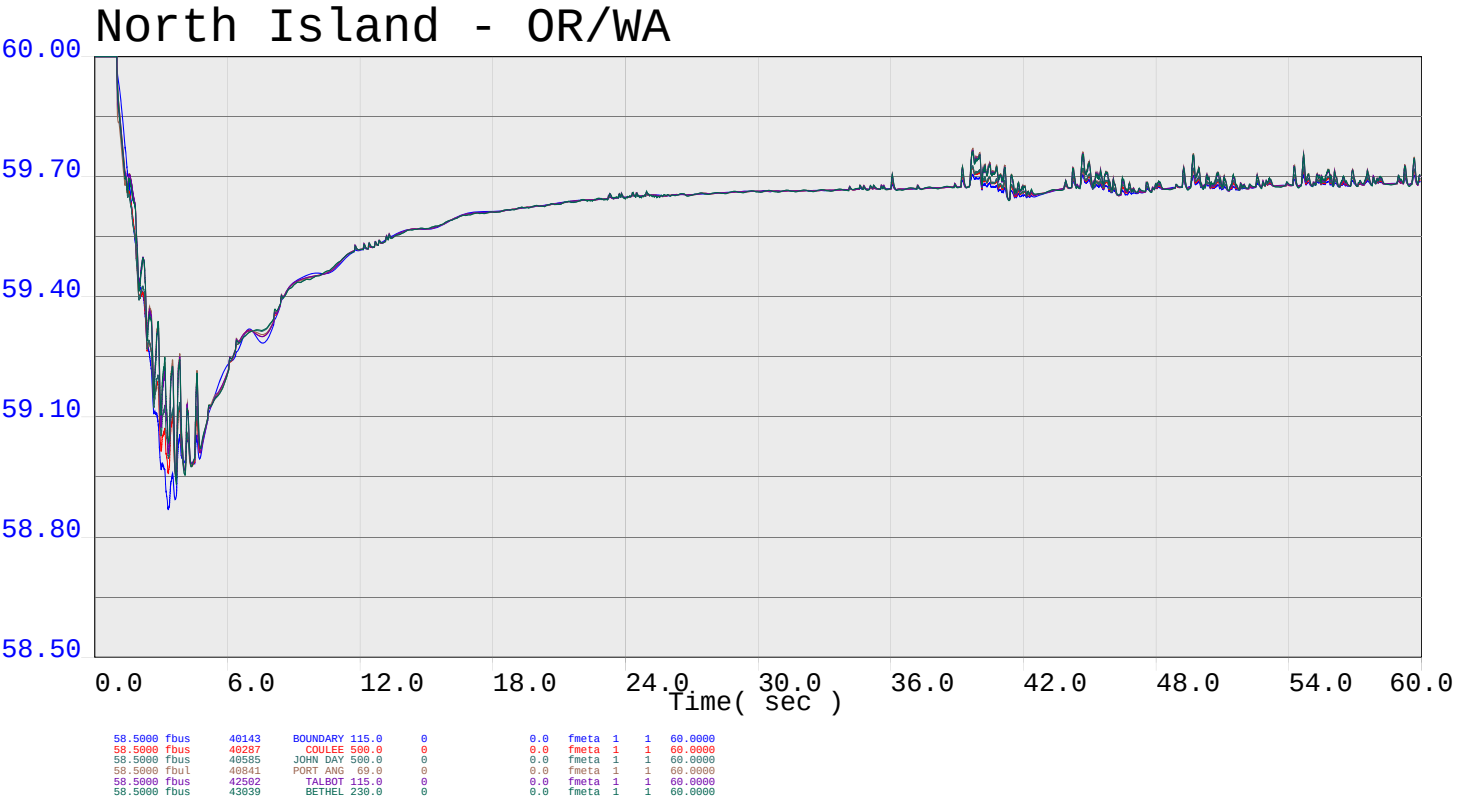
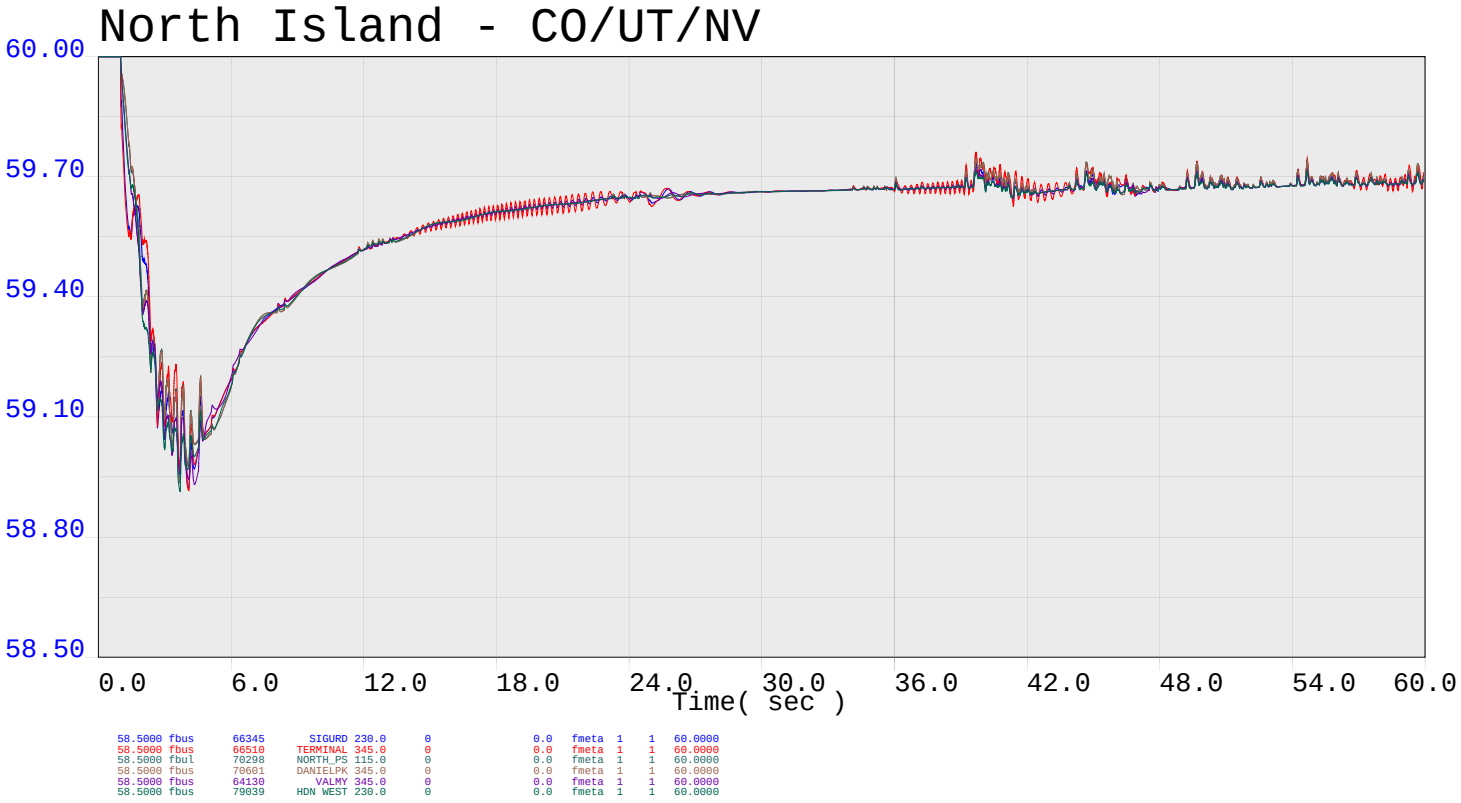
