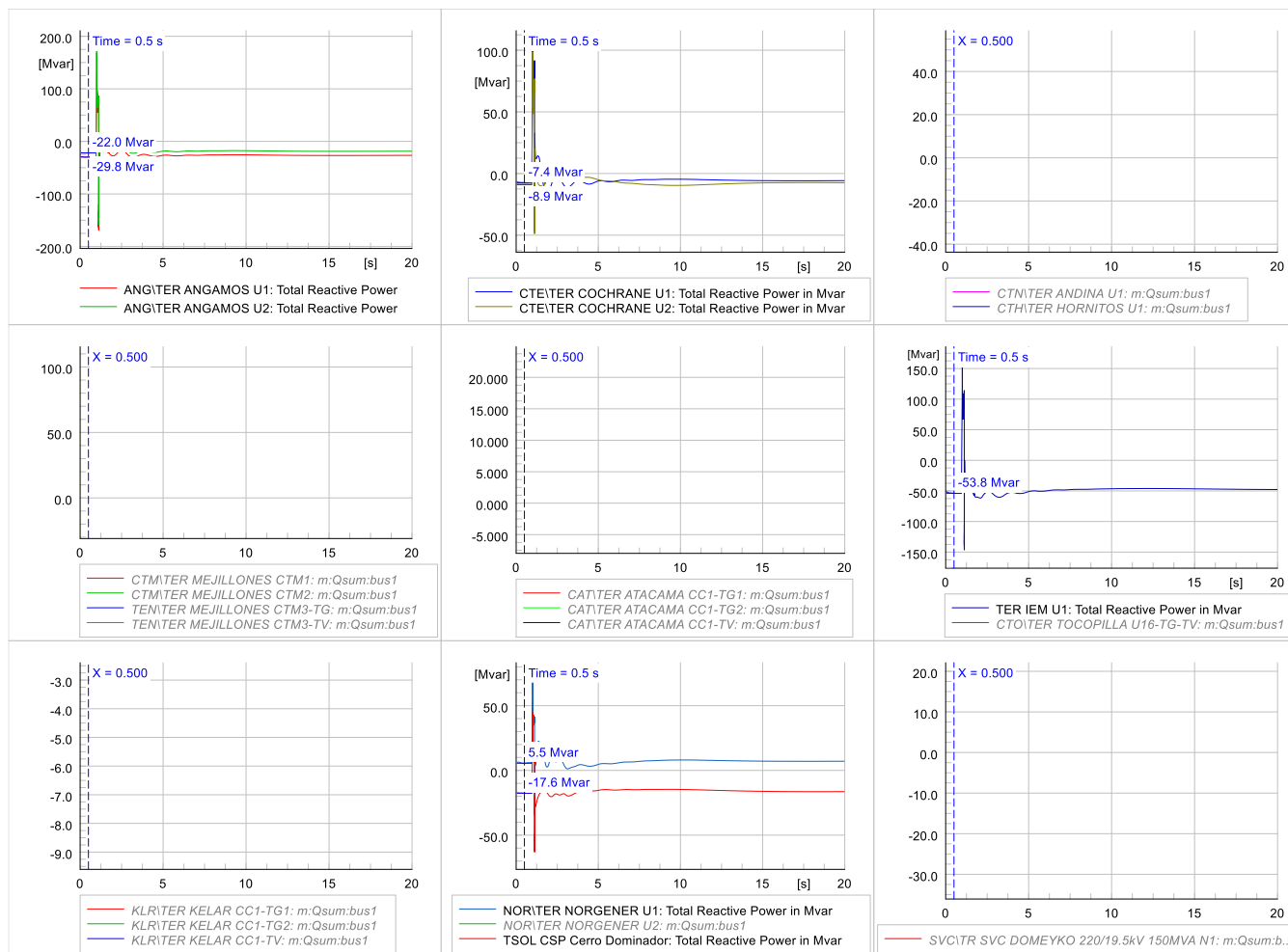


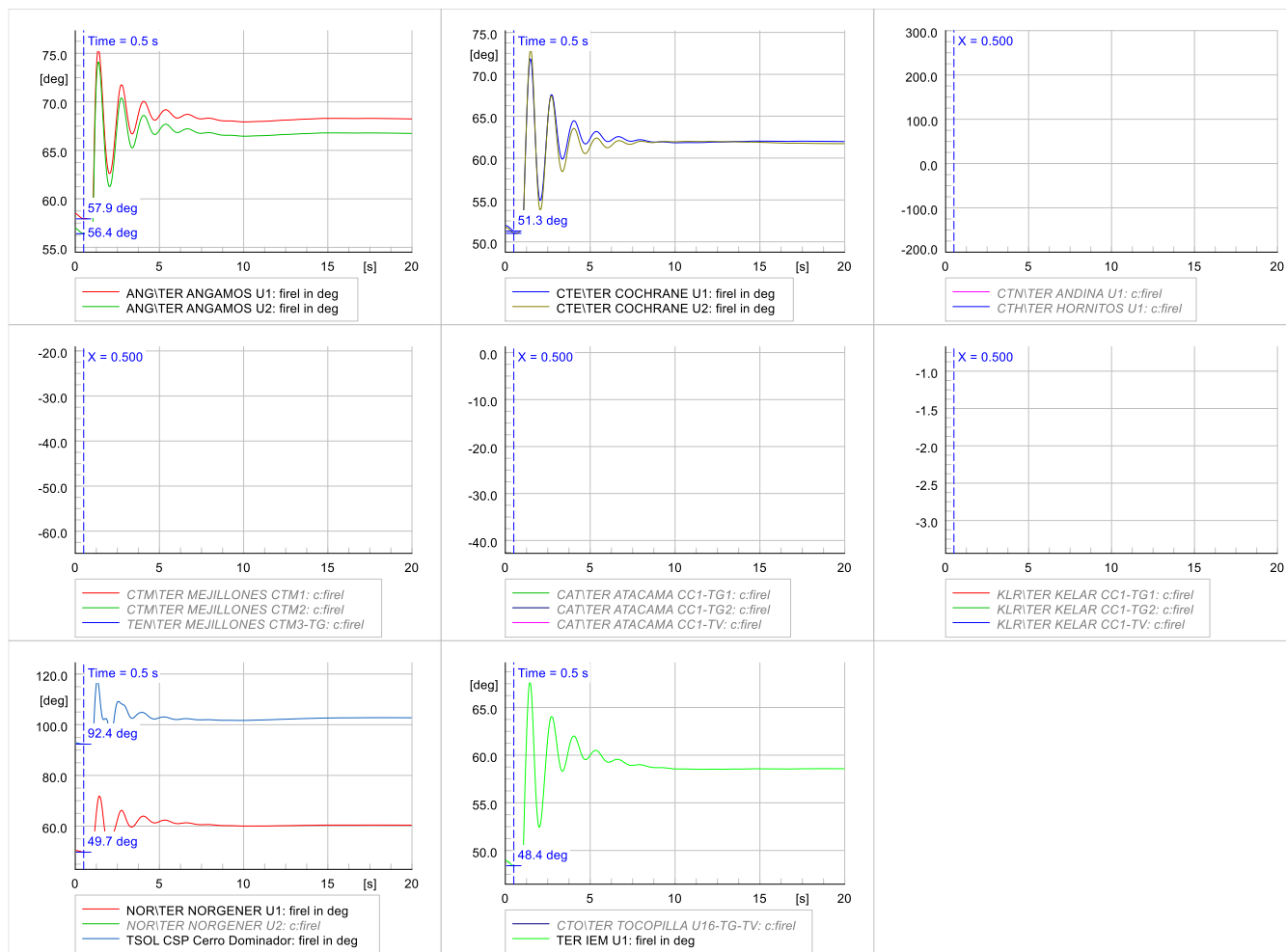


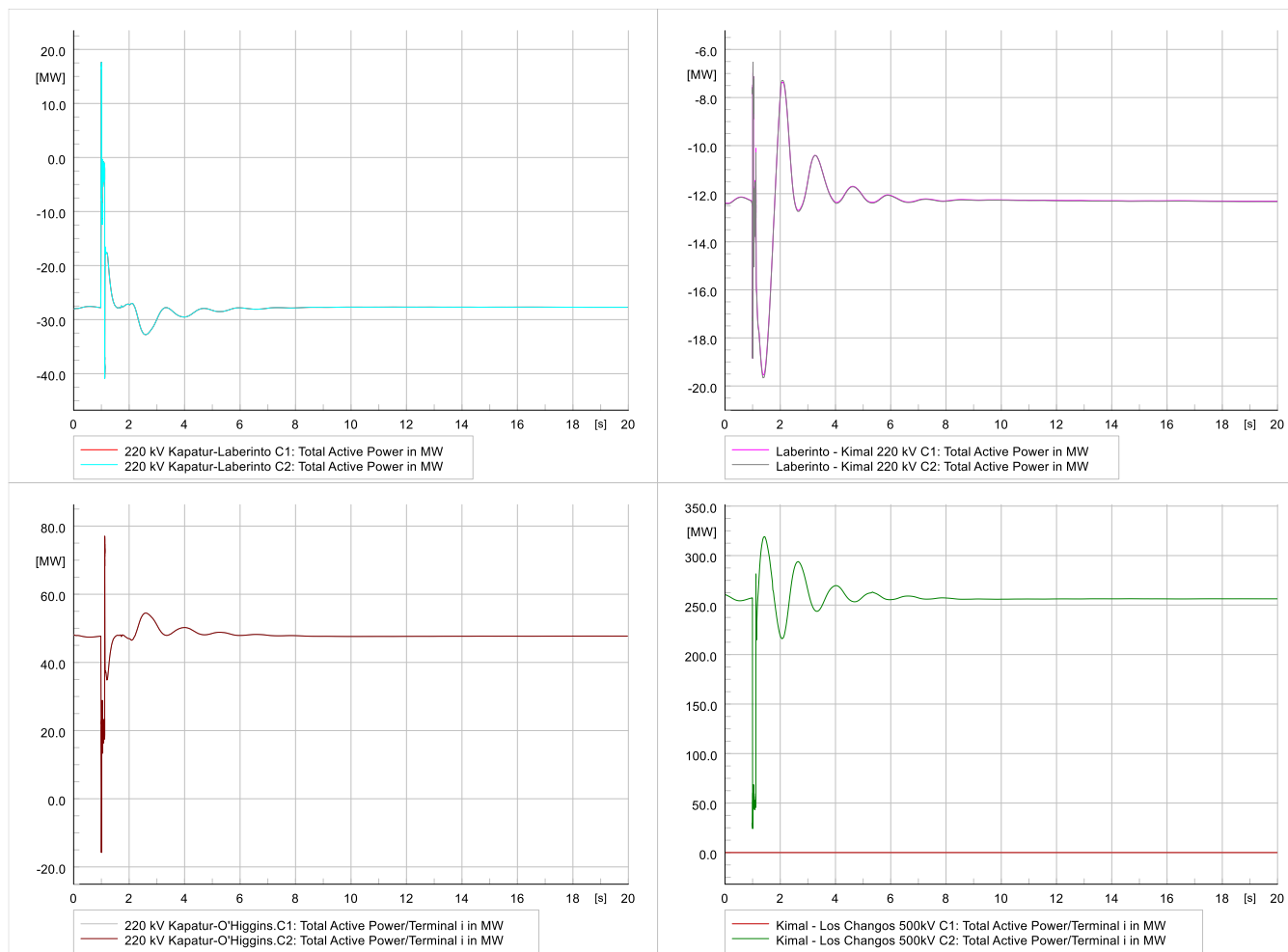
17.2 E1 2024_03_04 DA 16 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV

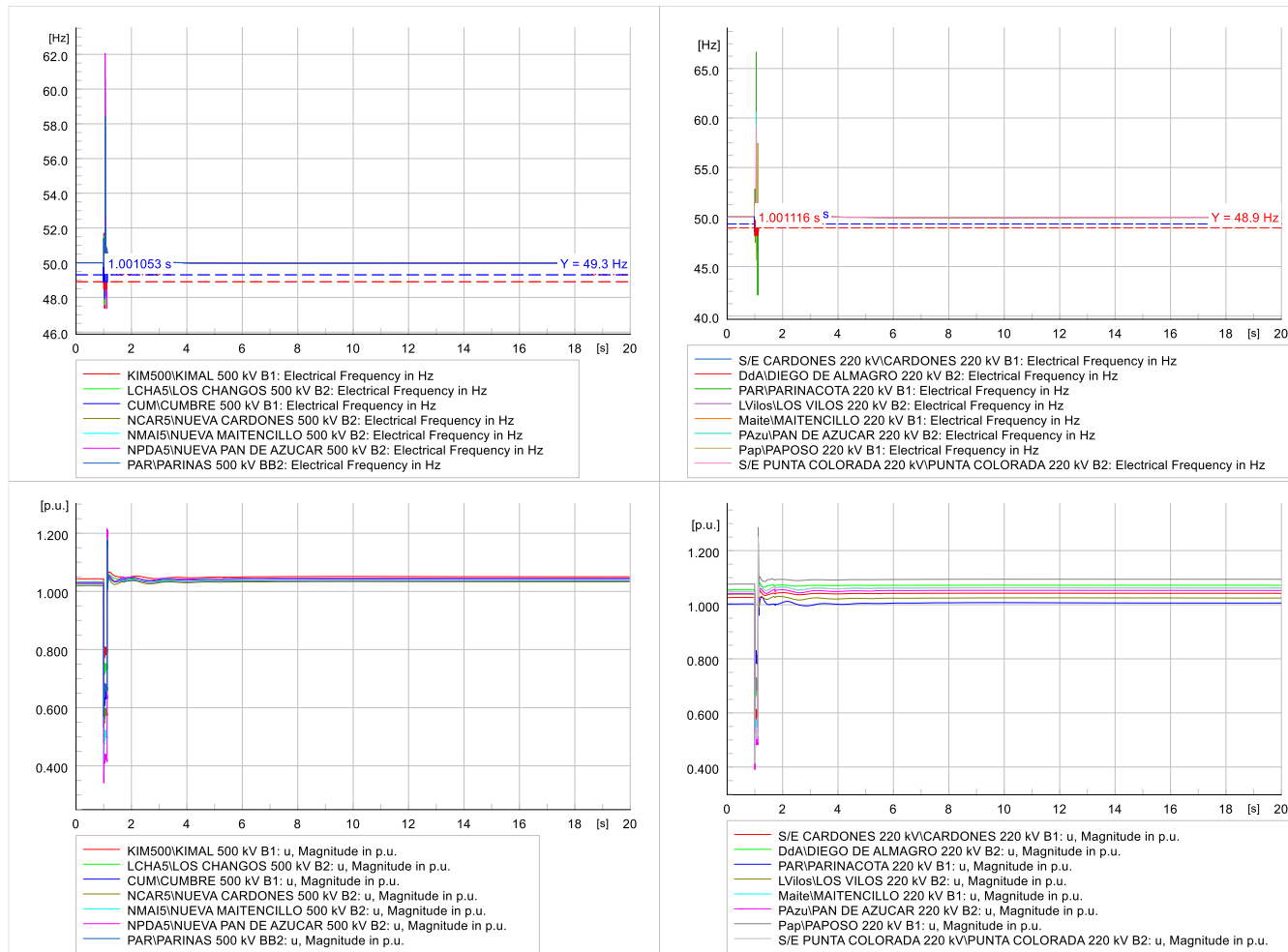


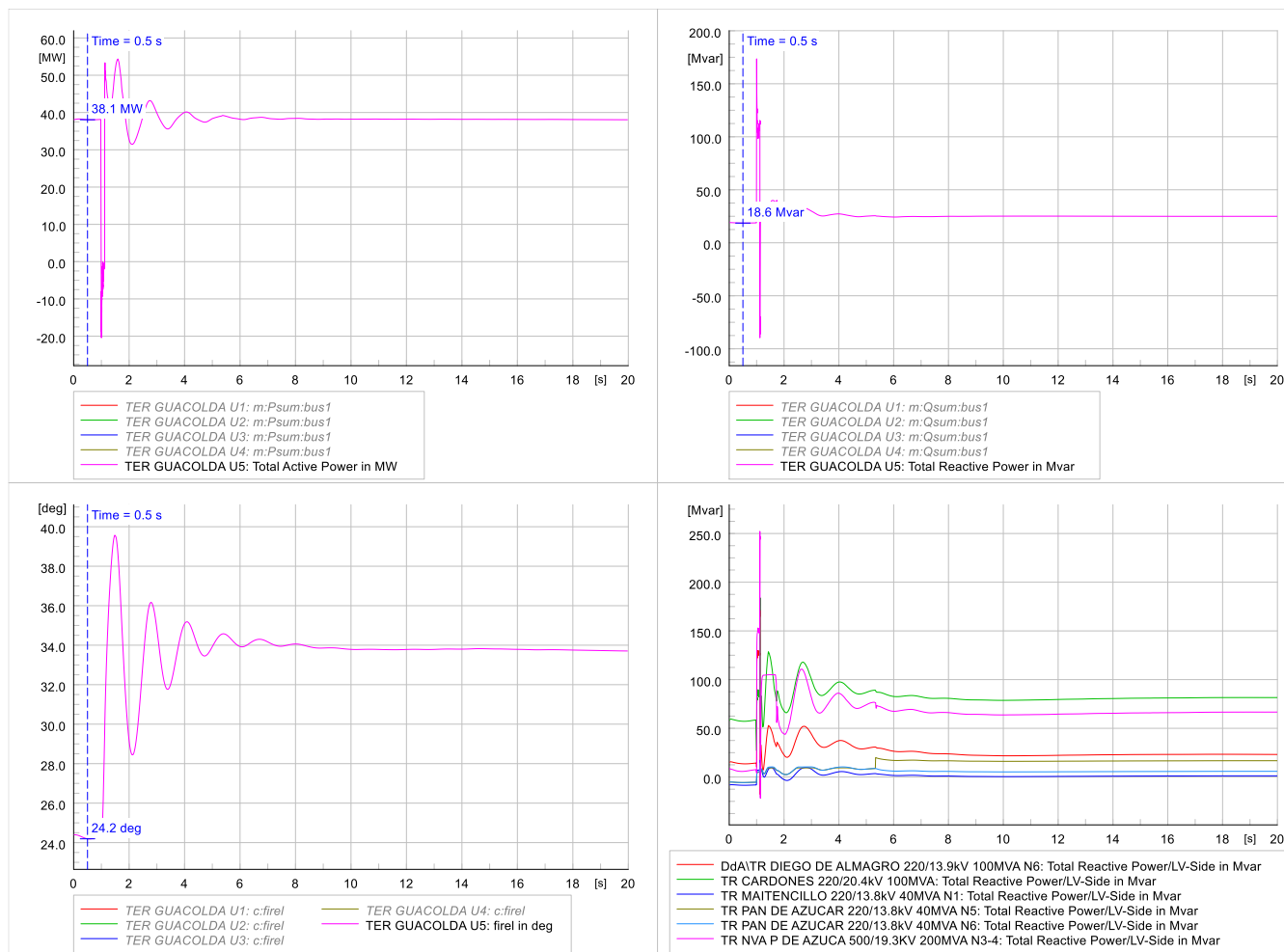


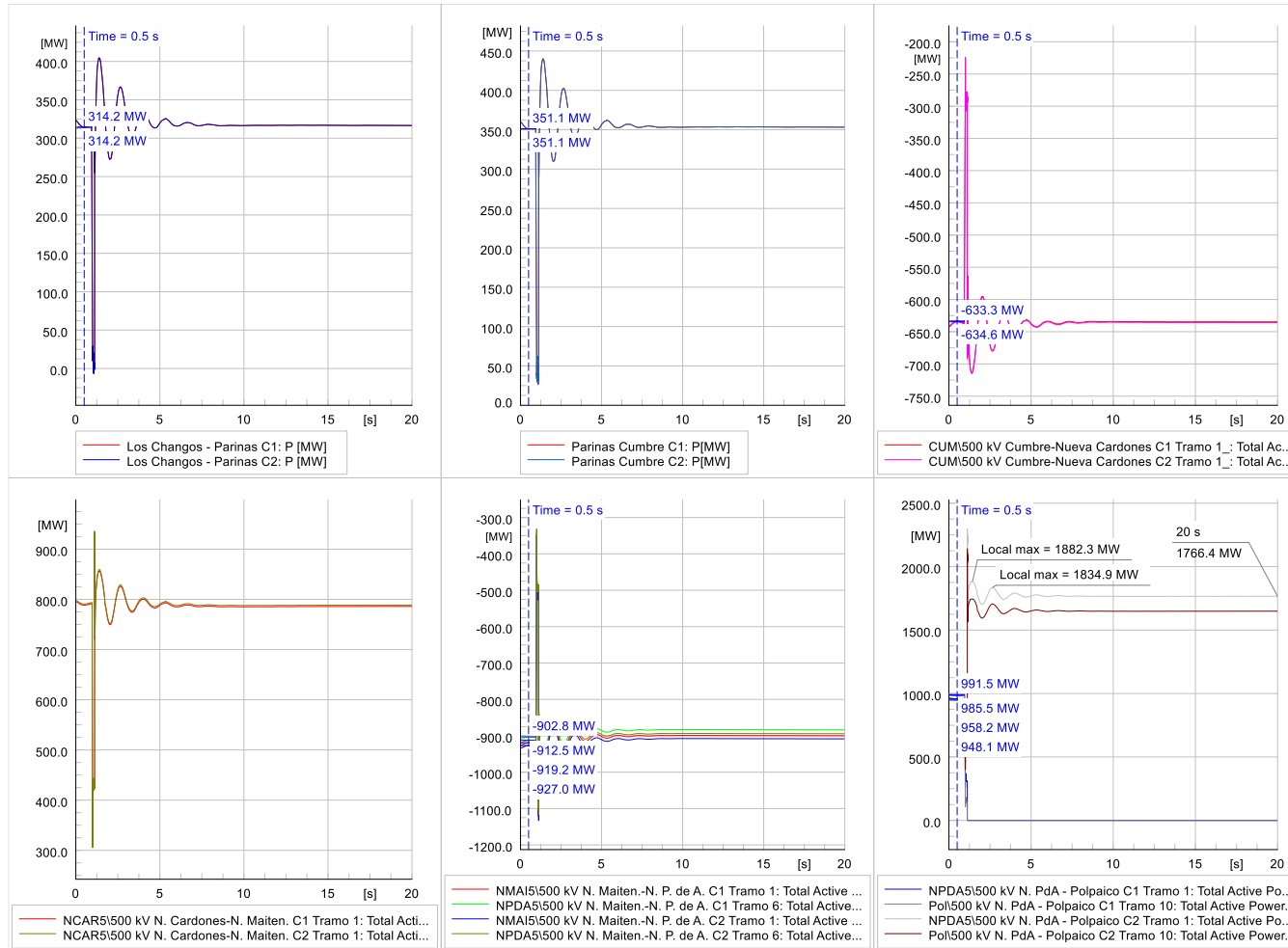


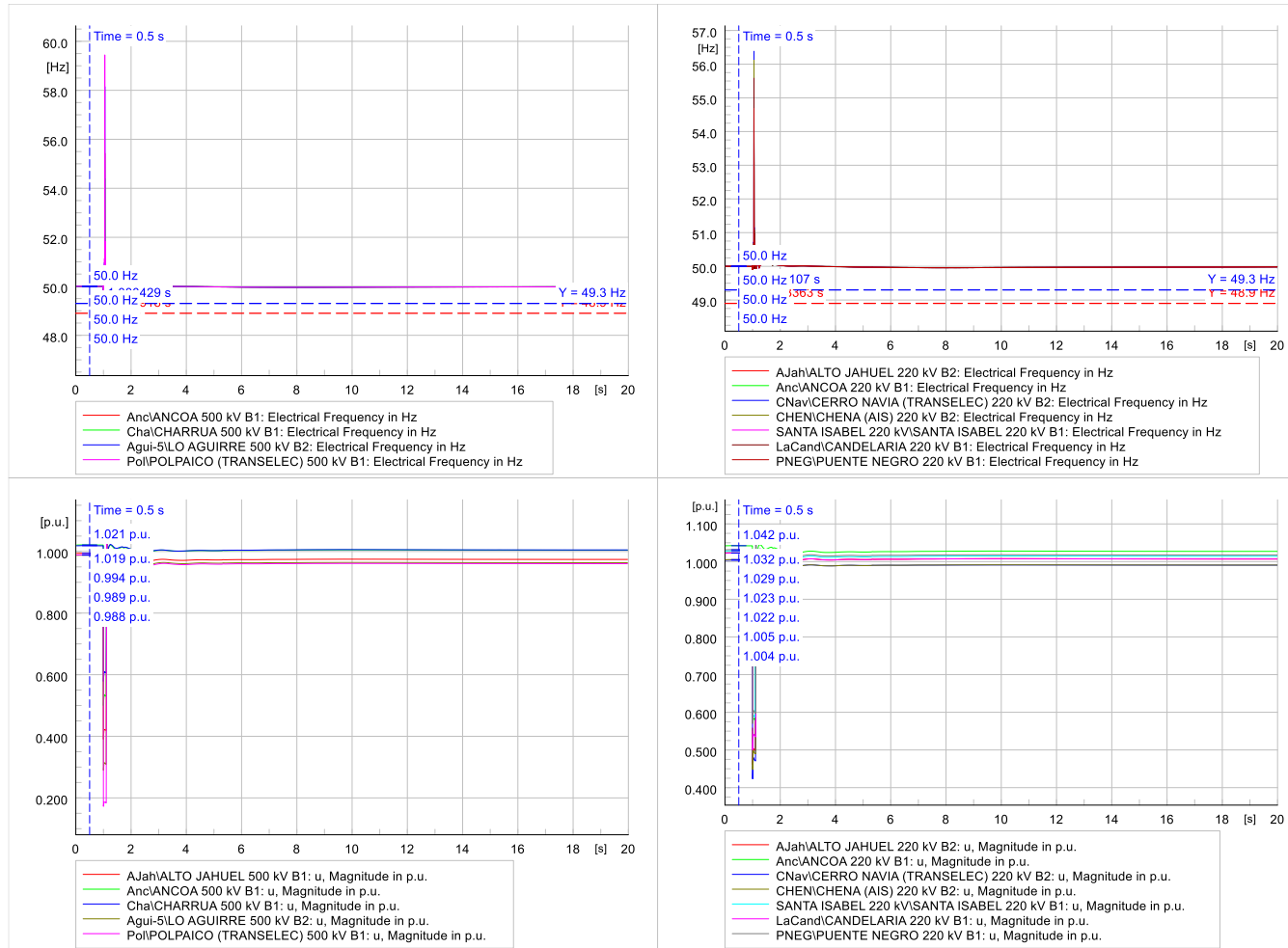


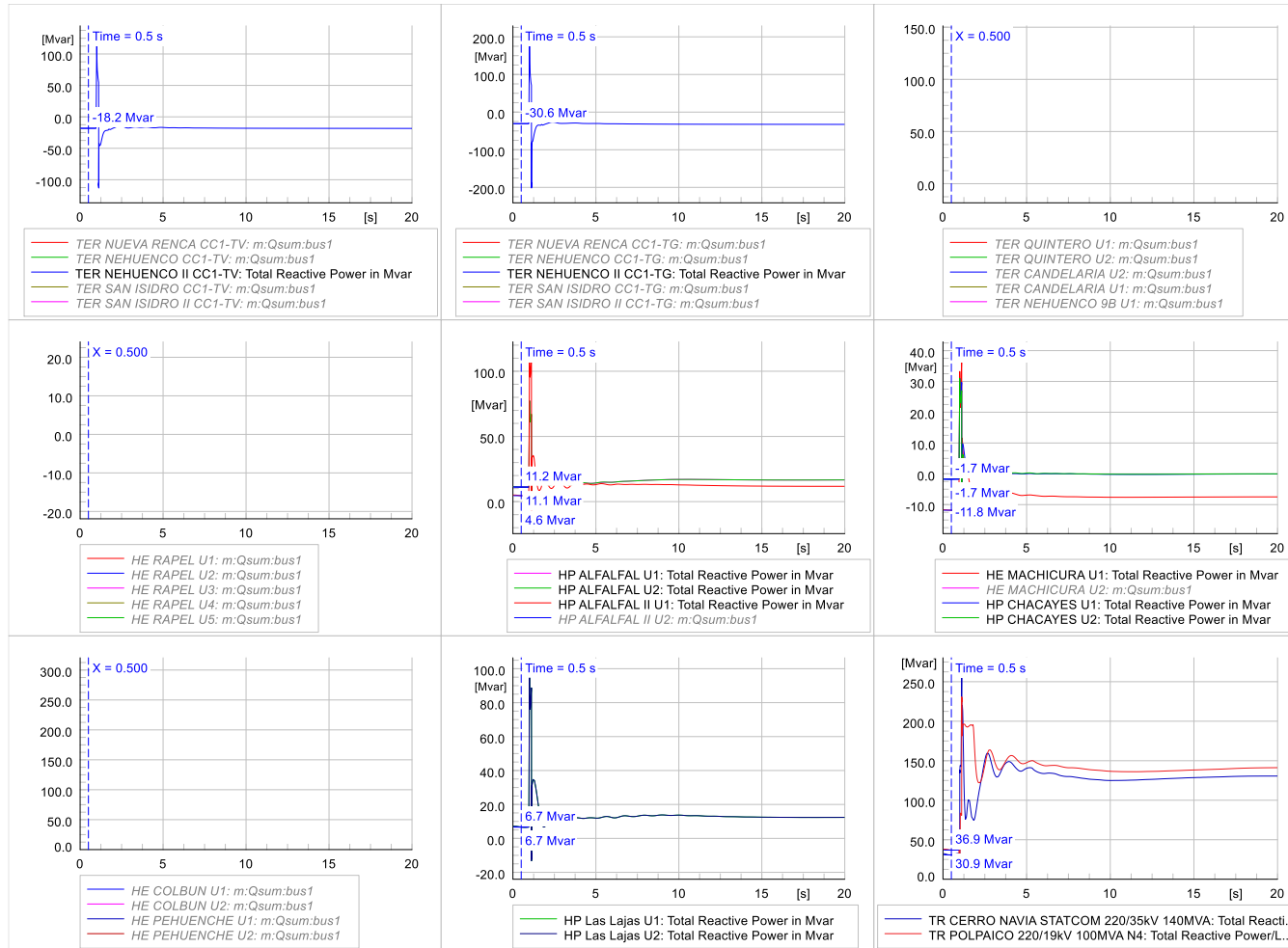


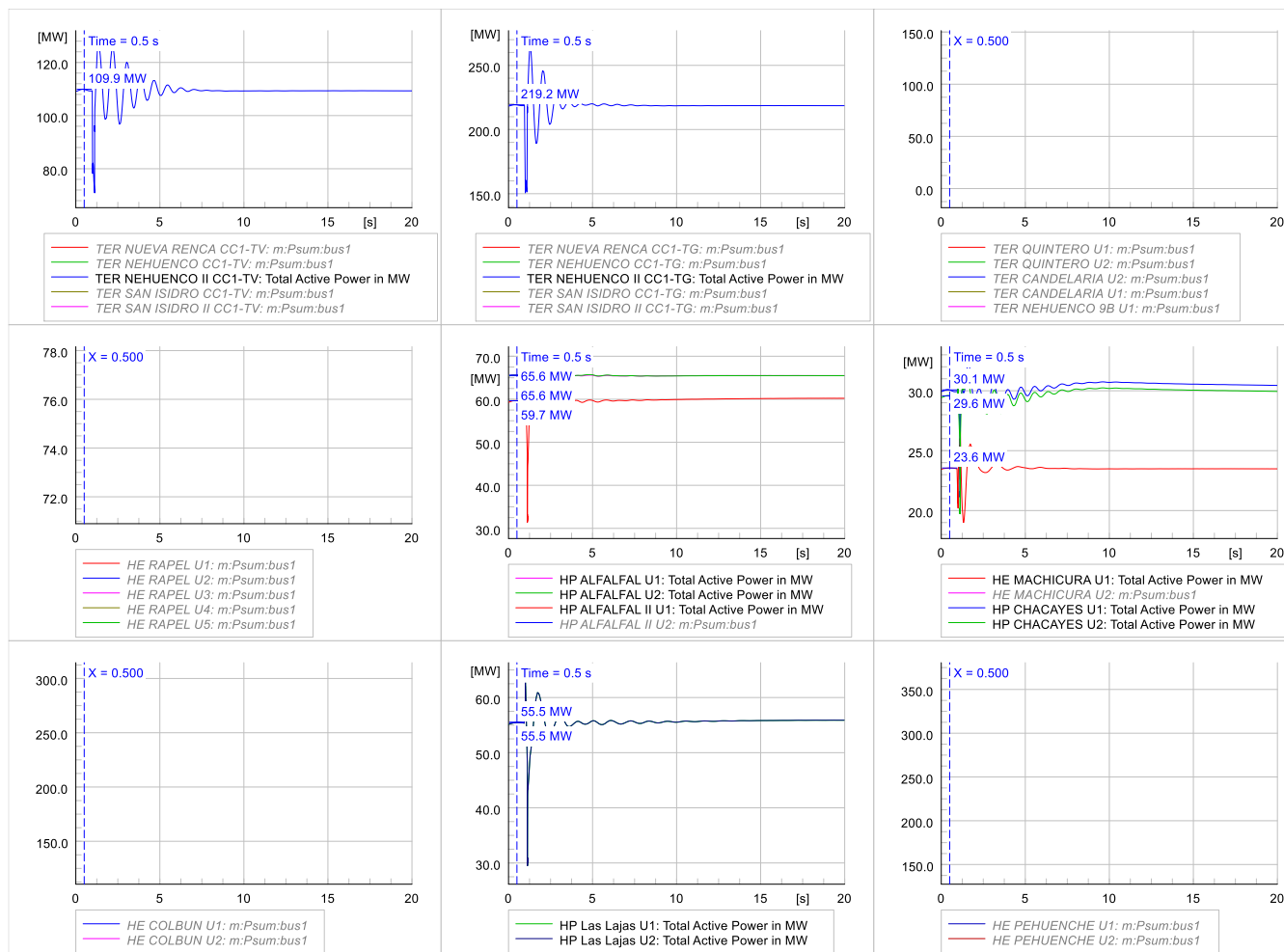


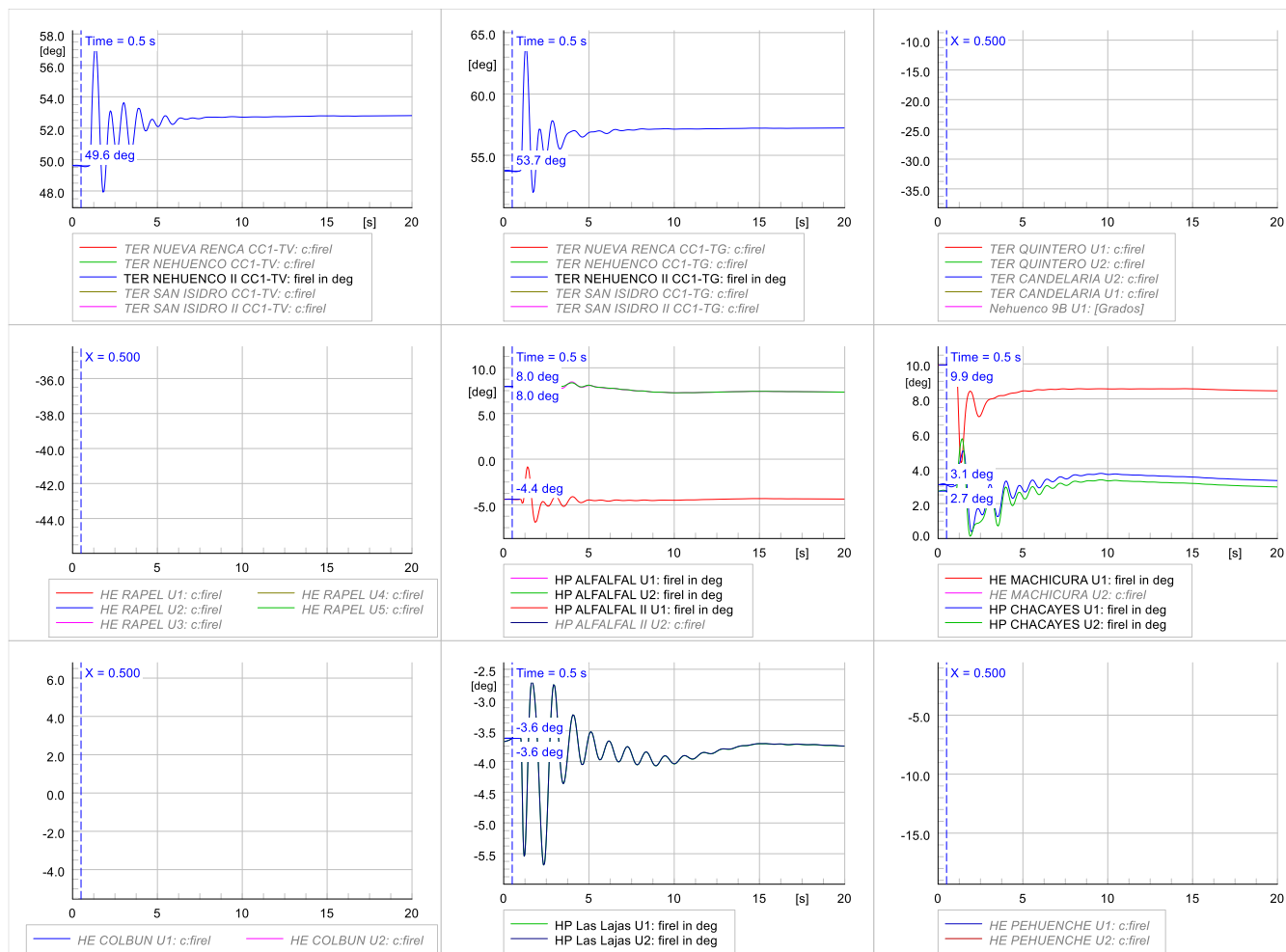


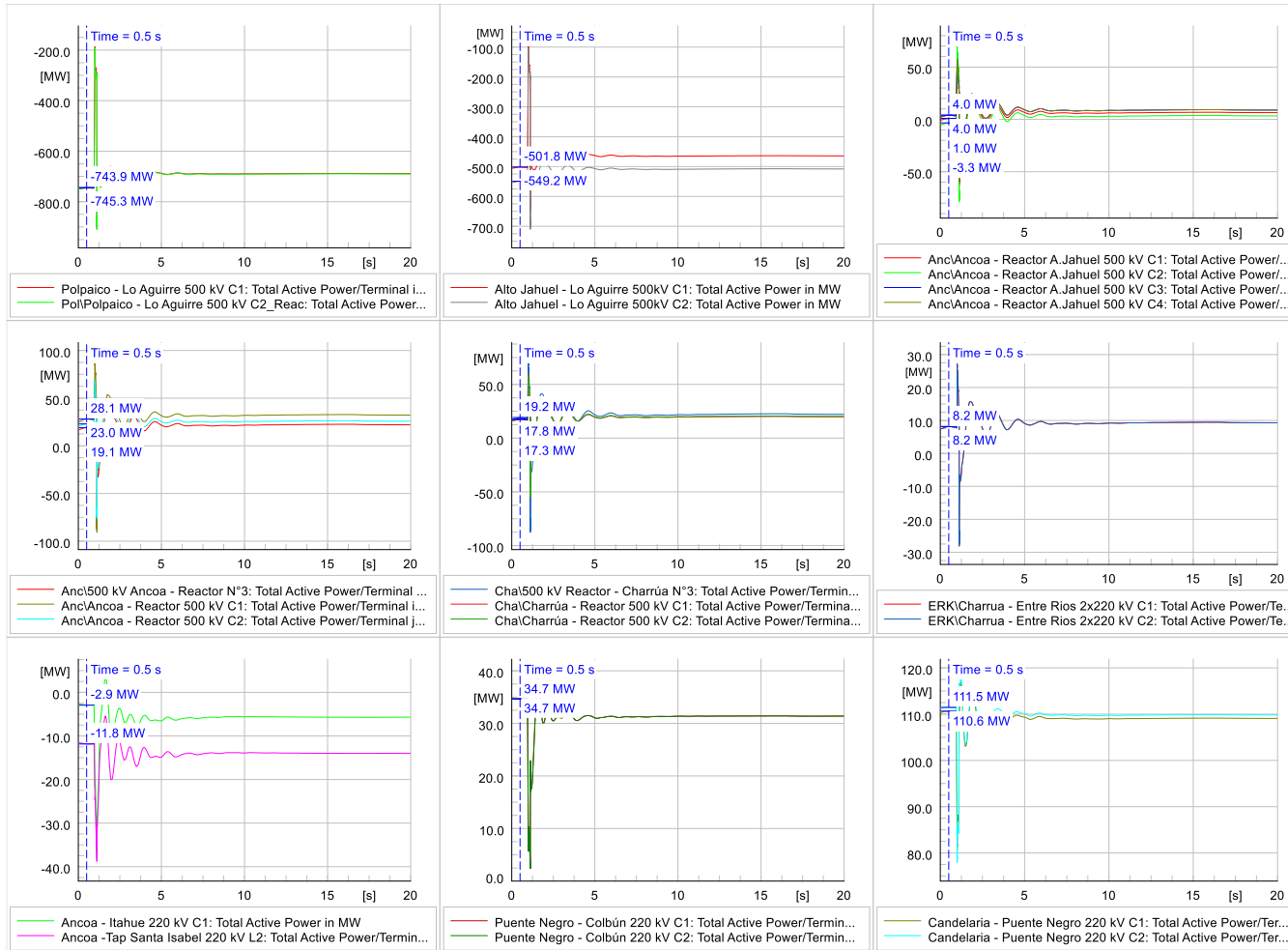


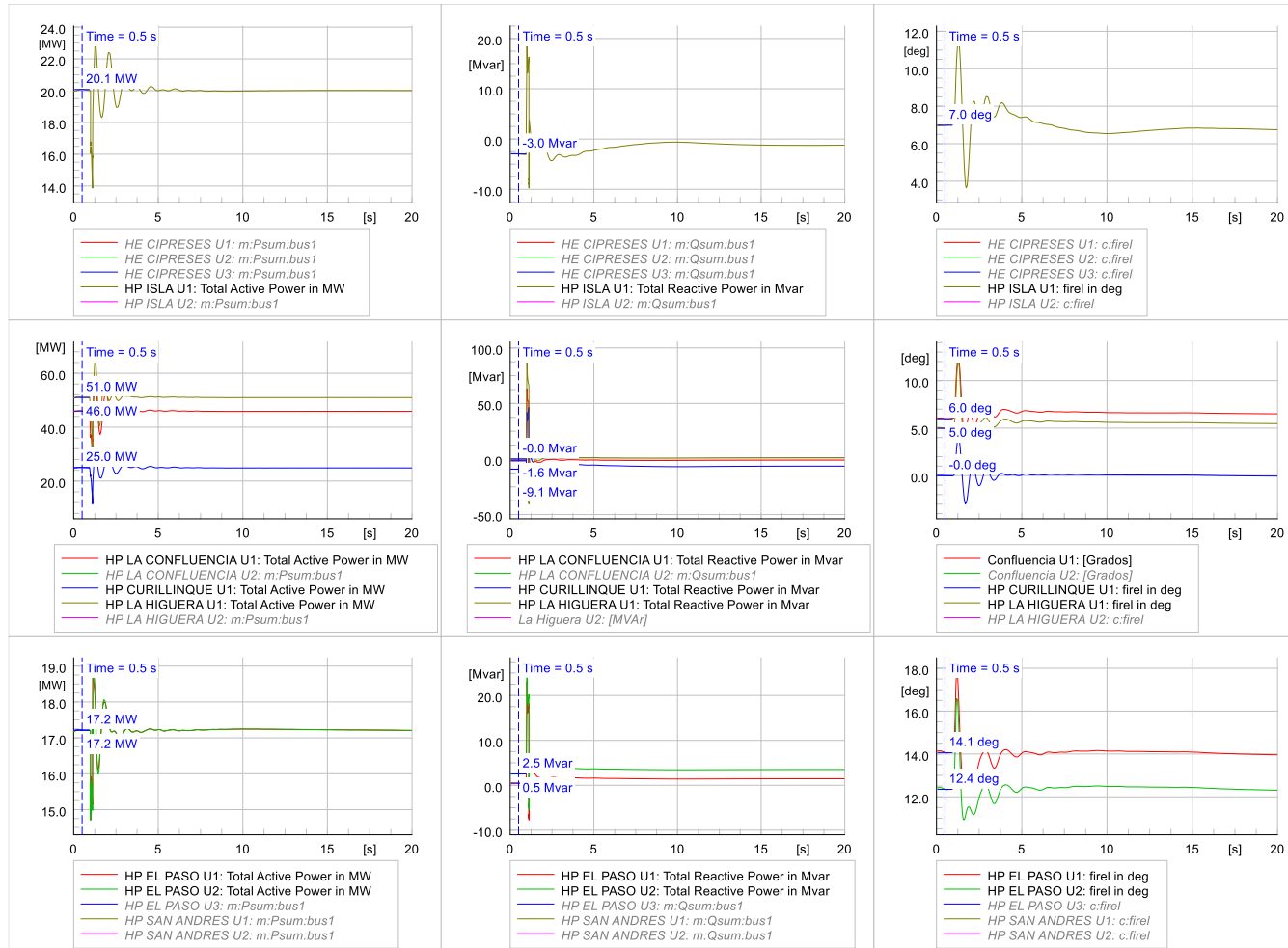


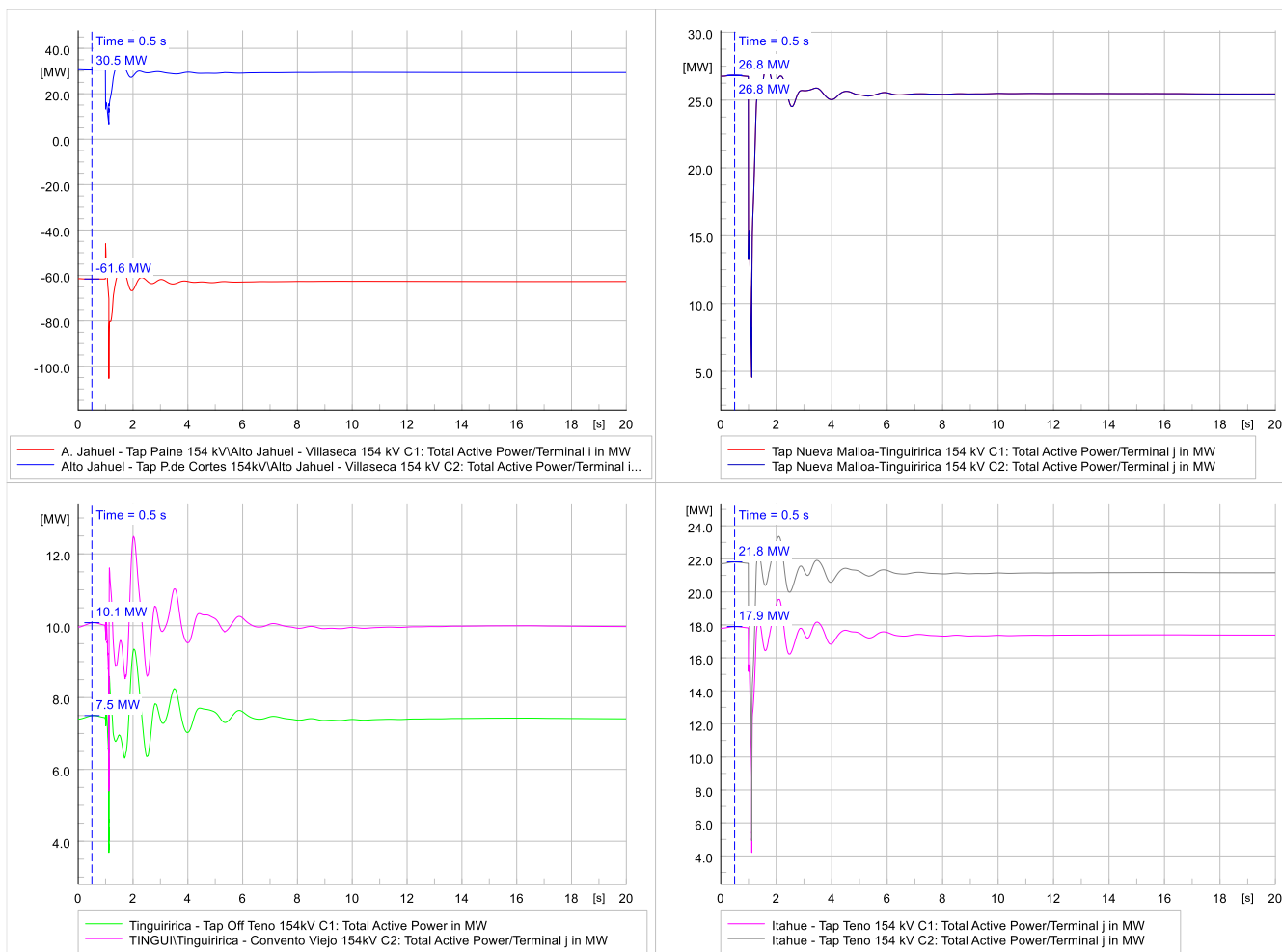


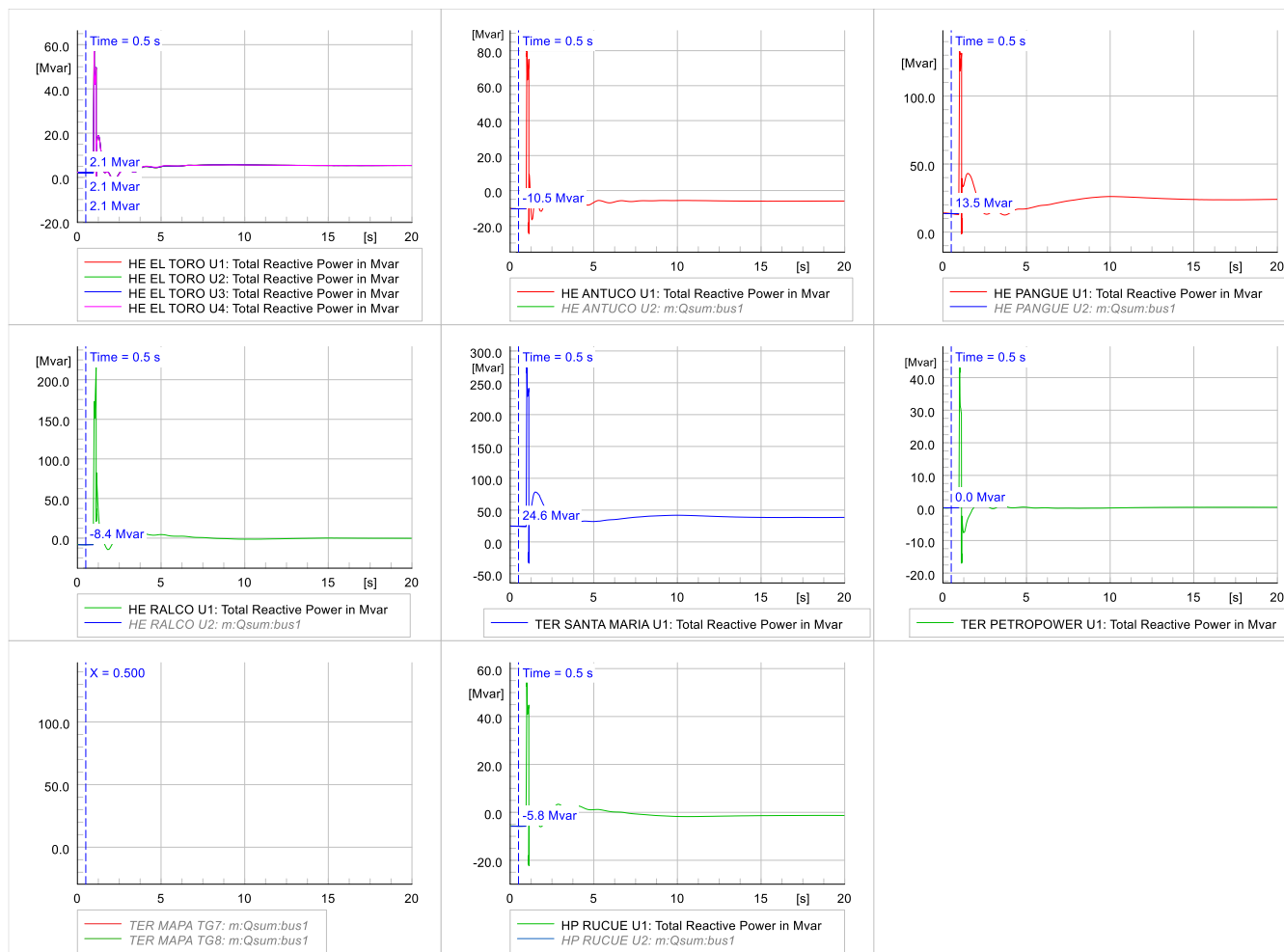


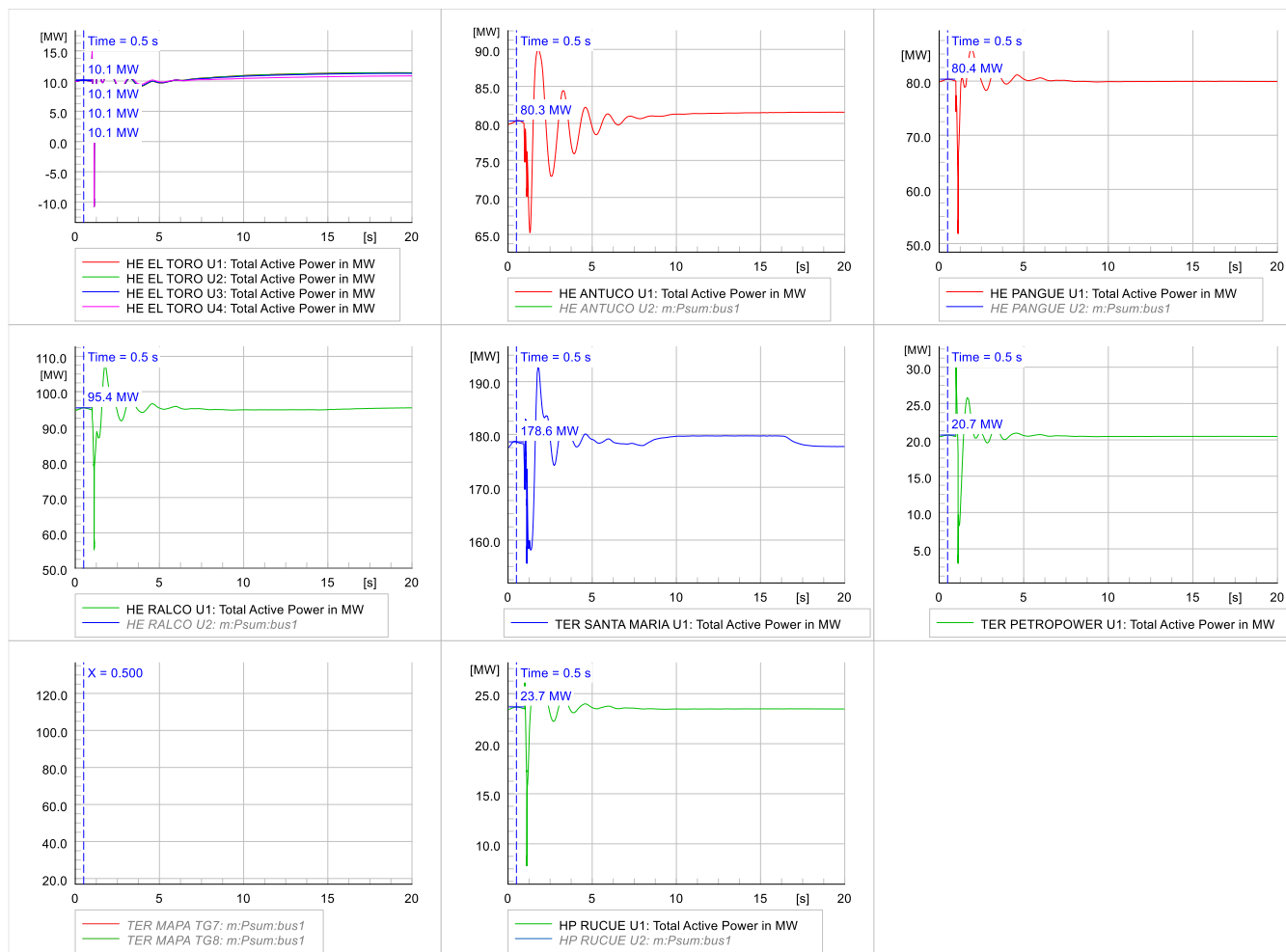


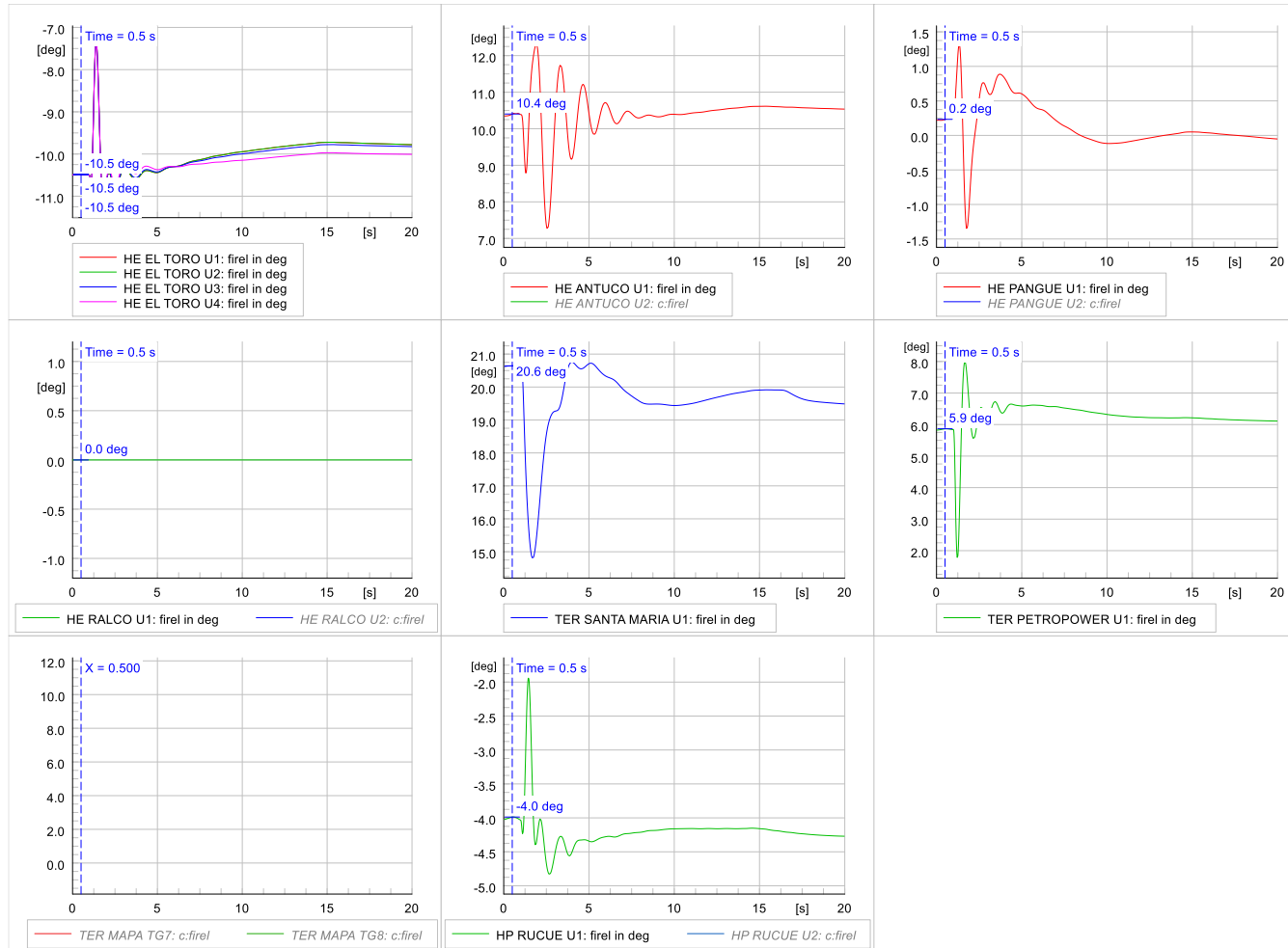


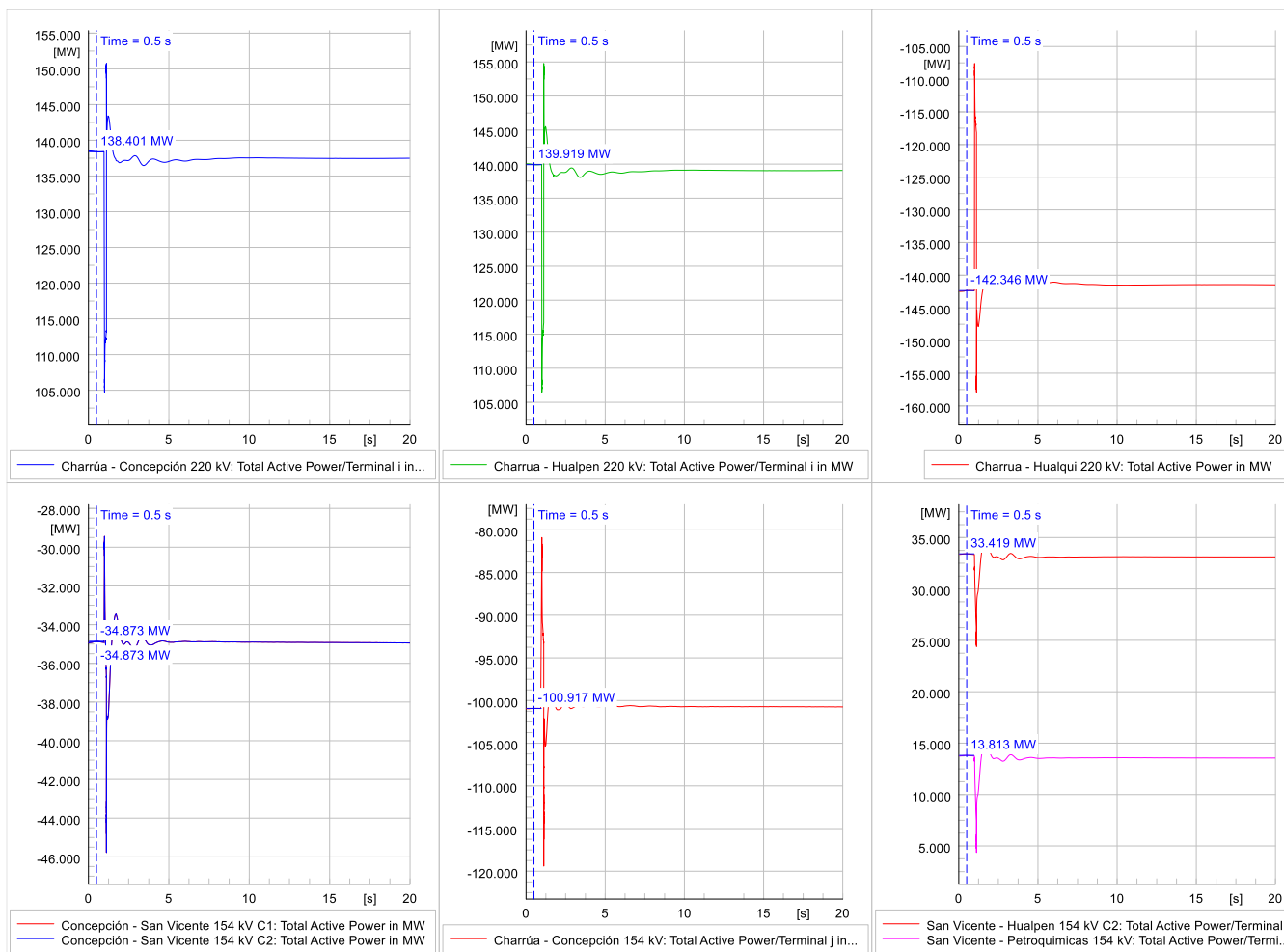


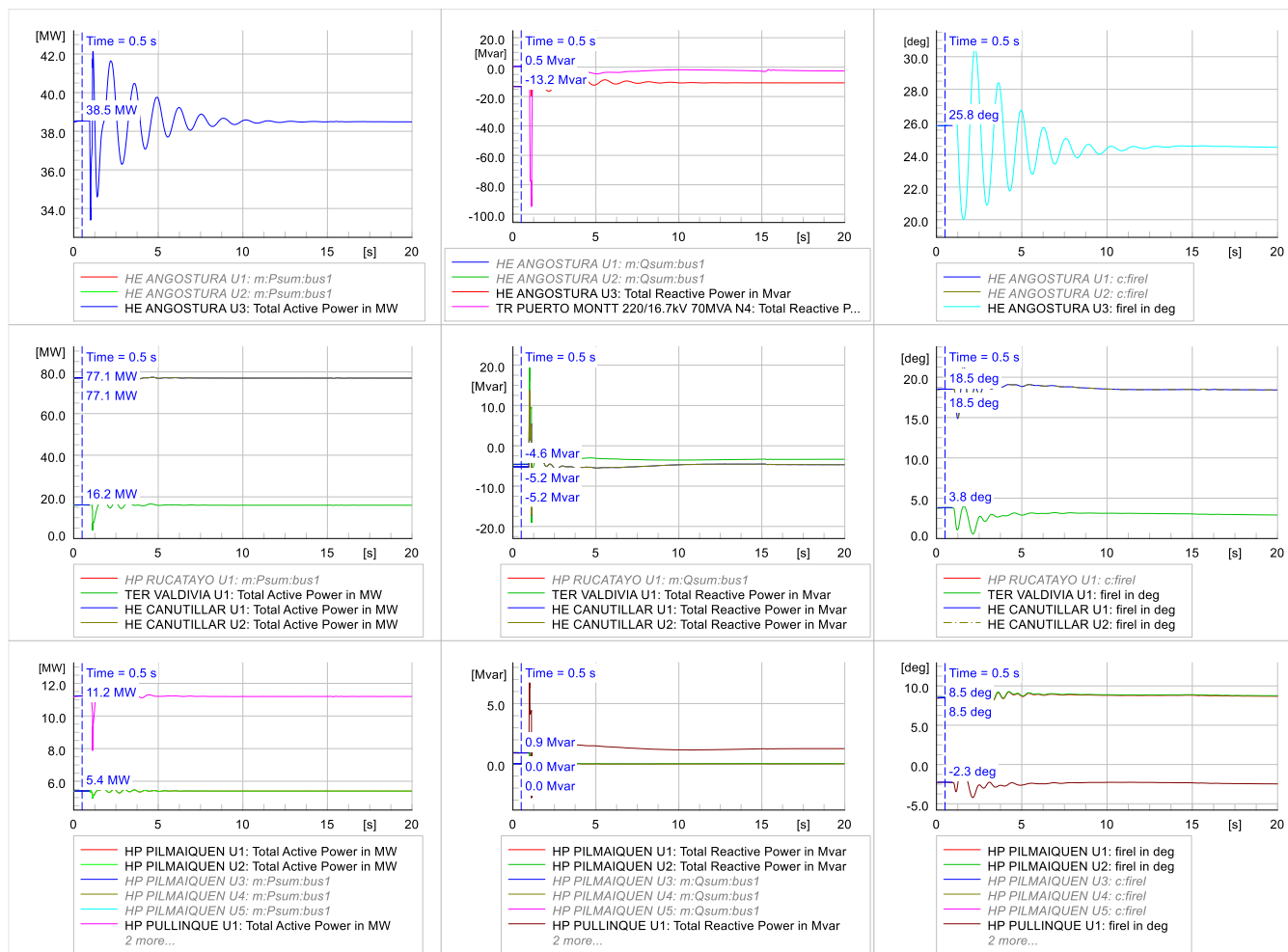


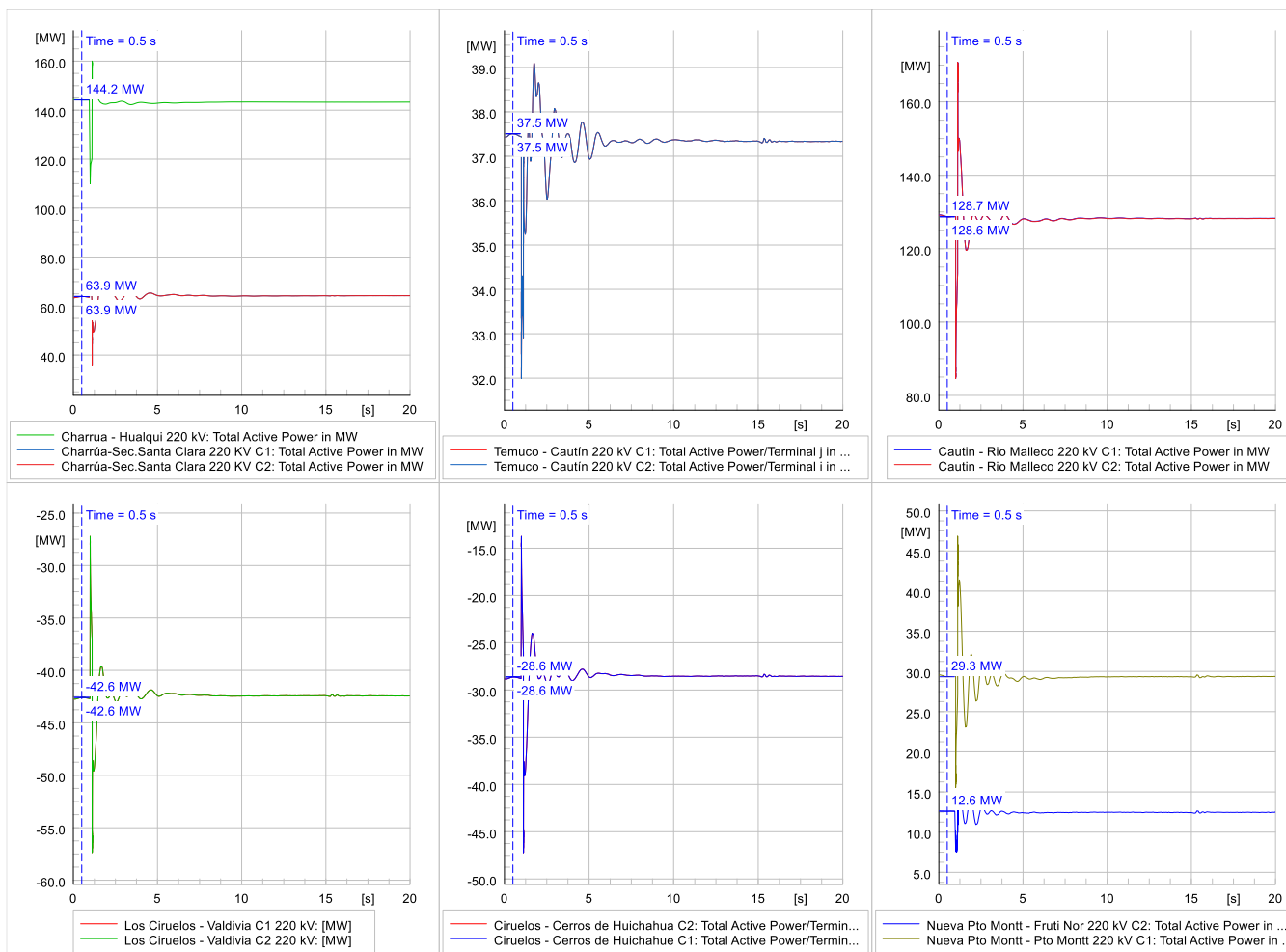




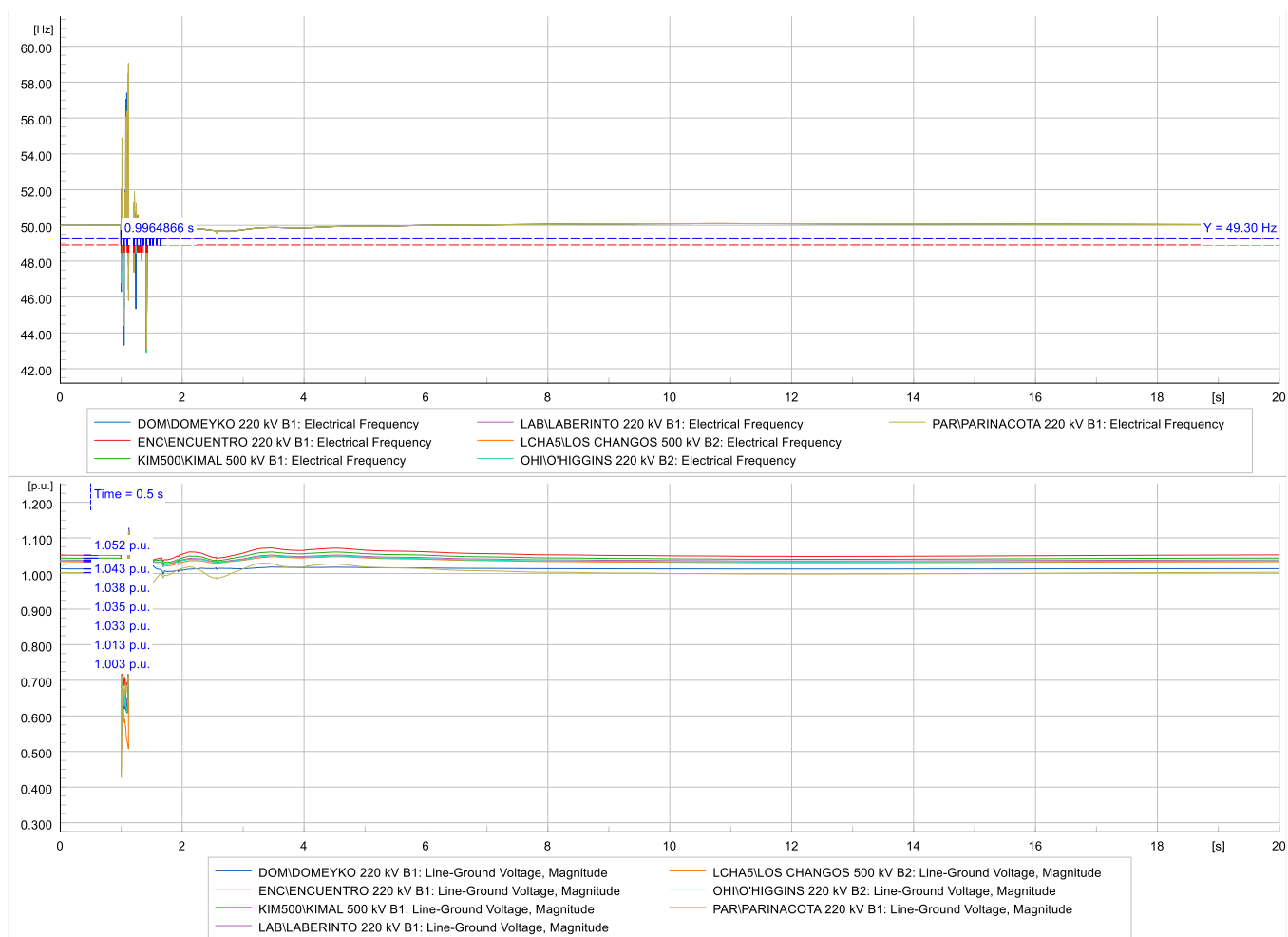


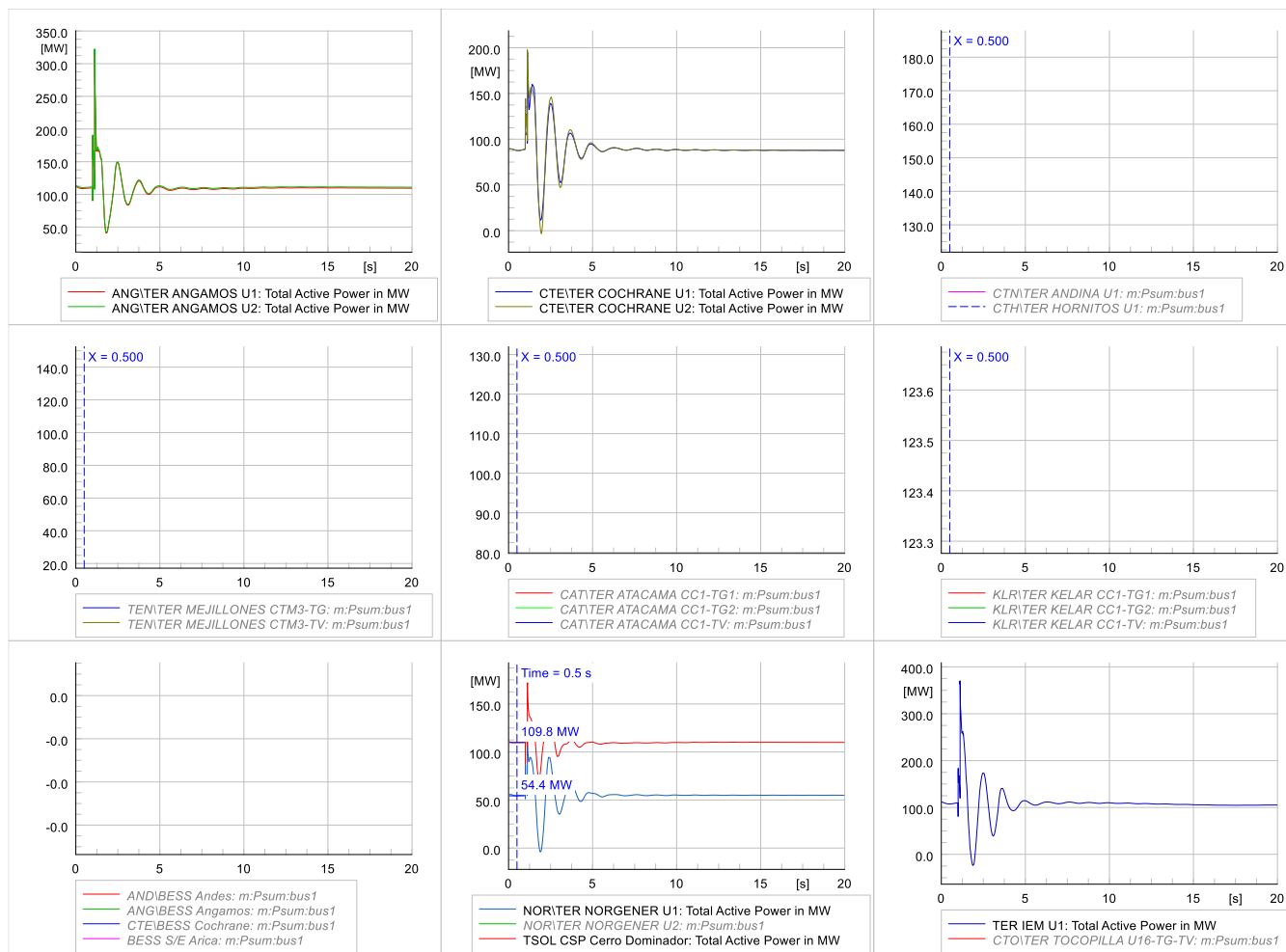


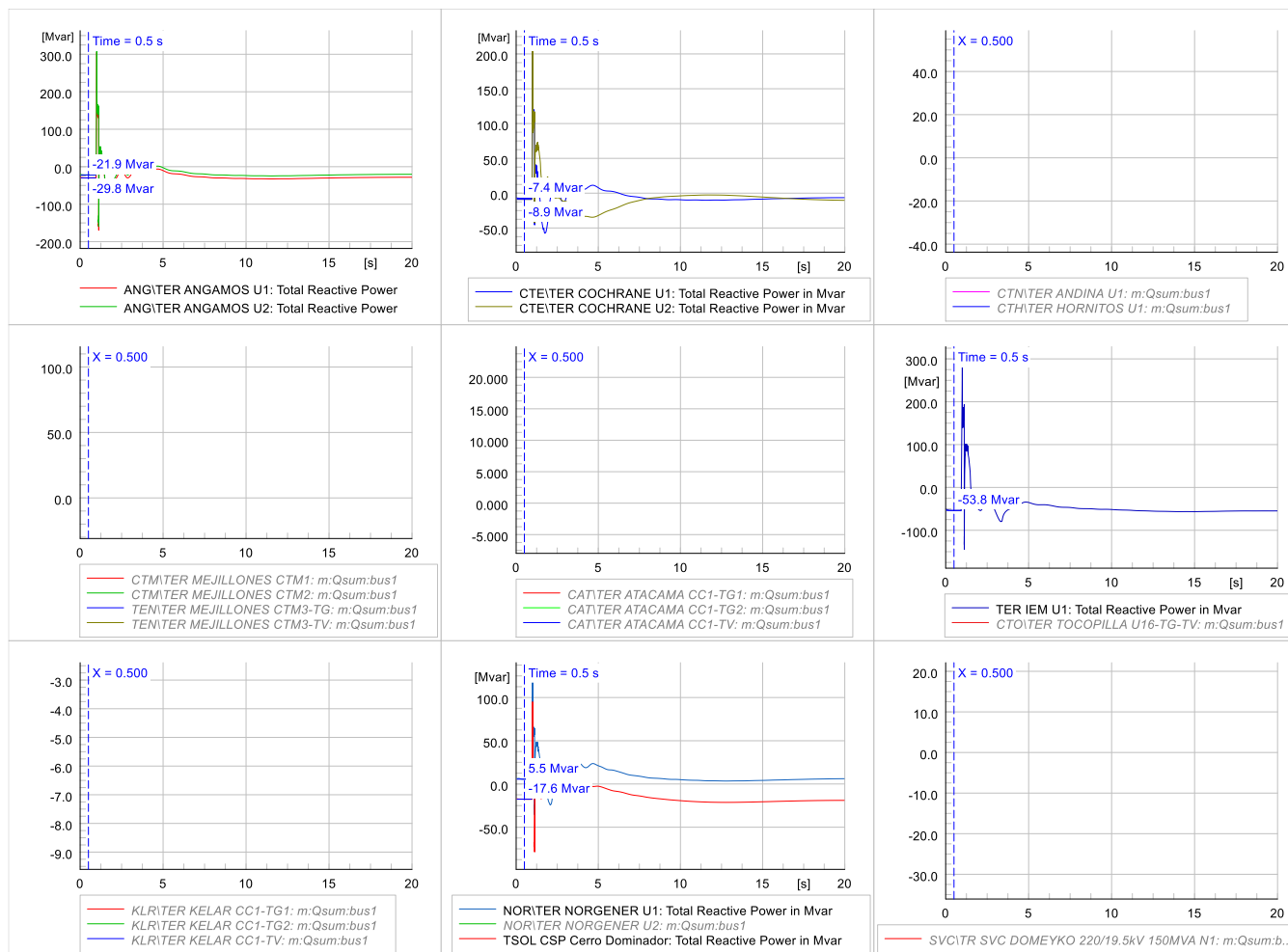


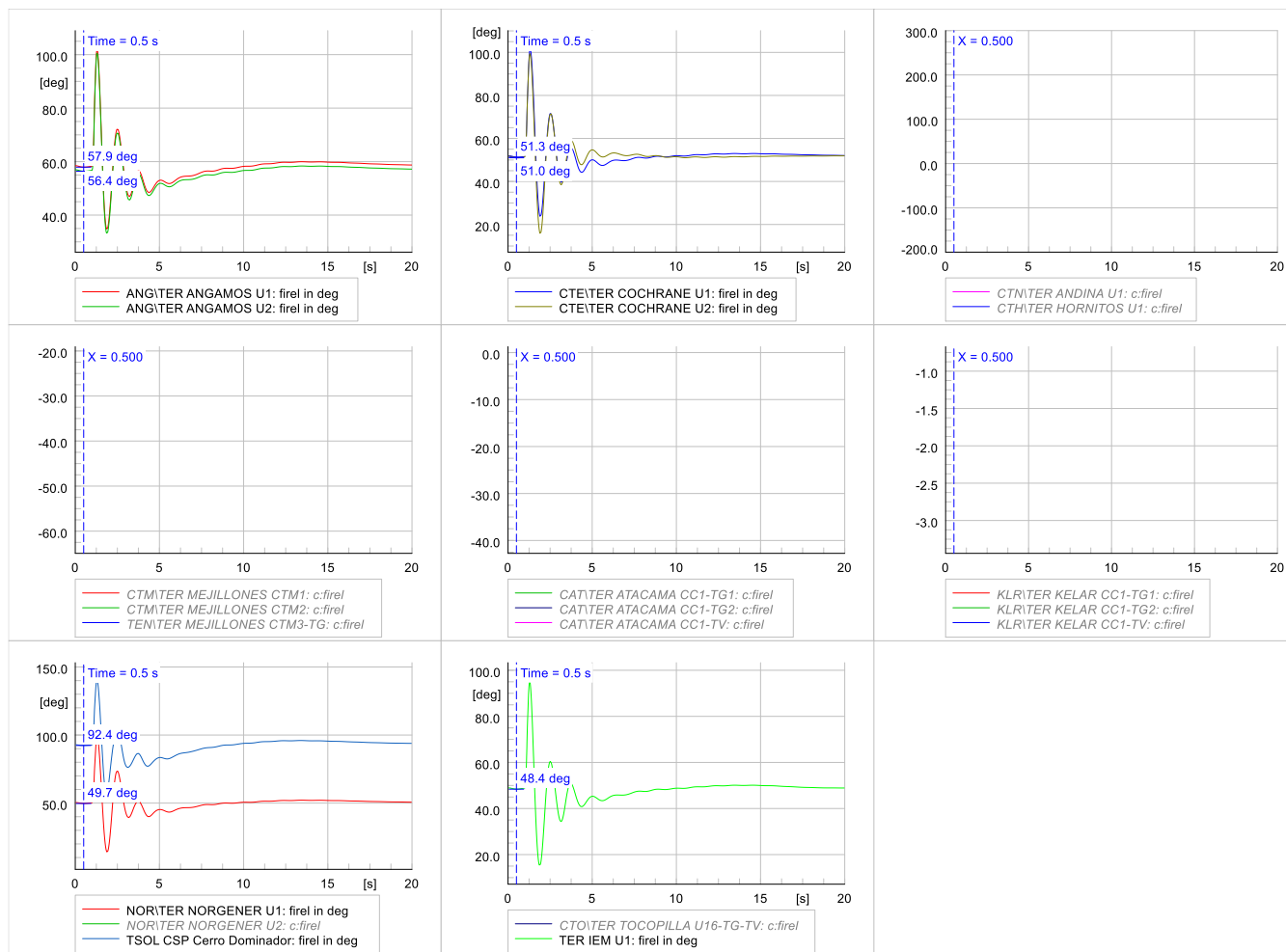


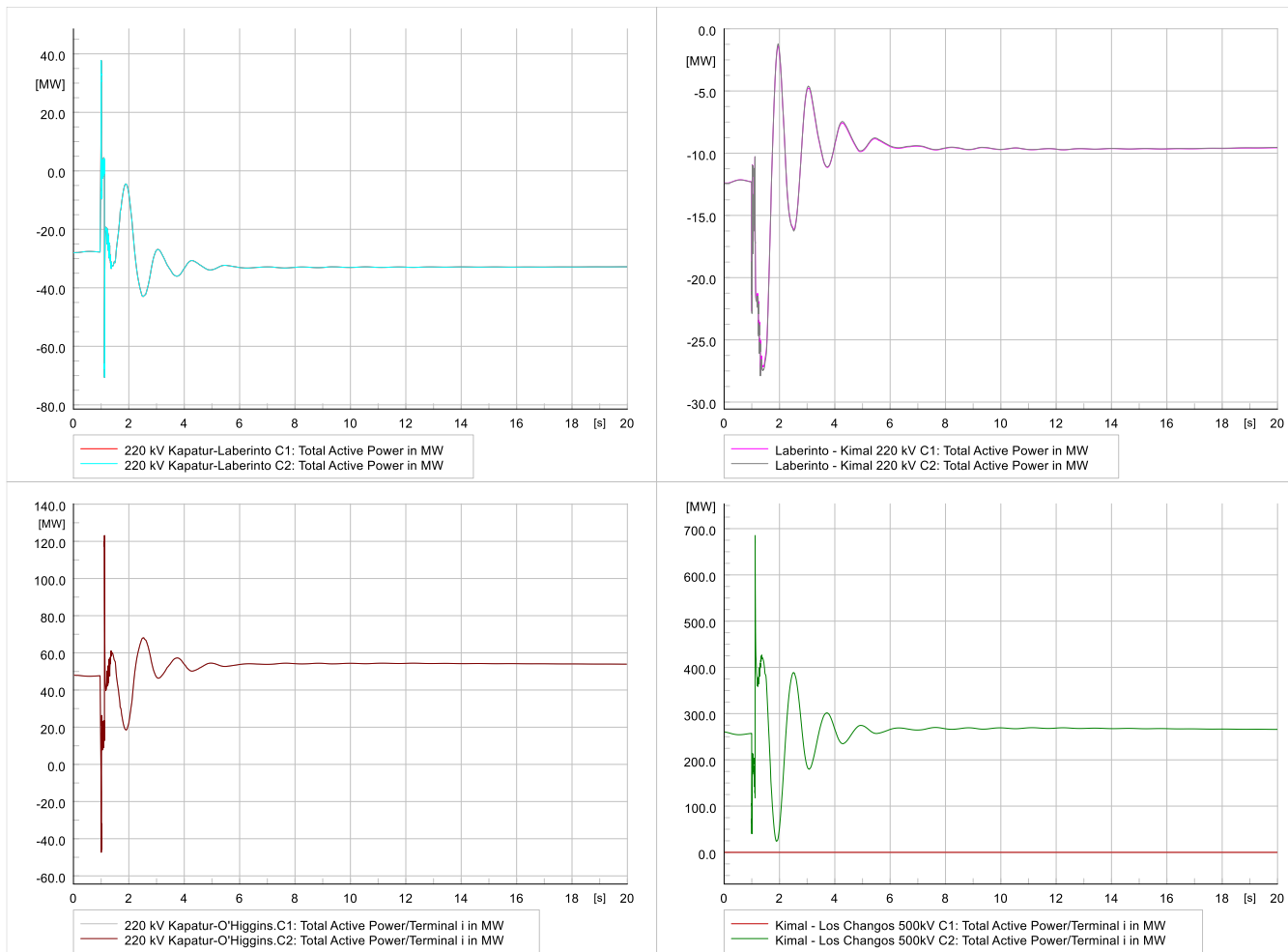
17.3 E1 2024_03_04 DA 16 Hrs.- Ancoa - Charrúa 500kV

