Signal Quality Monitoring (SQM)

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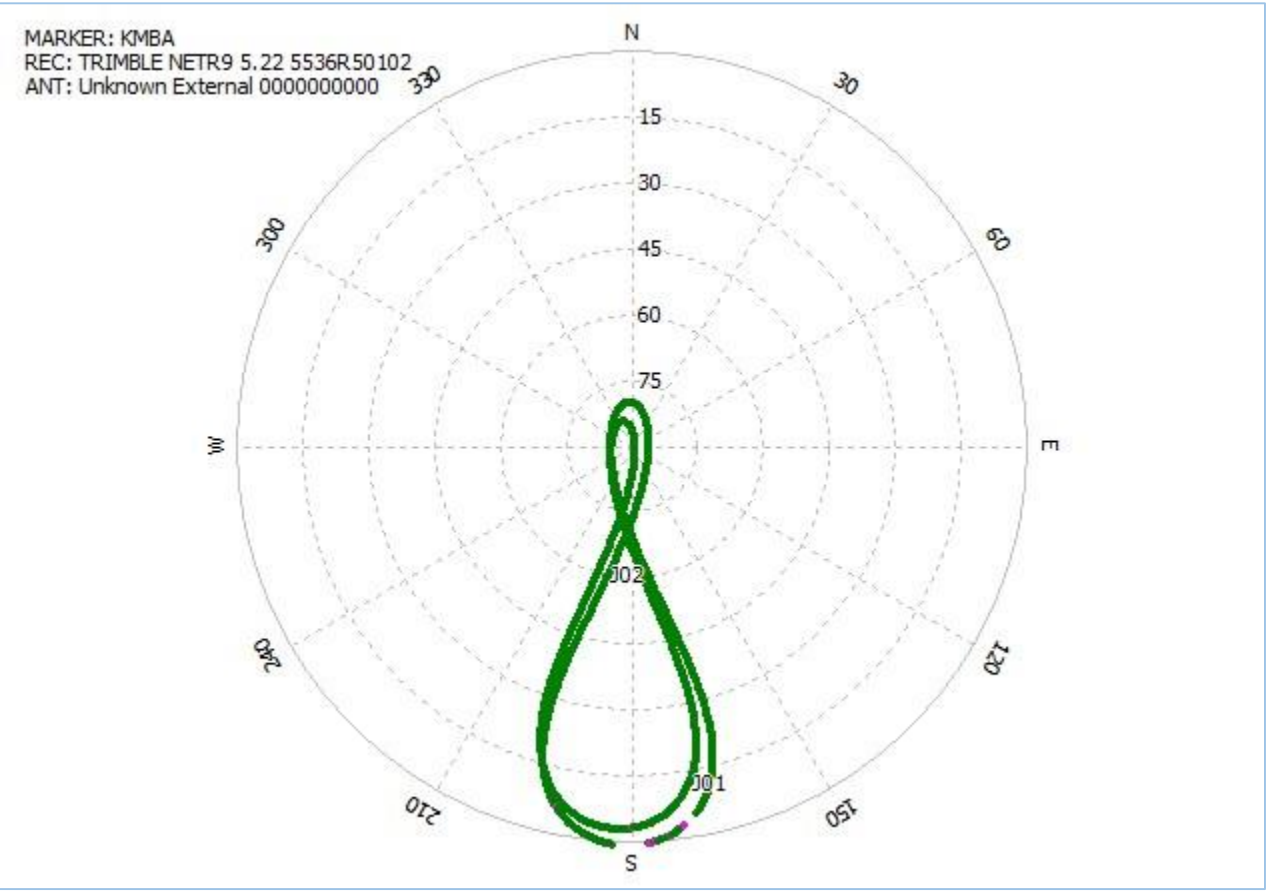
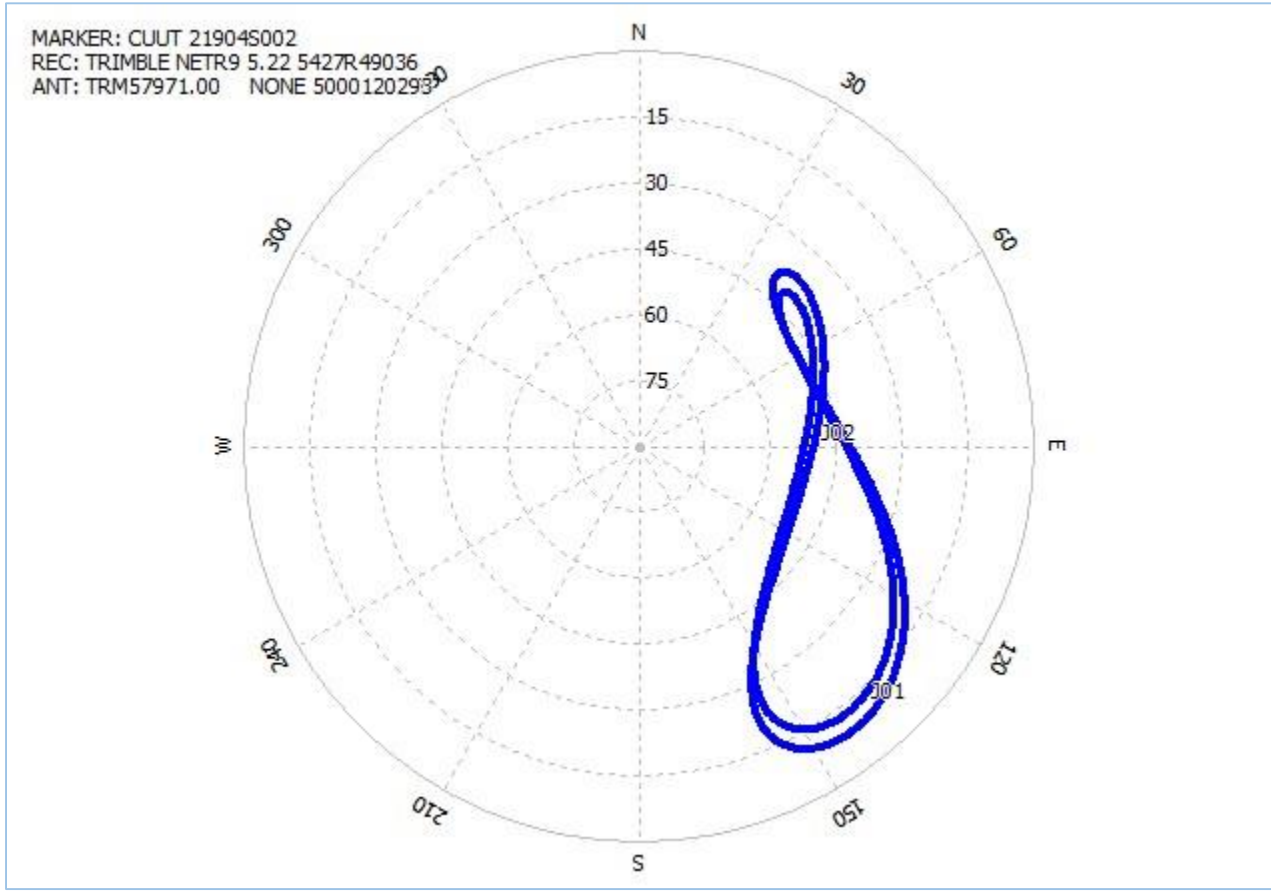
QZSS Visibility in Tokyo and Bangkok