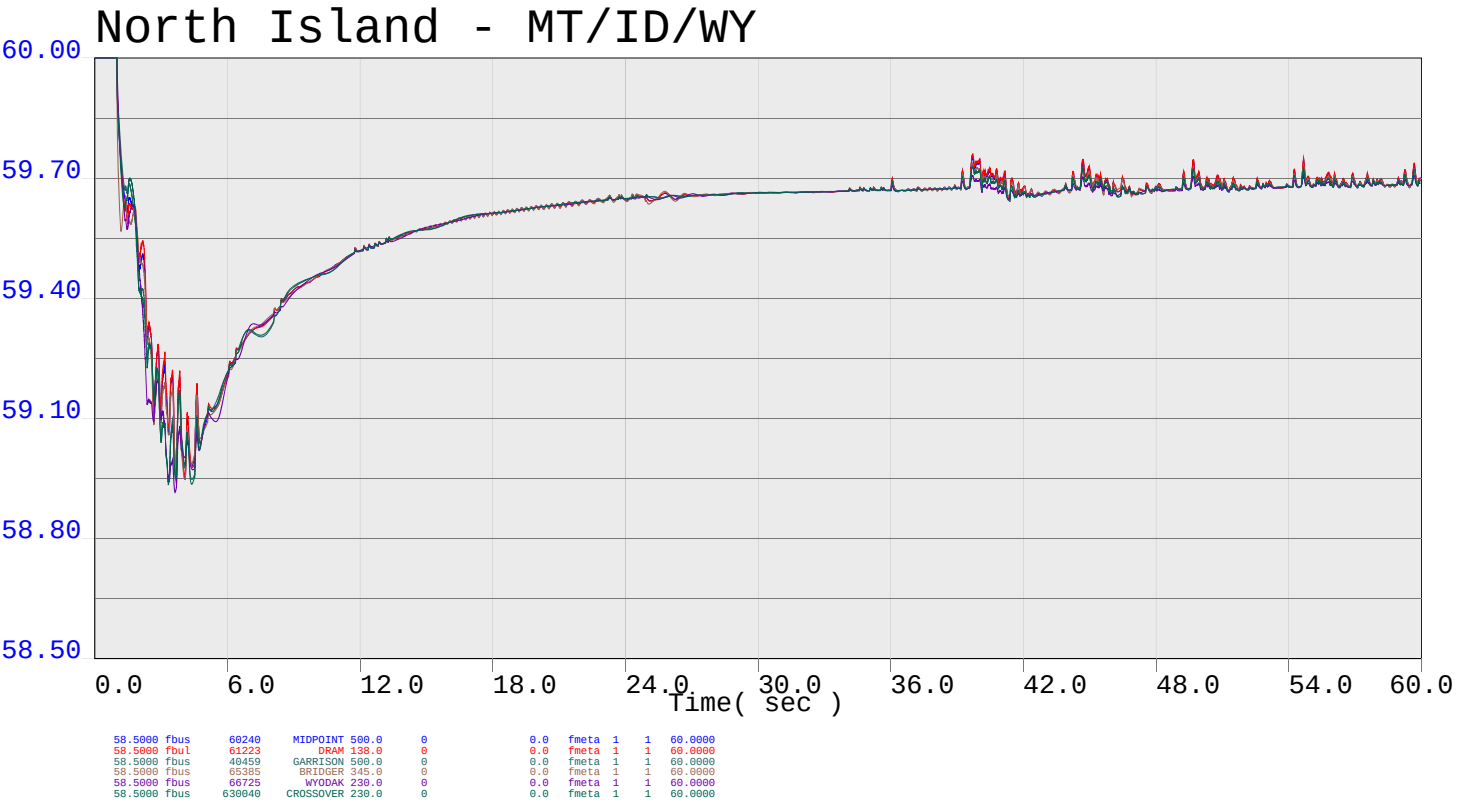
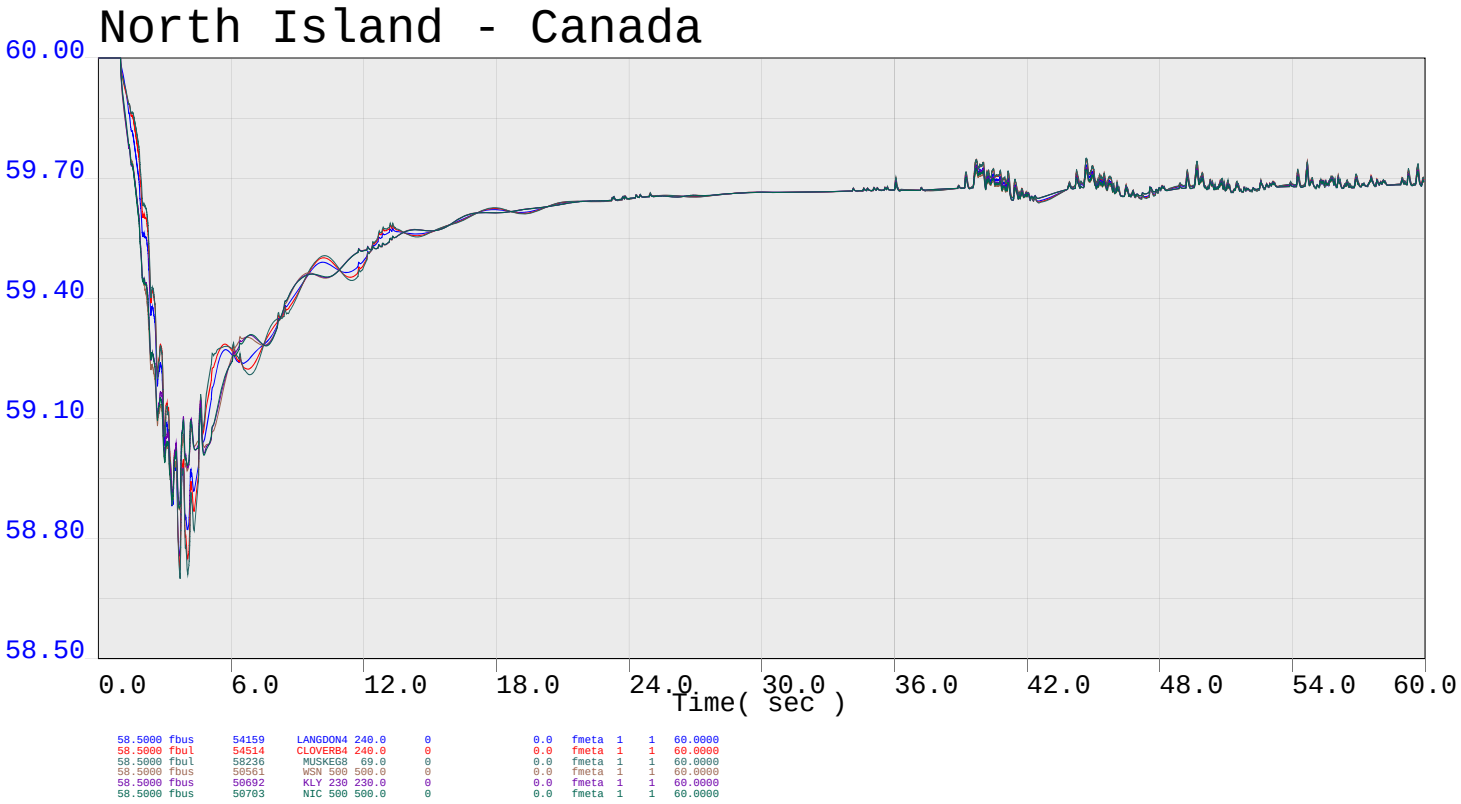