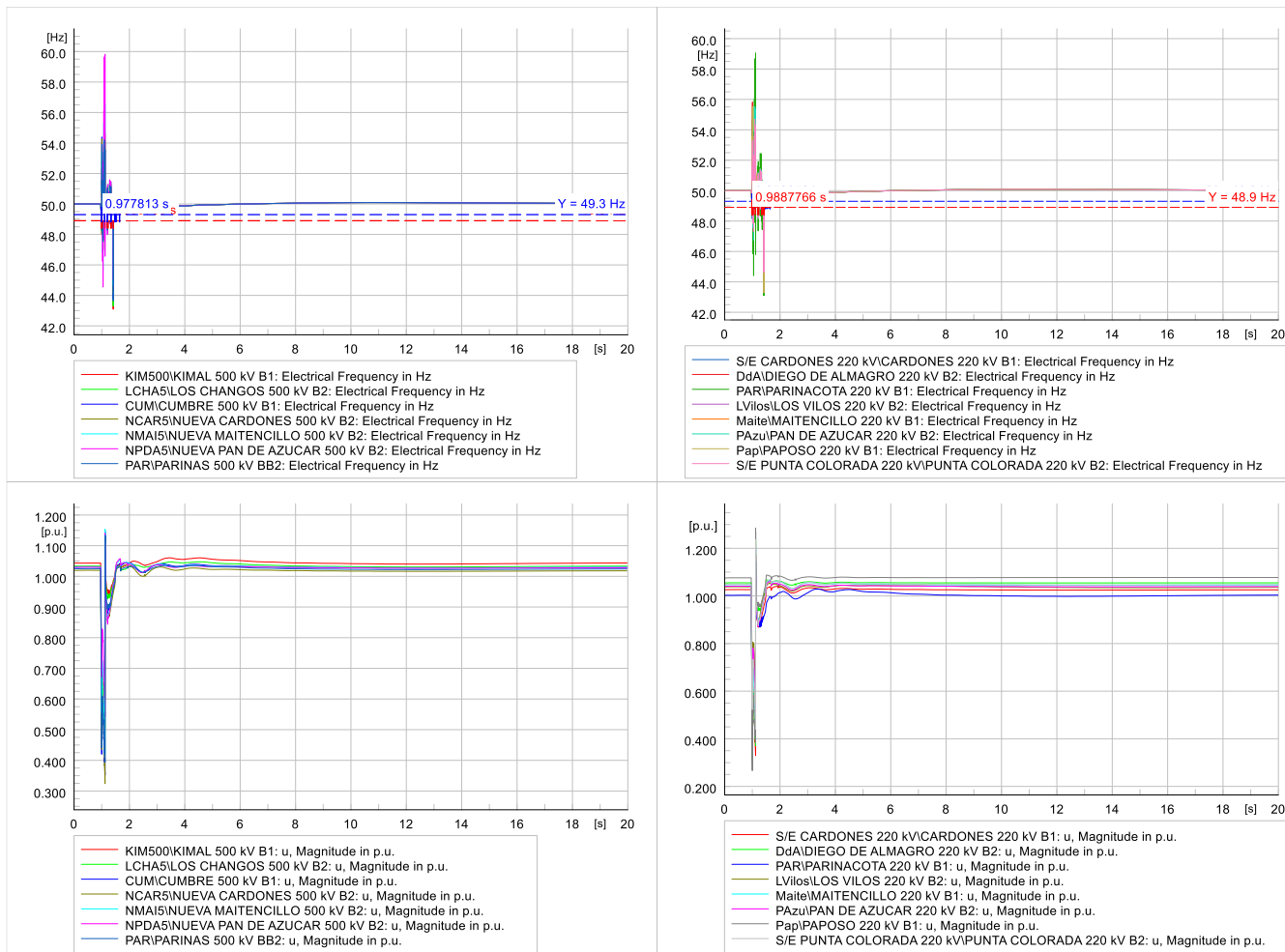


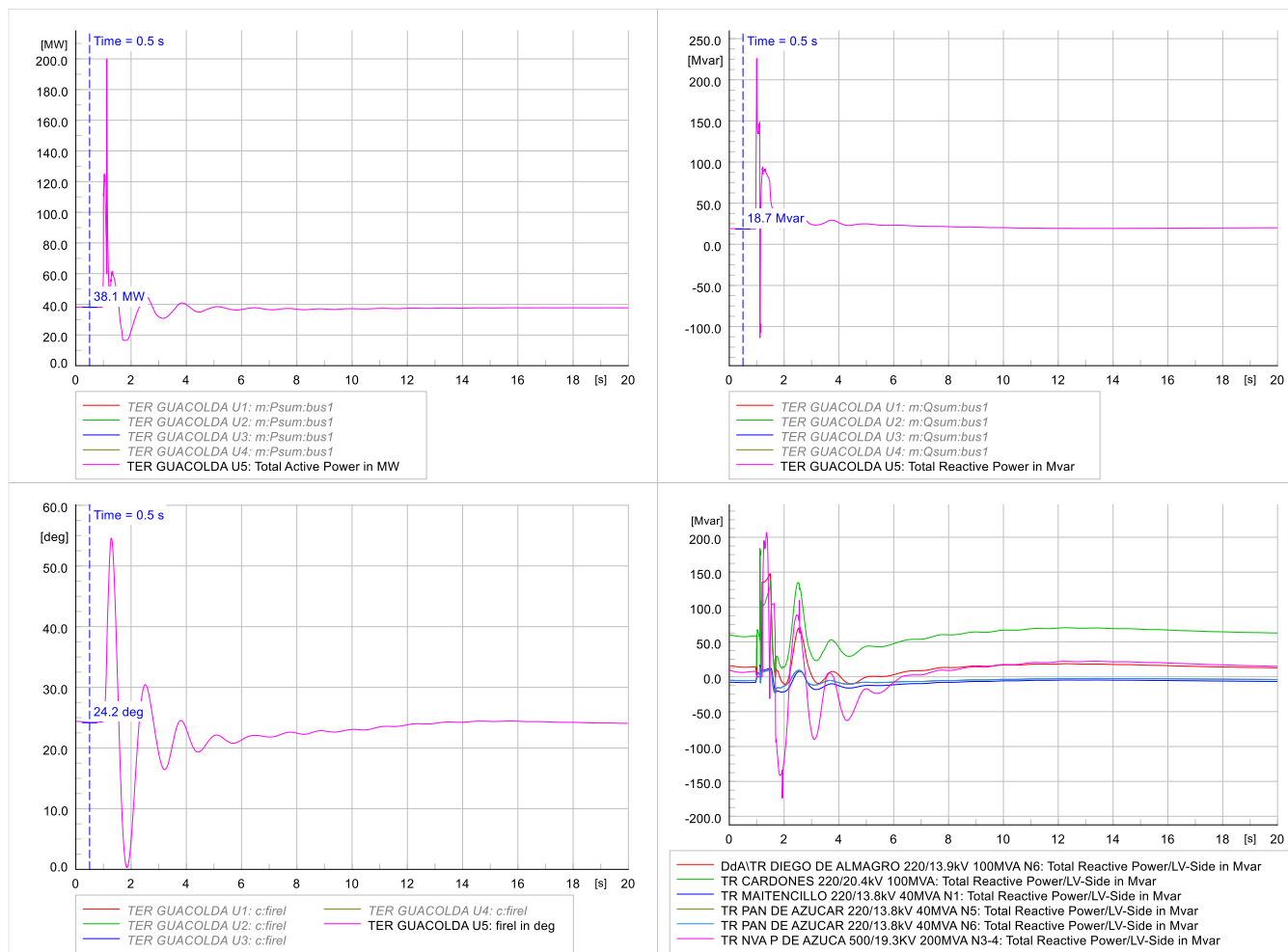


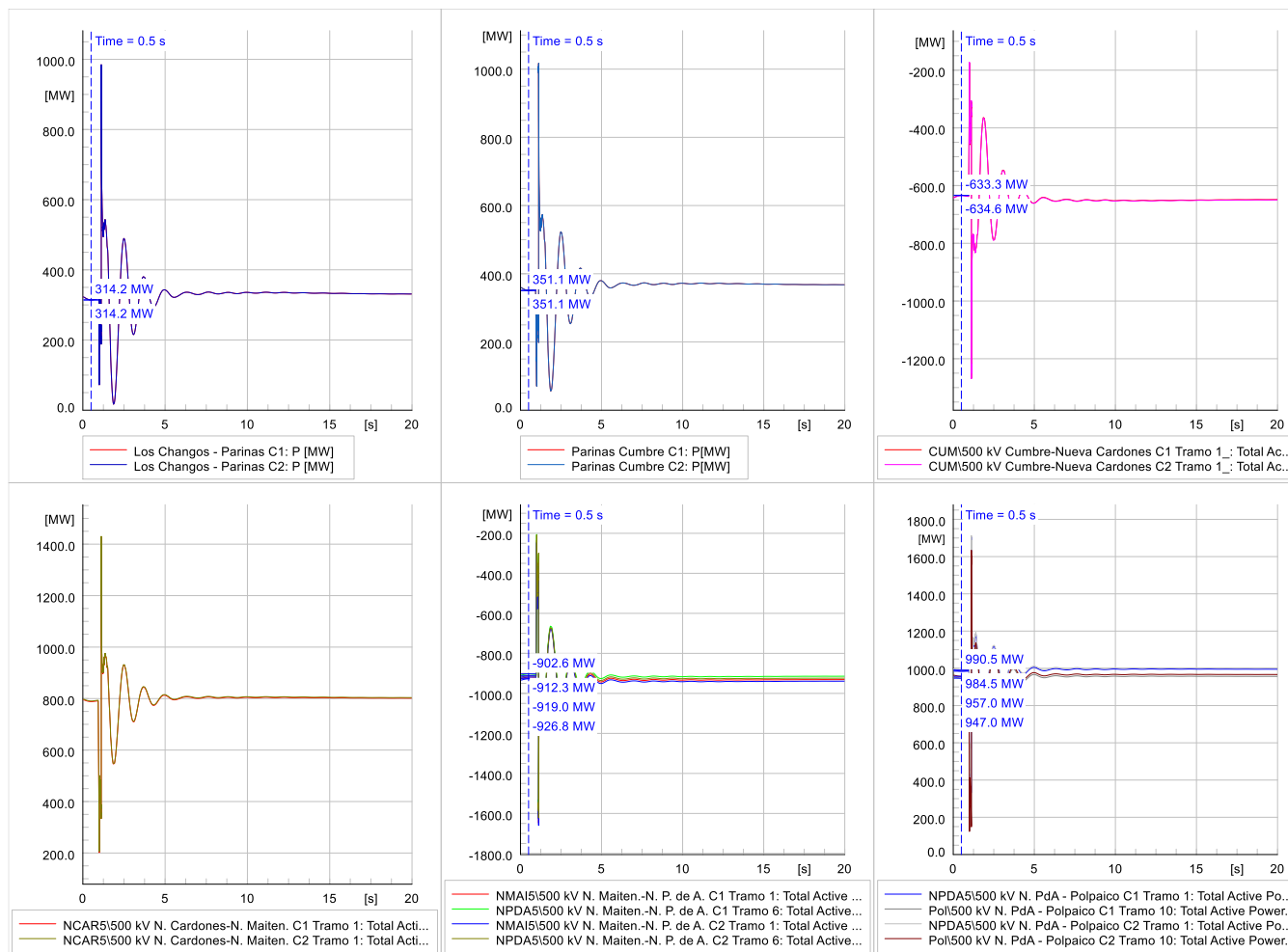


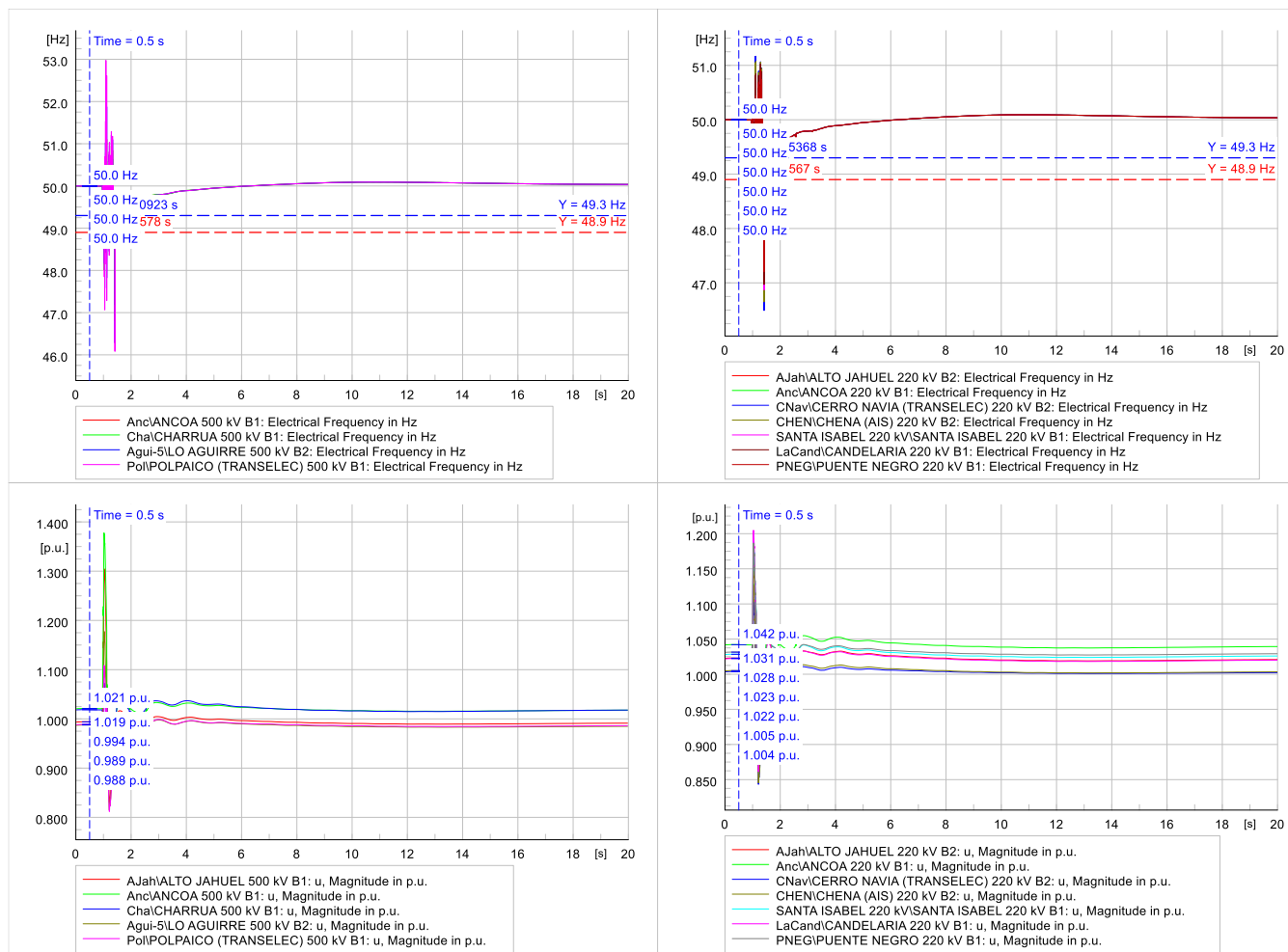


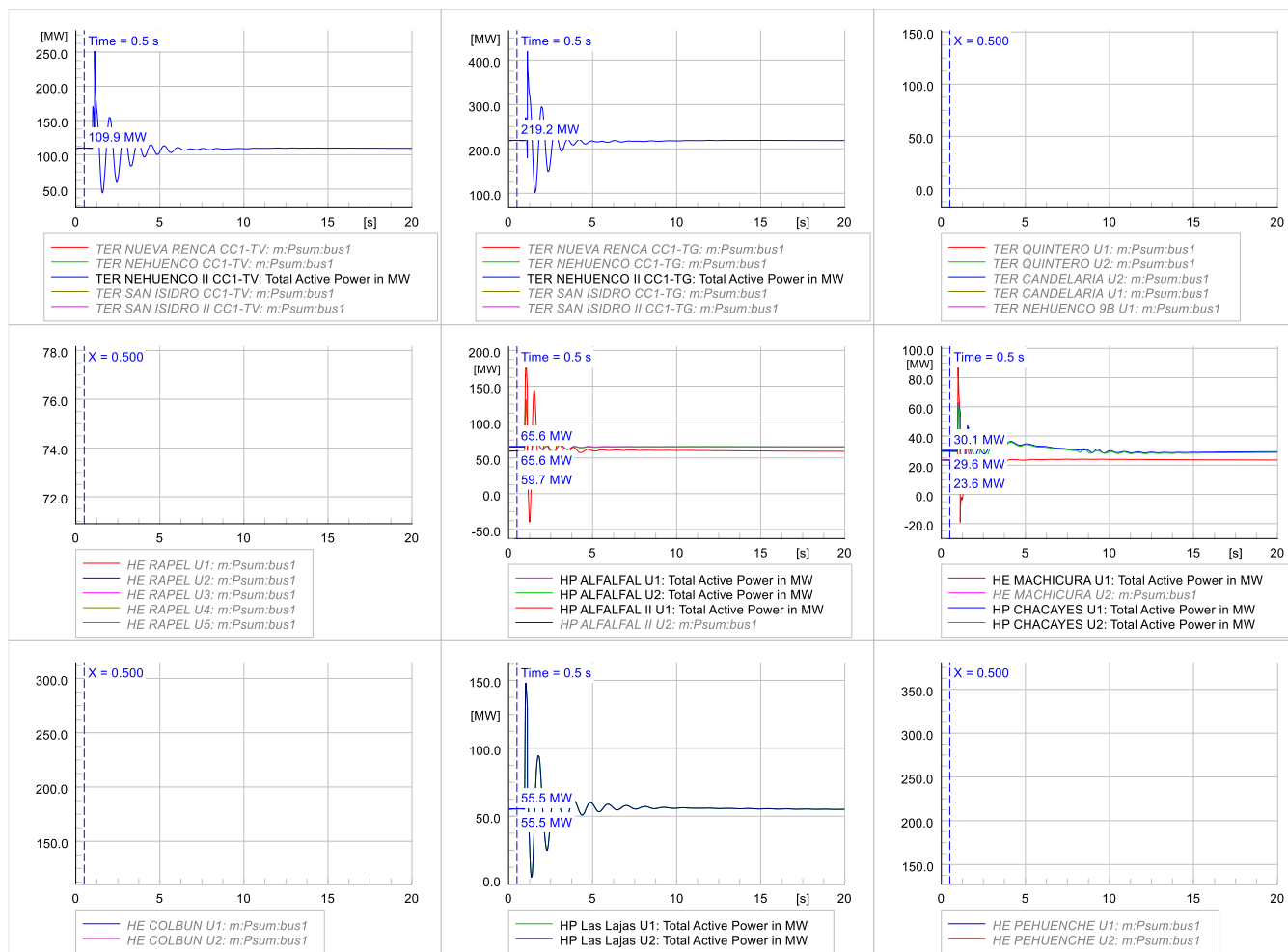


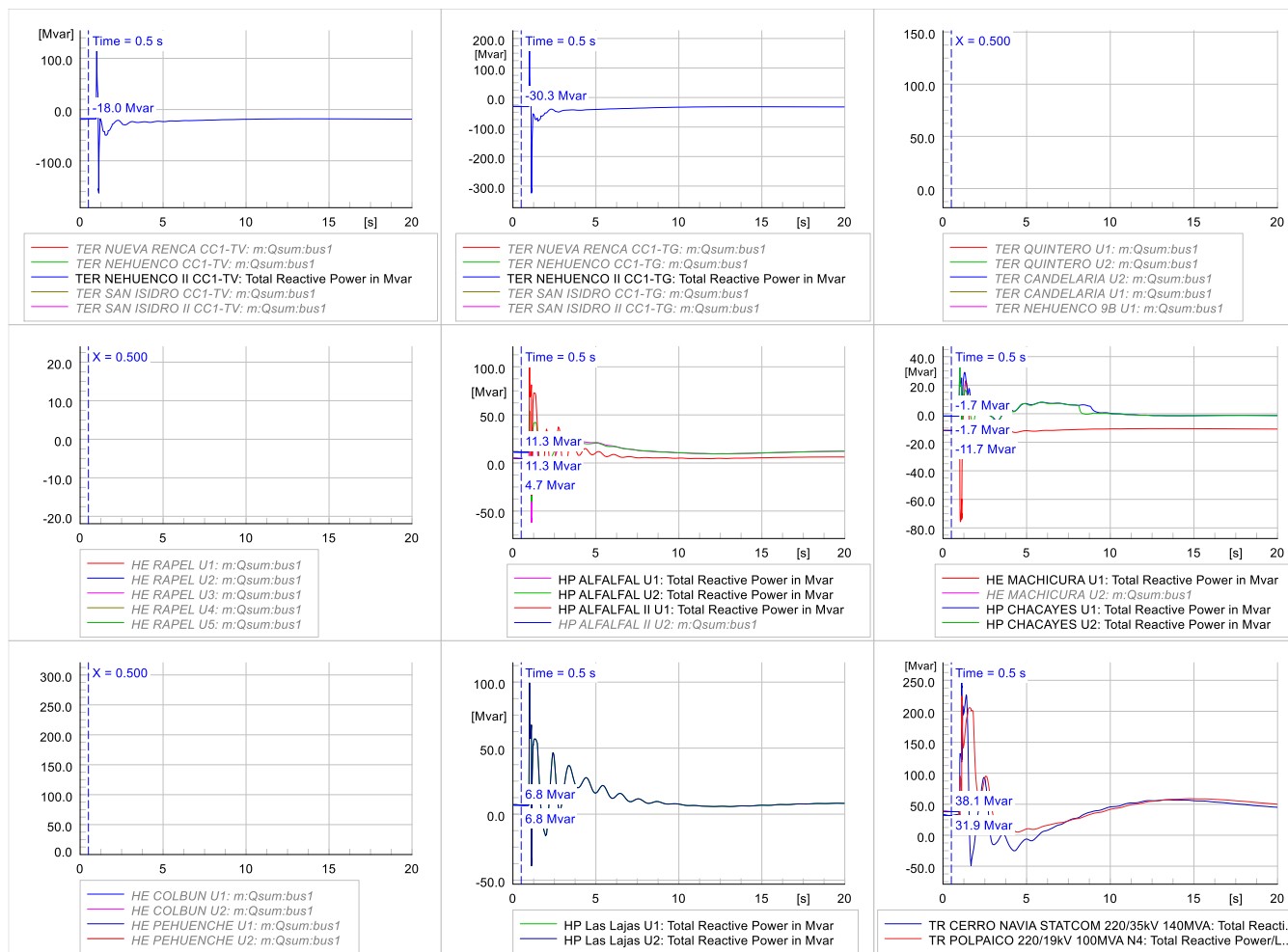


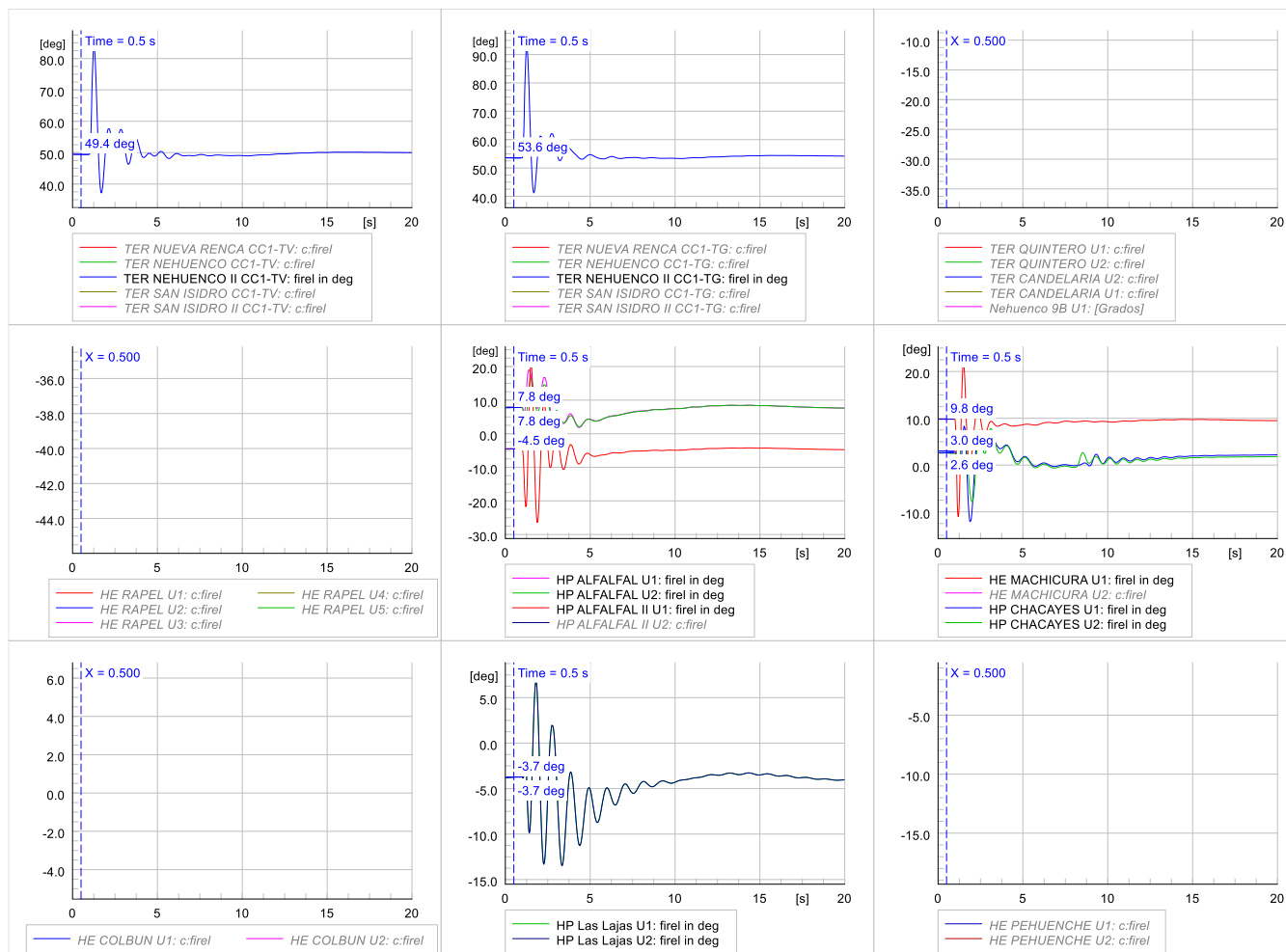


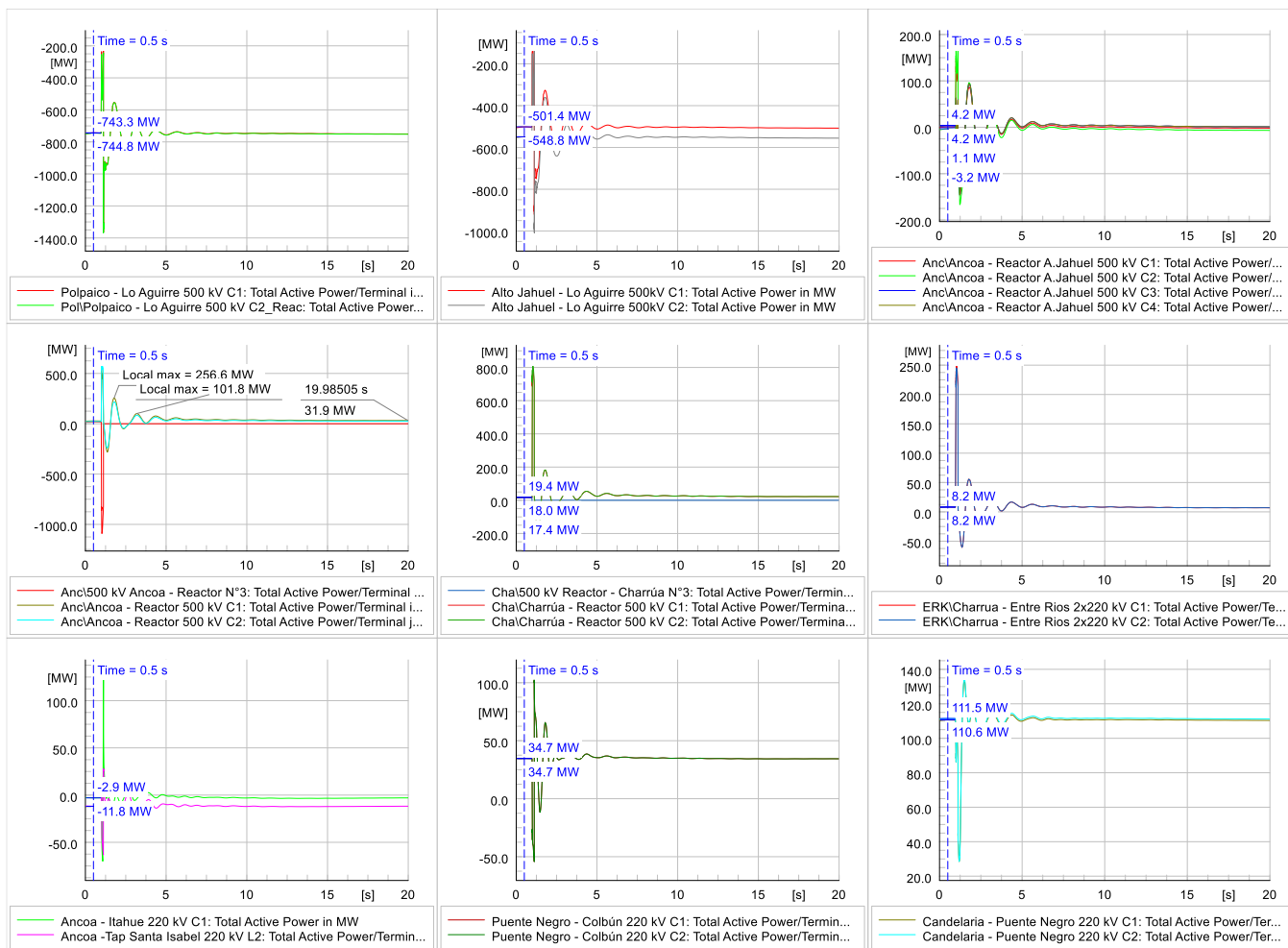


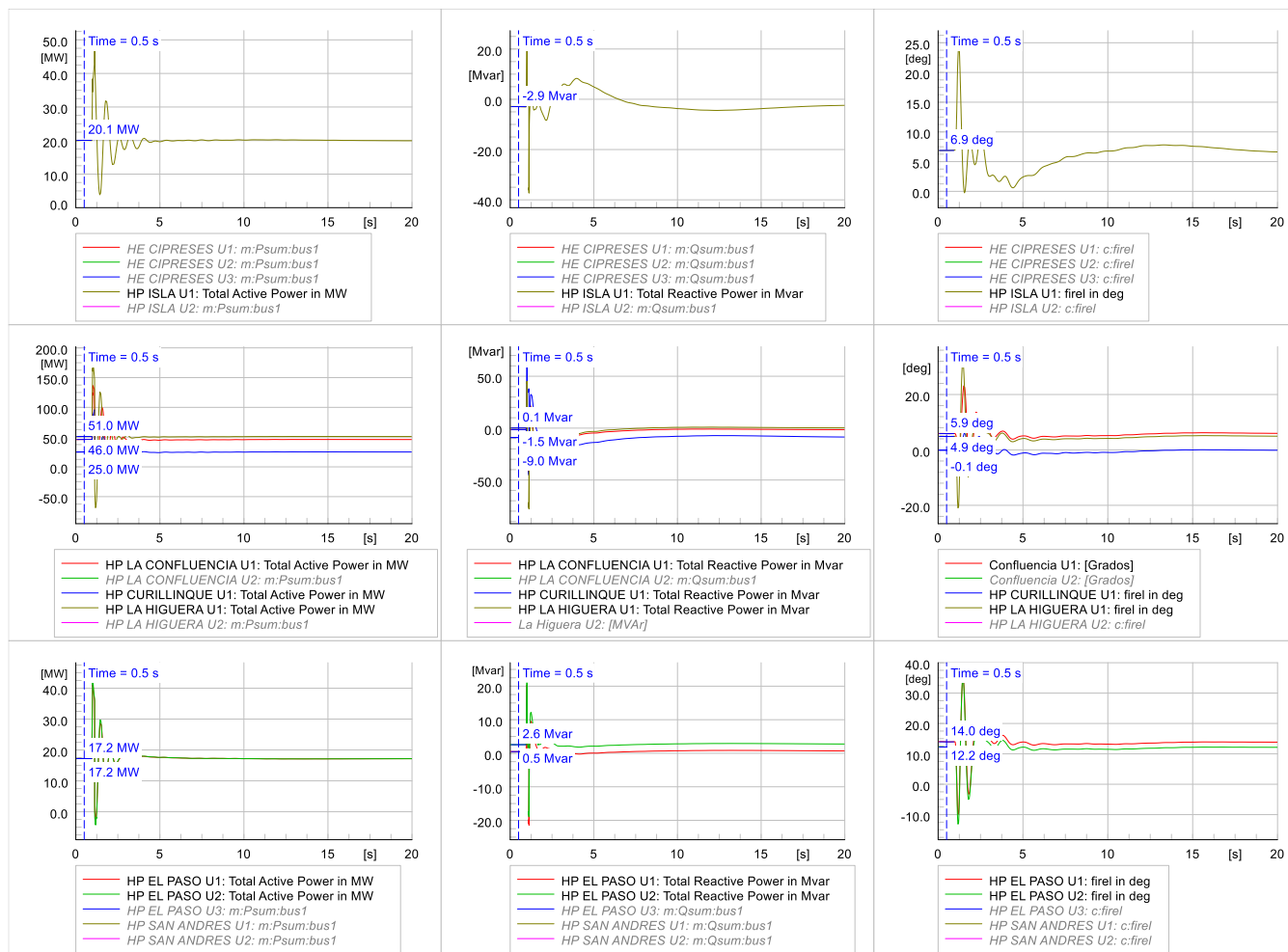


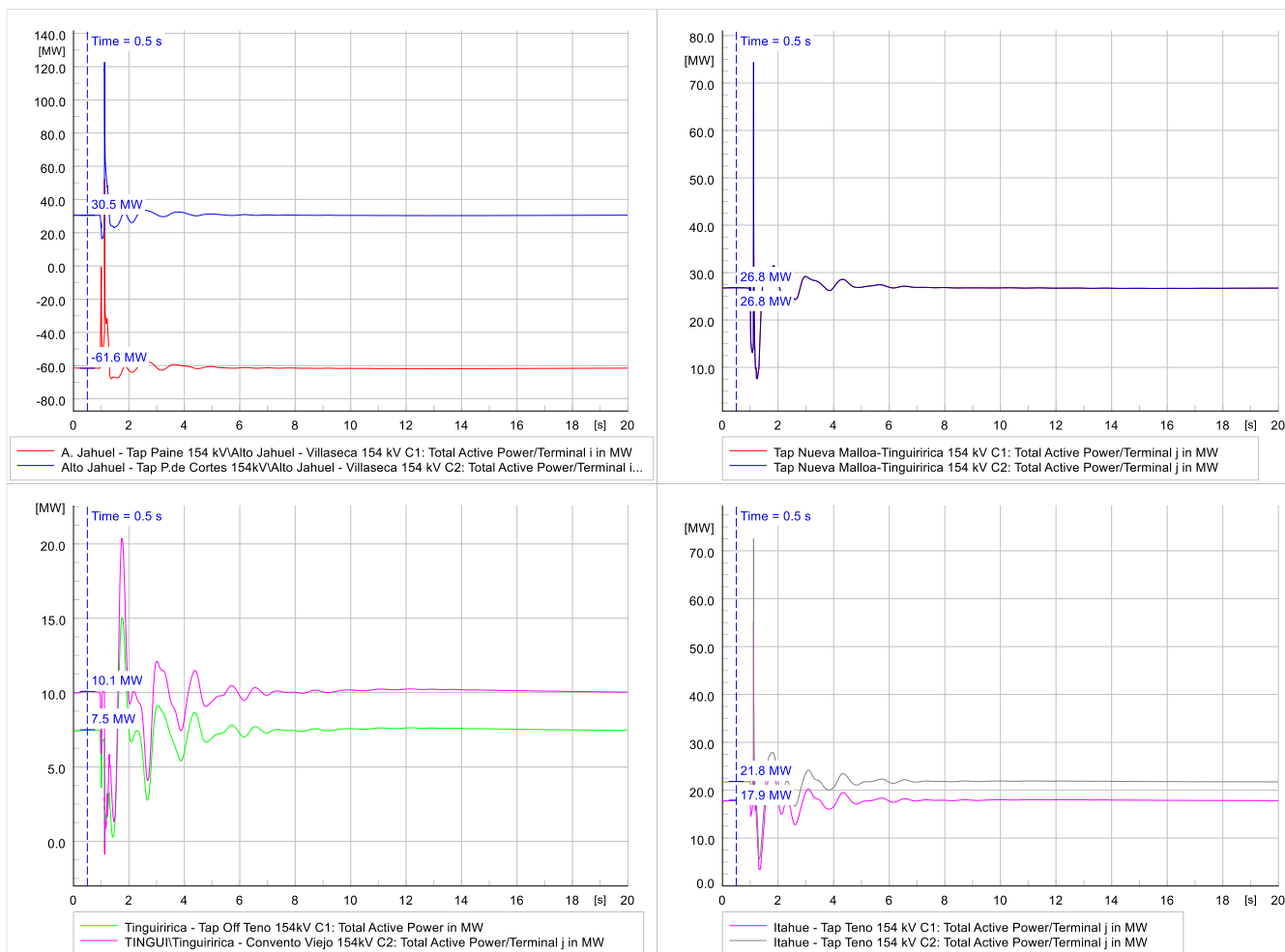


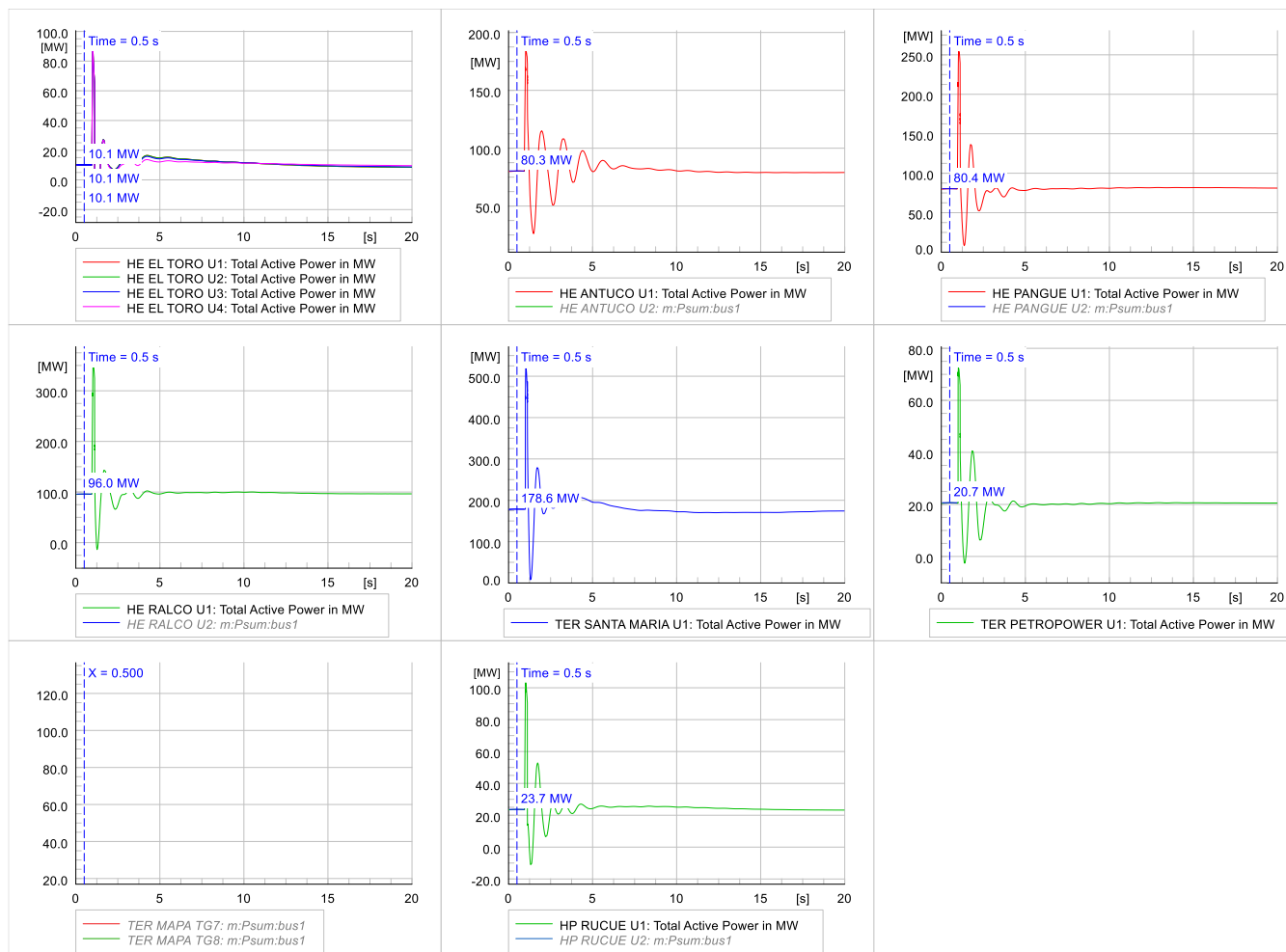


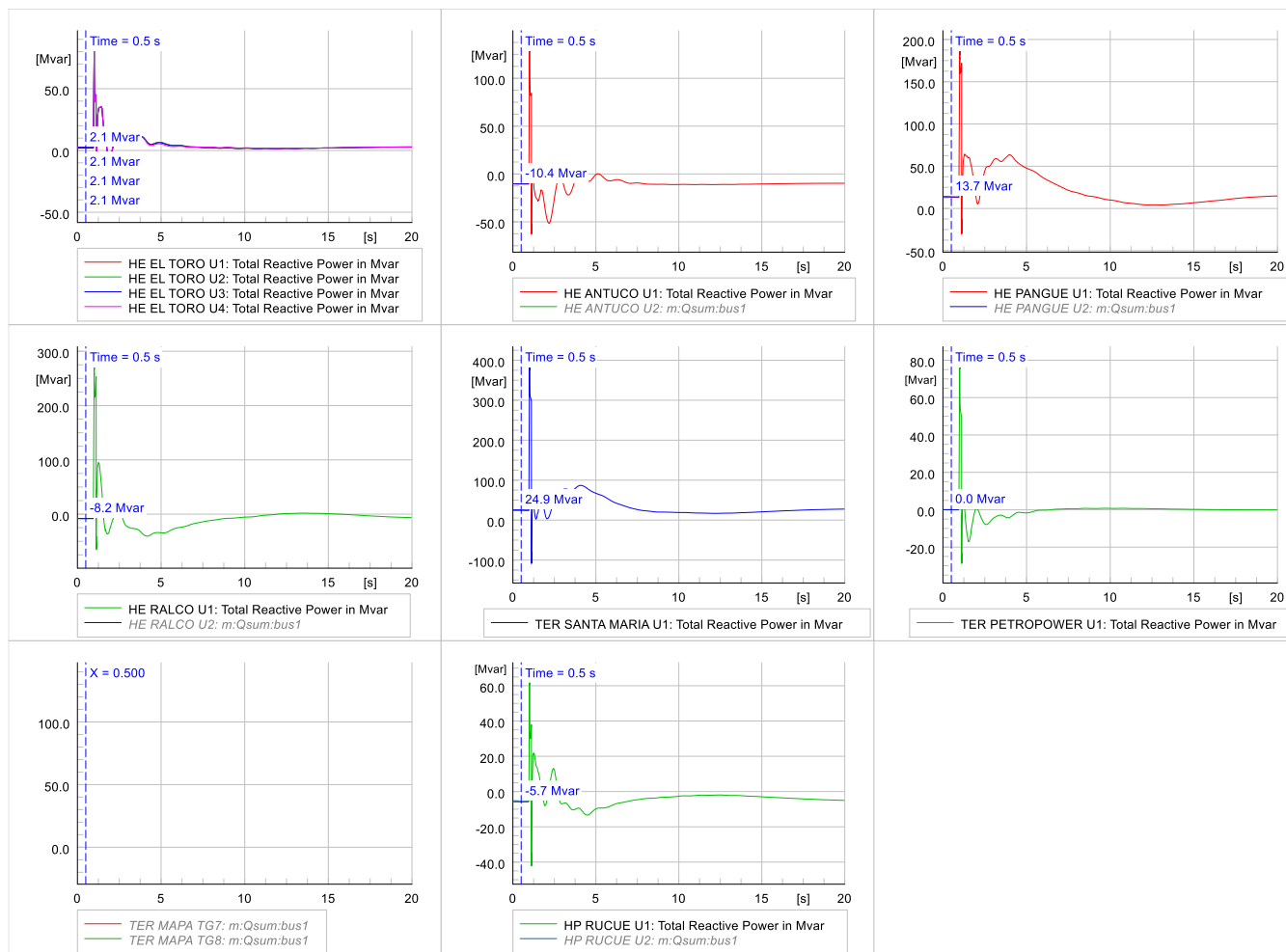


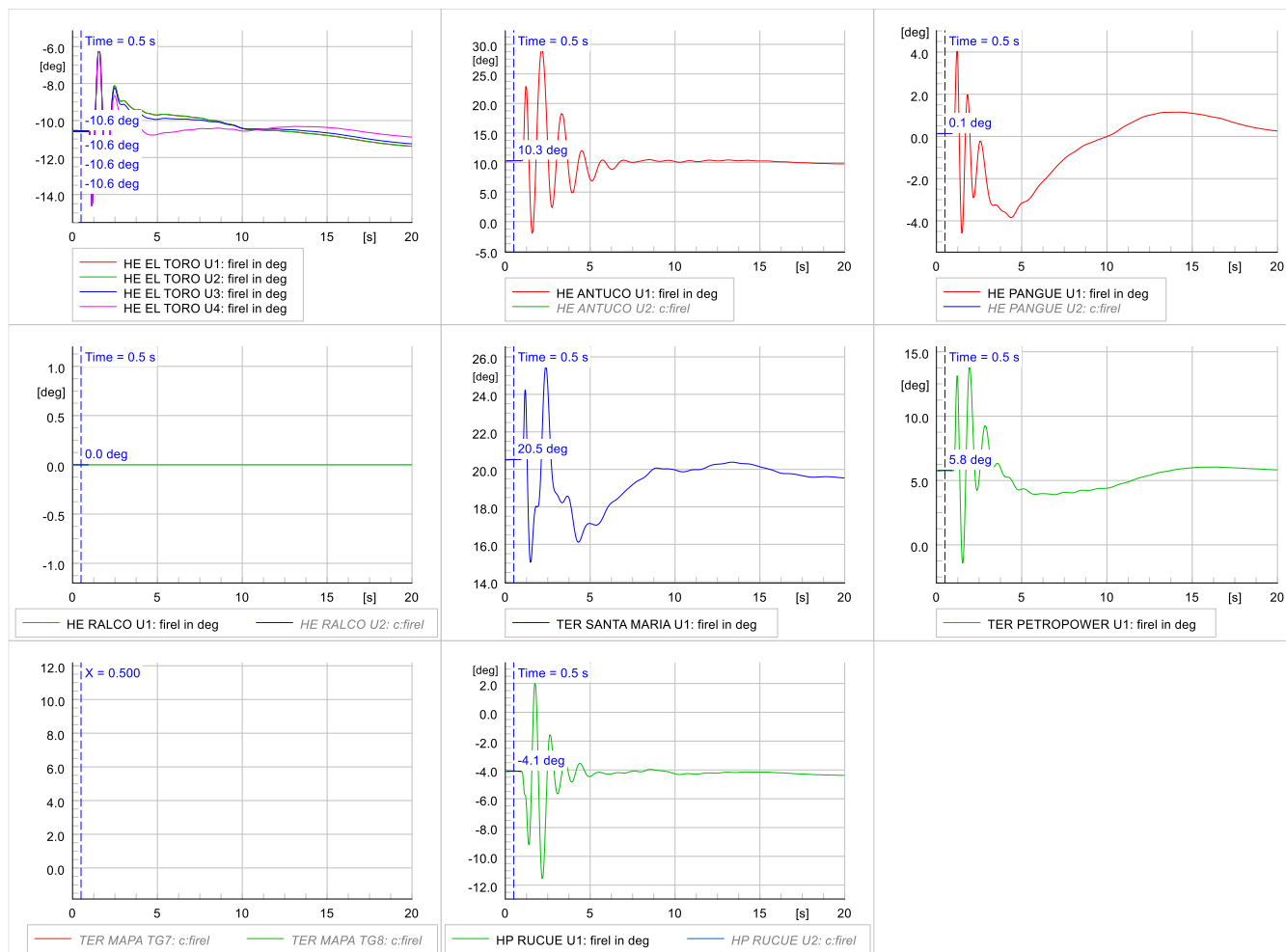


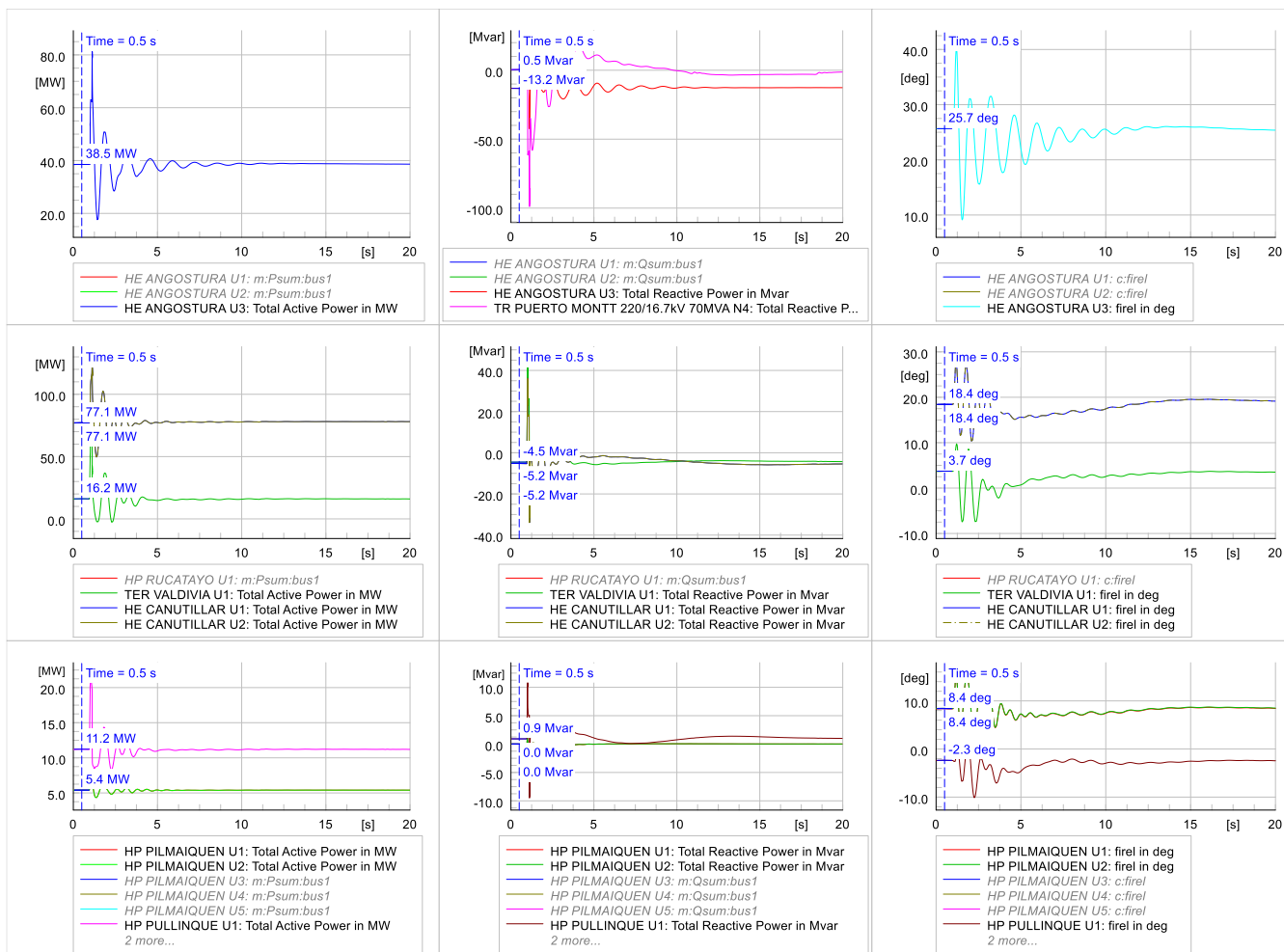


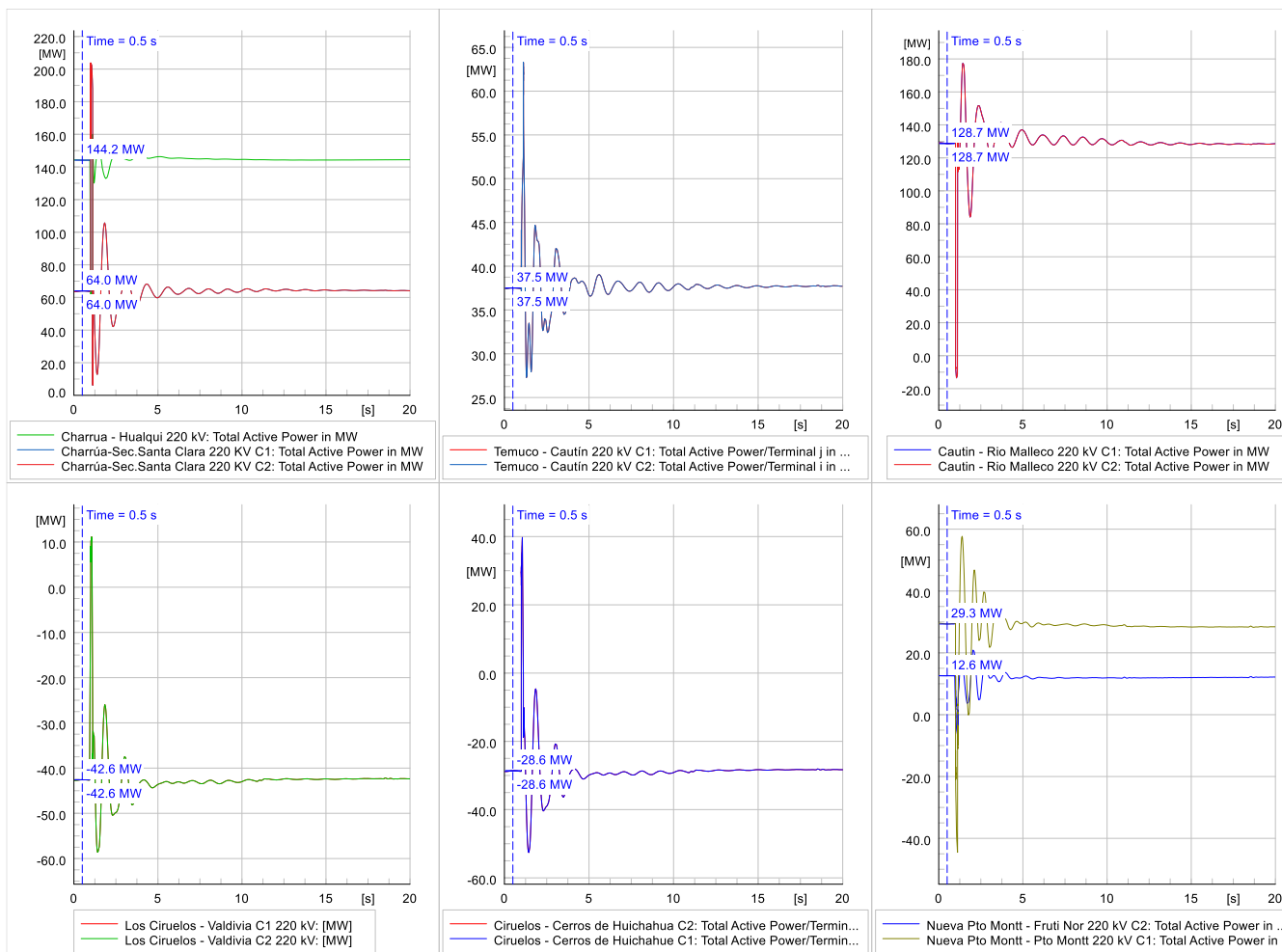




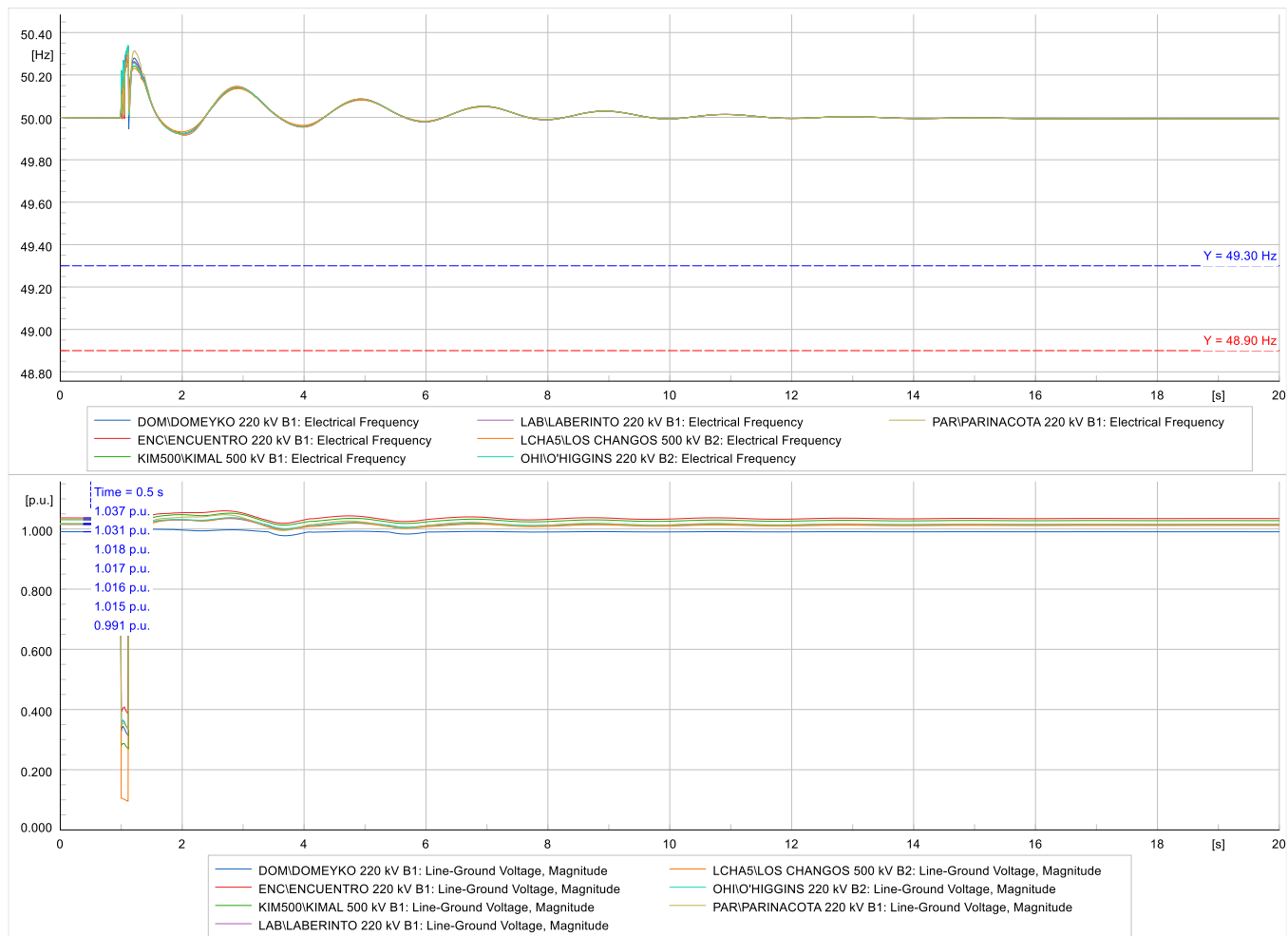


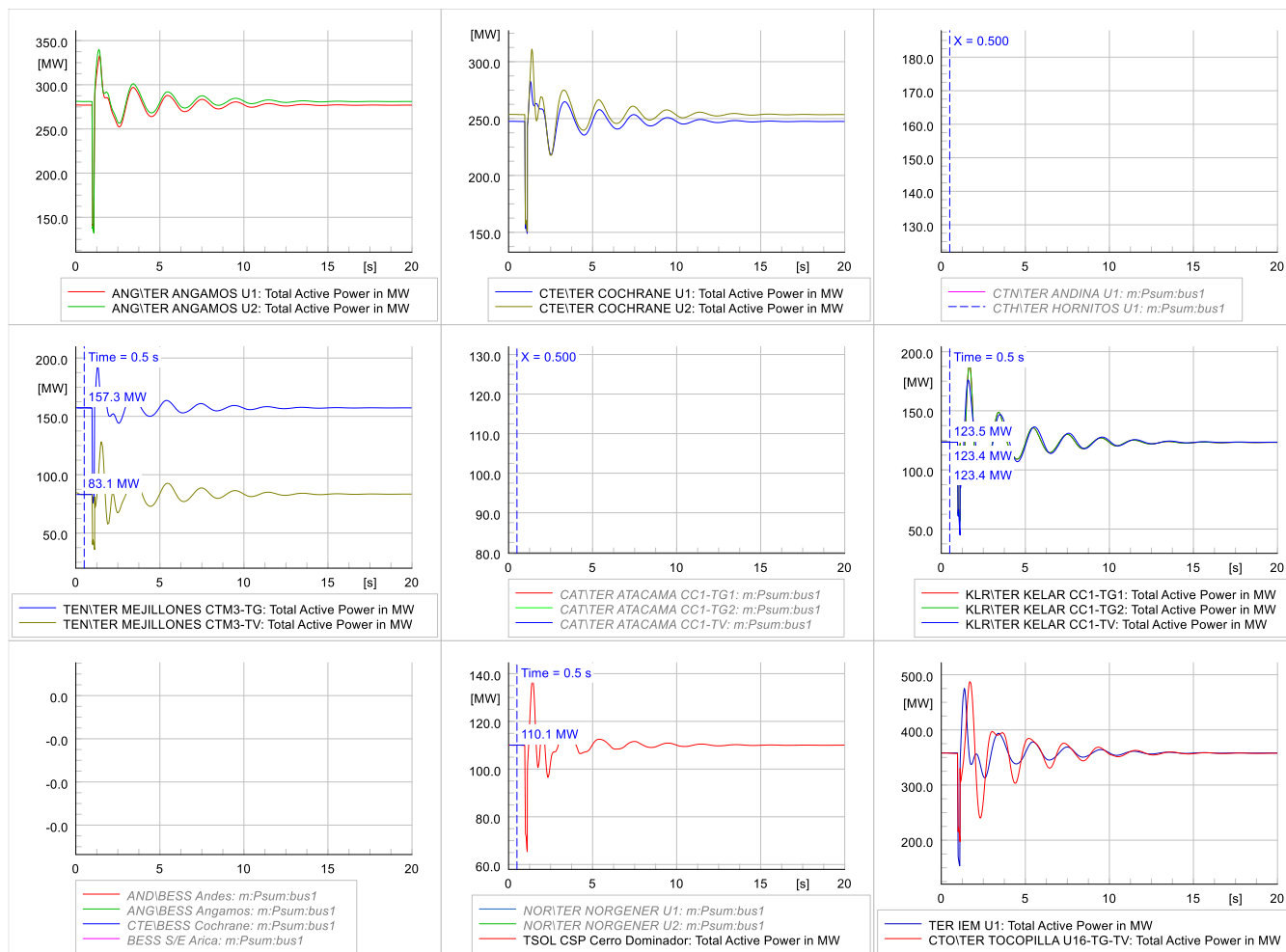


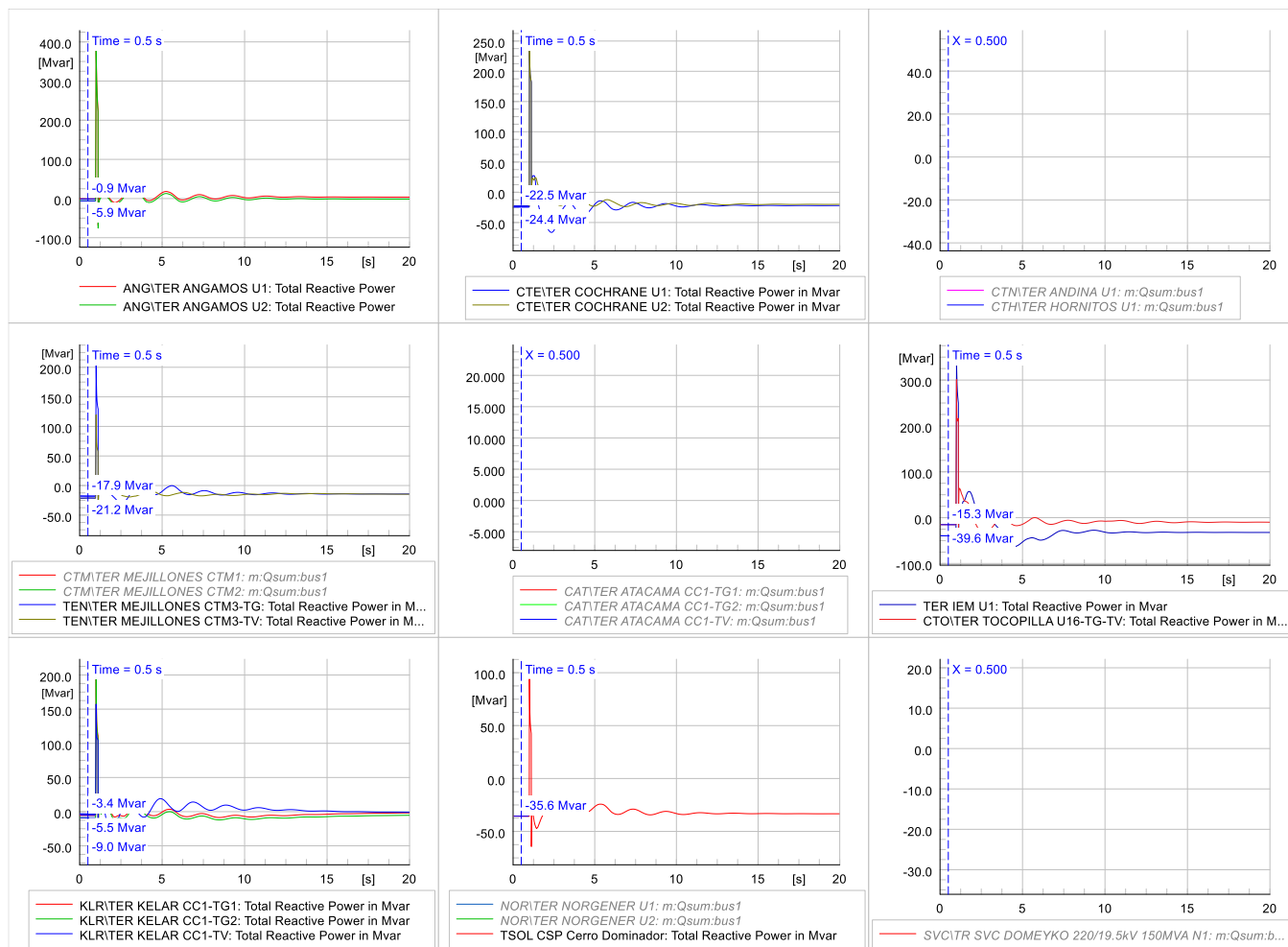


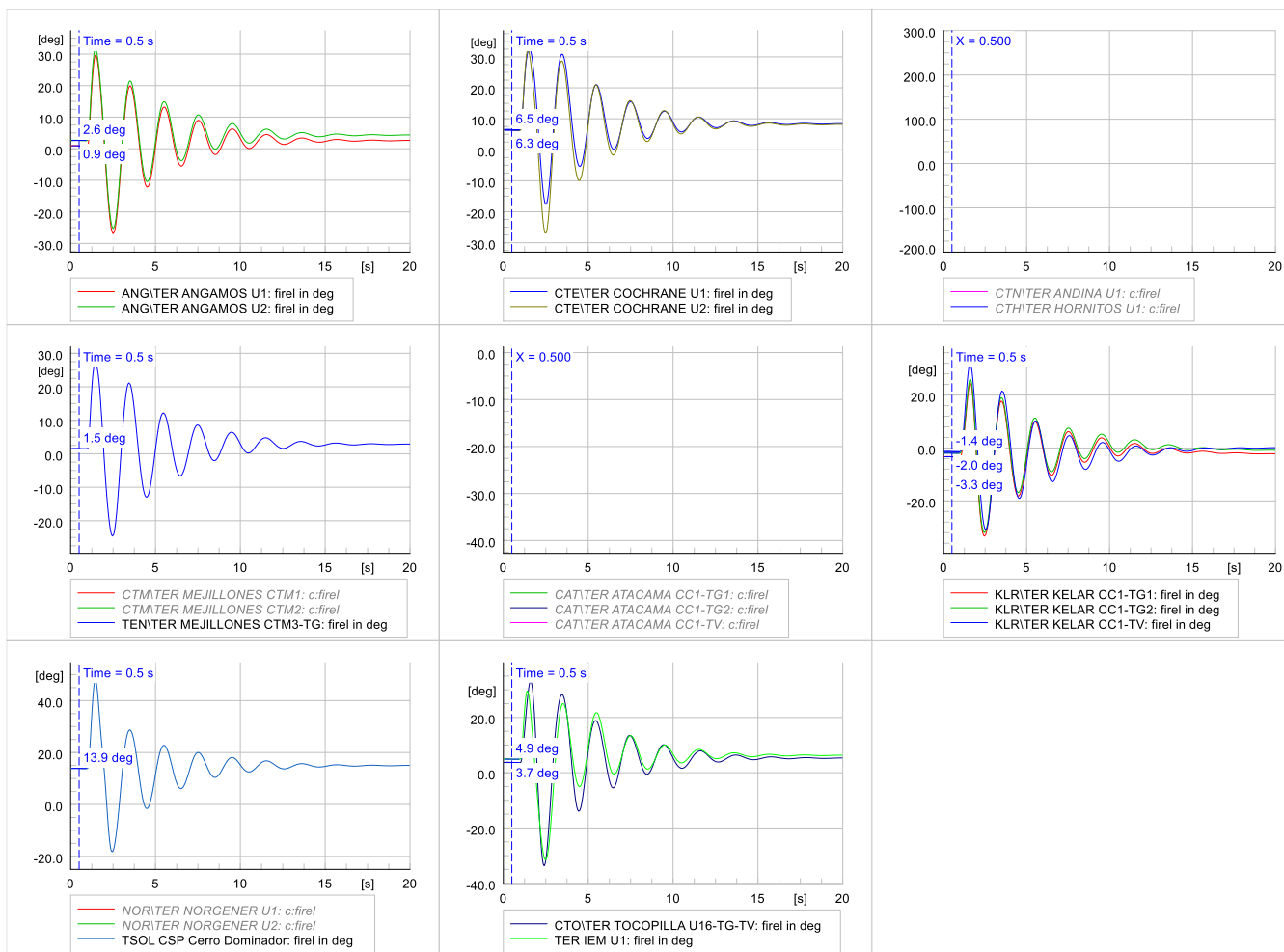


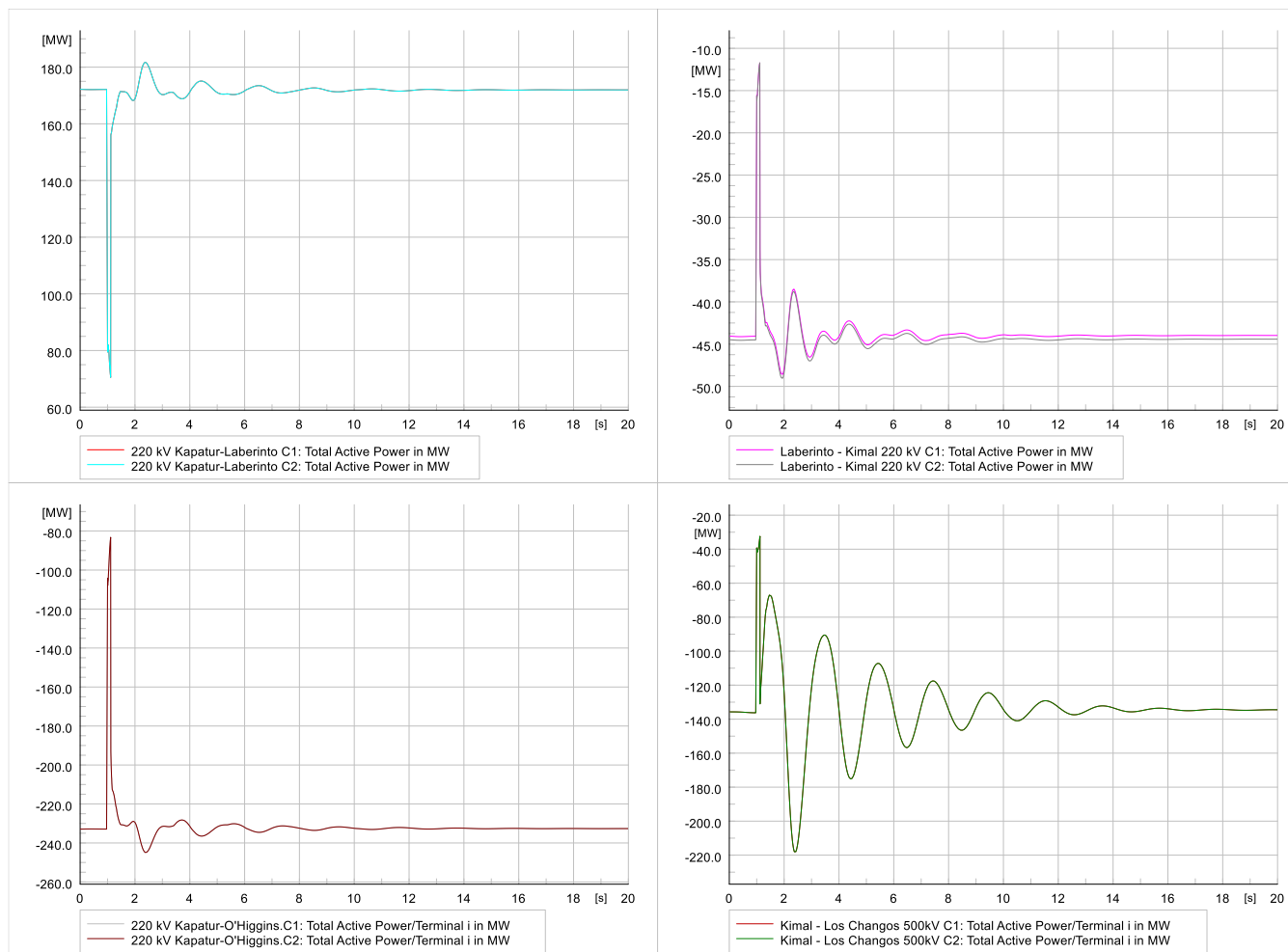
17.4 E2 2024_12_09 DA 22 Hrs.- Los Changos - Parinas 500Kv