Appendix A.1 – Frequency Performance – WECC (WI) Island – 2019HS

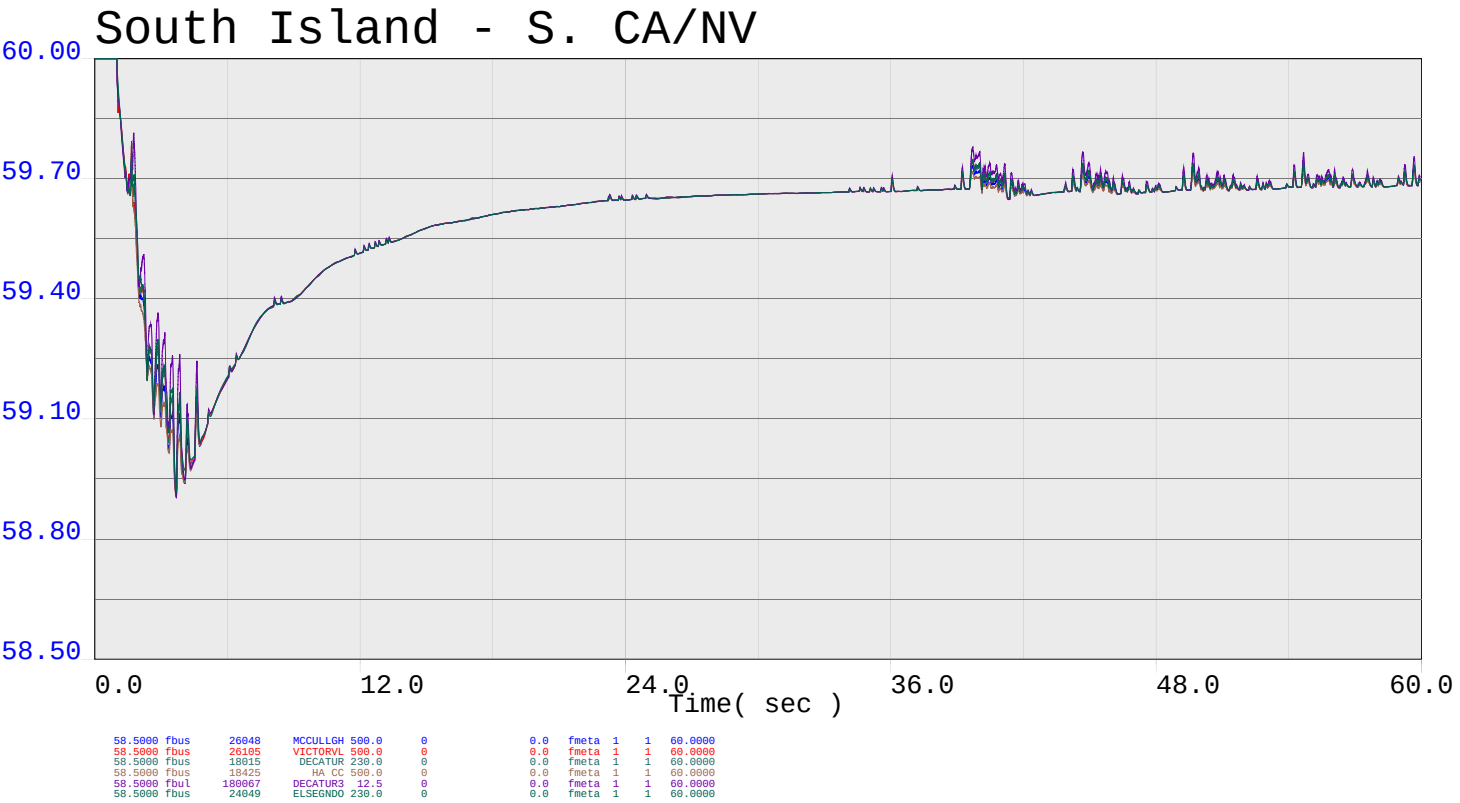
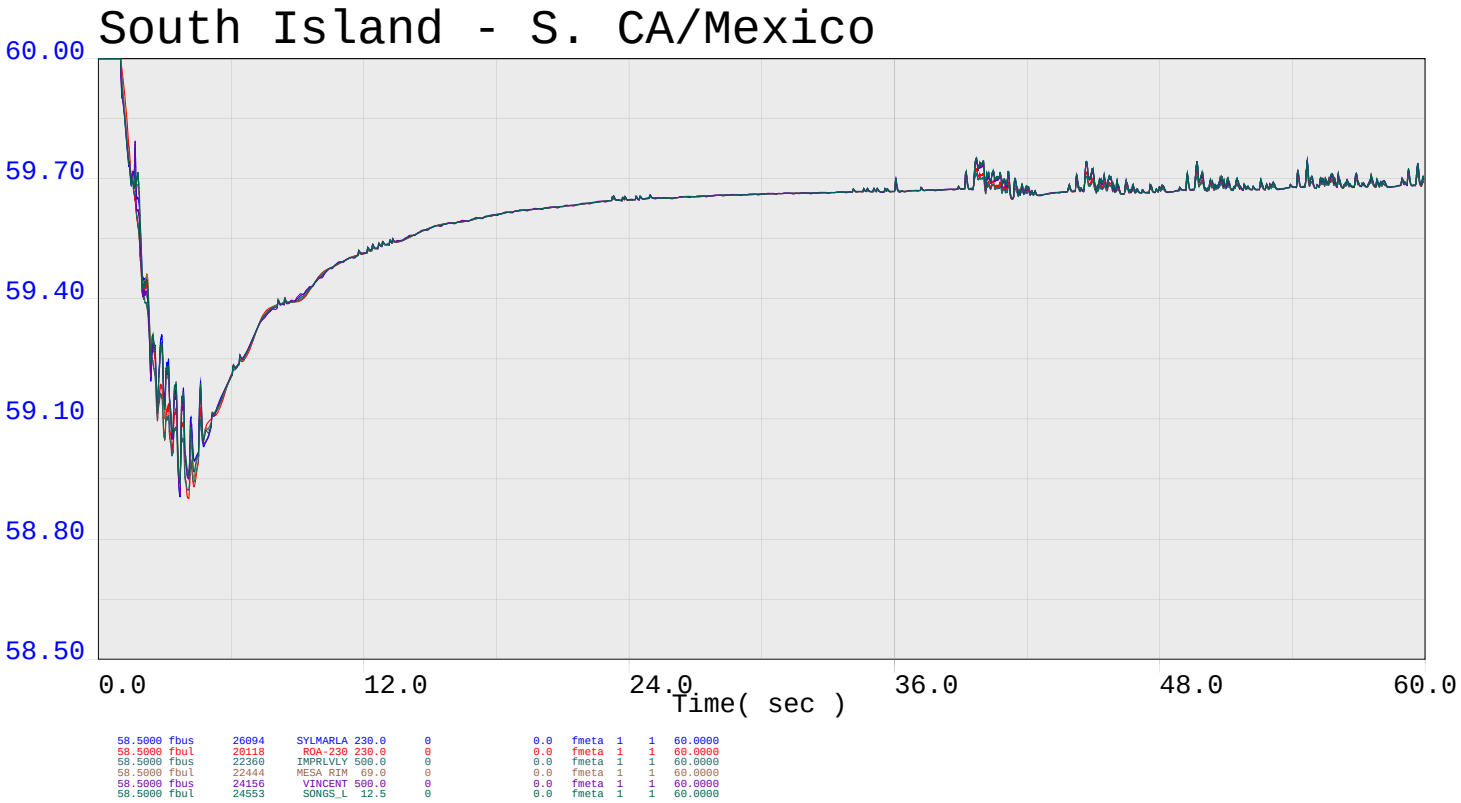
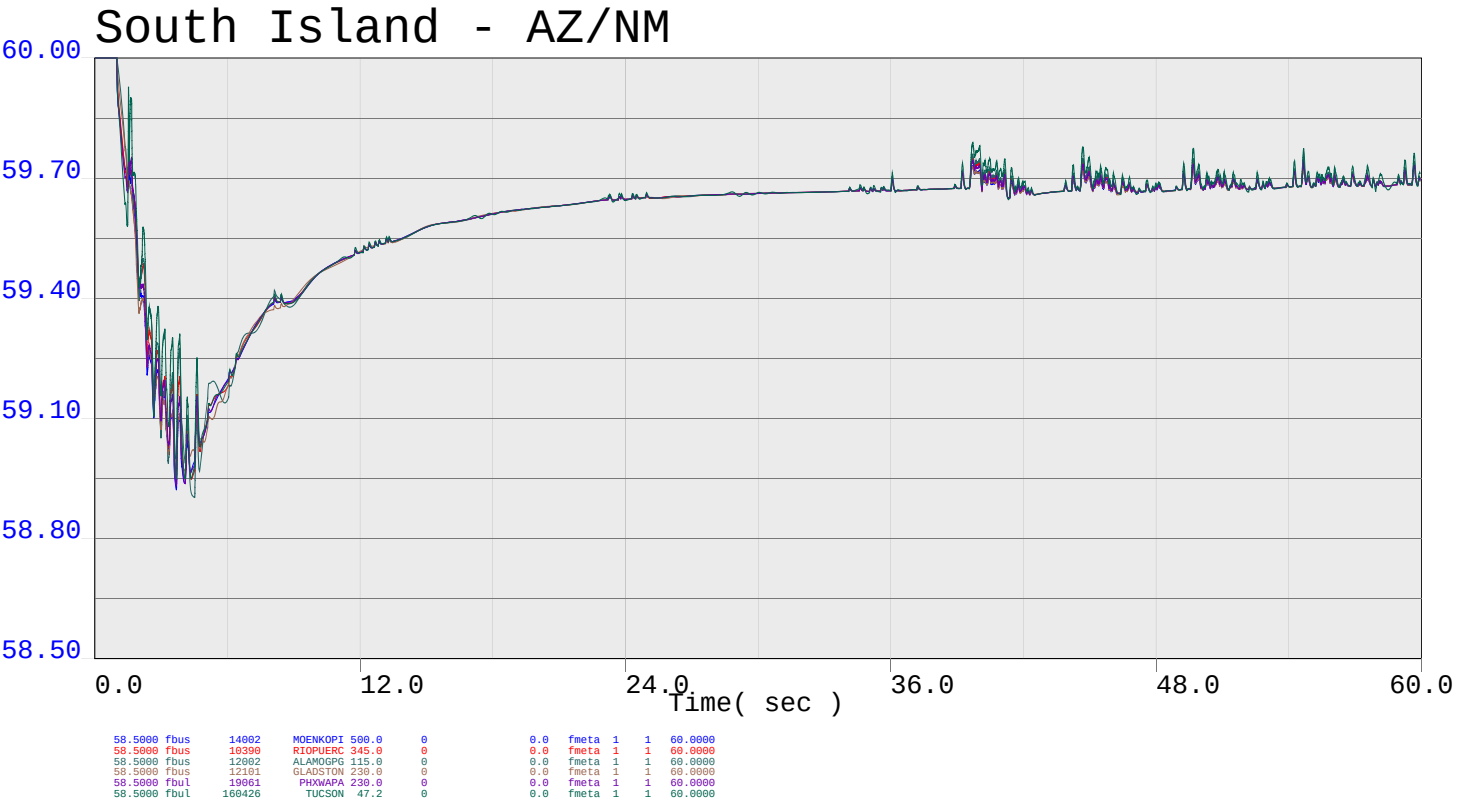
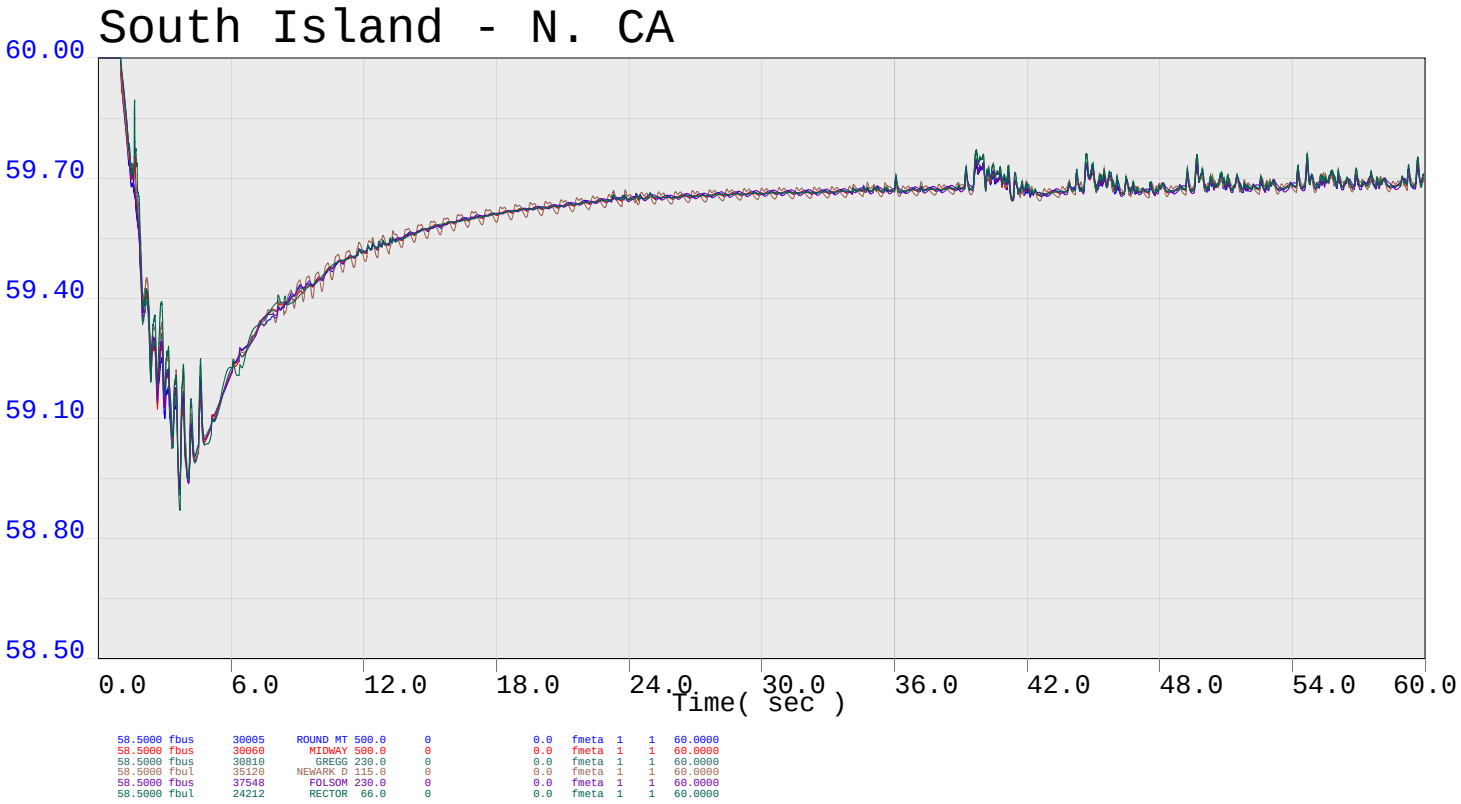
Plot Files:

- WECC-19HS-10.pdf
- WECC-19HS-20.pdf
- WECC-19HS-25.pdf

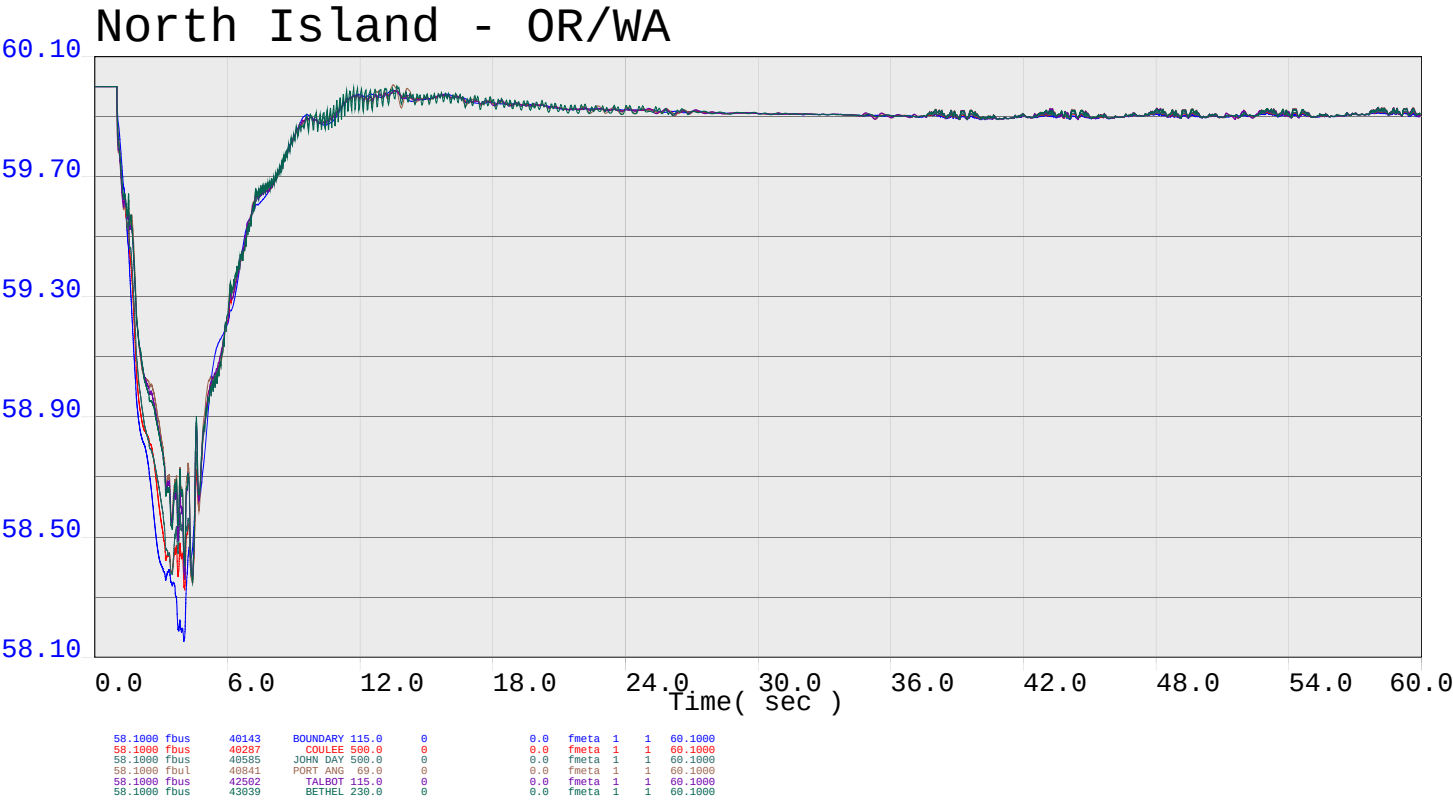
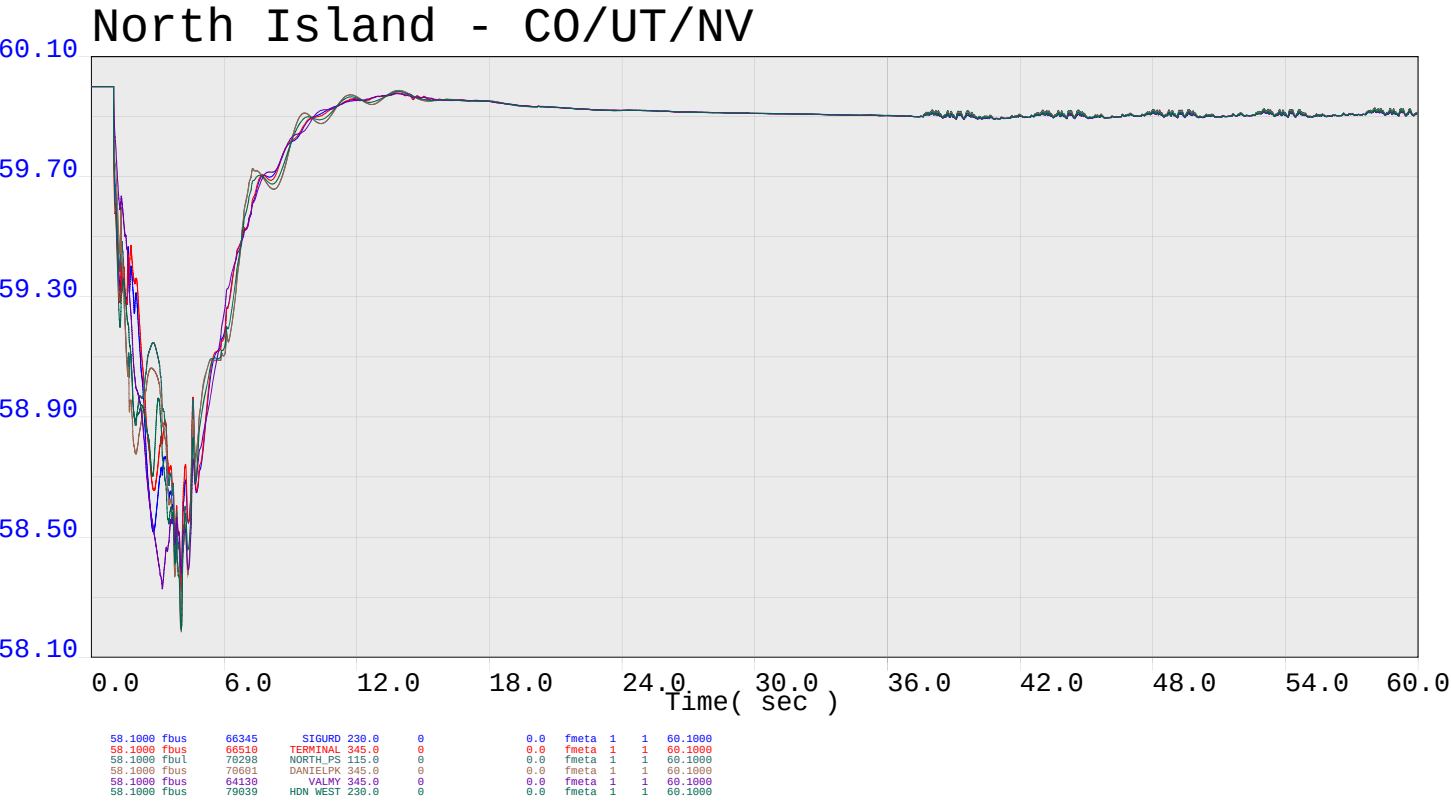
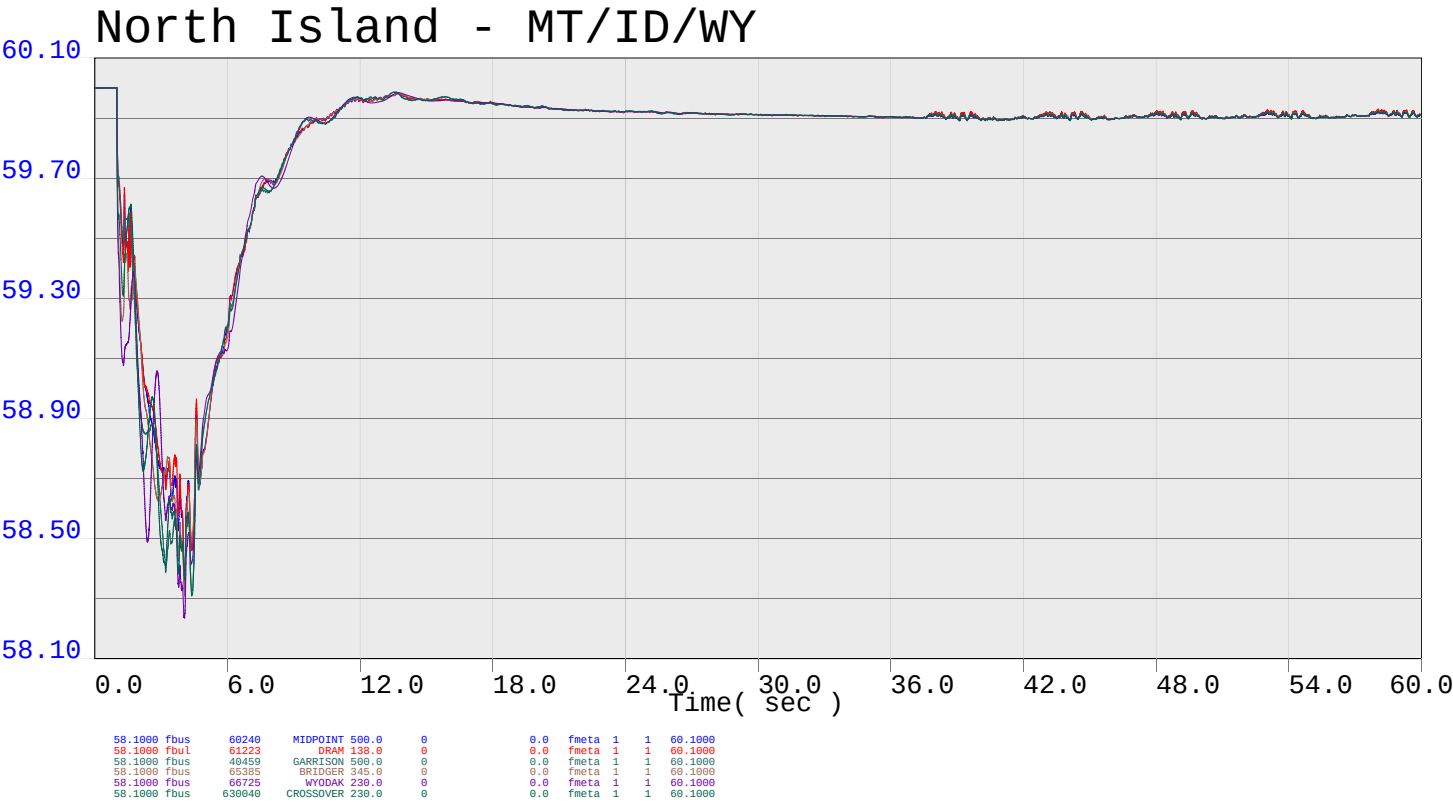
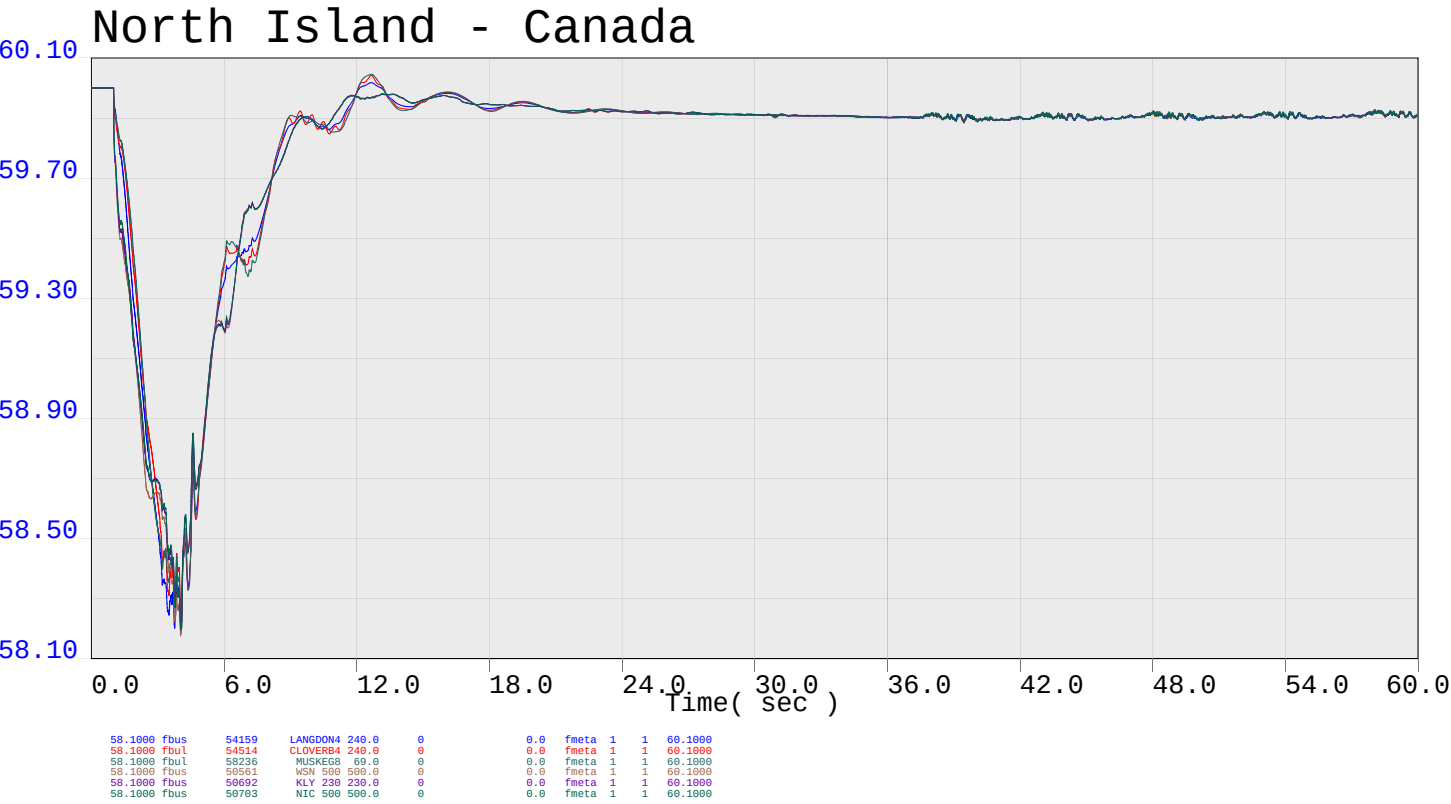
WECC ISLAND: 2019 HS3 - 10% Imbalance