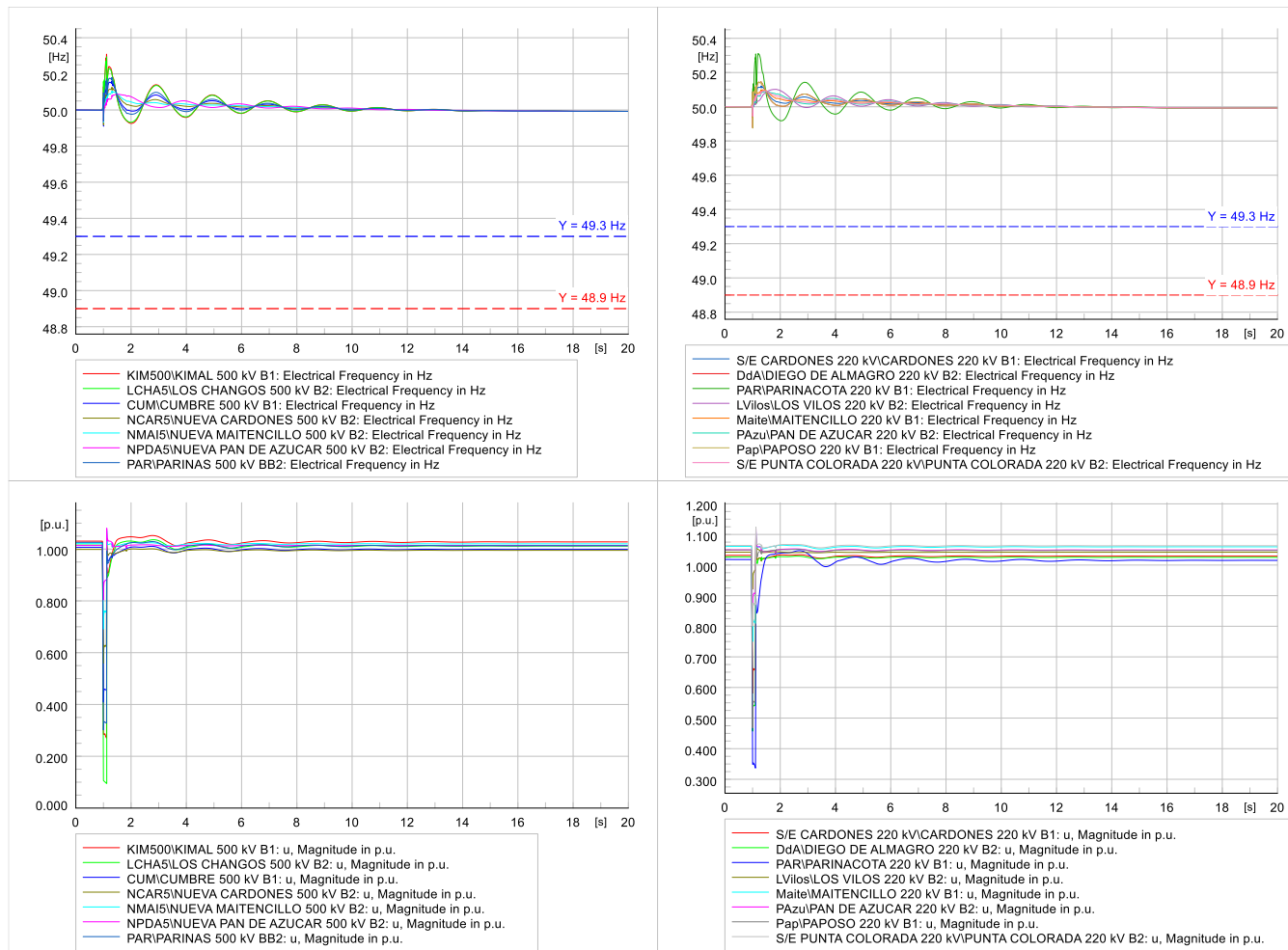


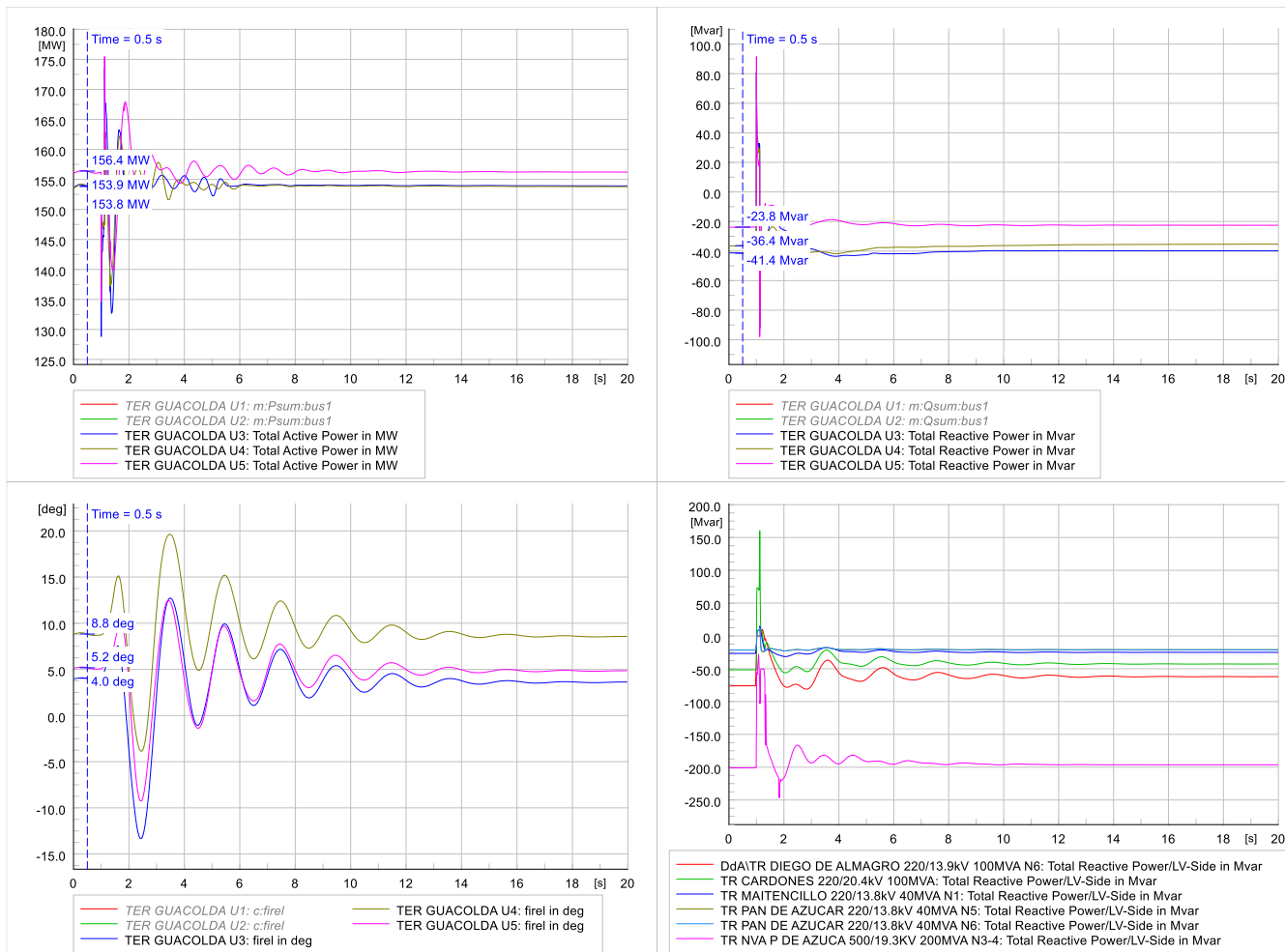


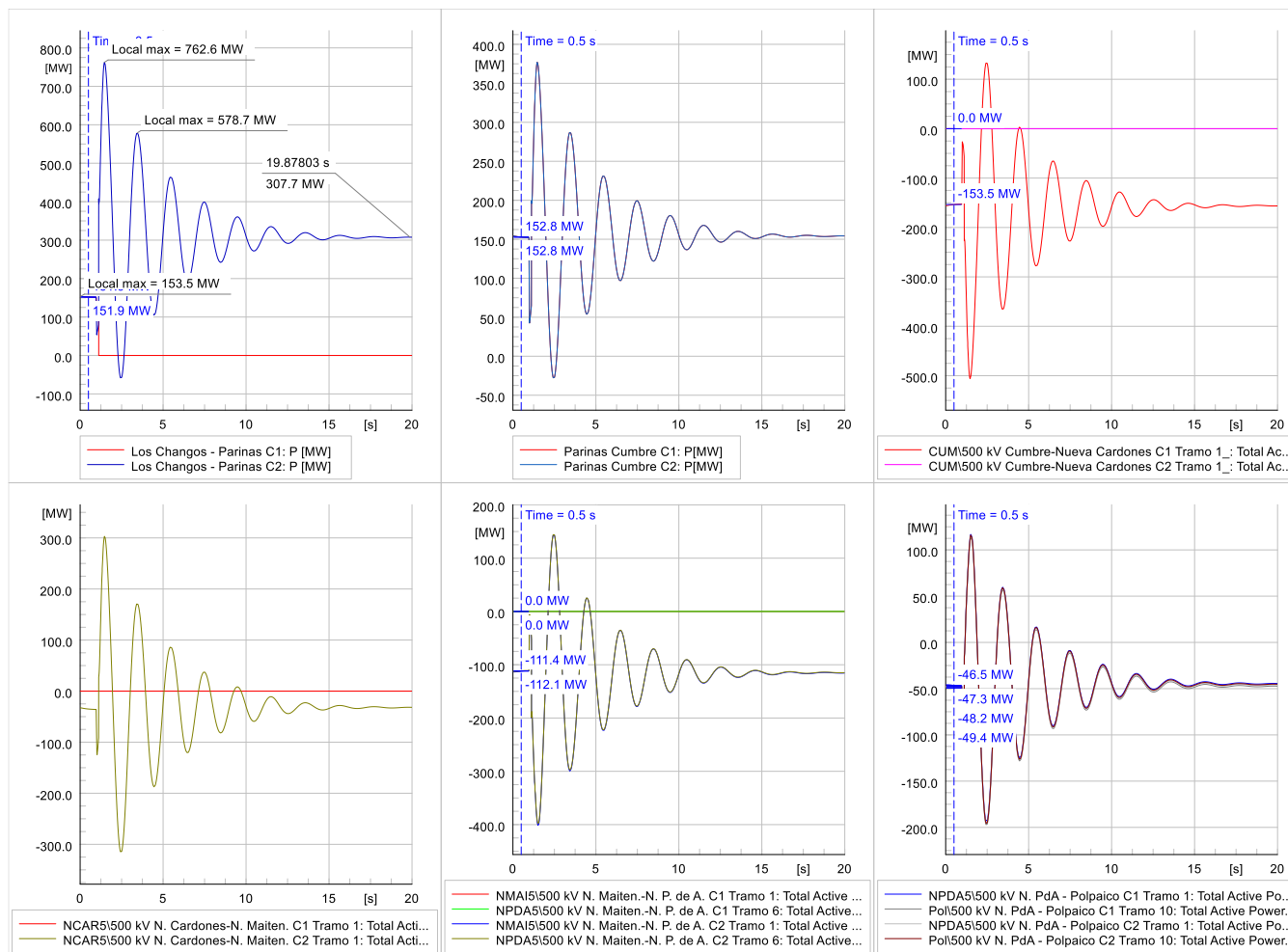


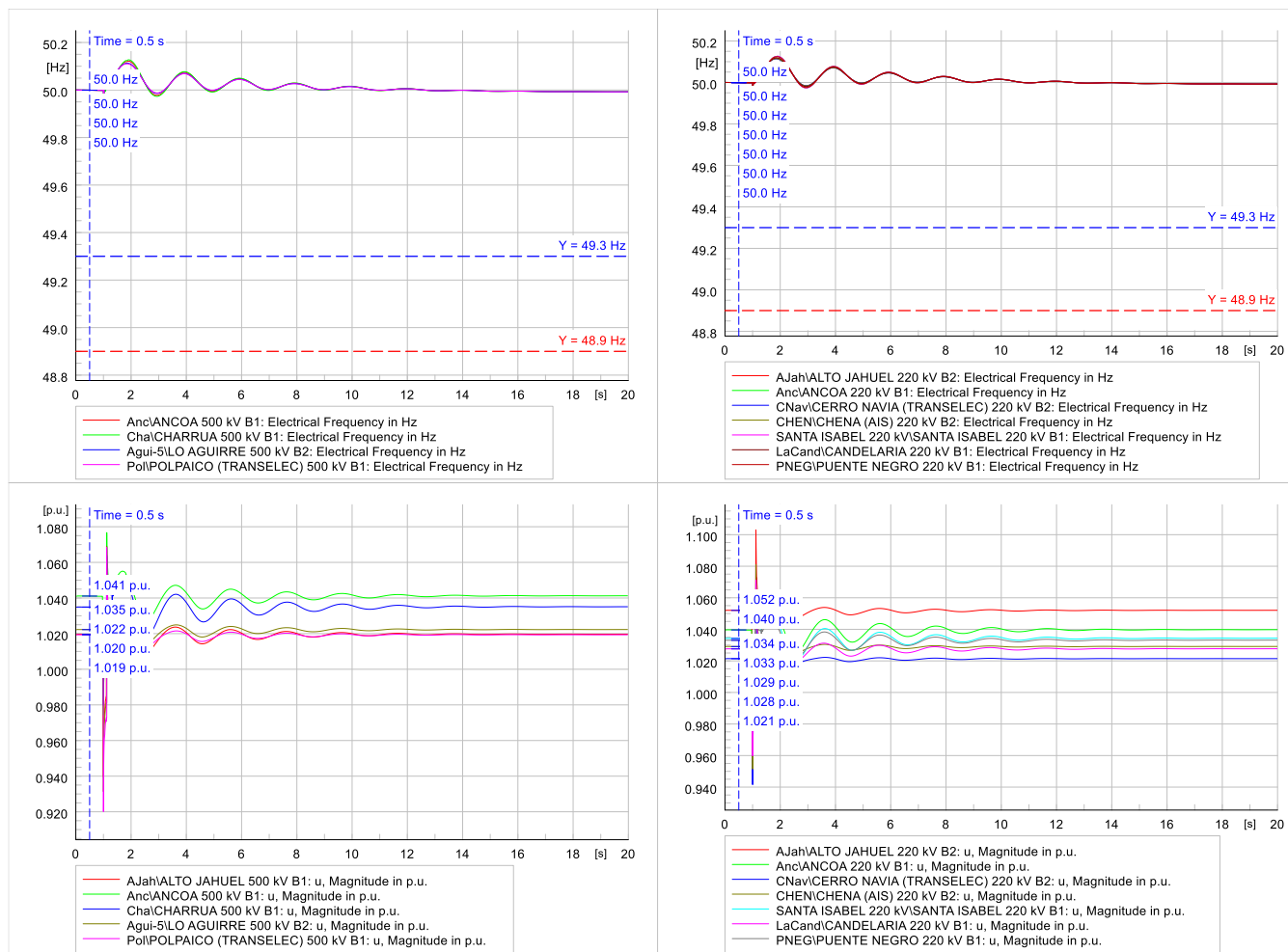


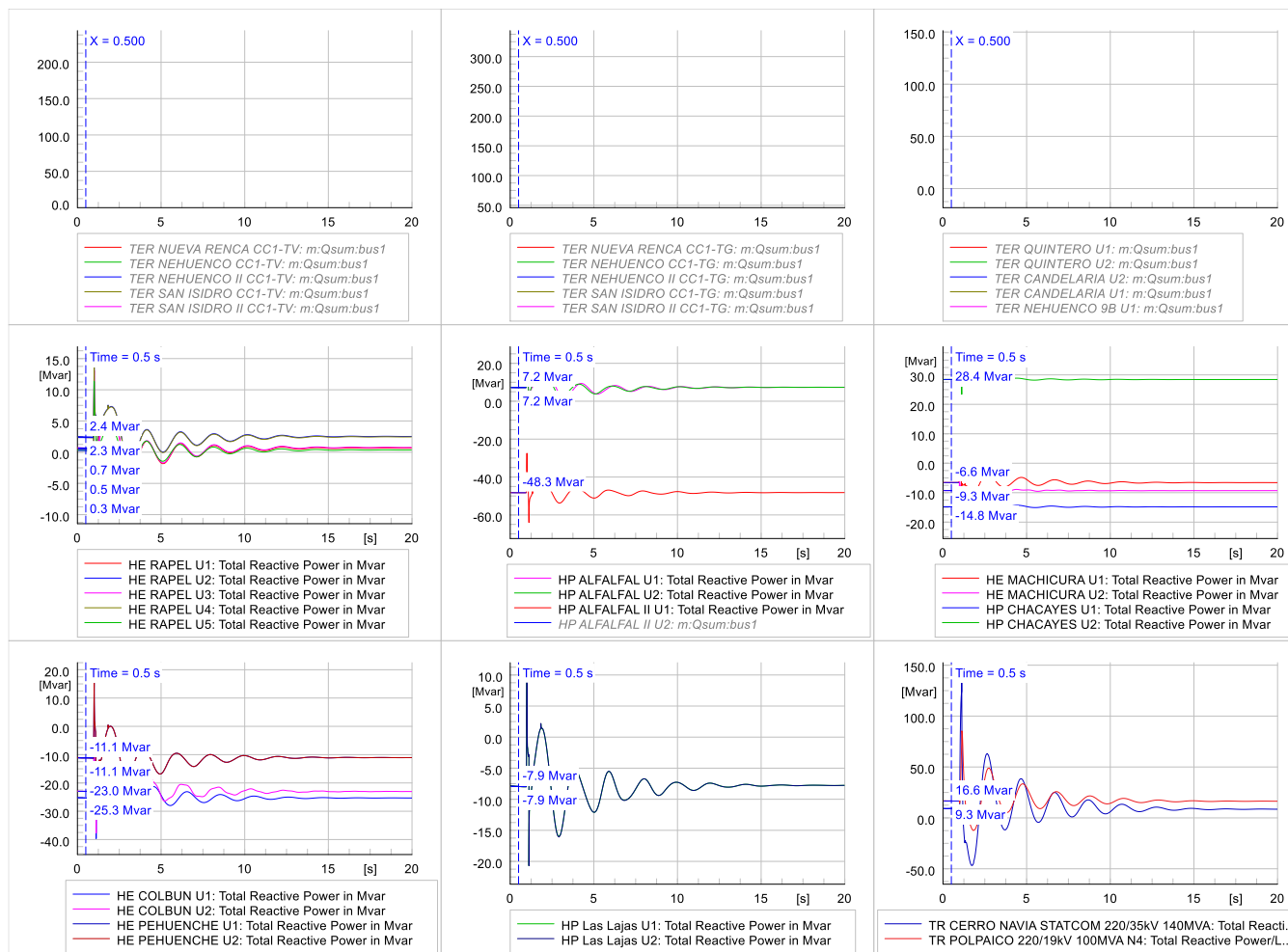


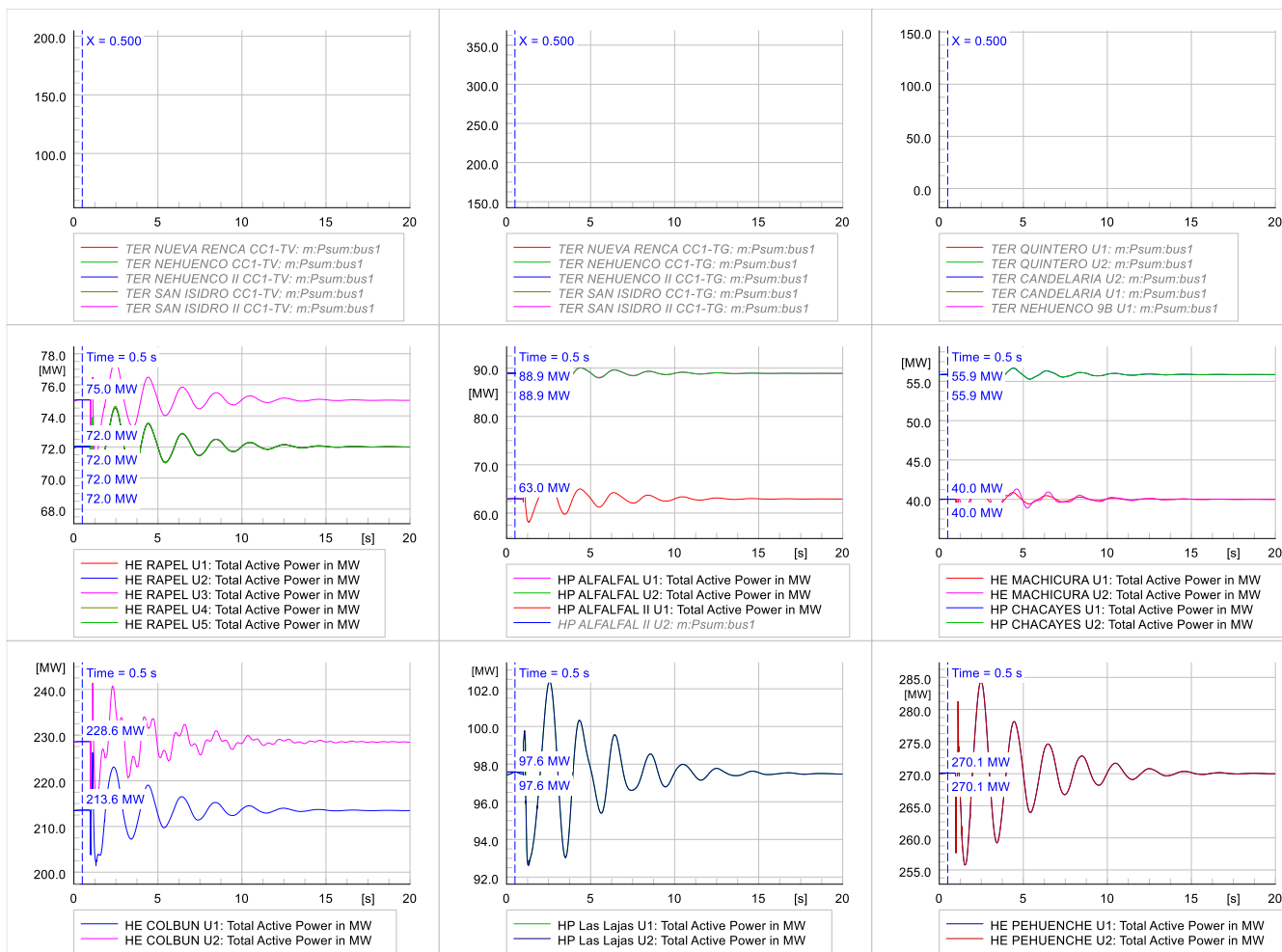


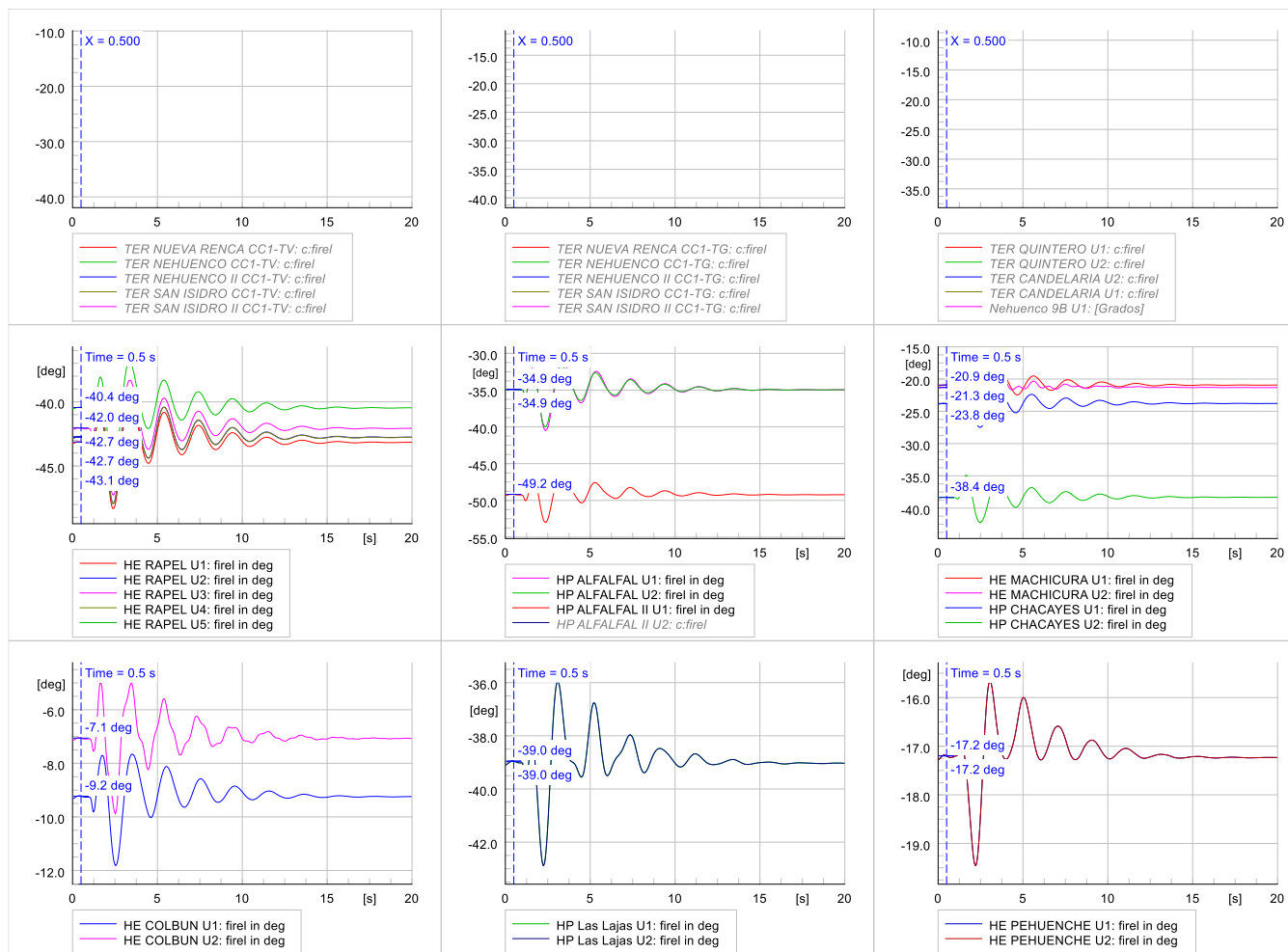


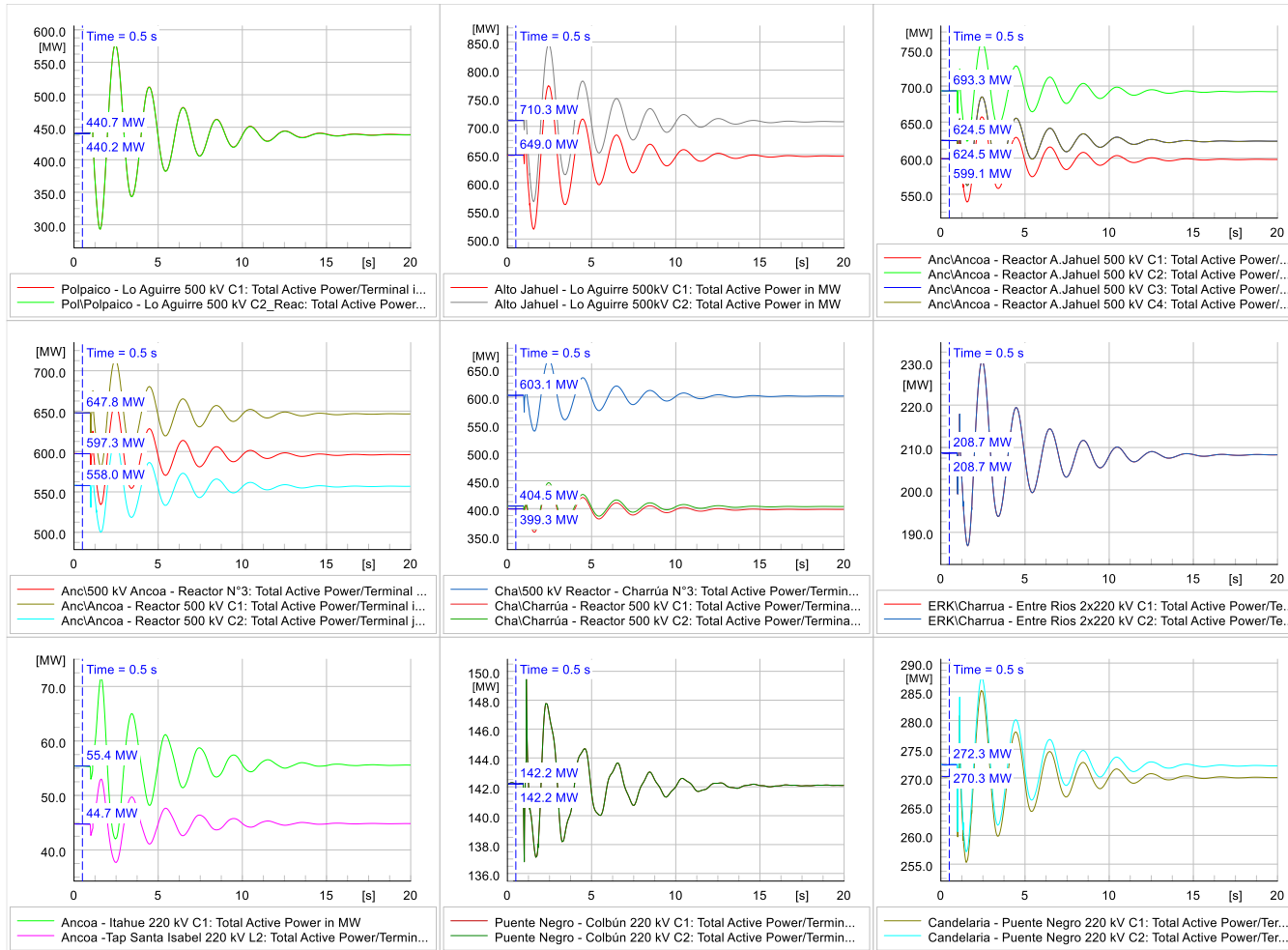


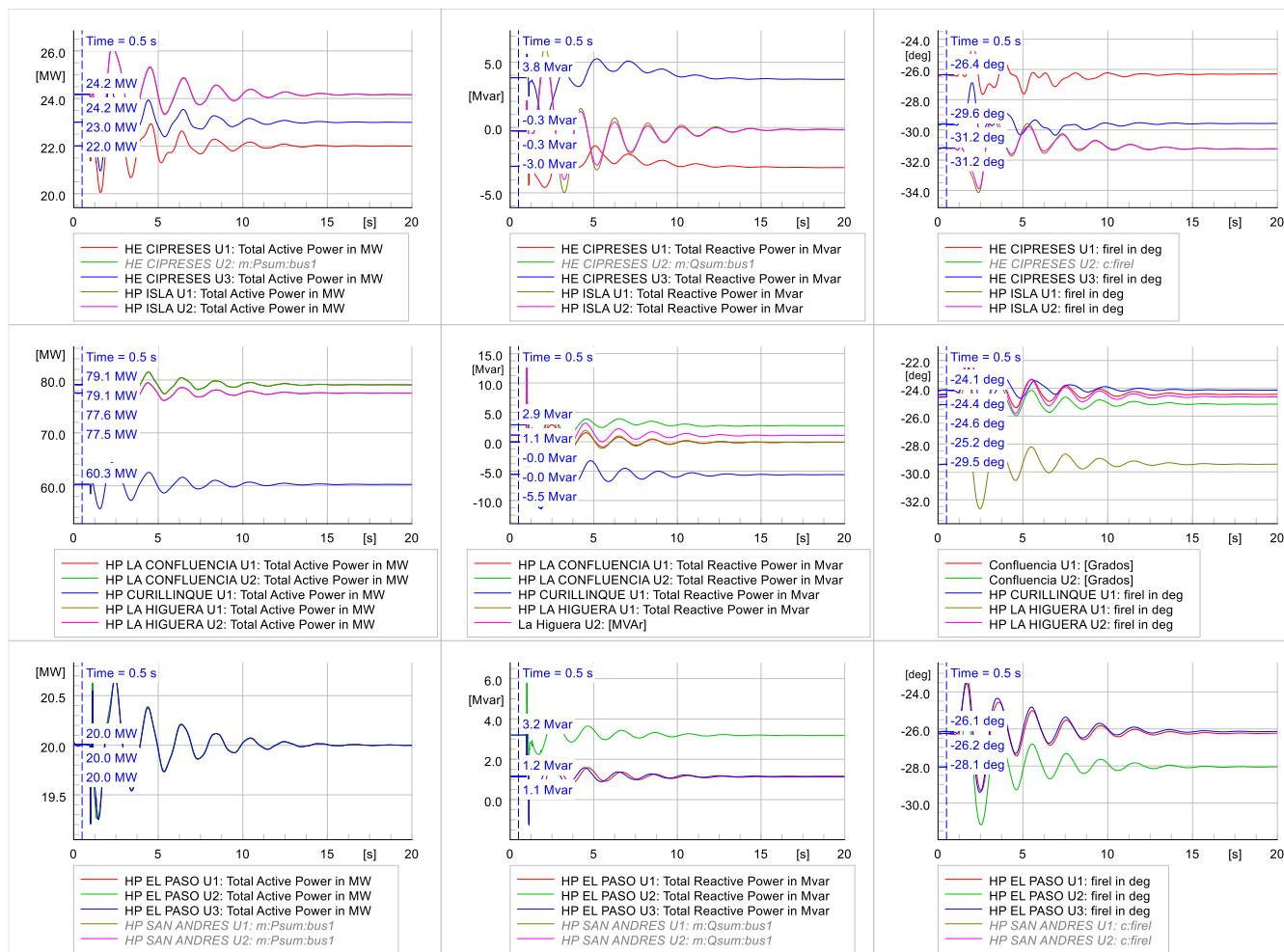


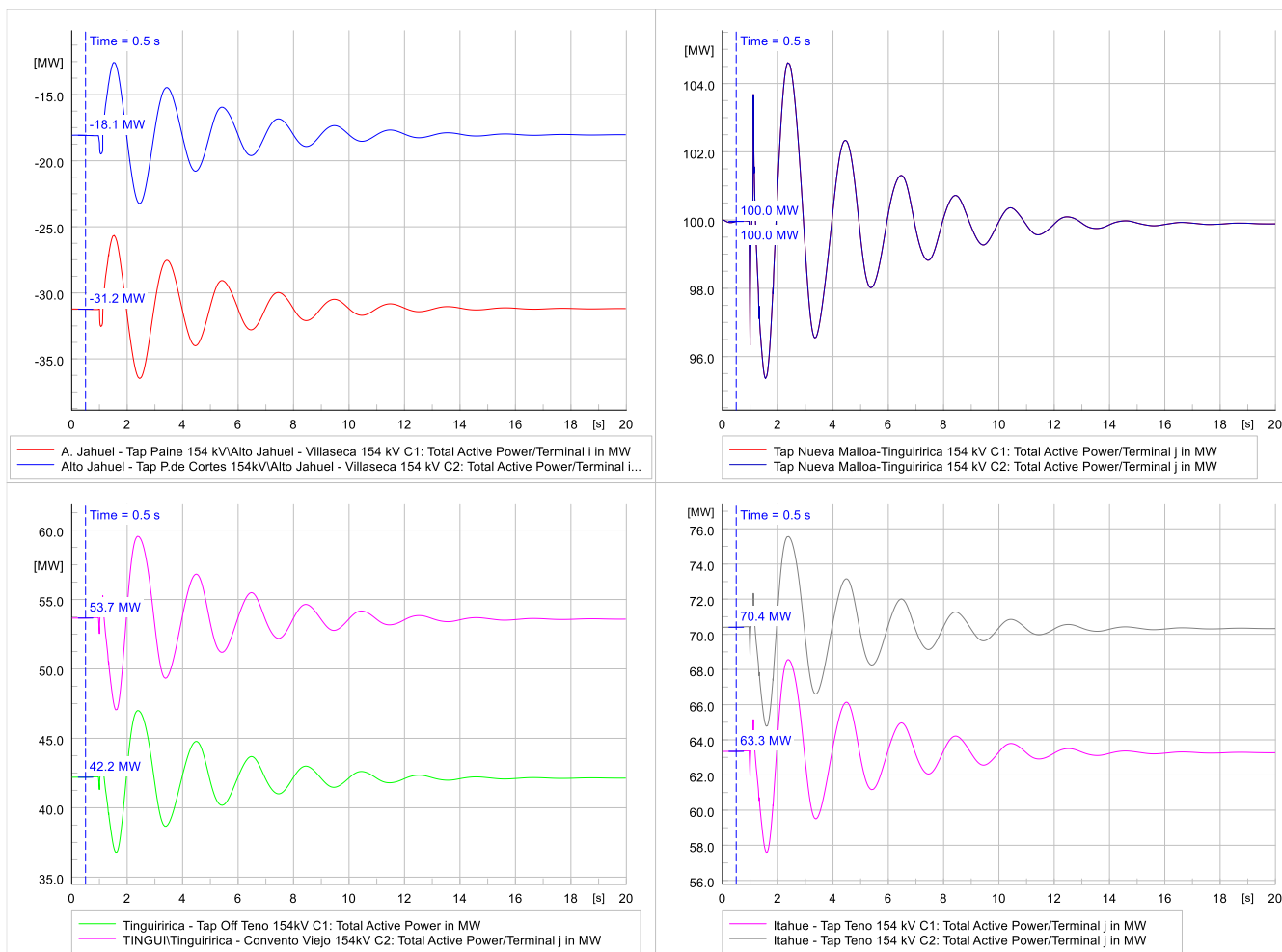


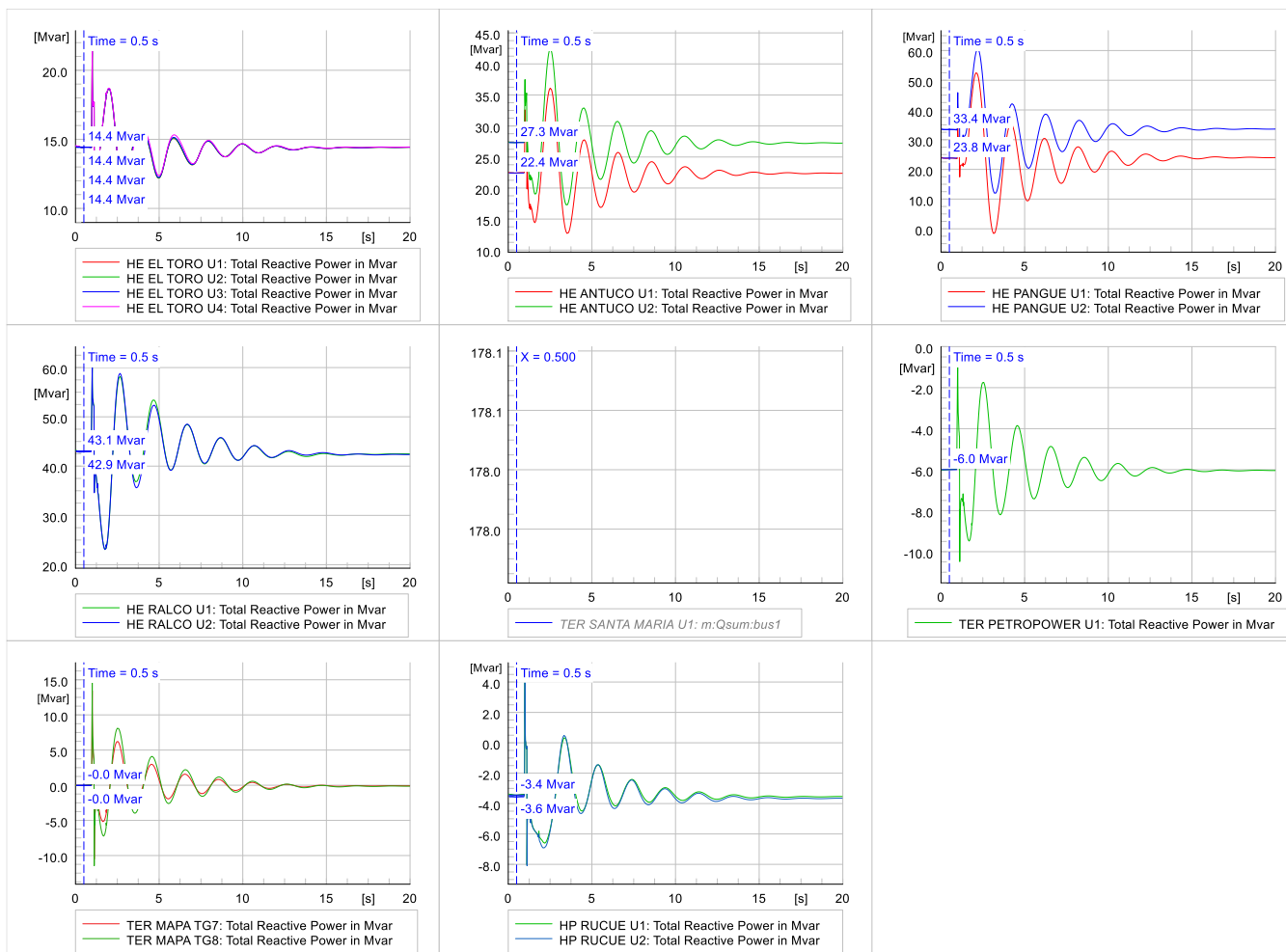


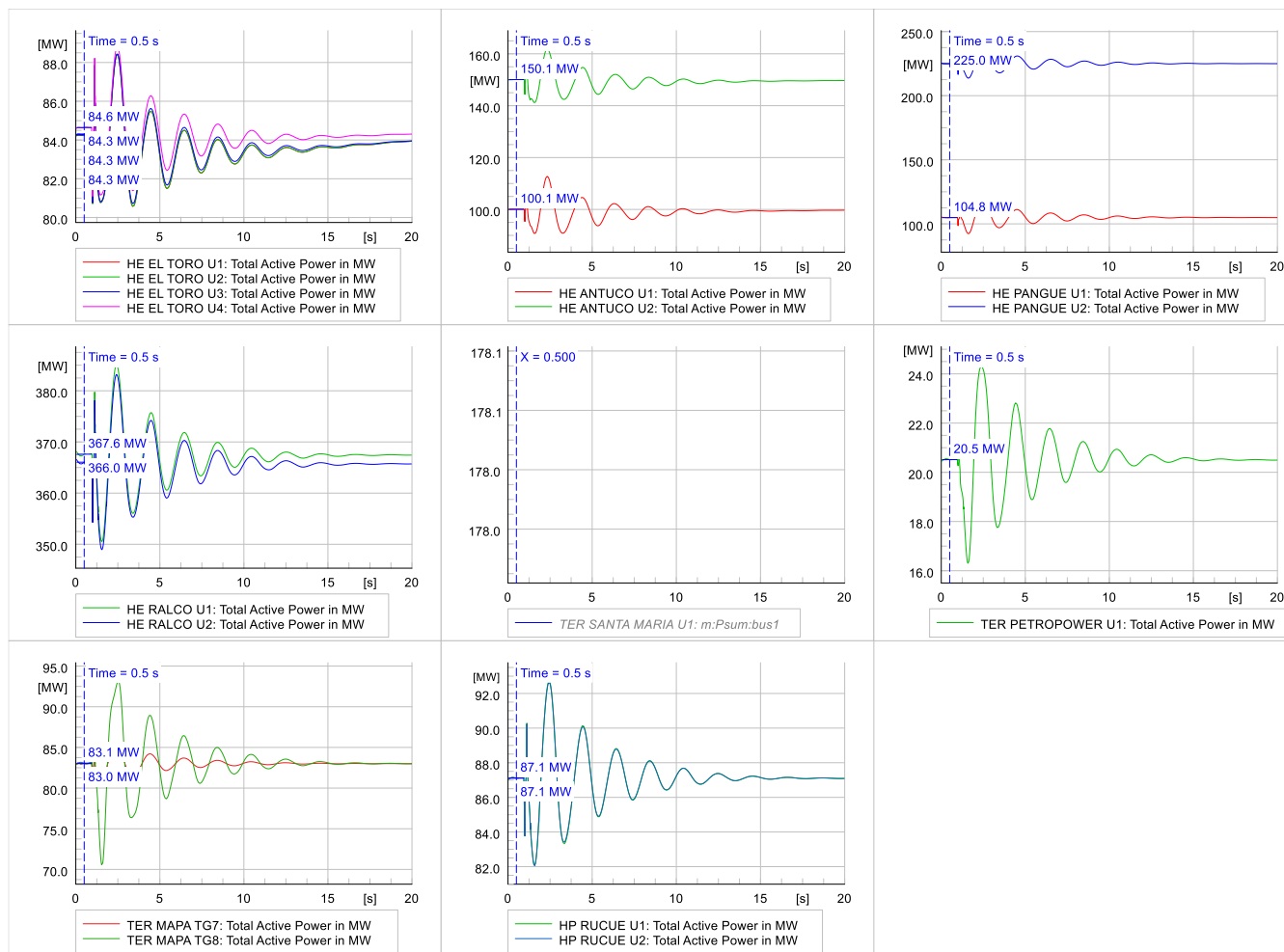


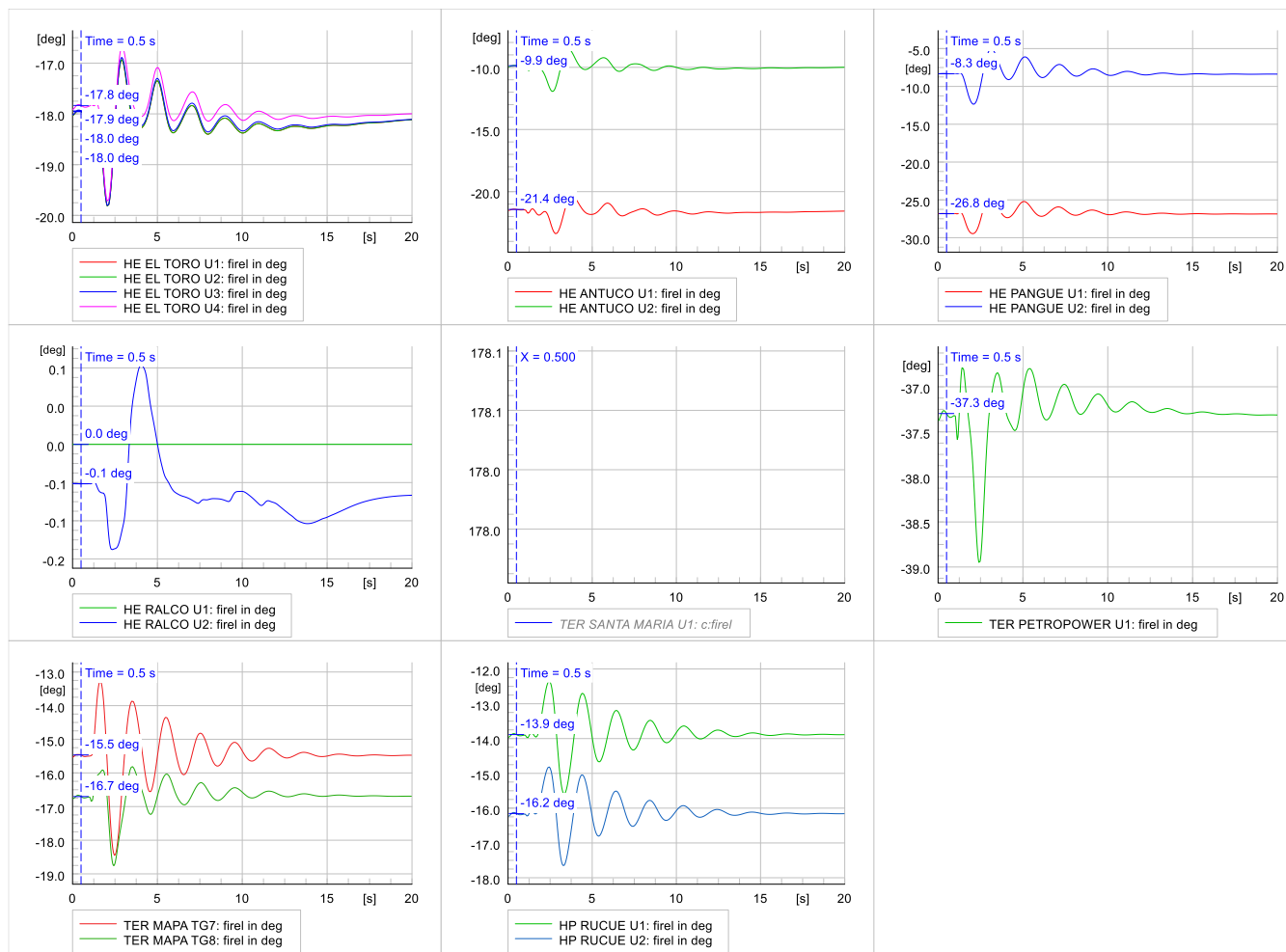


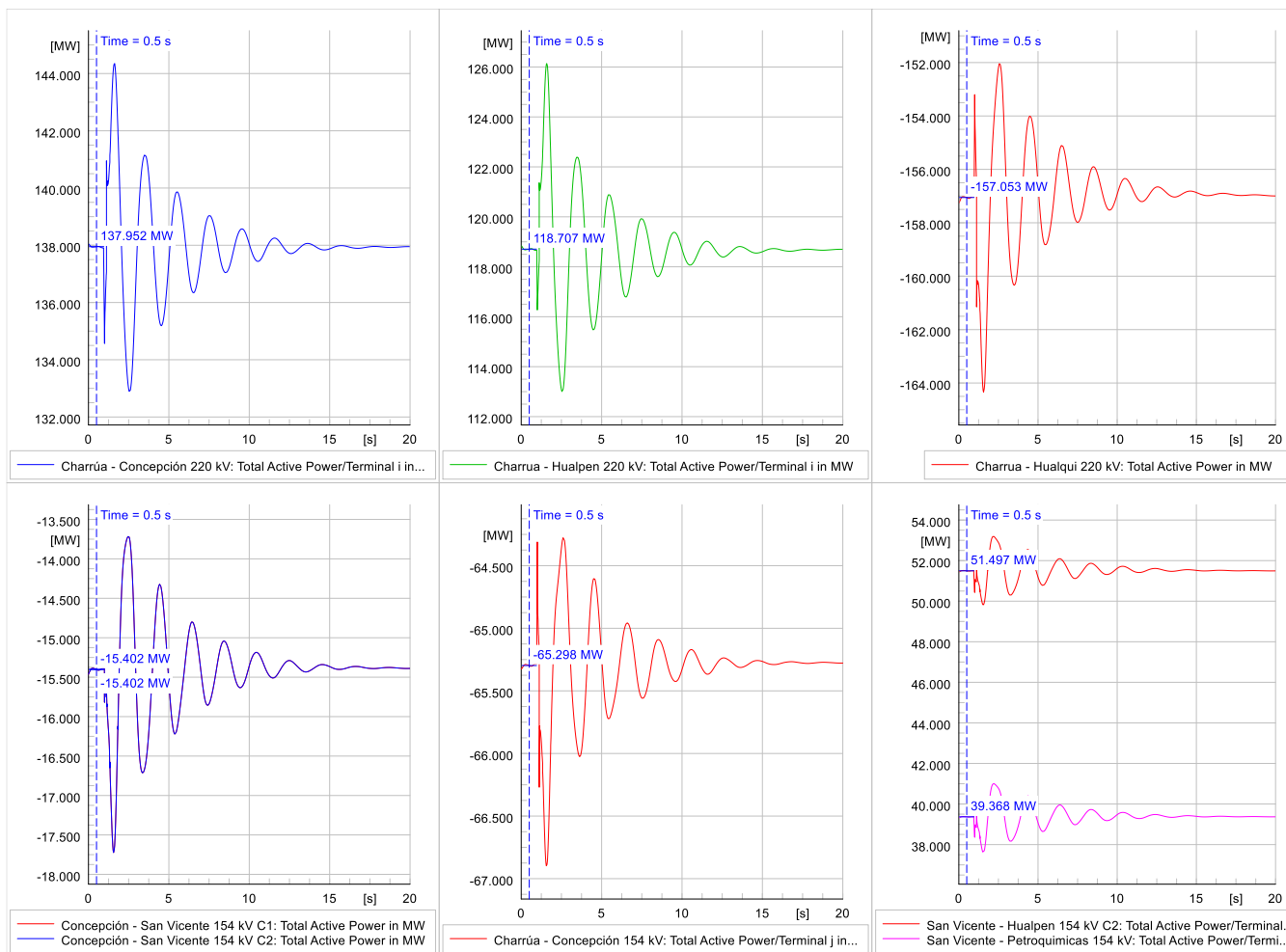


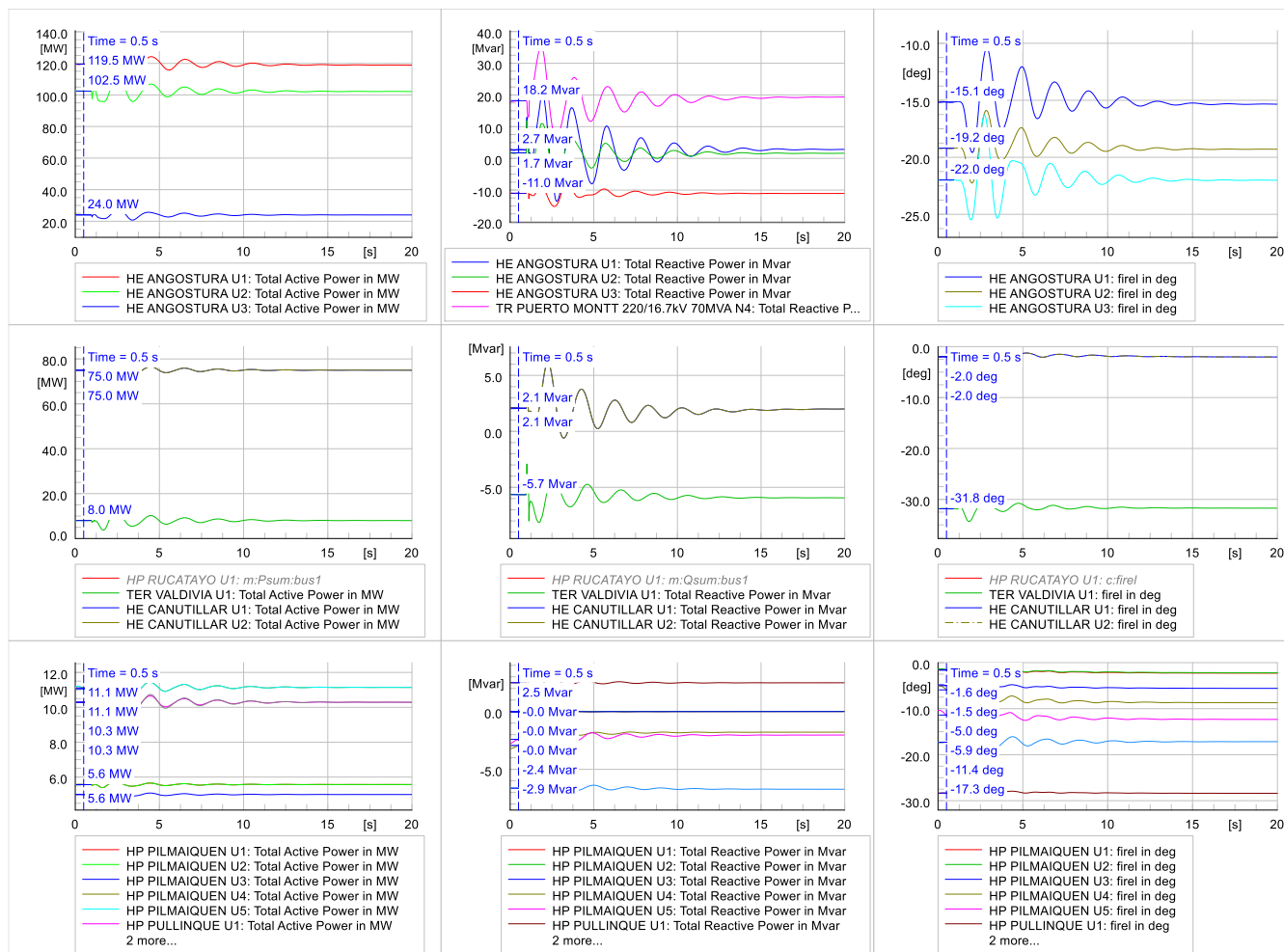


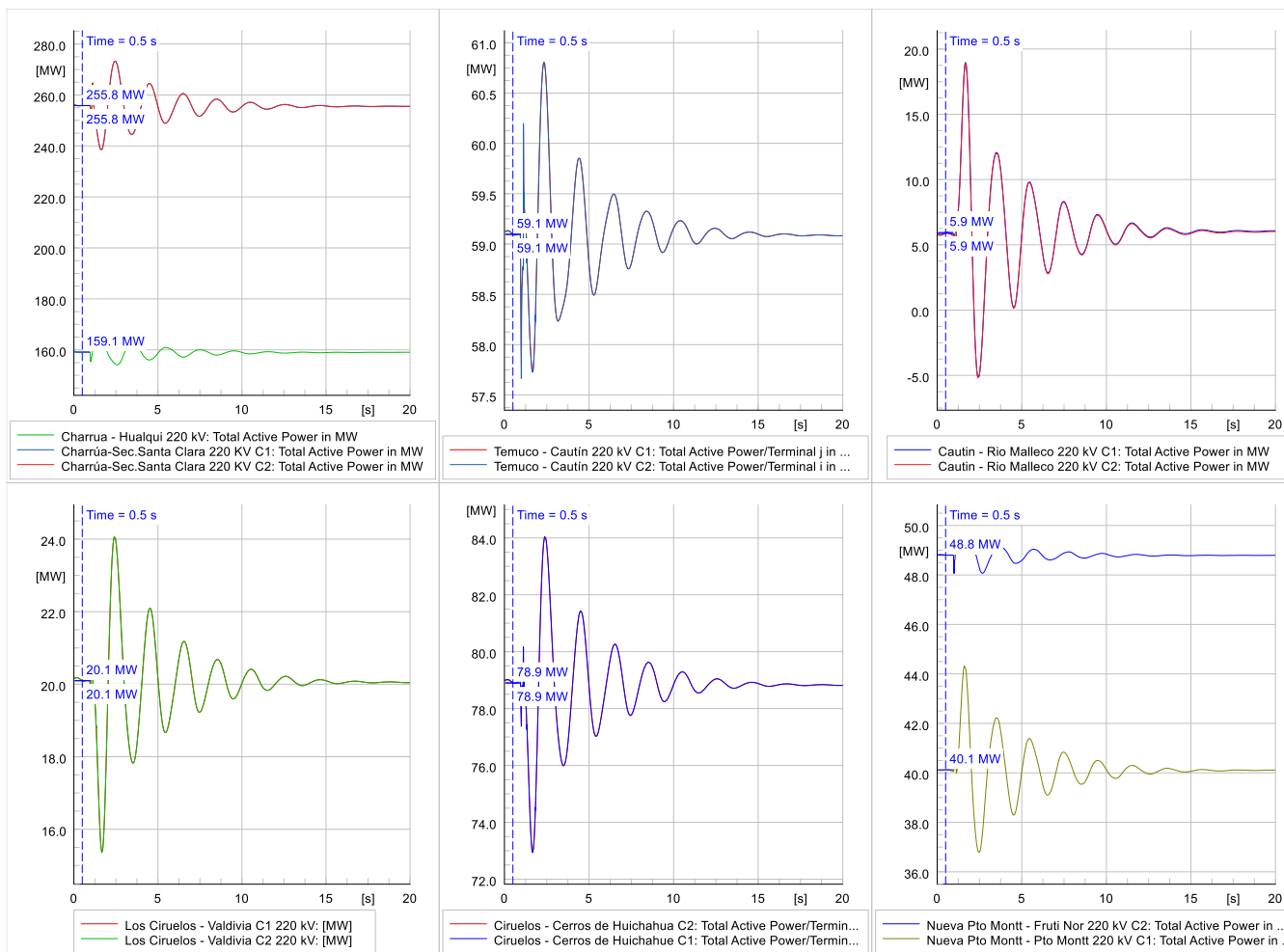




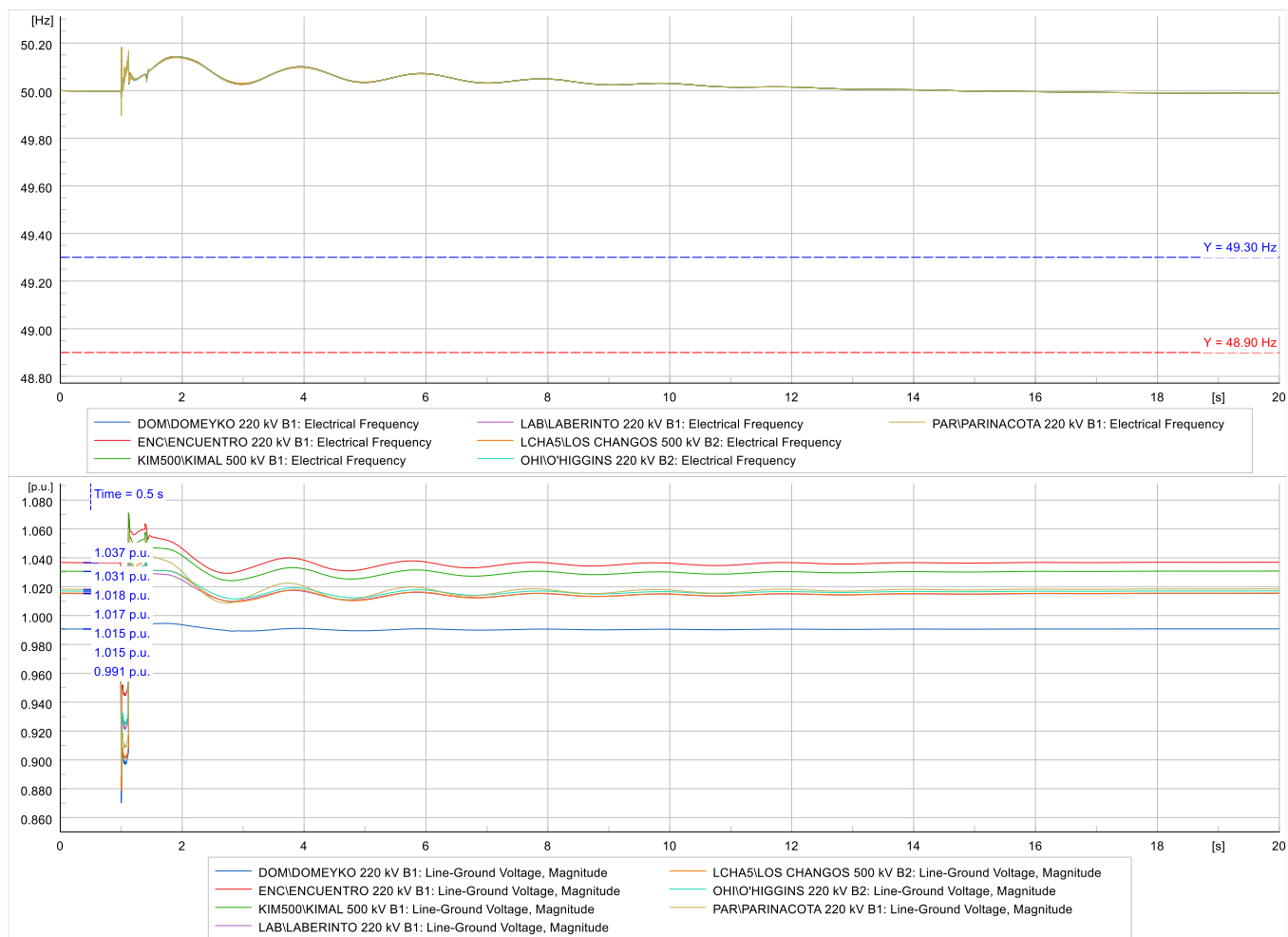


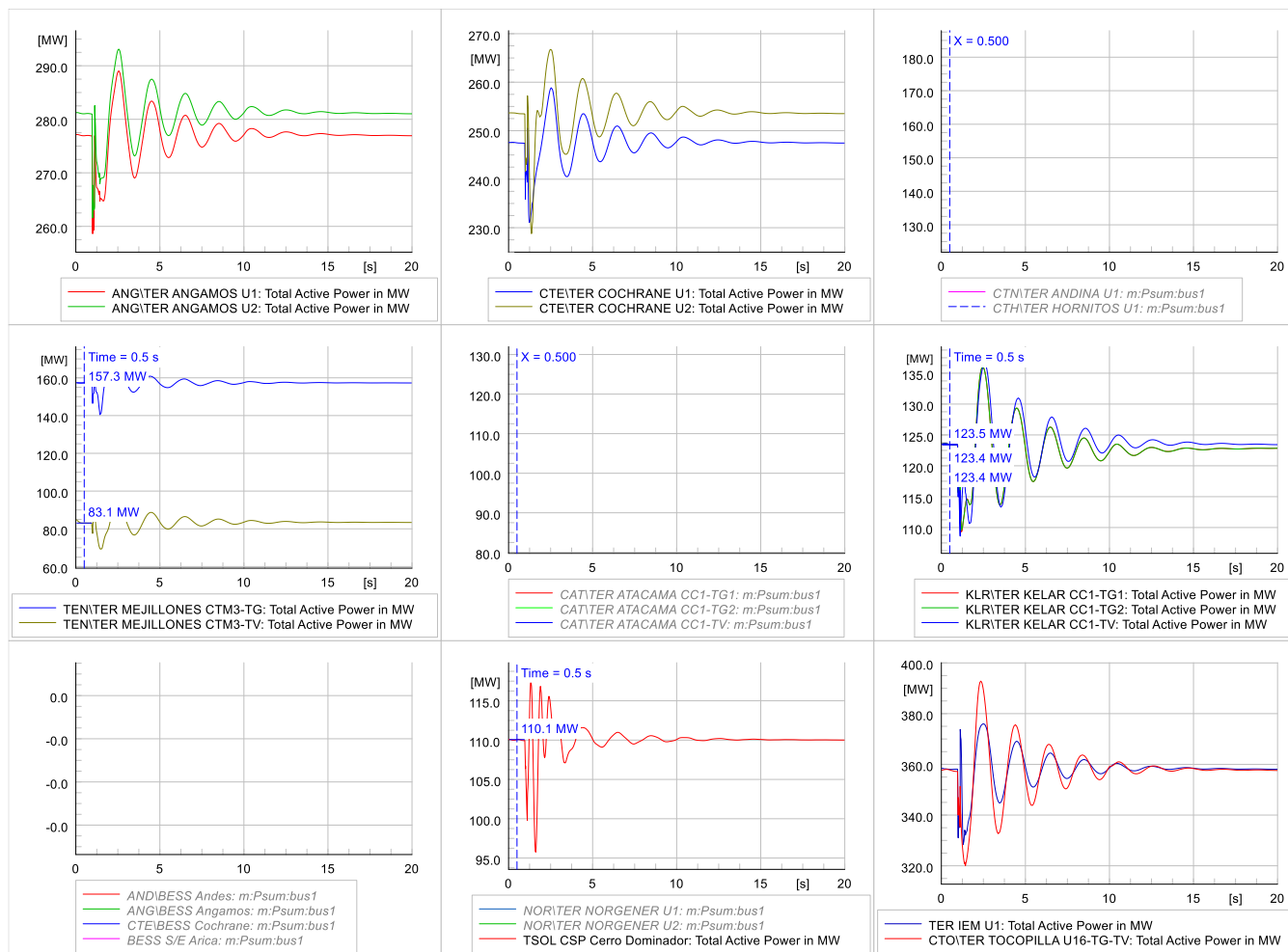


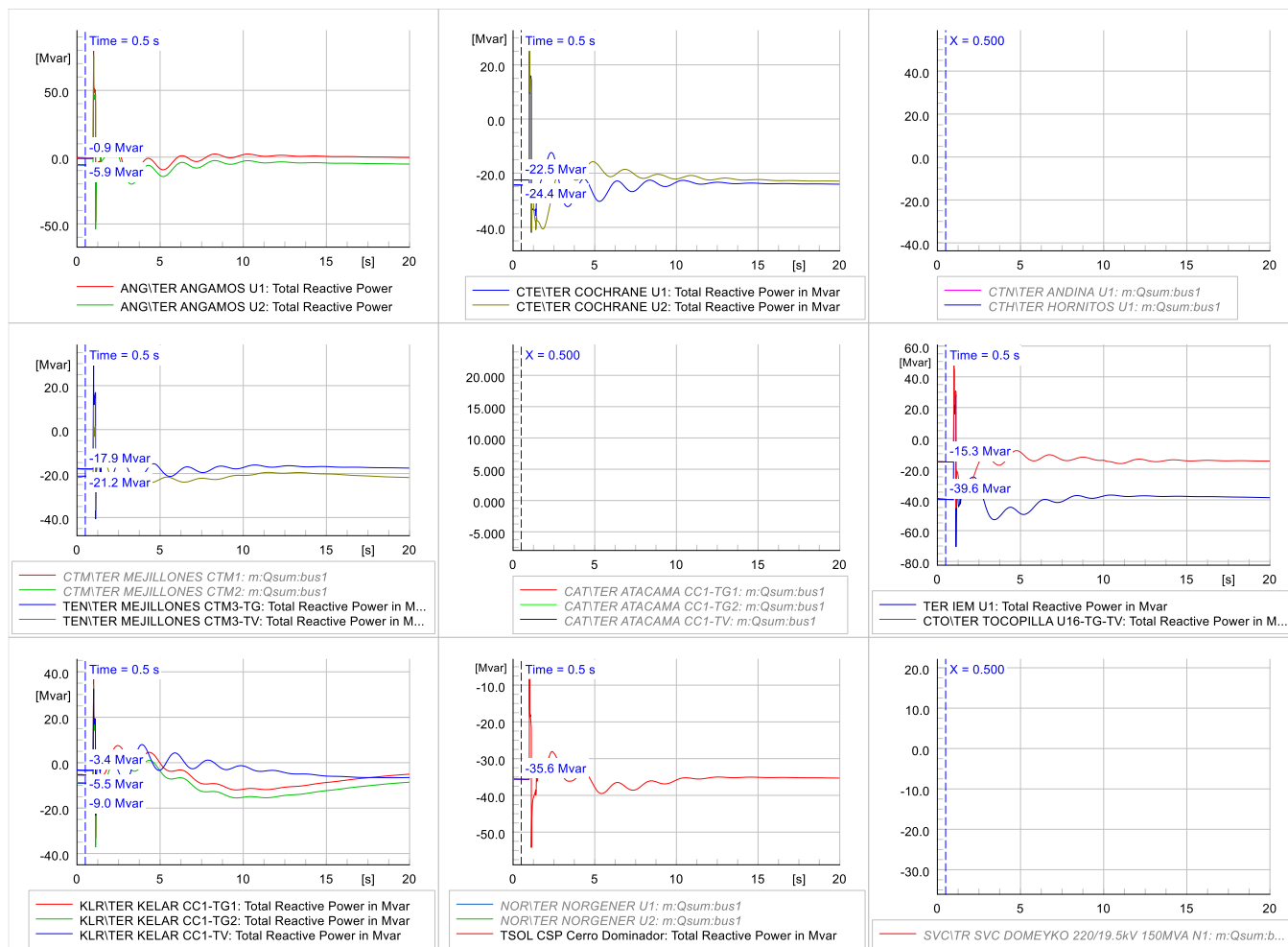


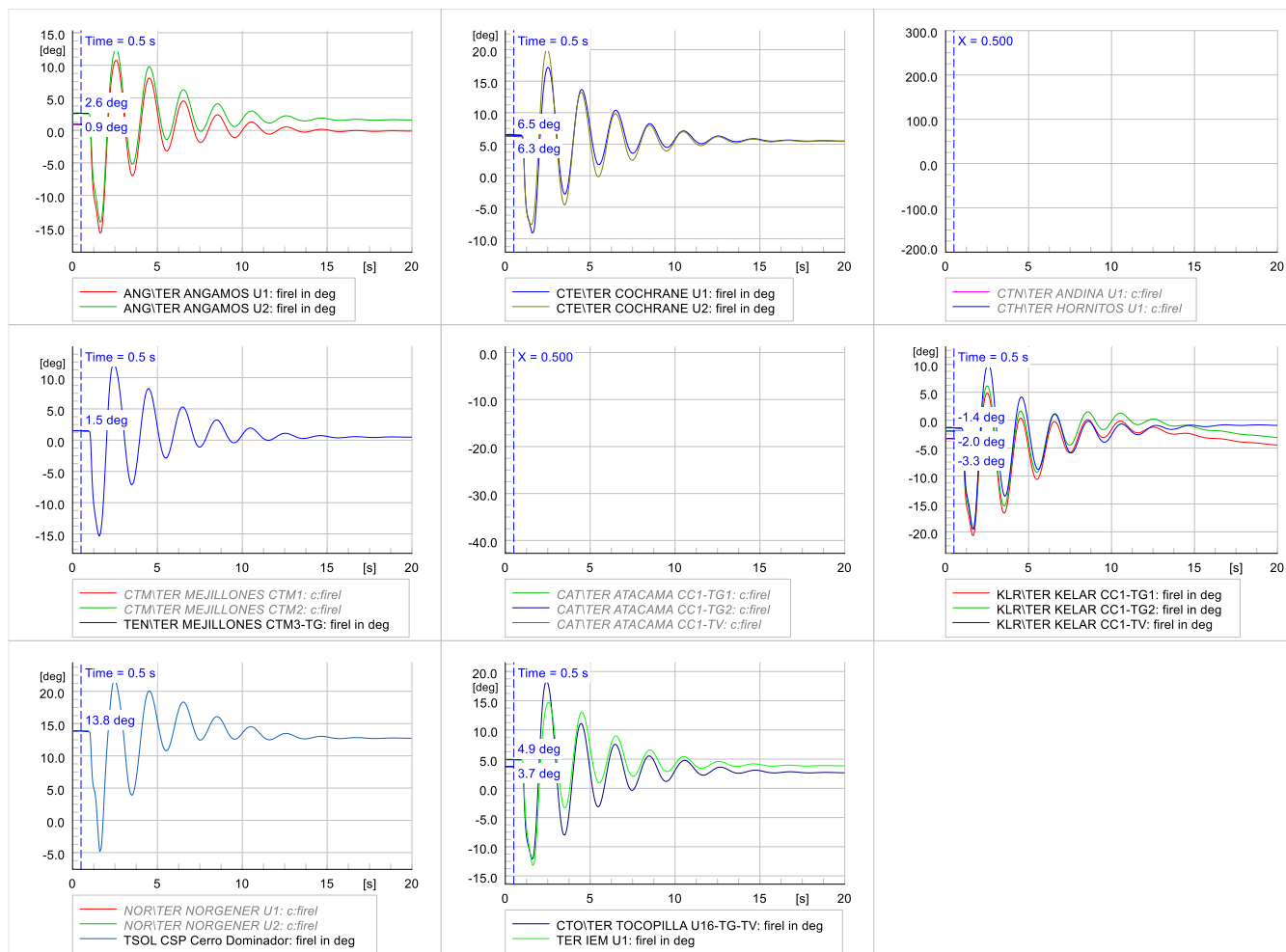


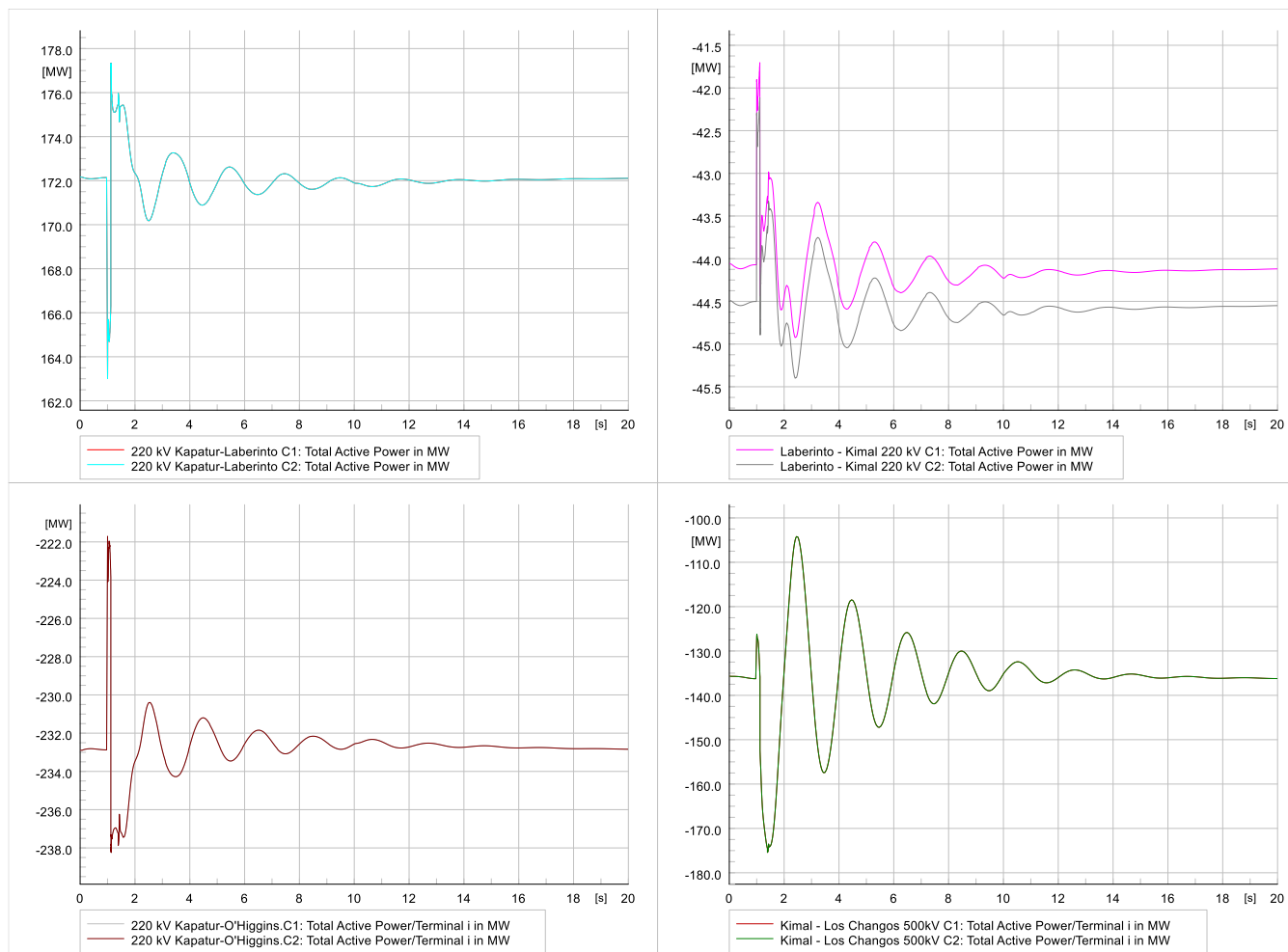
17.5 E2 2024_12_09 DA 22 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV

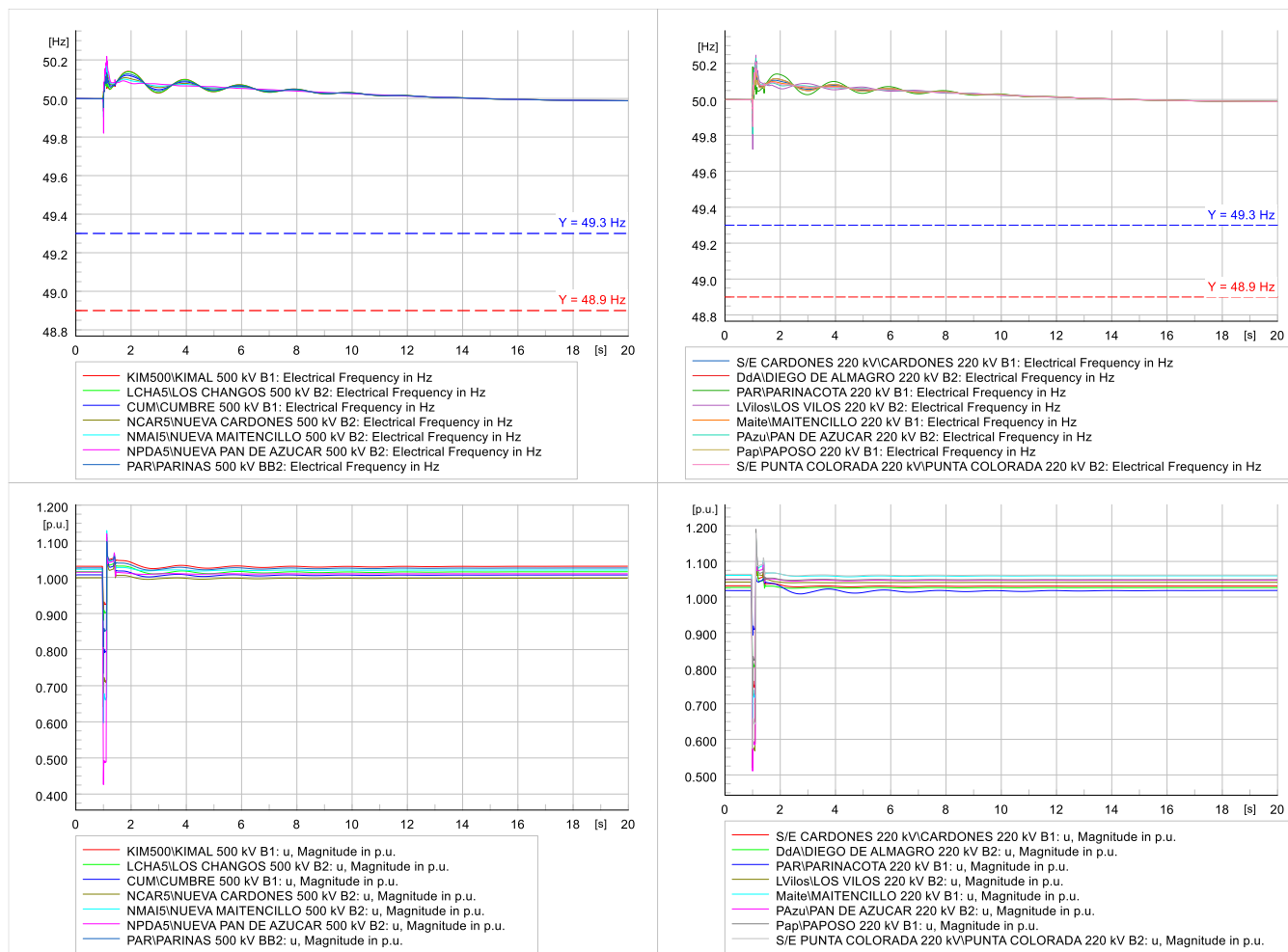


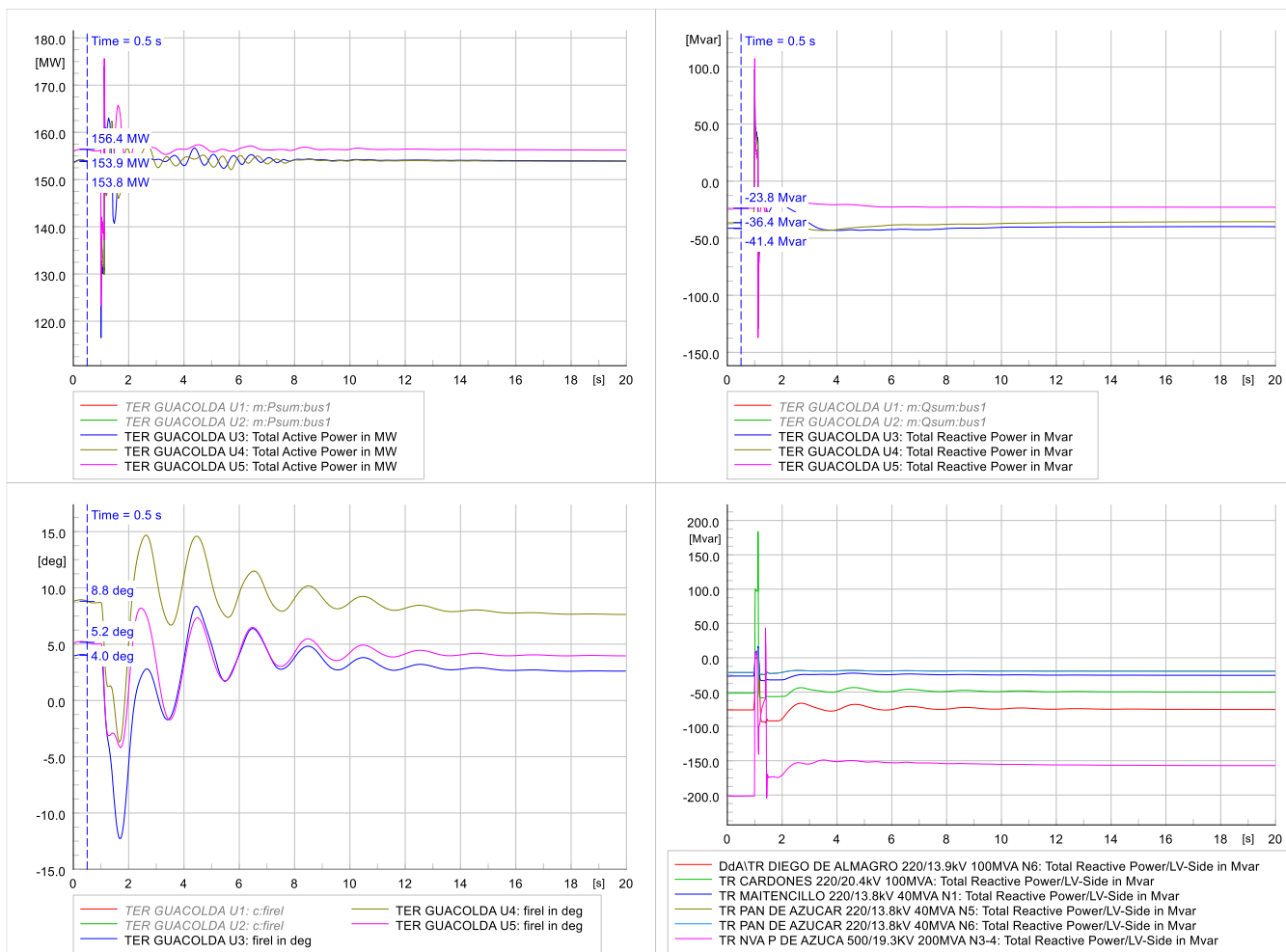


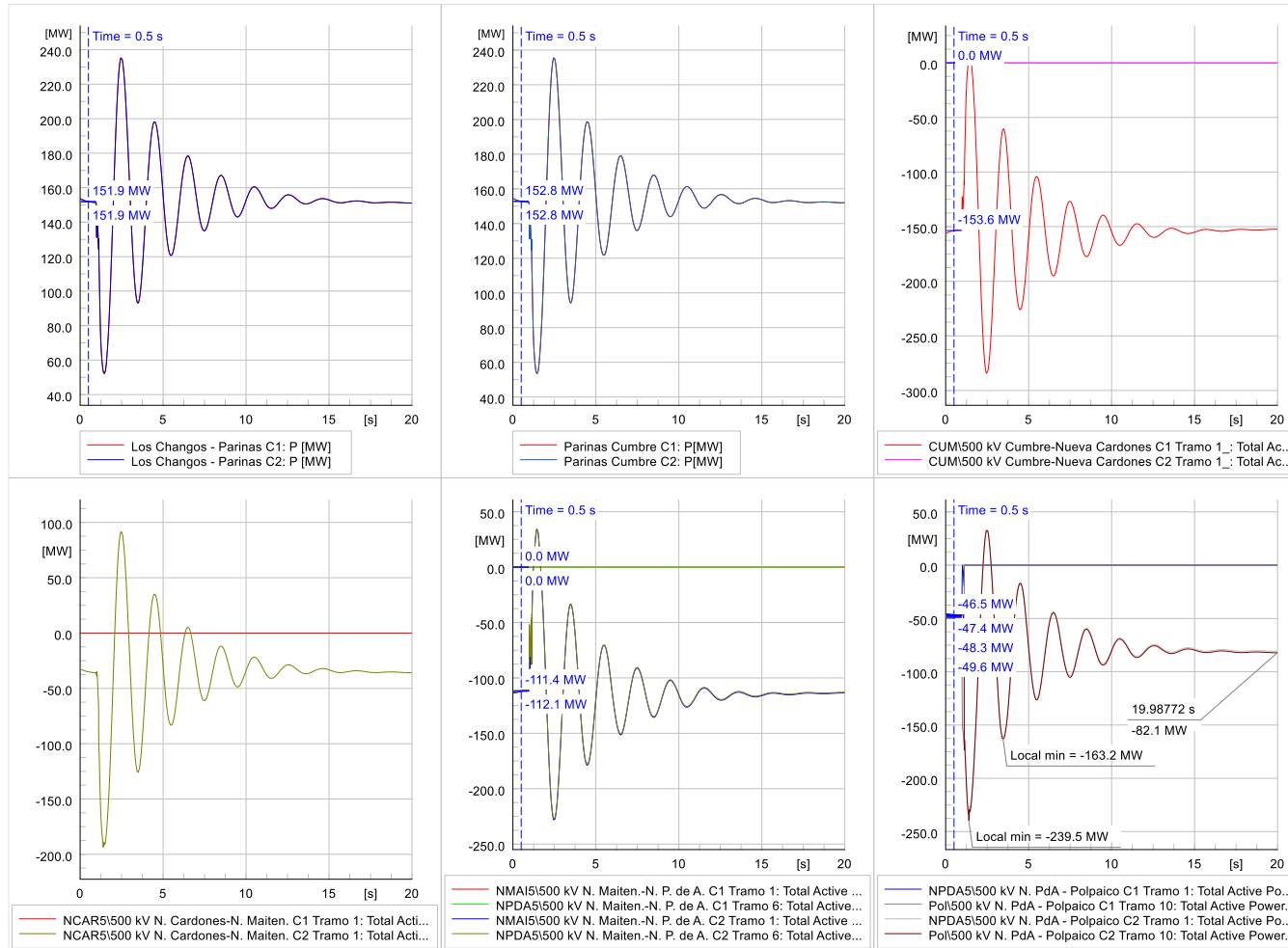


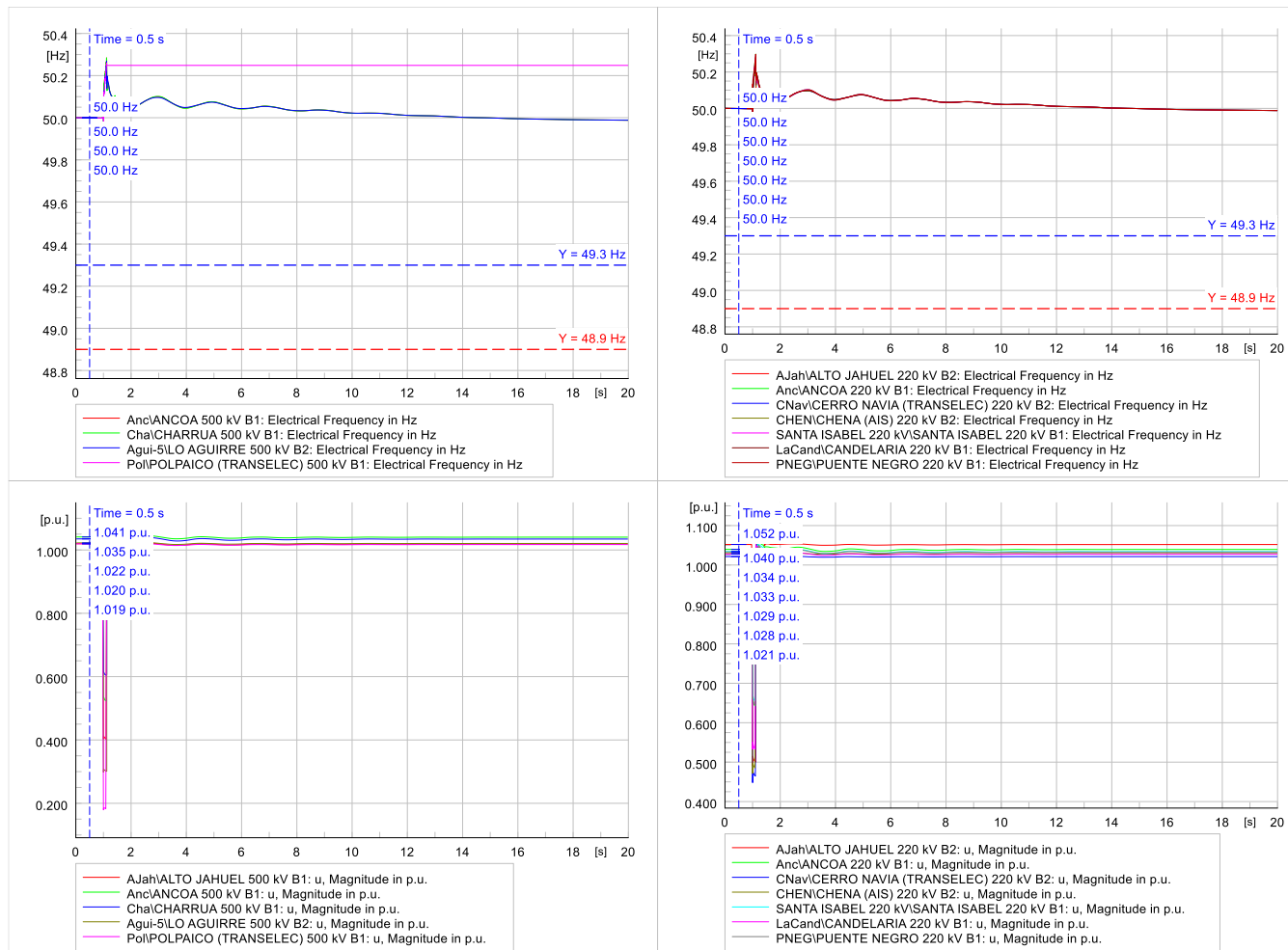


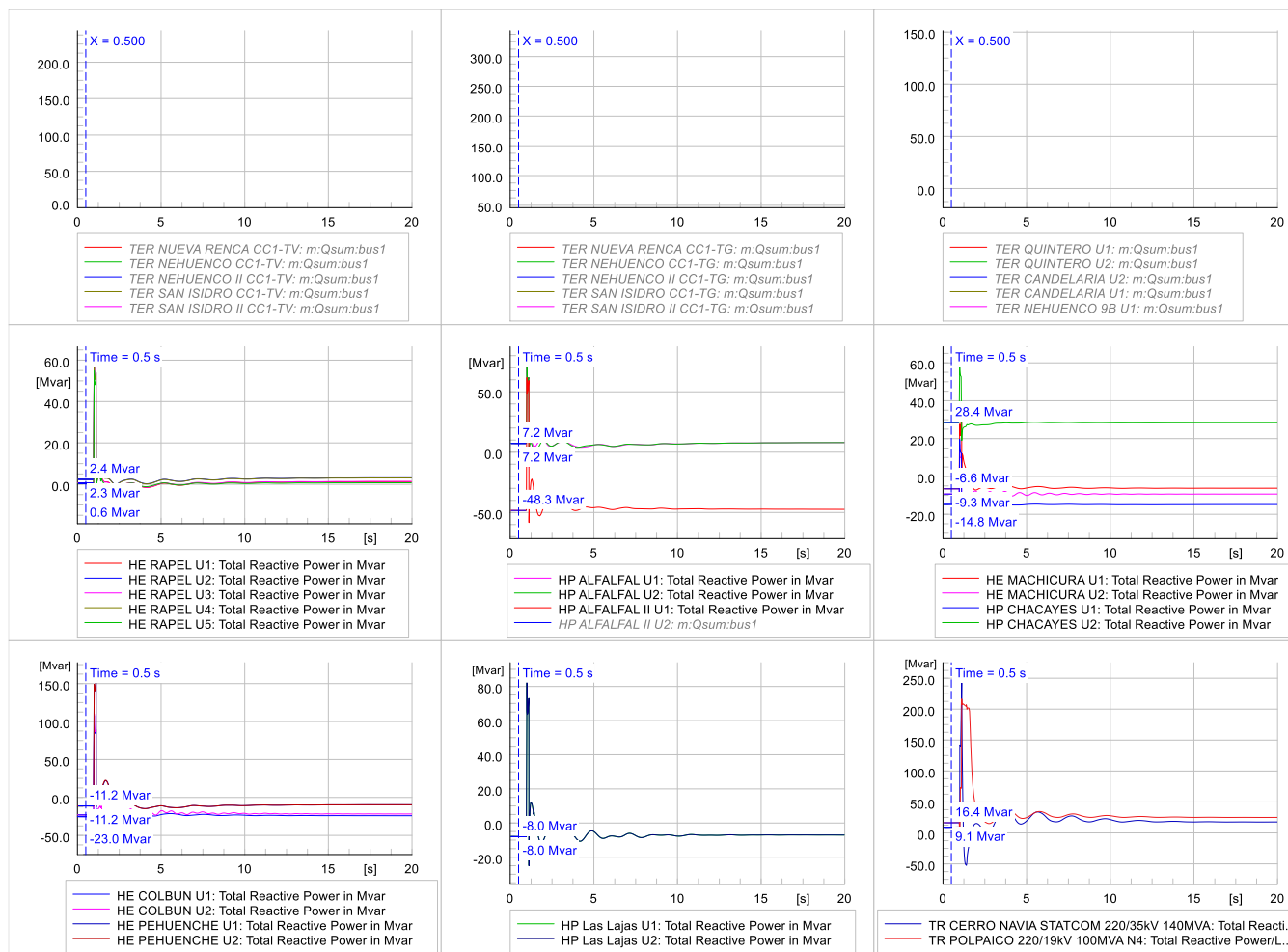


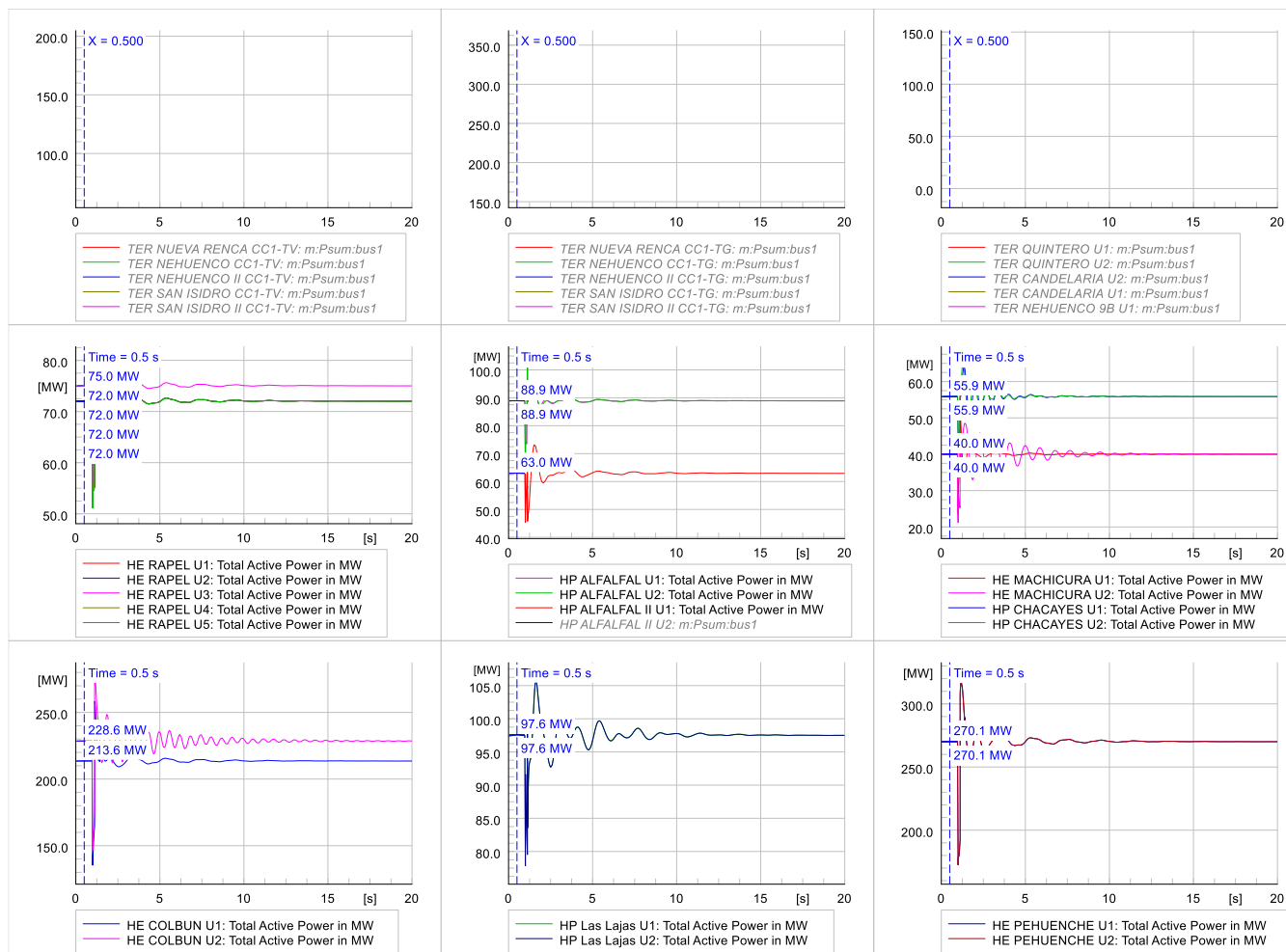


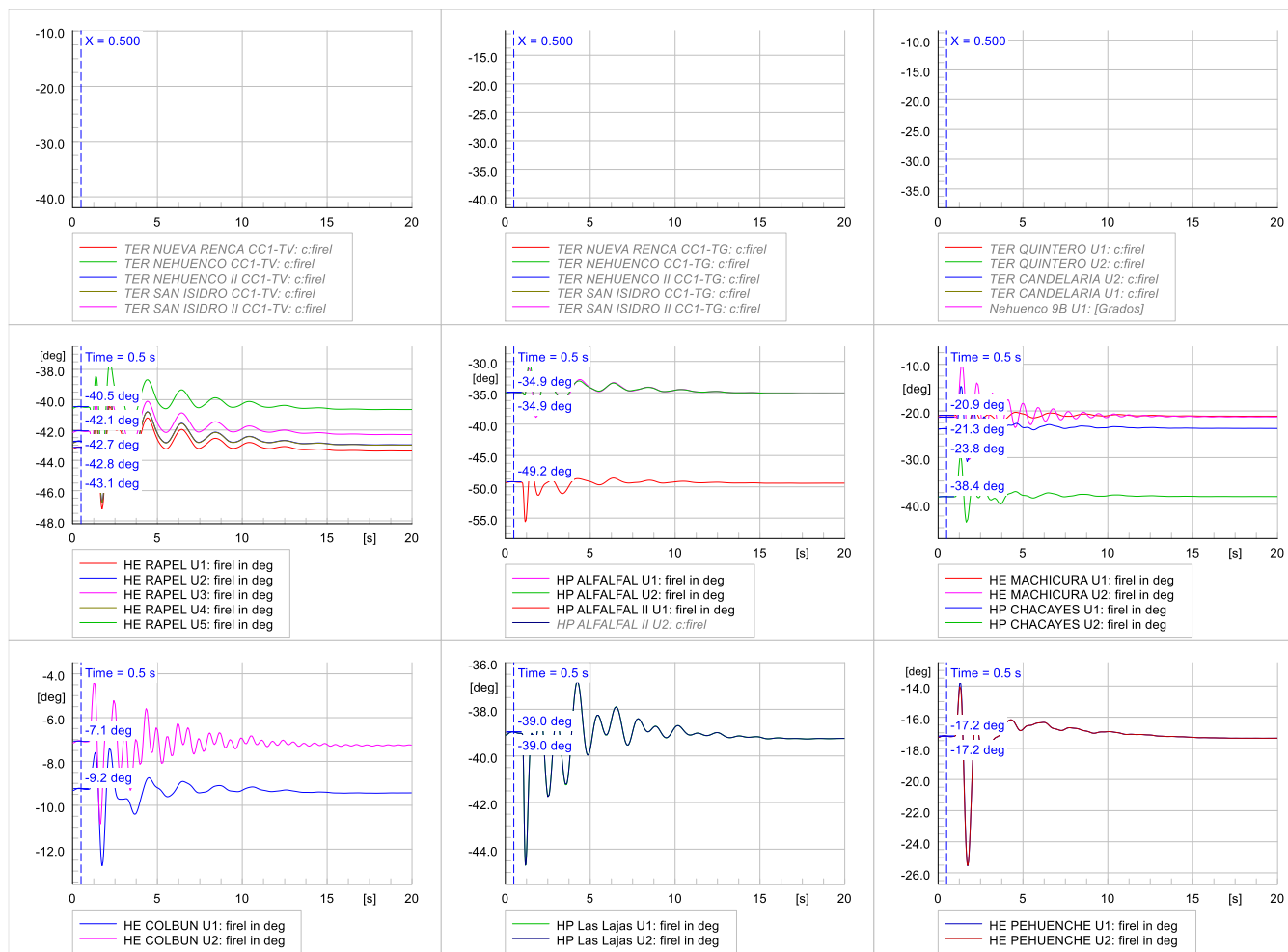


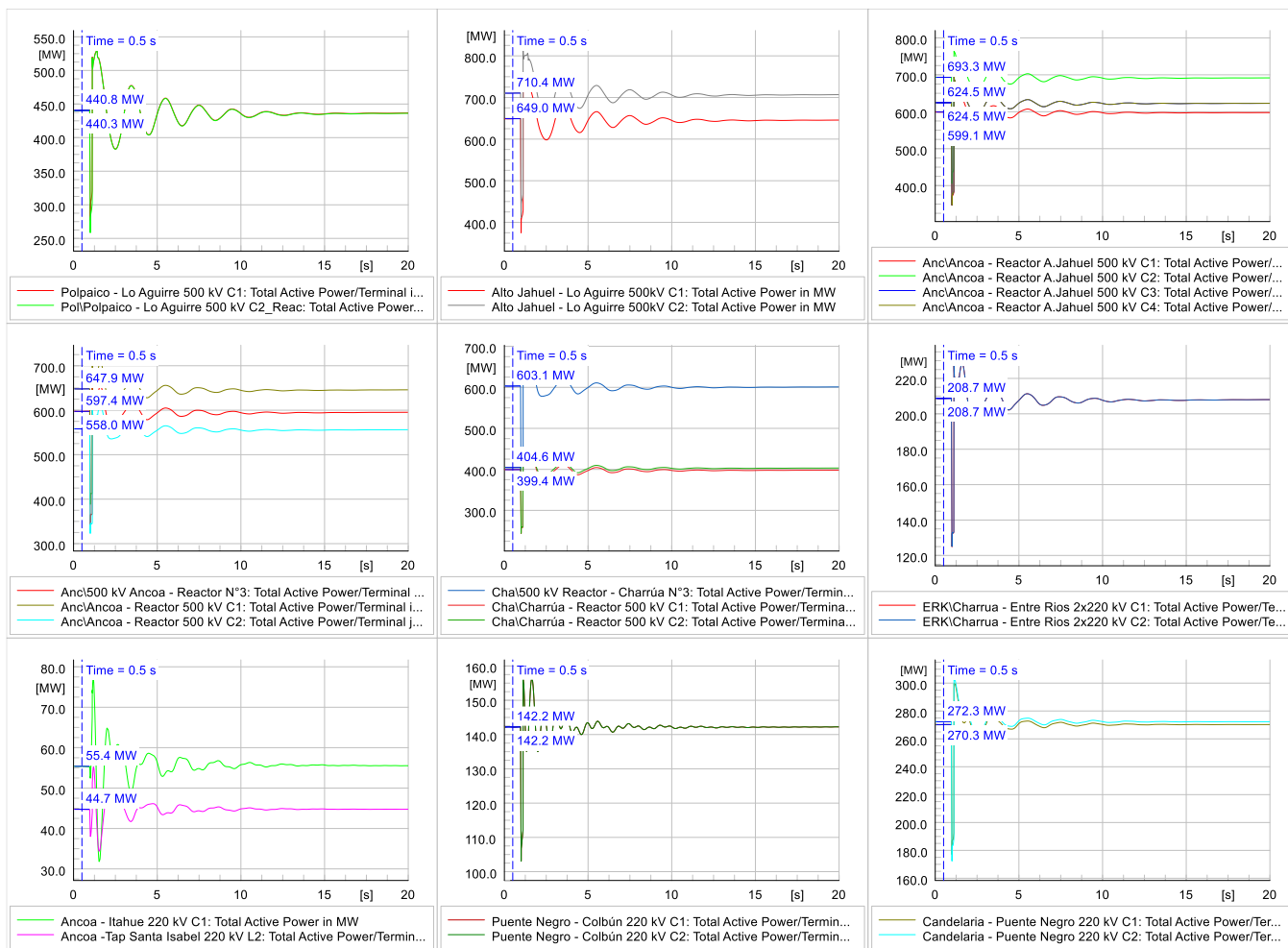


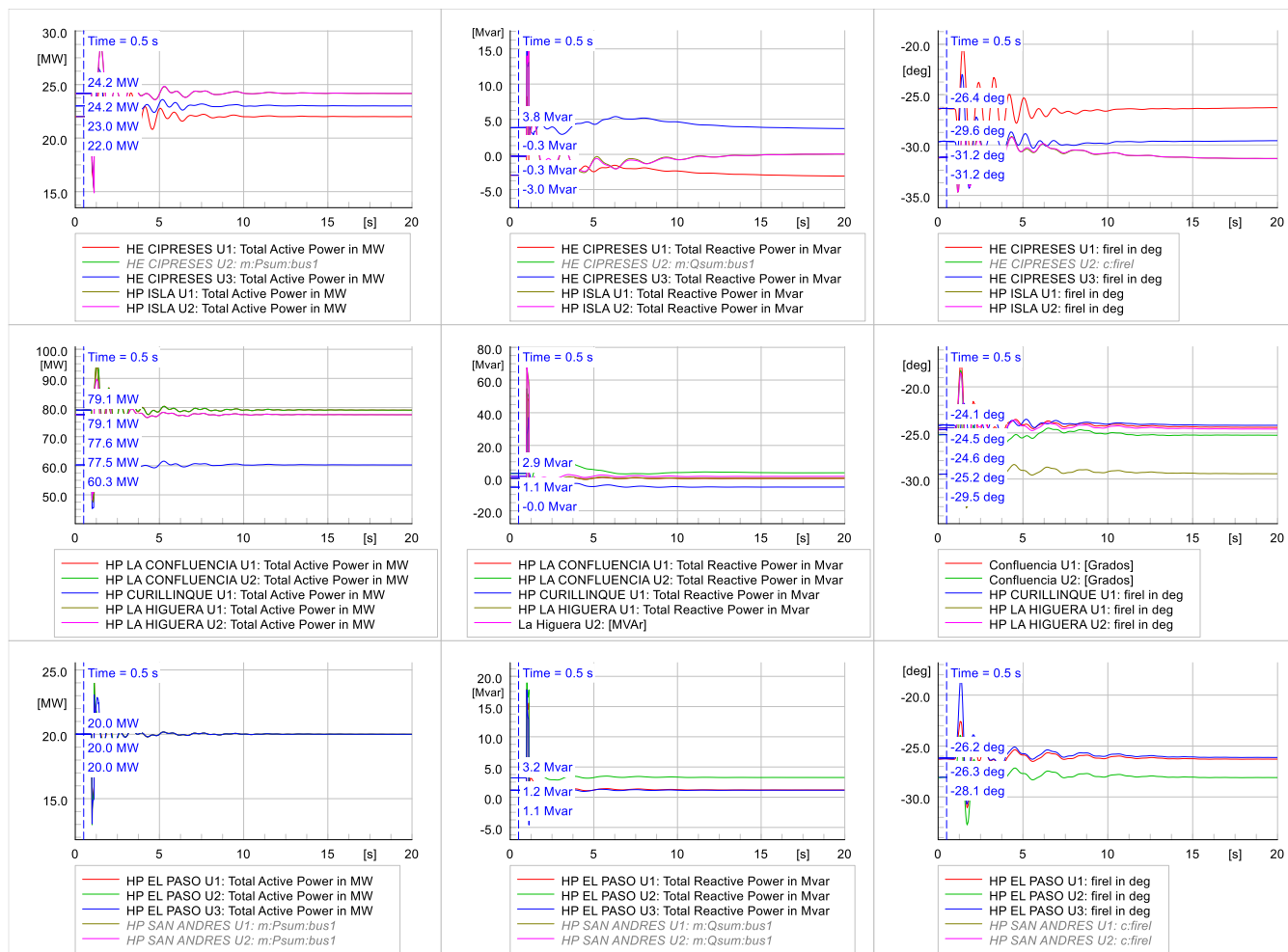


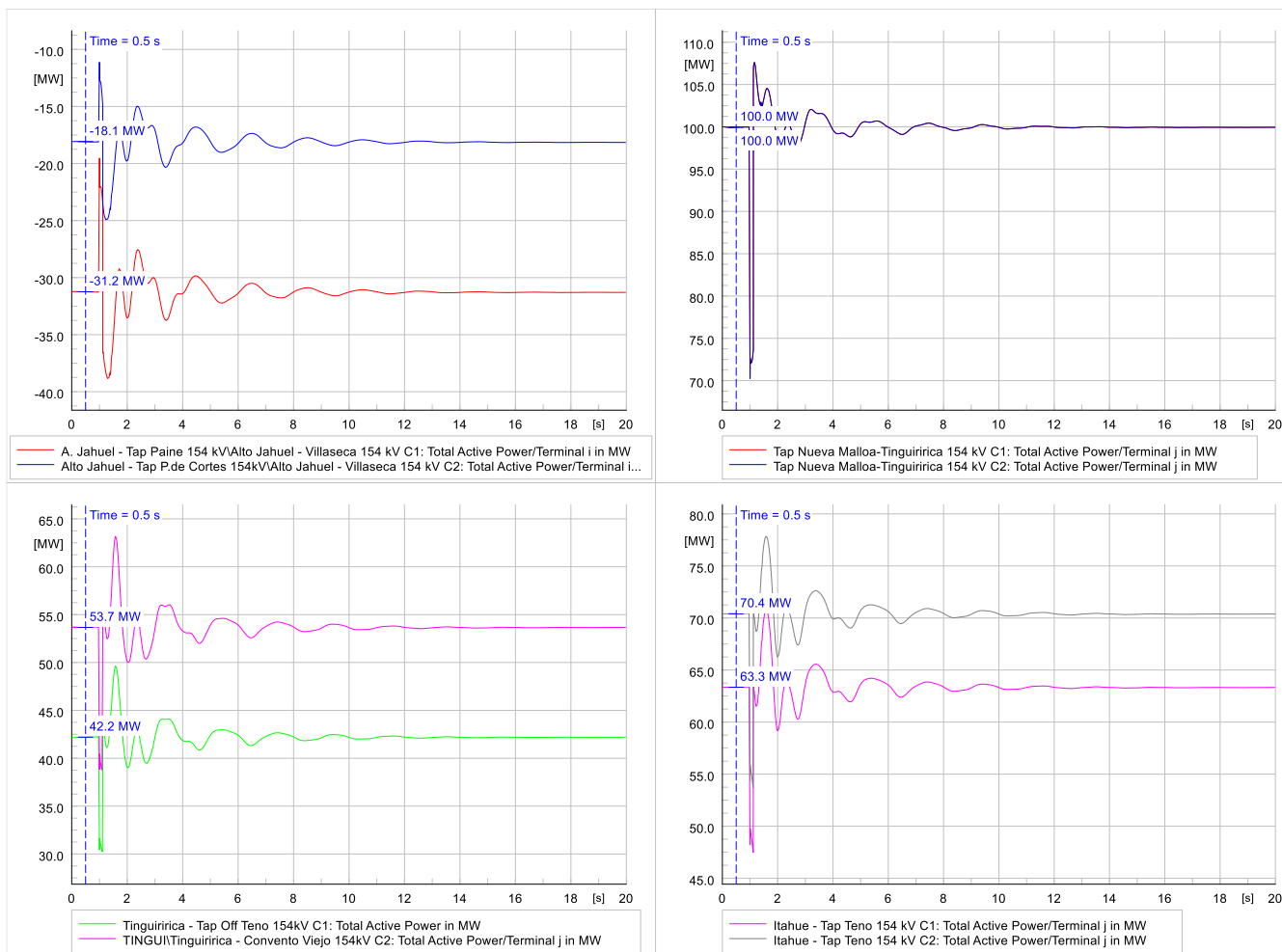


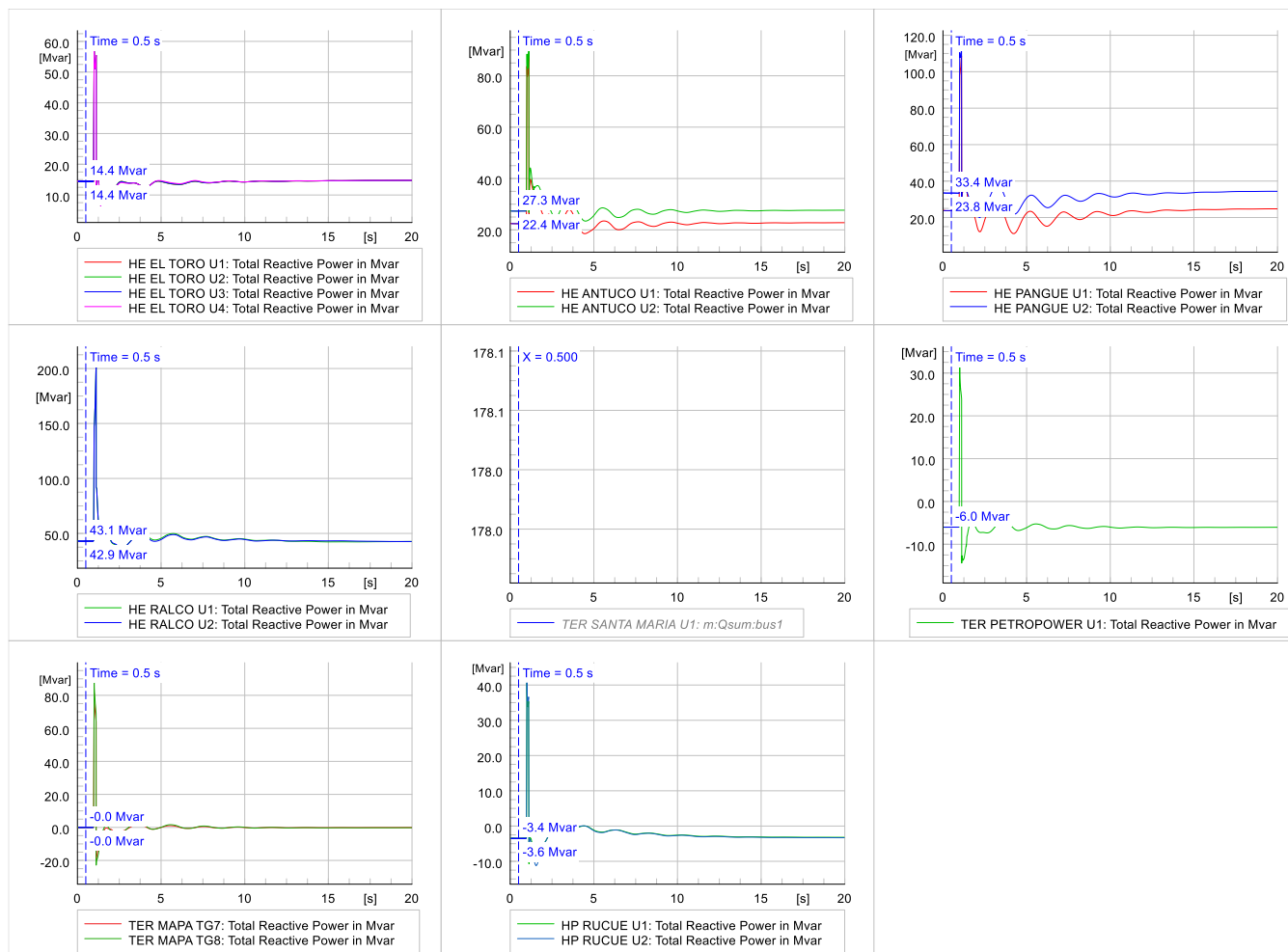


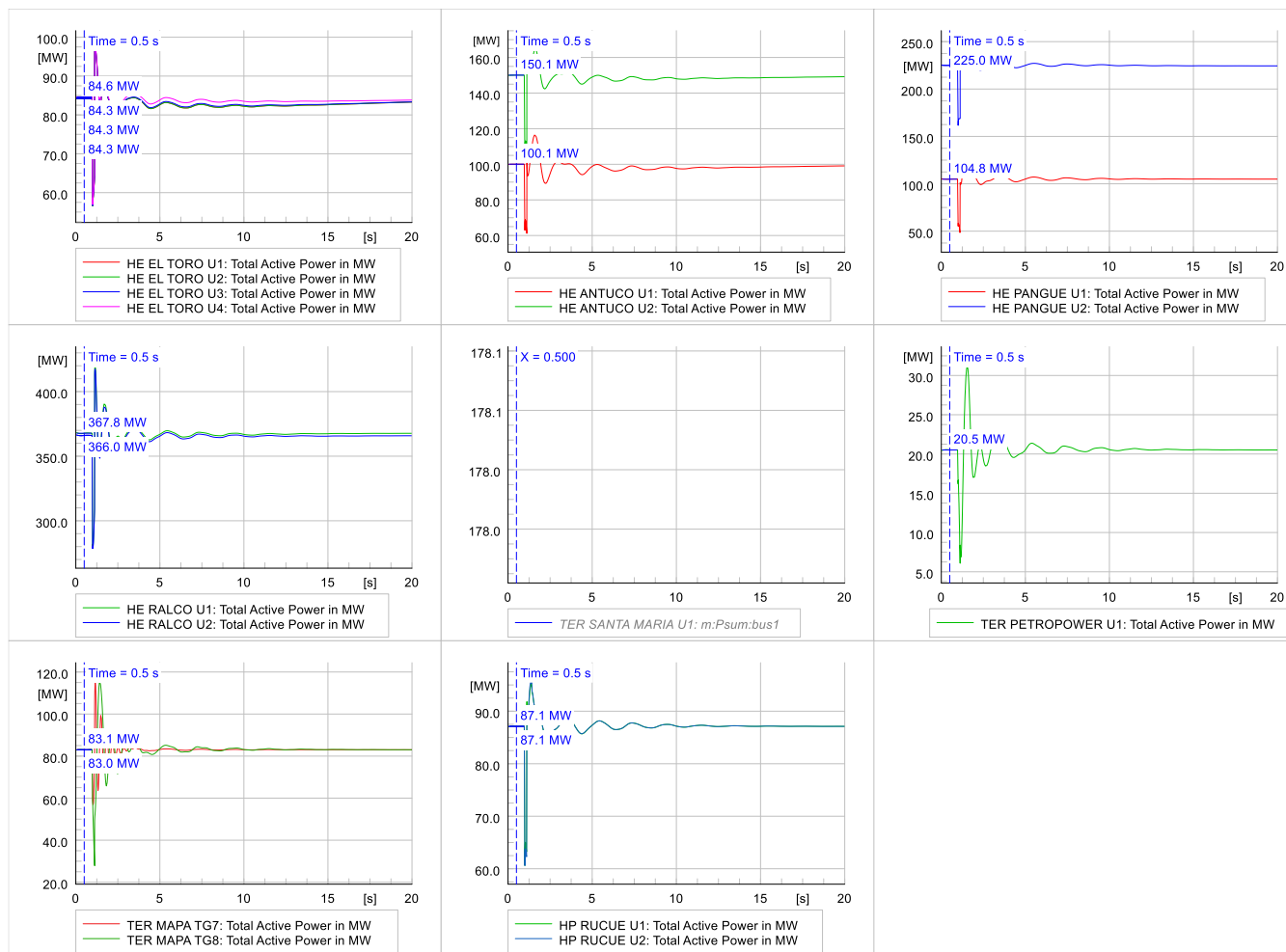


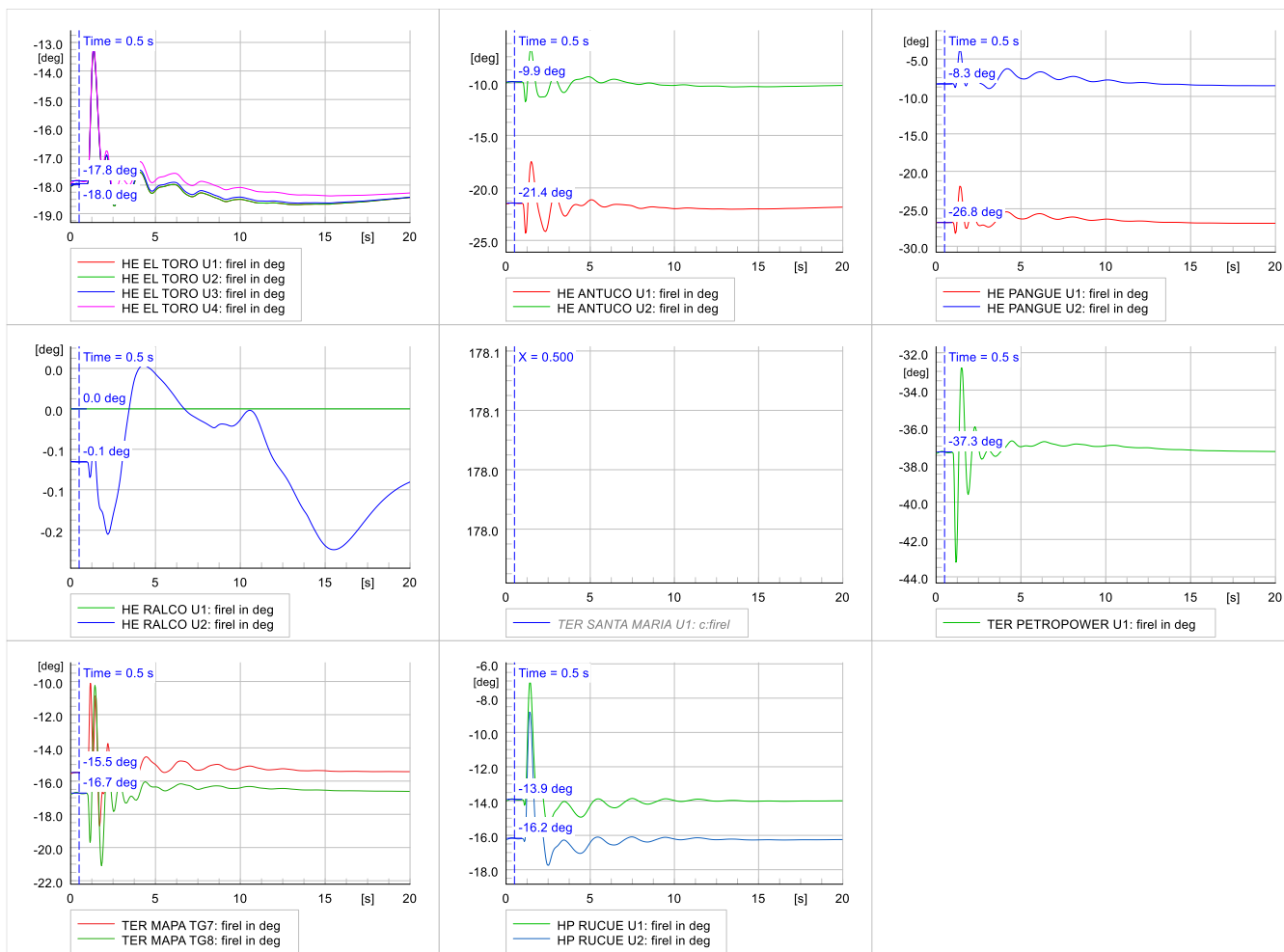


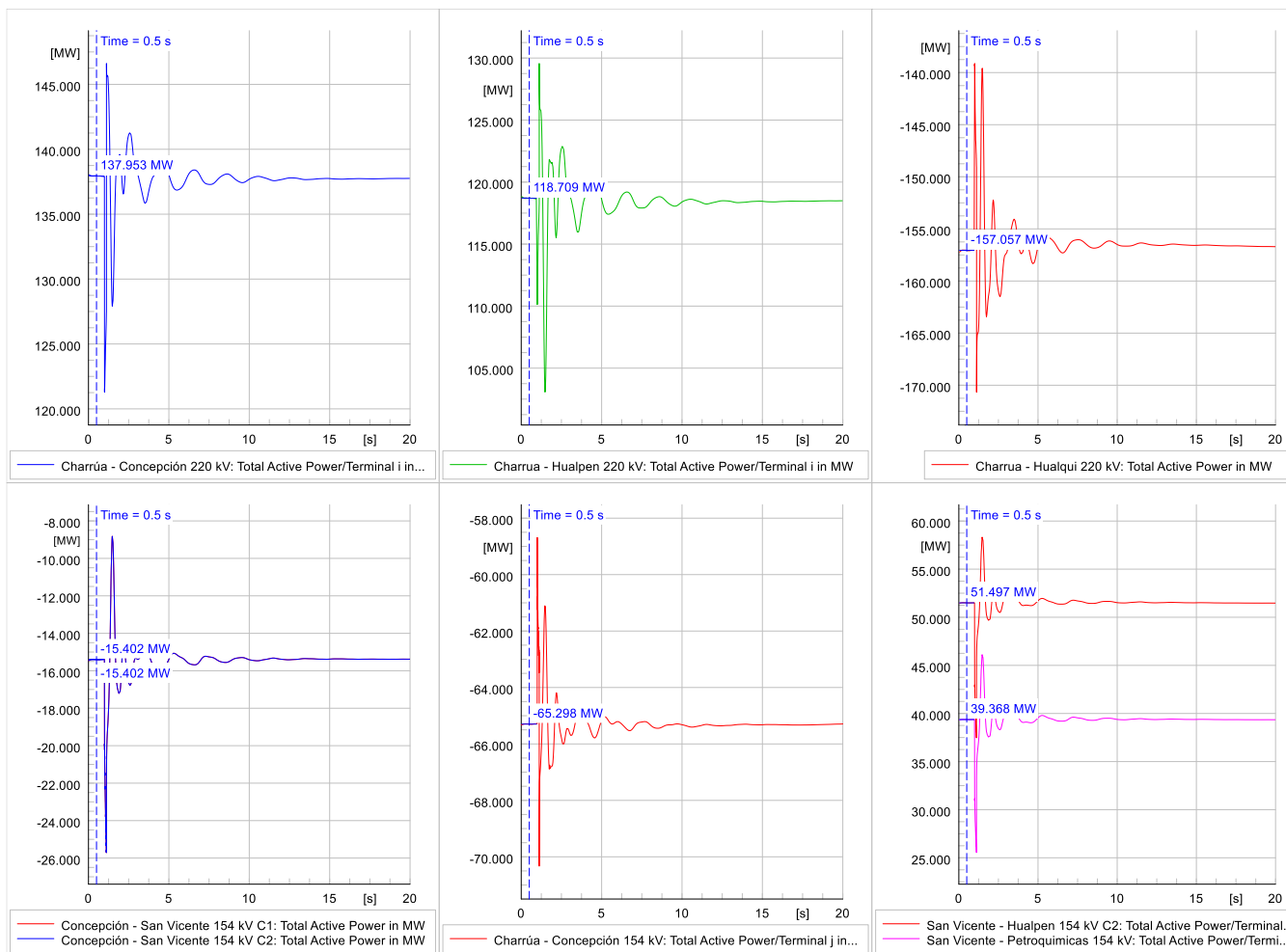


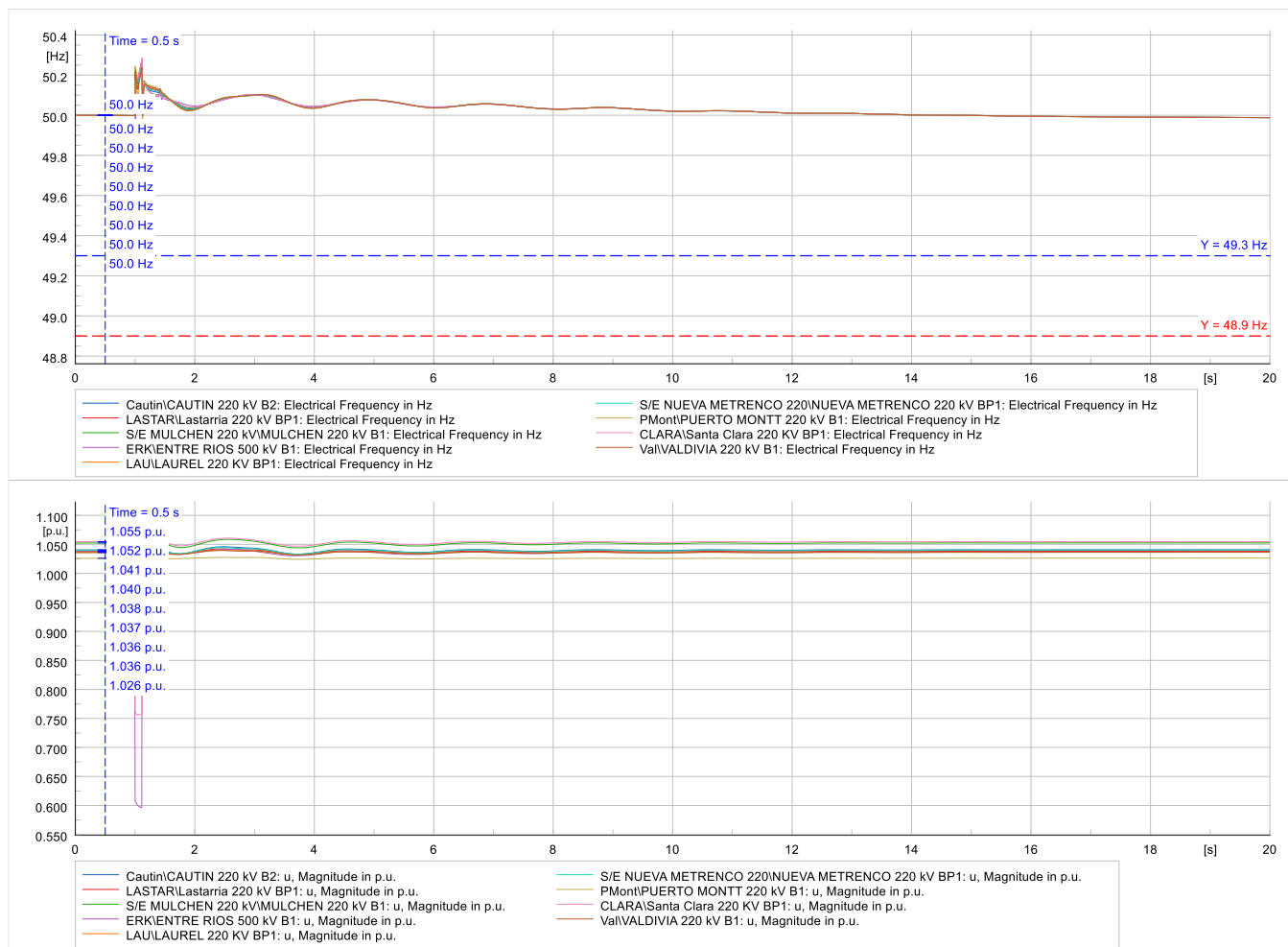


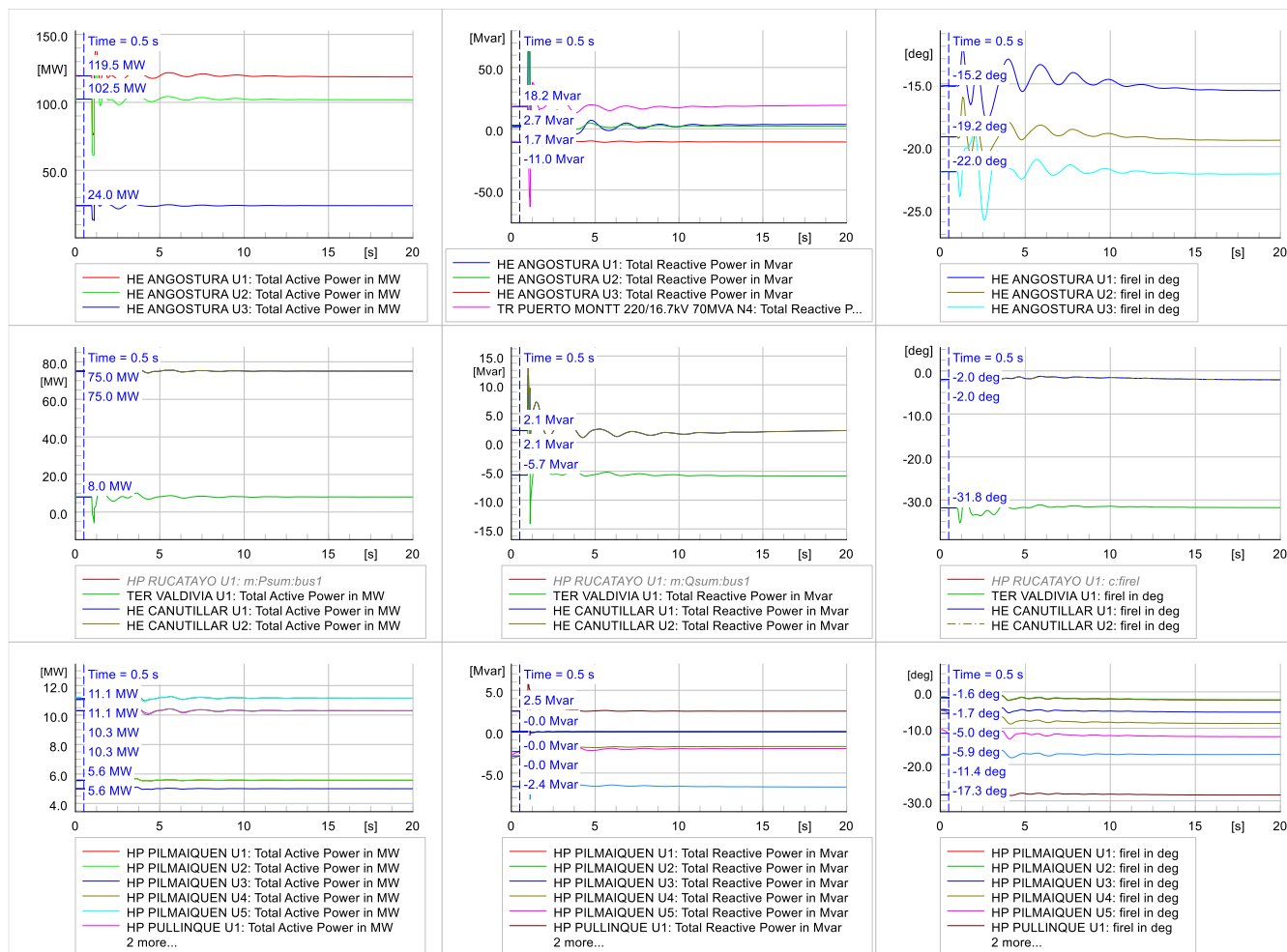




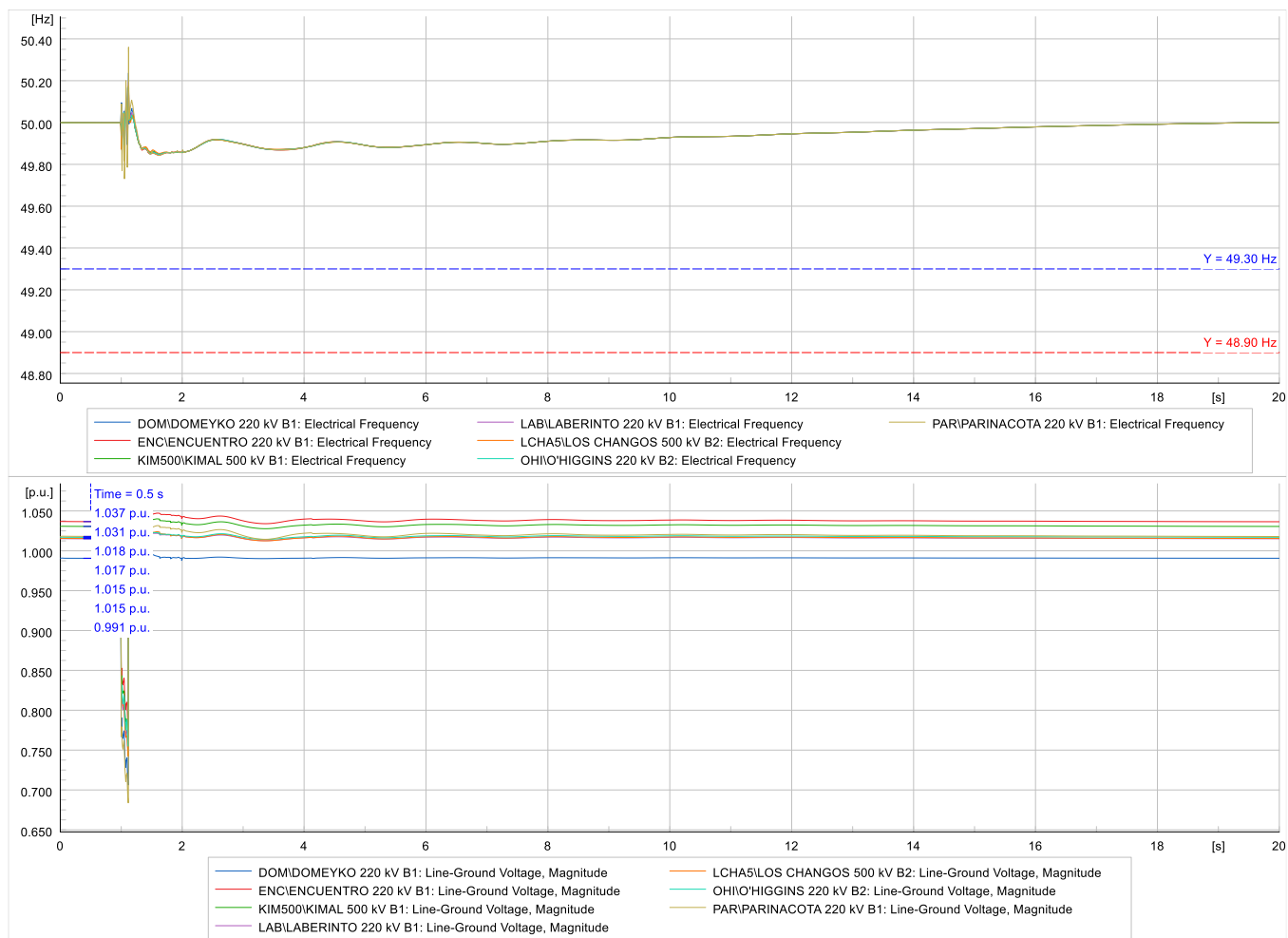


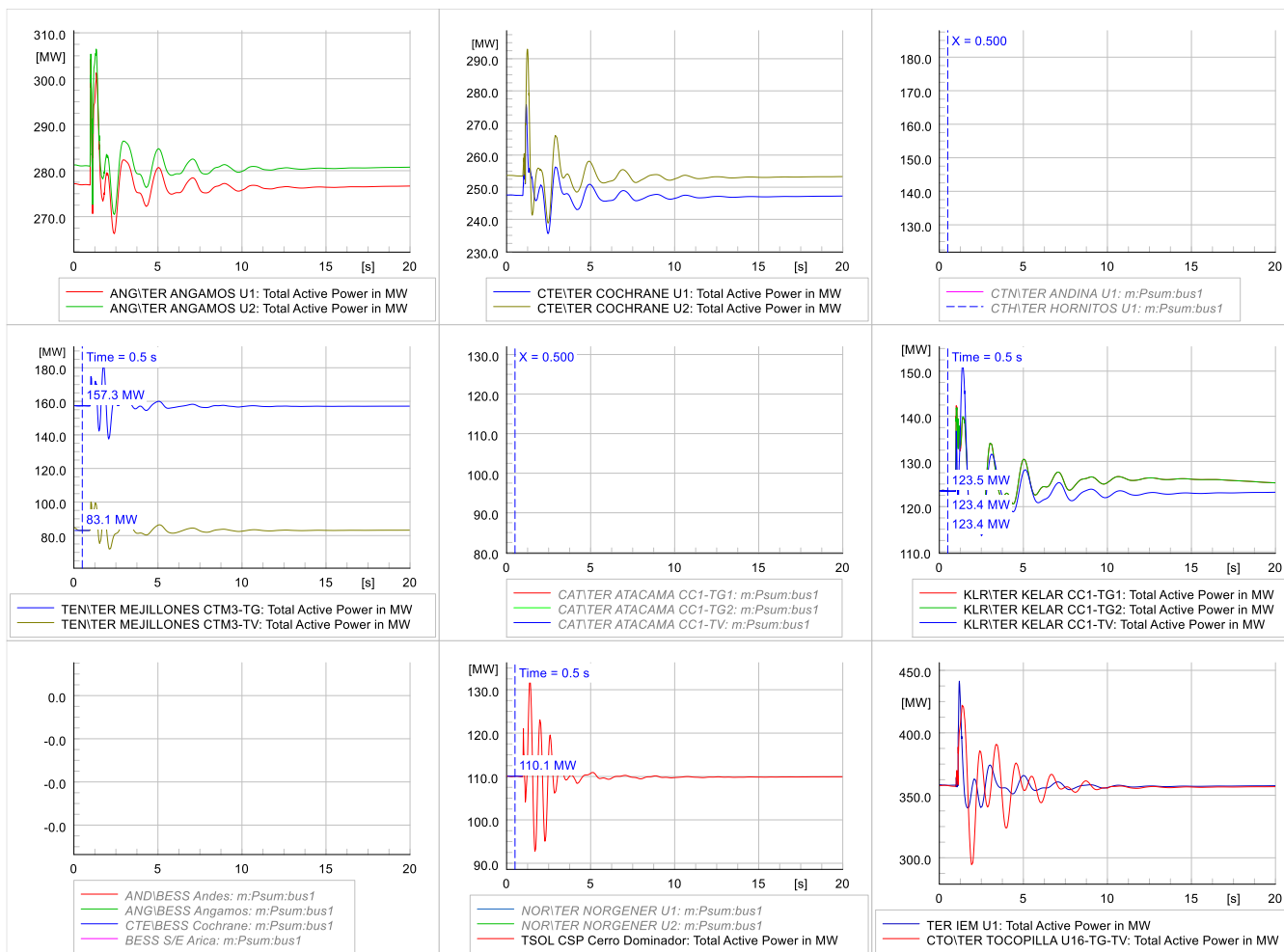


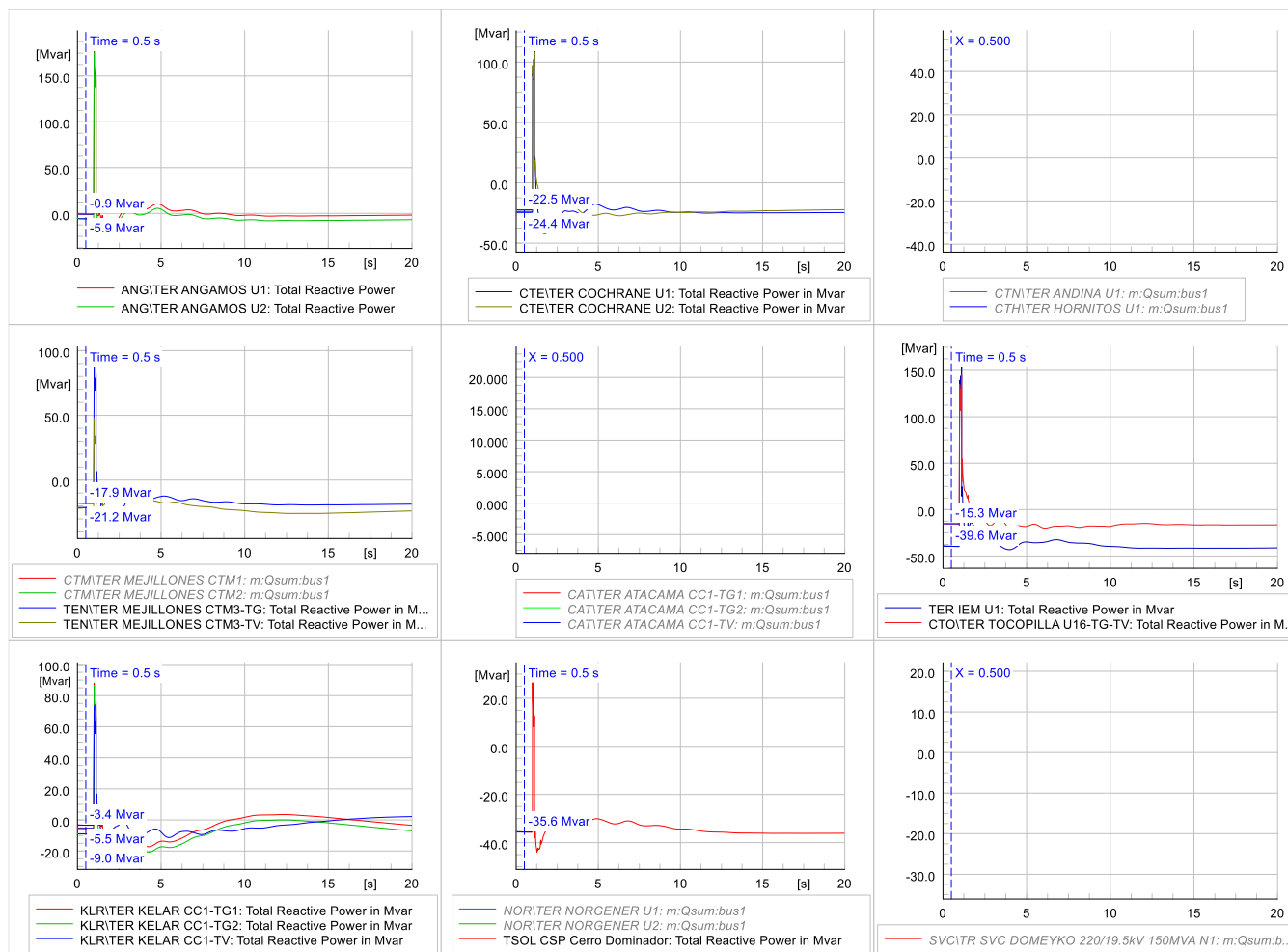


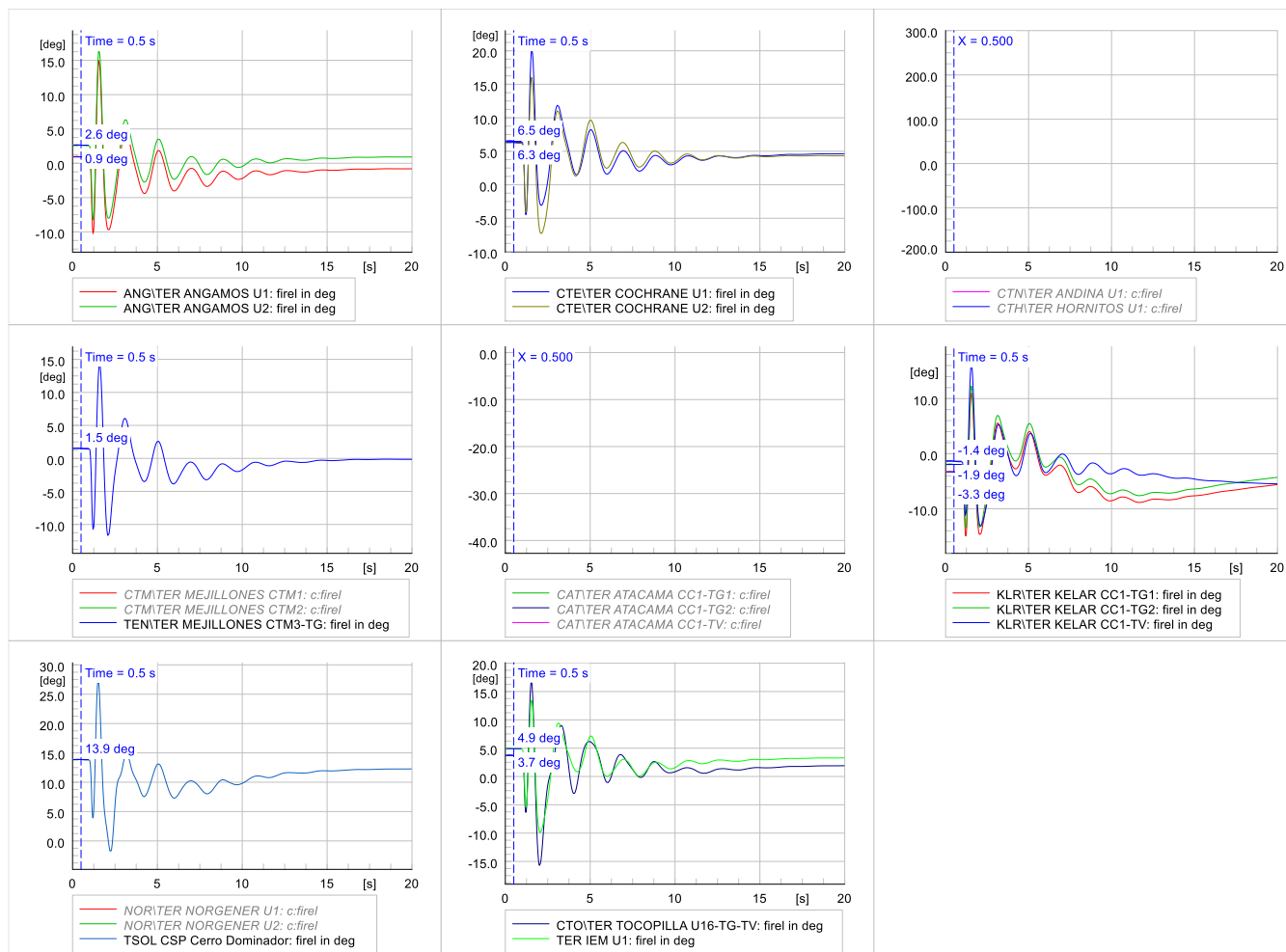


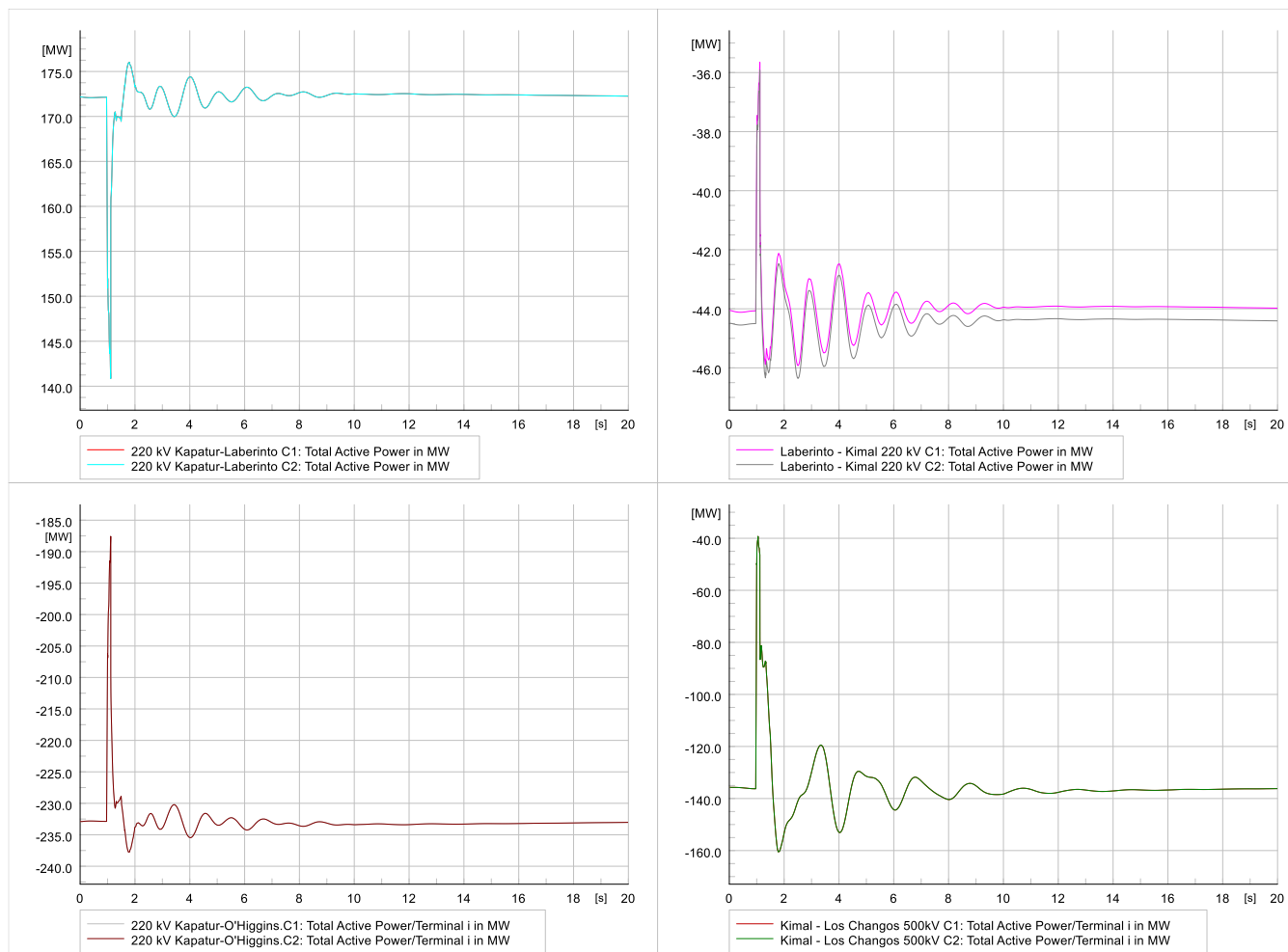
17.6 E2 2024_12_09 DA 22 Hrs.- Ancoa - Charrúa 500kV

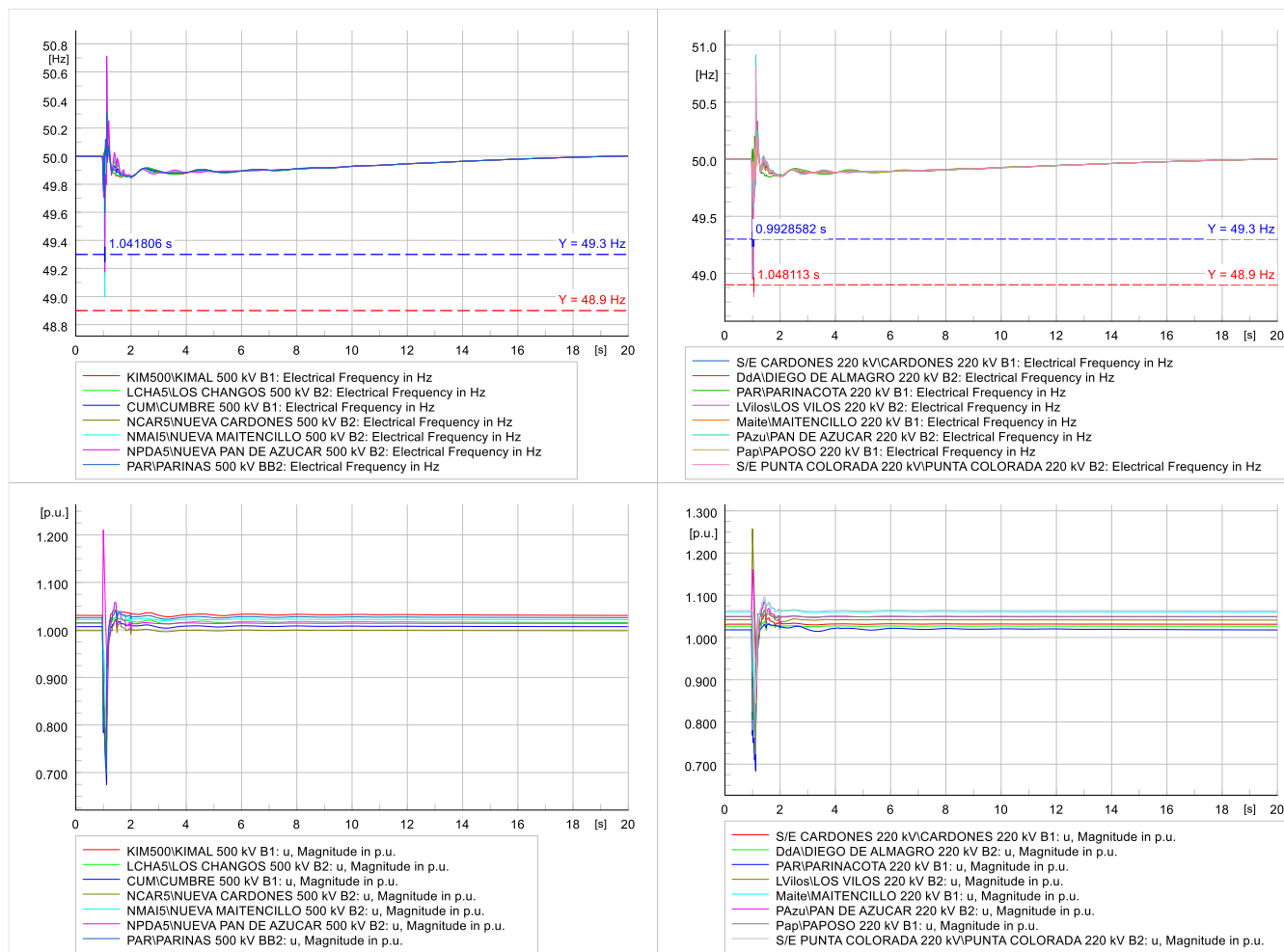


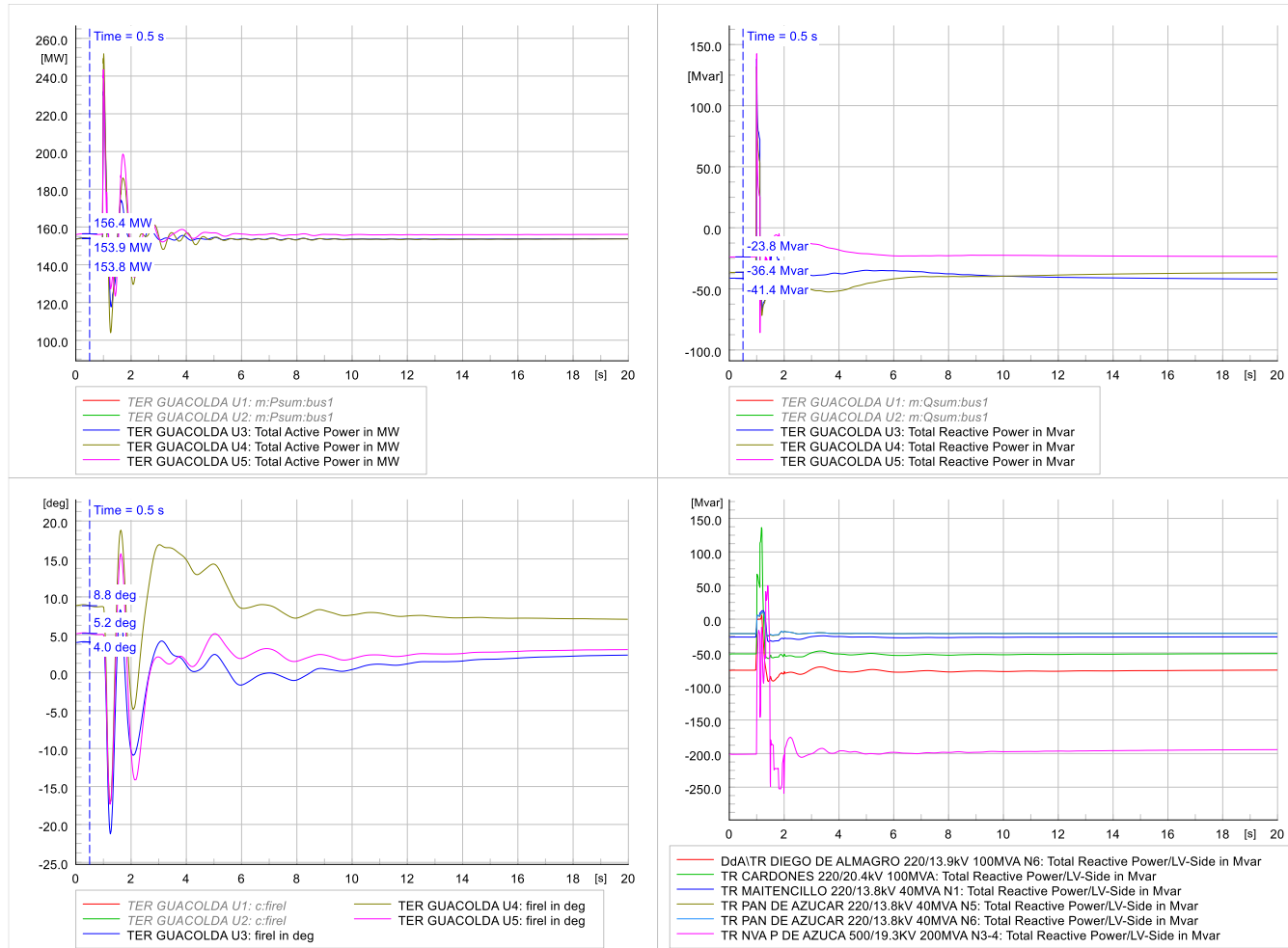


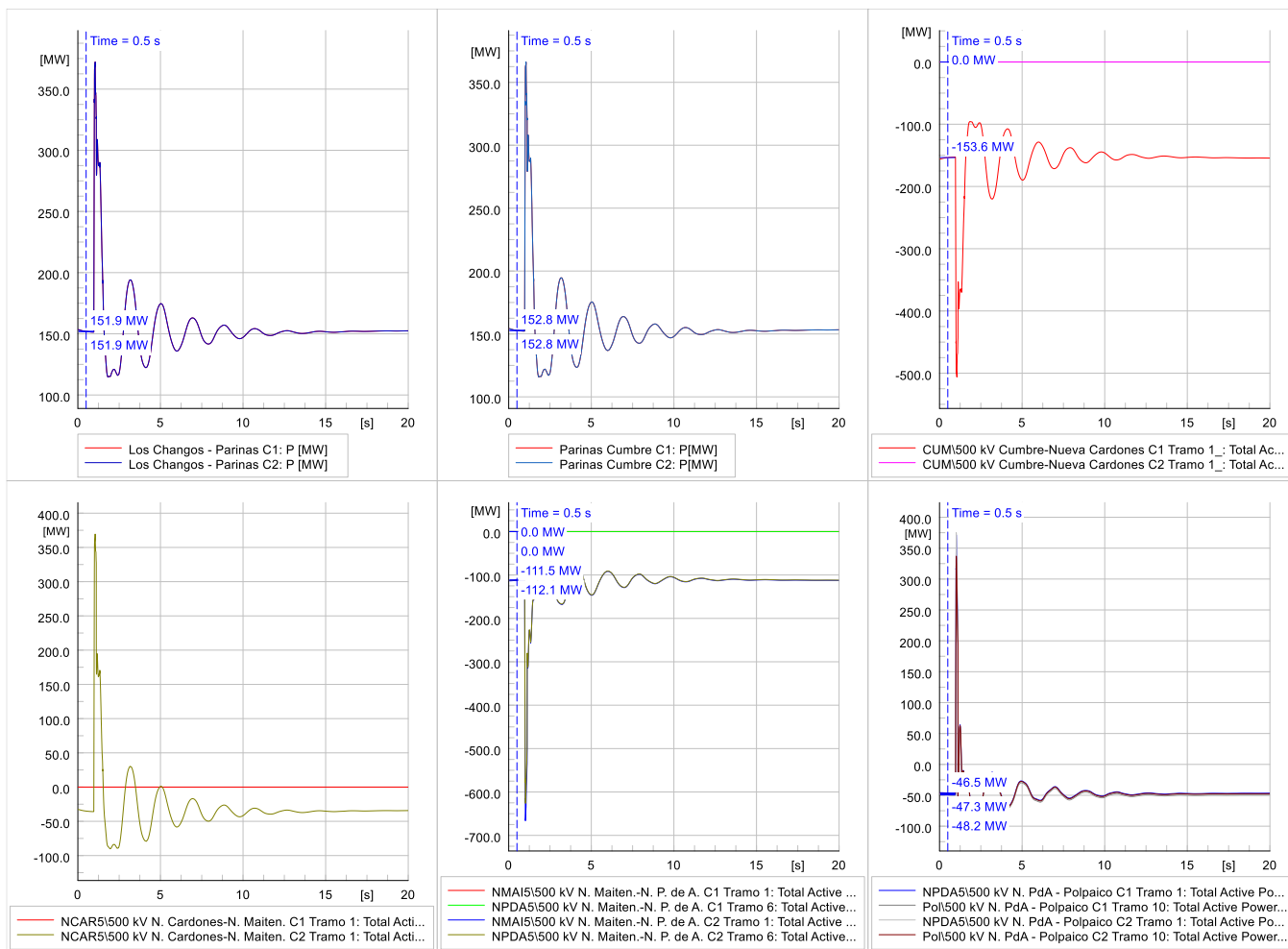


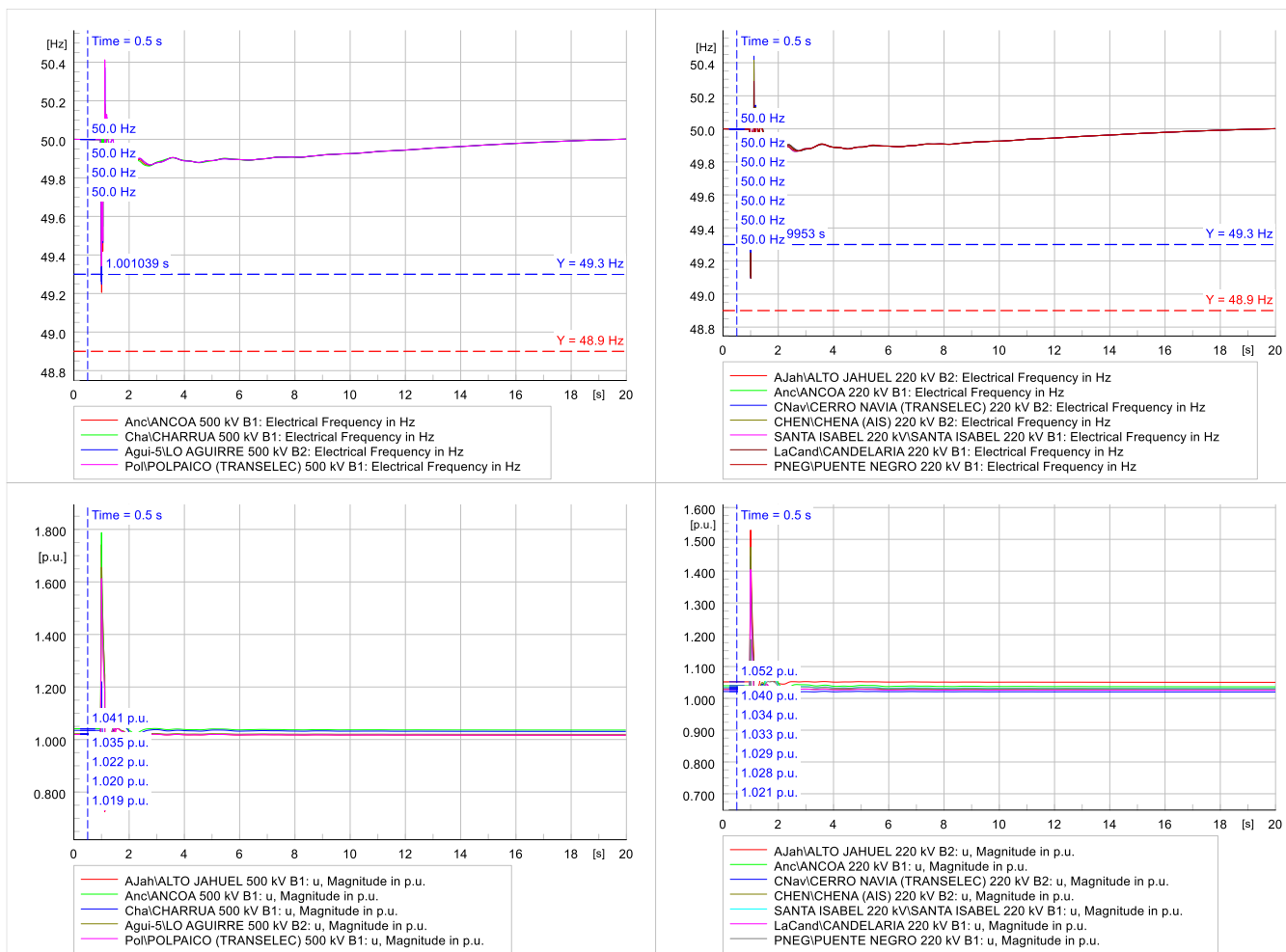


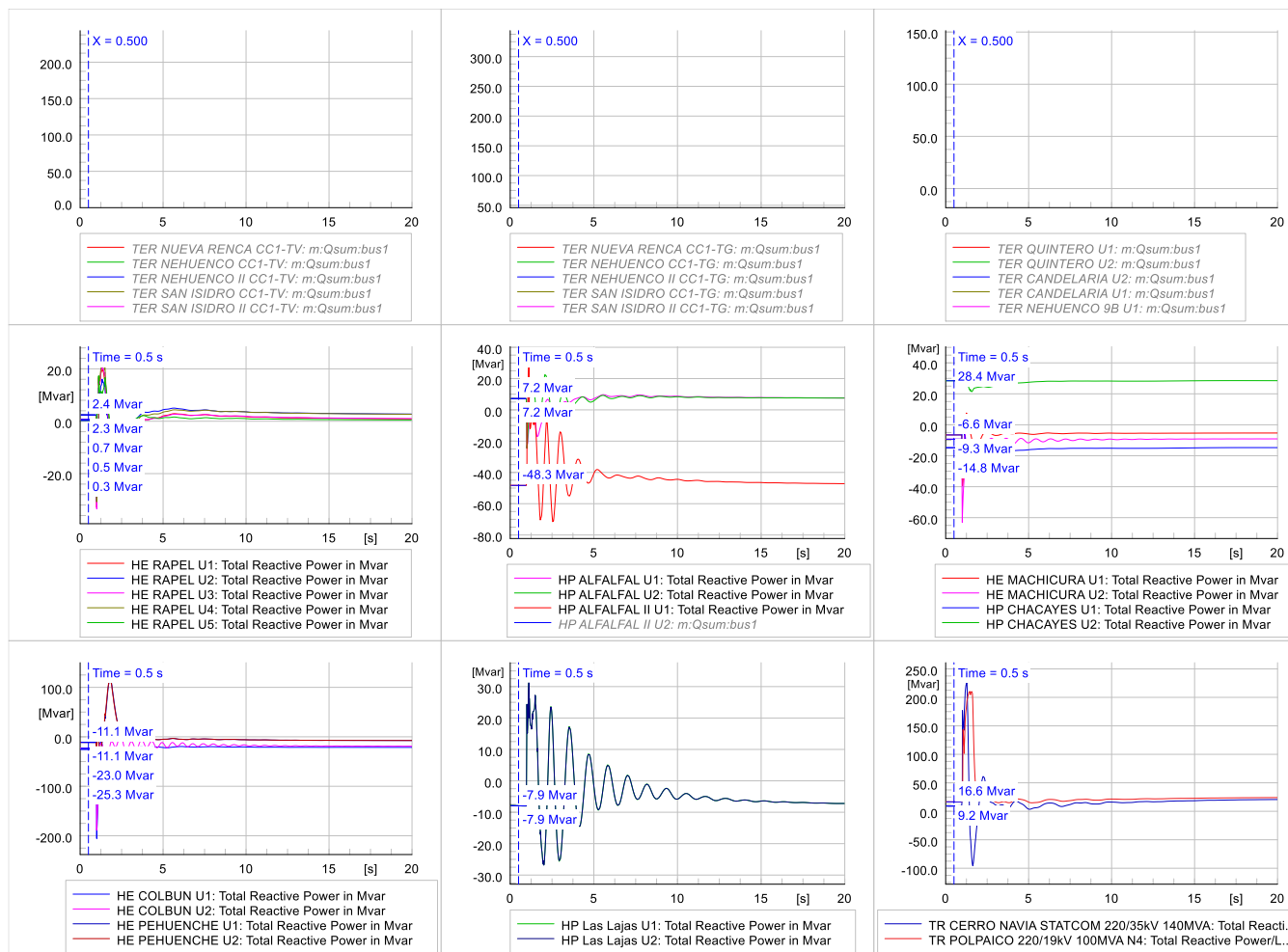


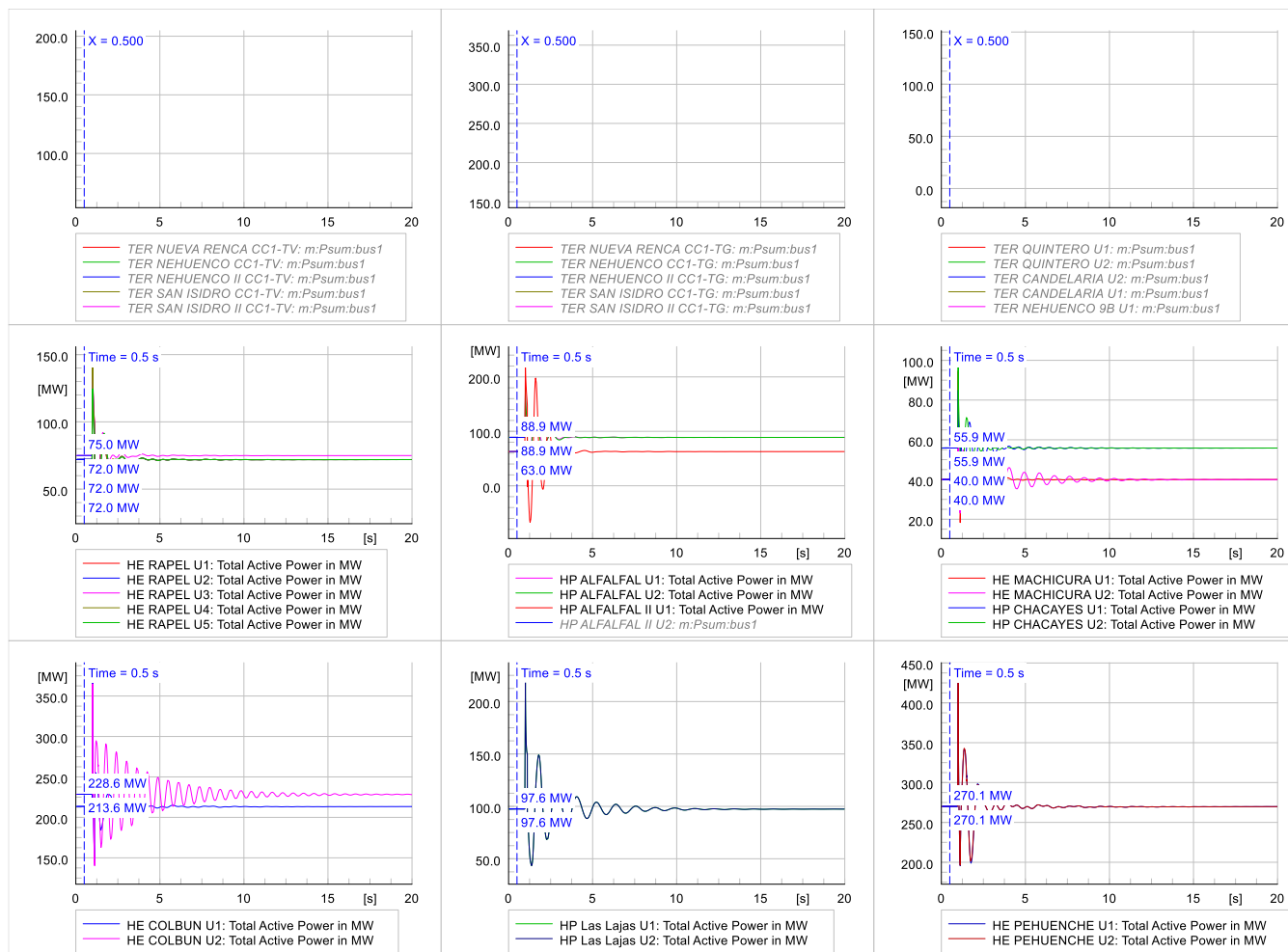


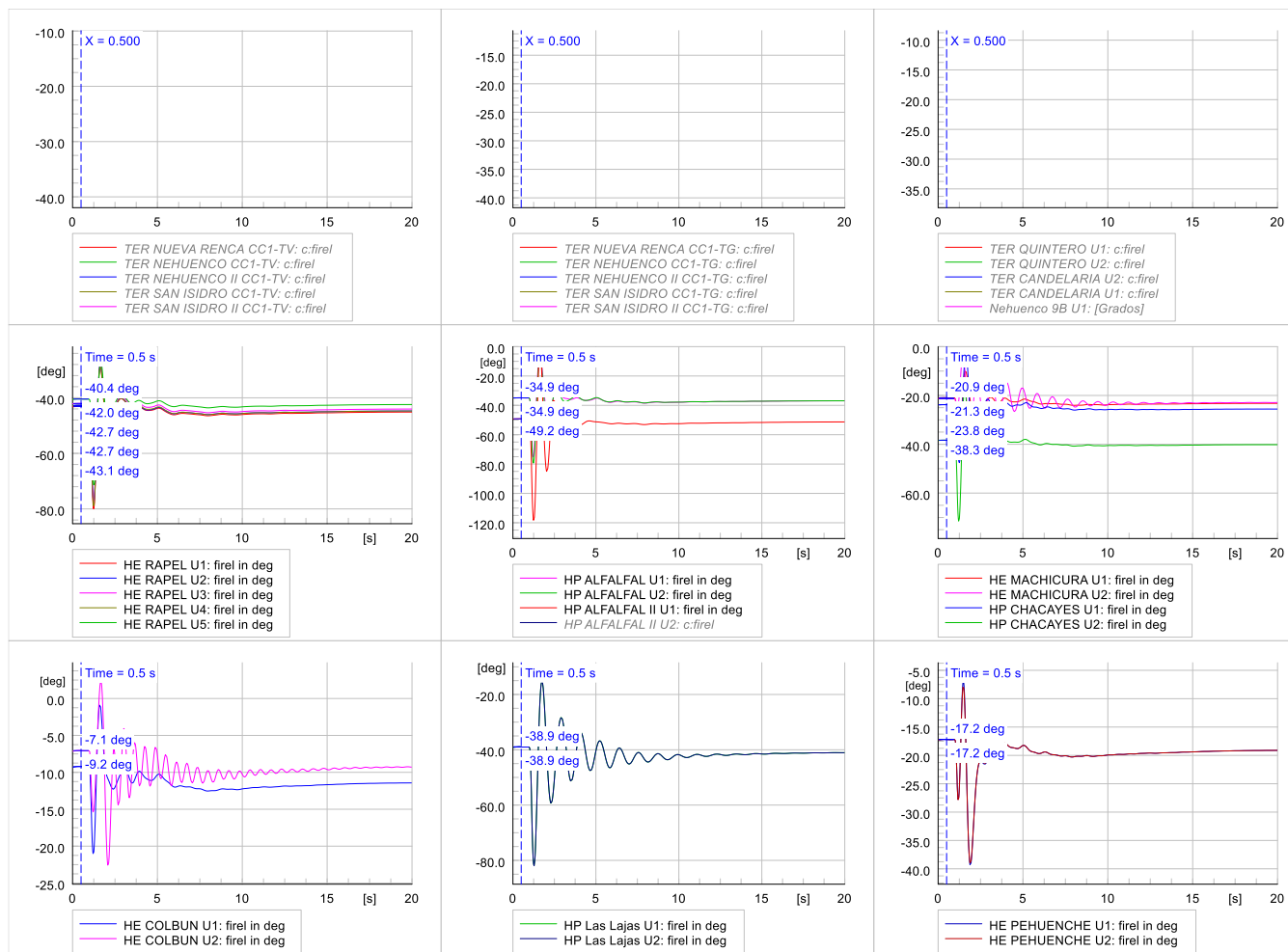


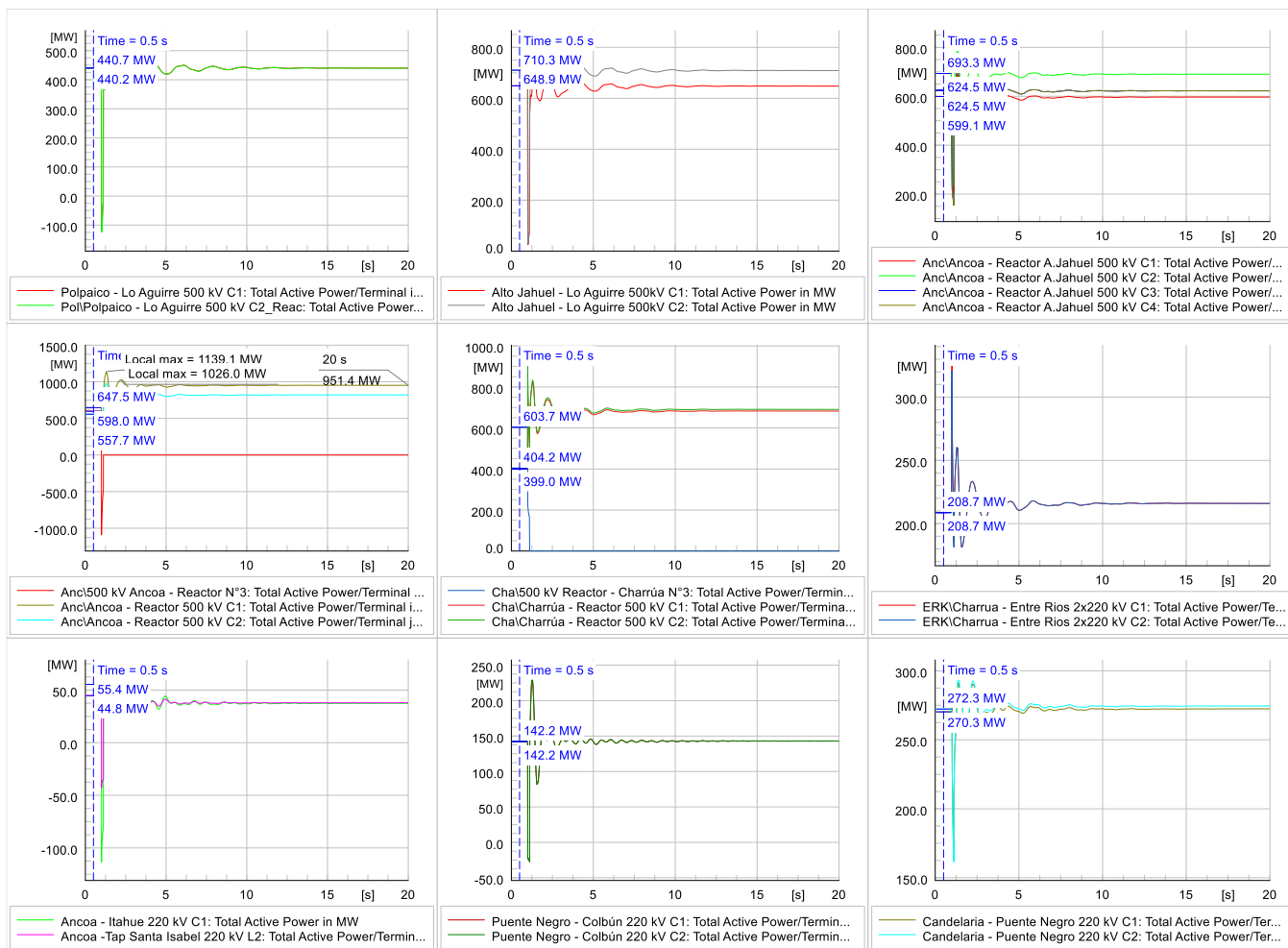


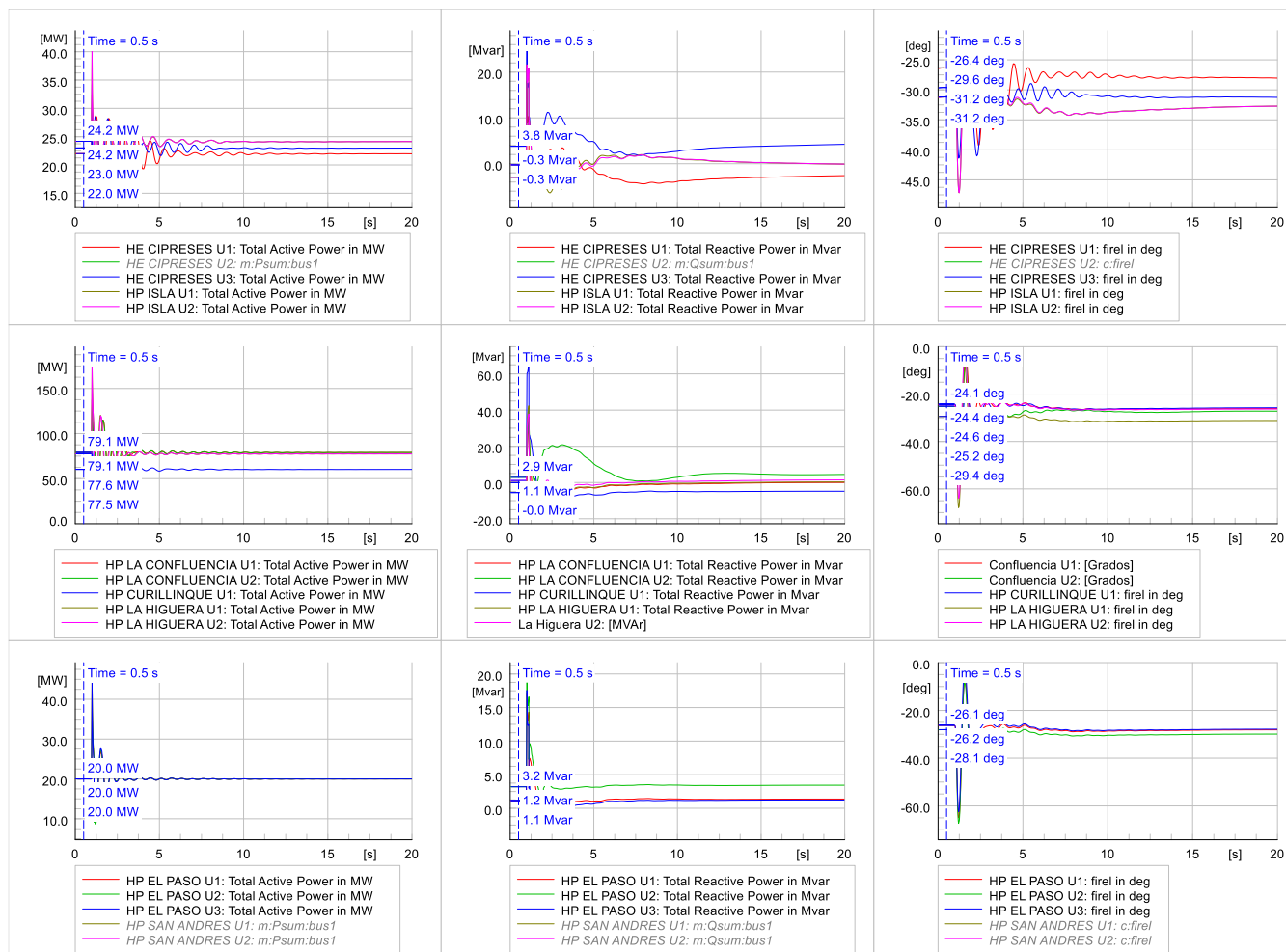


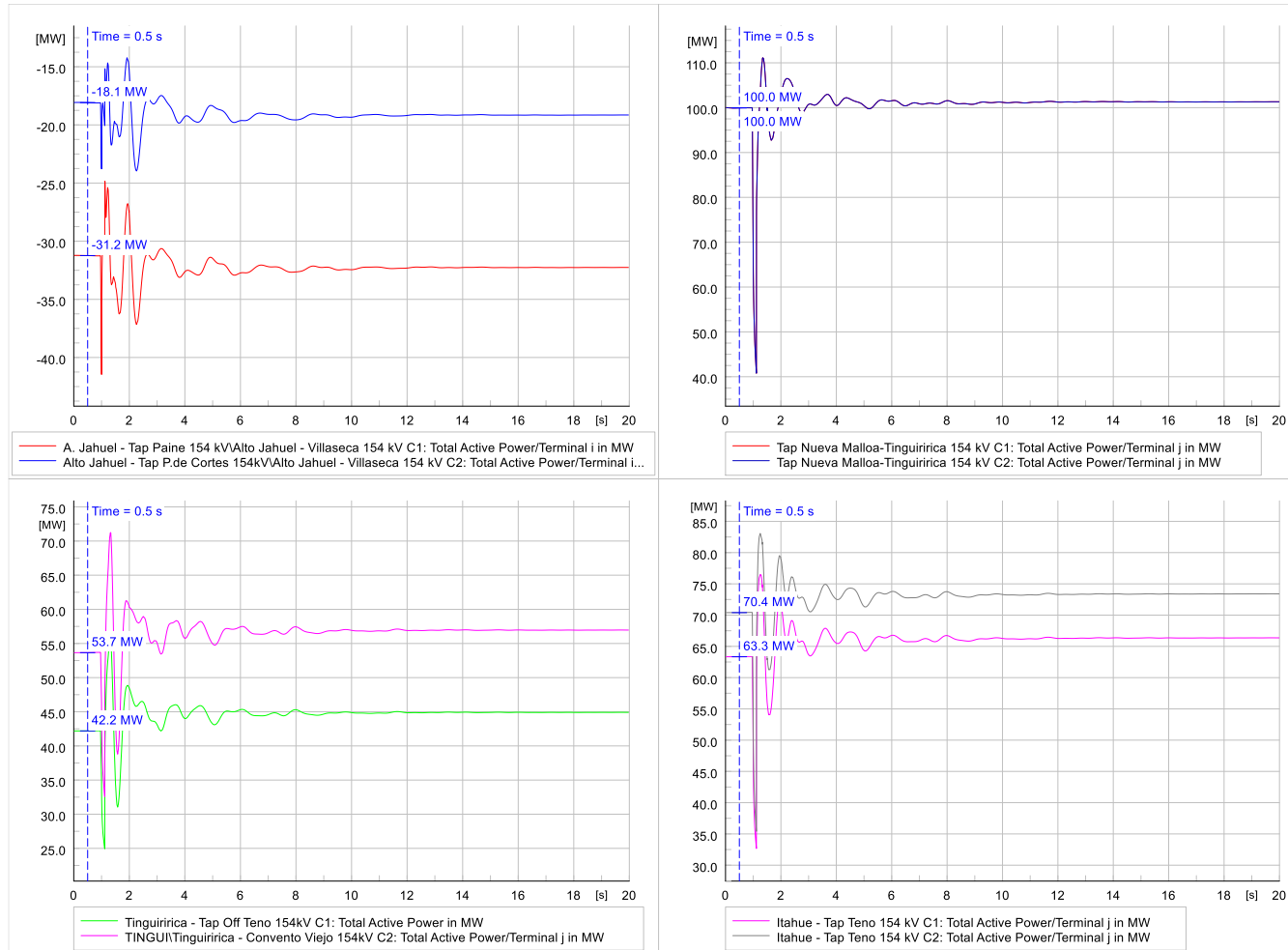


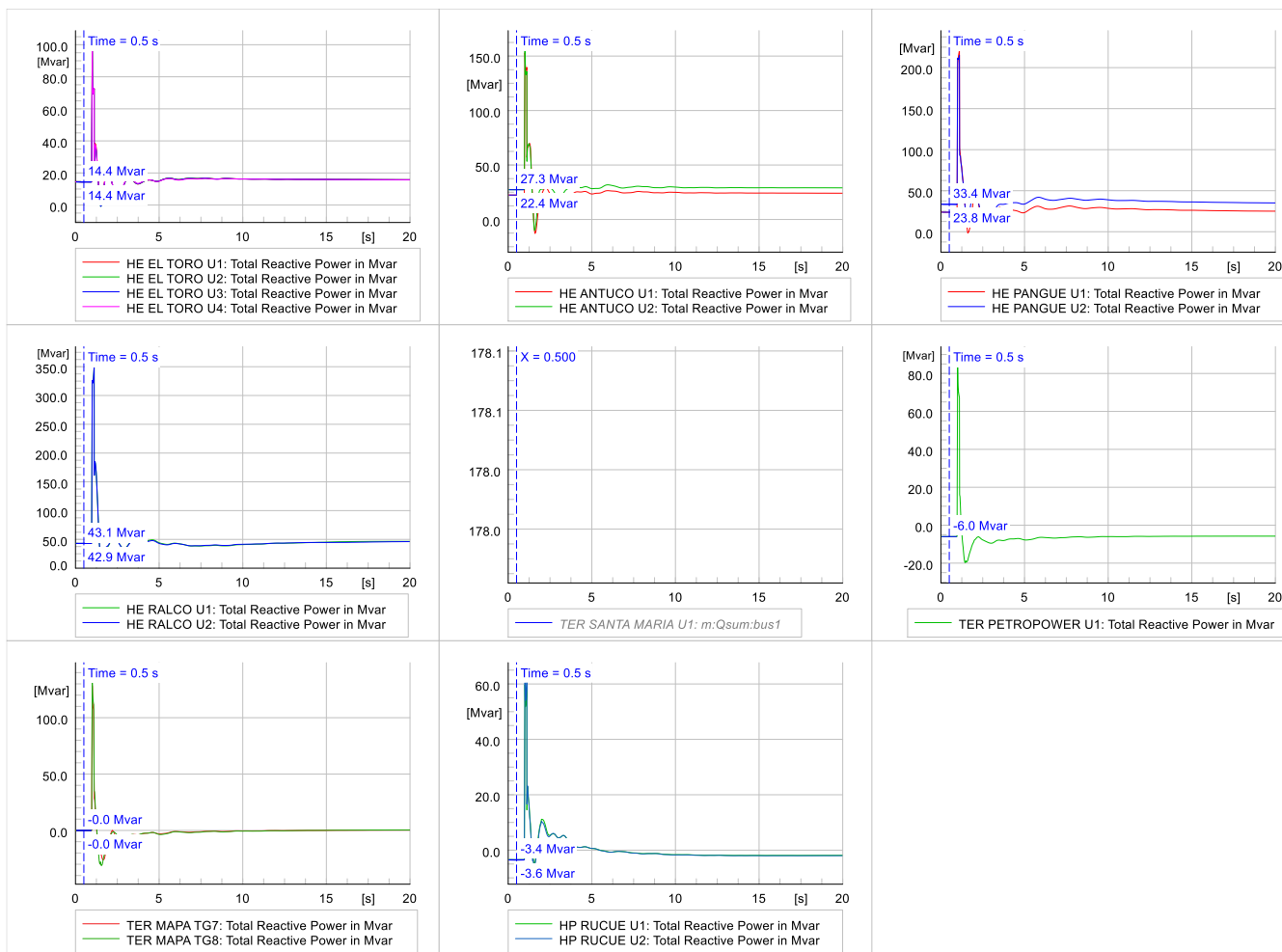


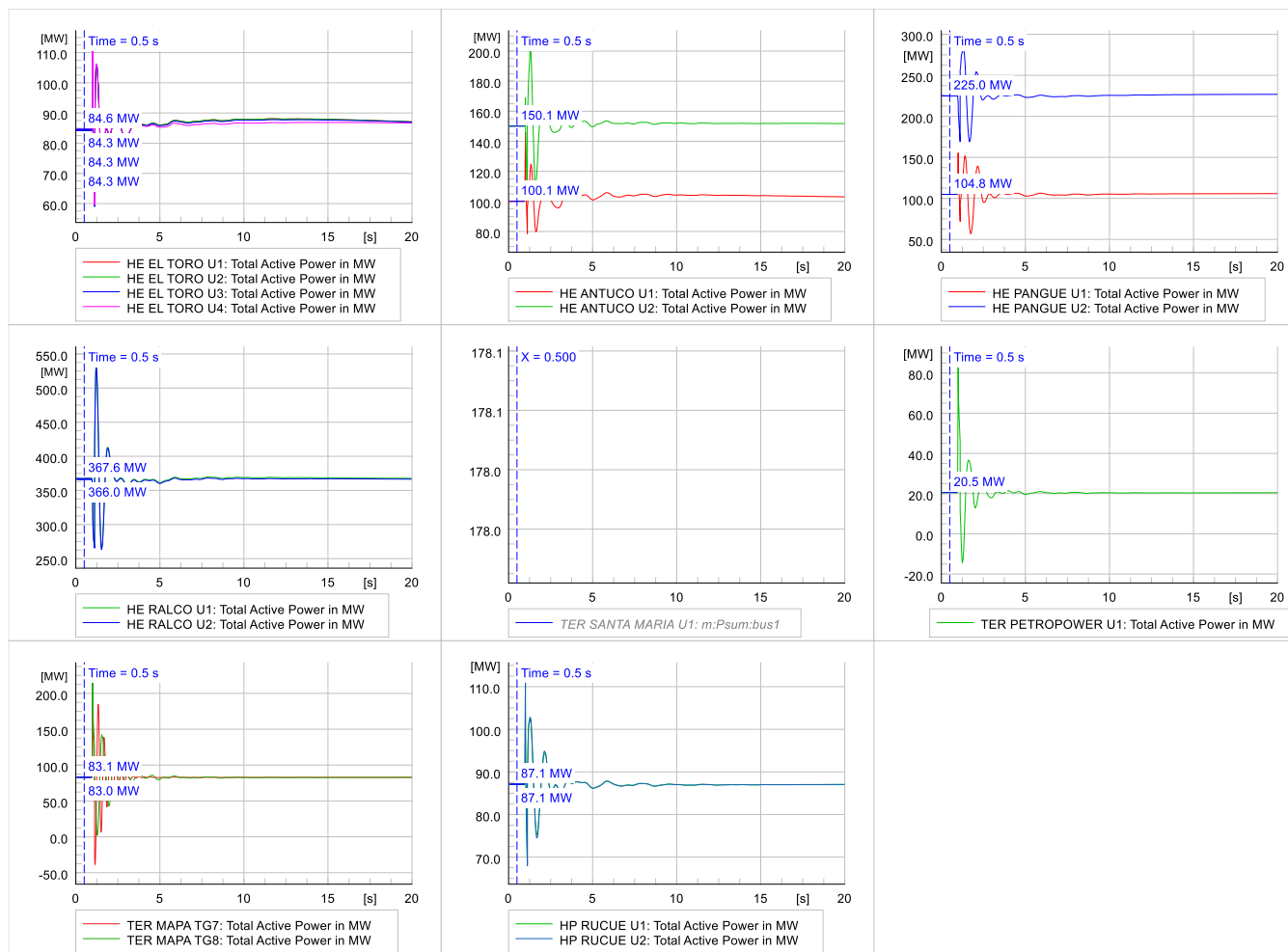


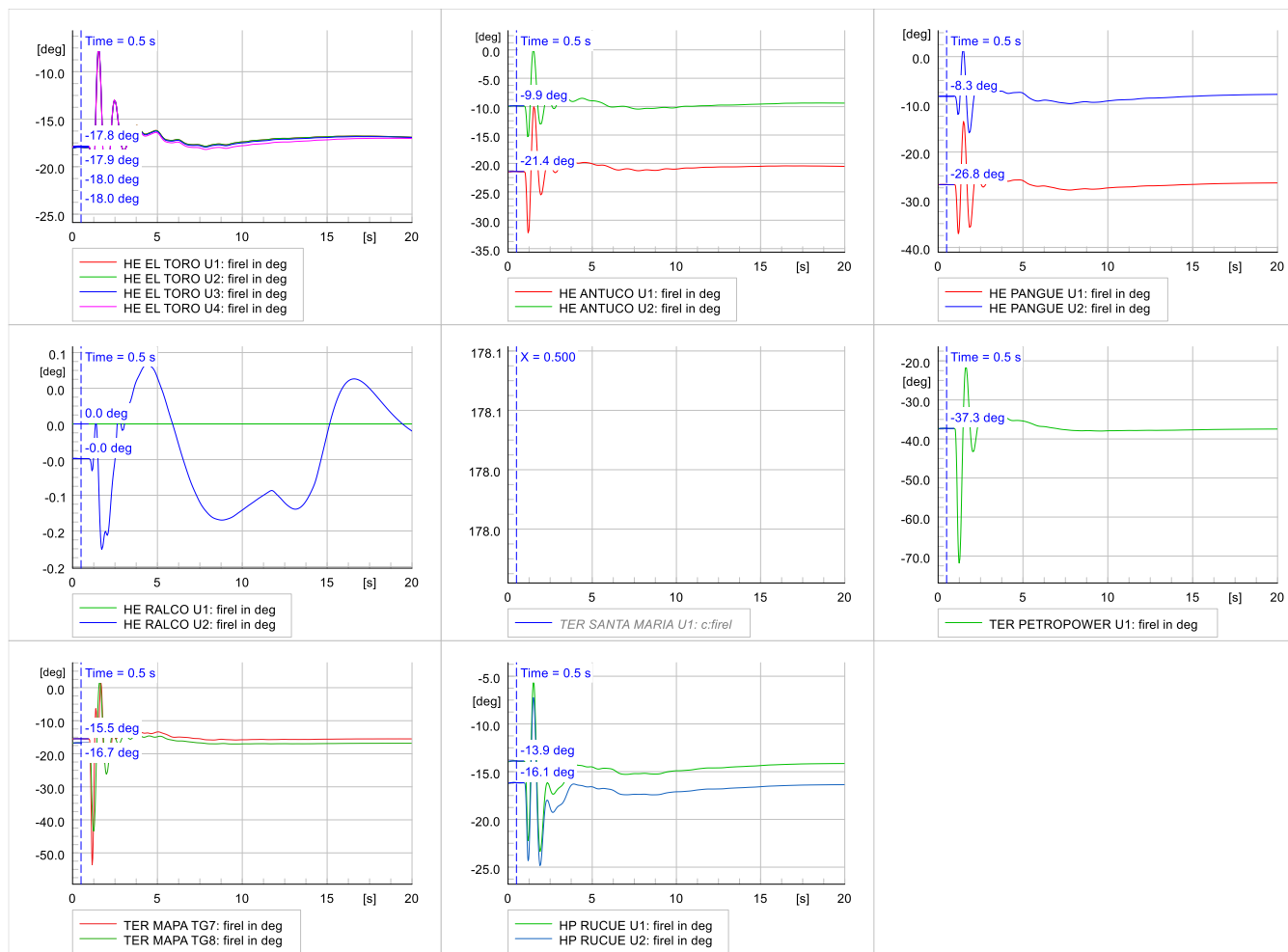


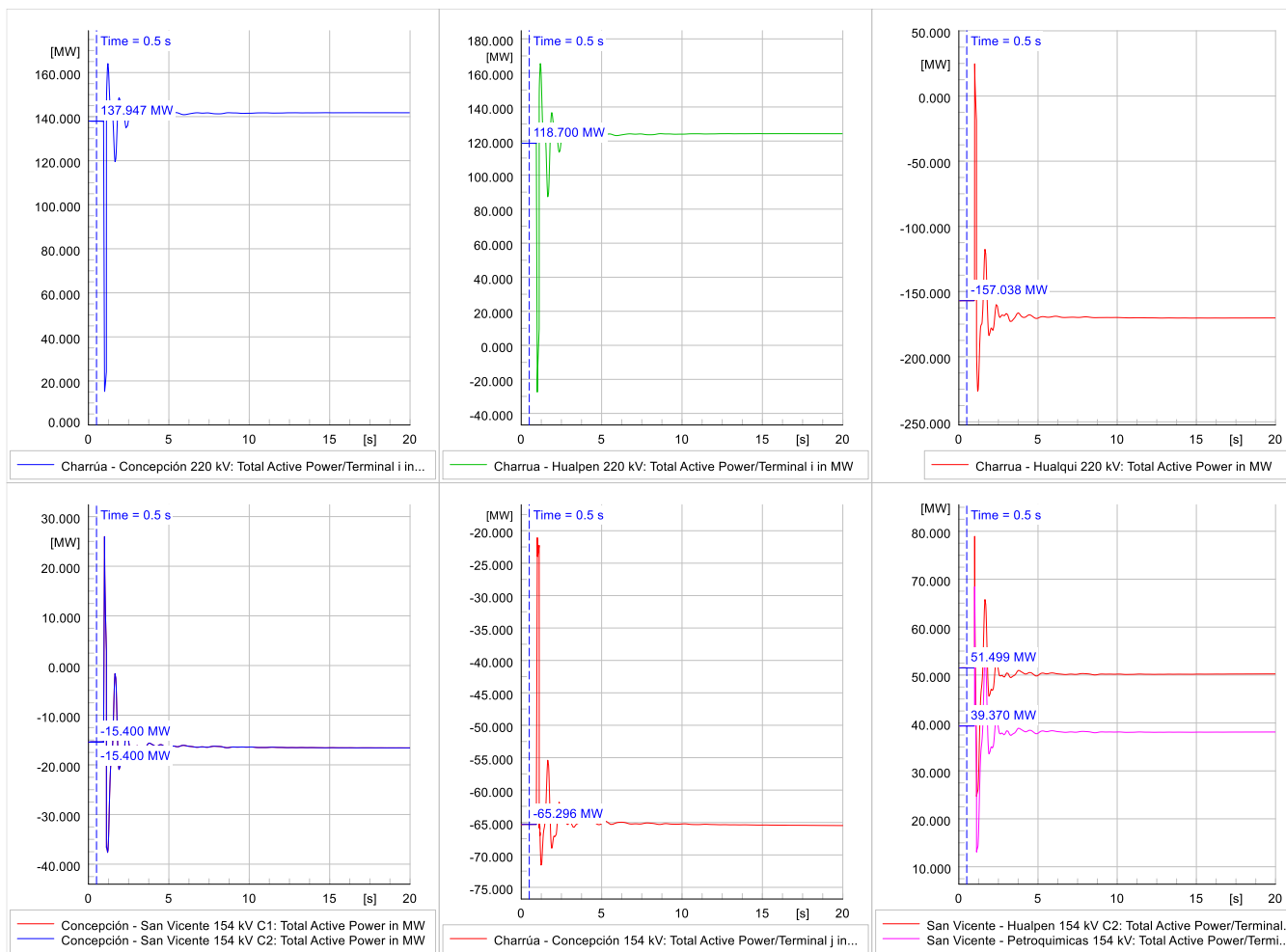


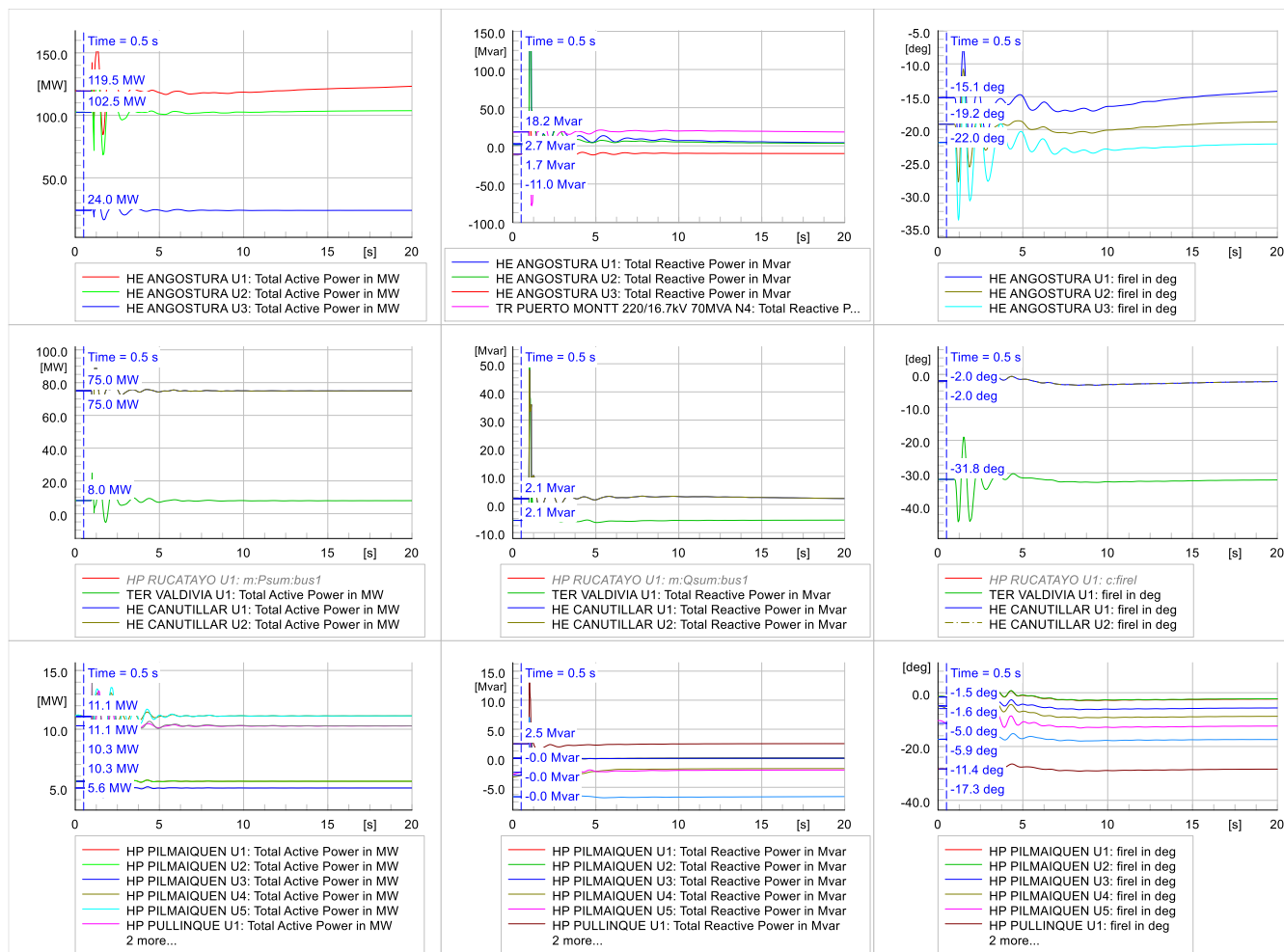


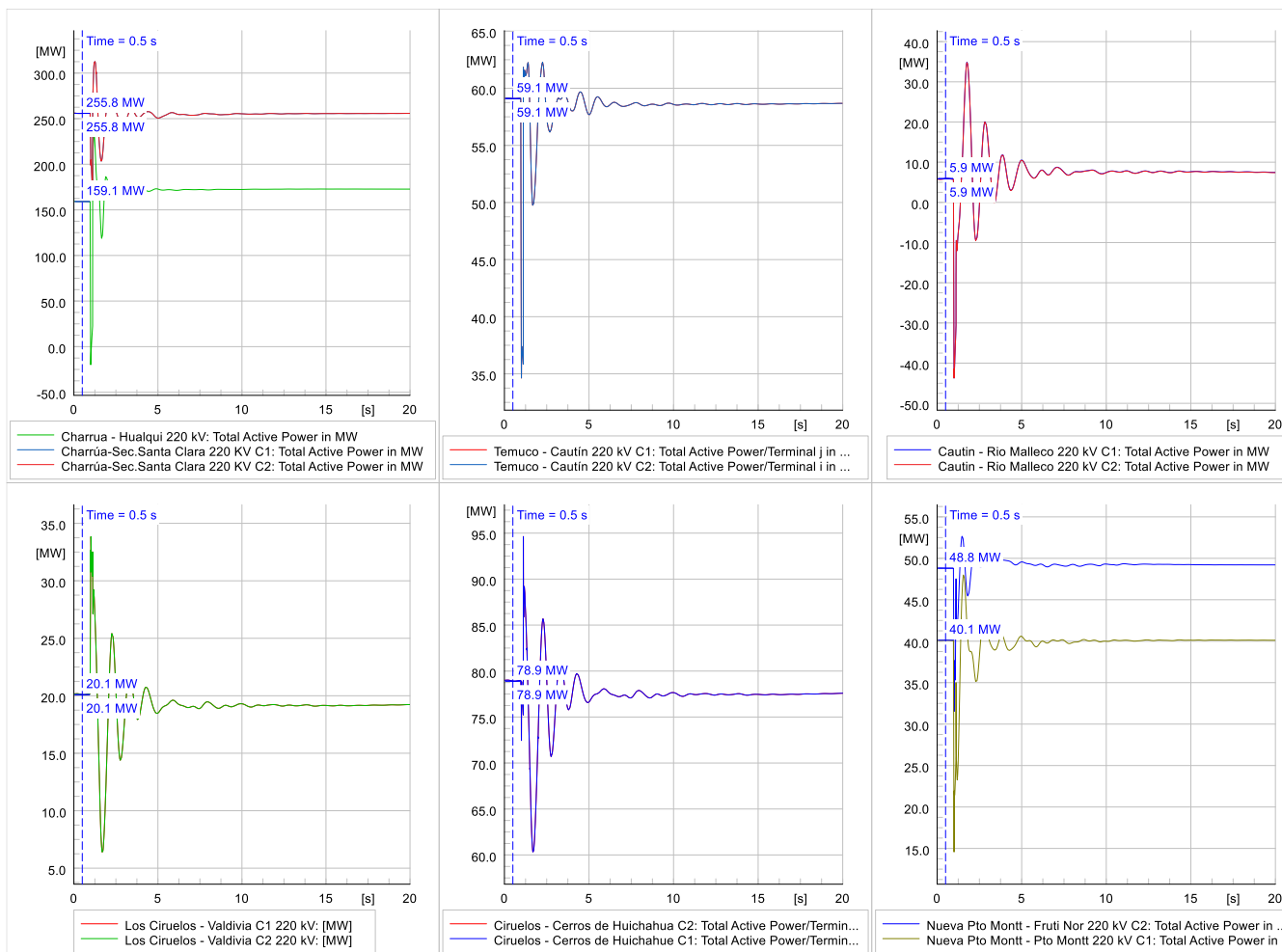




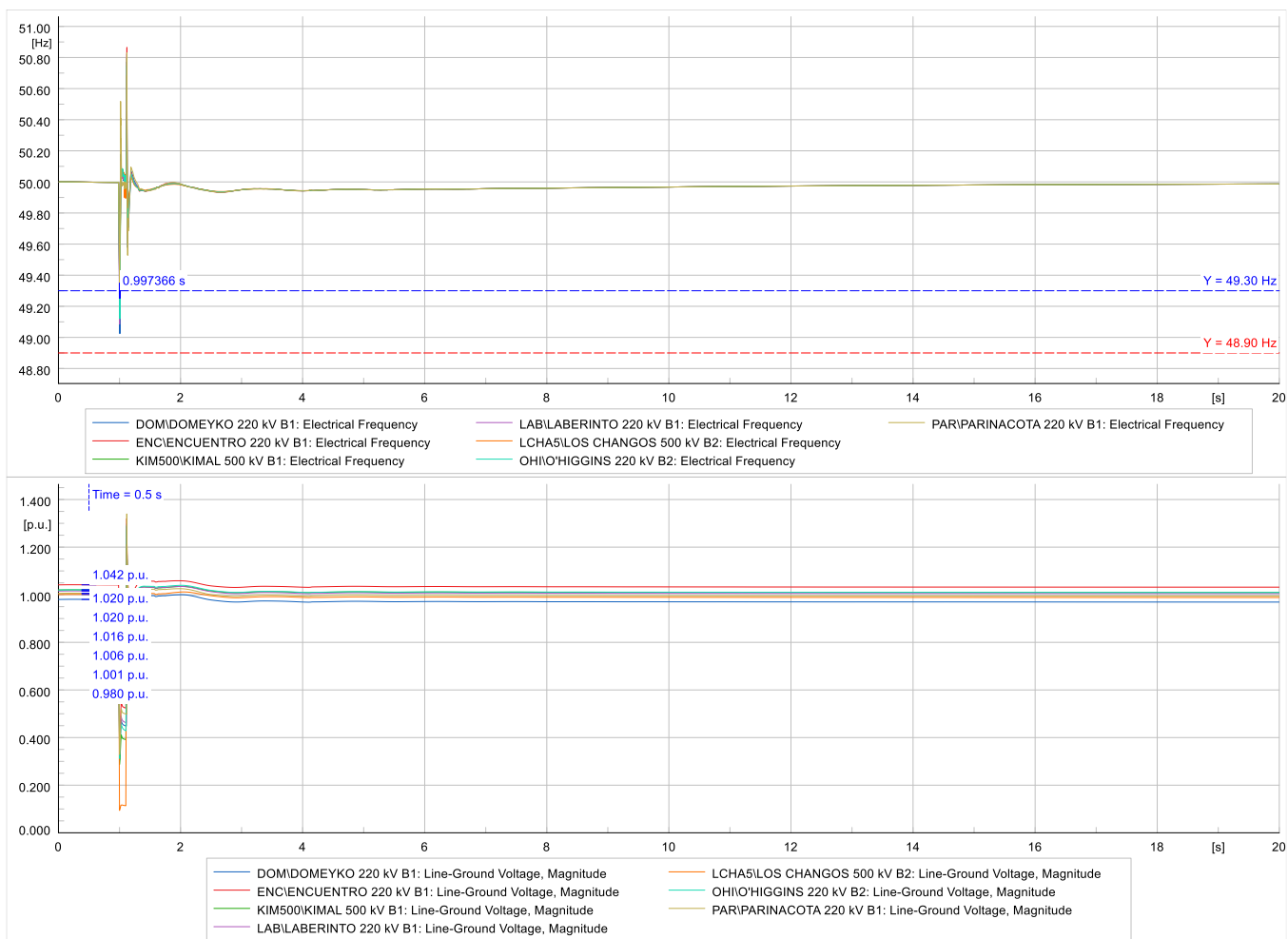


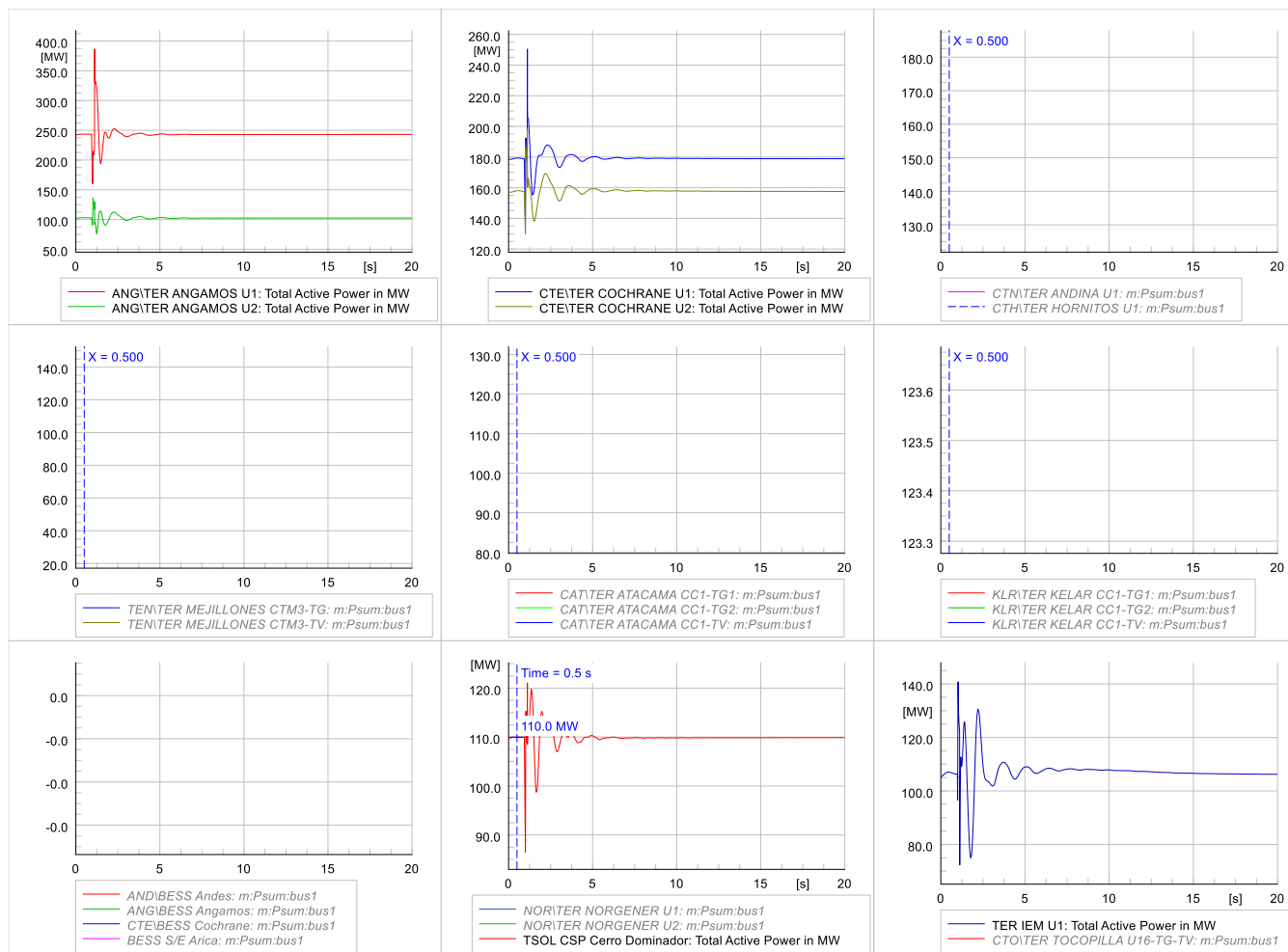


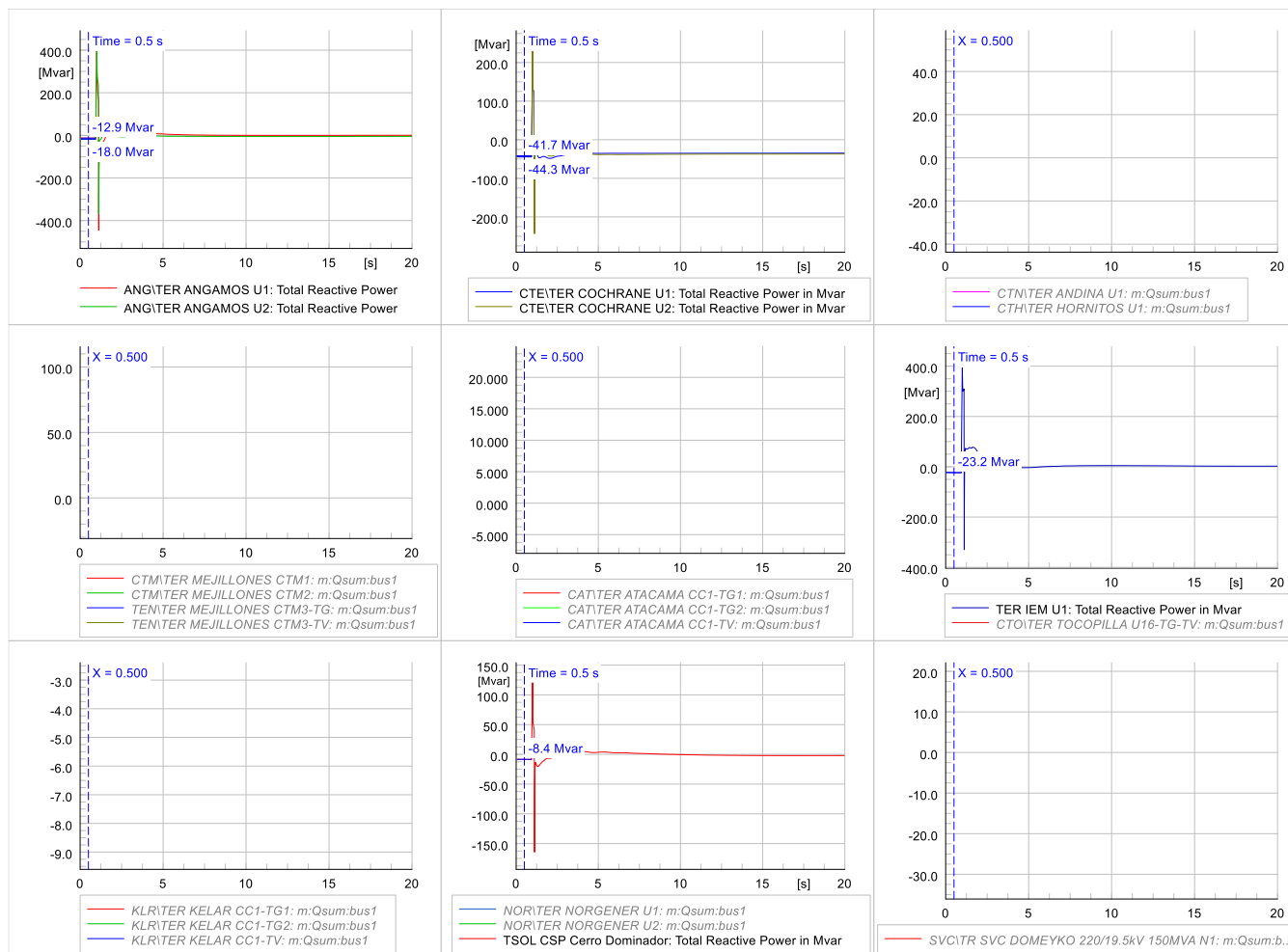


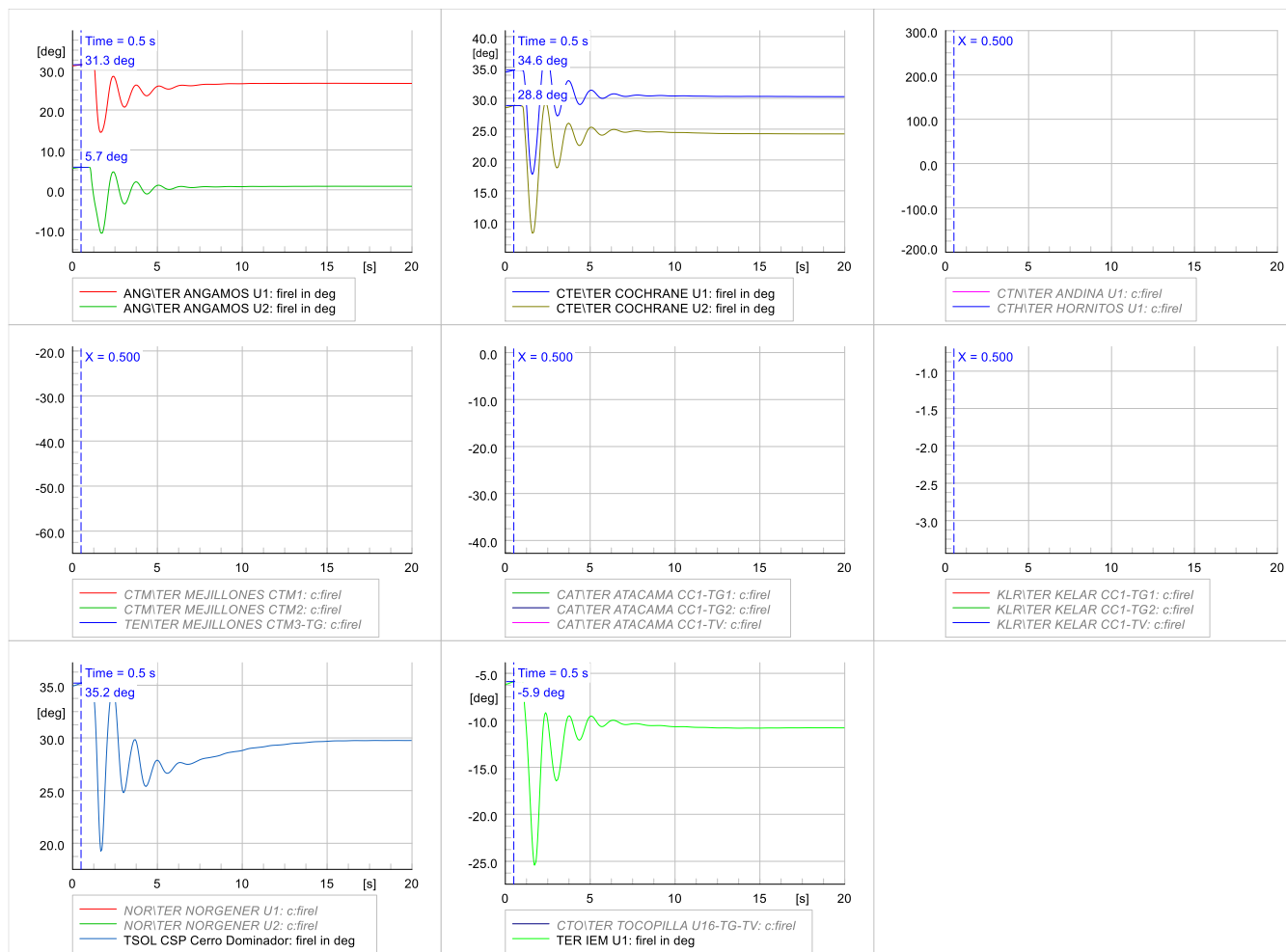


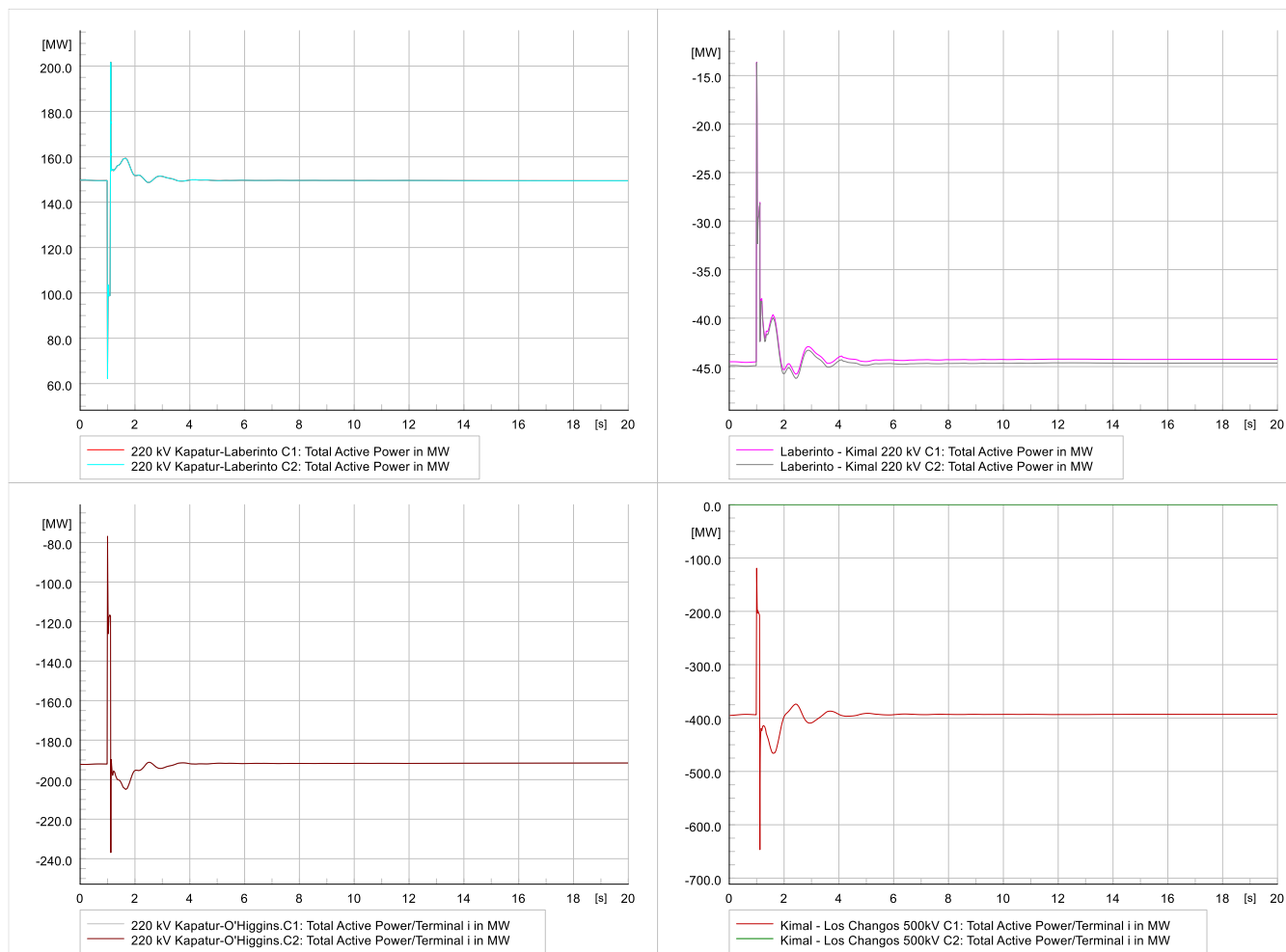
17.7 E3 2024_04_07 DB 19 Hrs.- Los Changos - Parinas 500kV