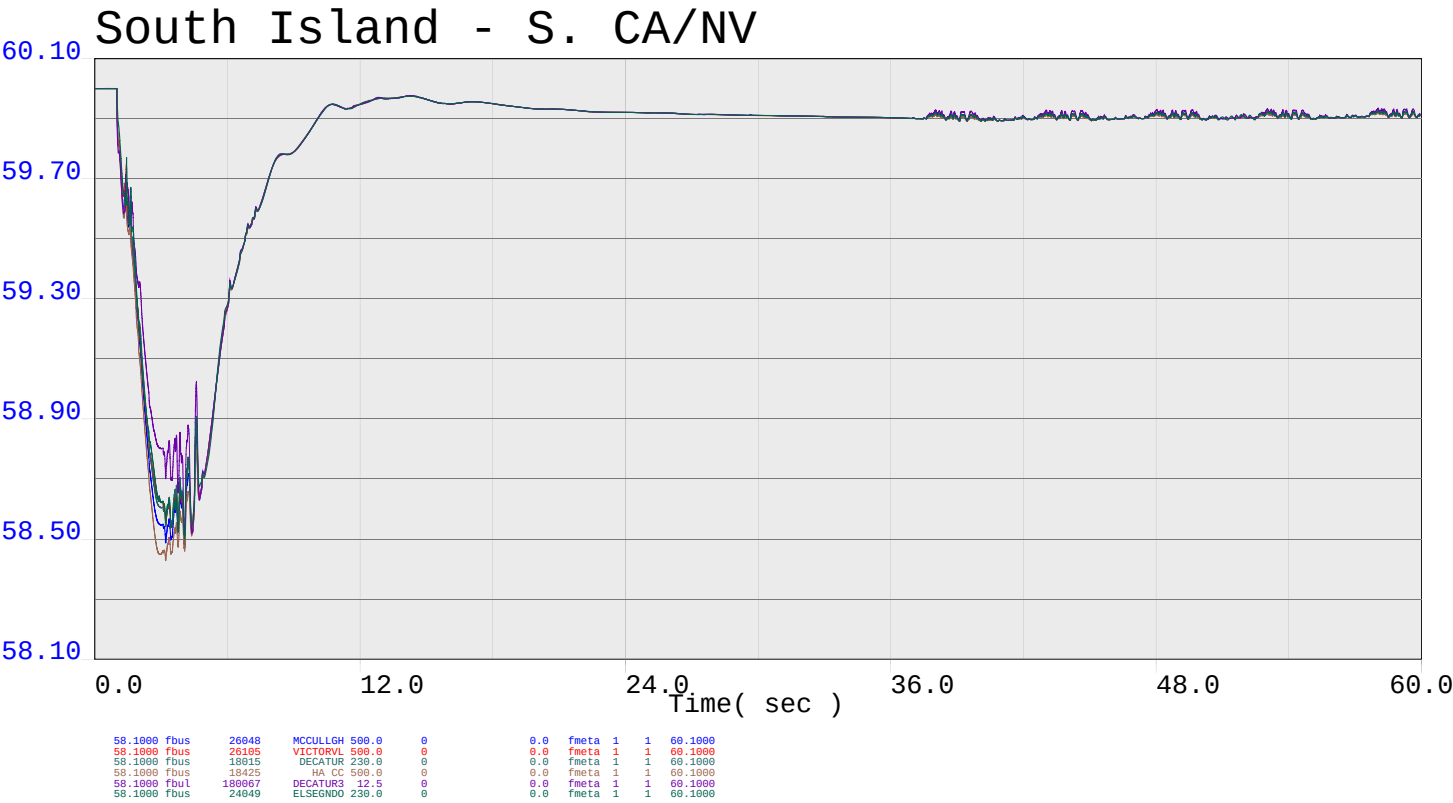
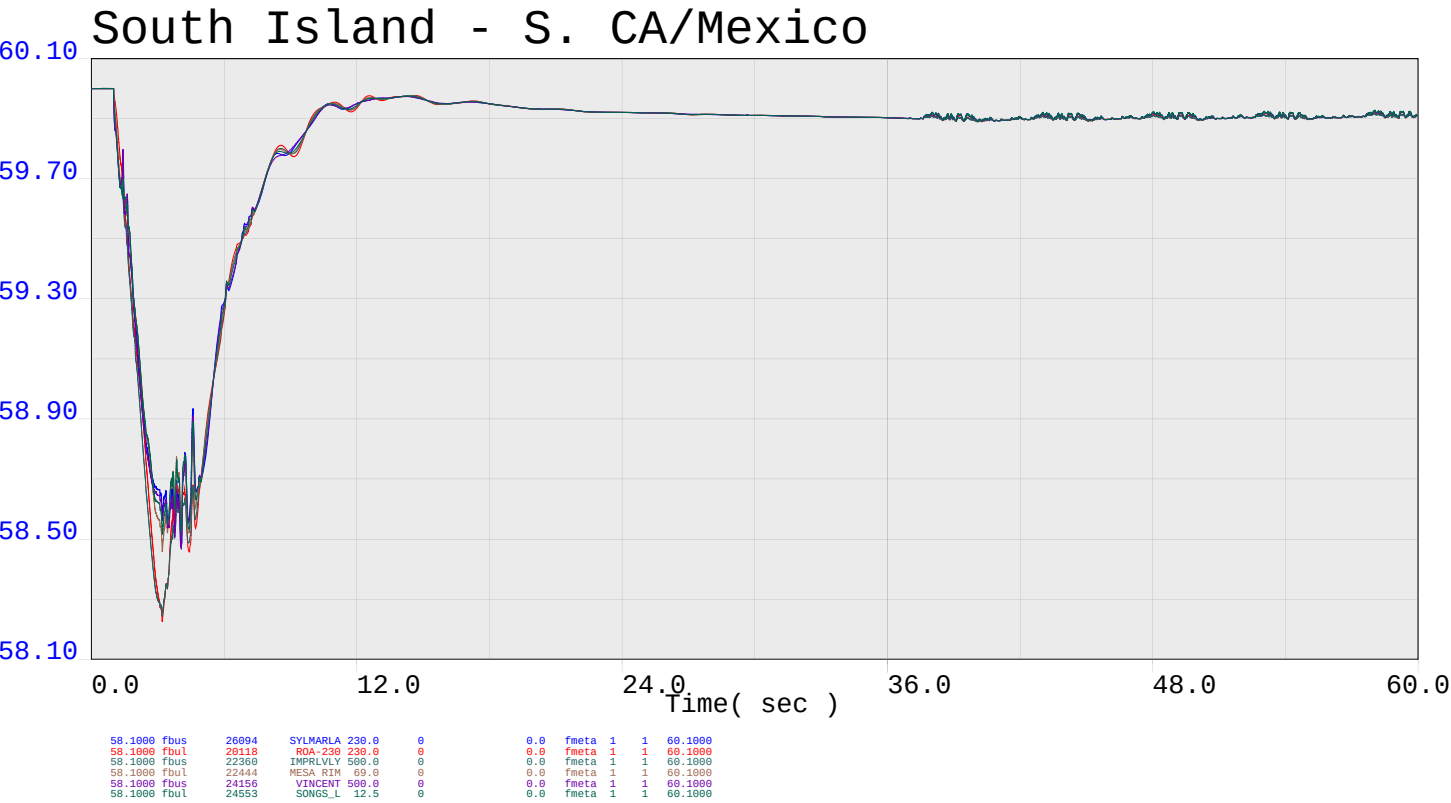
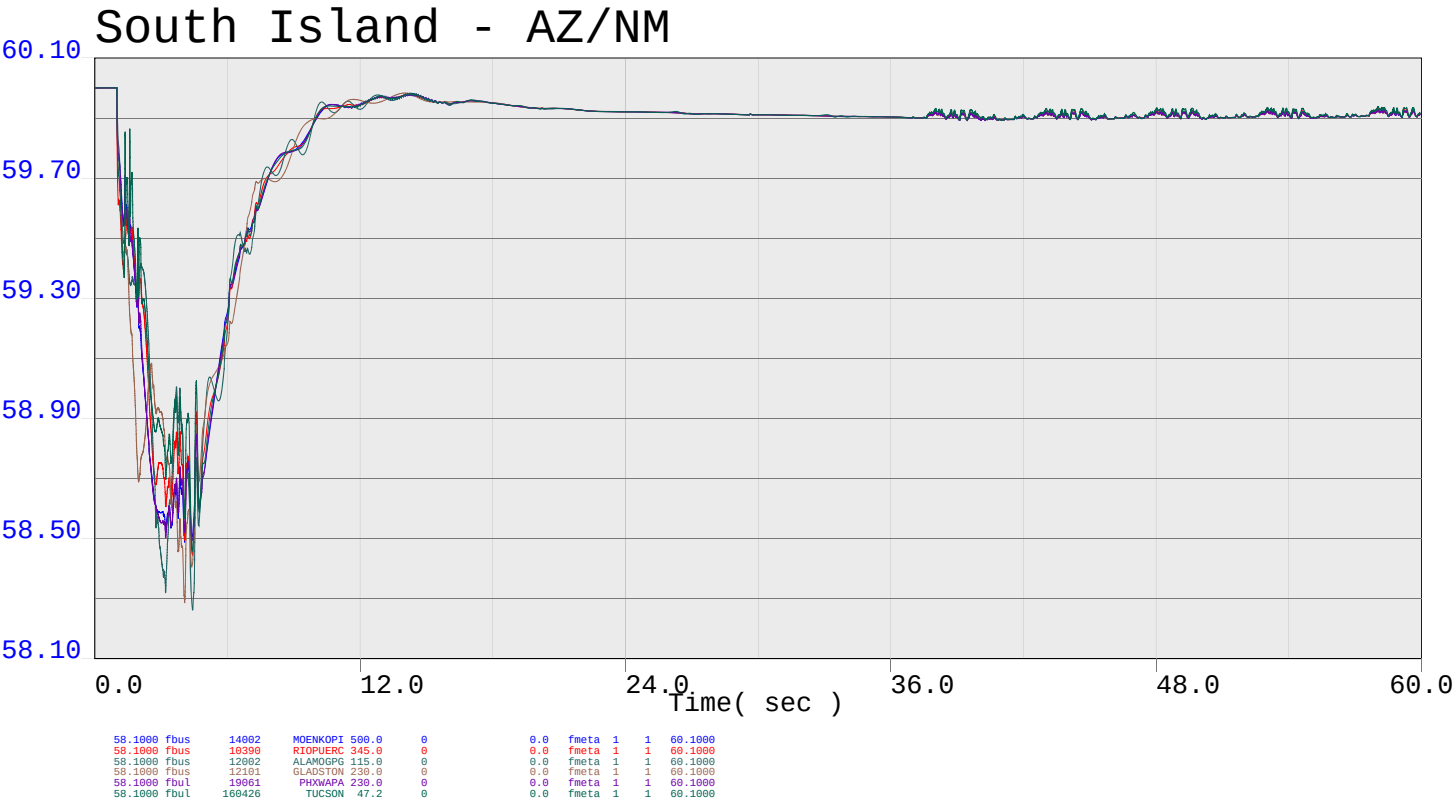
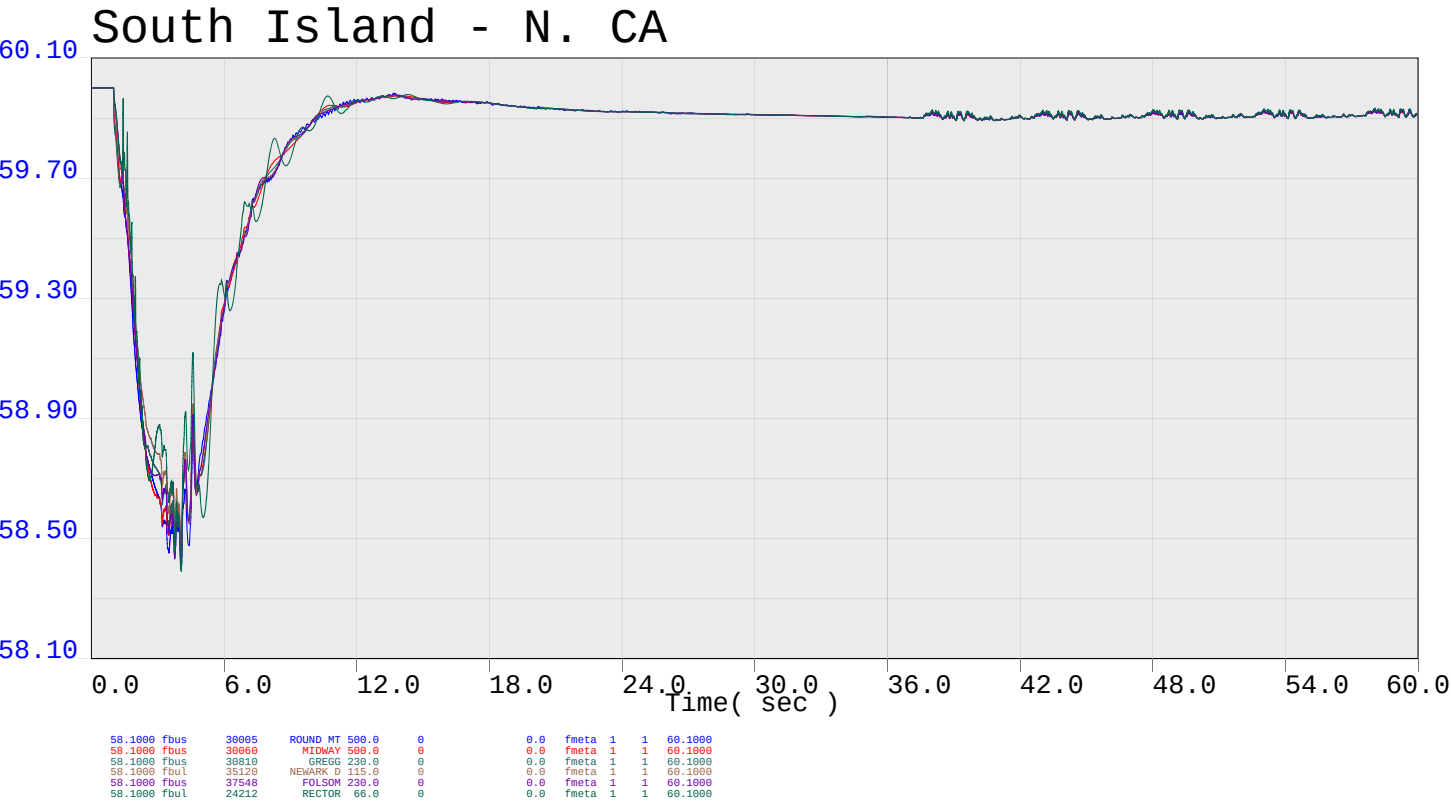
WECC ISLAND: 2019 HS3 - 10% Imbalance