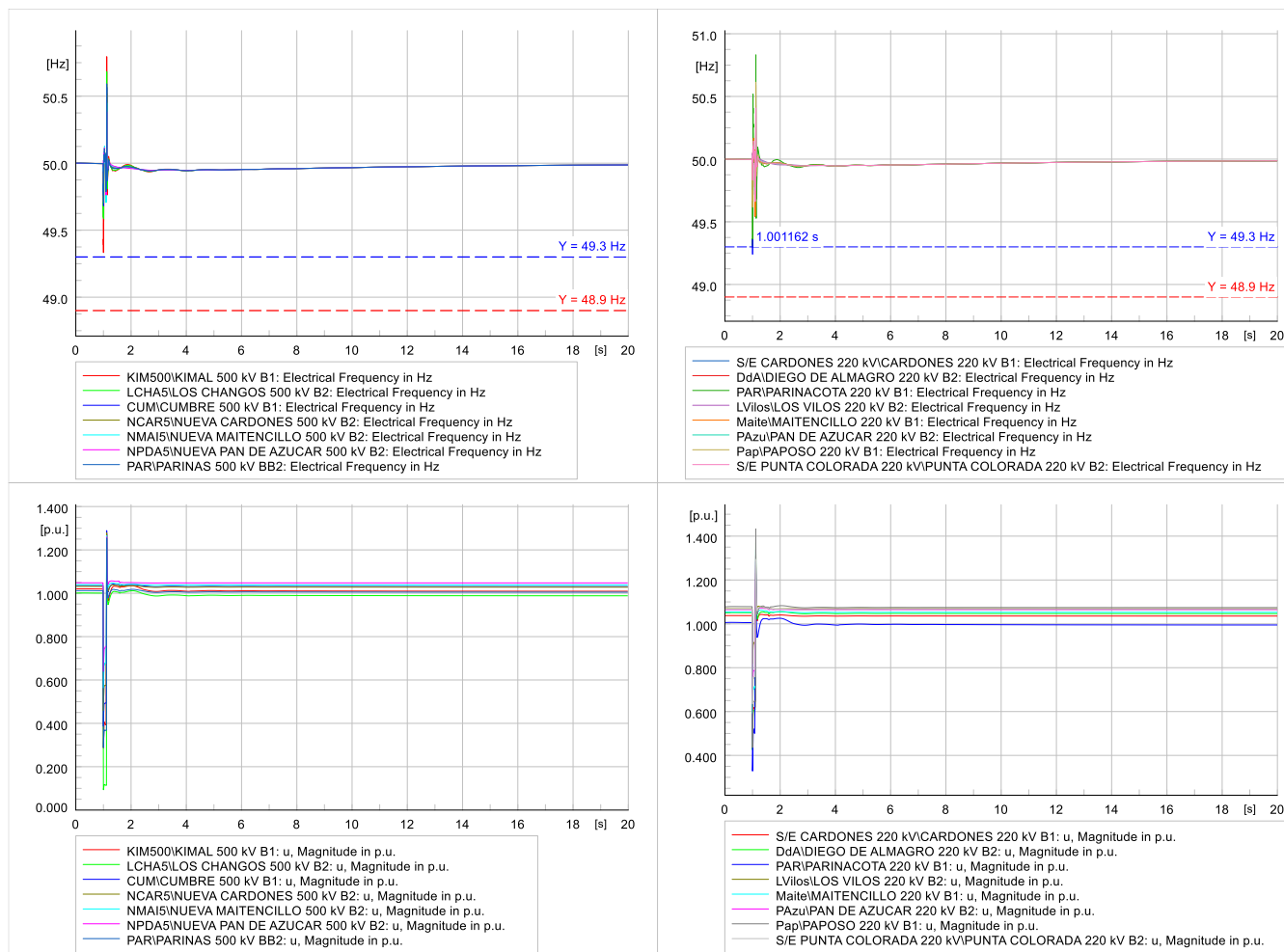


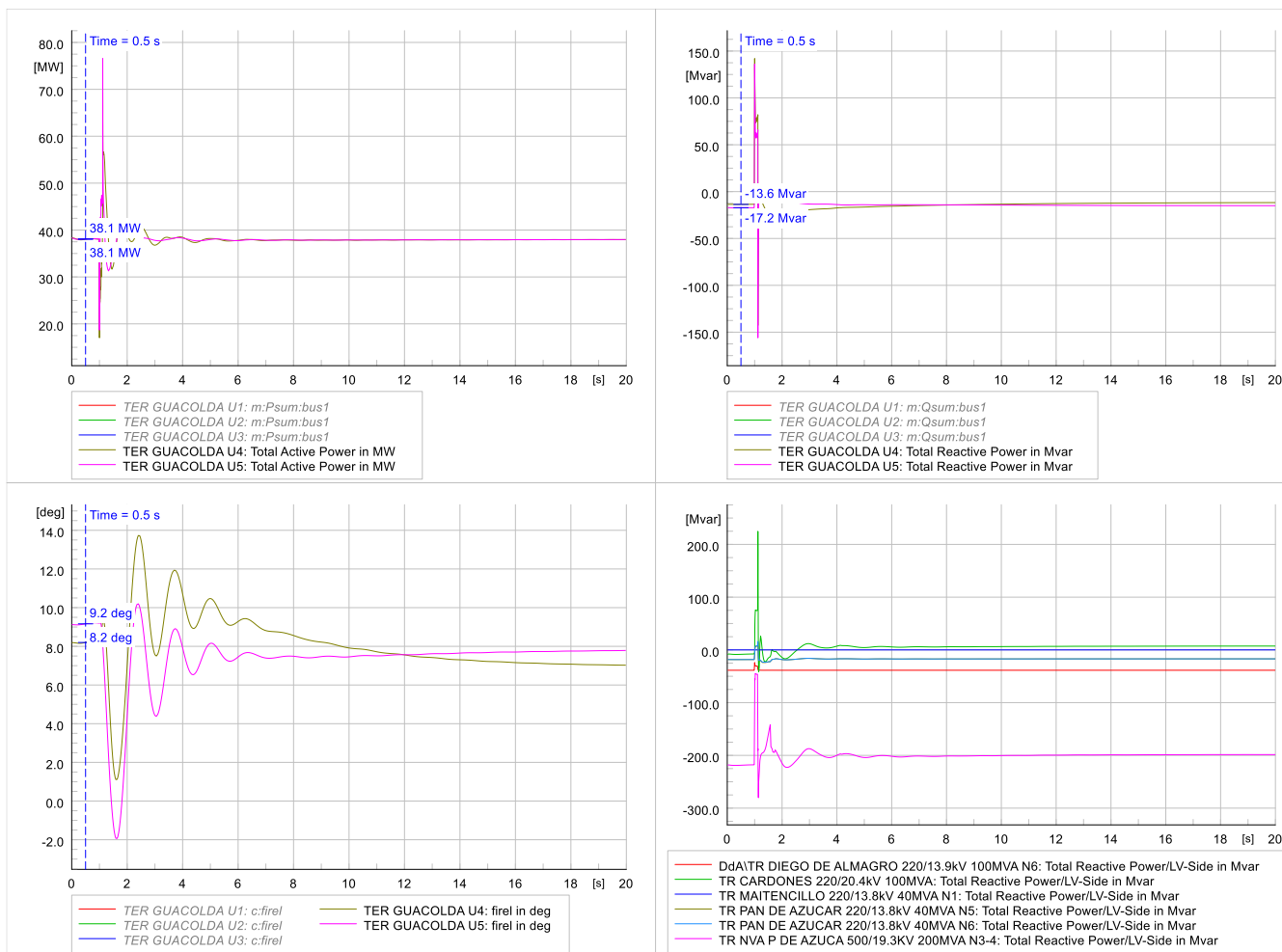


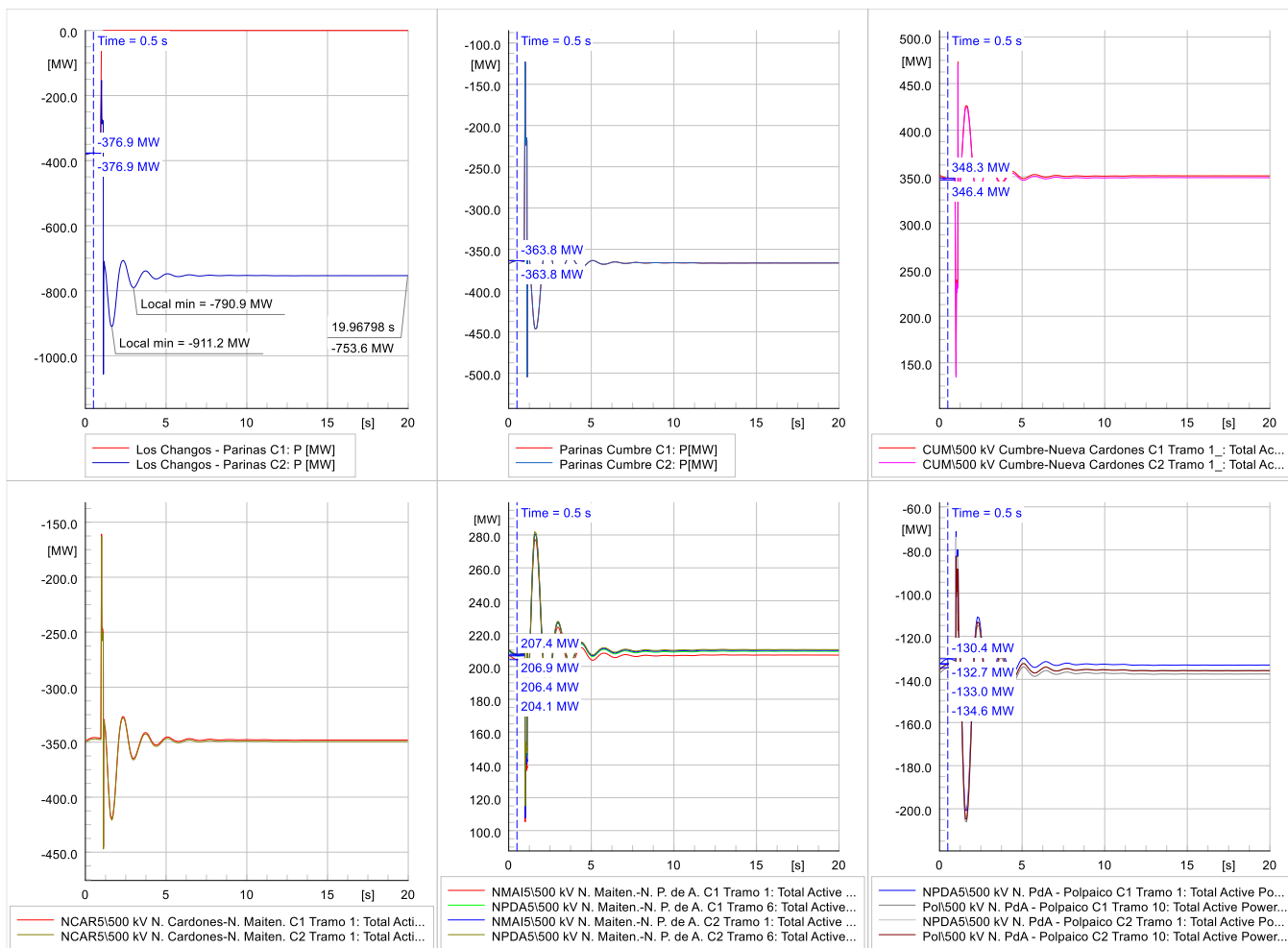


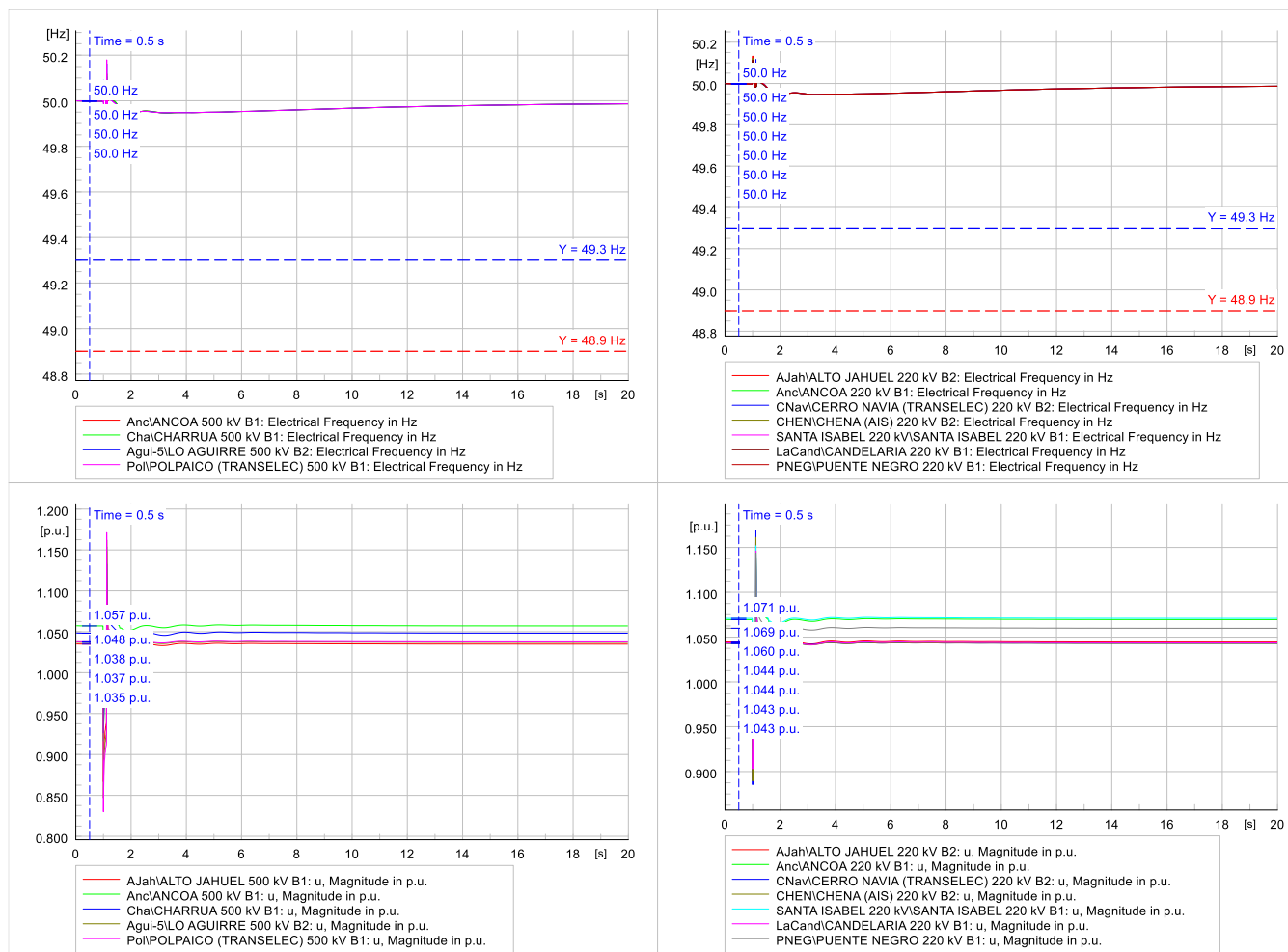


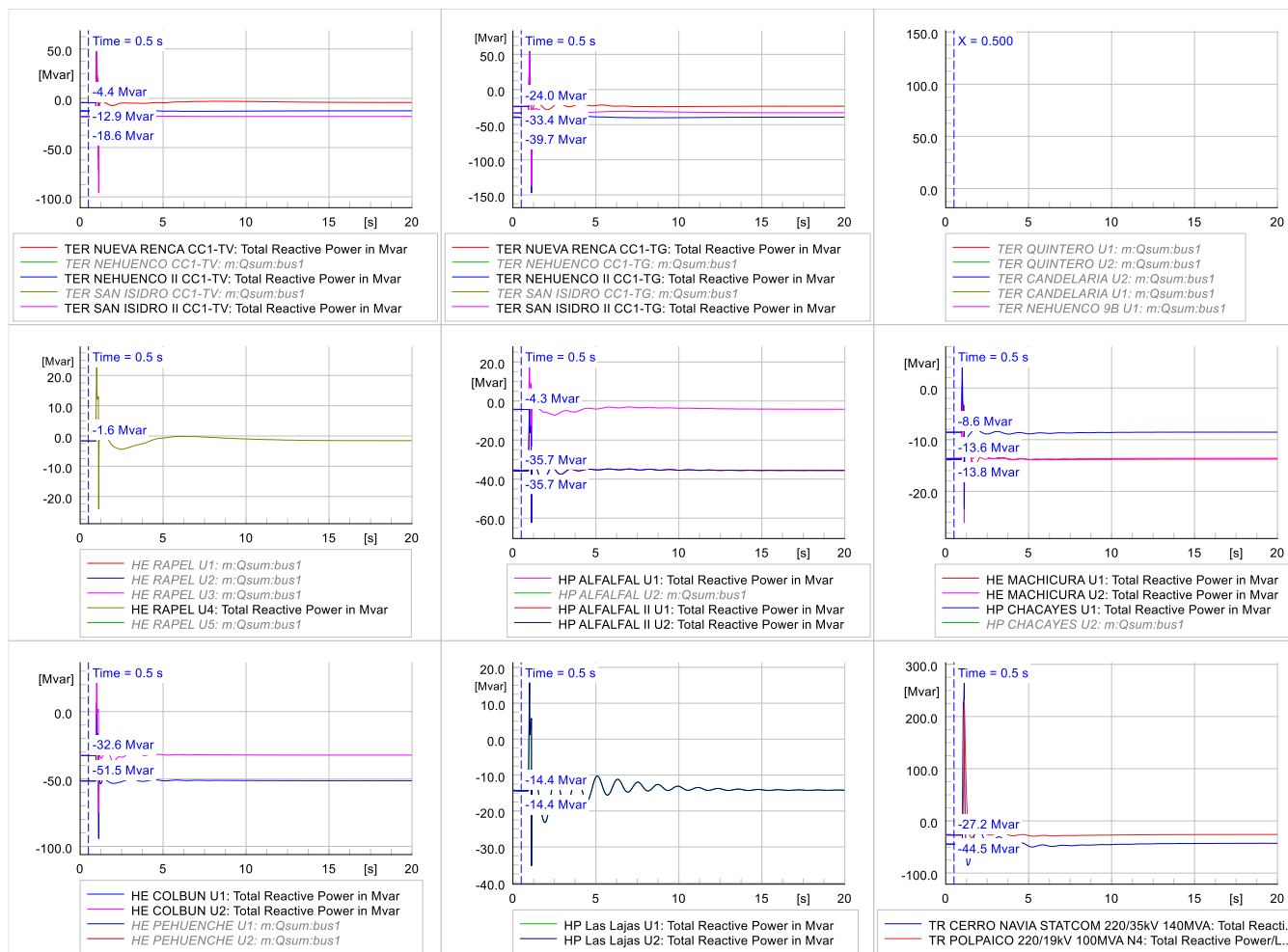


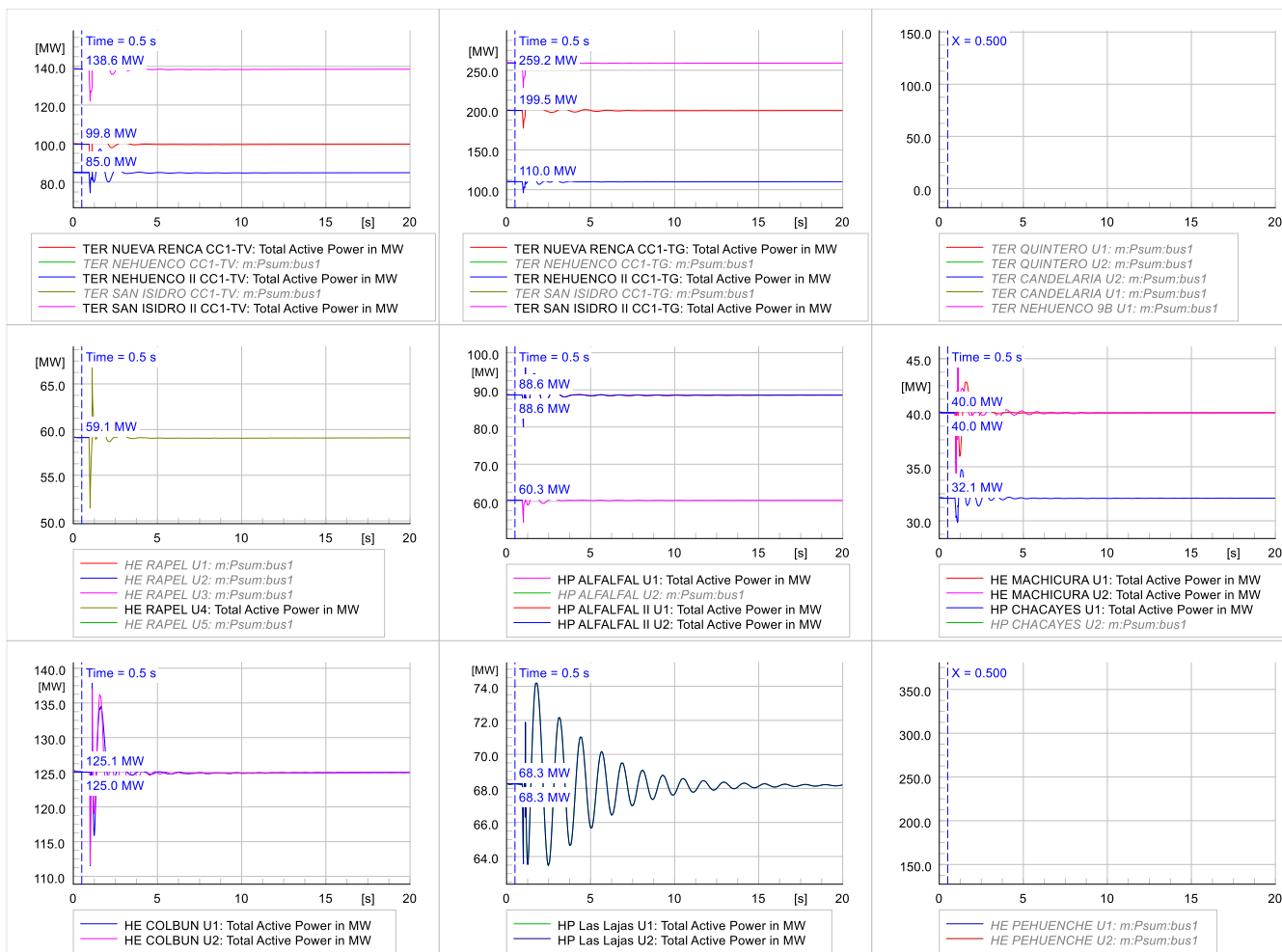


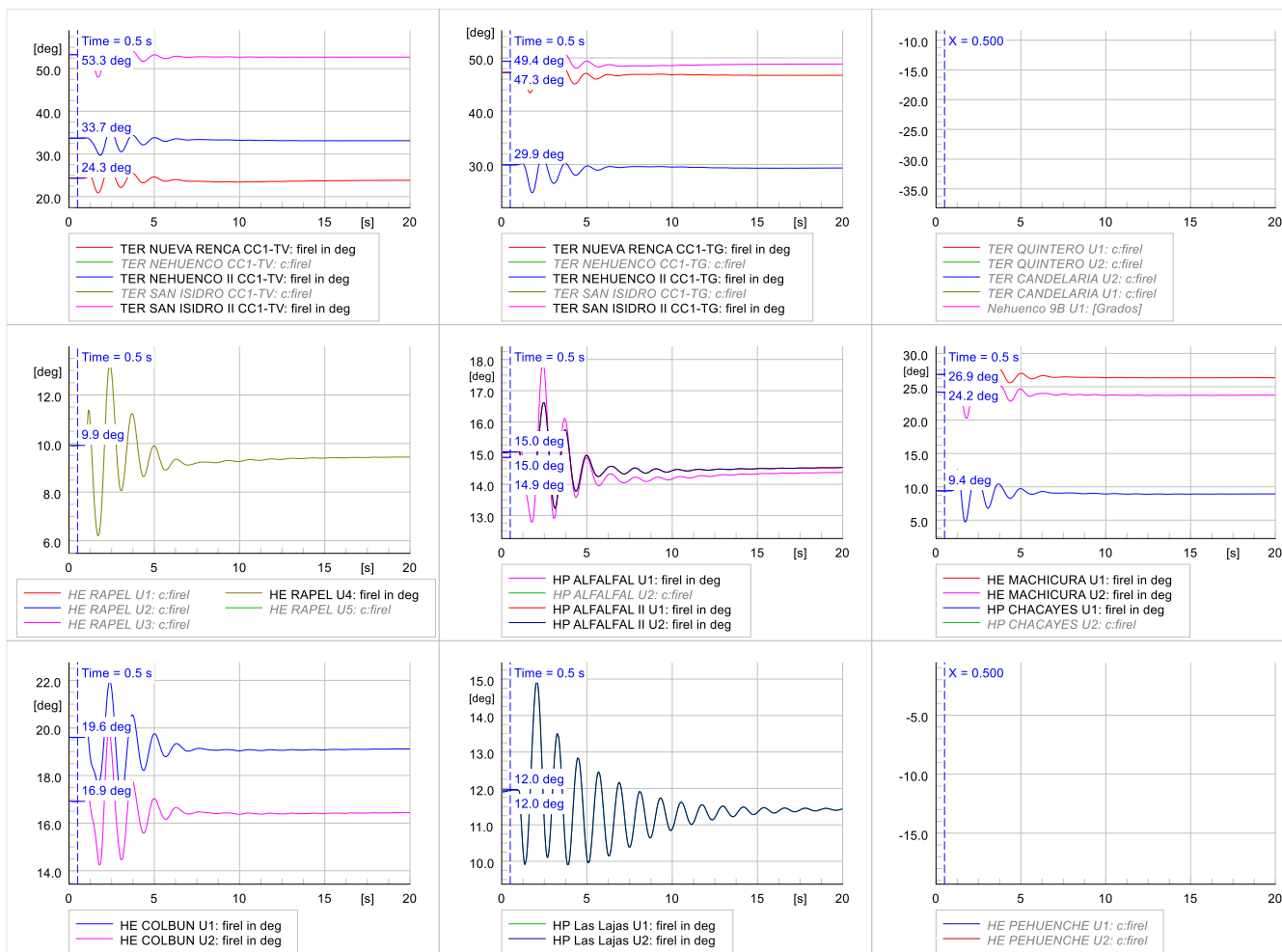


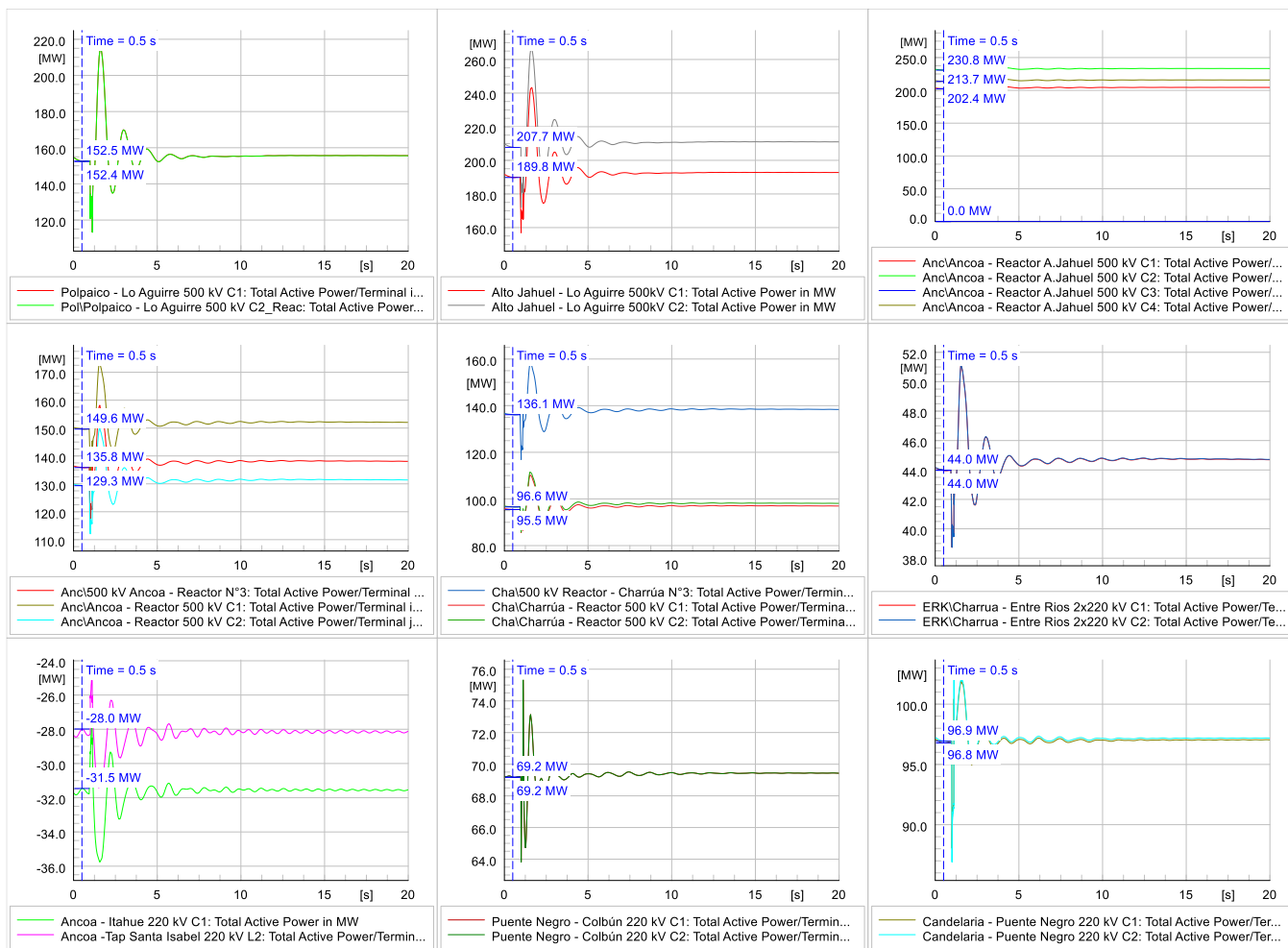


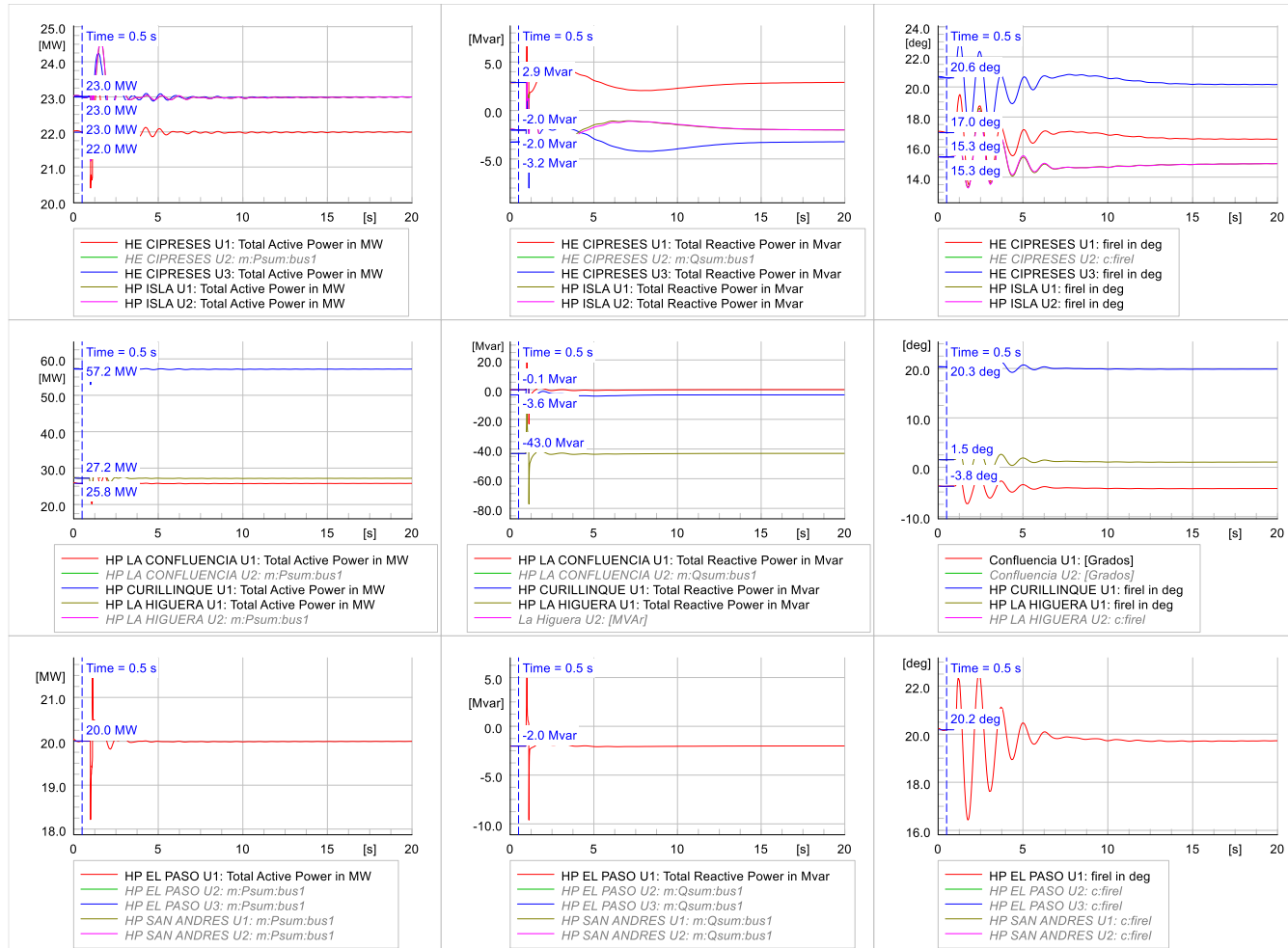


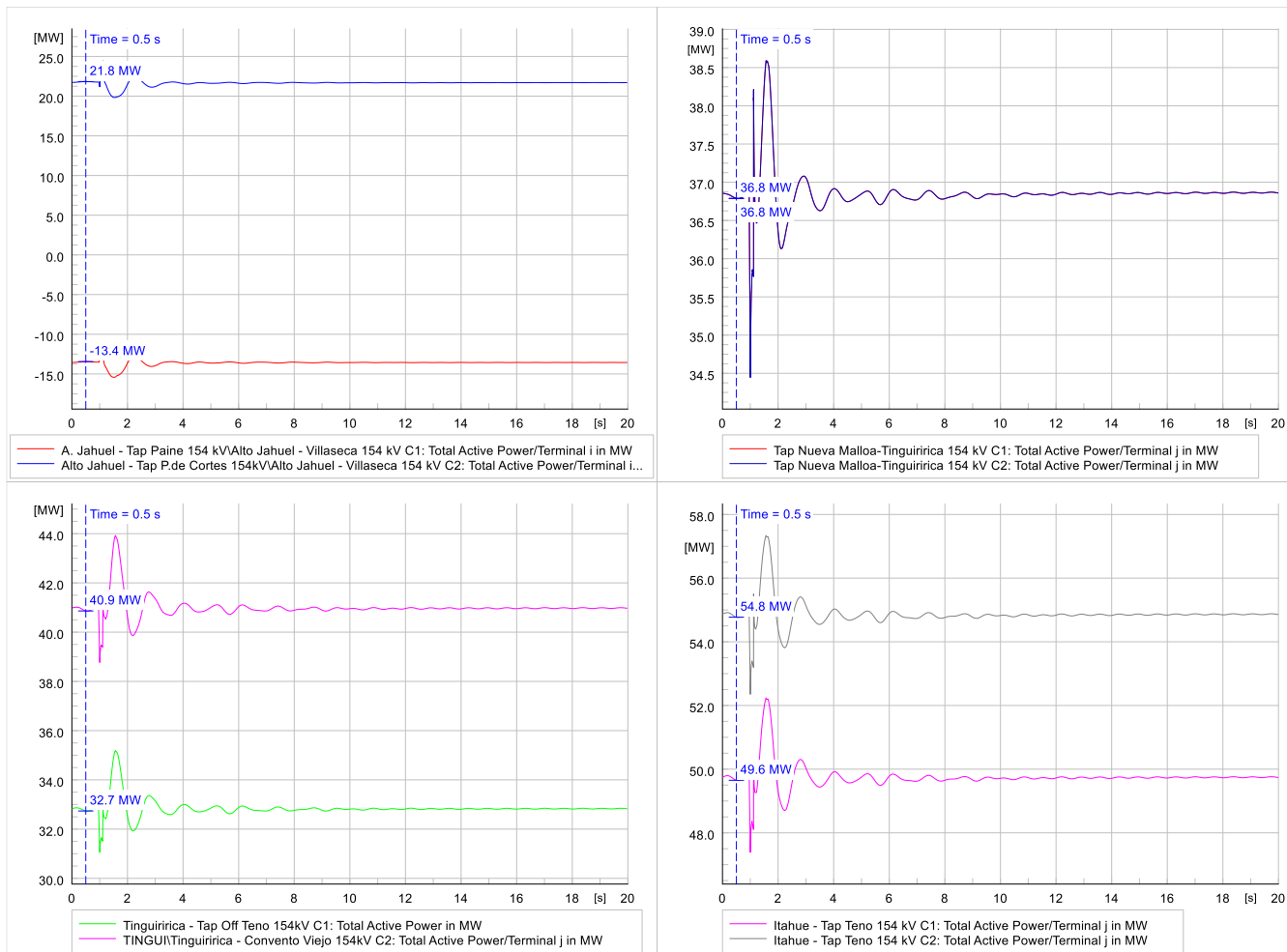


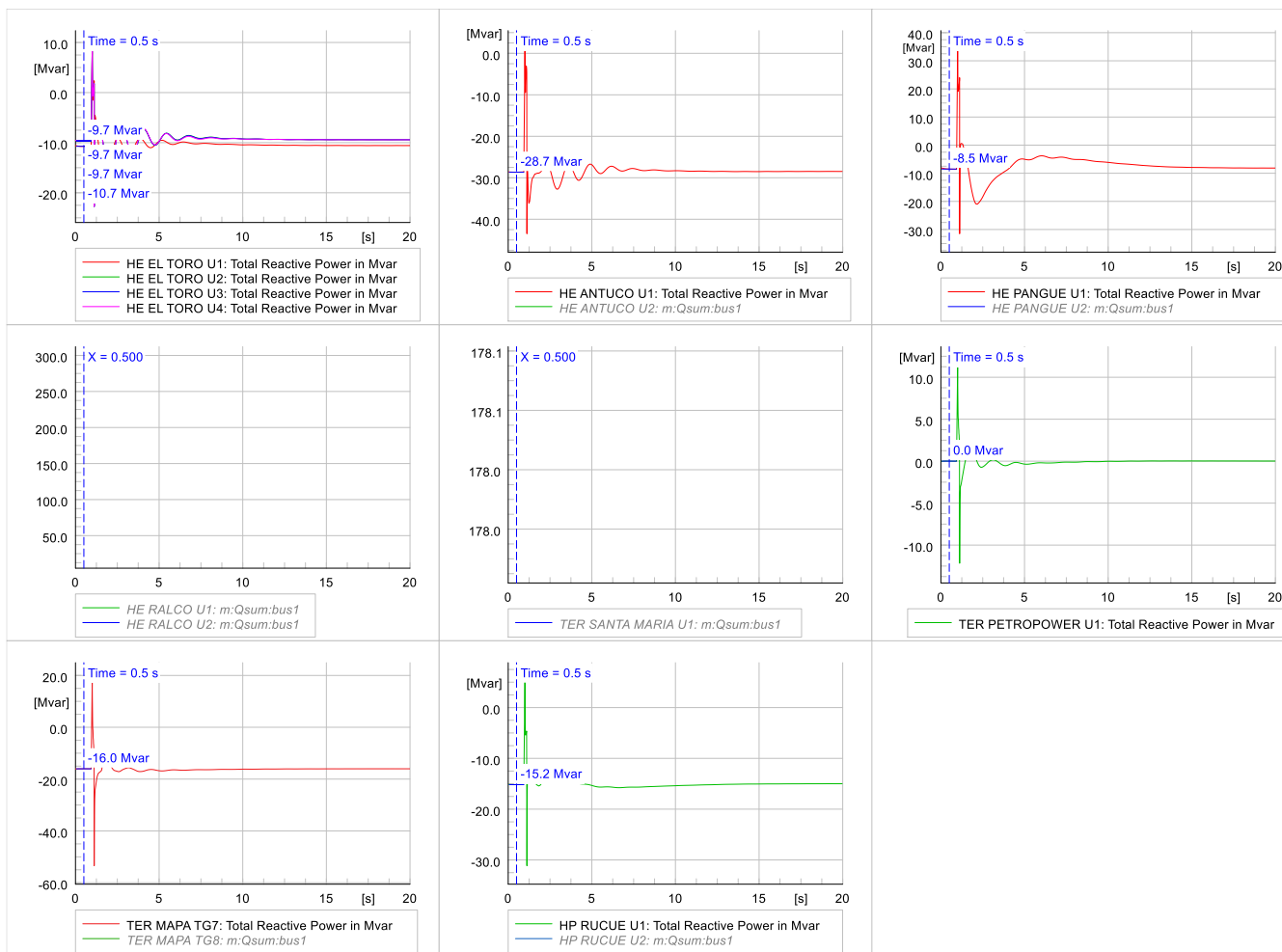


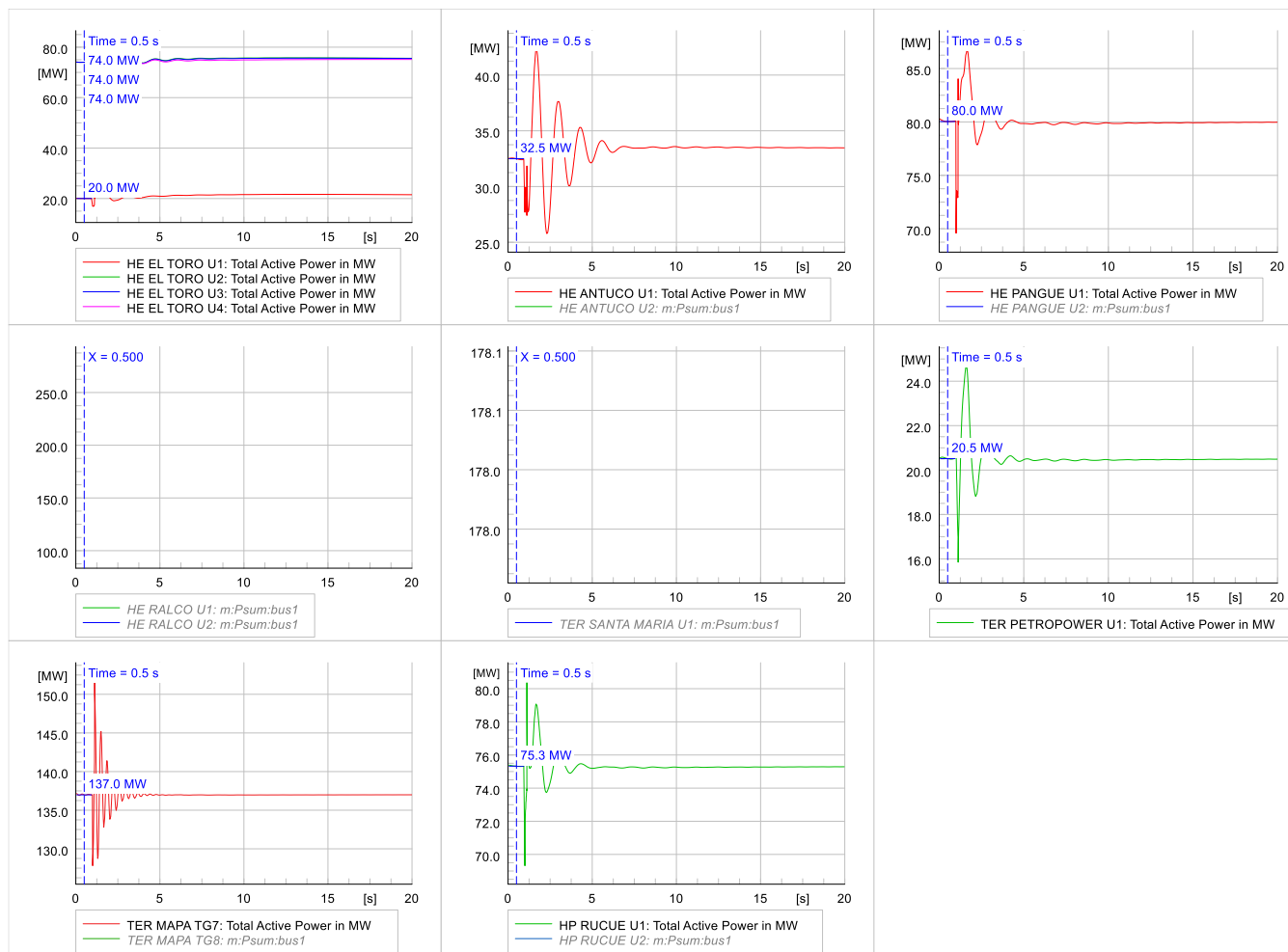


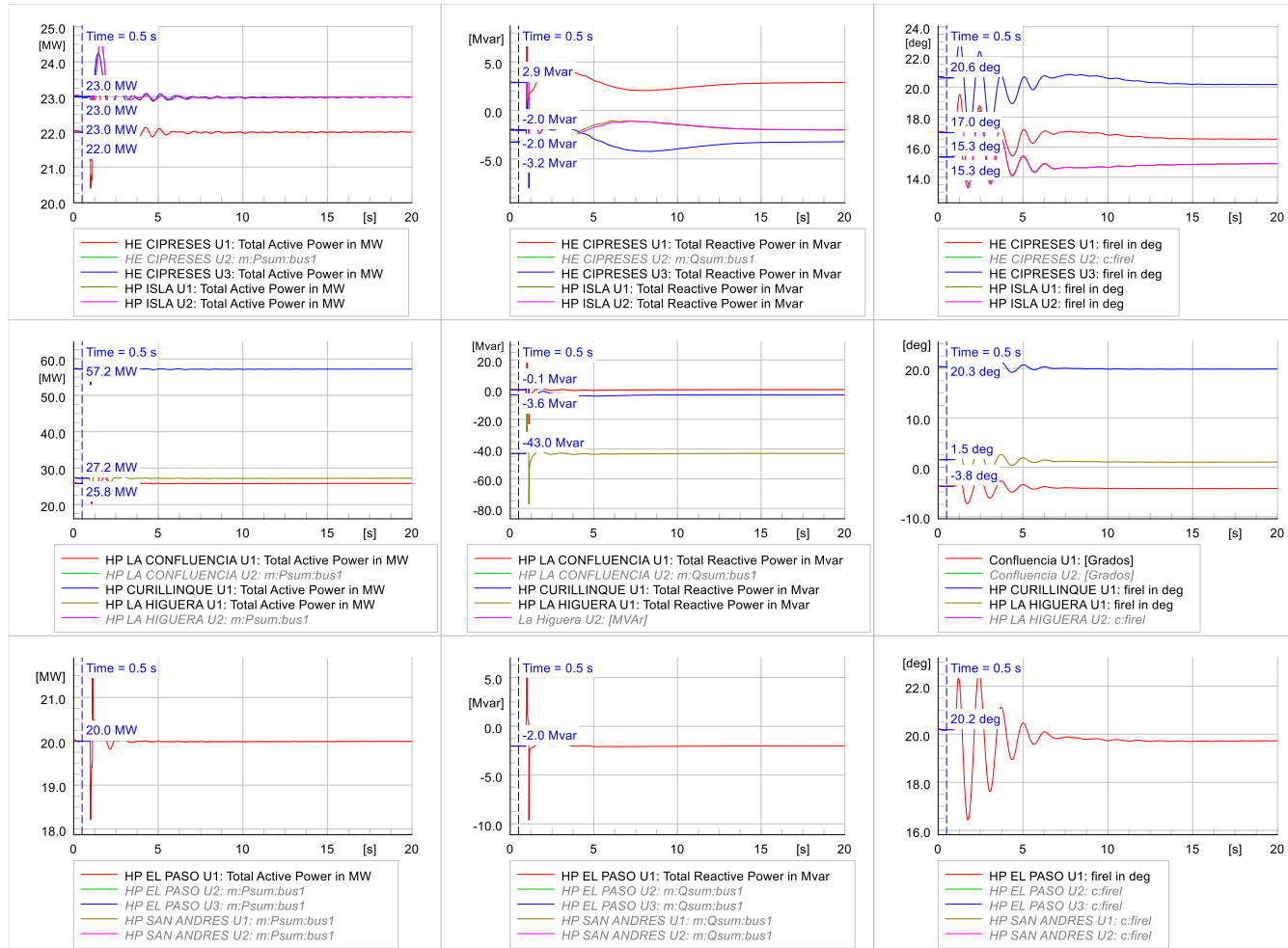


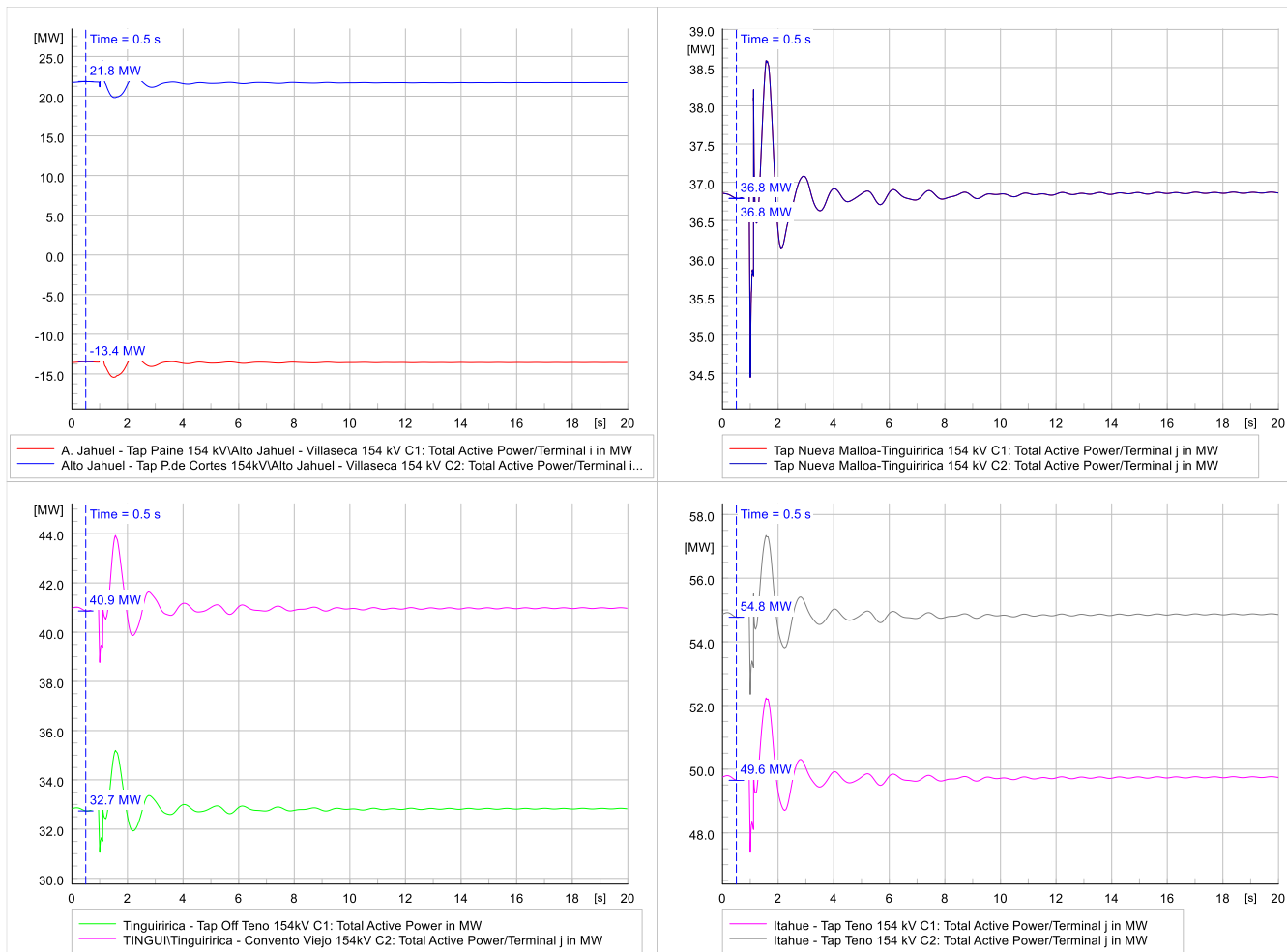


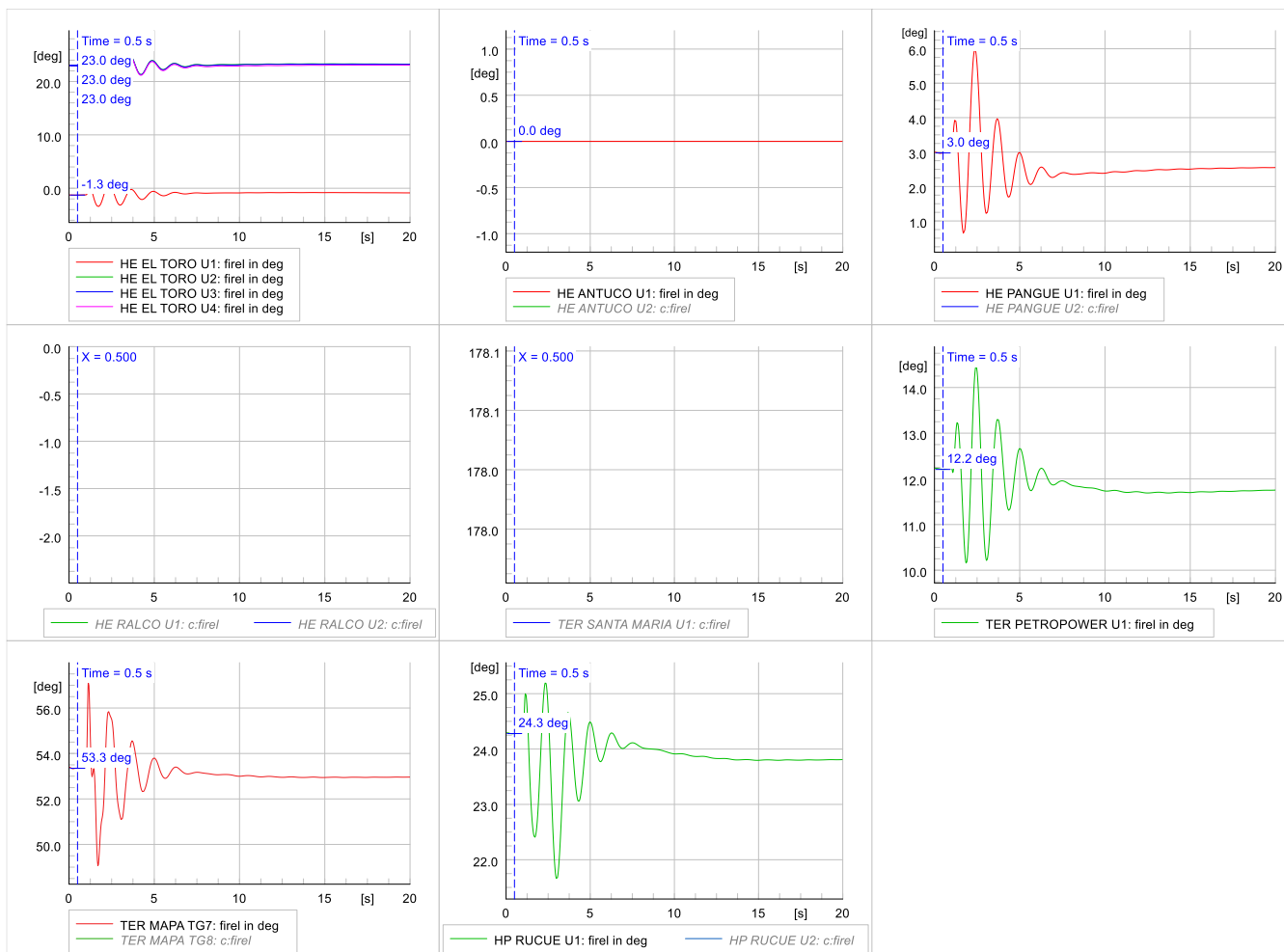


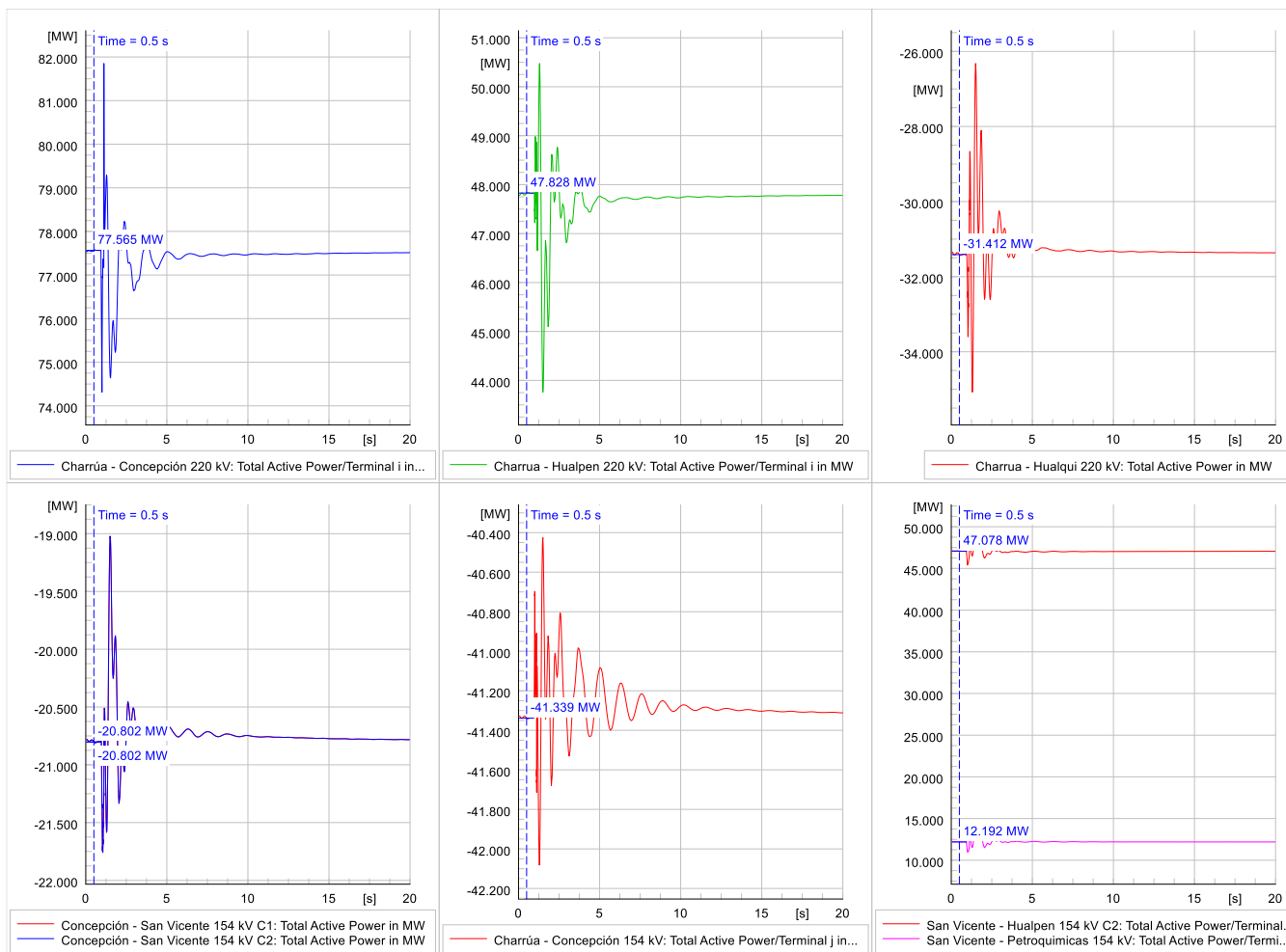


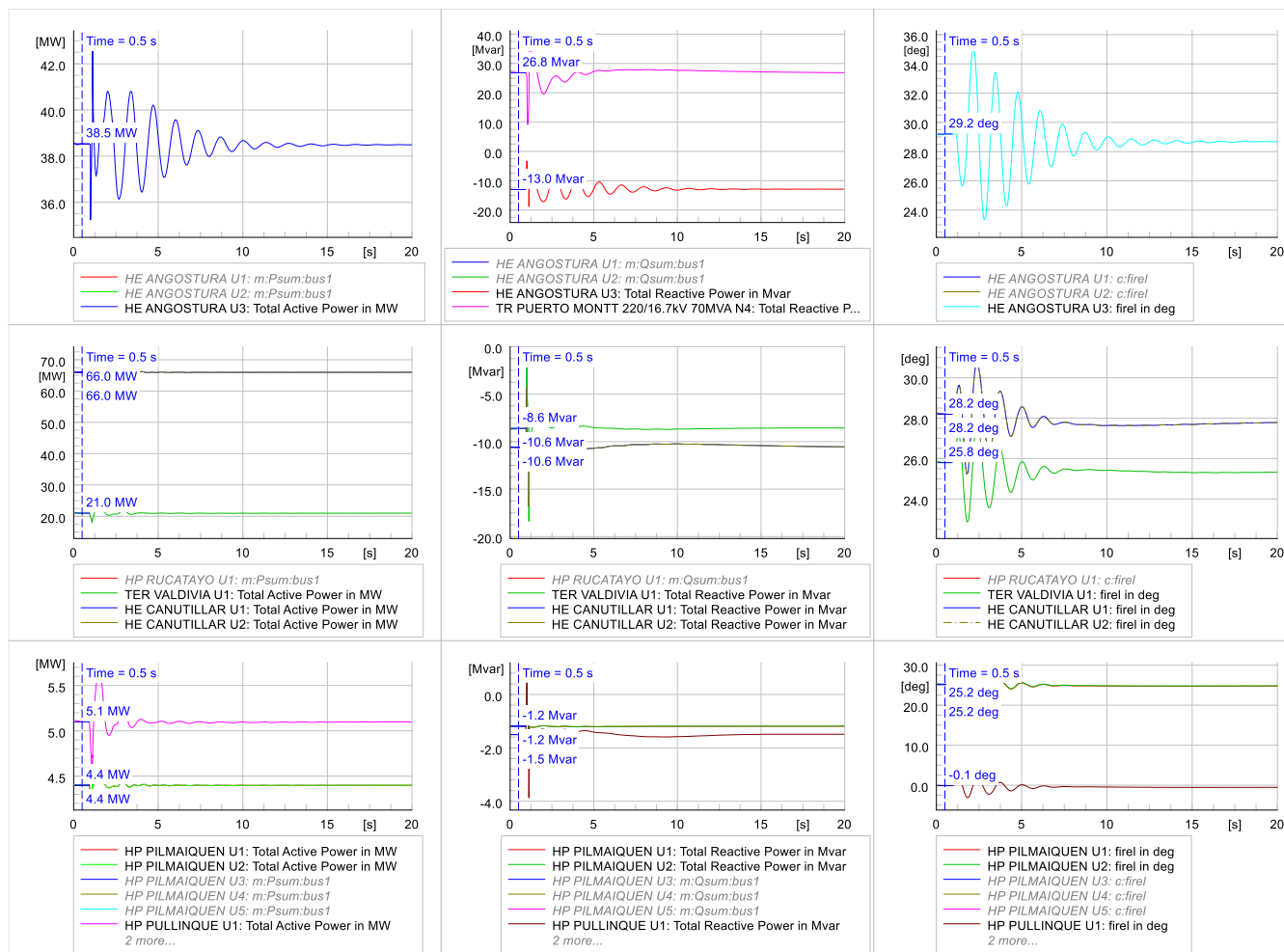


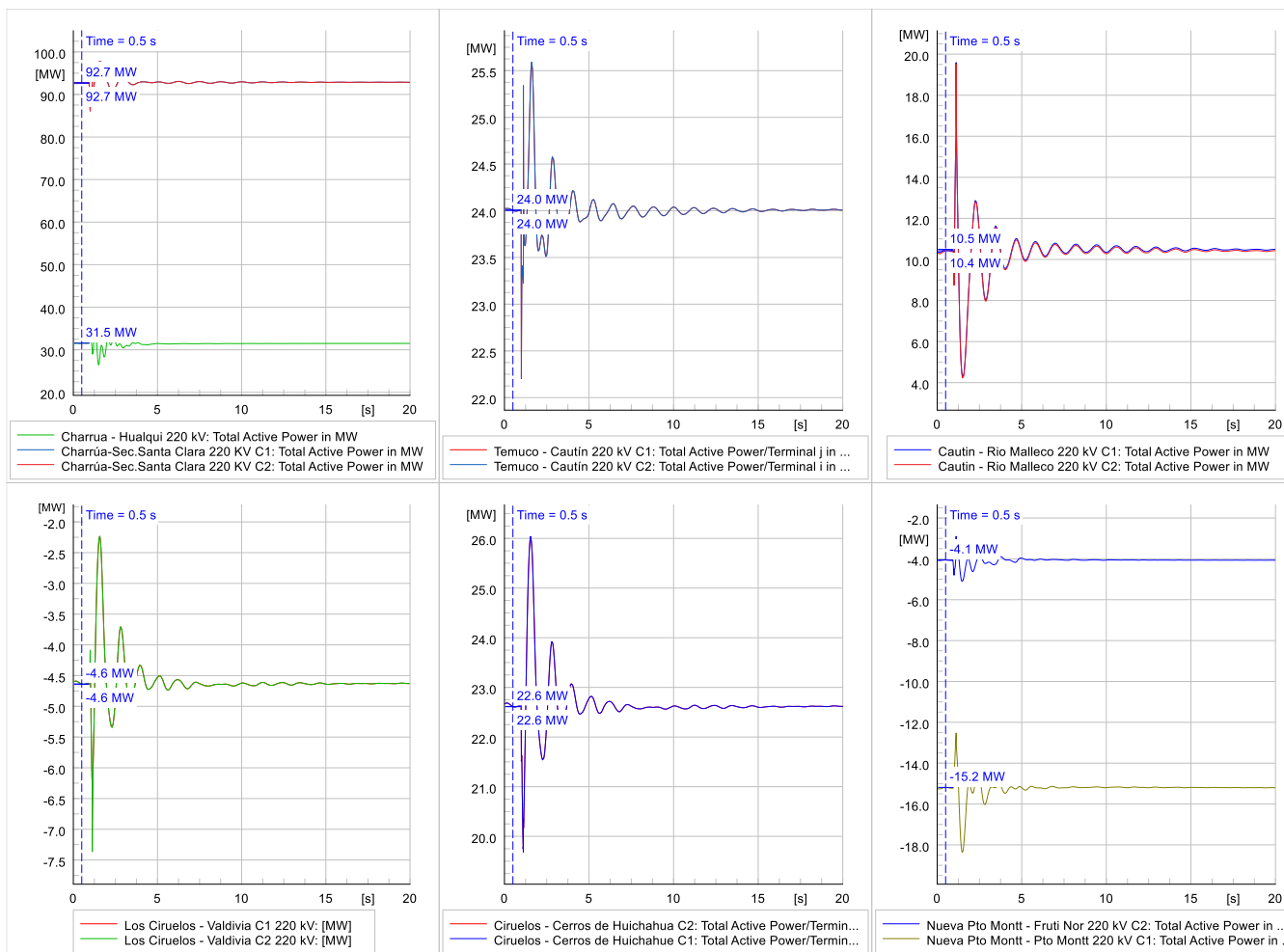




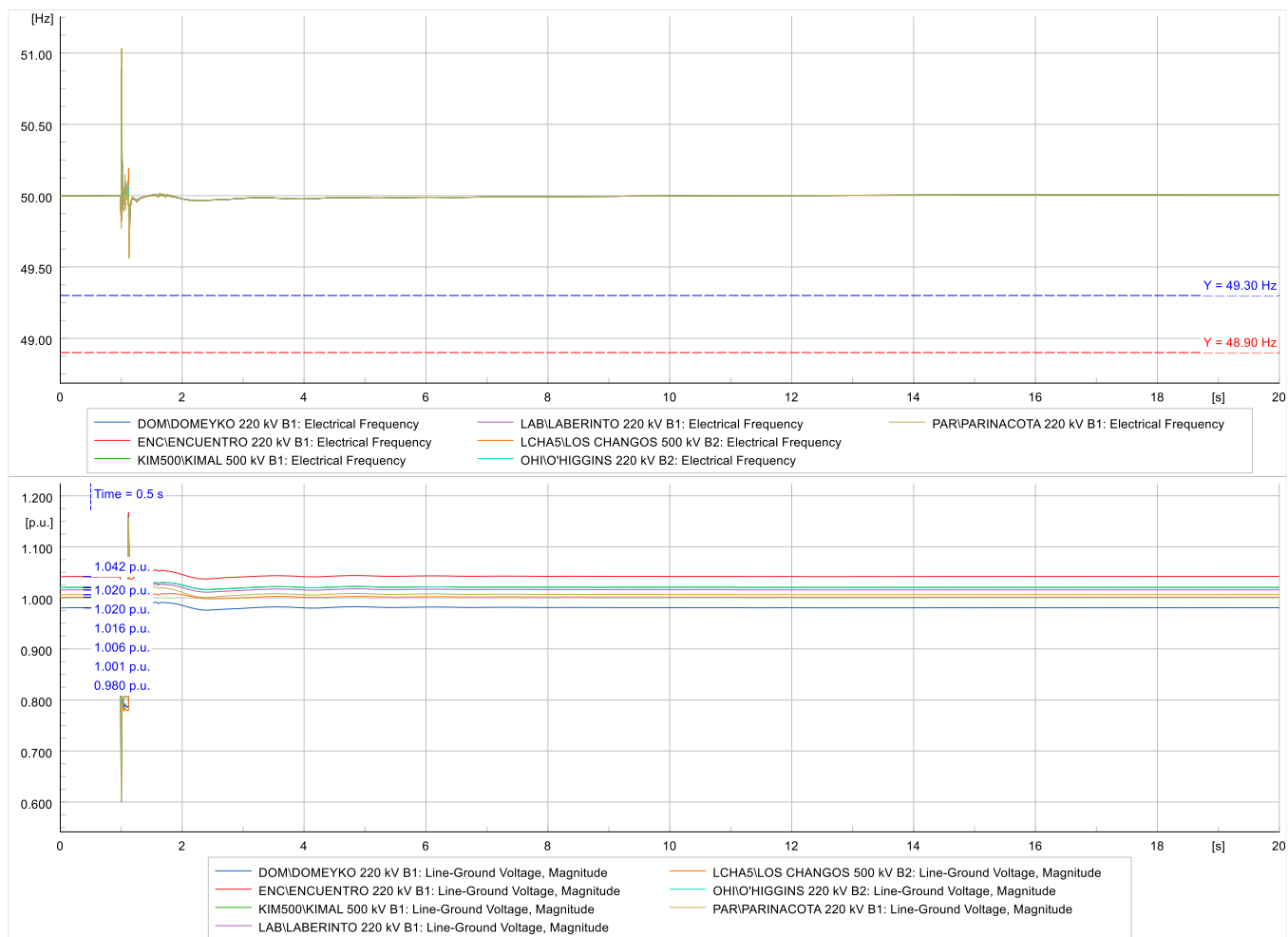


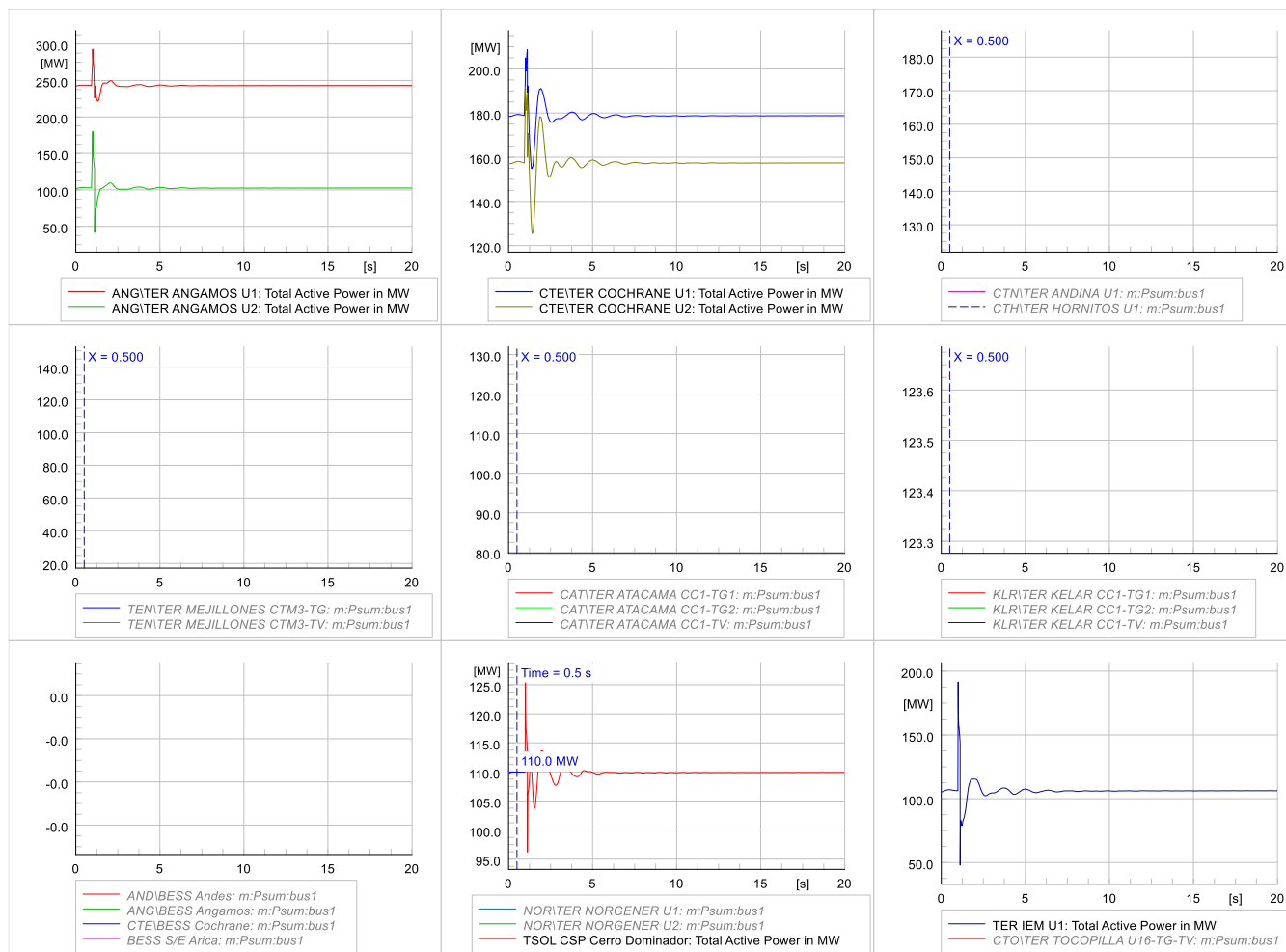


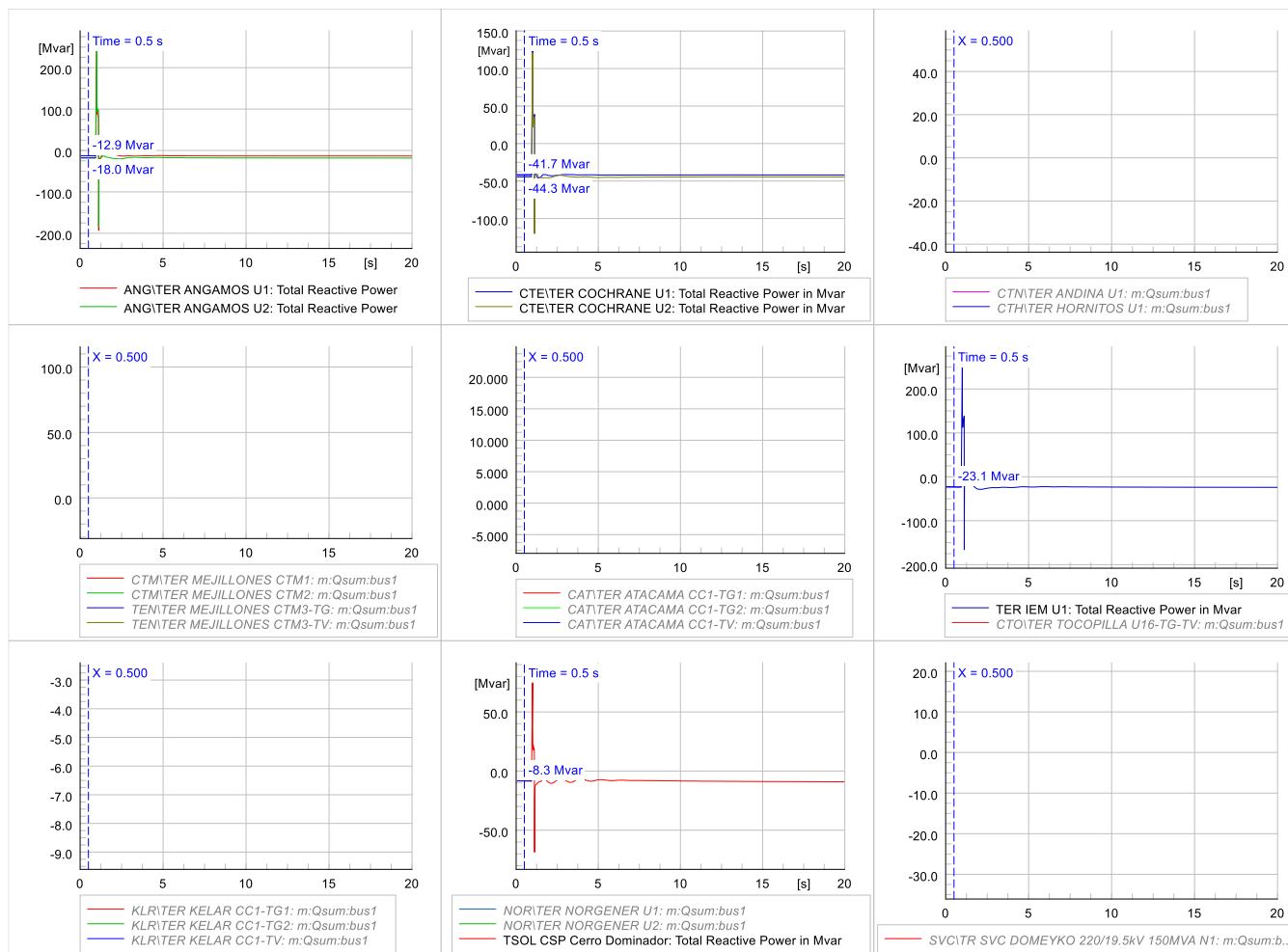


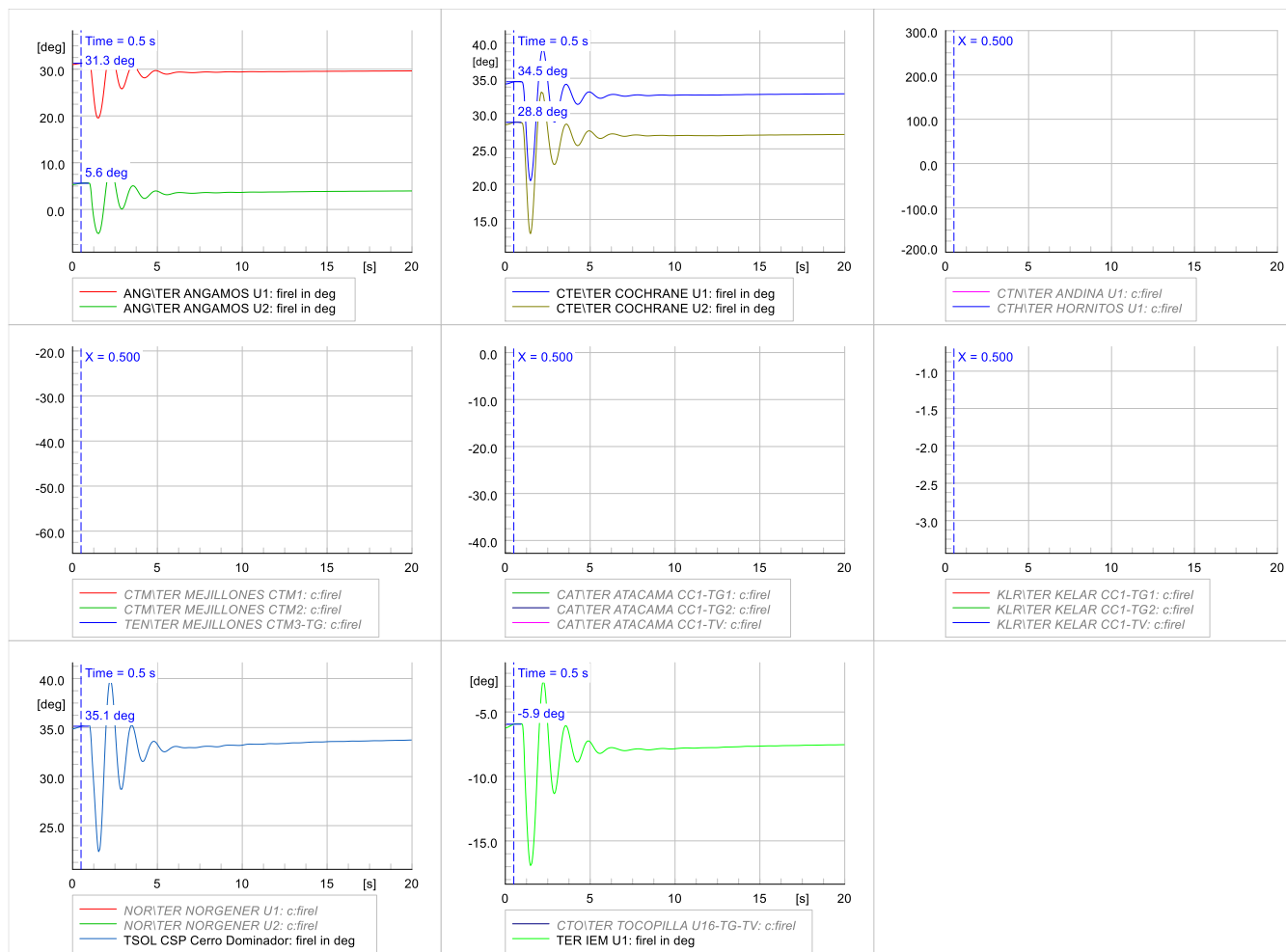


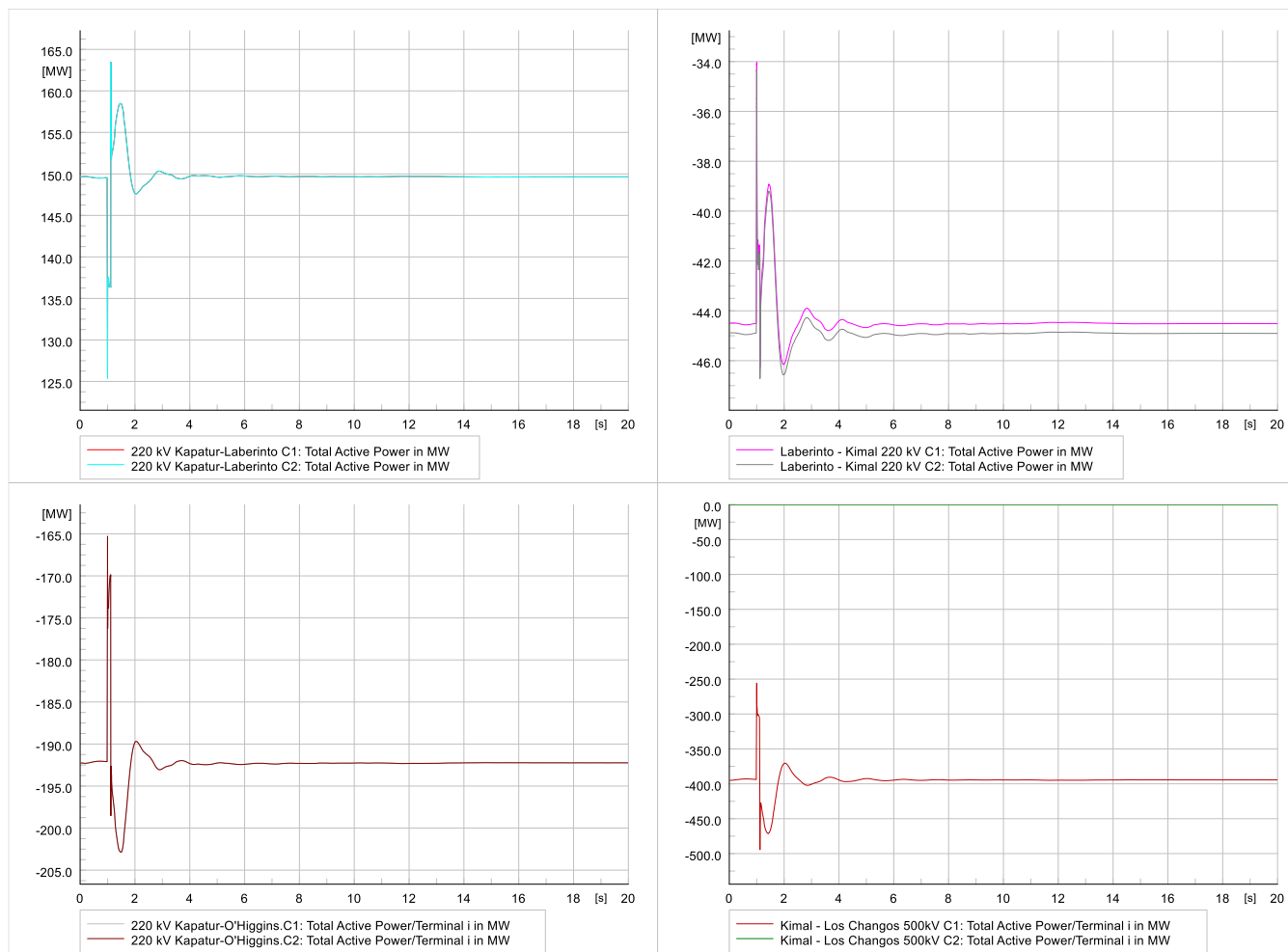
17.8 E3 2024_04_07 DB 19 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV

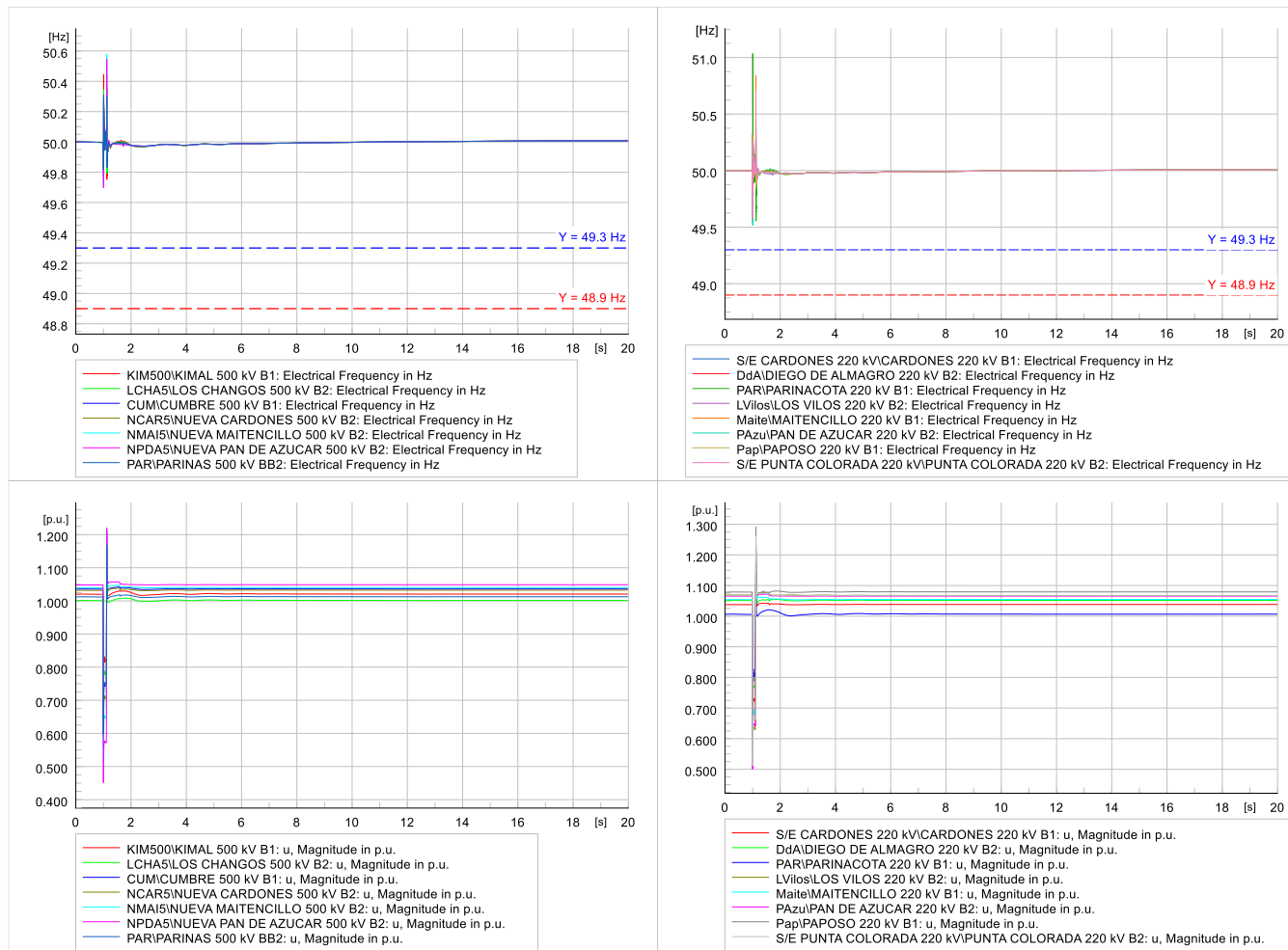


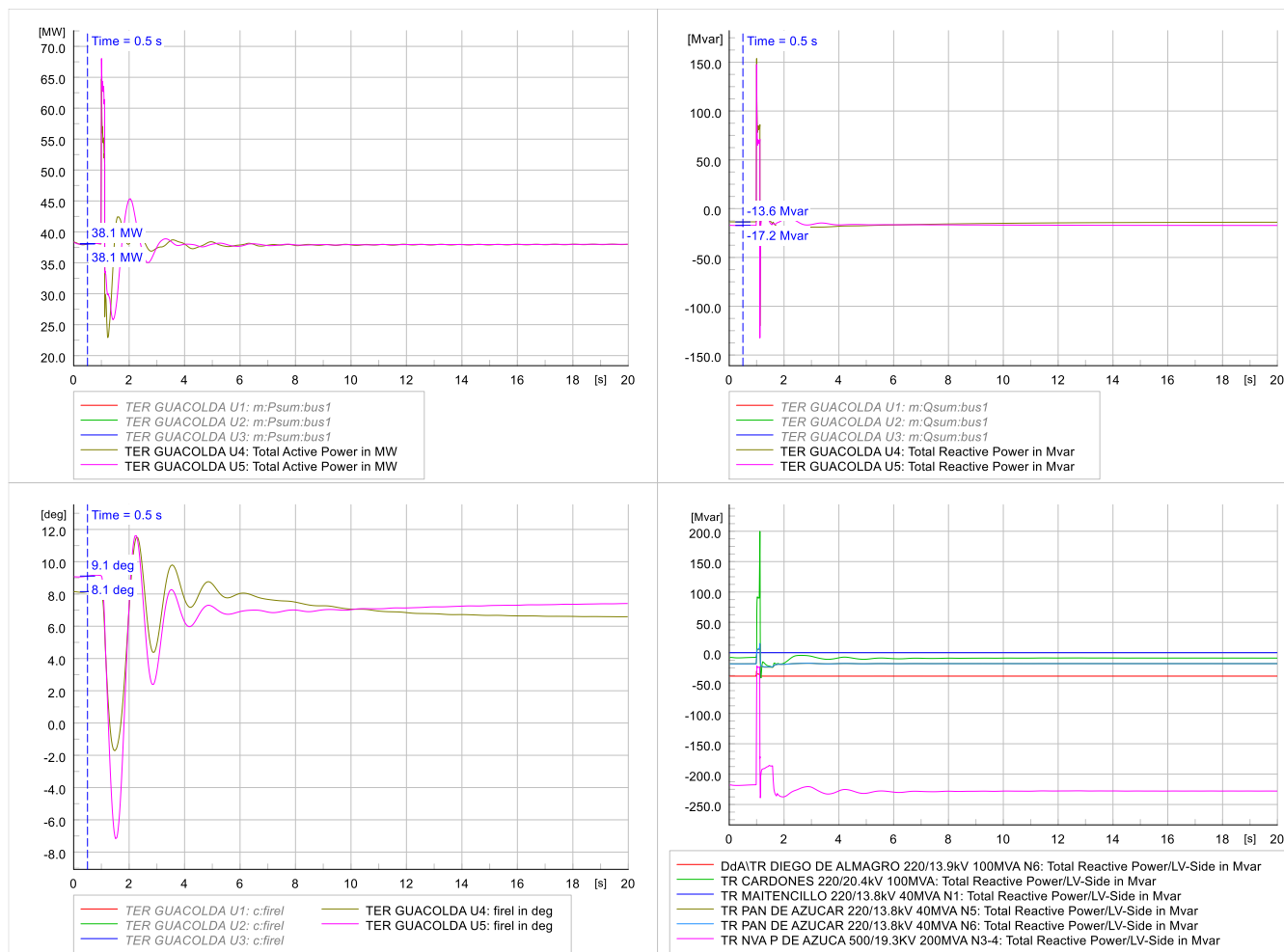


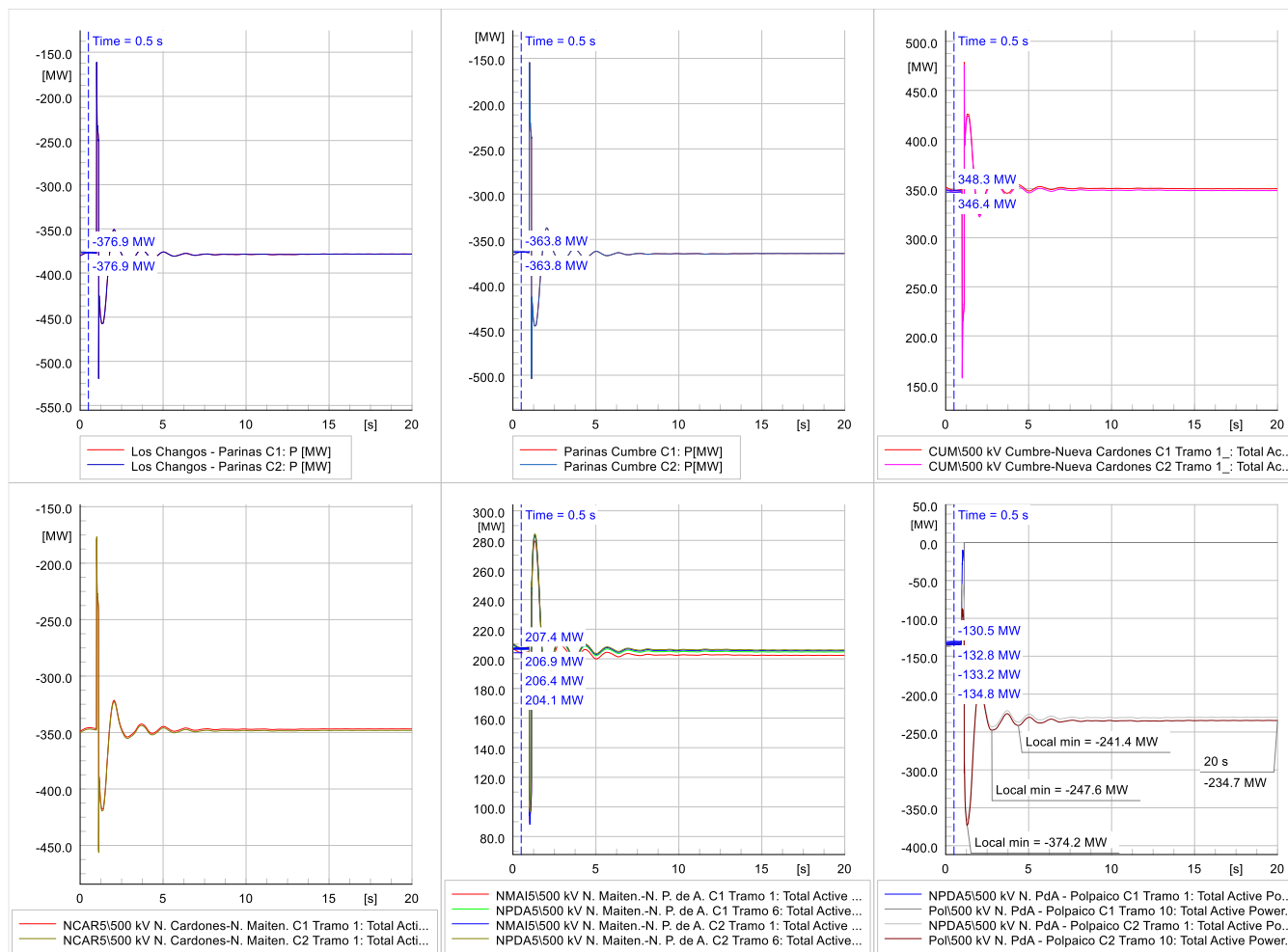


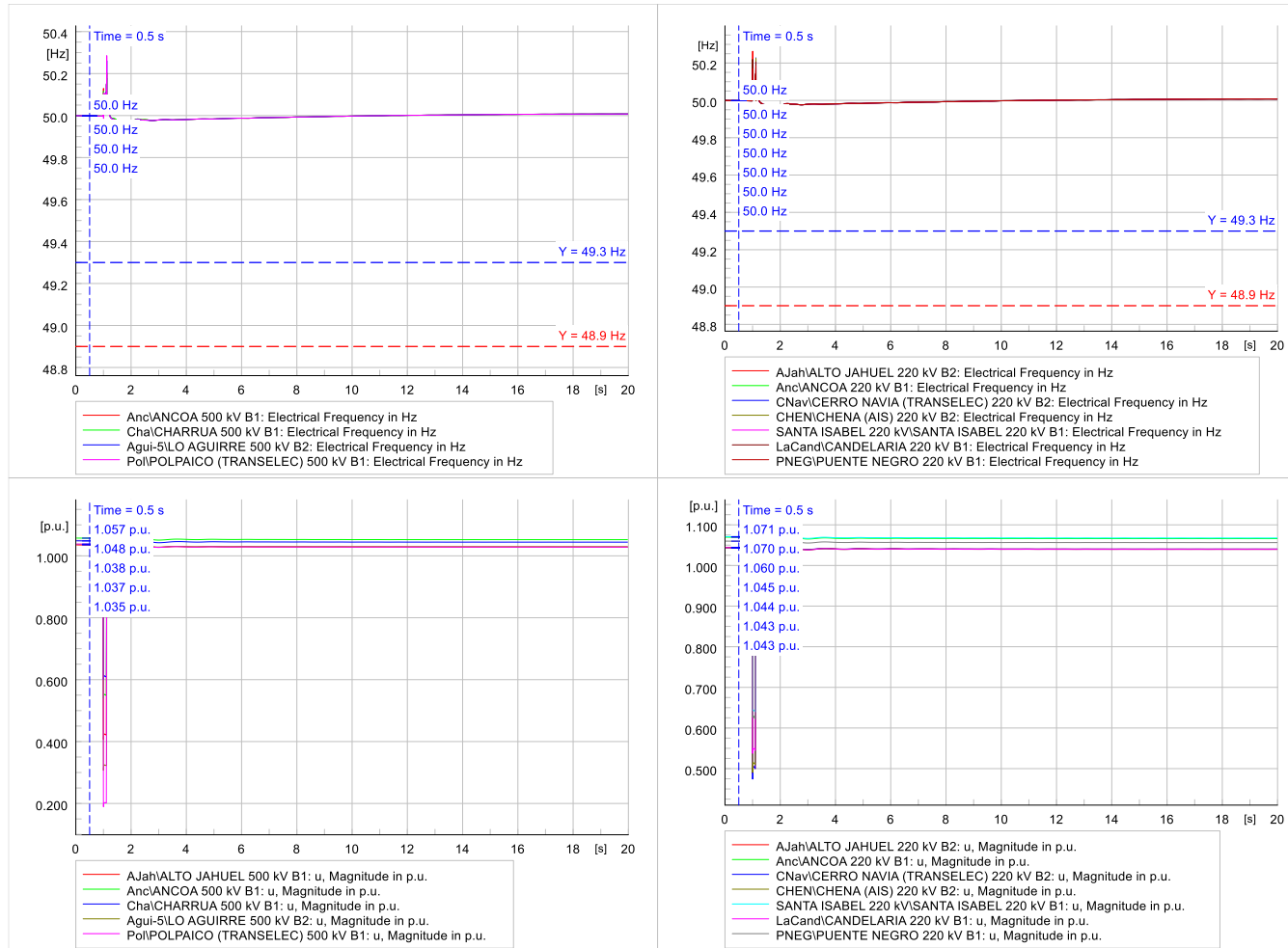


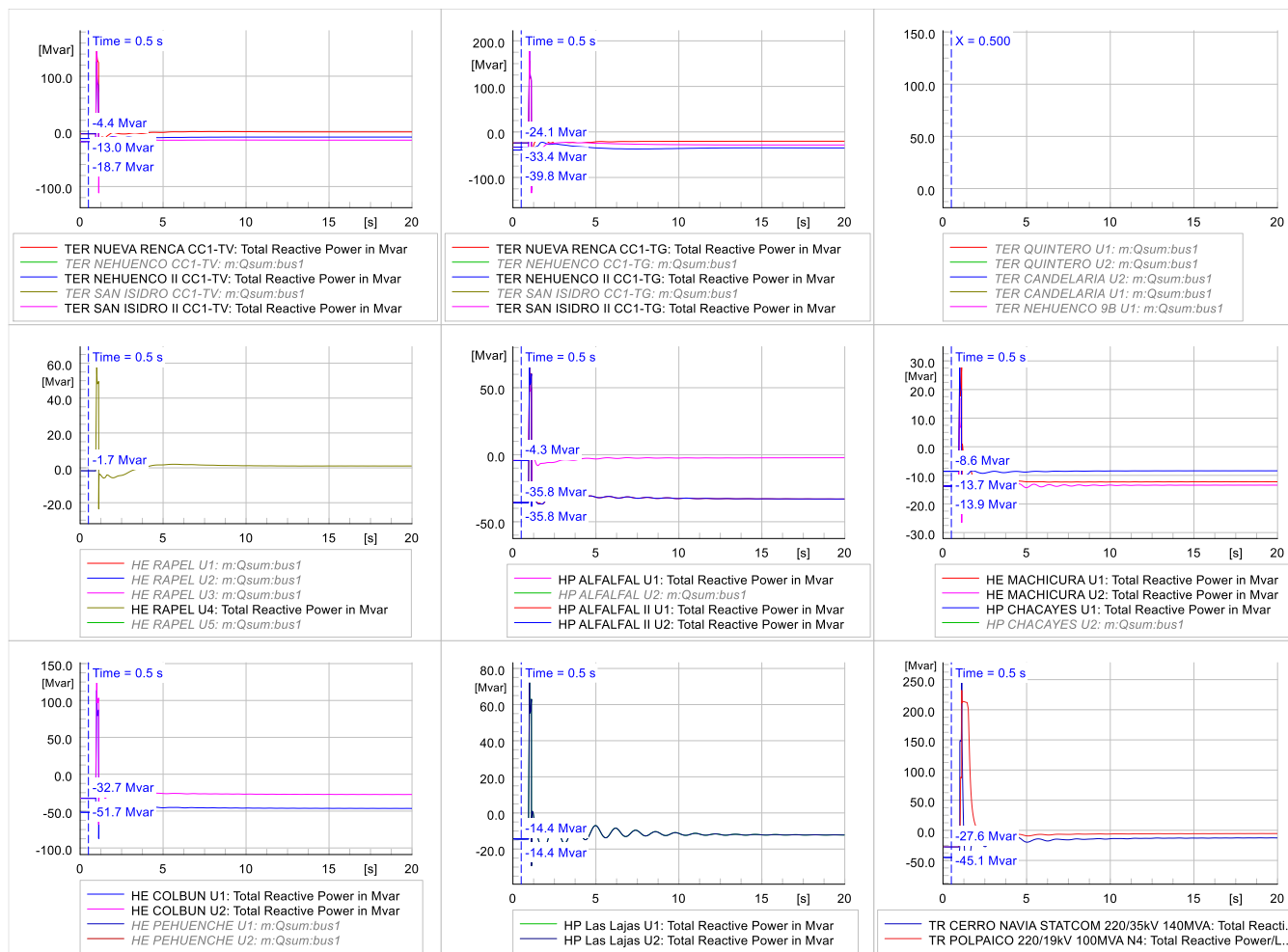


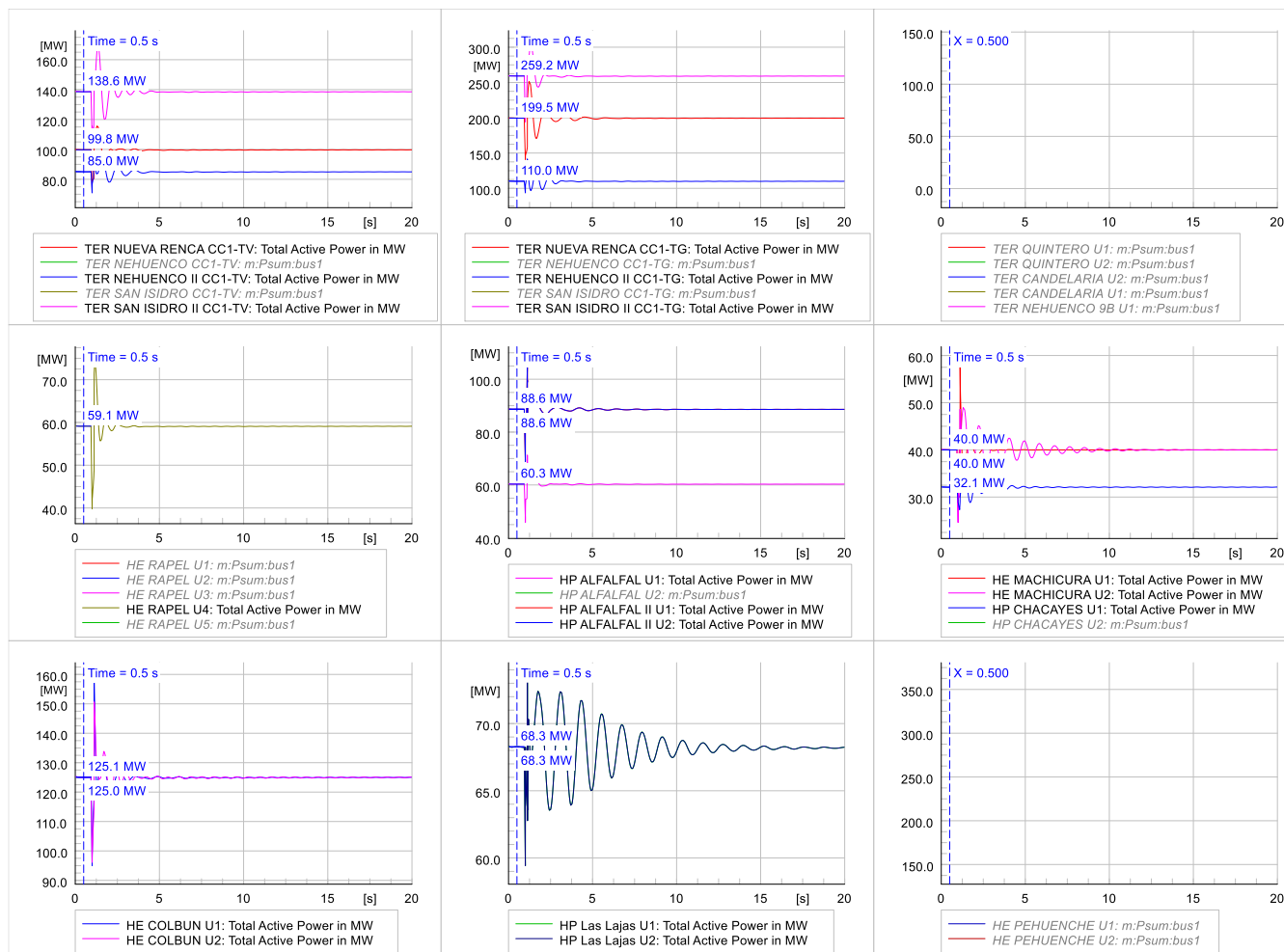


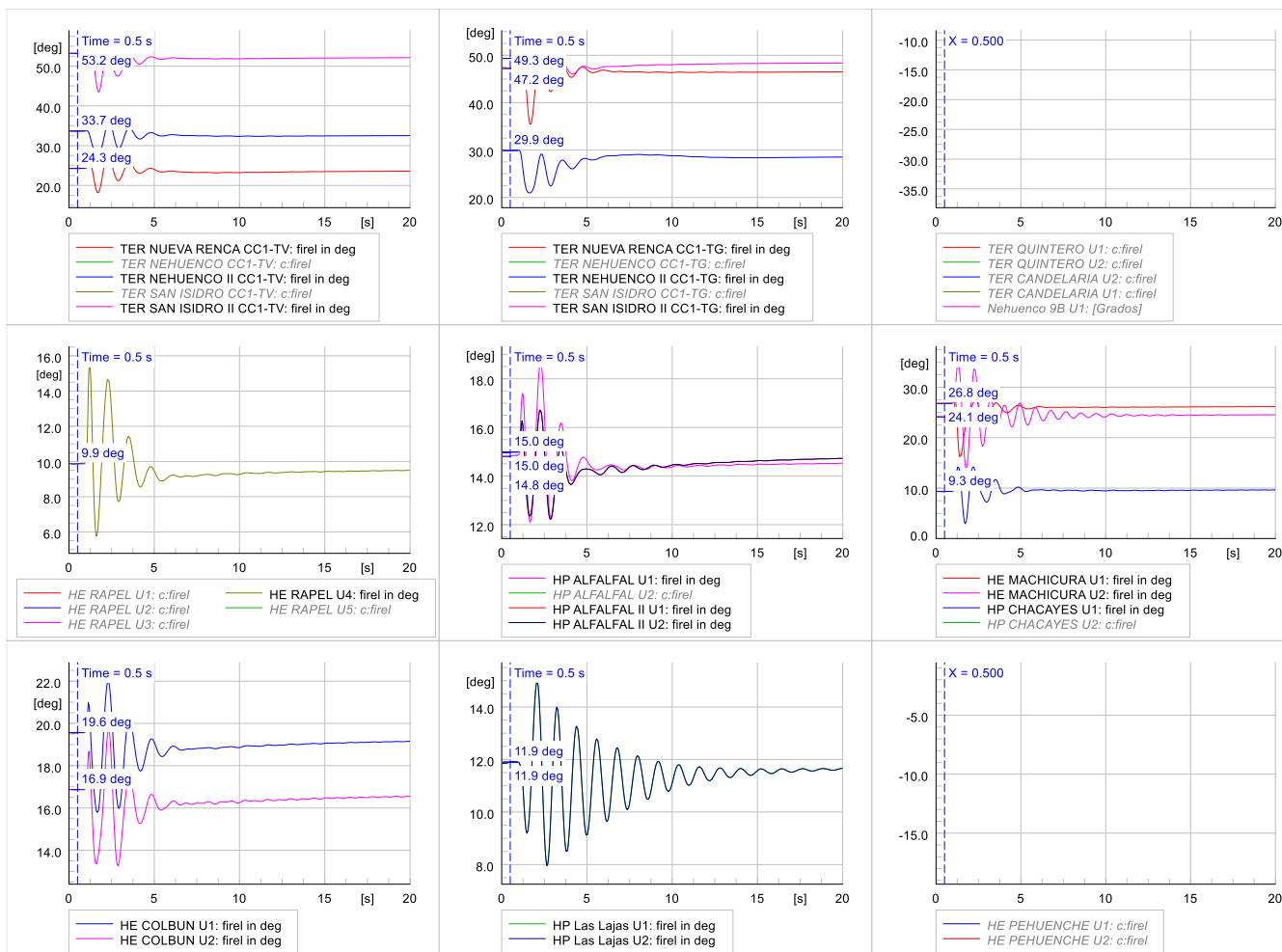


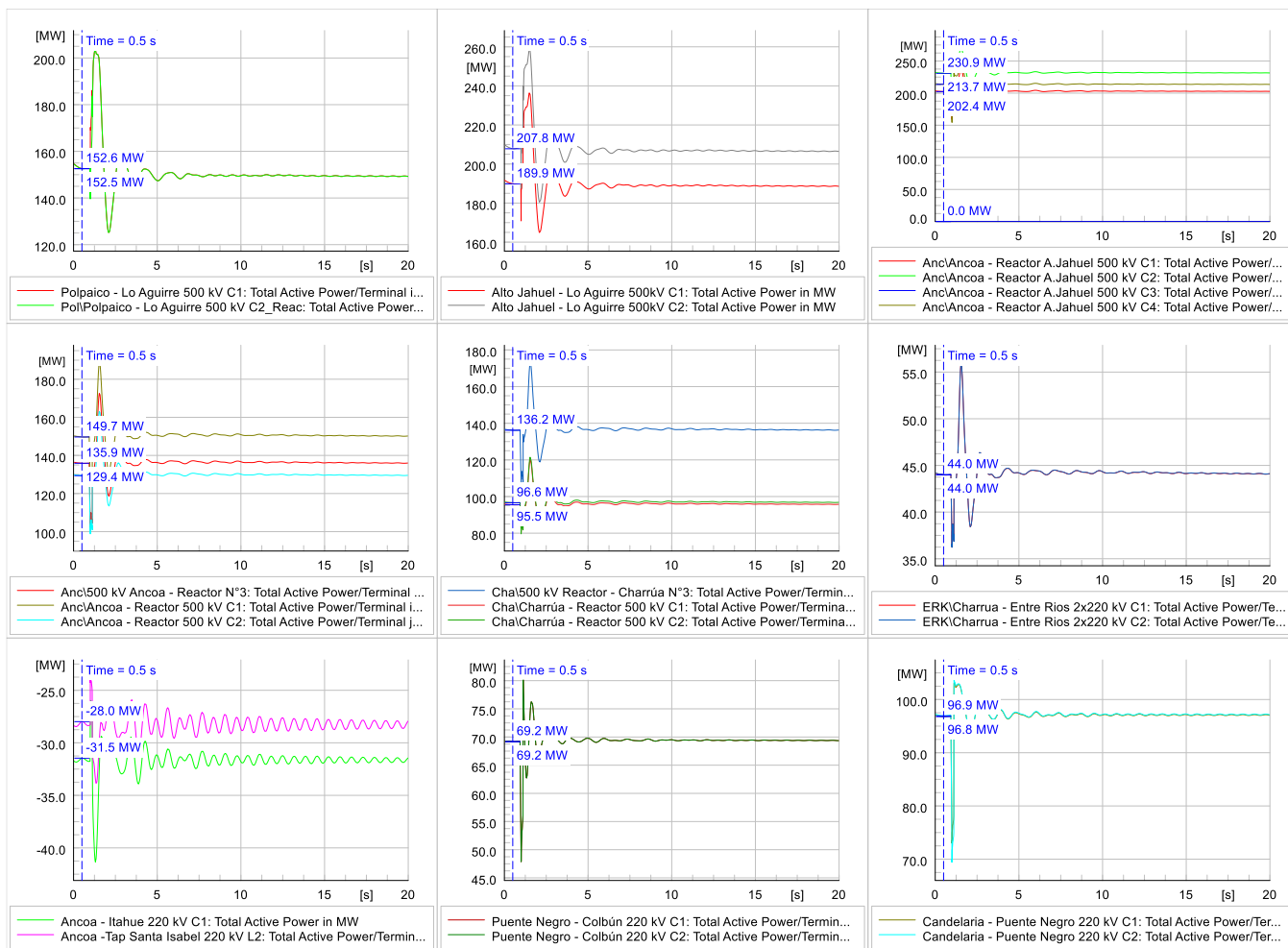


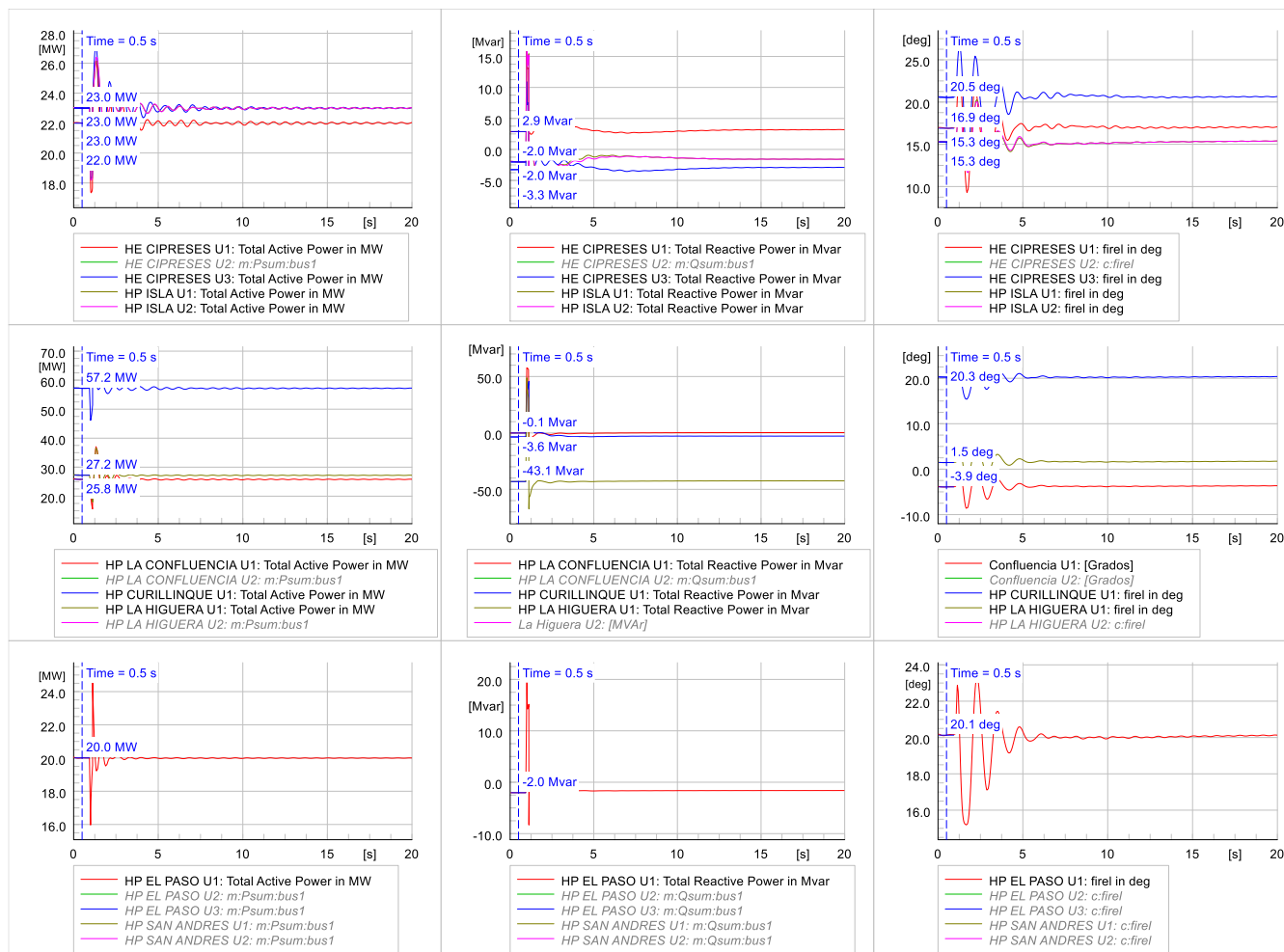


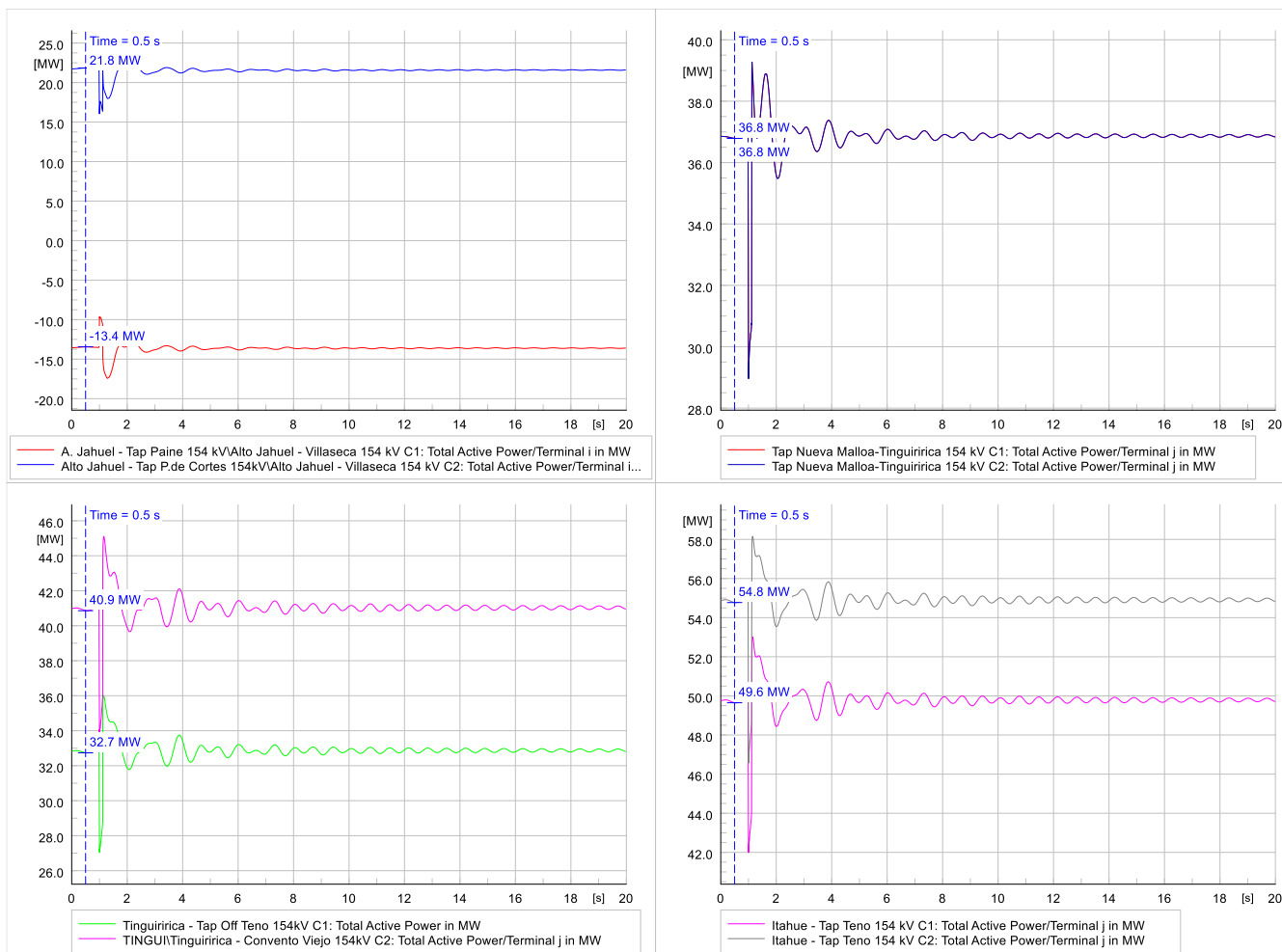


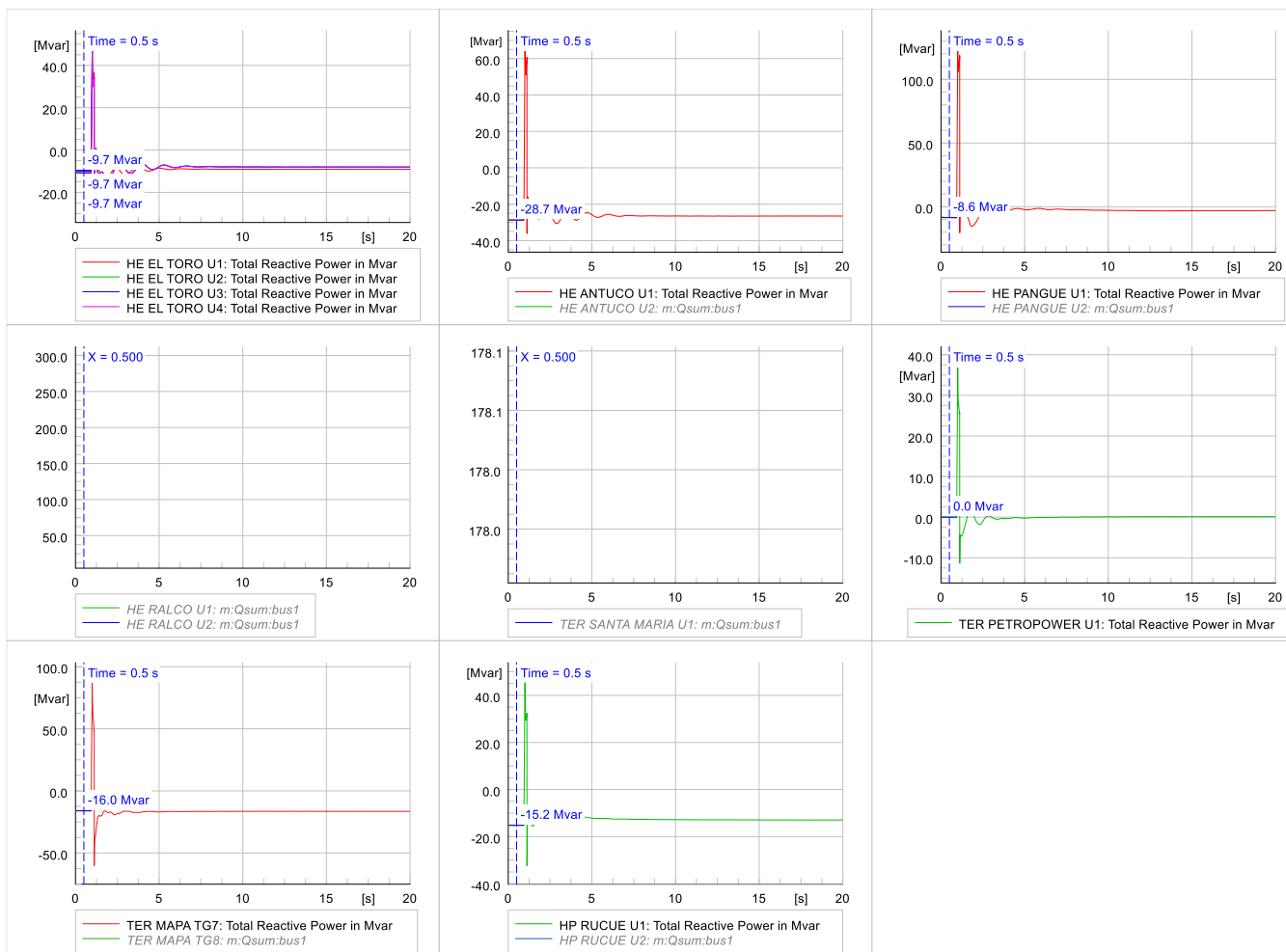


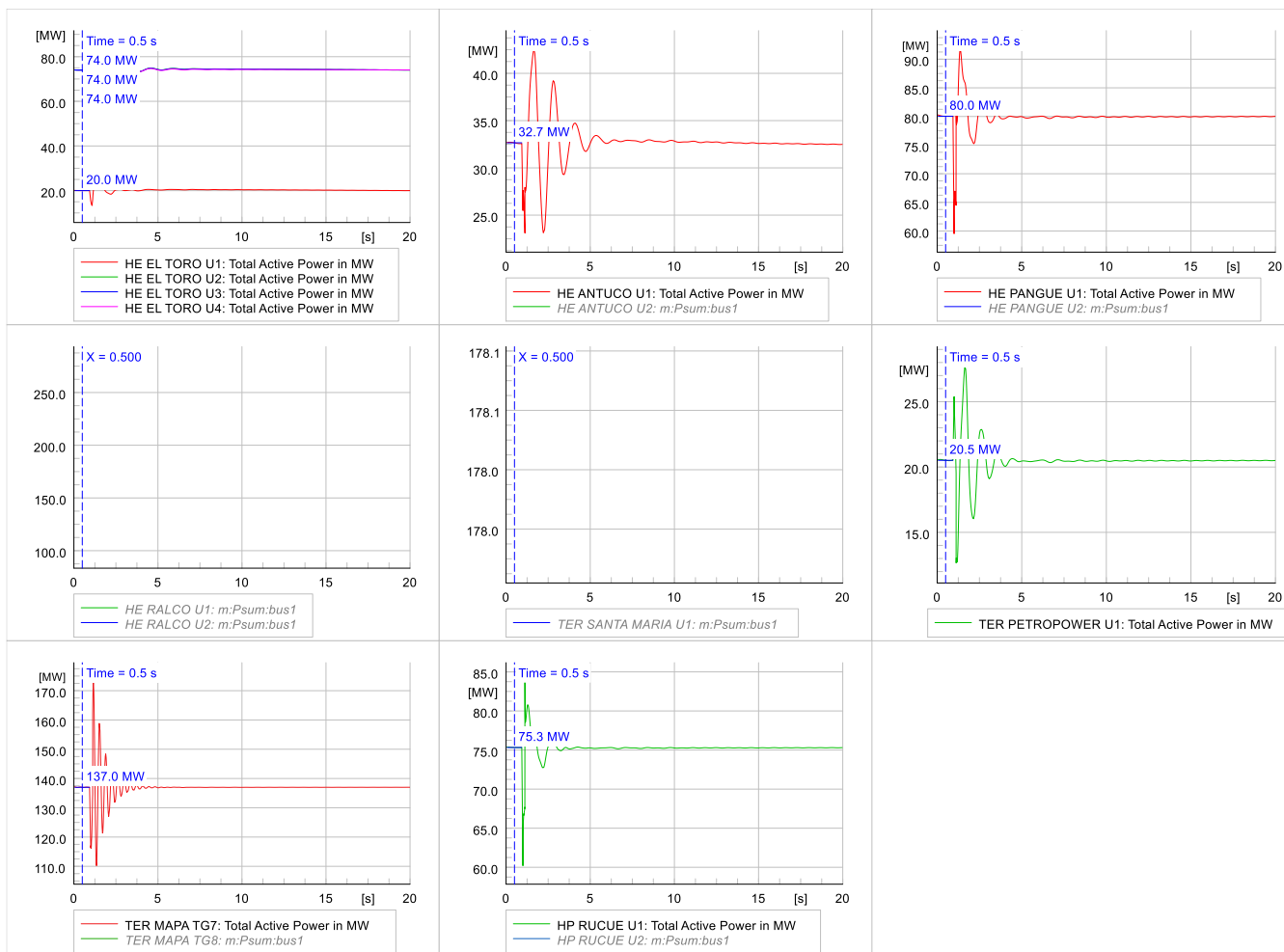


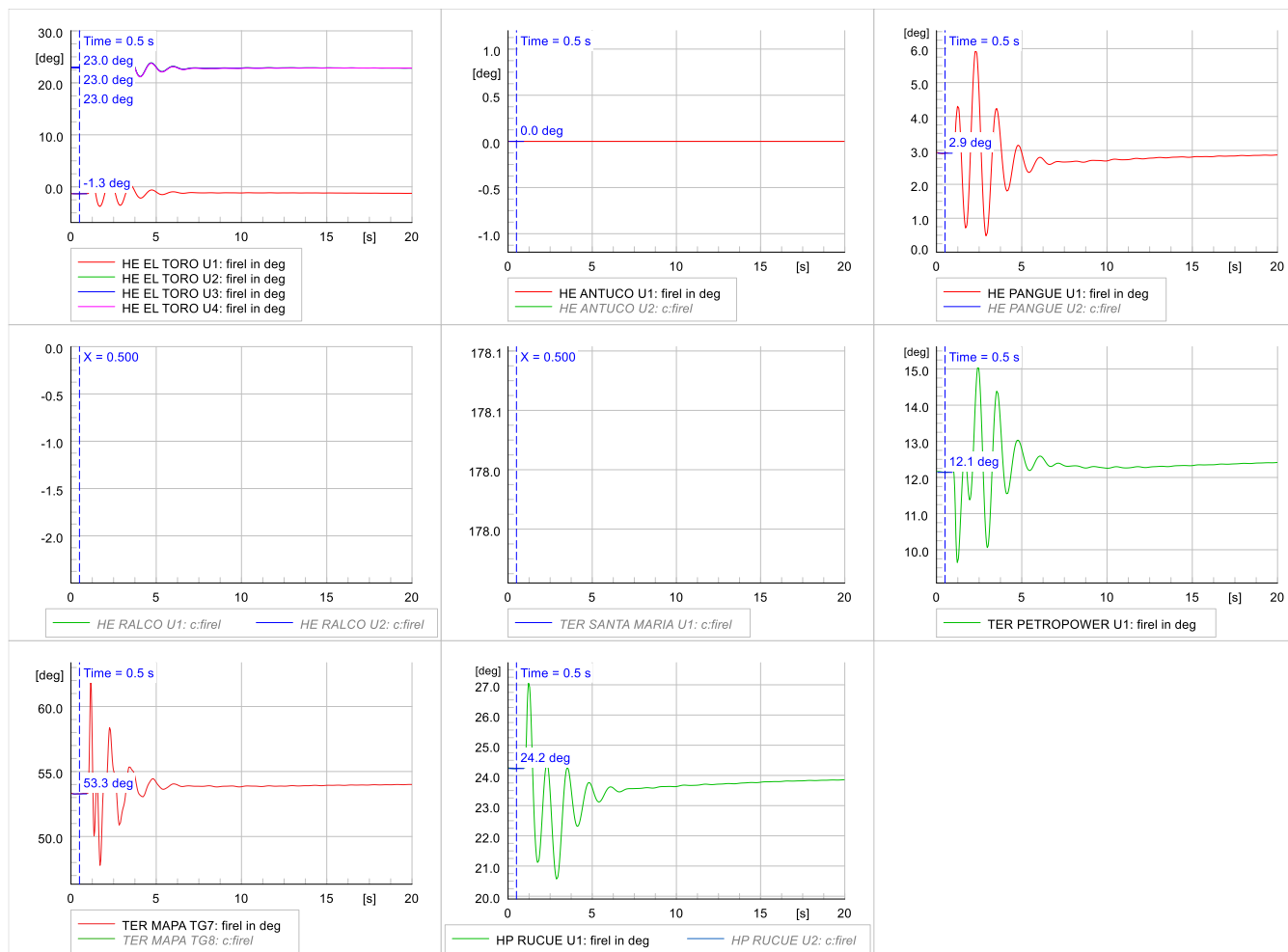


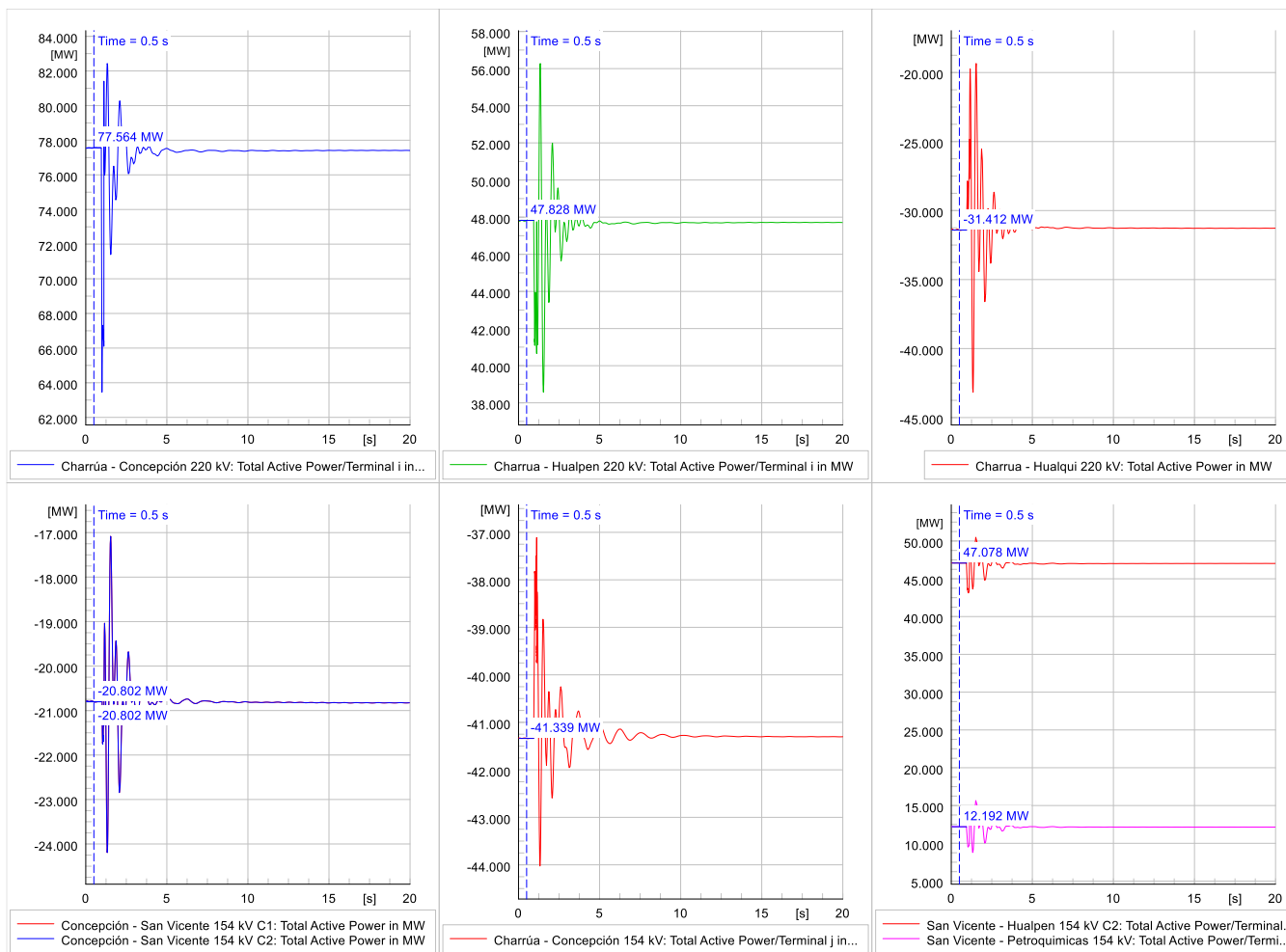


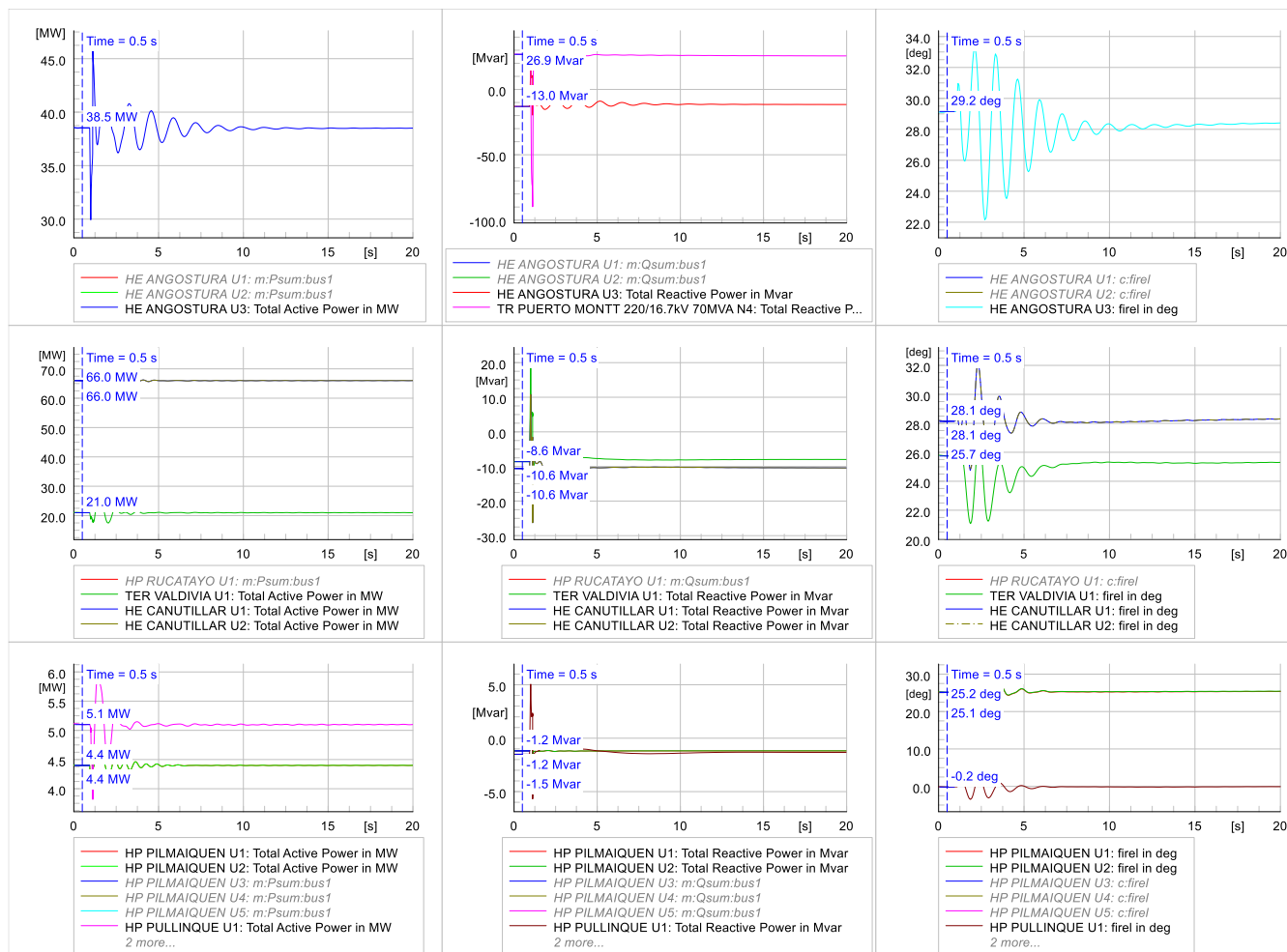


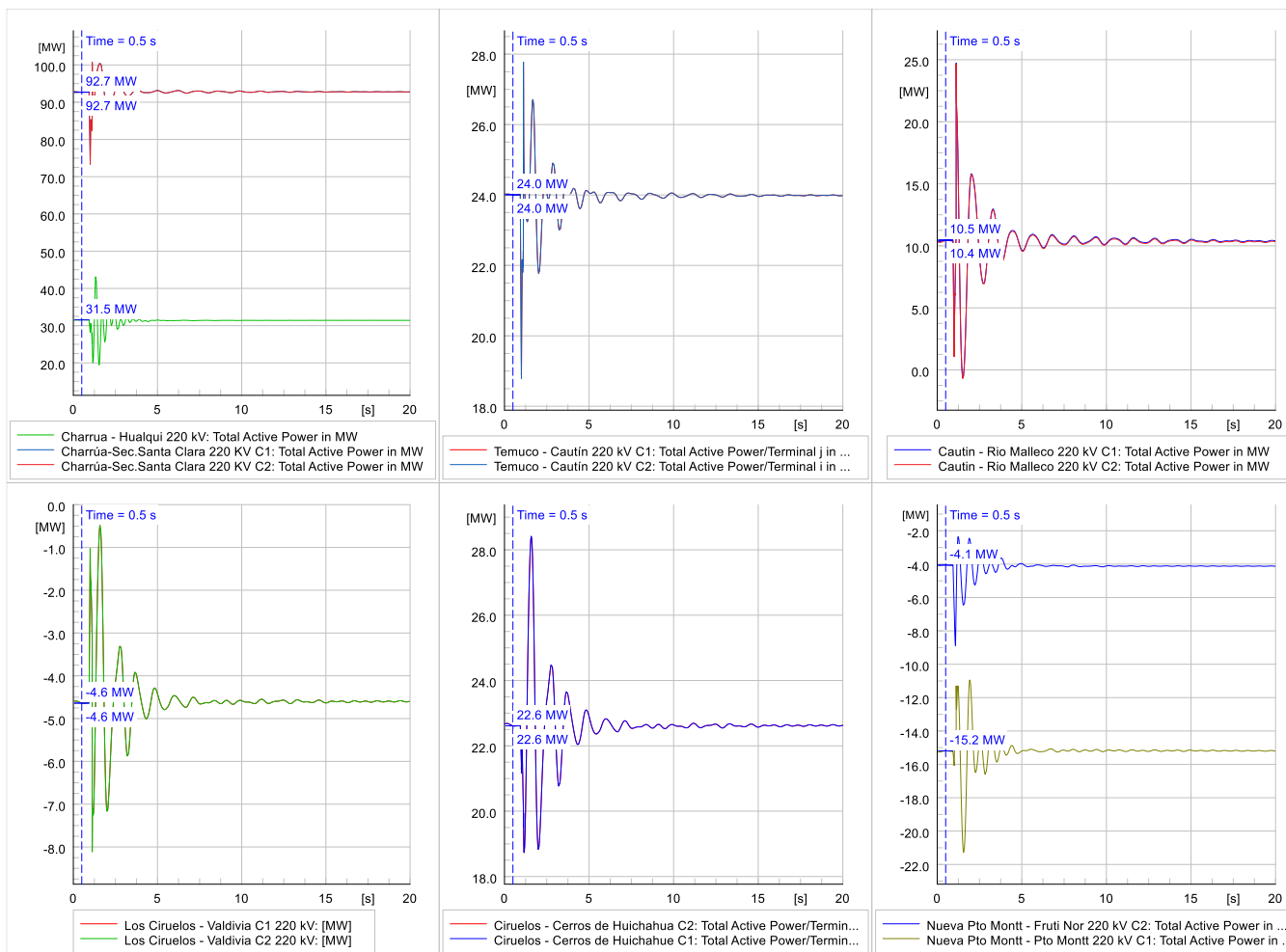




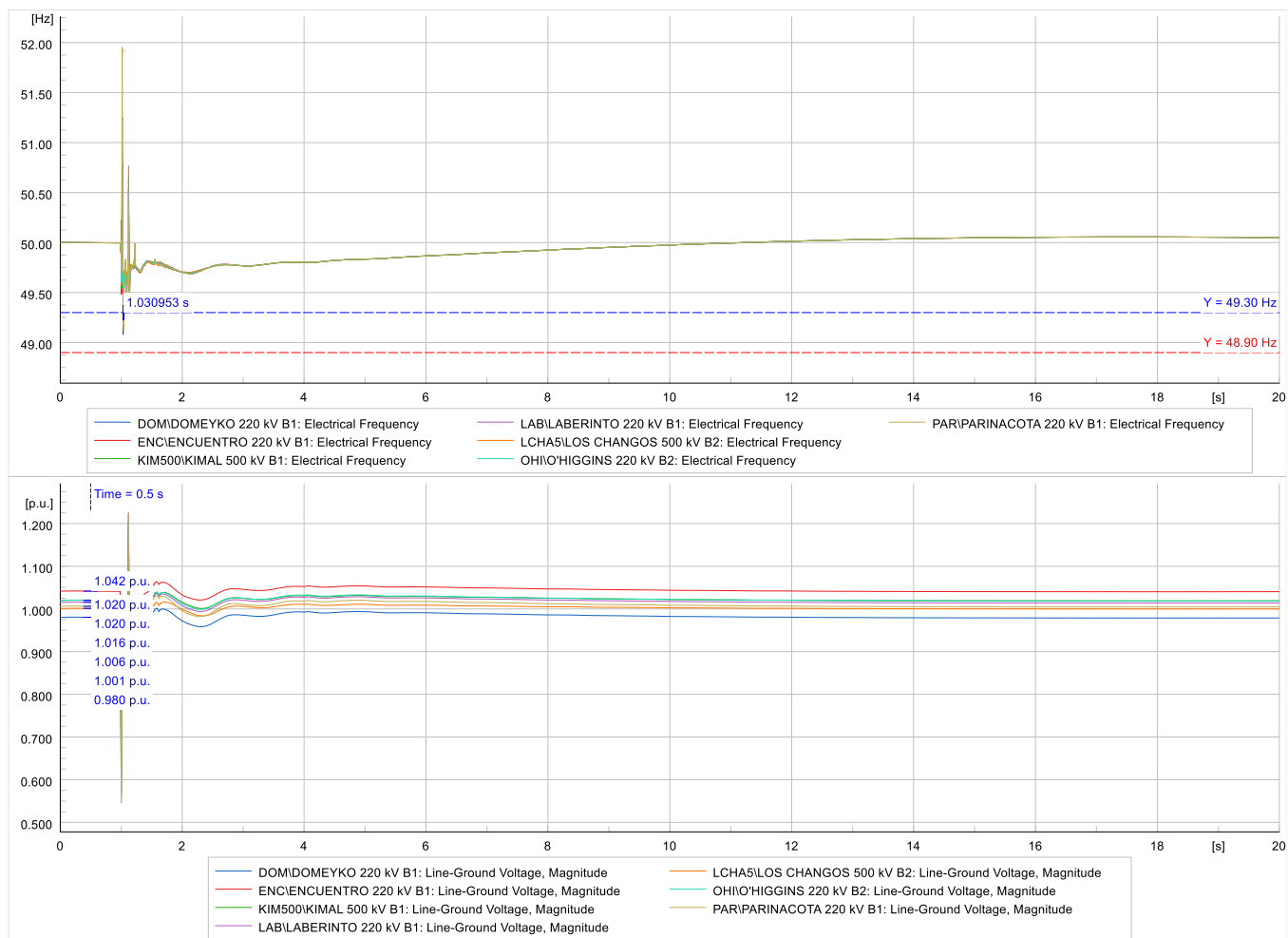


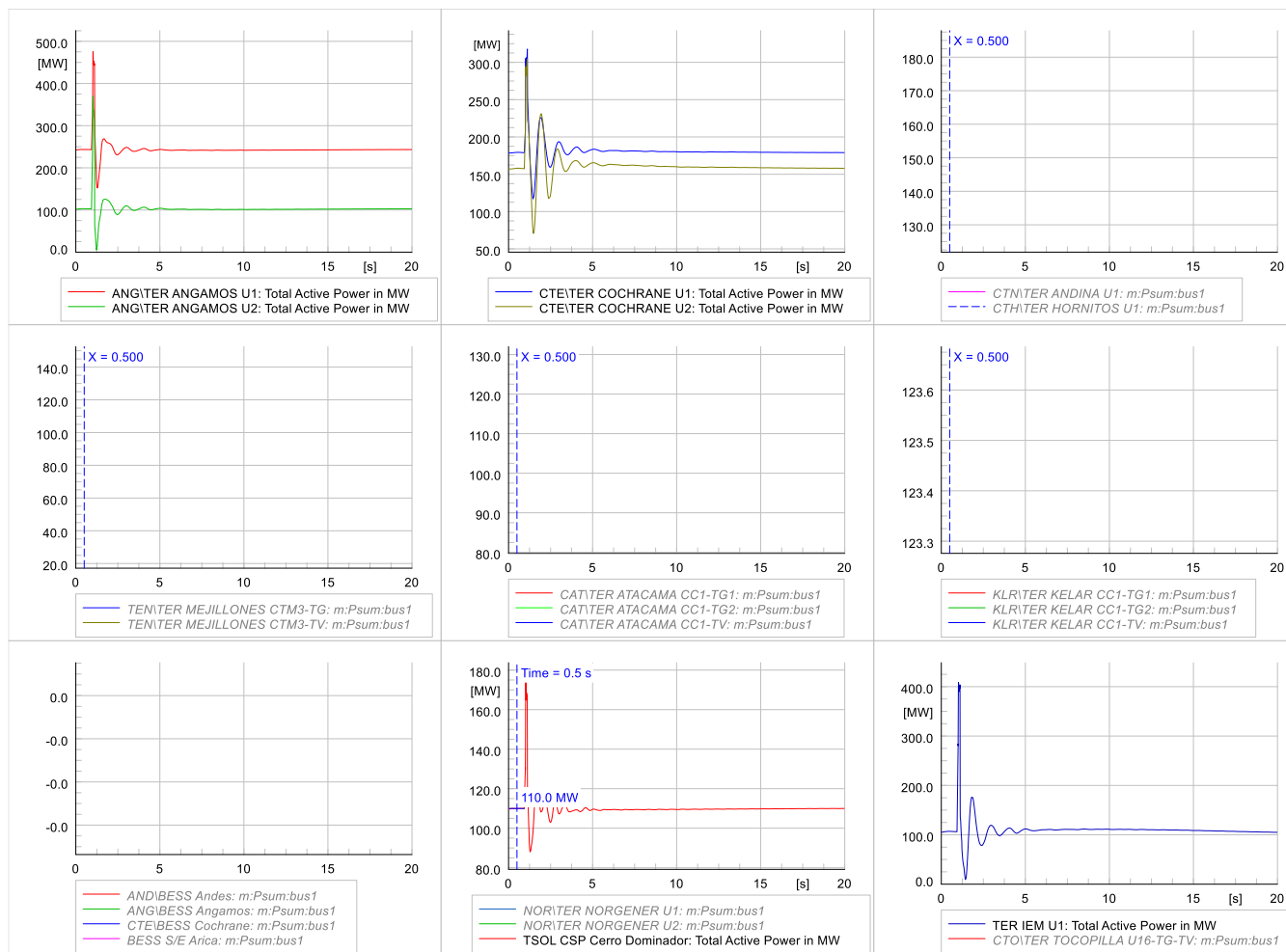


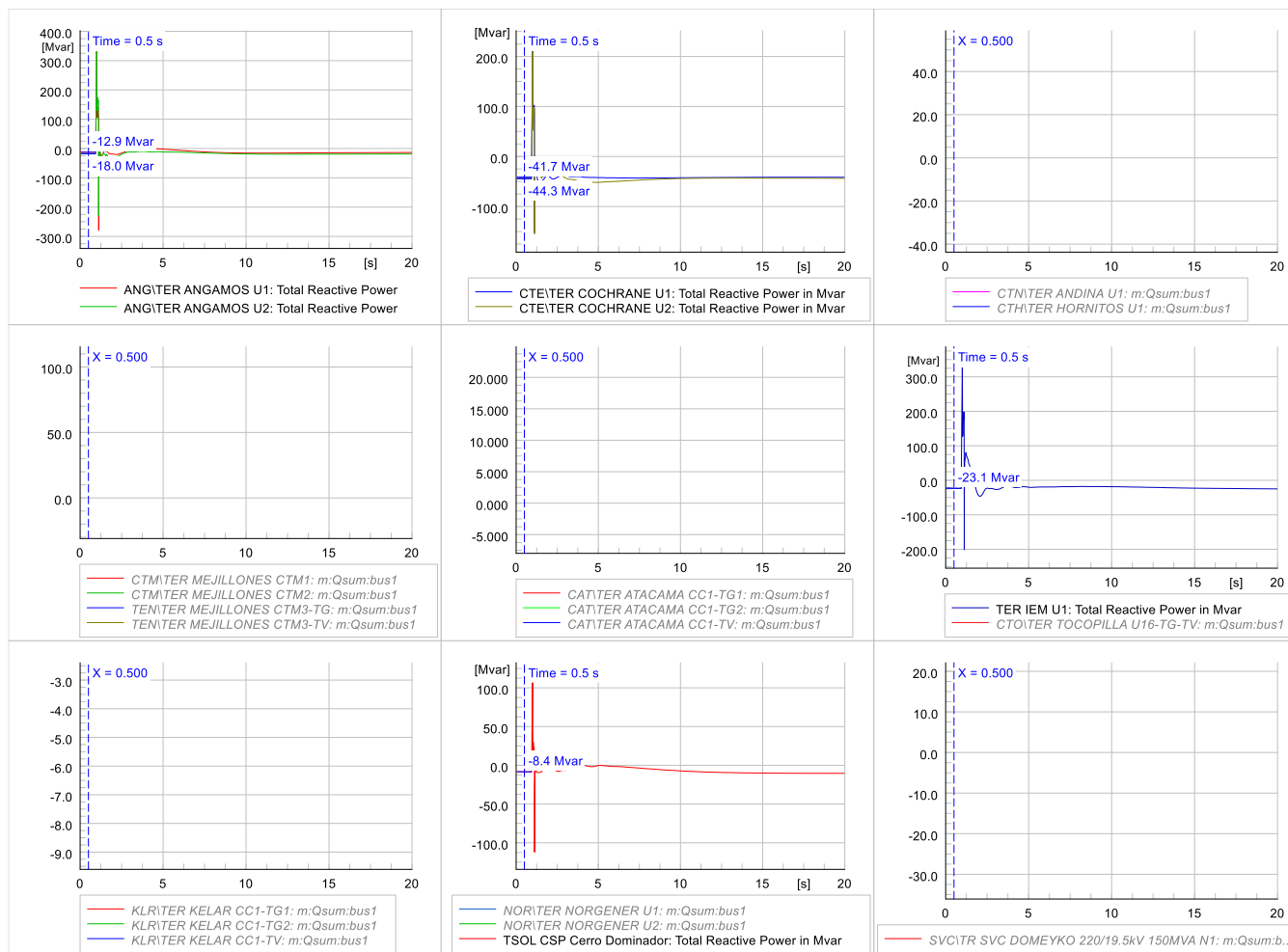


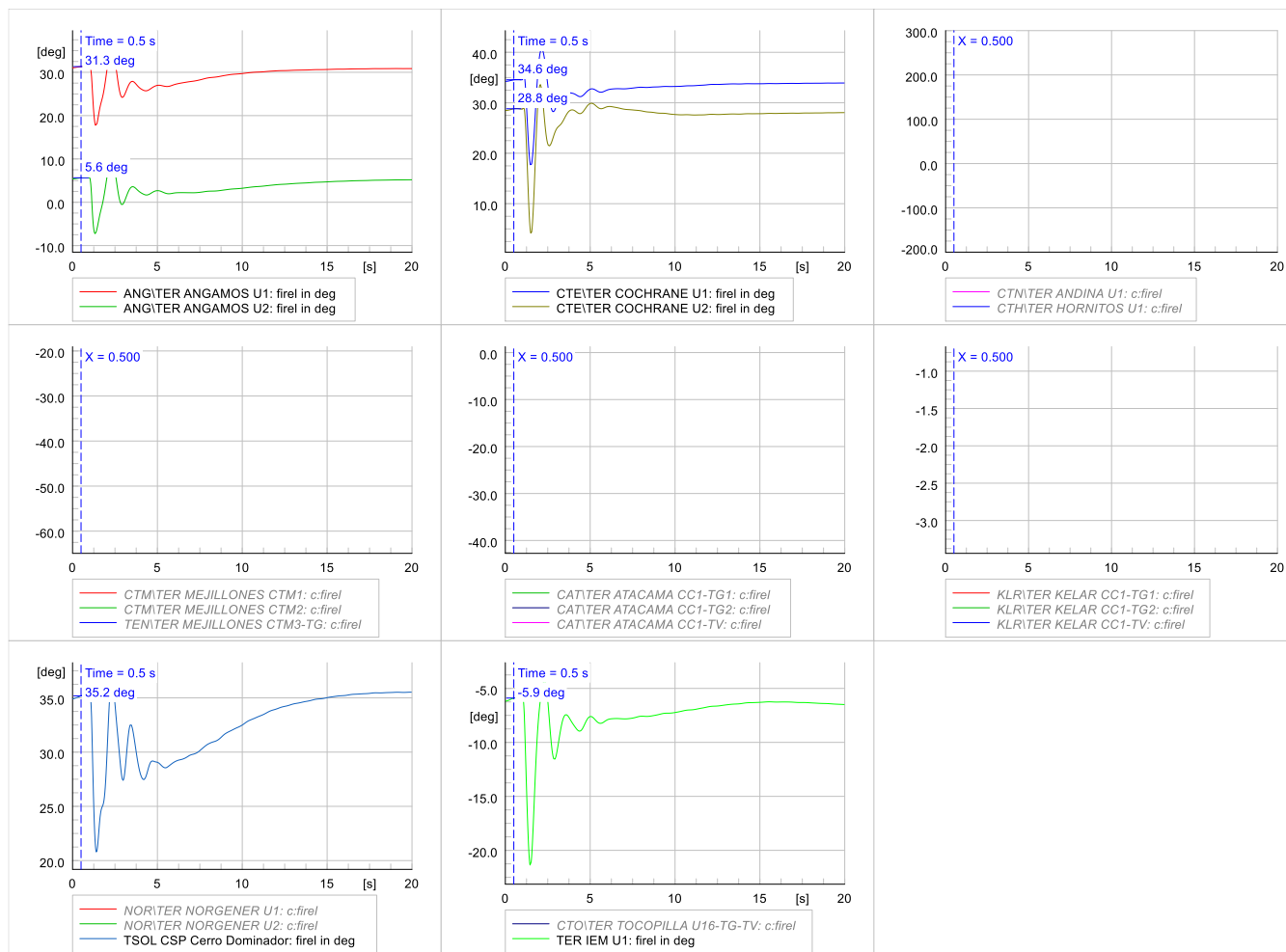


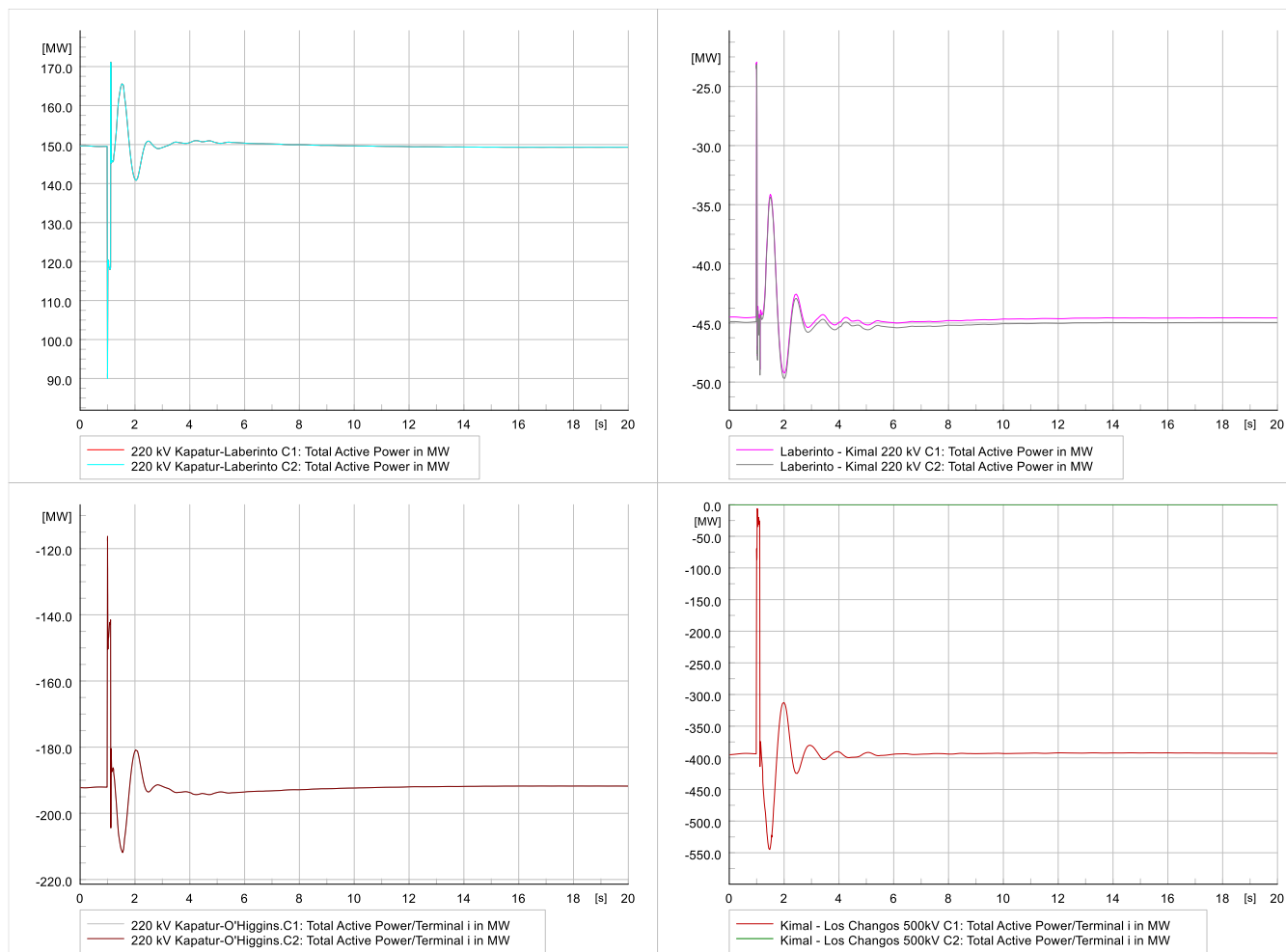
17.9 E3 2024_04_07 DB 19 Hrs.- Ancoa - Charrúa 500kV