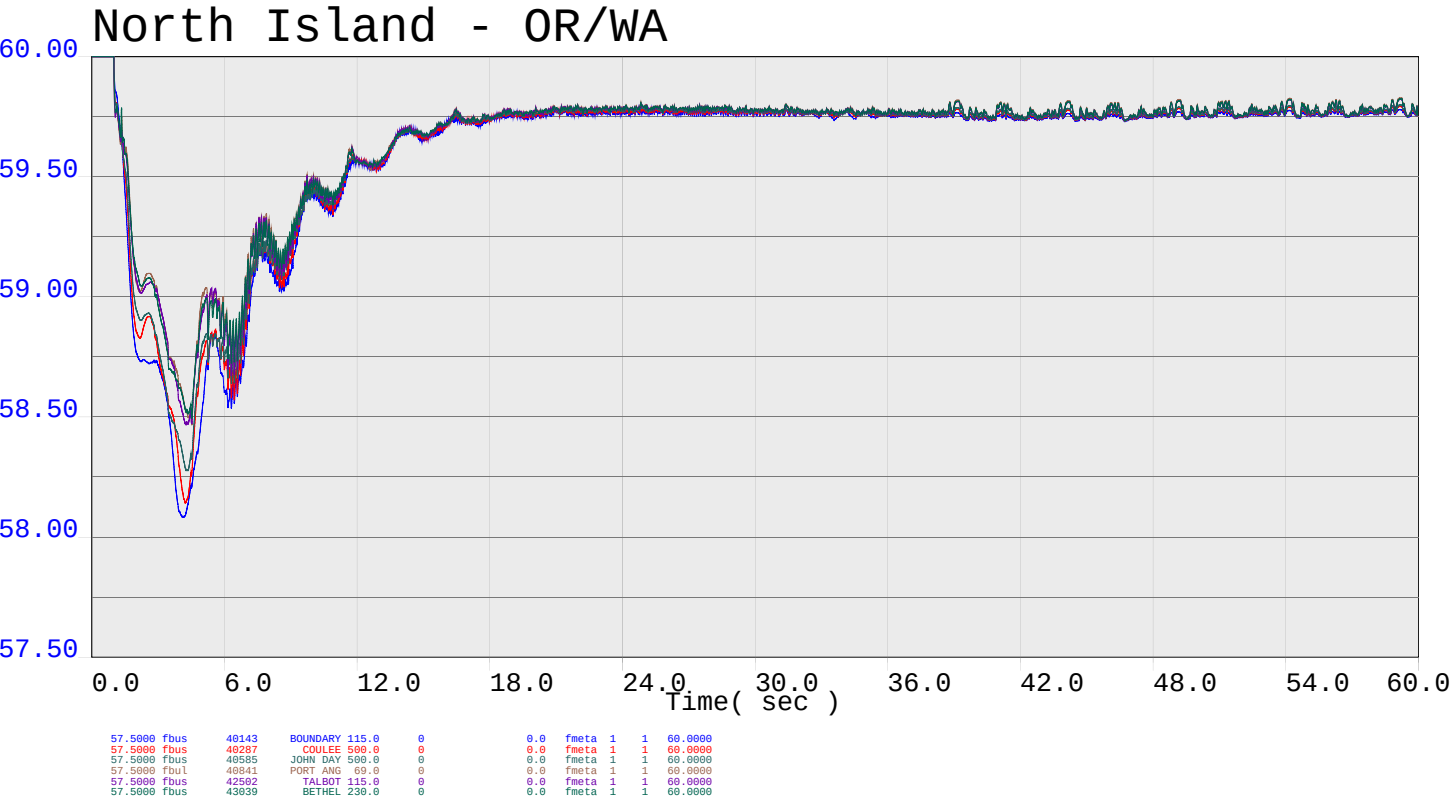
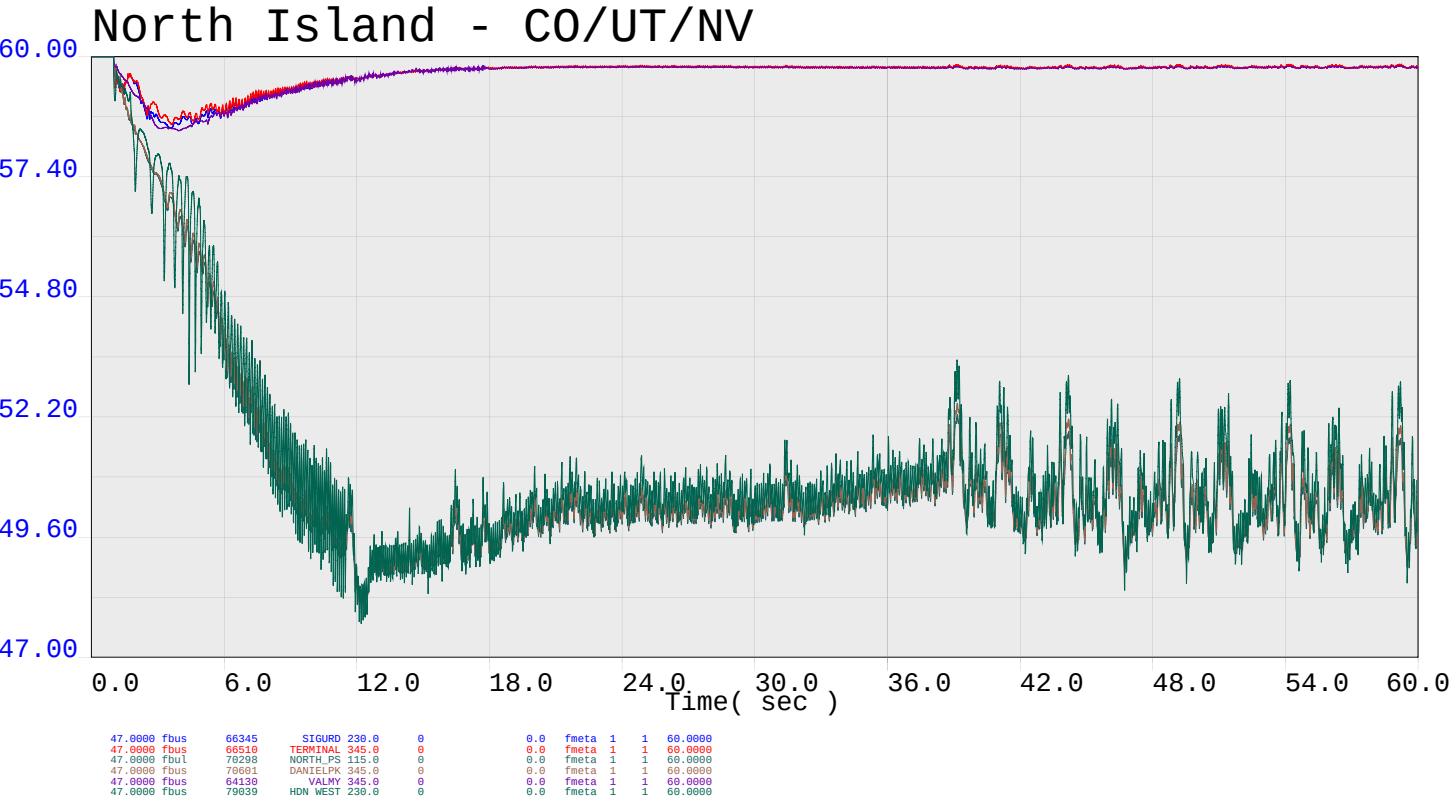
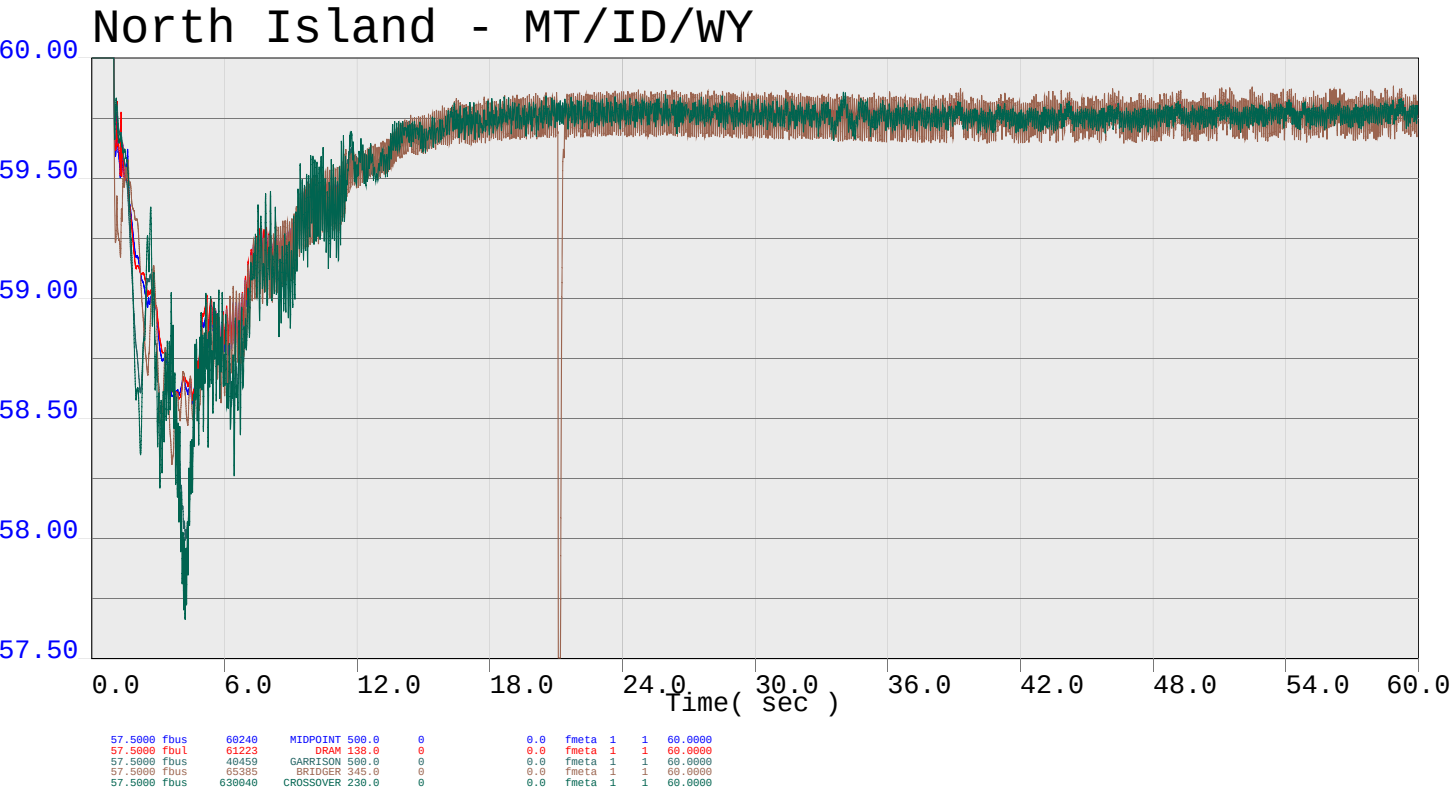
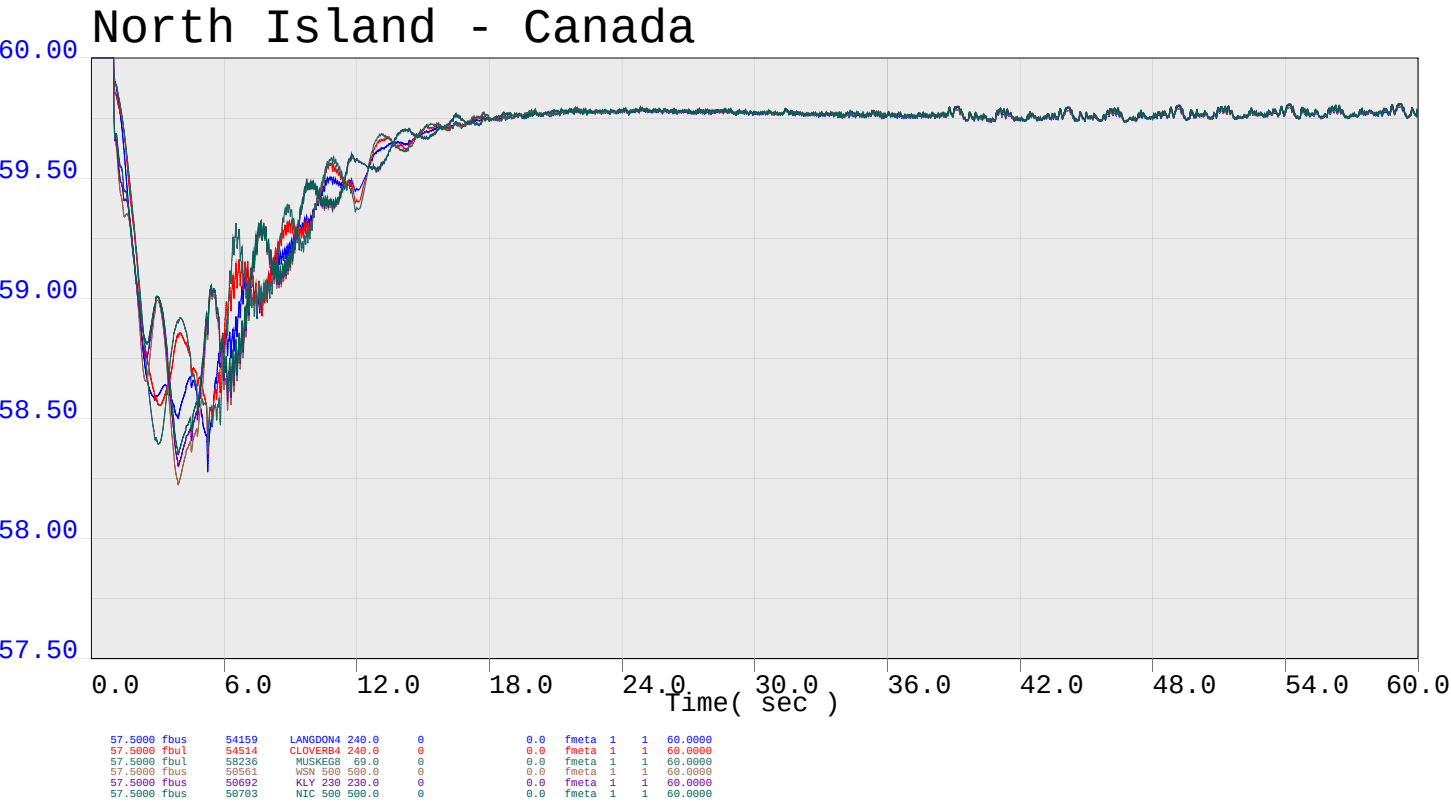
WECC ISLAND: 2019 HS3 - 20% Imbalance



WECC ISLAND: 2019 HS3 - 20% Imbalance

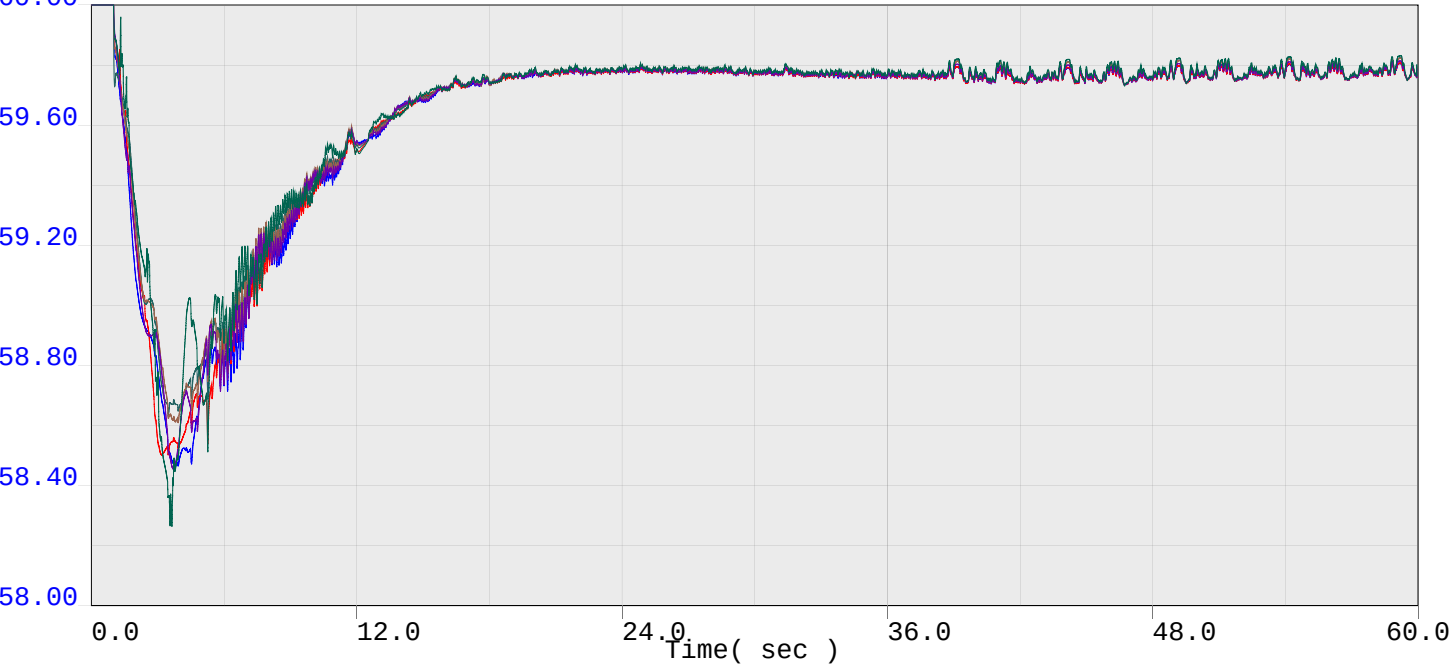


WECC ISLAND: 2019 HS3 - 25% Imbalance



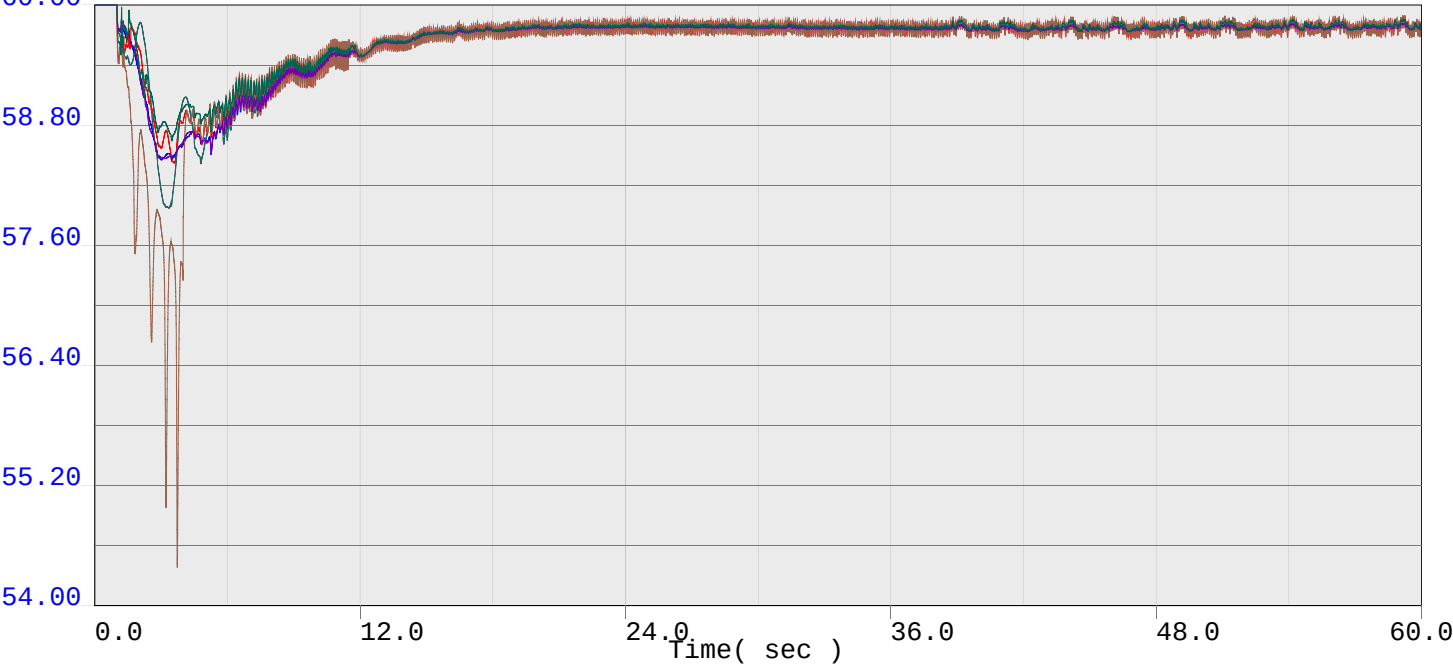
WECC ISLAND: 2019 HS3 - 25% Imbalance

South Island - N. CA



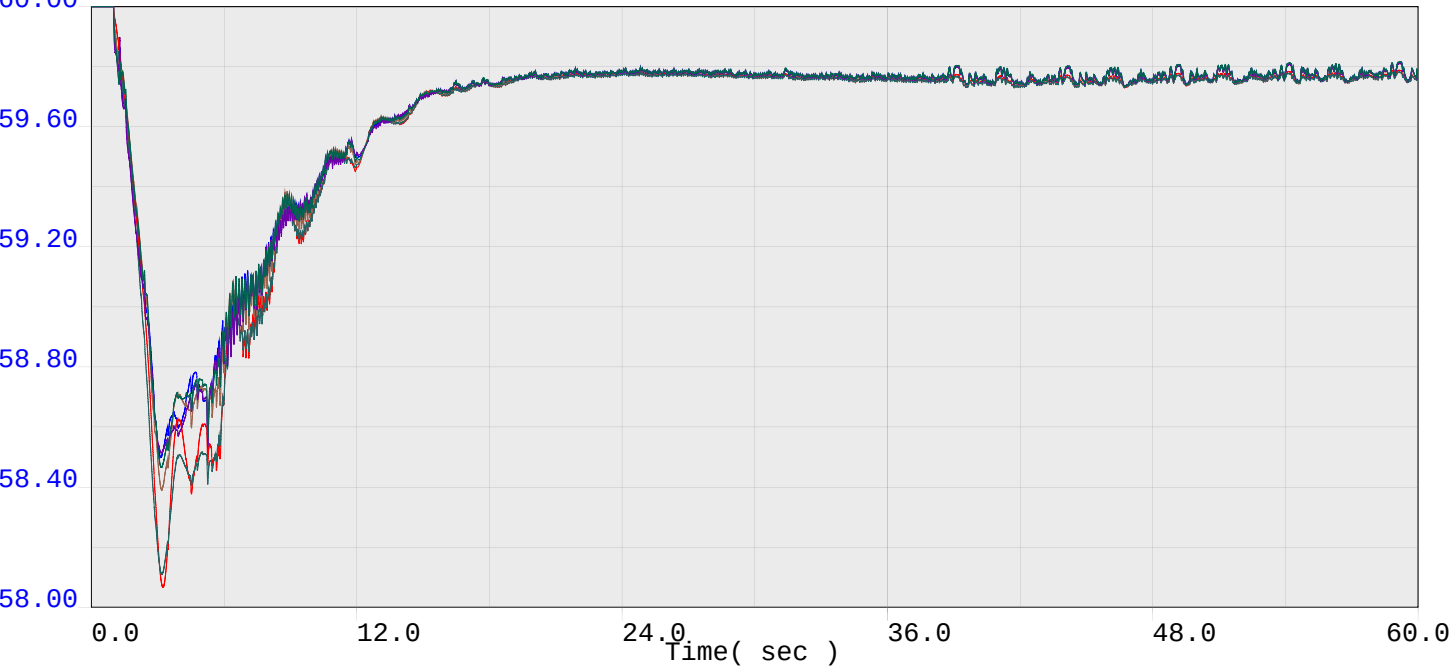
58.0000 fbus	30005	ROUND MT 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	30050	MIDWAY 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	30010	GREGG 230.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbul	35120	NEWARK D 115.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	27540	FOLSOM 230.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbul	24212	RECTOR 66.0	0	0.0	fmeta	1	1	60.0000

South Island - AZ/NM



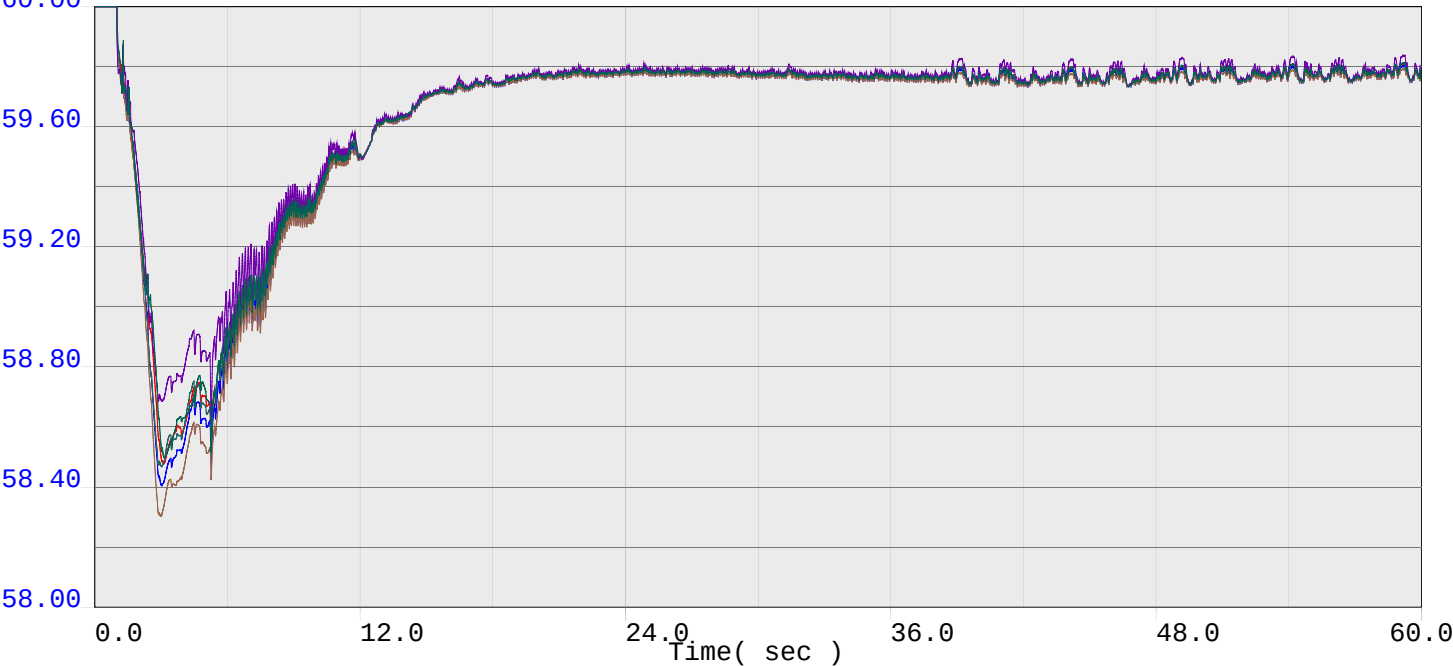
54.0000 fbus	14002	MOENKOPI 500.0	0	0.0	fmeta	1	1	60.0000
54.0000 fbus	16390	RIOPUER 345.0	0	0.0	fmeta	1	1	60.0000
54.0000 fbus	12002	ALANDOPG 115.0	0	0.0	fmeta	1	1	60.0000
54.0000 fbul	12101	GLADSTON 230.0	0	0.0	fmeta	1	1	60.0000
54.0000 fbul	19061	PHONAPPA 230.0	0	0.0	fmeta	1	1	60.0000
54.0000 fbul	160426	TUCSON 47.2	0	0.0	fmeta	1	1	60.0000

South Island - S. CA/Mexico



58.0000 fbus	26094	SYMARLA 230.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbul	20118	ROA-230 230.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	22360	IMPRLVLY 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbul	22444	MESA RIM 60.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	24150	VINCENT 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbul	24553	SONGS_L 12.5	0	0.0	fmeta	1	1	60.0000

South Island - S. CA/NV



58.0000 fbus	26048	MCULLIGH 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	26105	VICTORVL 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	18015	DECATUR 230.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	18425	HA CC 500.0	0	0.0	fmeta	1	1	60.0000
58.0000 fbul	180067	DECATUR3 12.5	0	0.0	fmeta	1	1	60.0000
58.0000 fbus	24049	ELSEGNDO 230.0	0	0.0	fmeta	1	1	60.0000