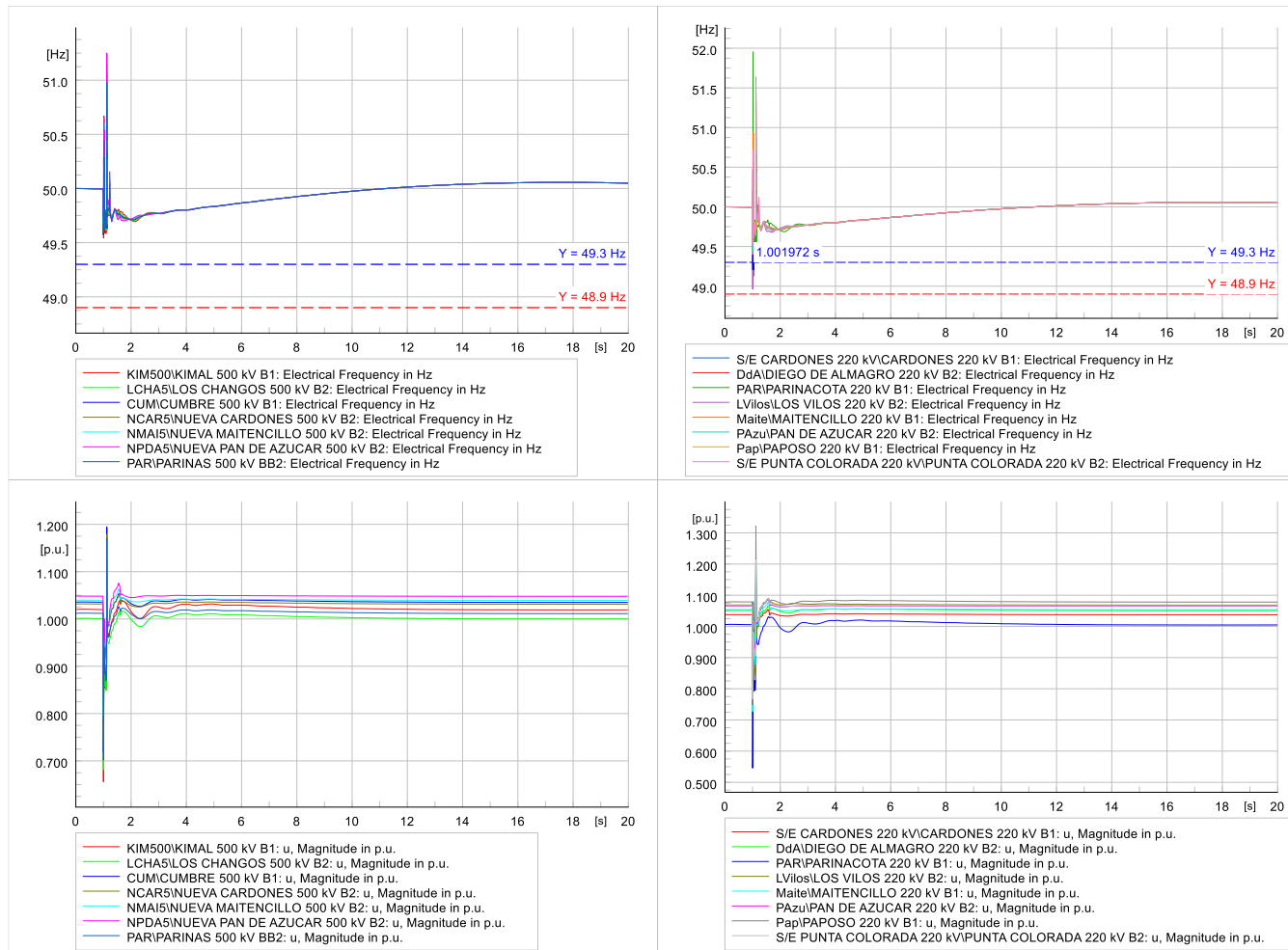


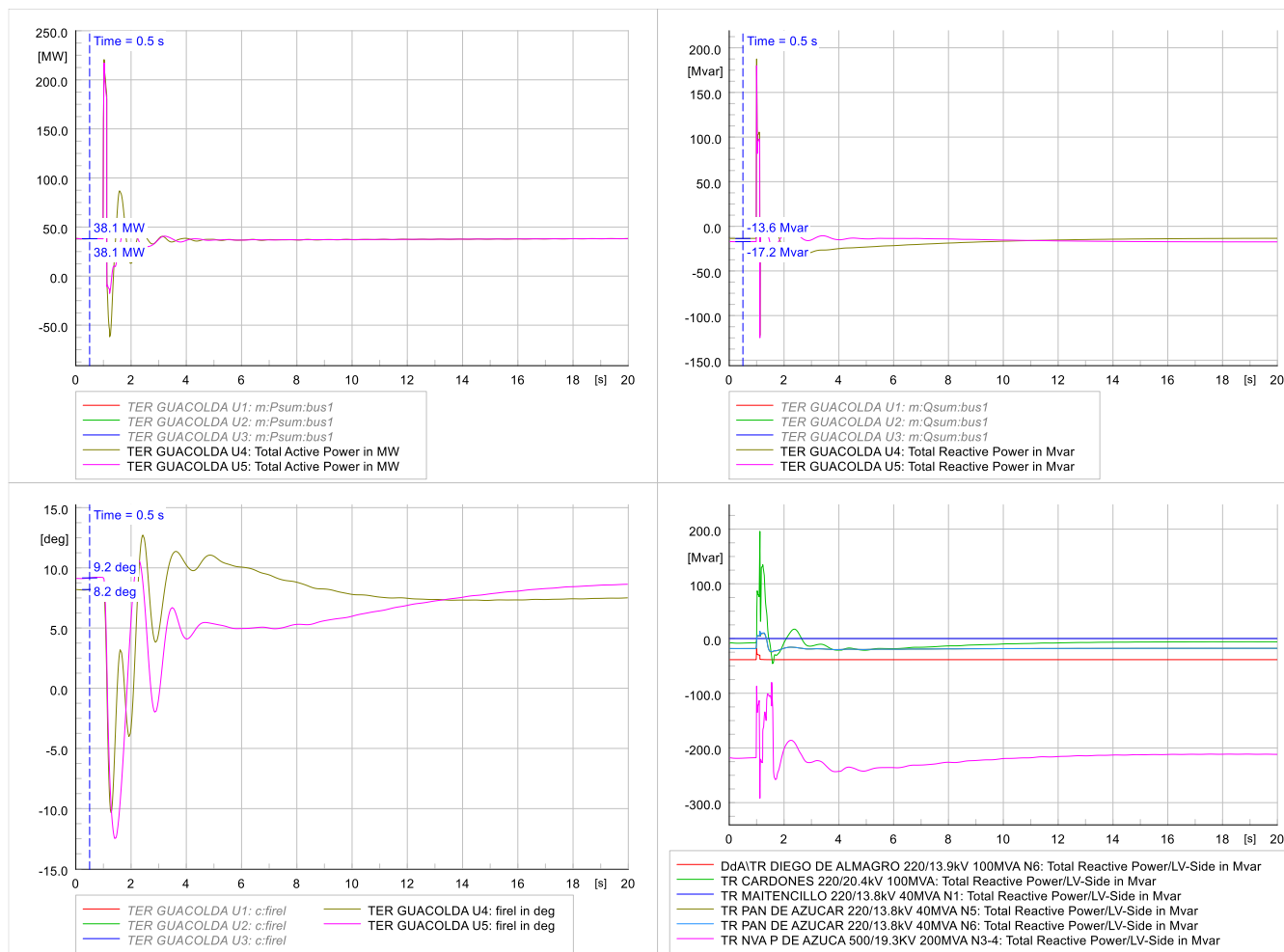


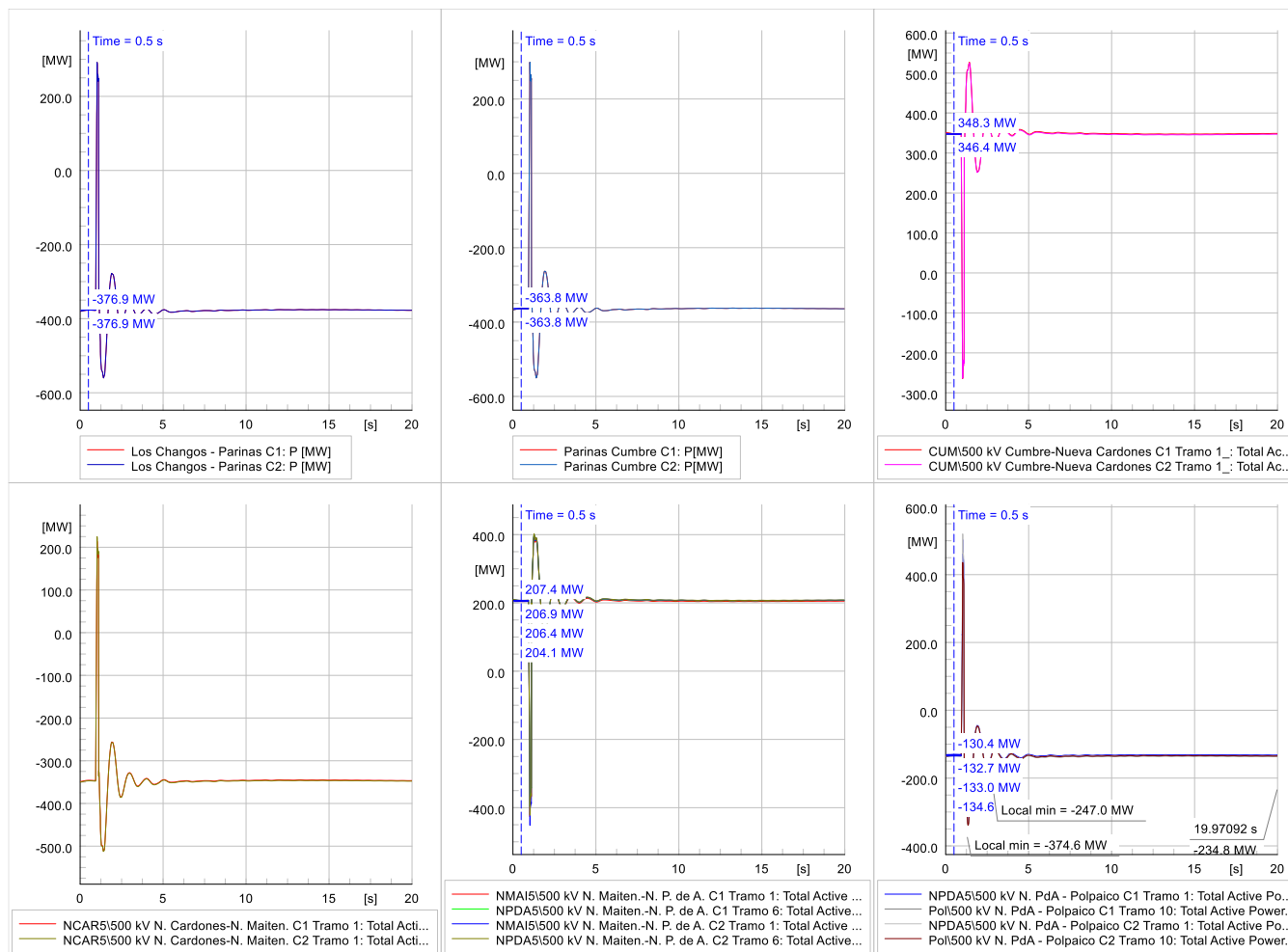


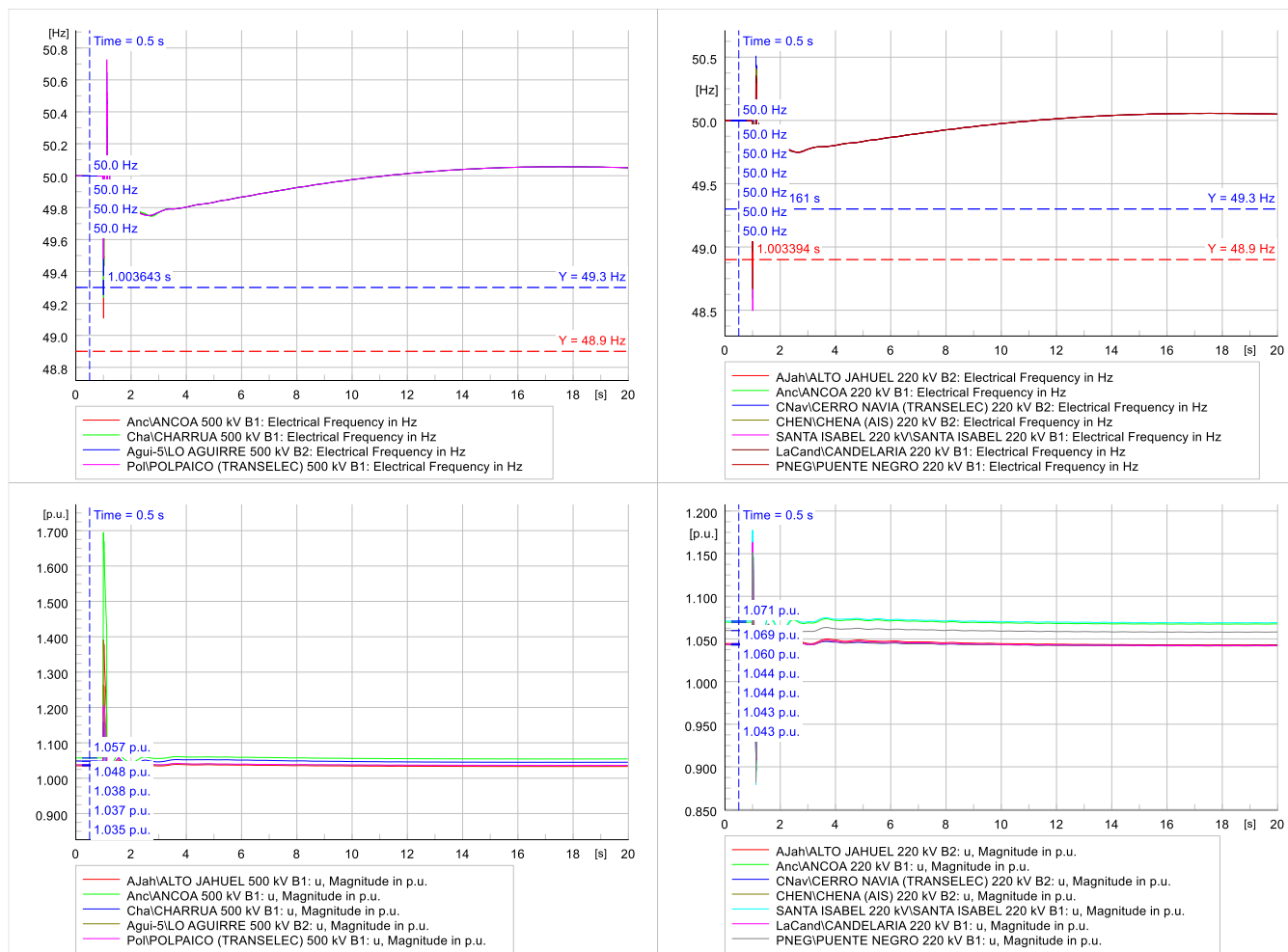


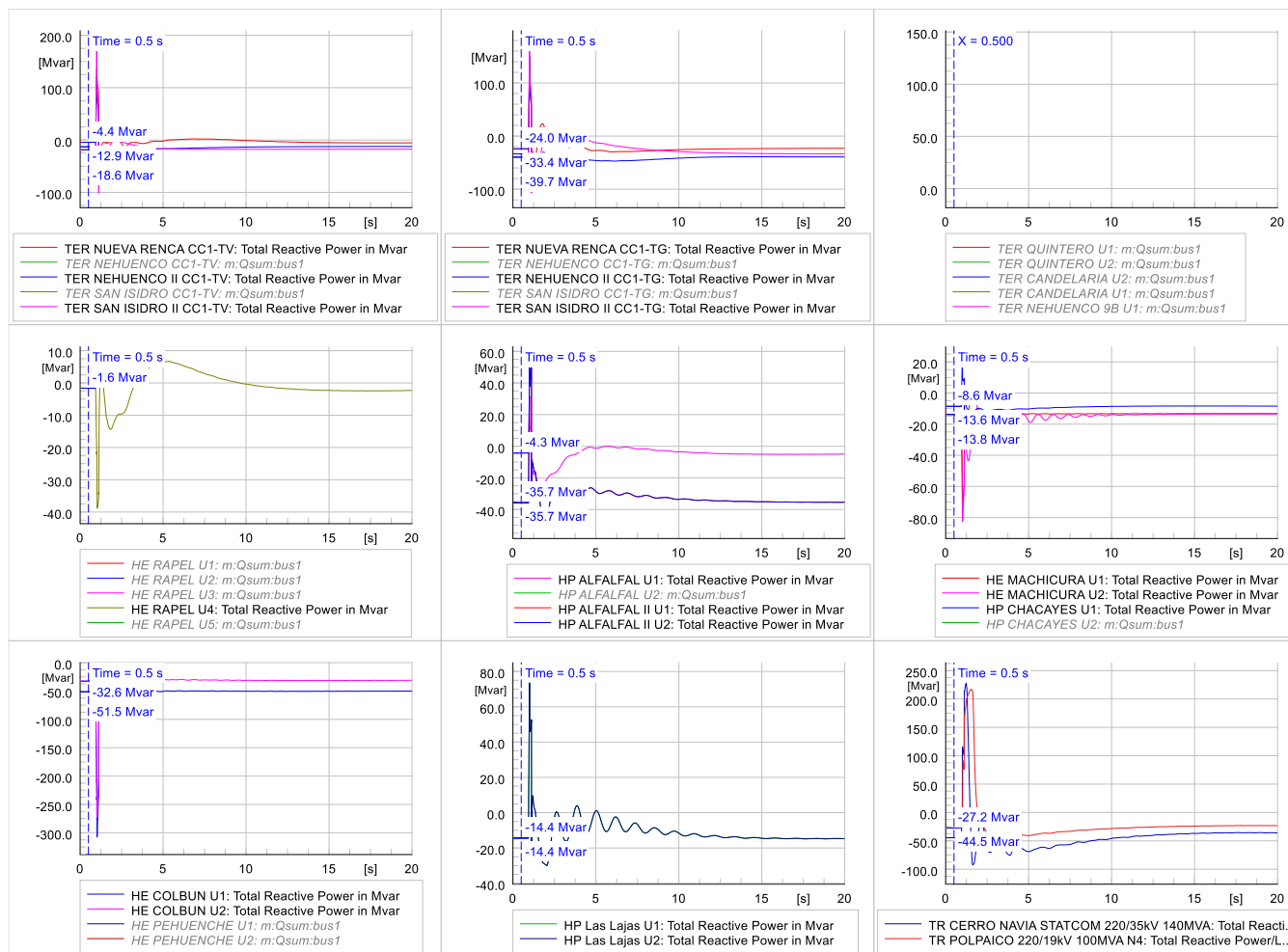


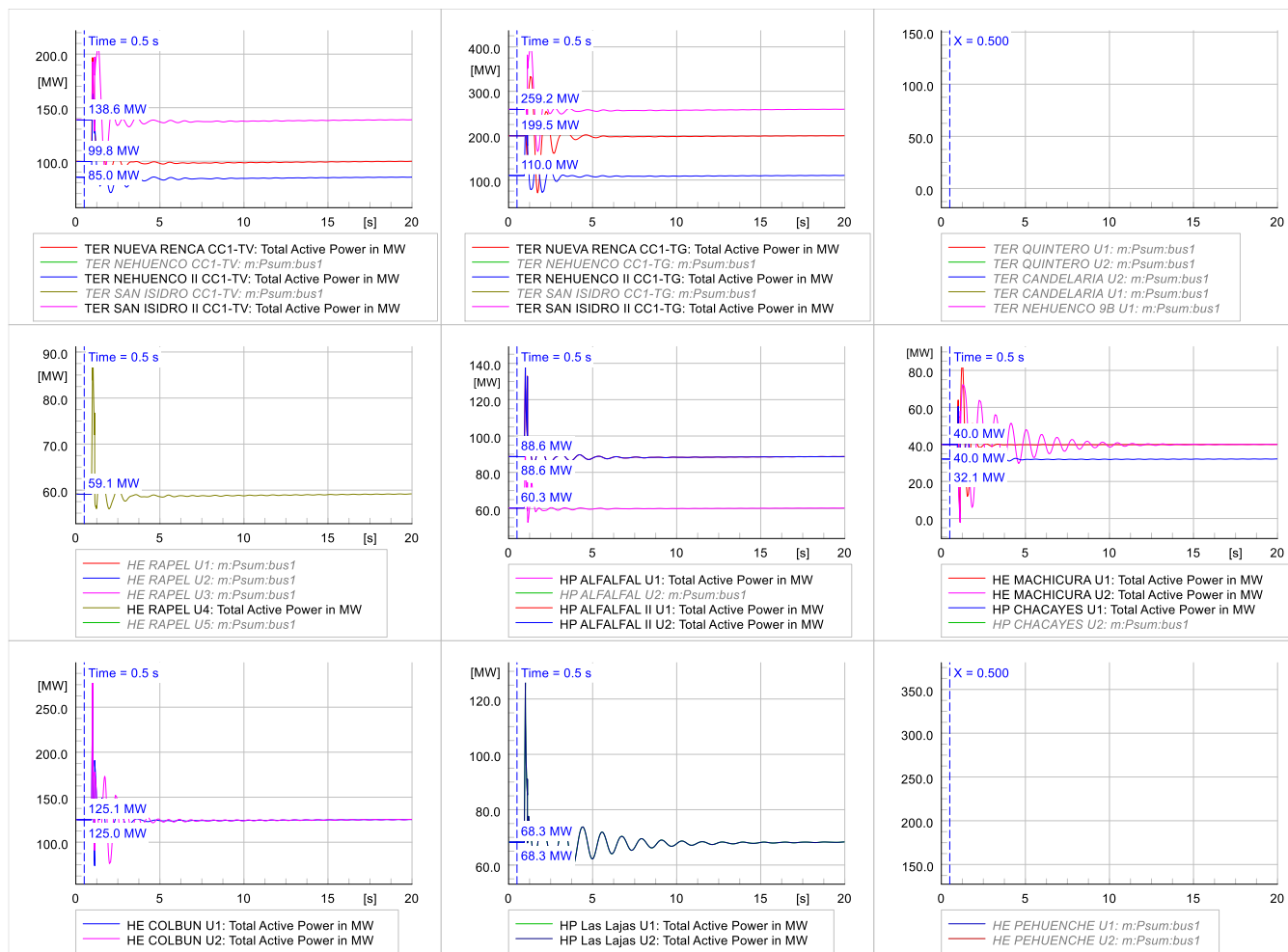


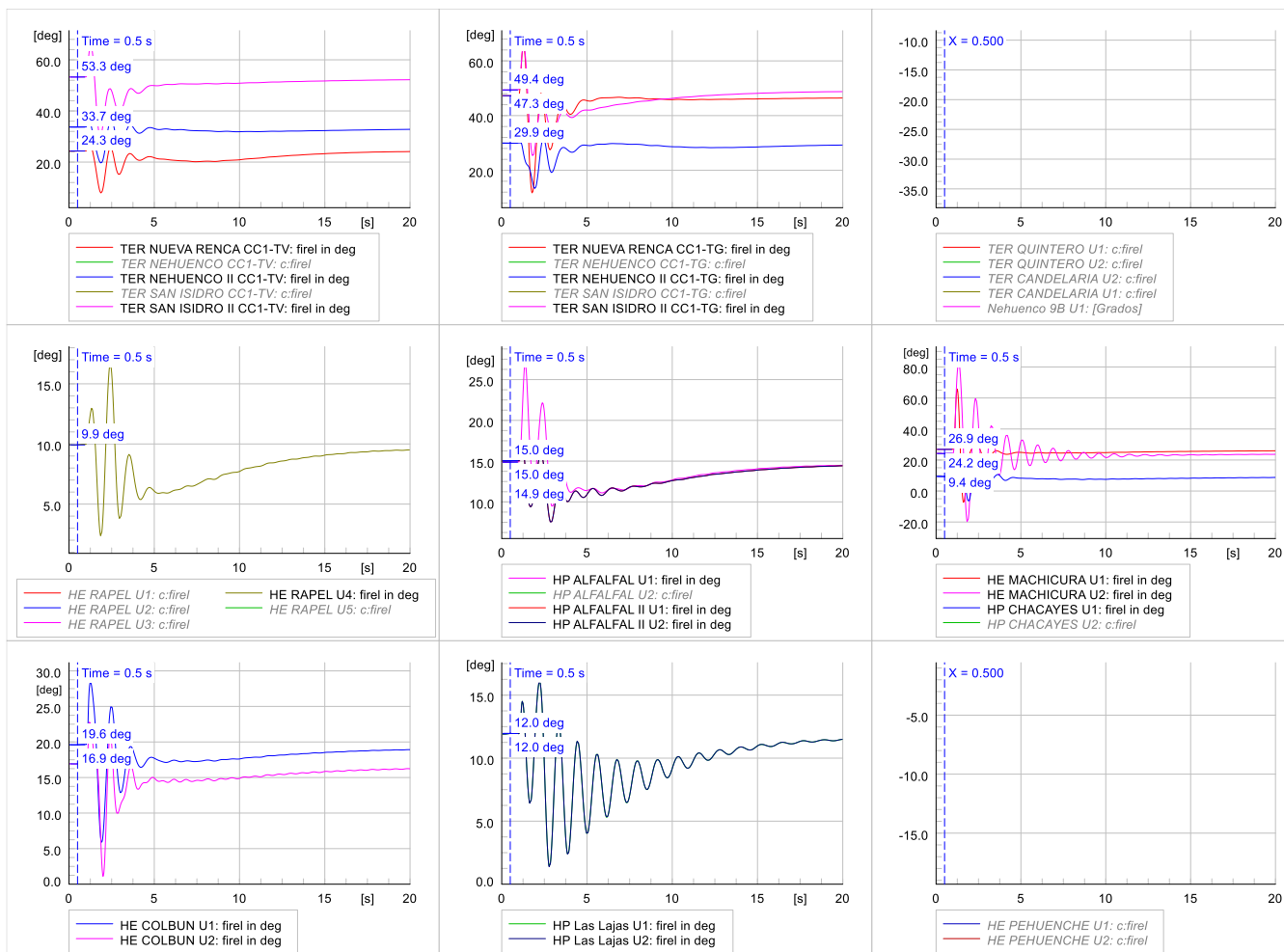


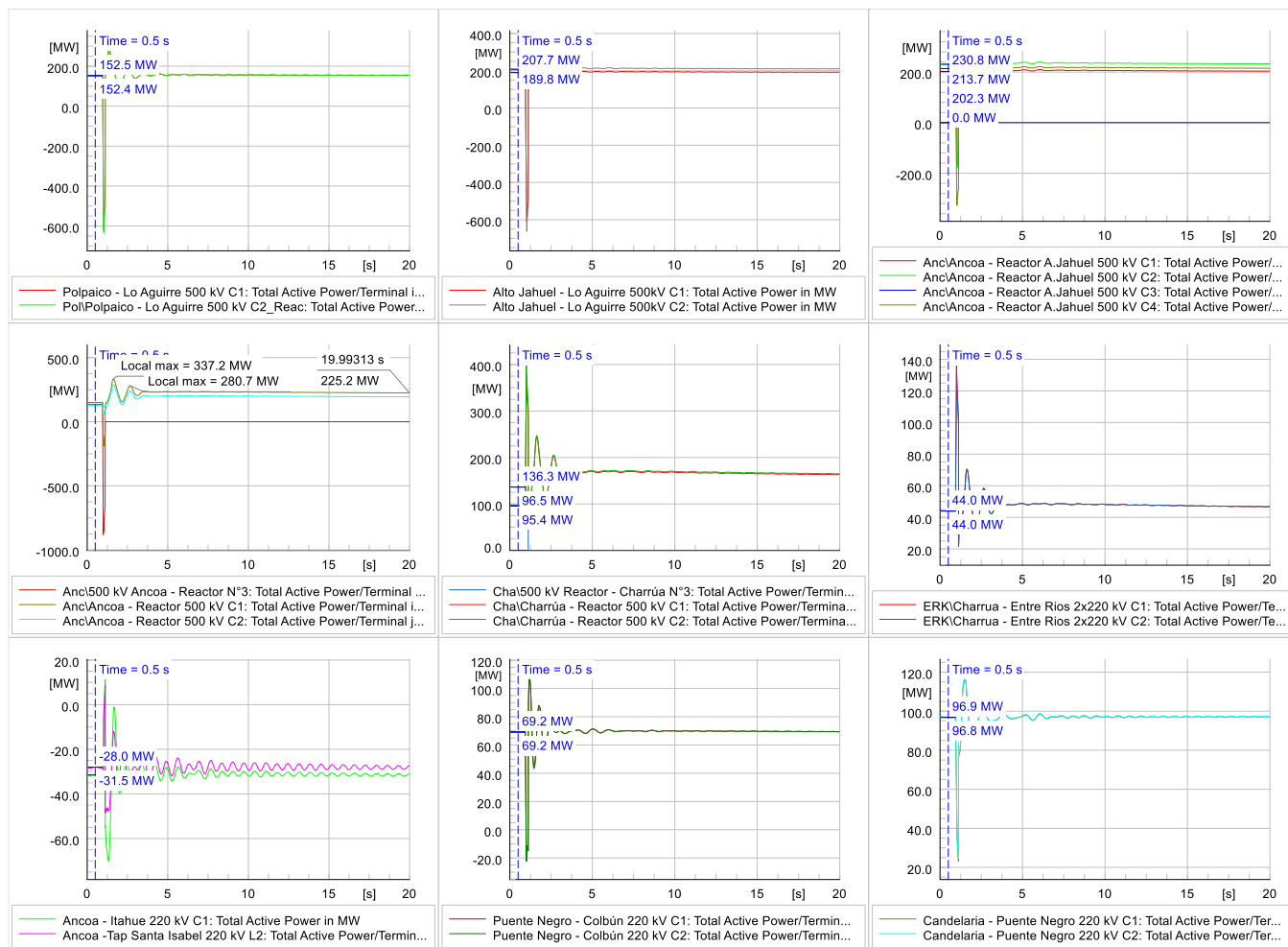


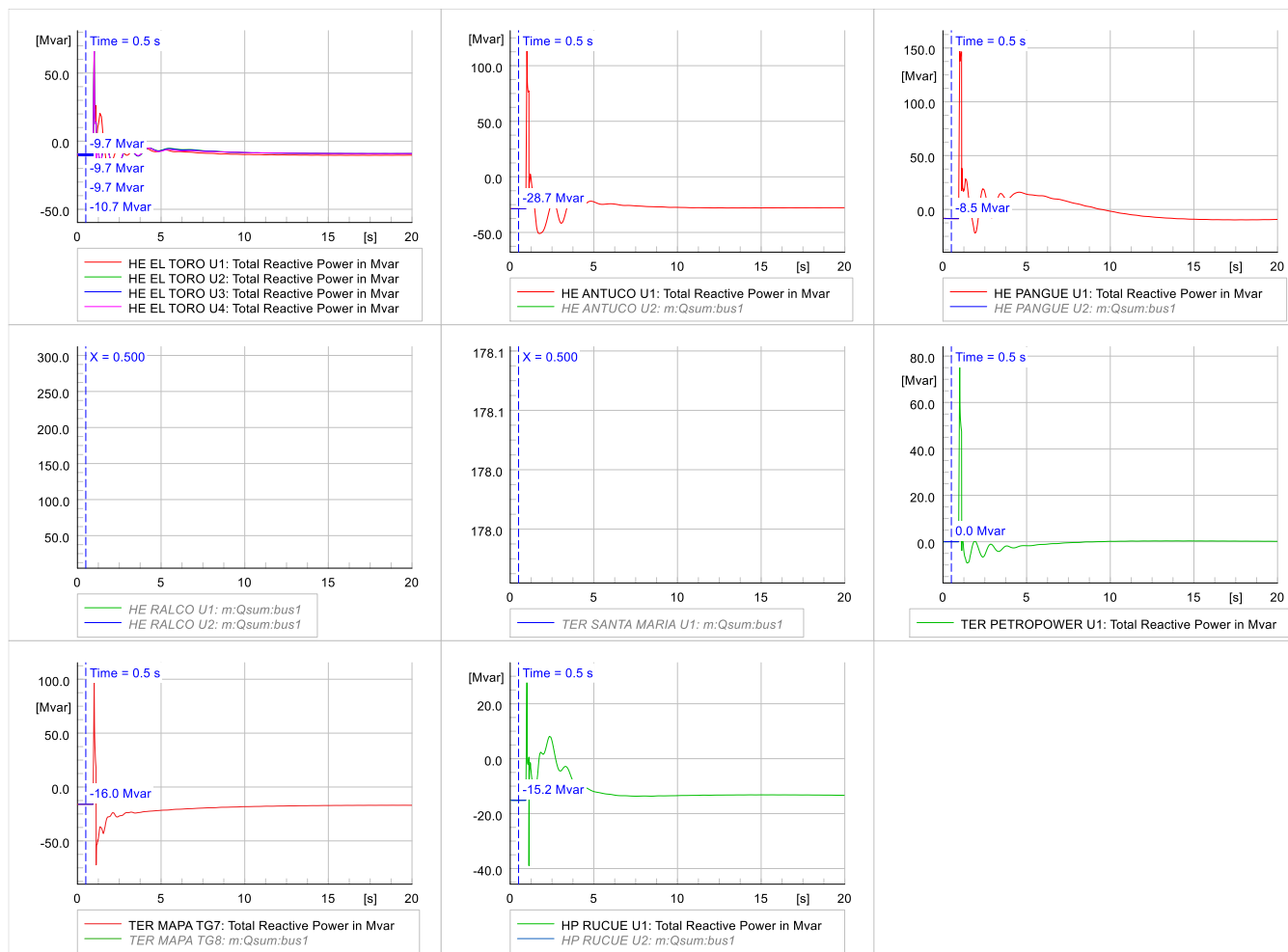


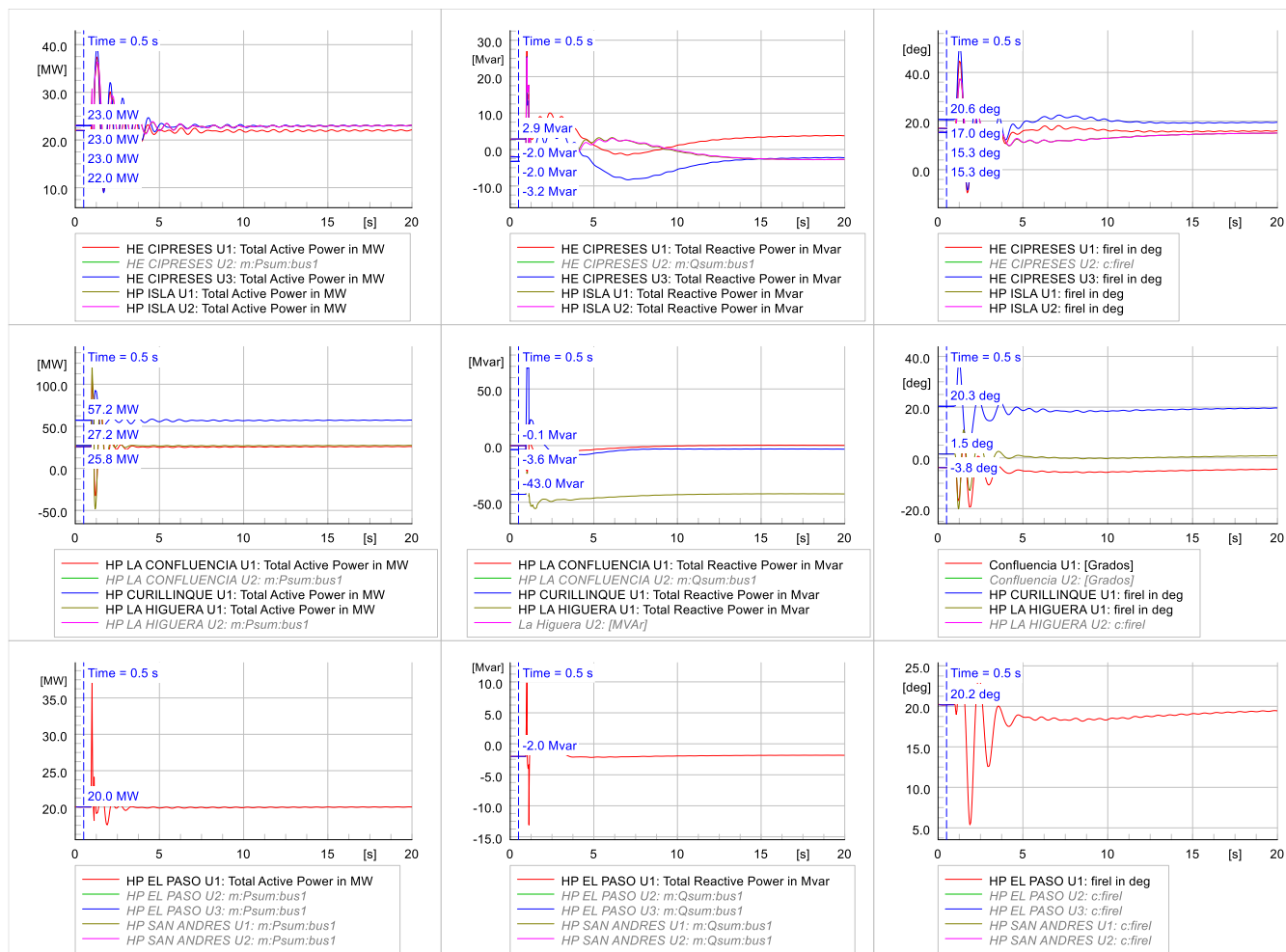


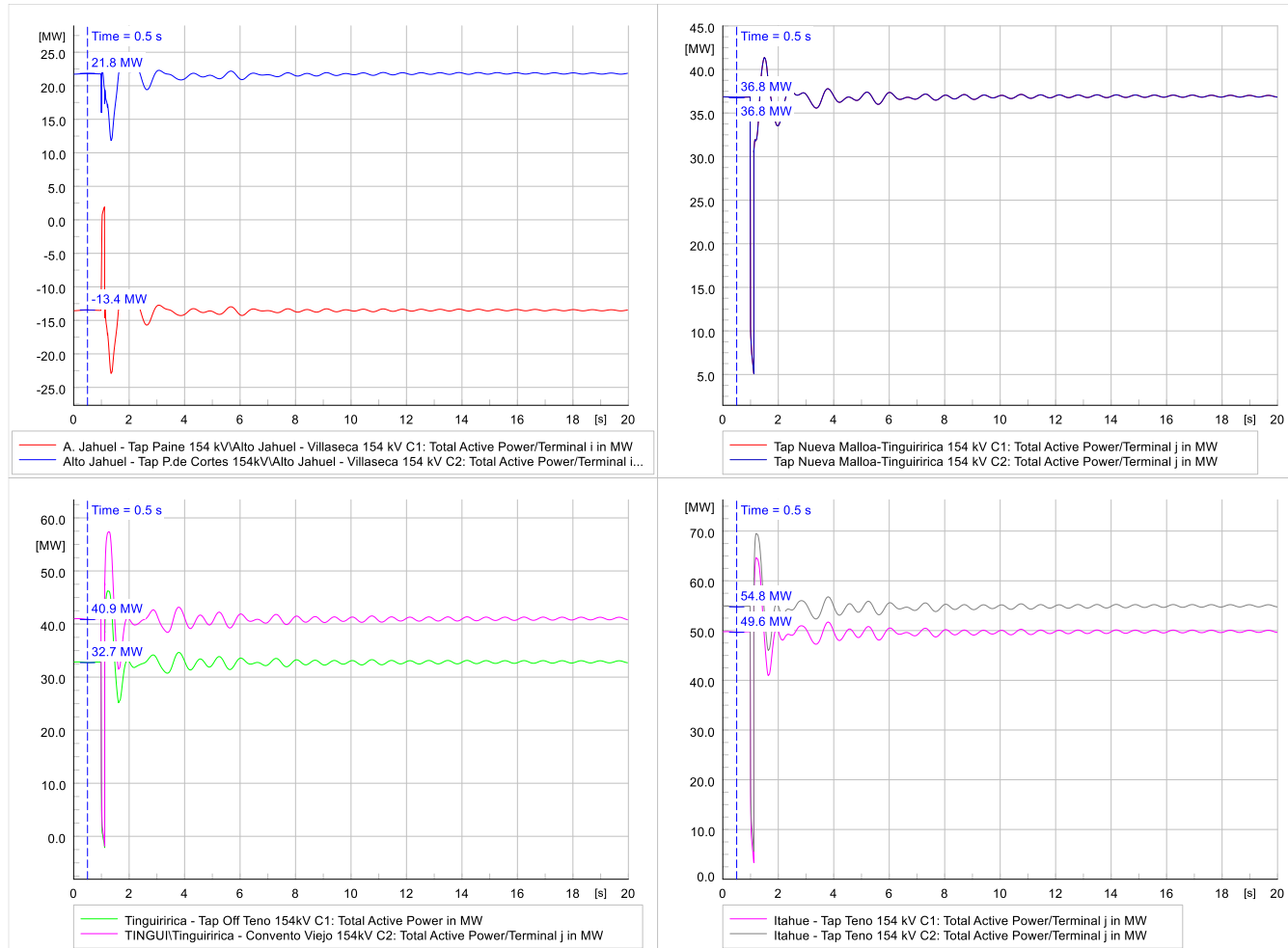


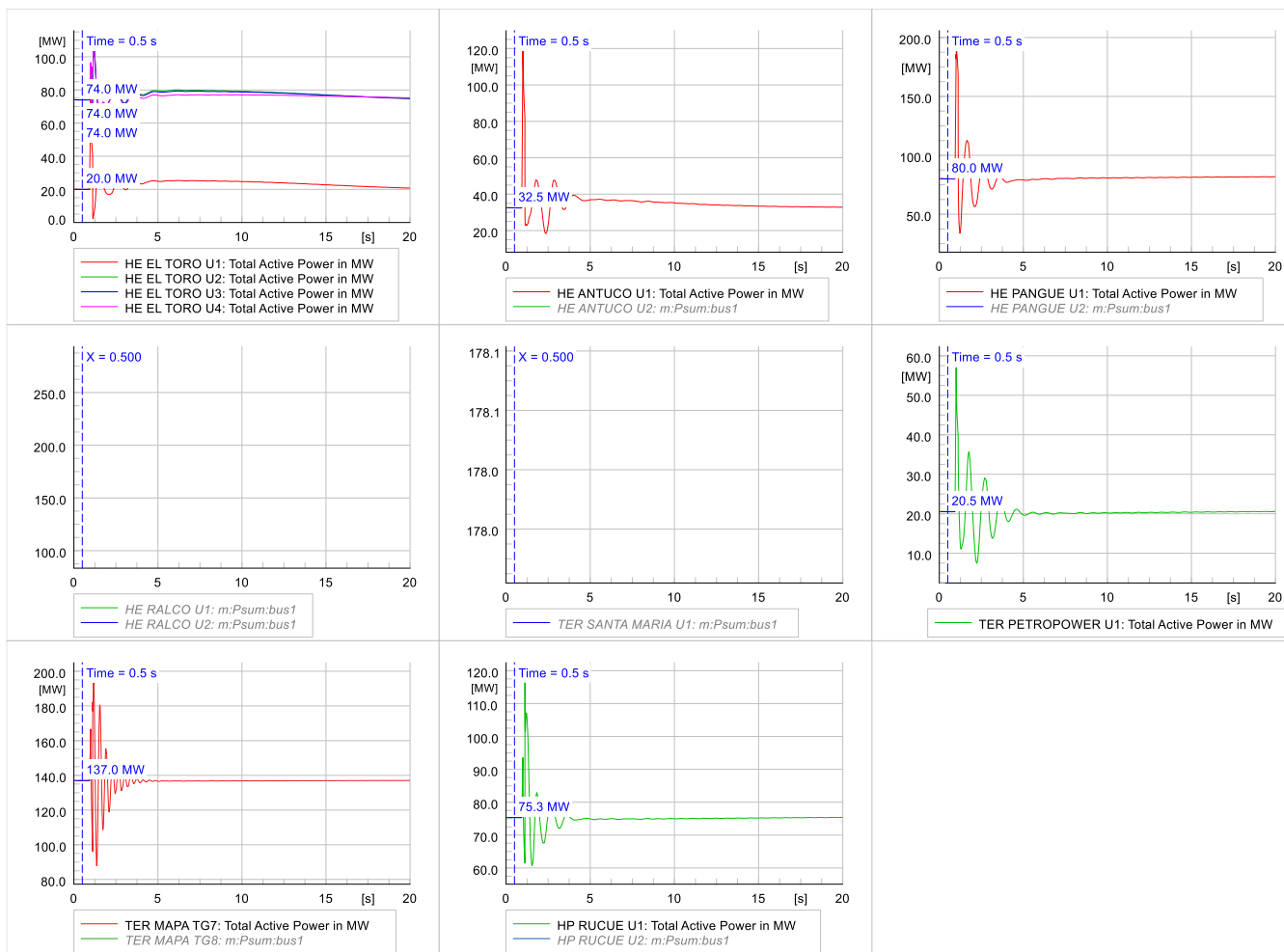


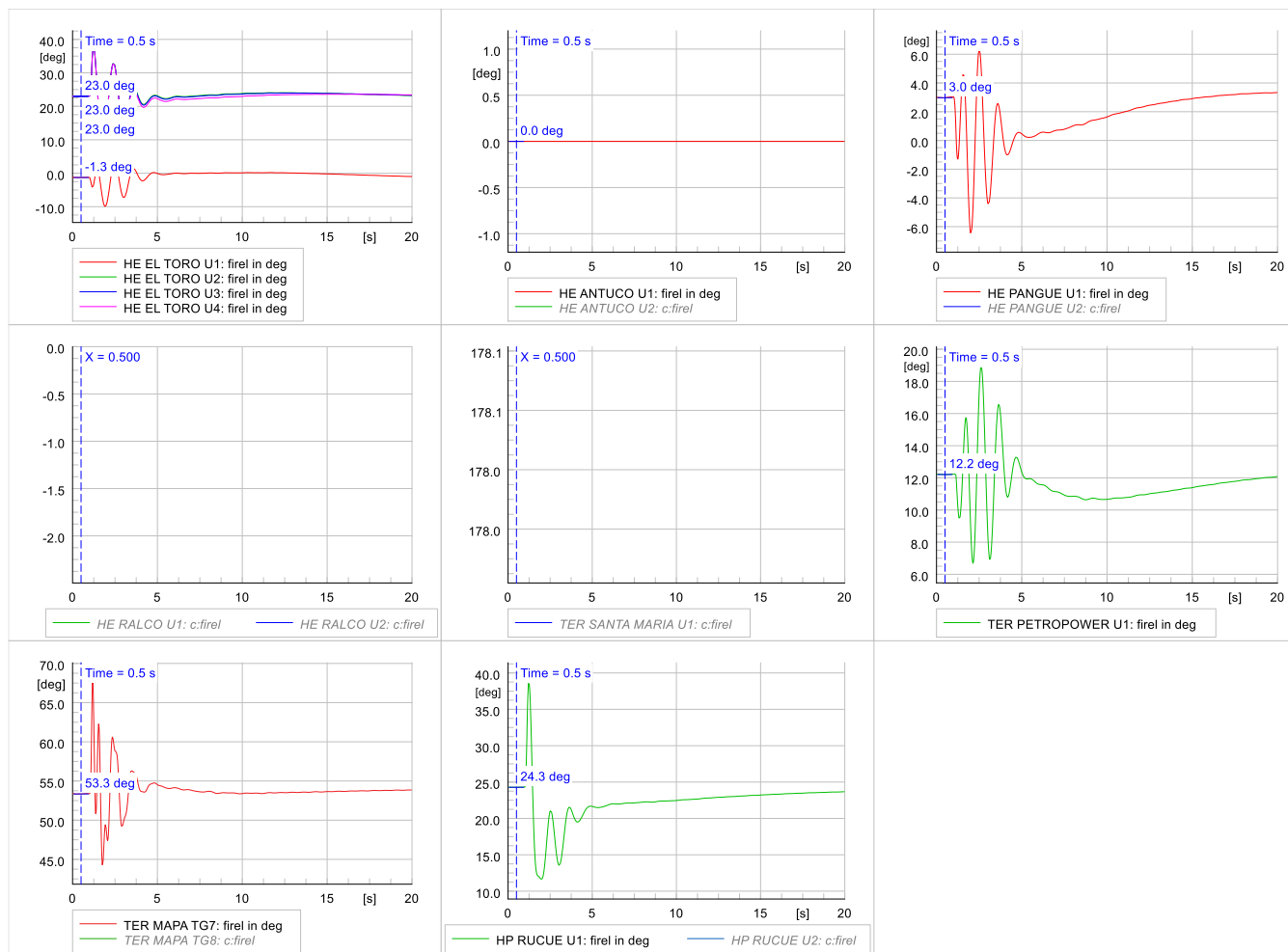


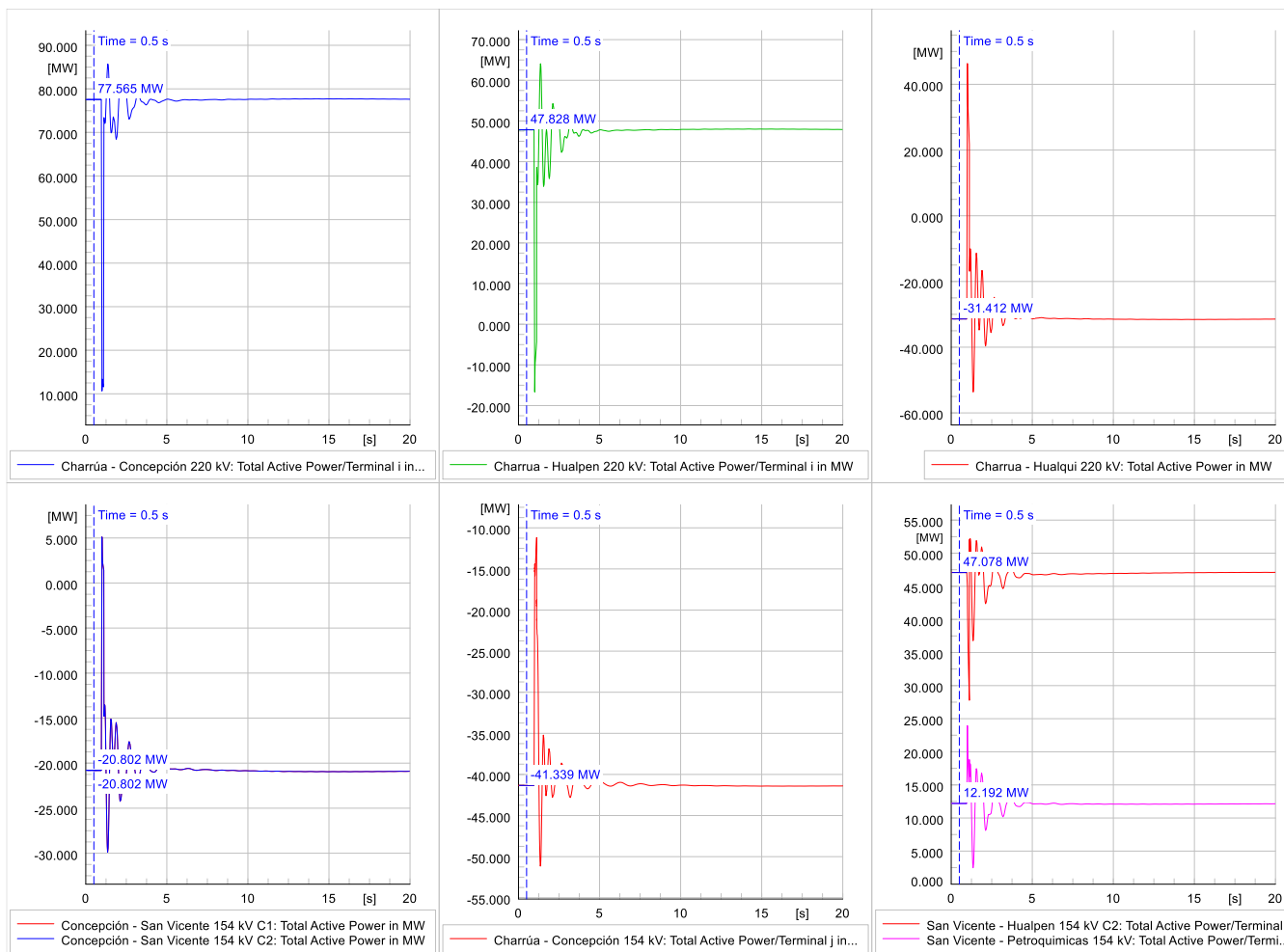


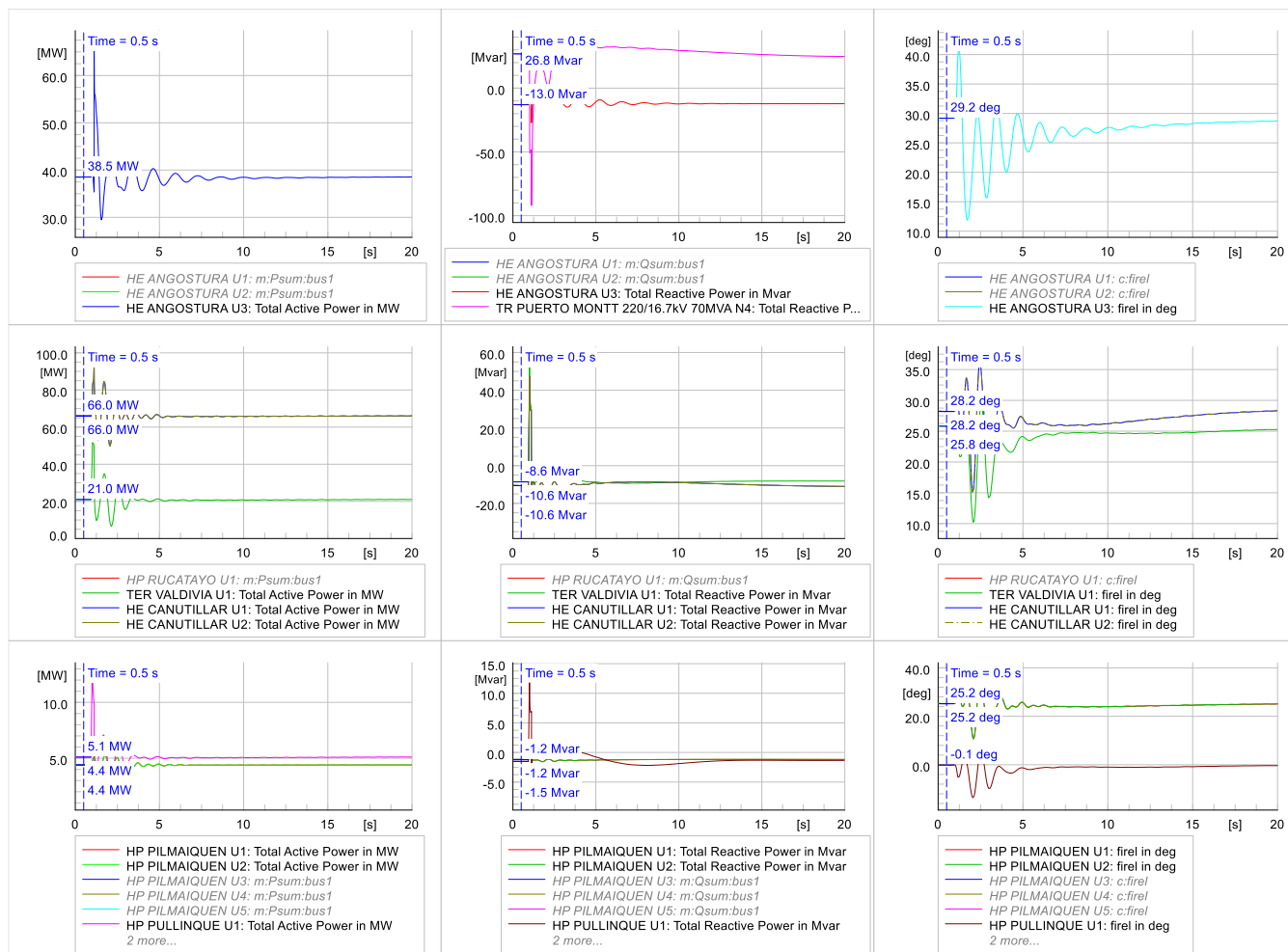


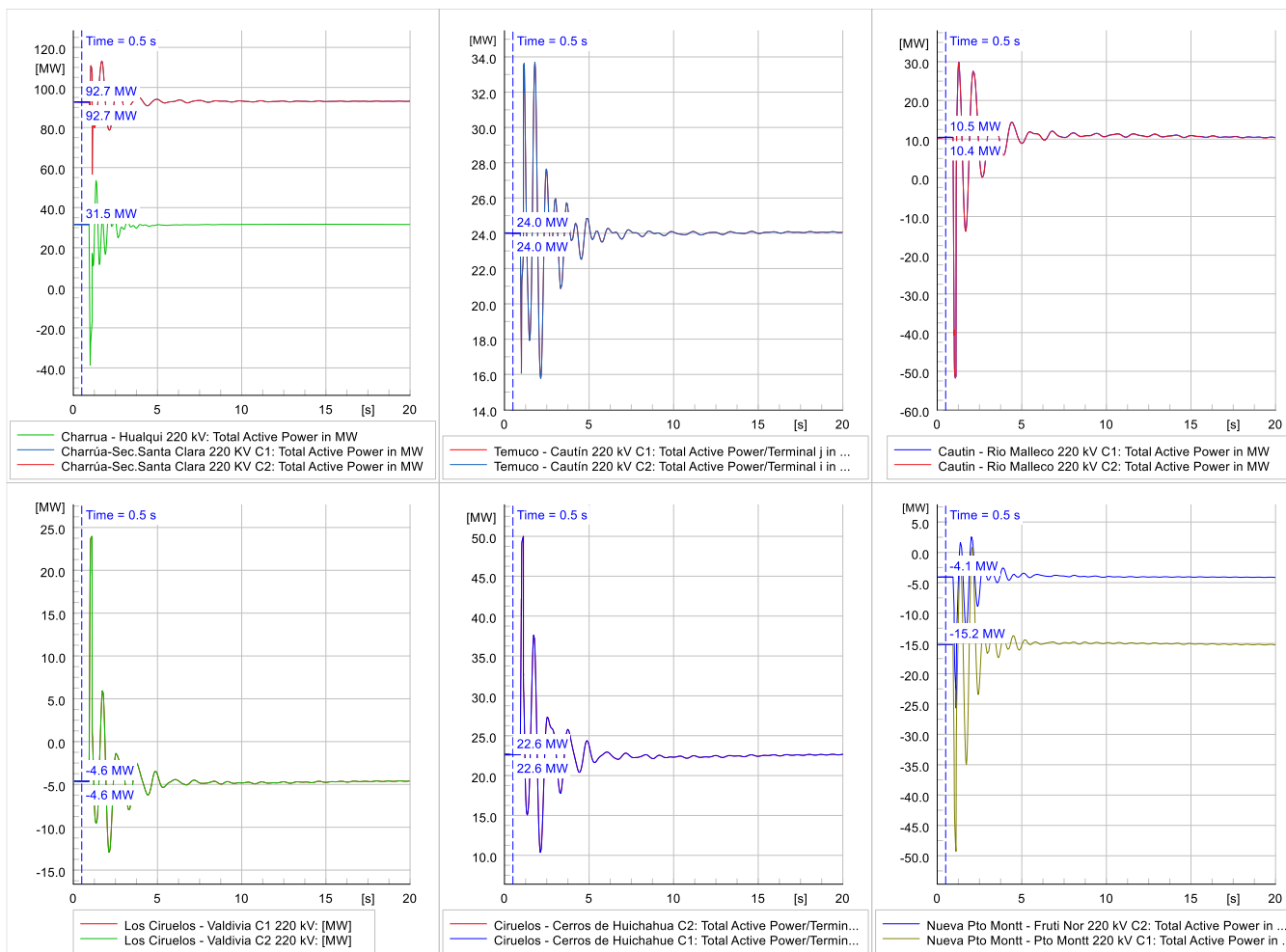




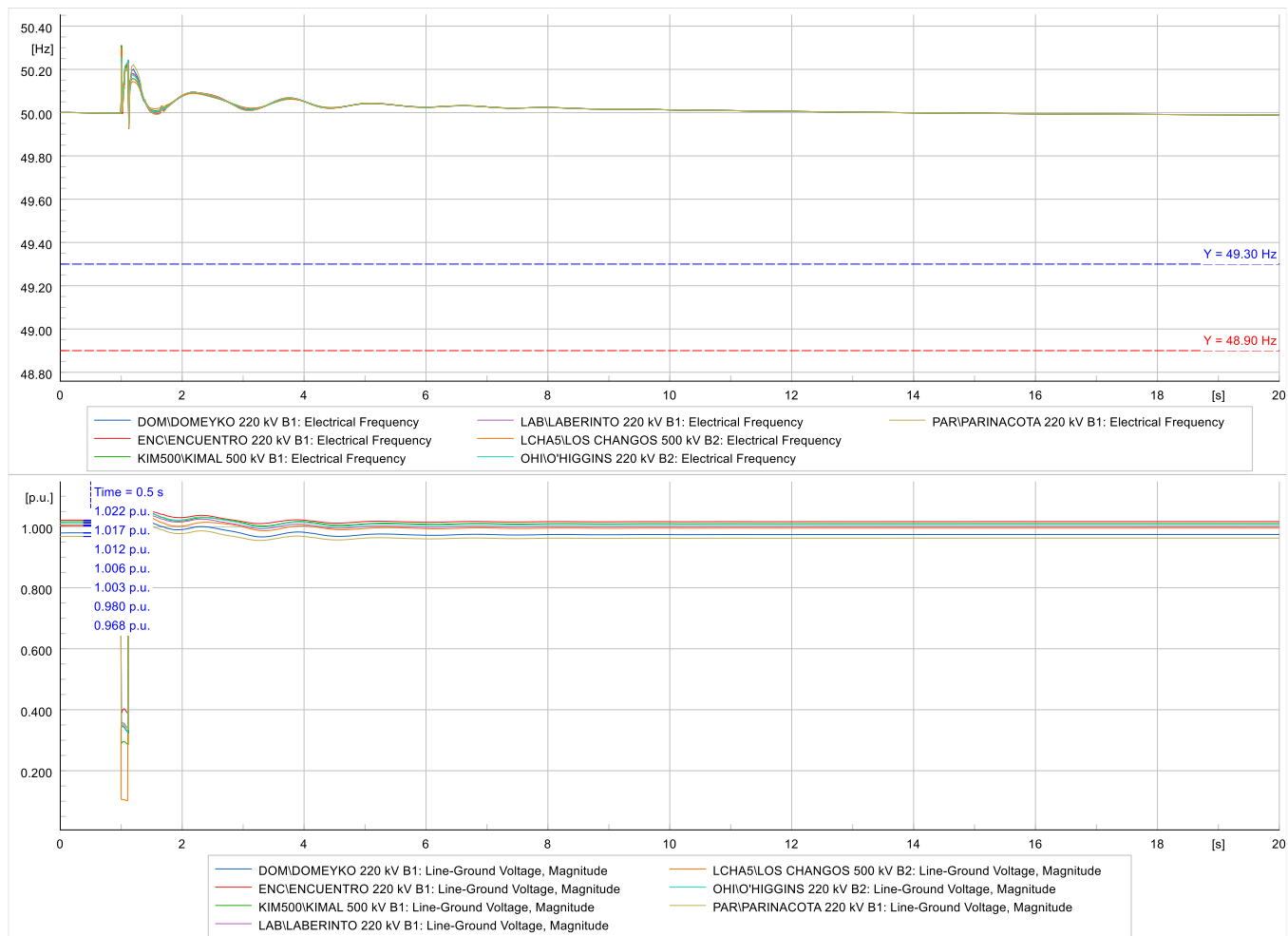


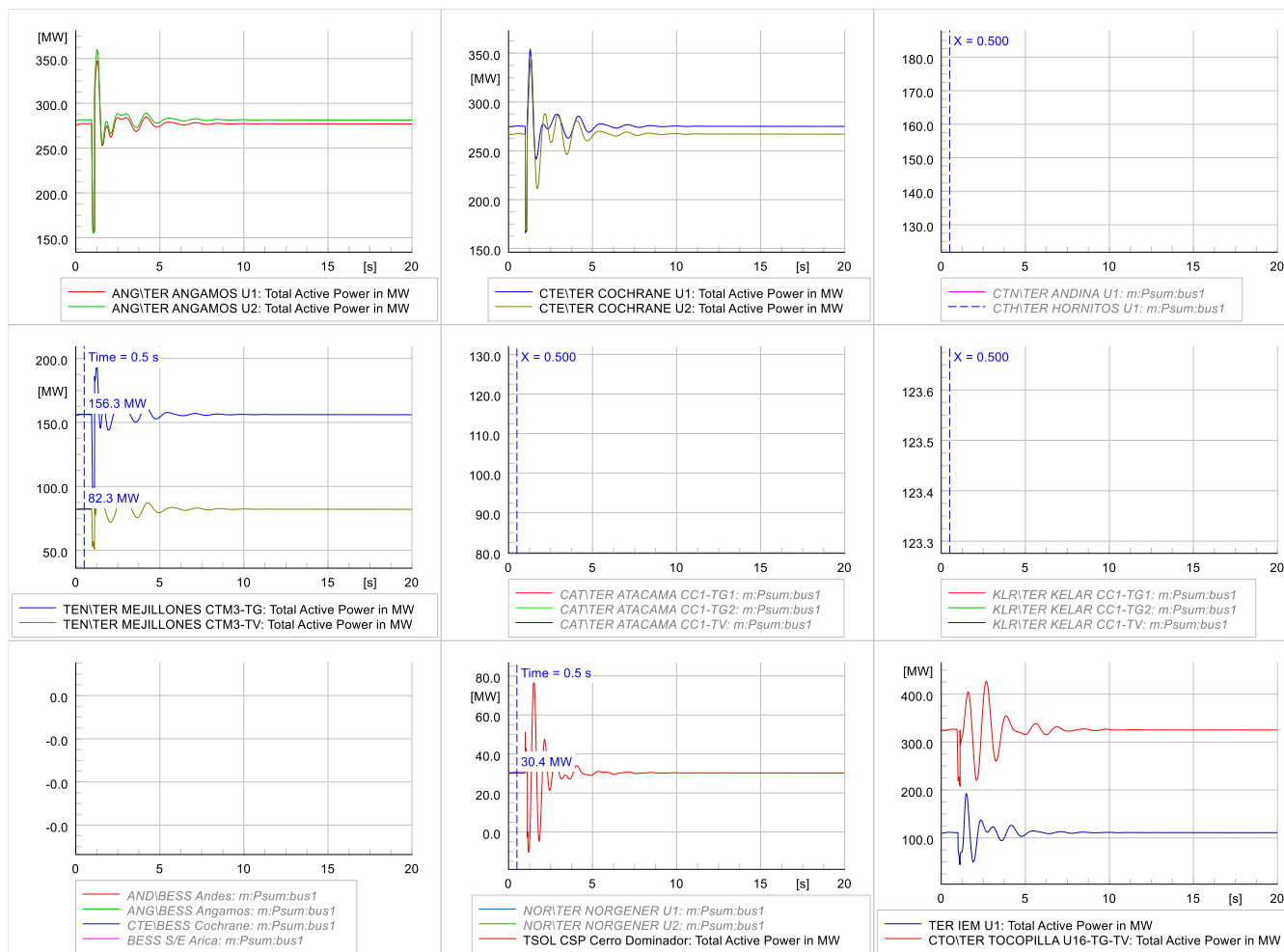


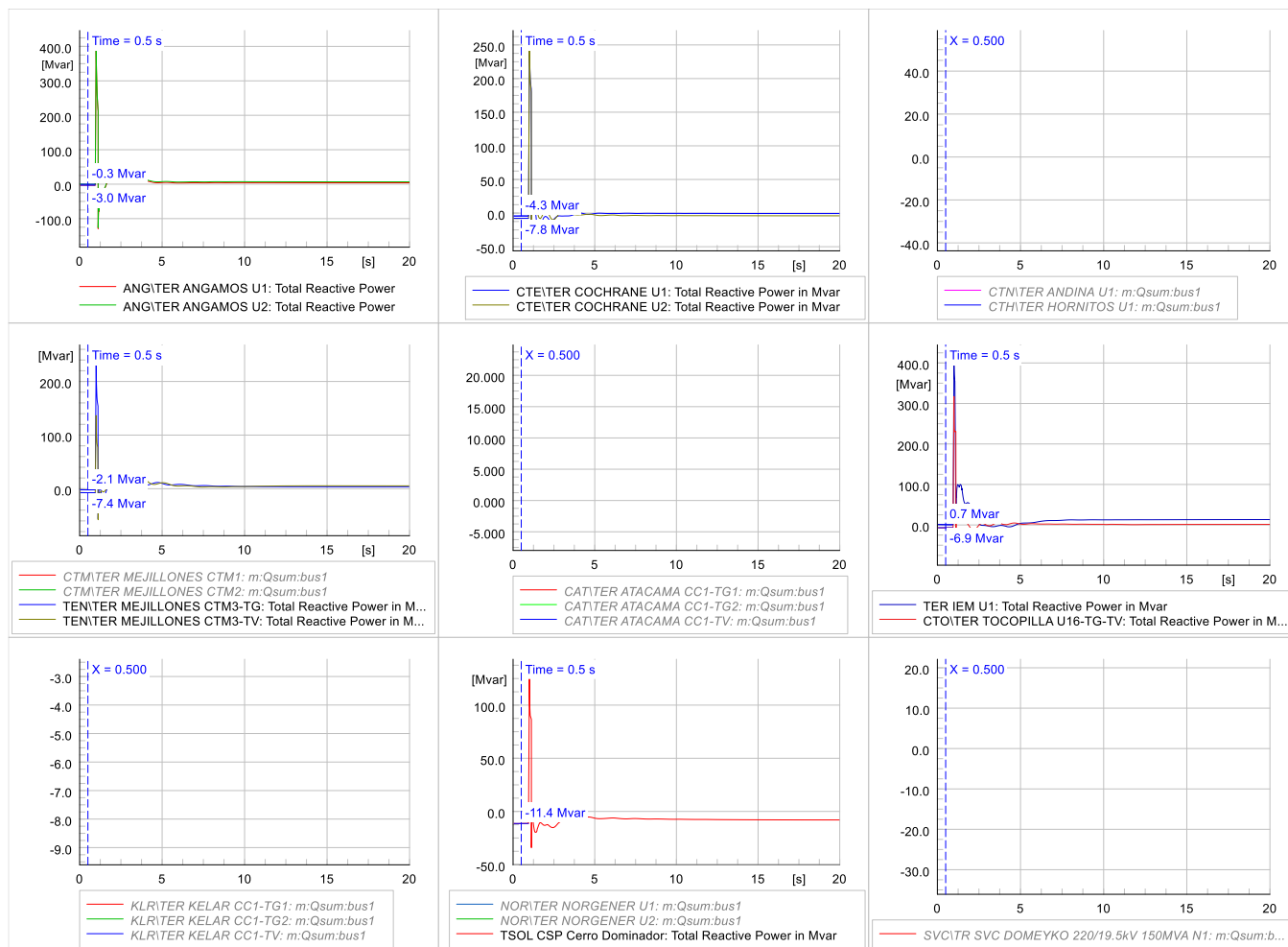


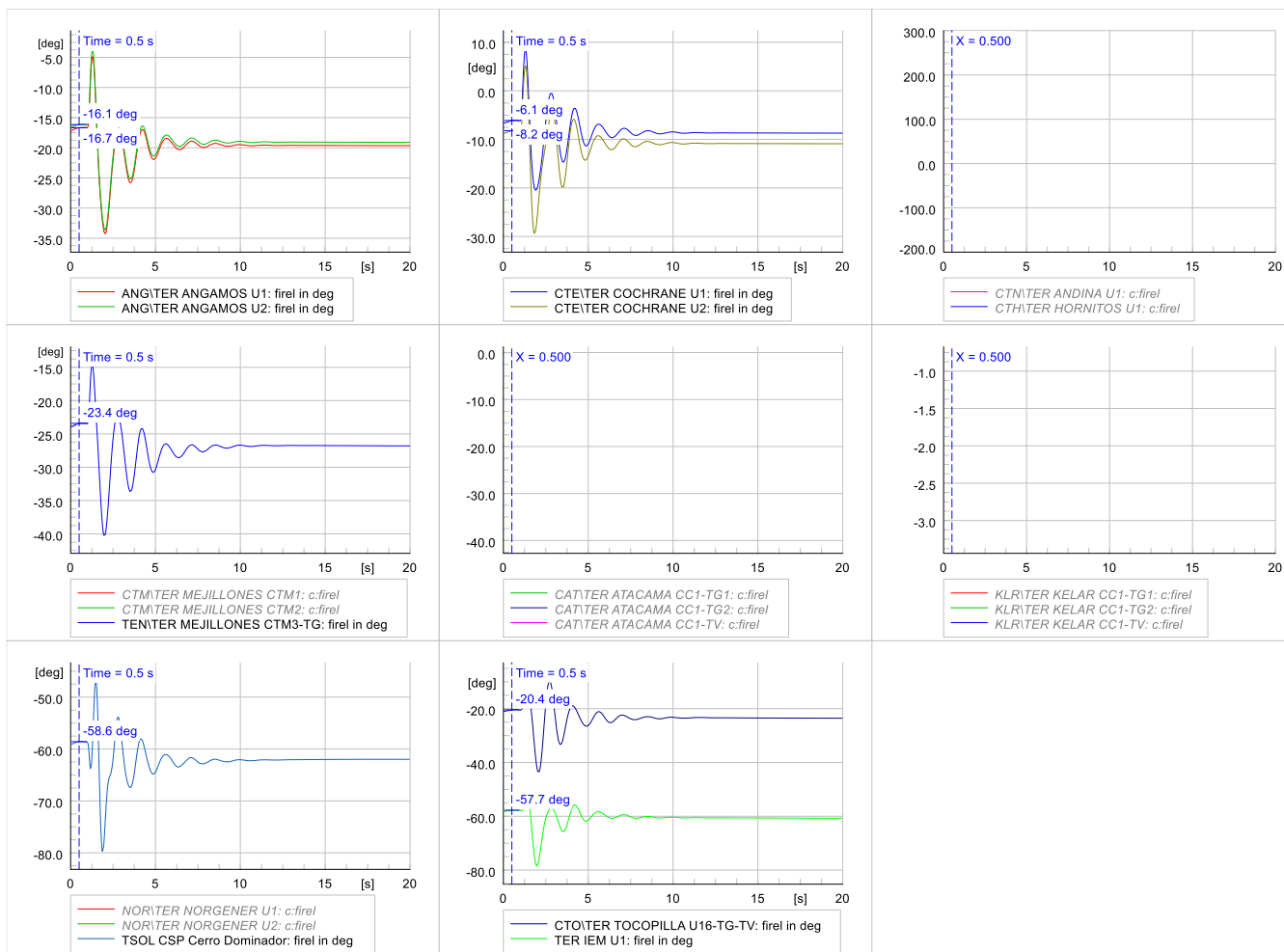


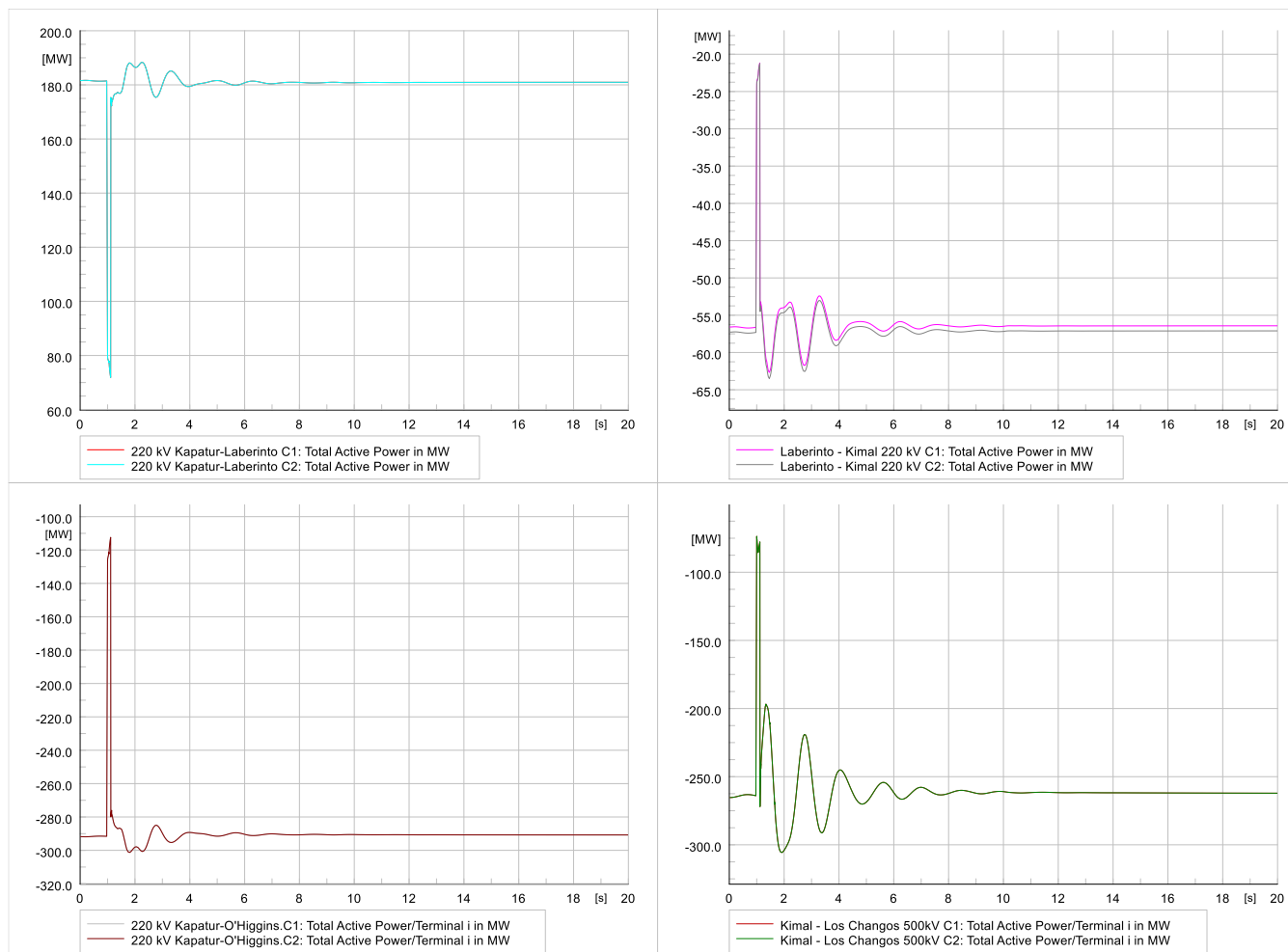
17.10E4 2024_12_09 DB 5 Hrs.- Los Chagos - Parinas 500kV

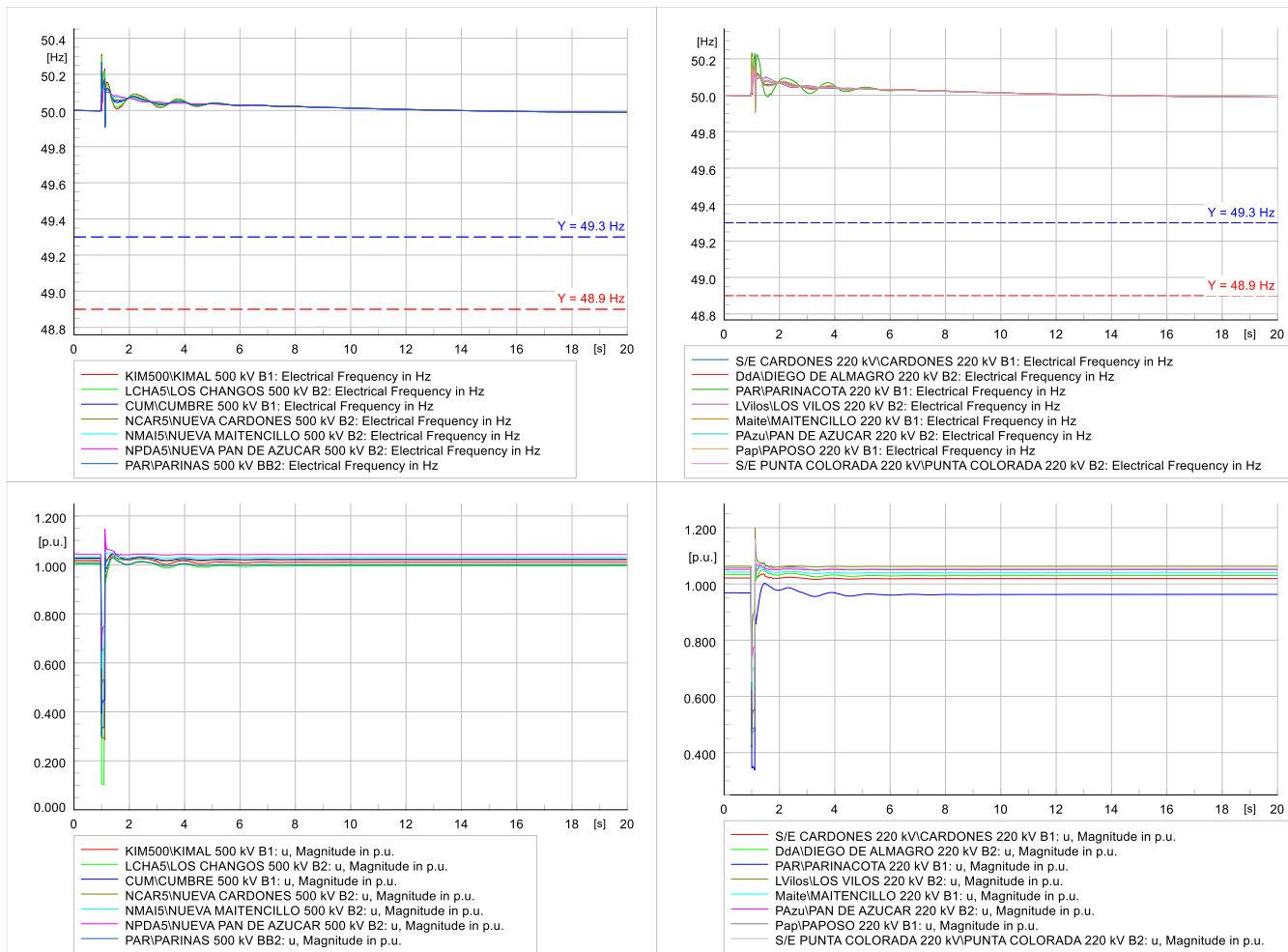


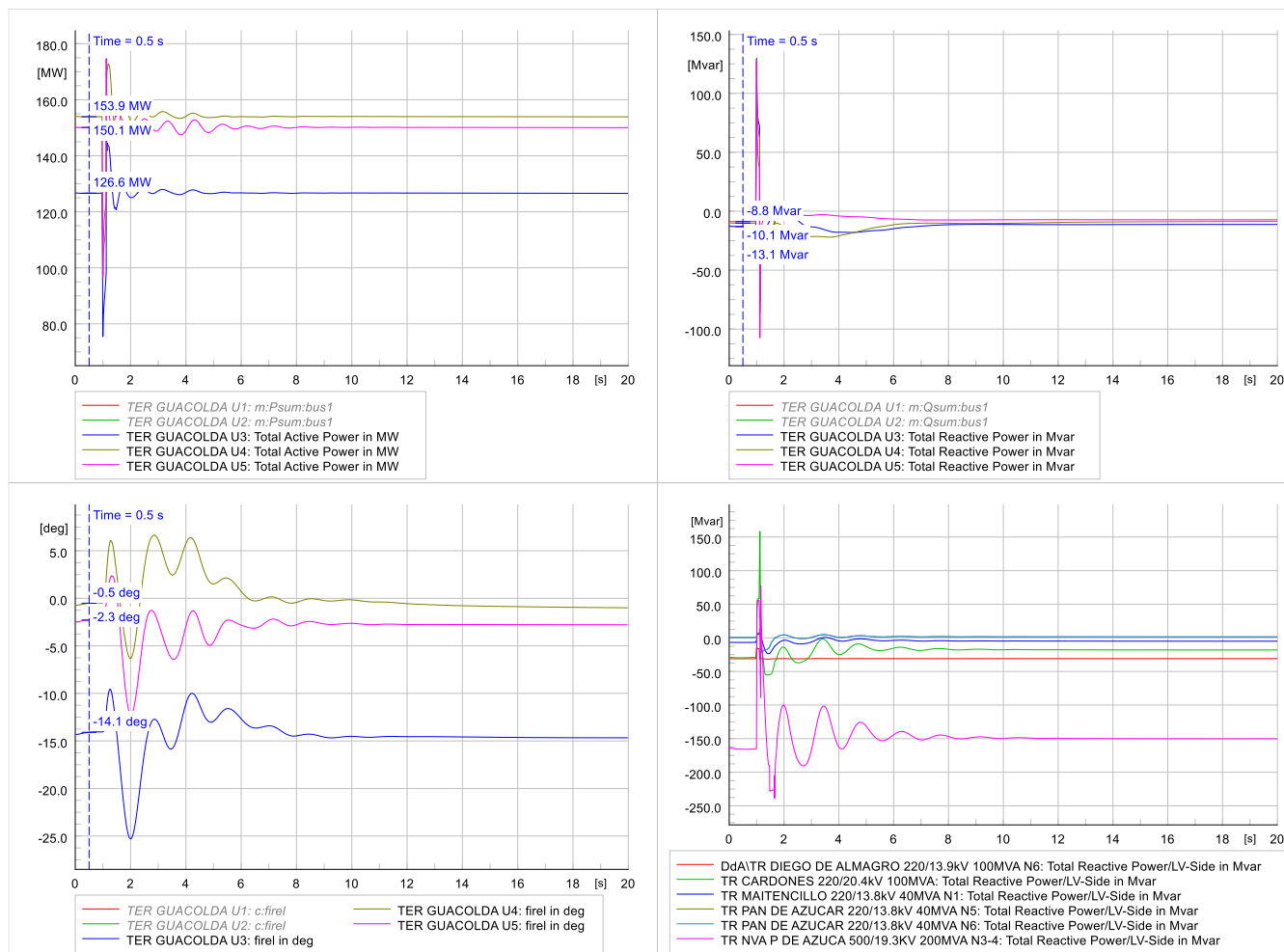


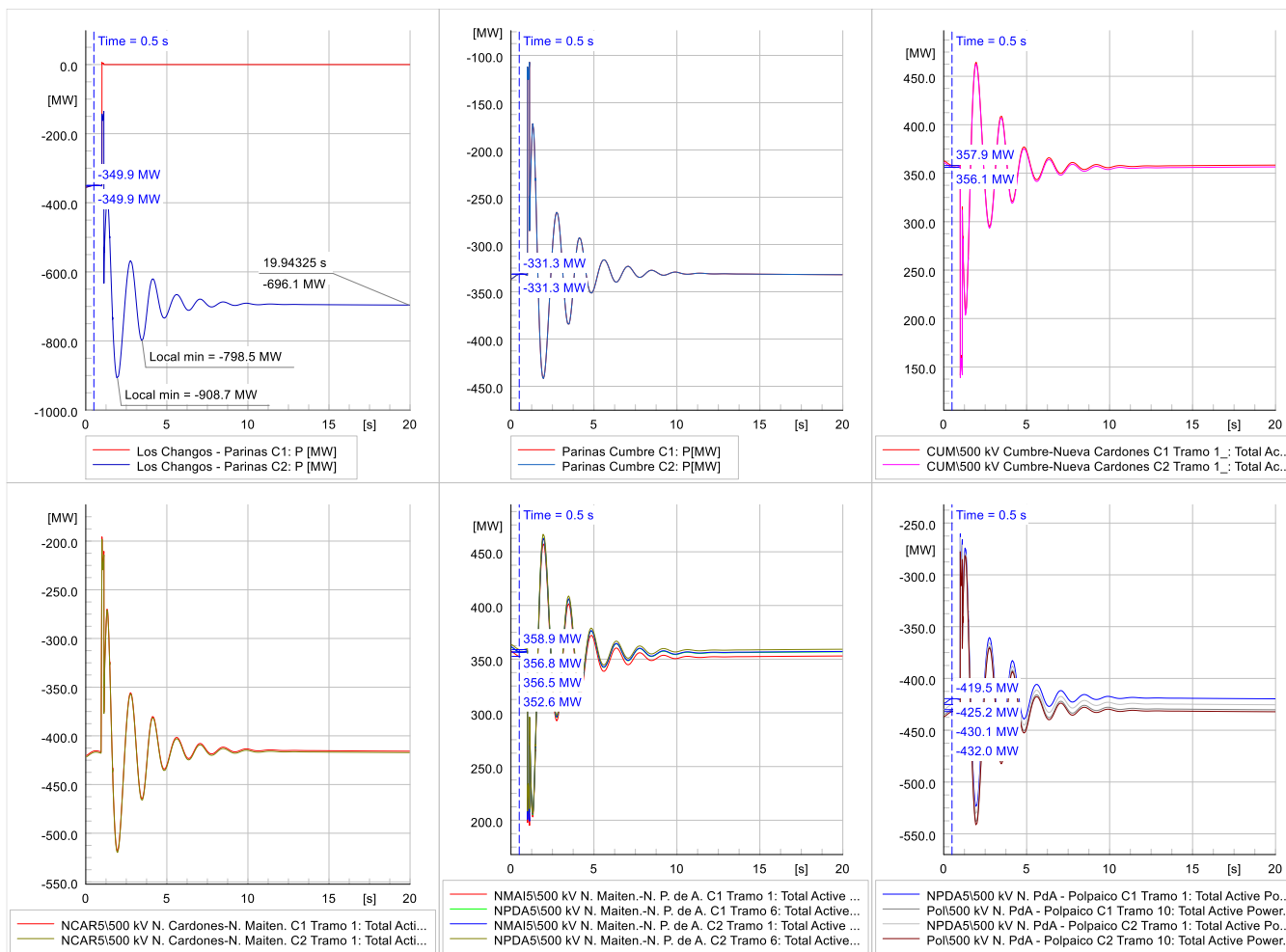


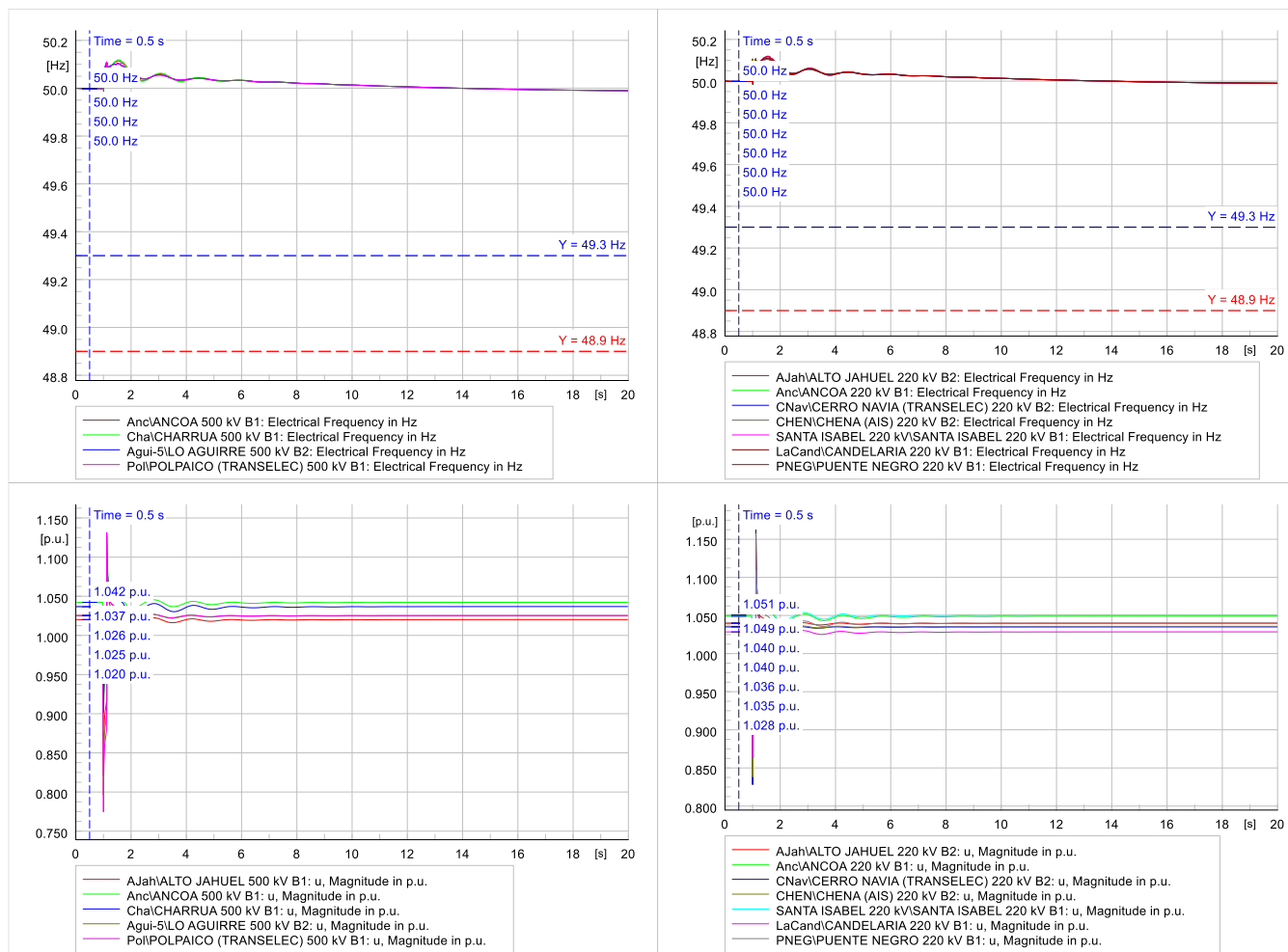


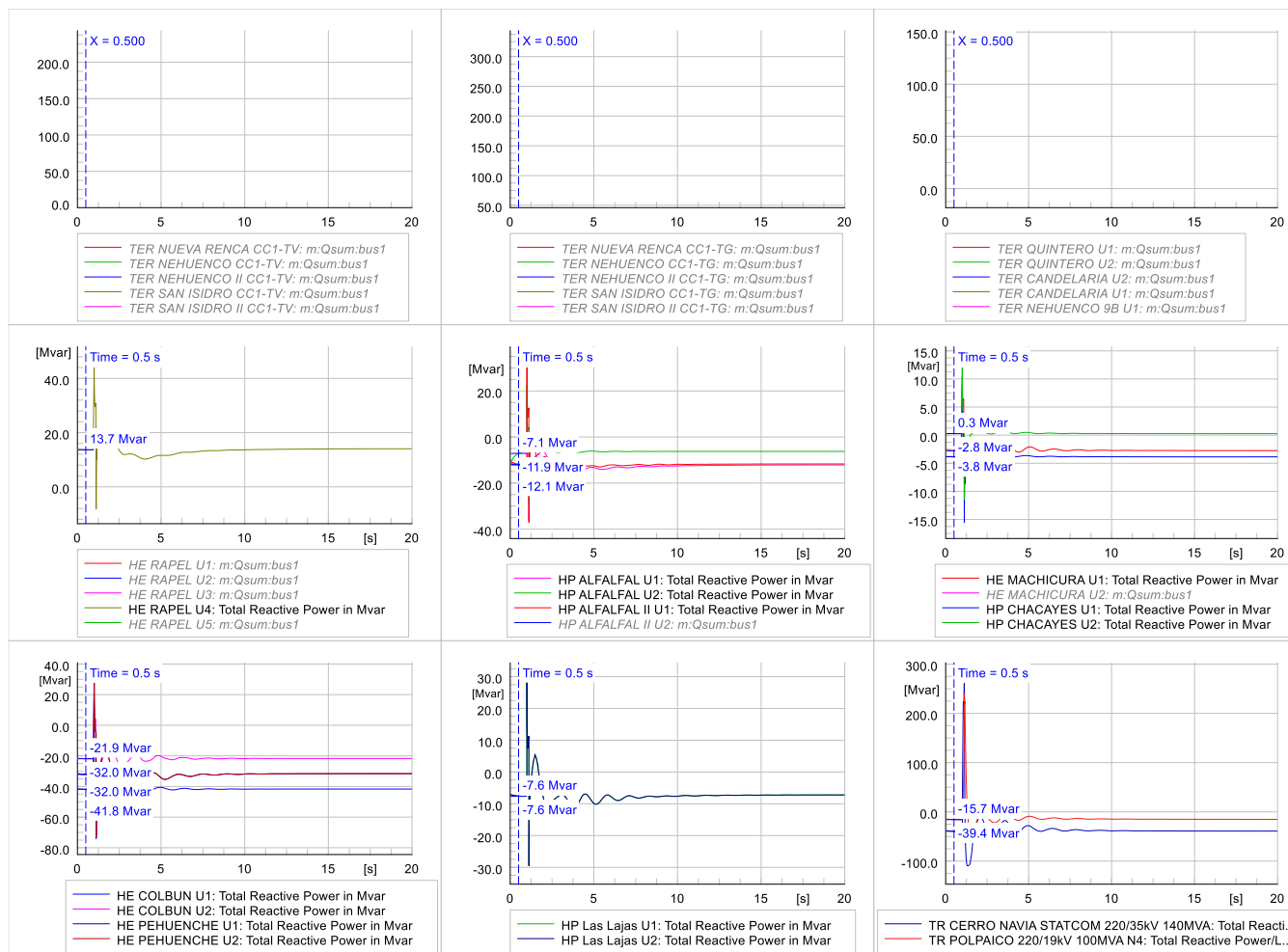


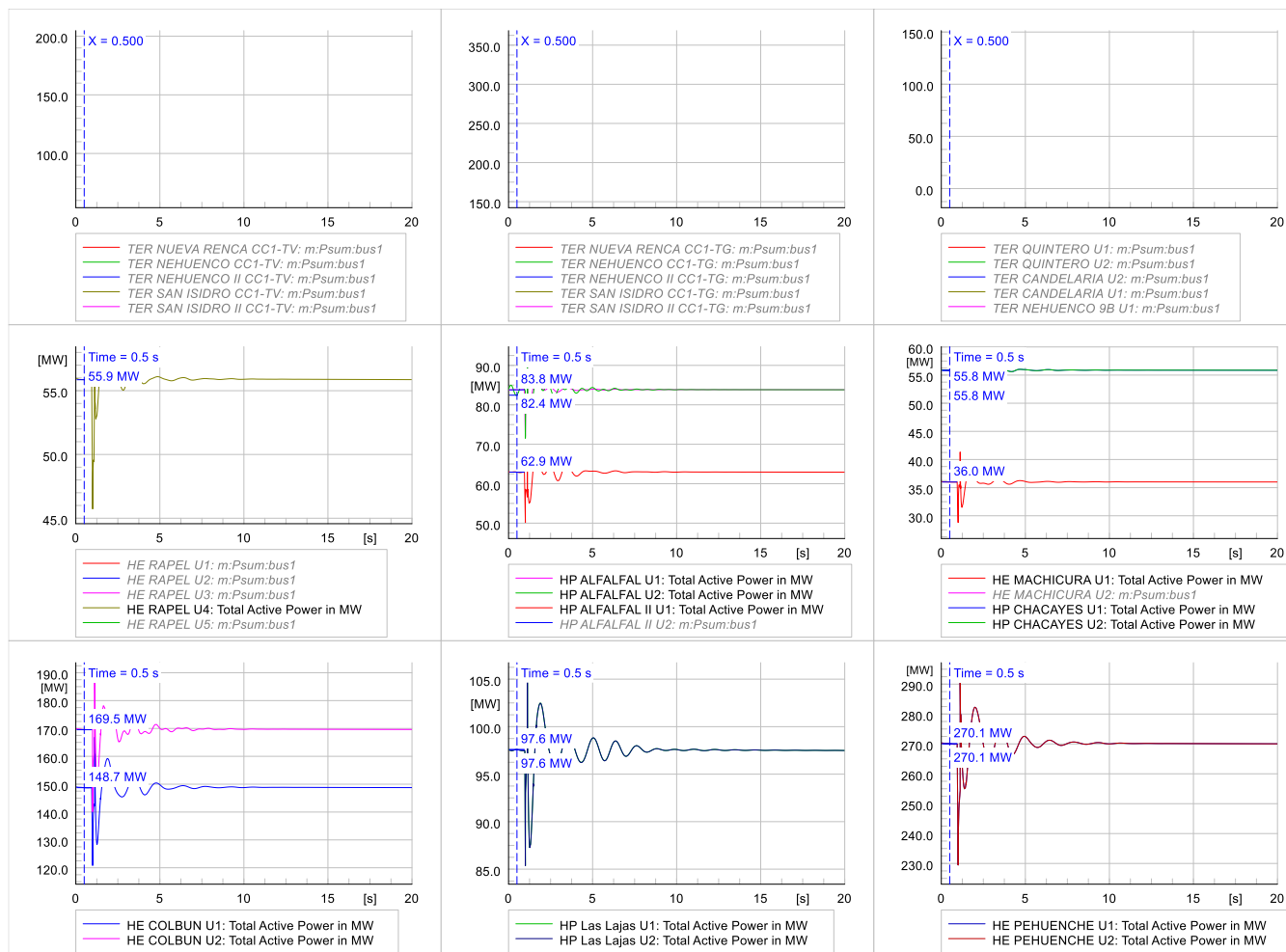


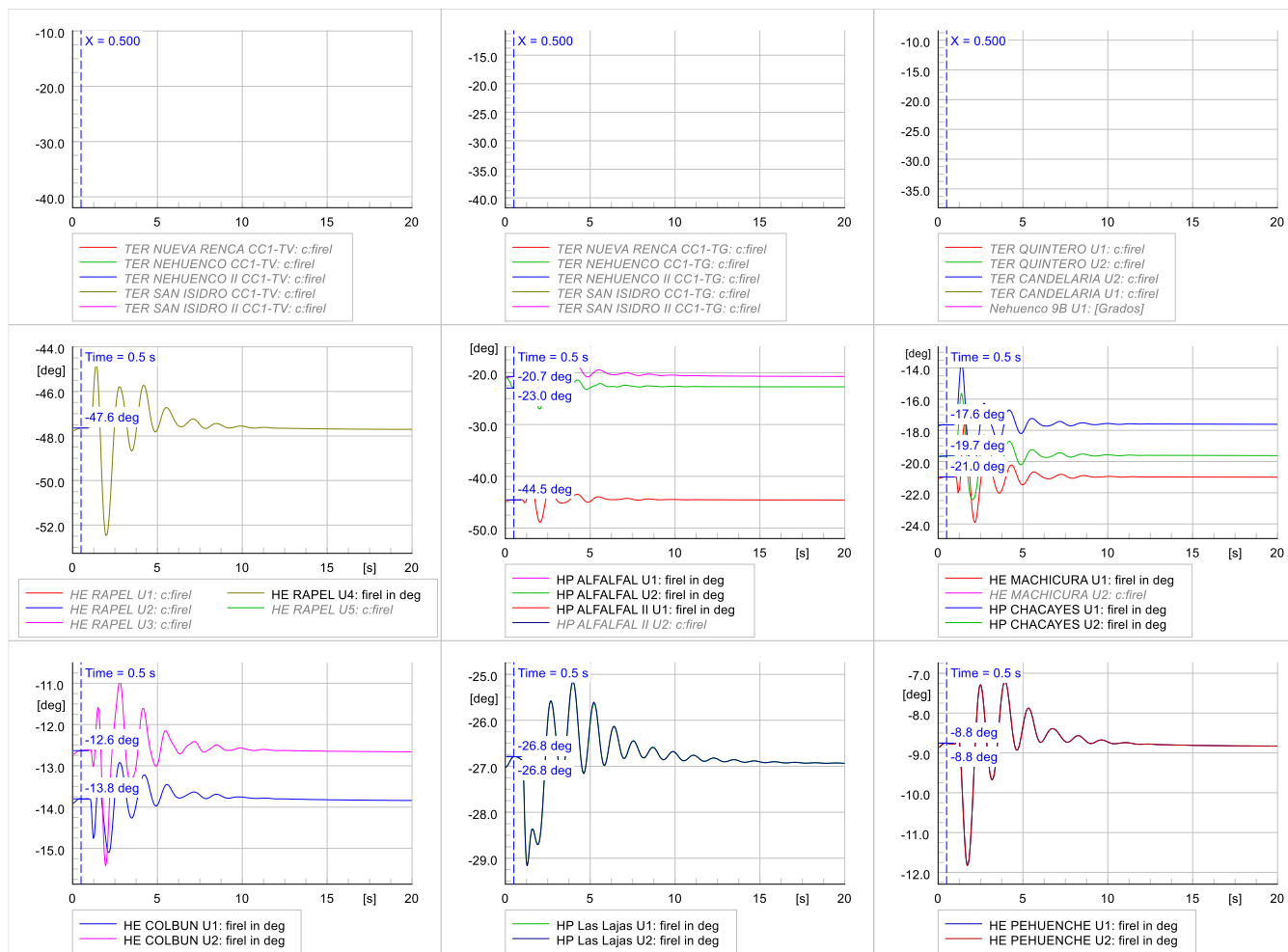


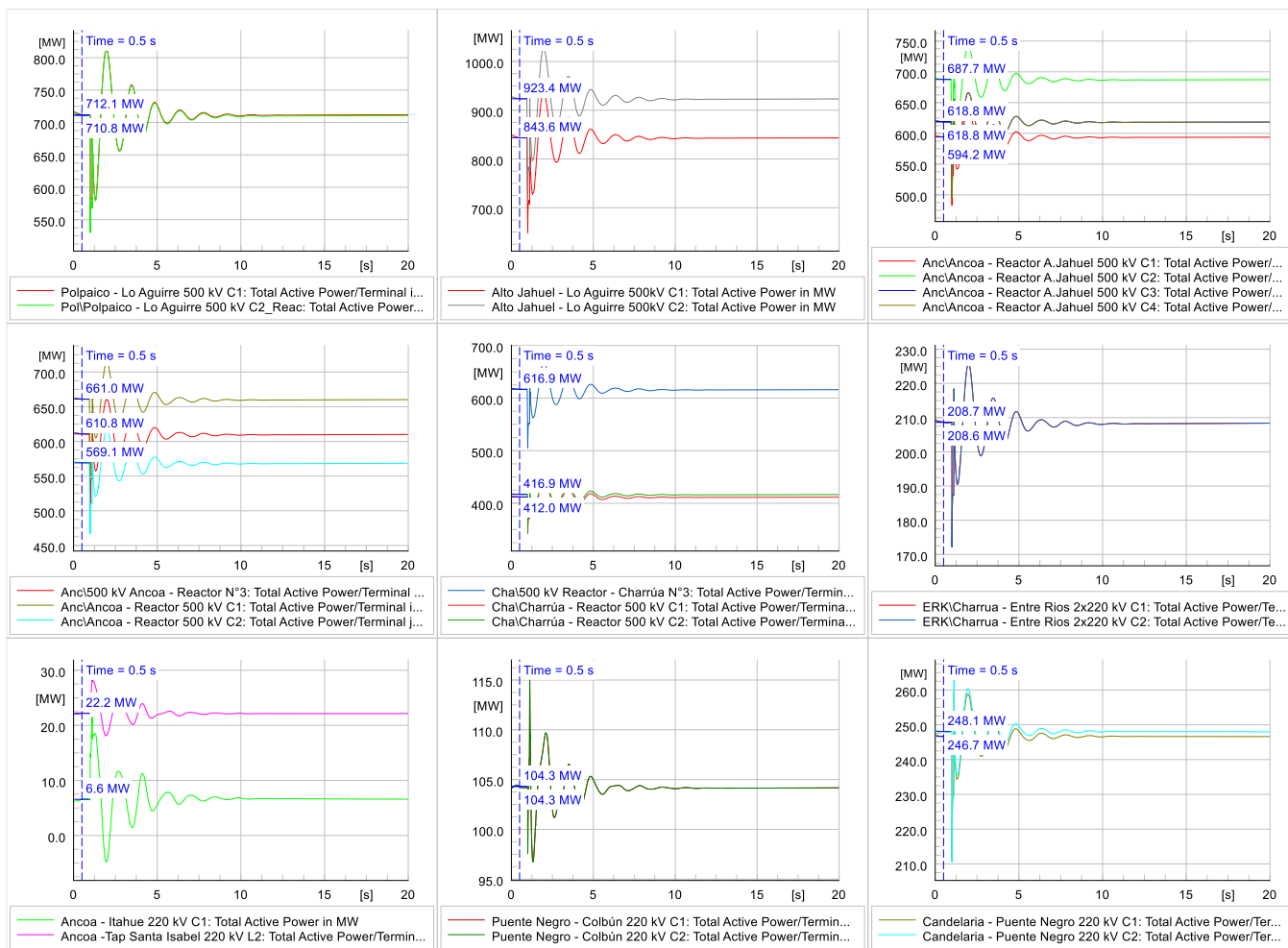


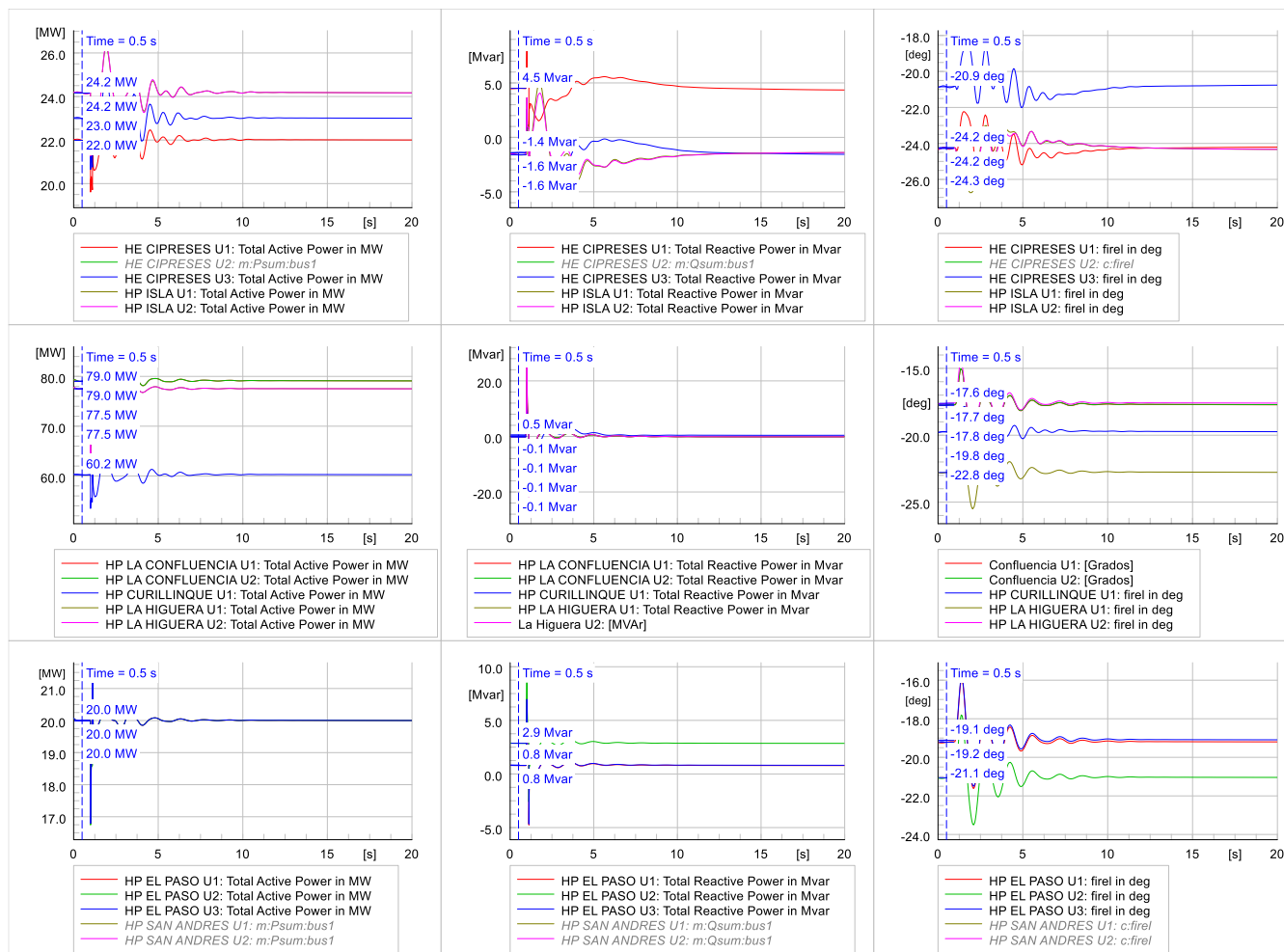


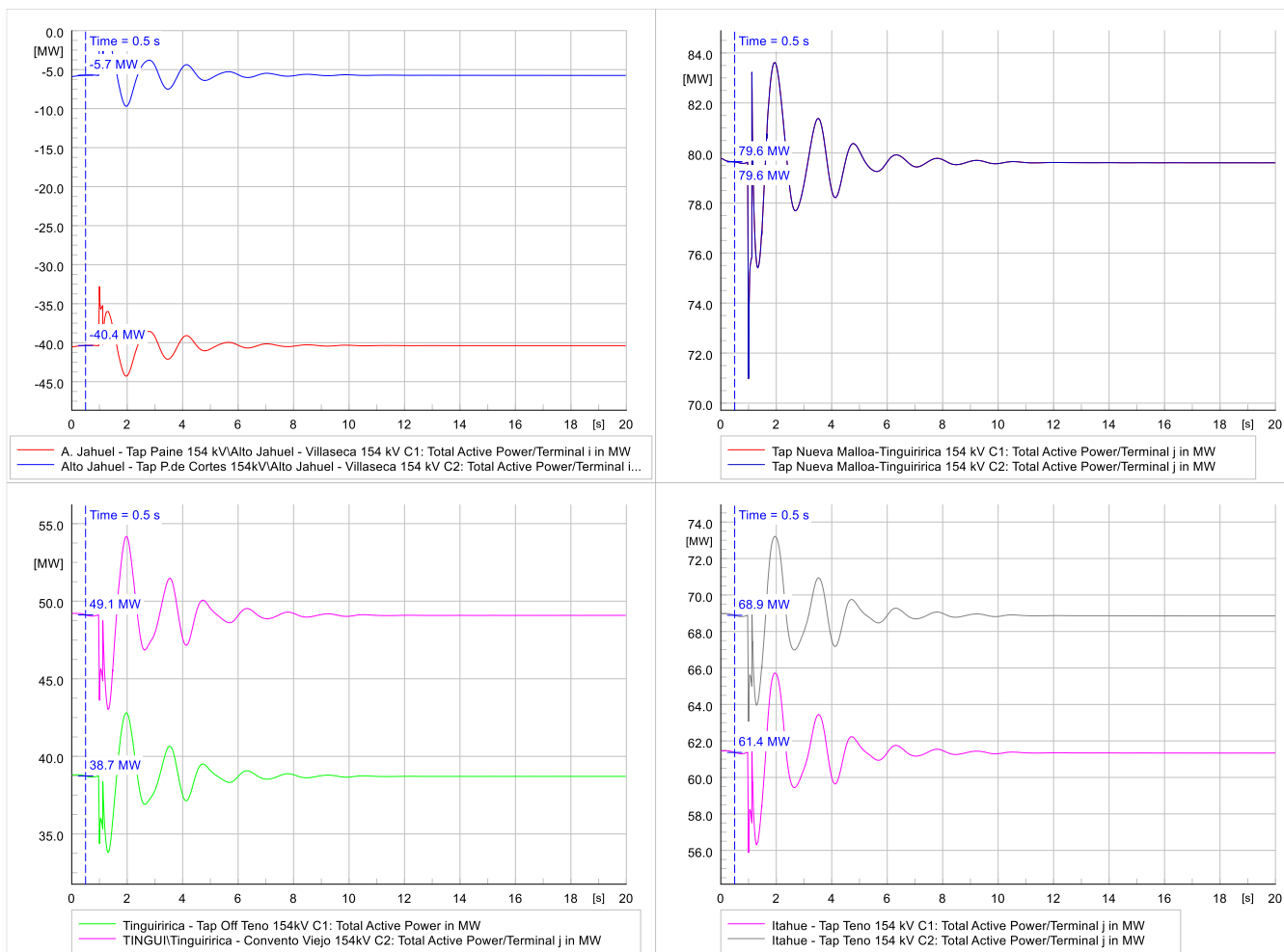


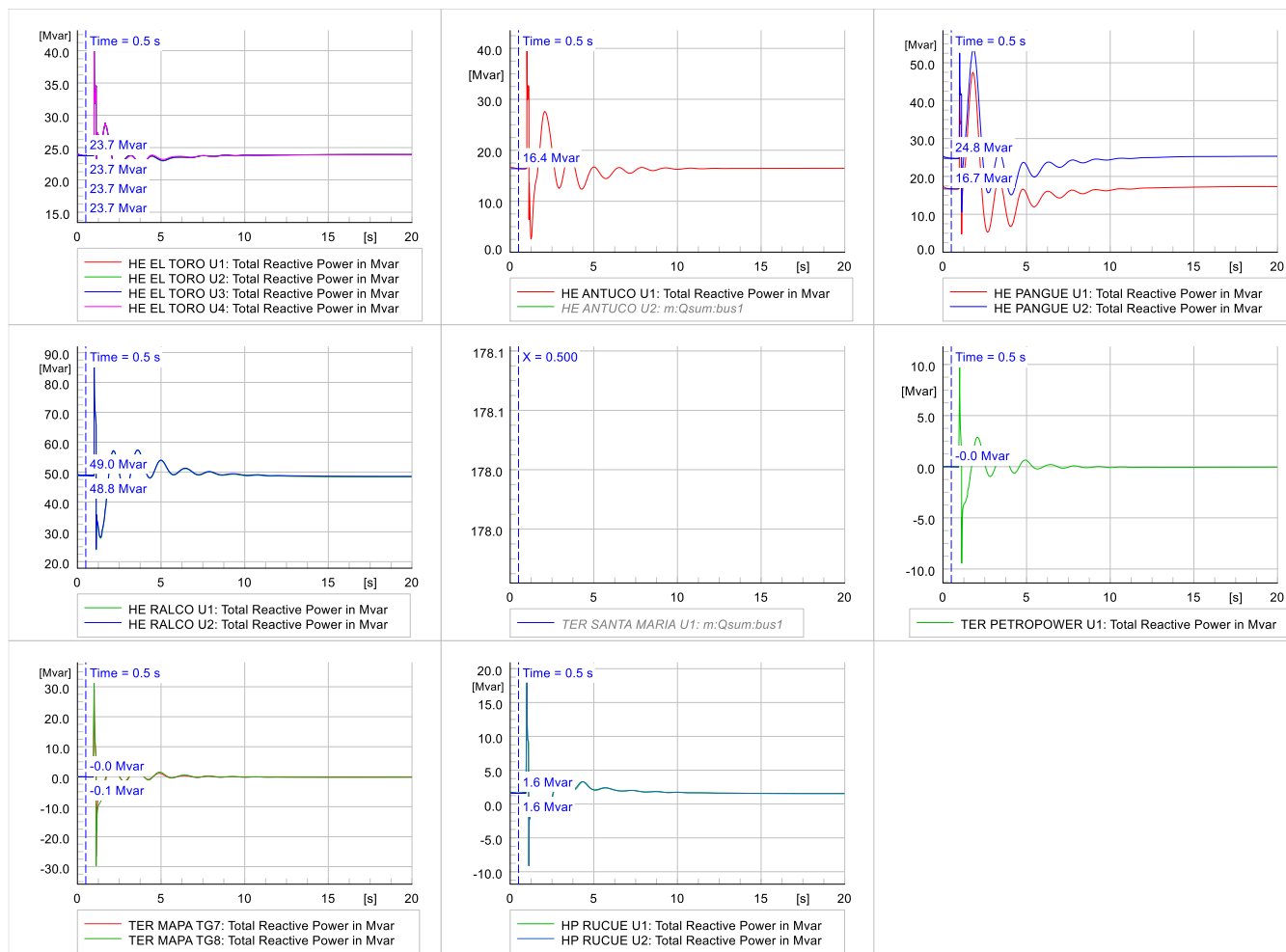


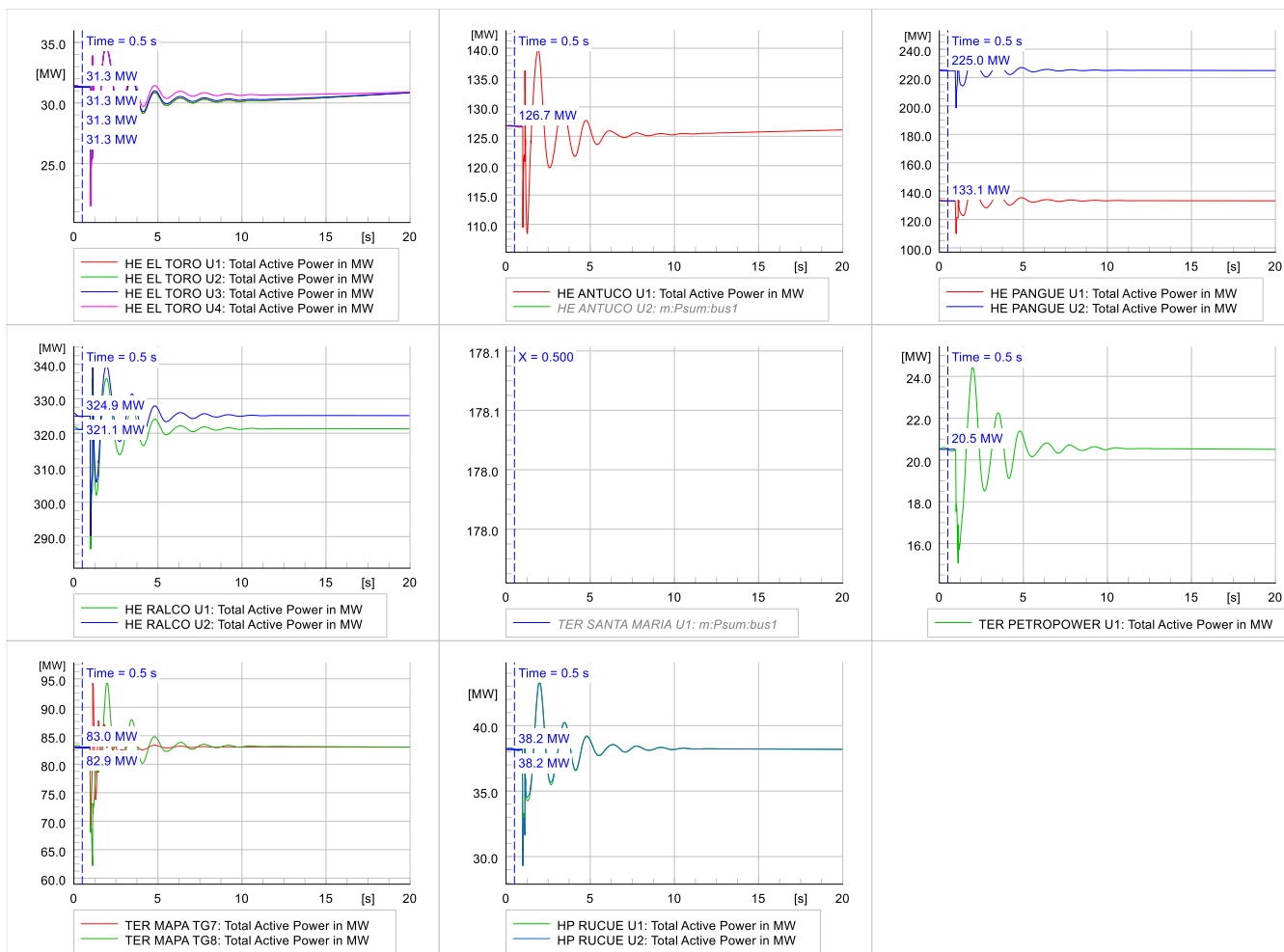


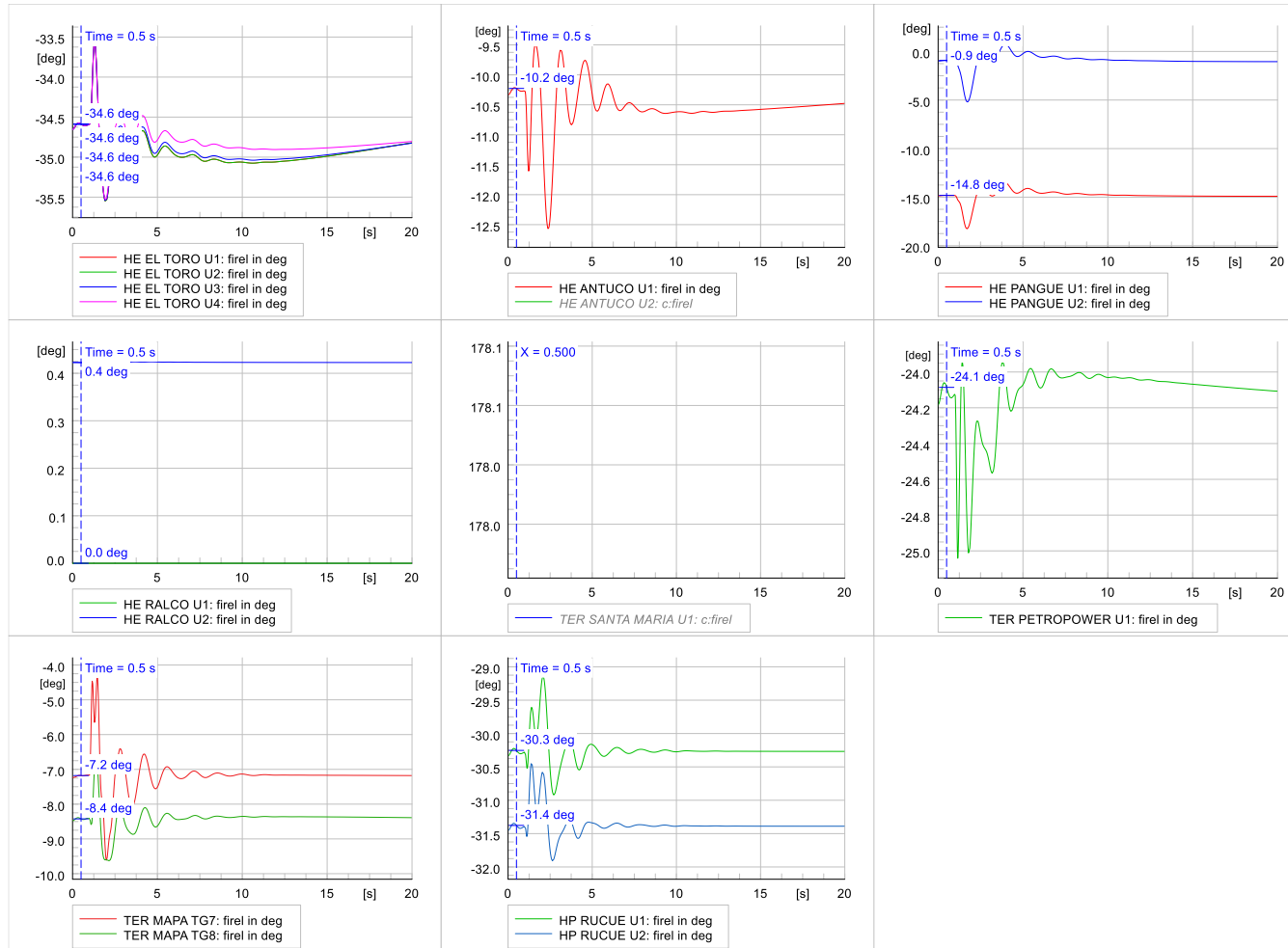


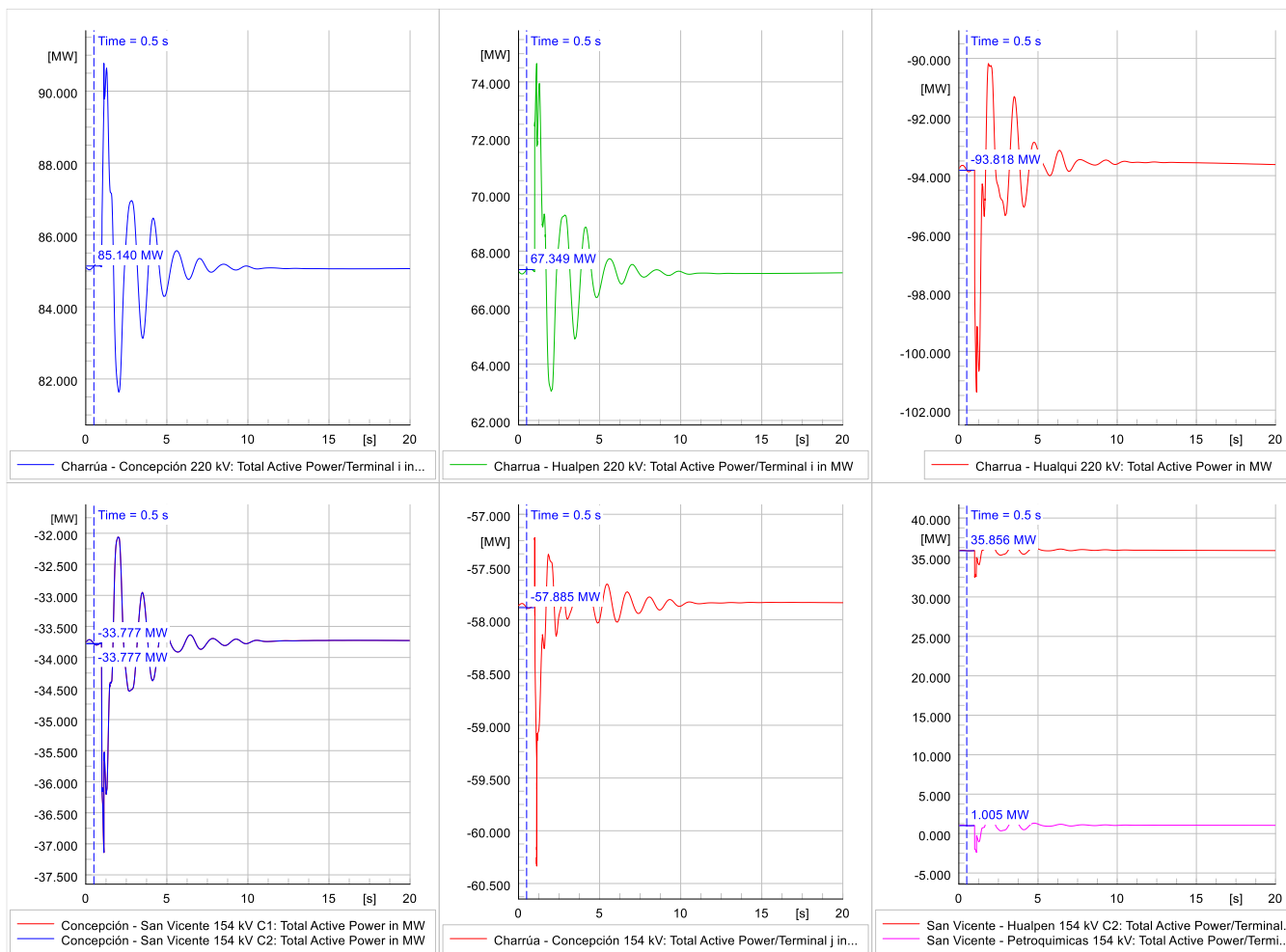


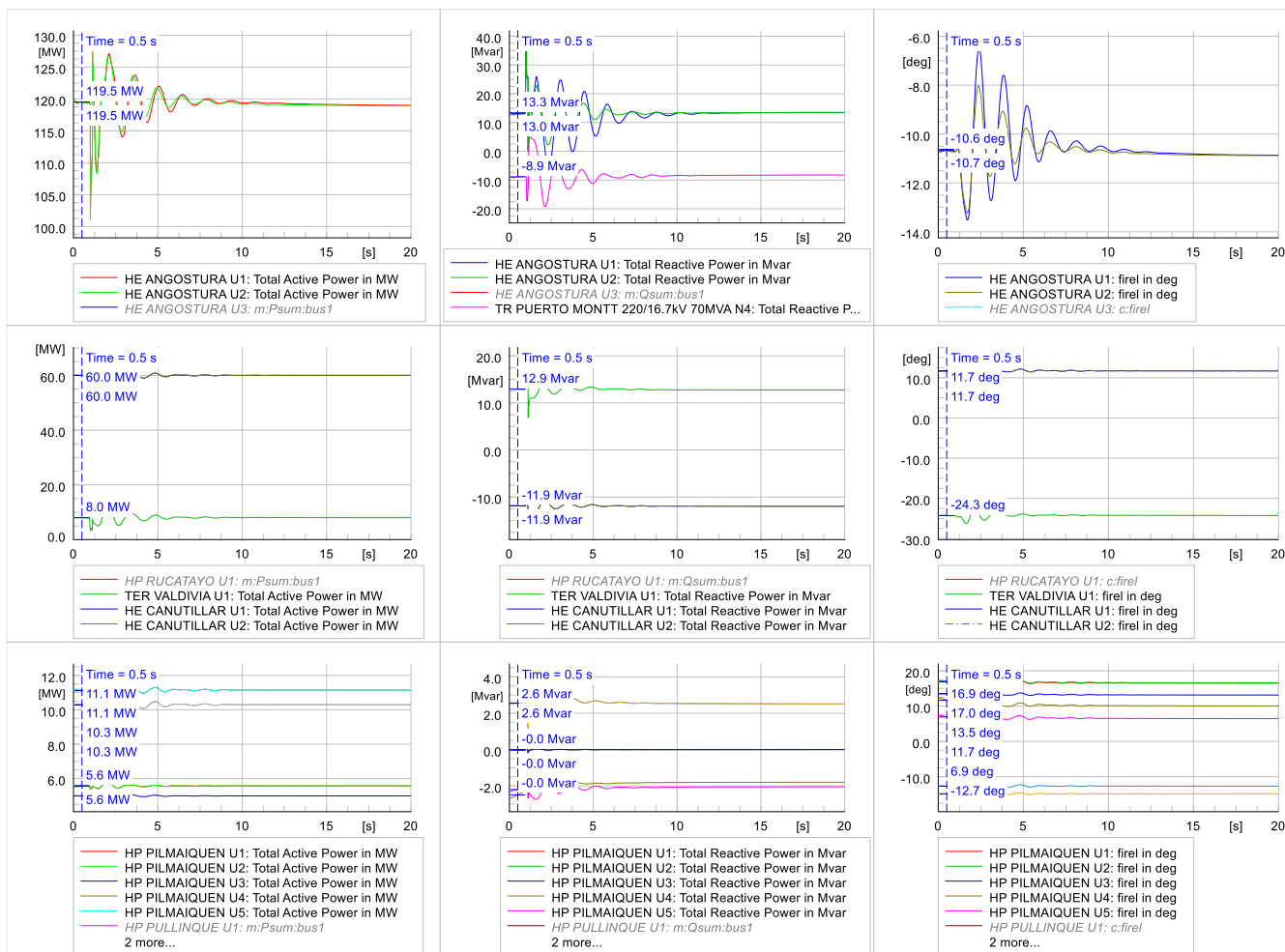


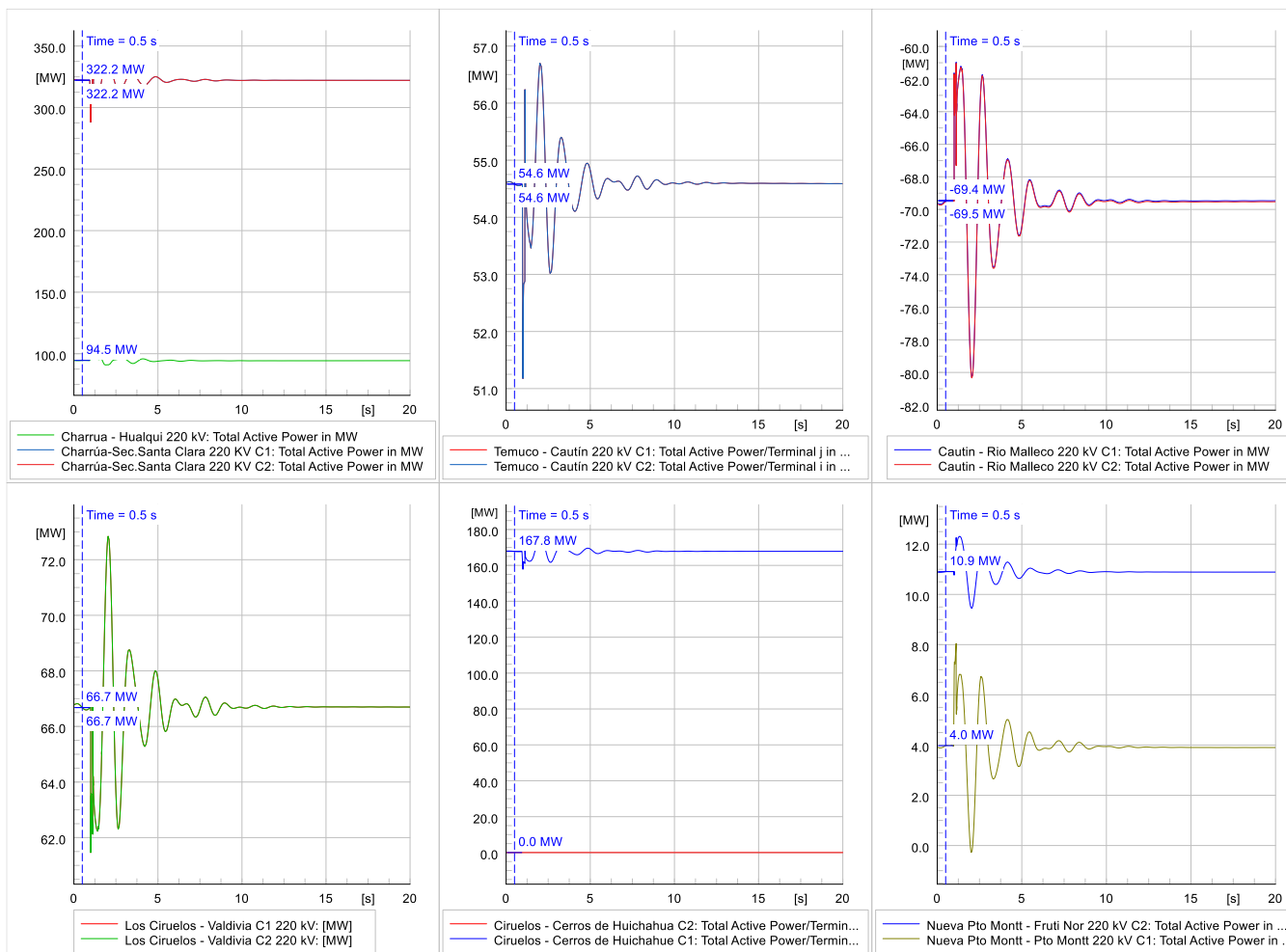




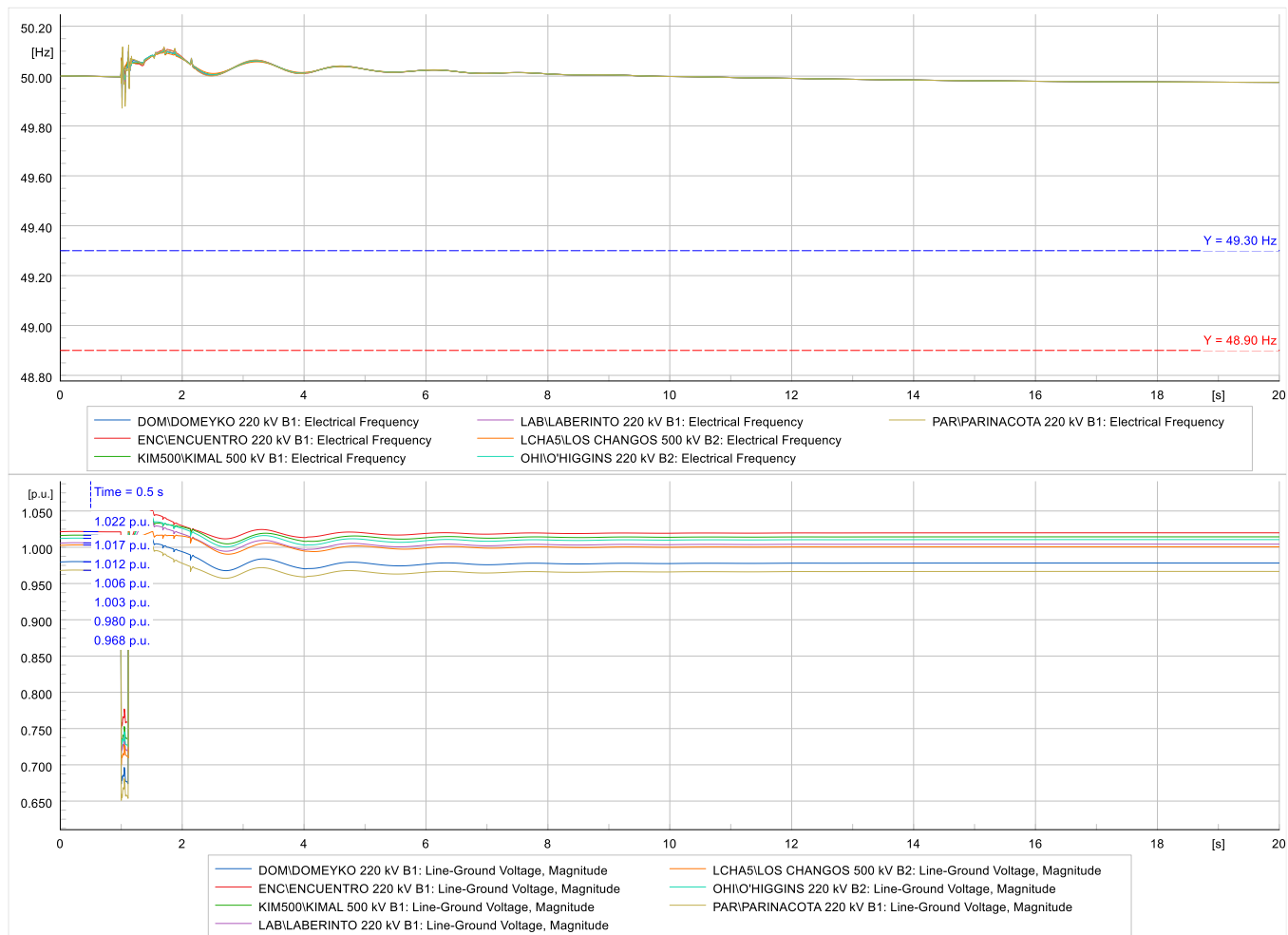


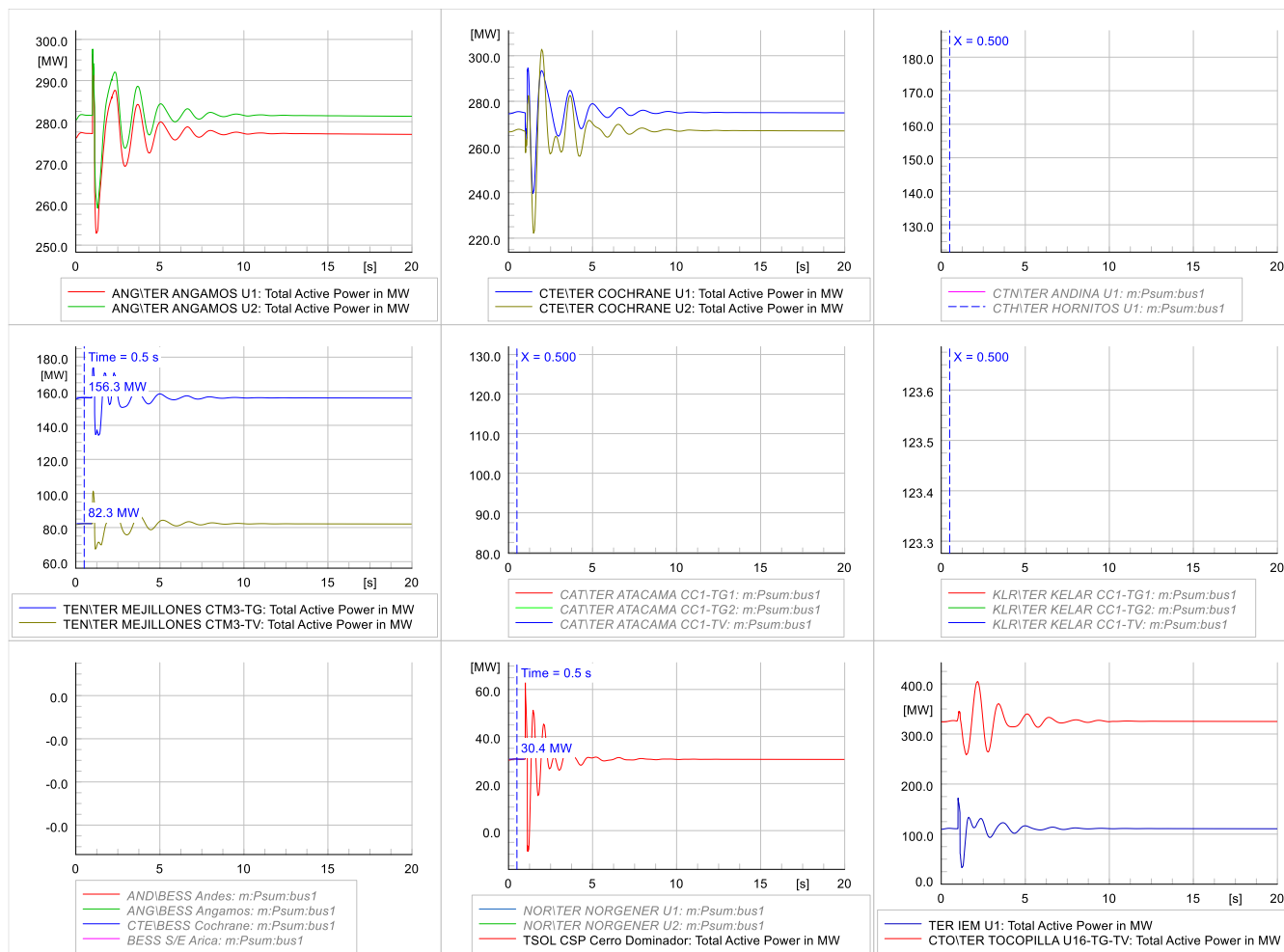


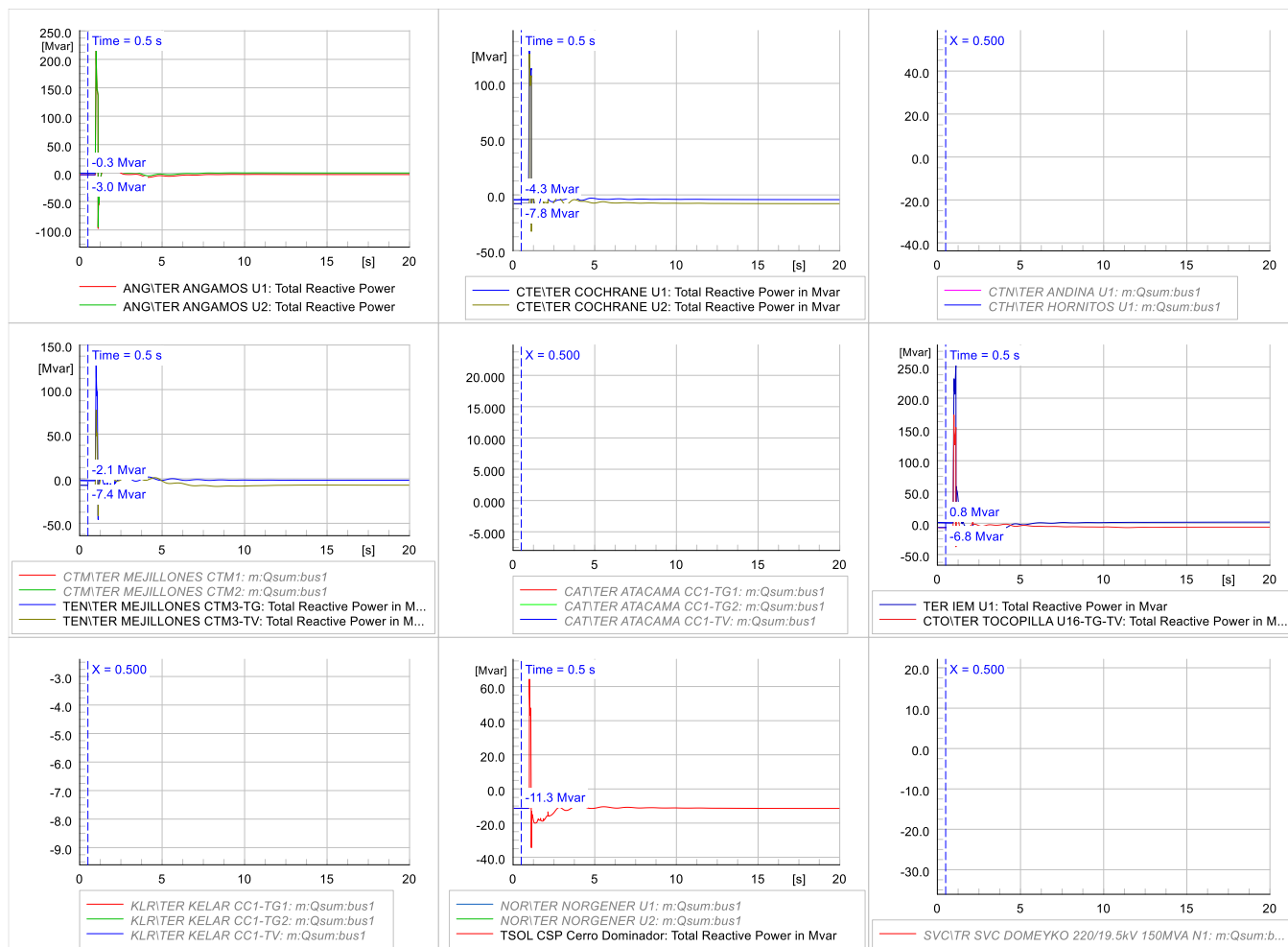


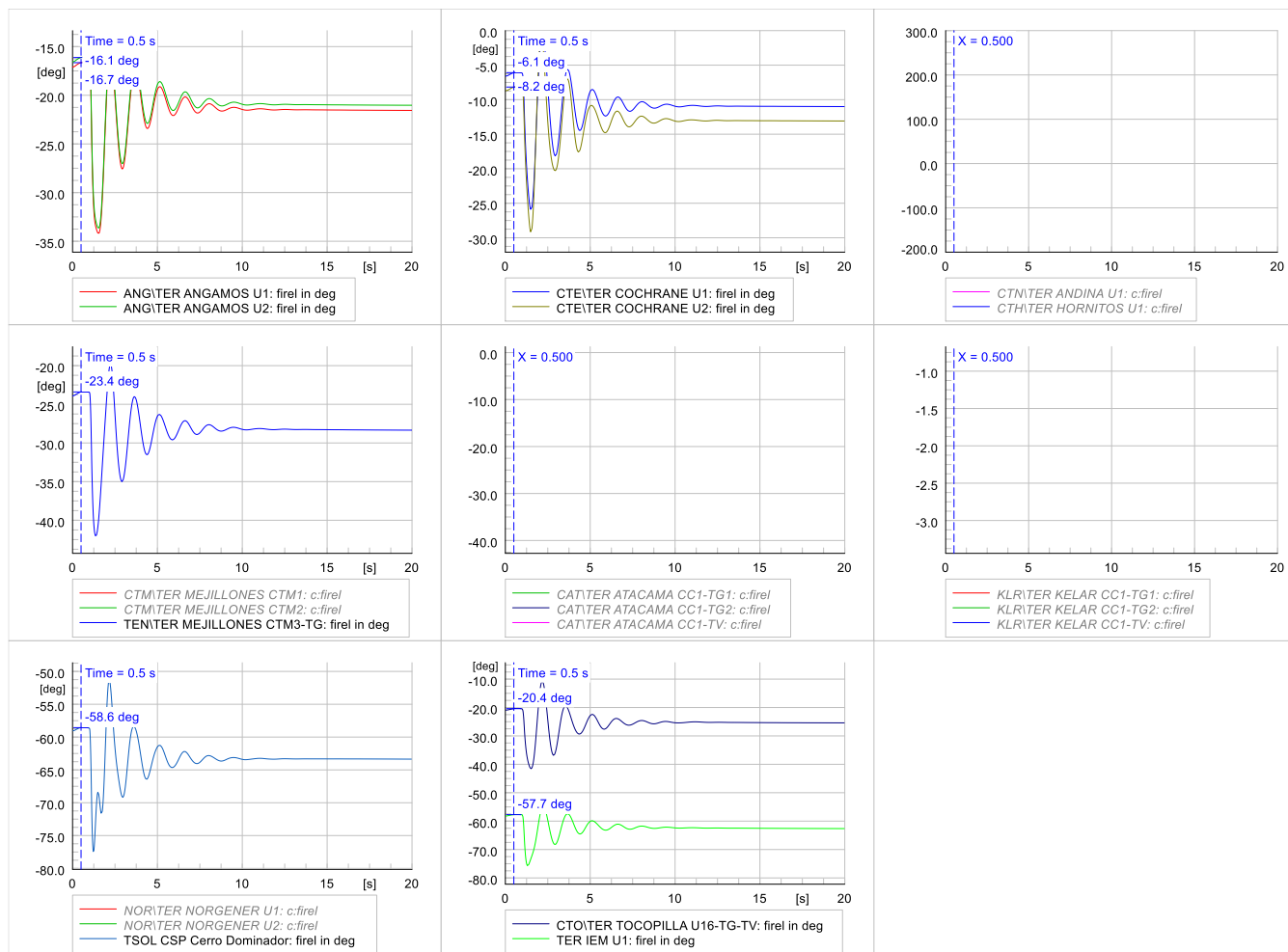


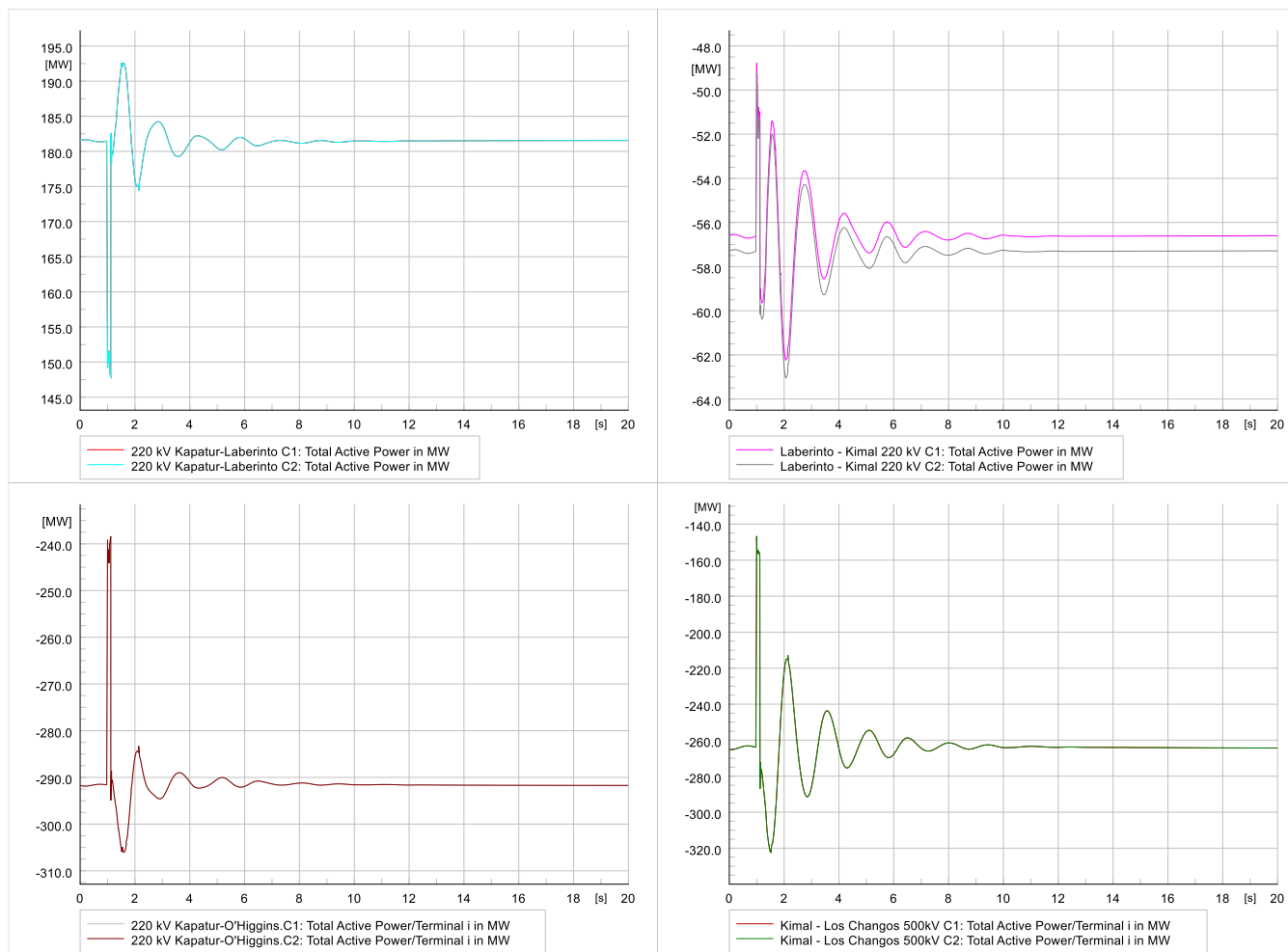
17.11 E4 2024_12_09 DB 5 Hrs.- Nueva Pan de Azúcar - Polpaico 500kV

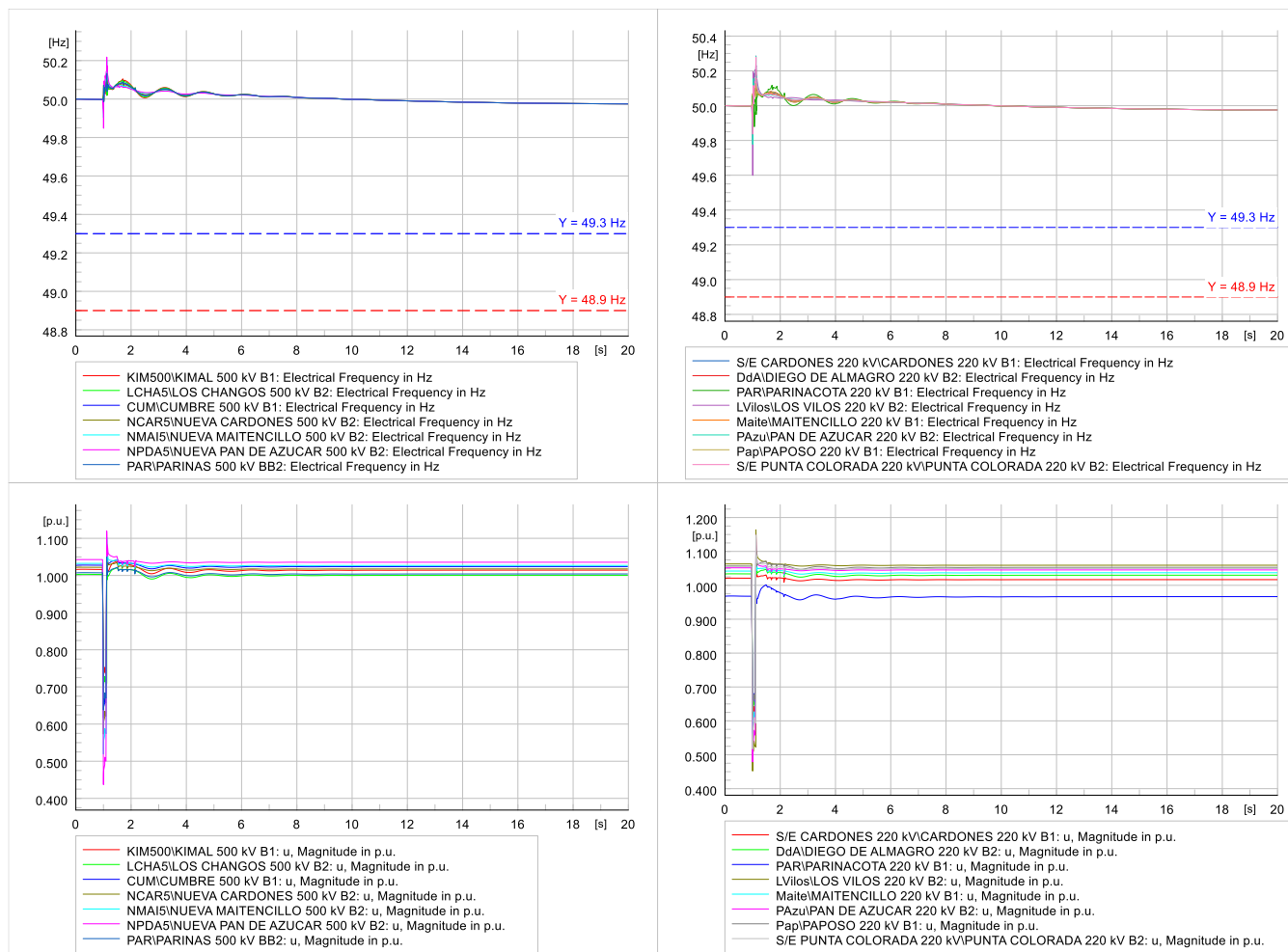


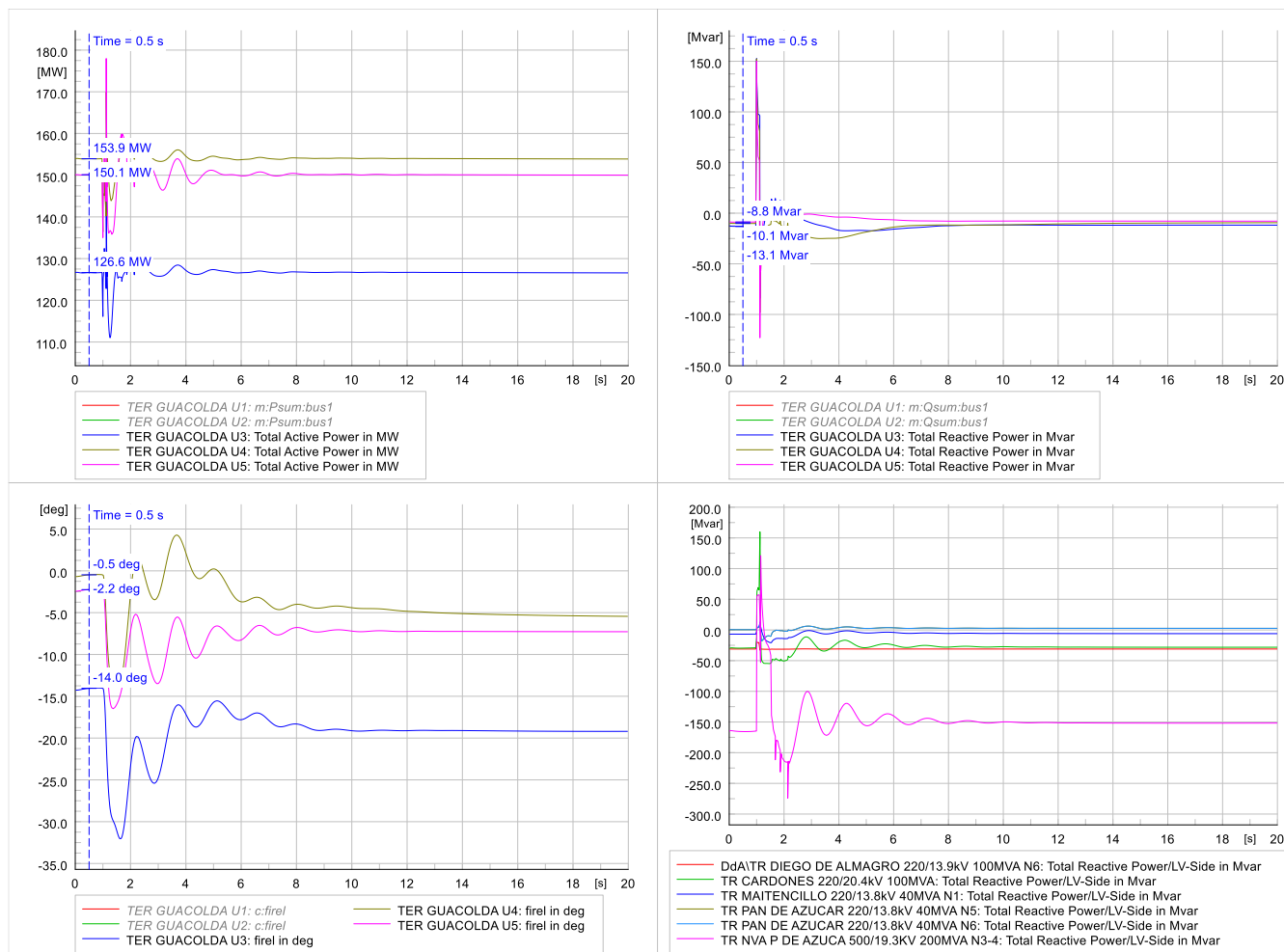


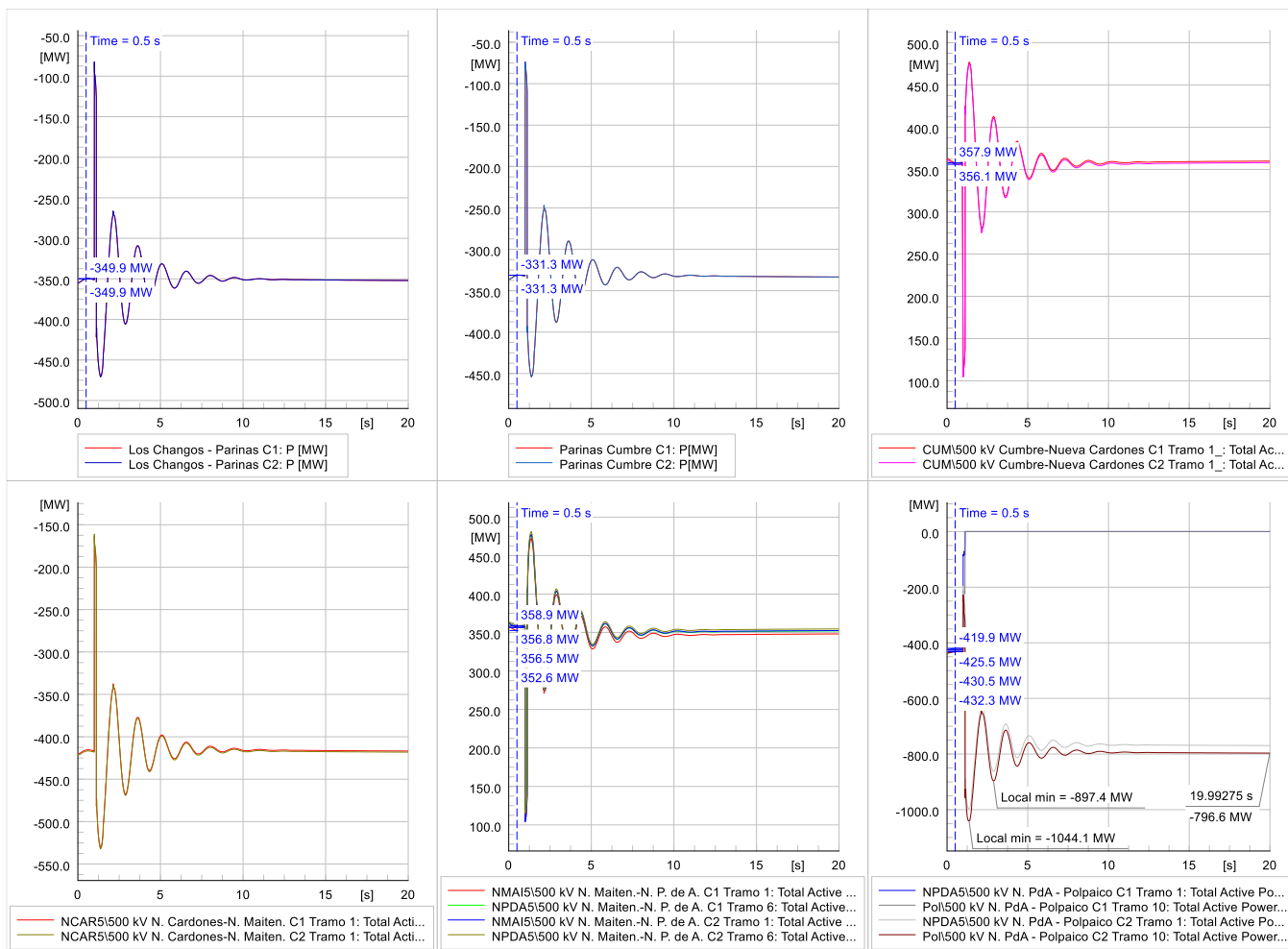


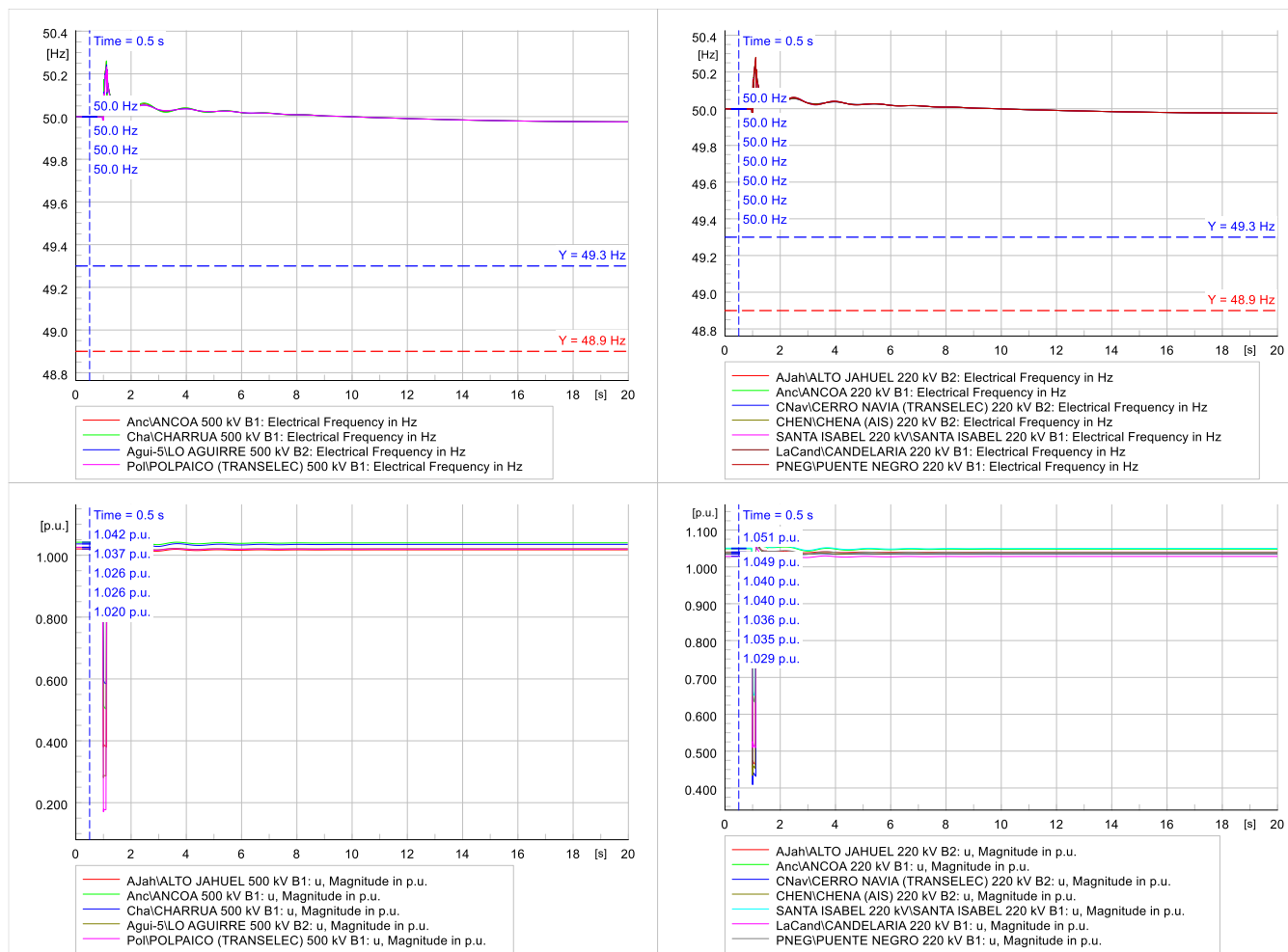


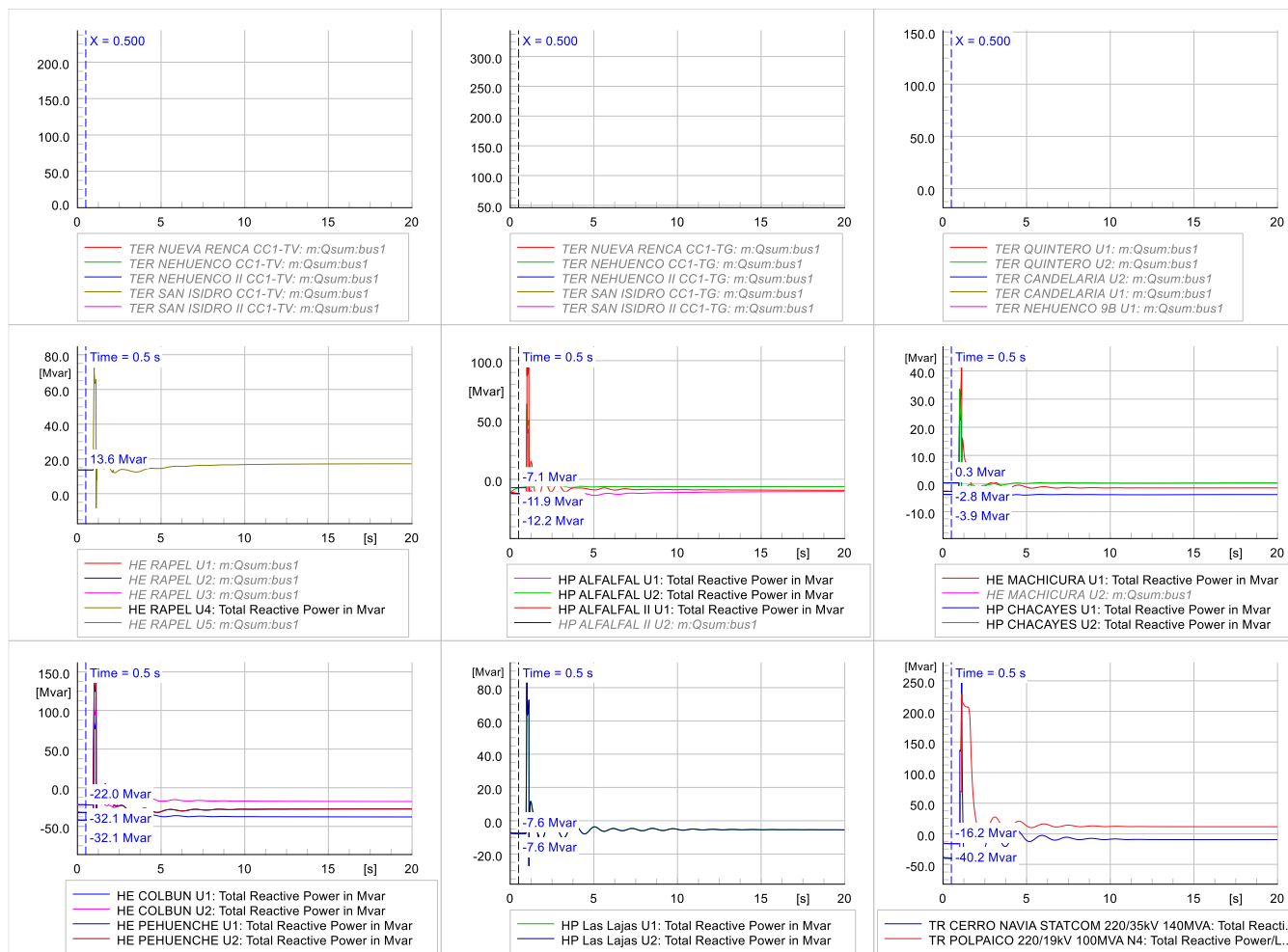


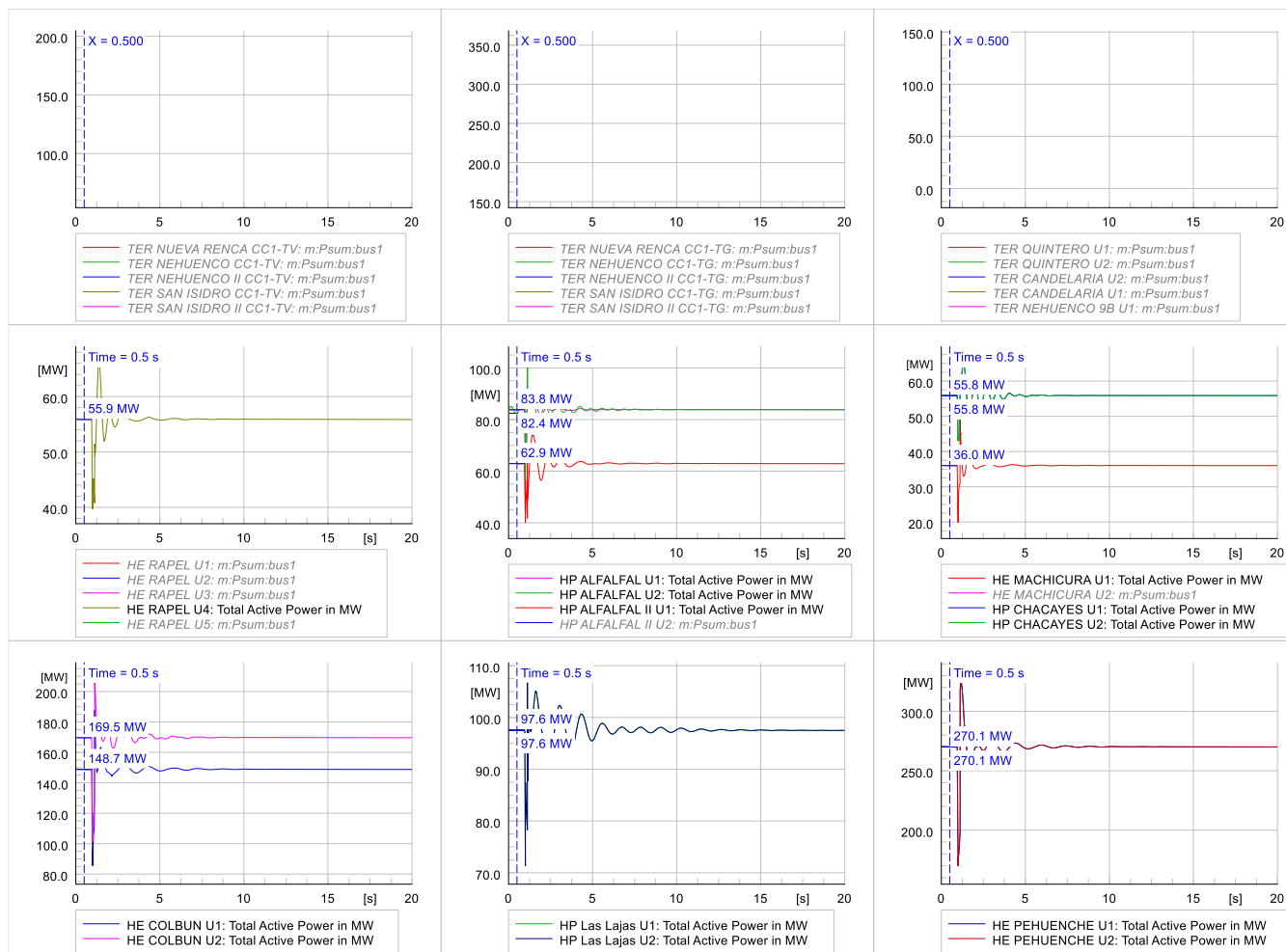


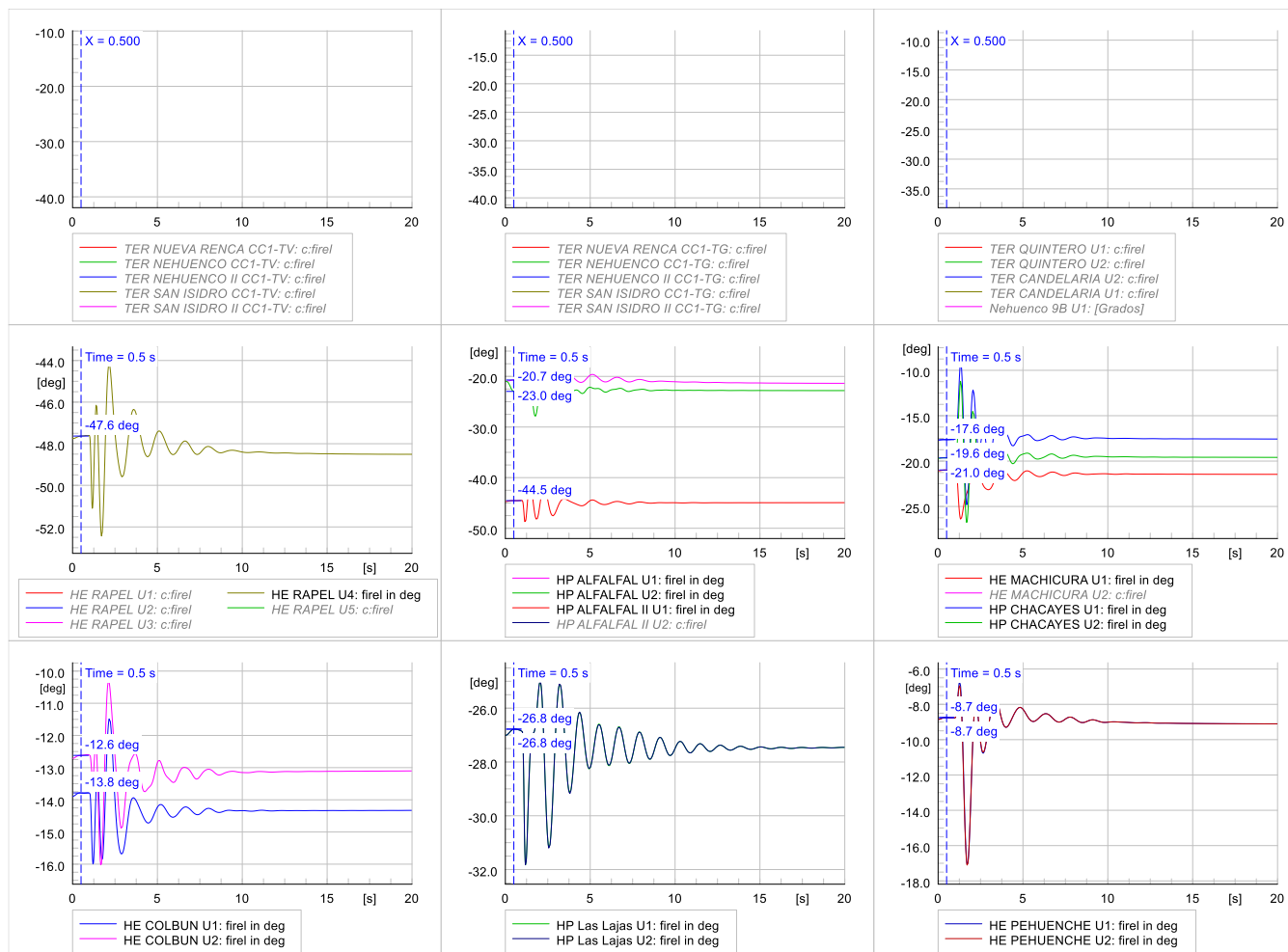


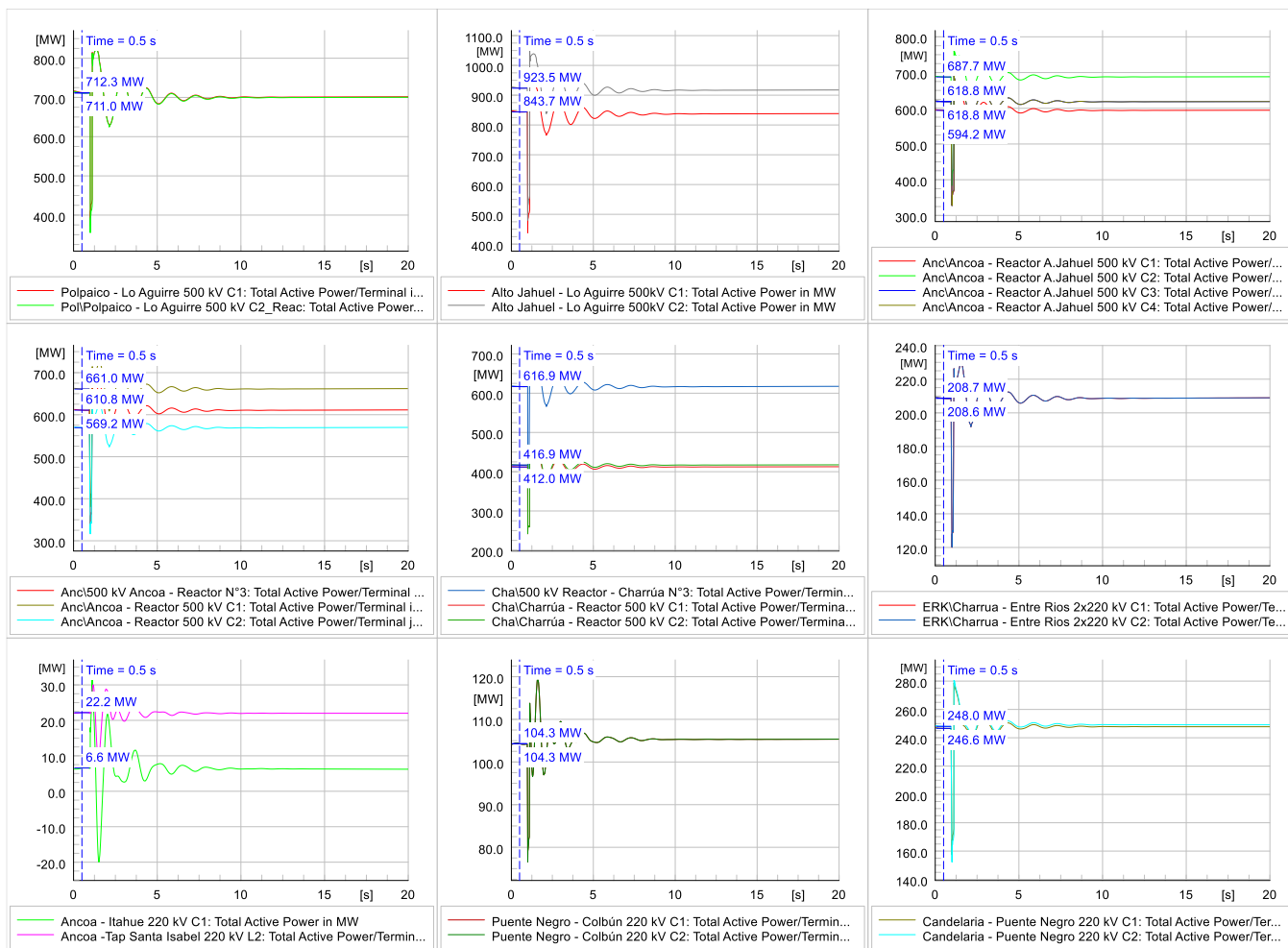


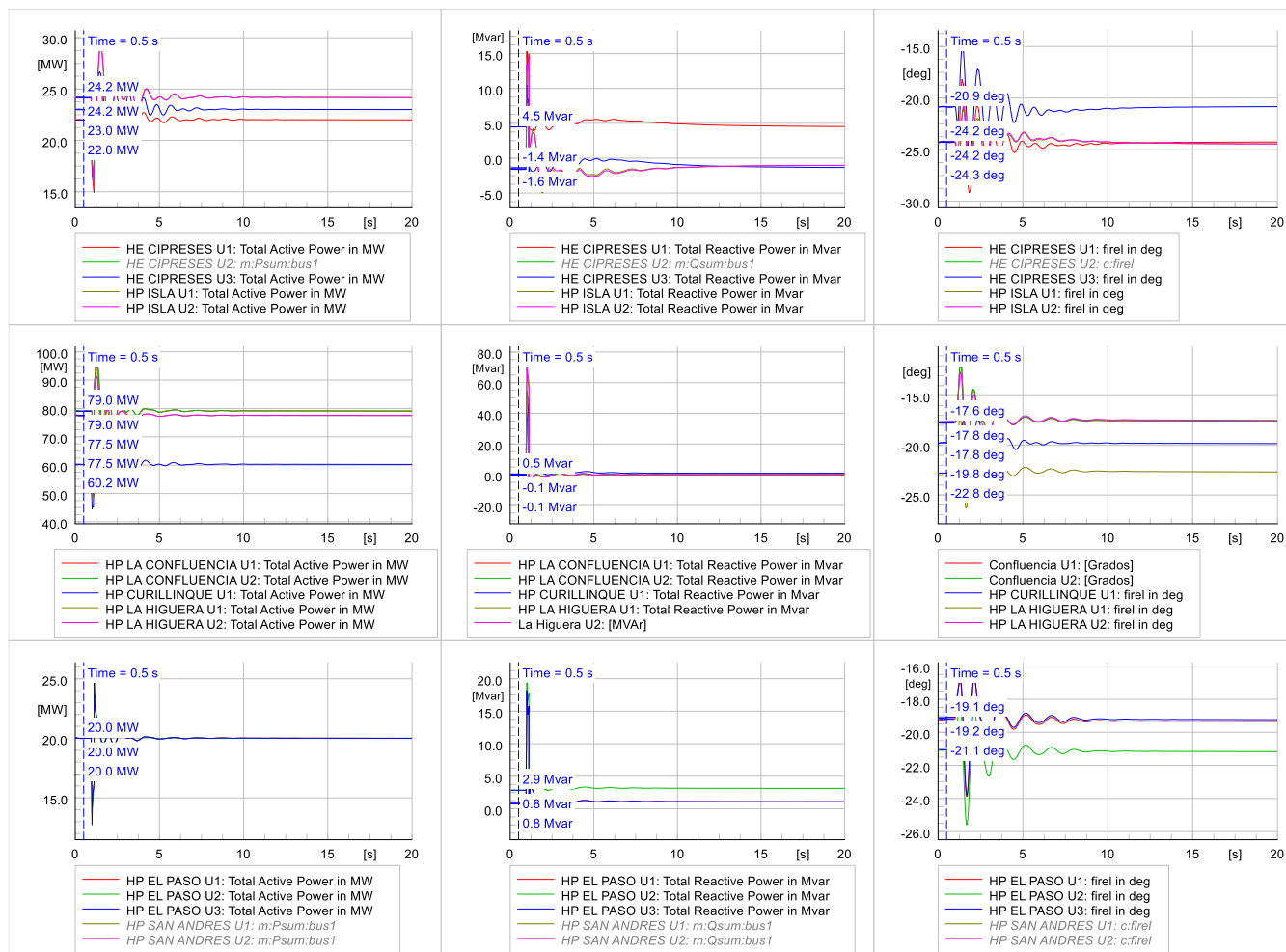


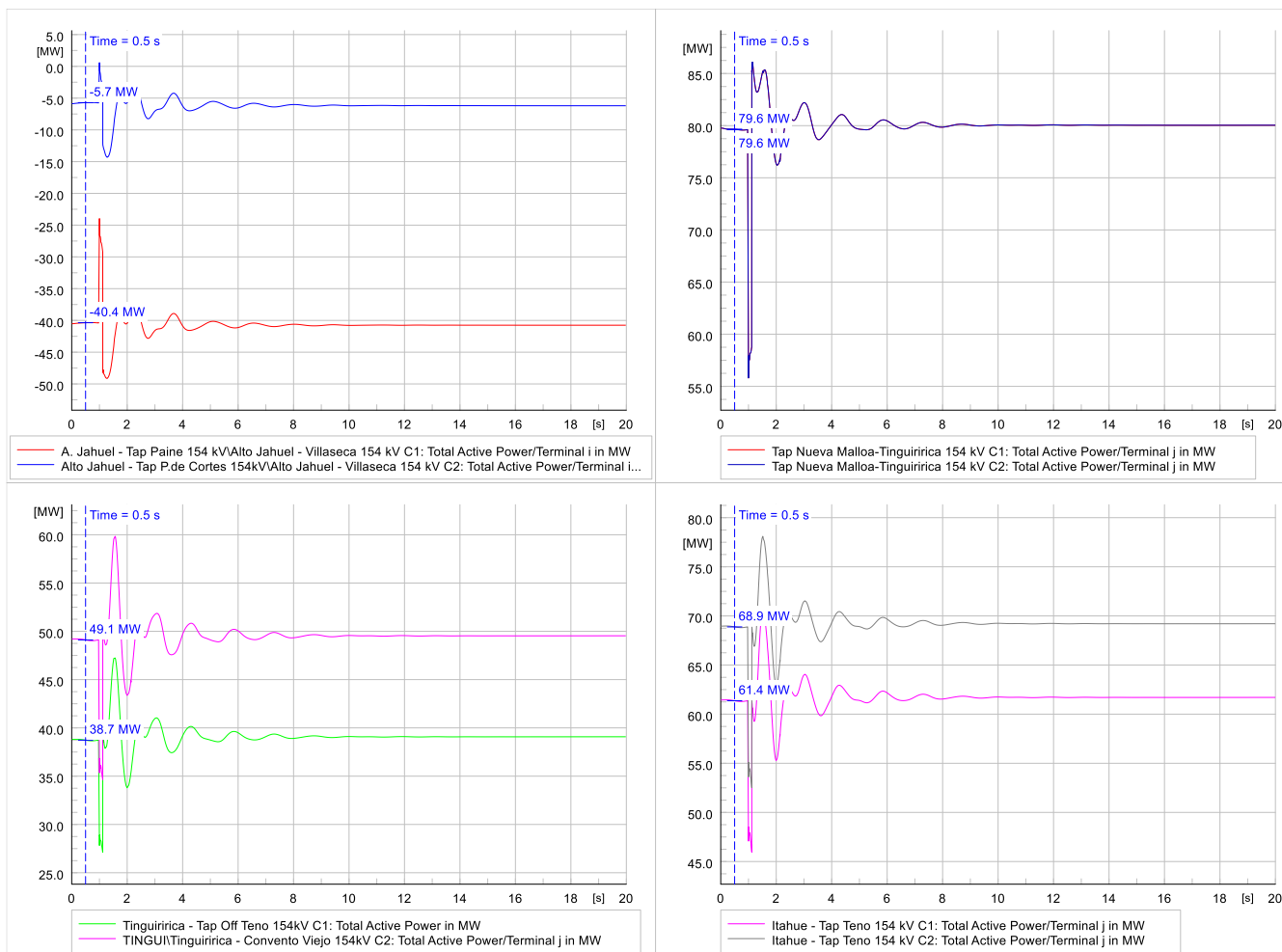


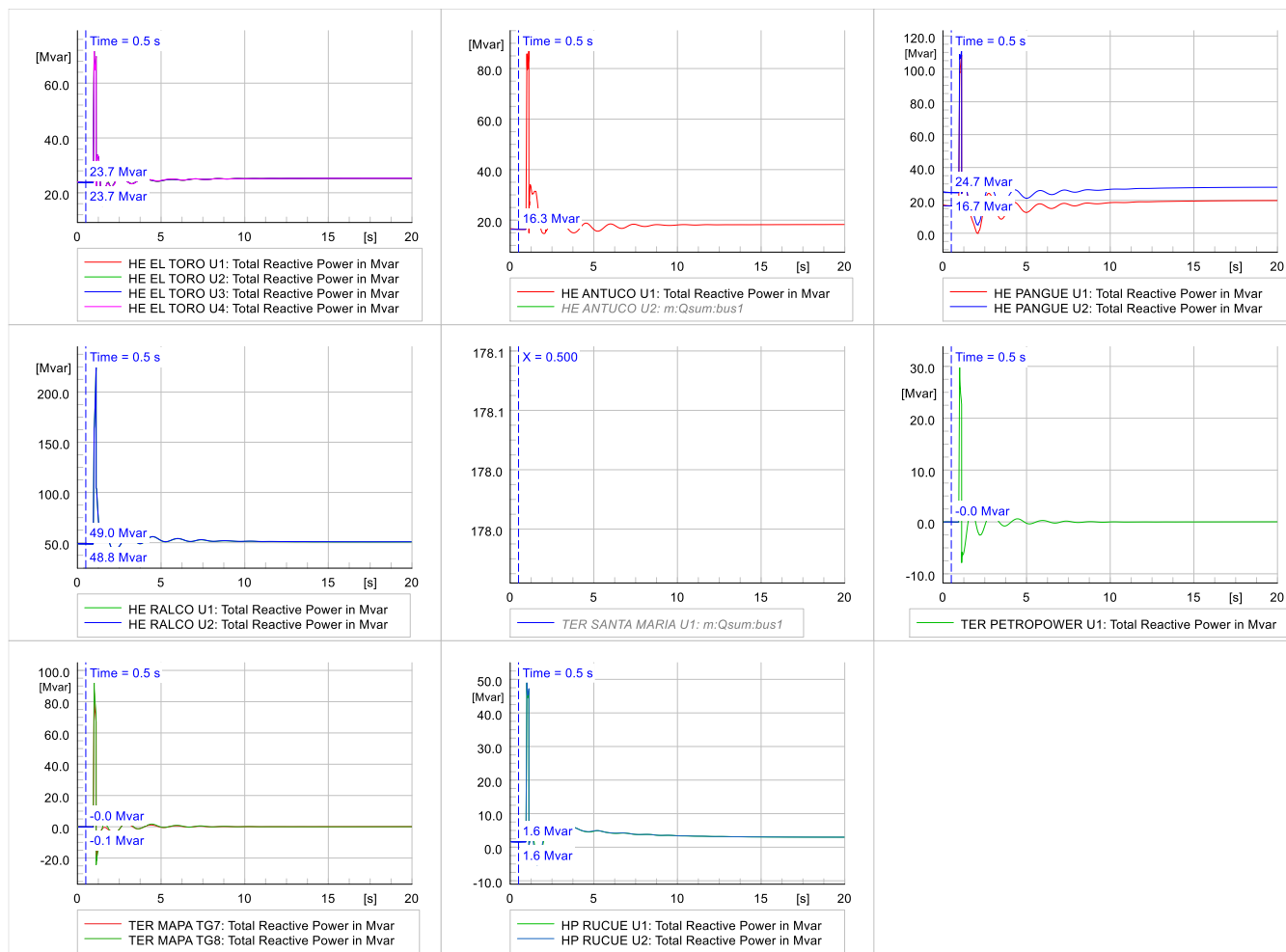


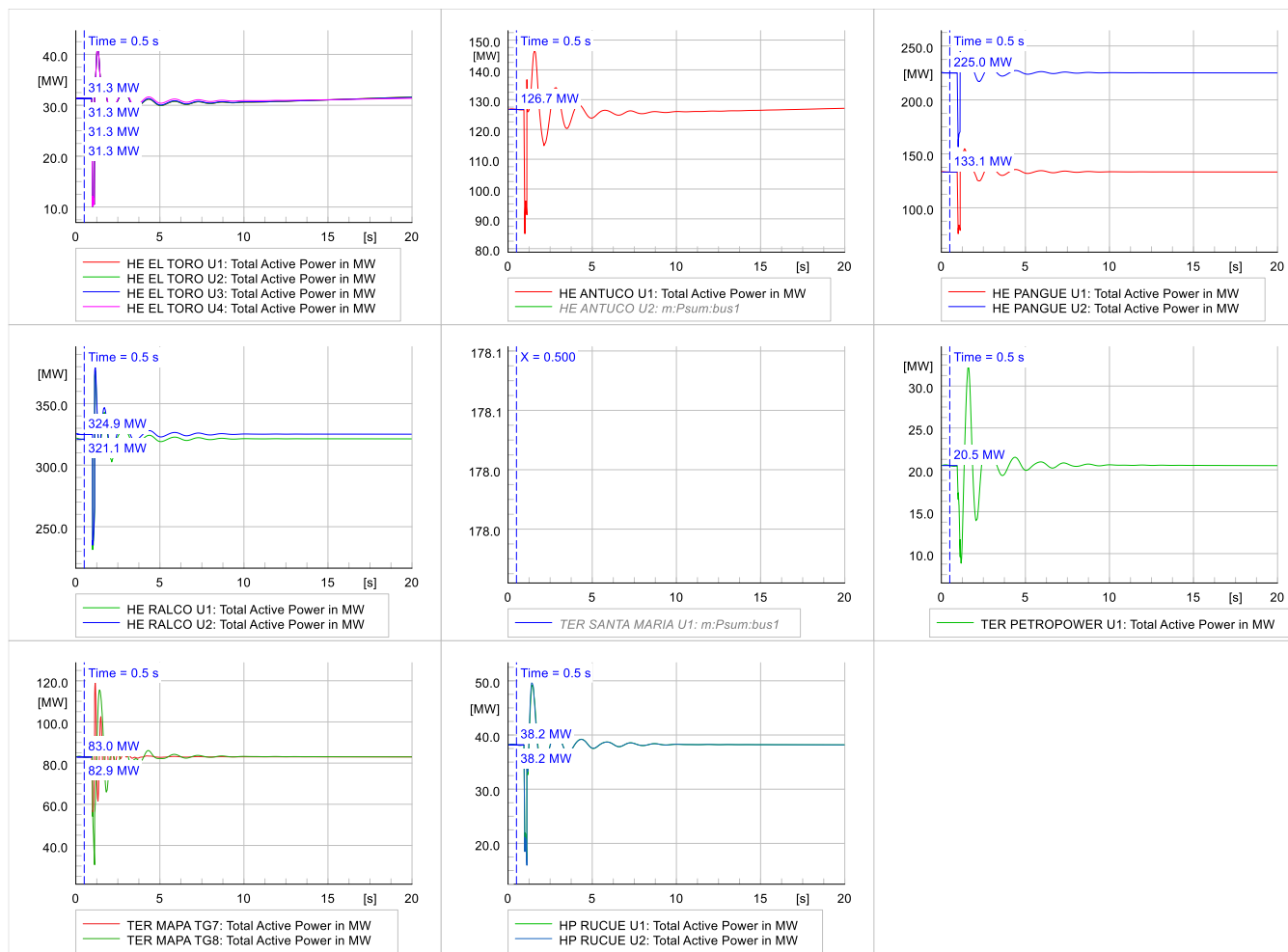


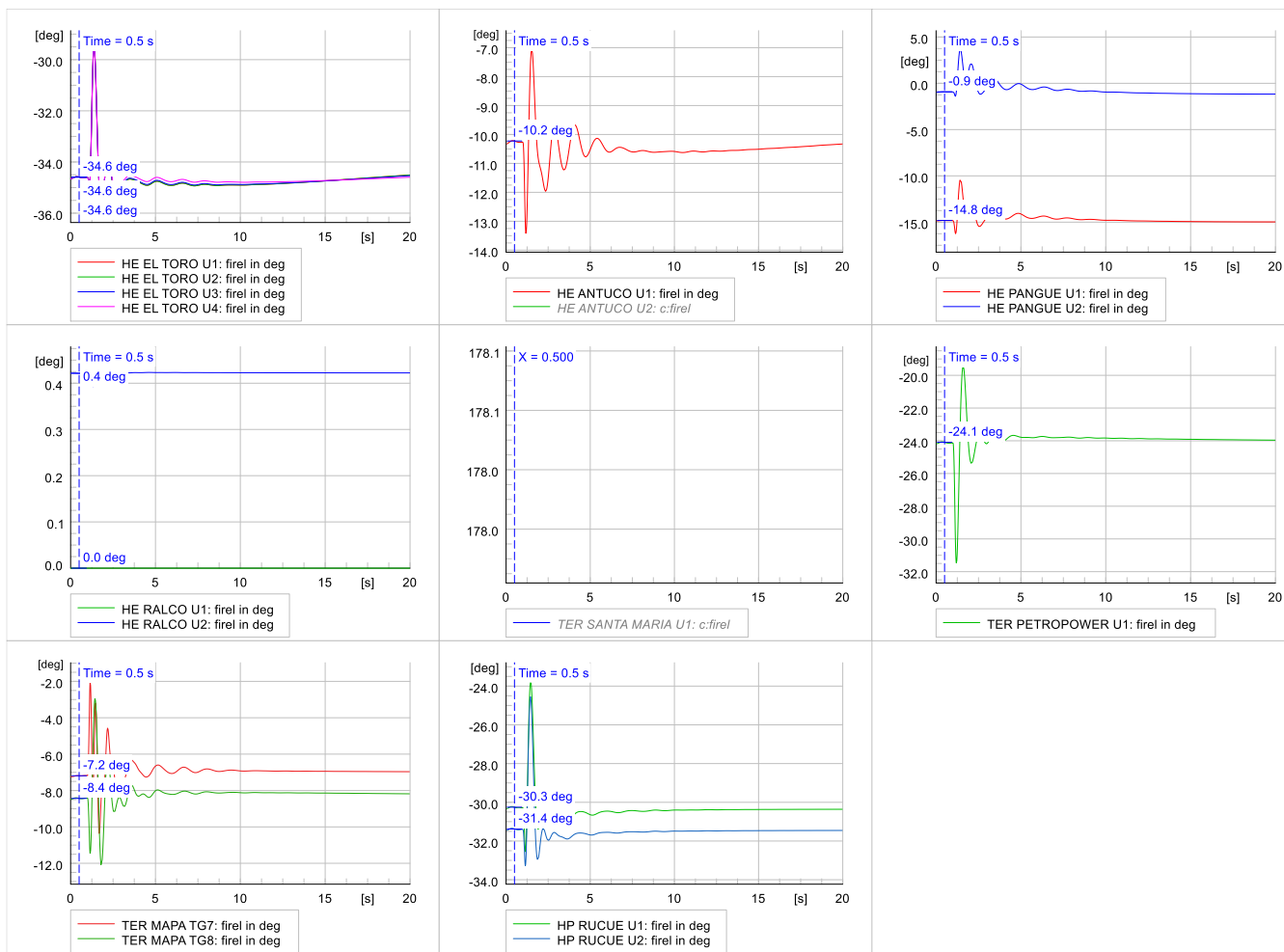


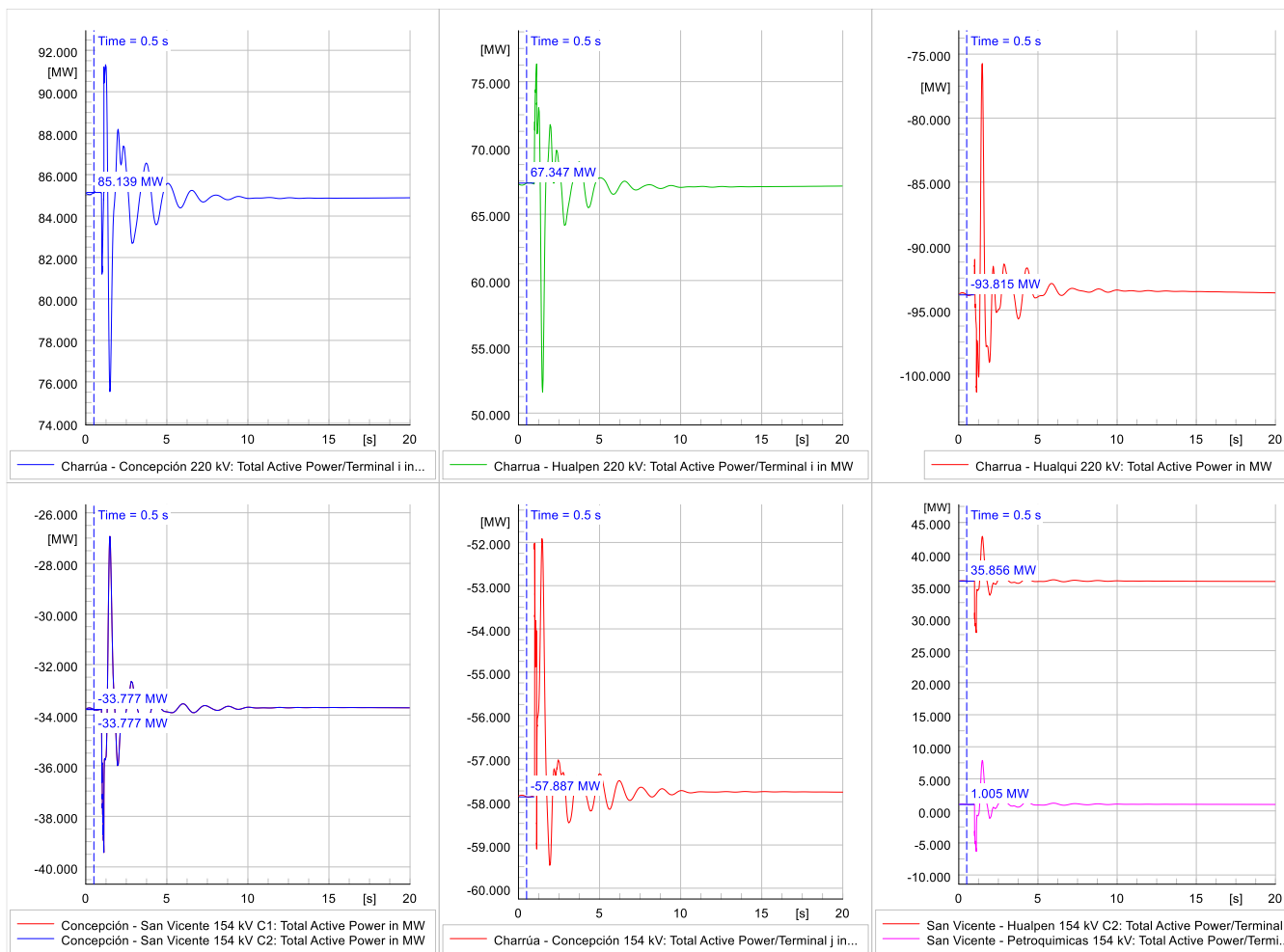


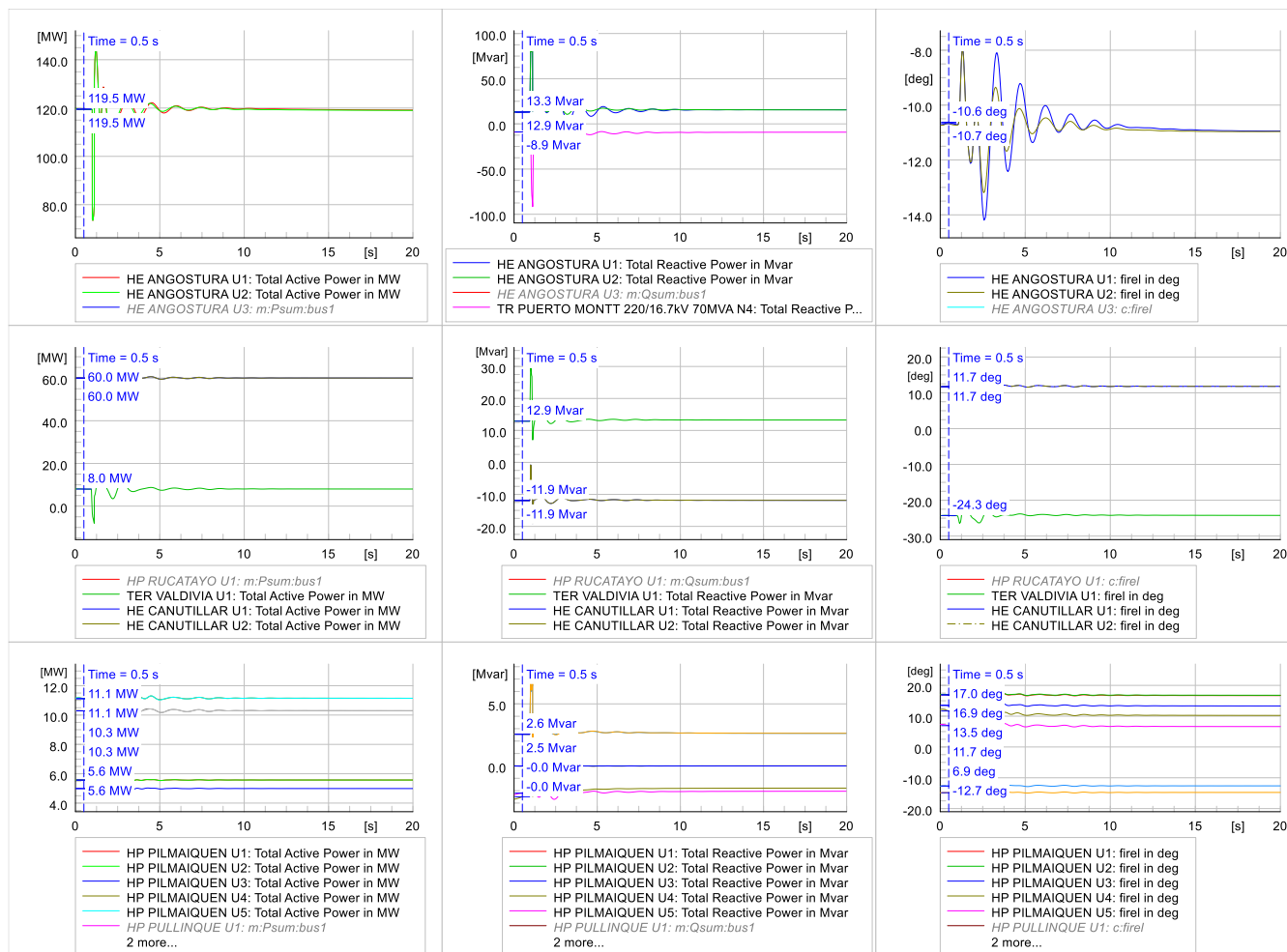


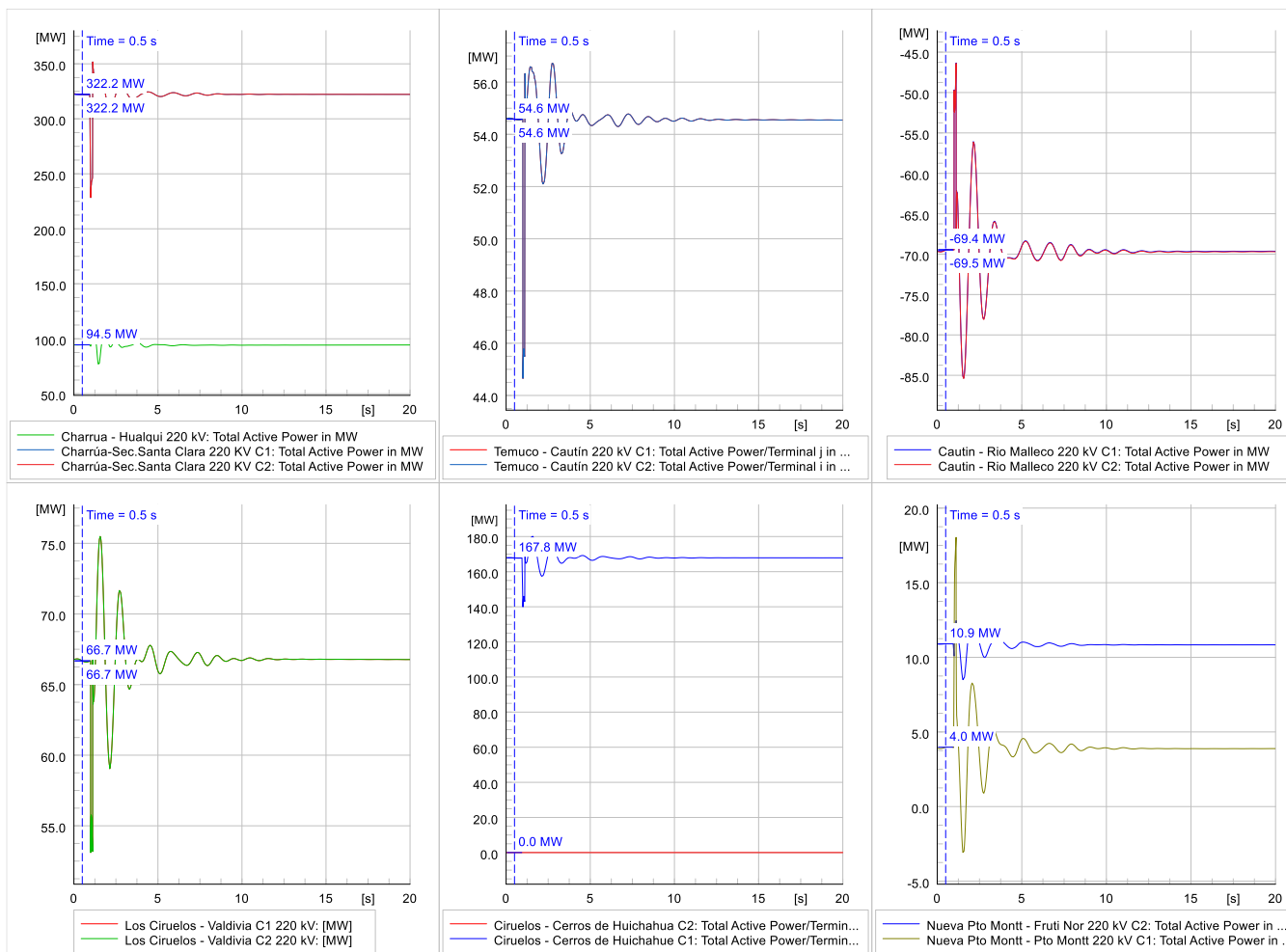












17.12 E4 2024_12_09 DB 5 Hrs.- Ancoa - Charrúa 500kV