Tokyo-A Base-Station



Chula Base-Station



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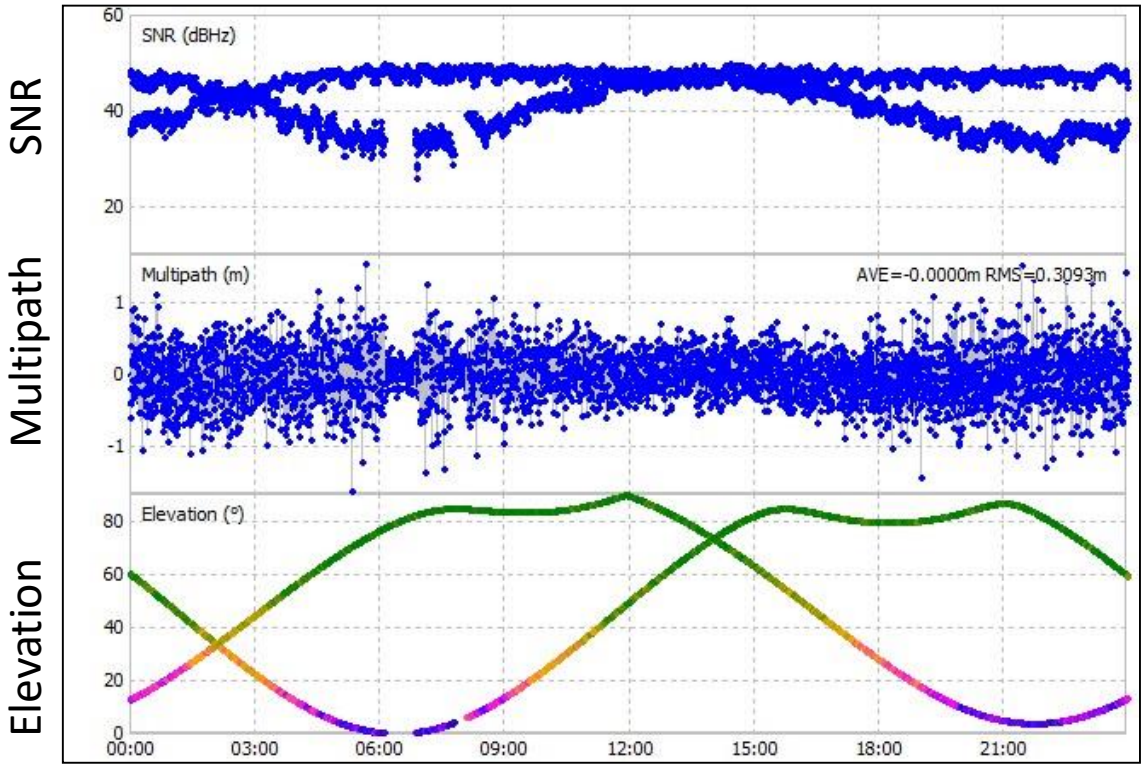
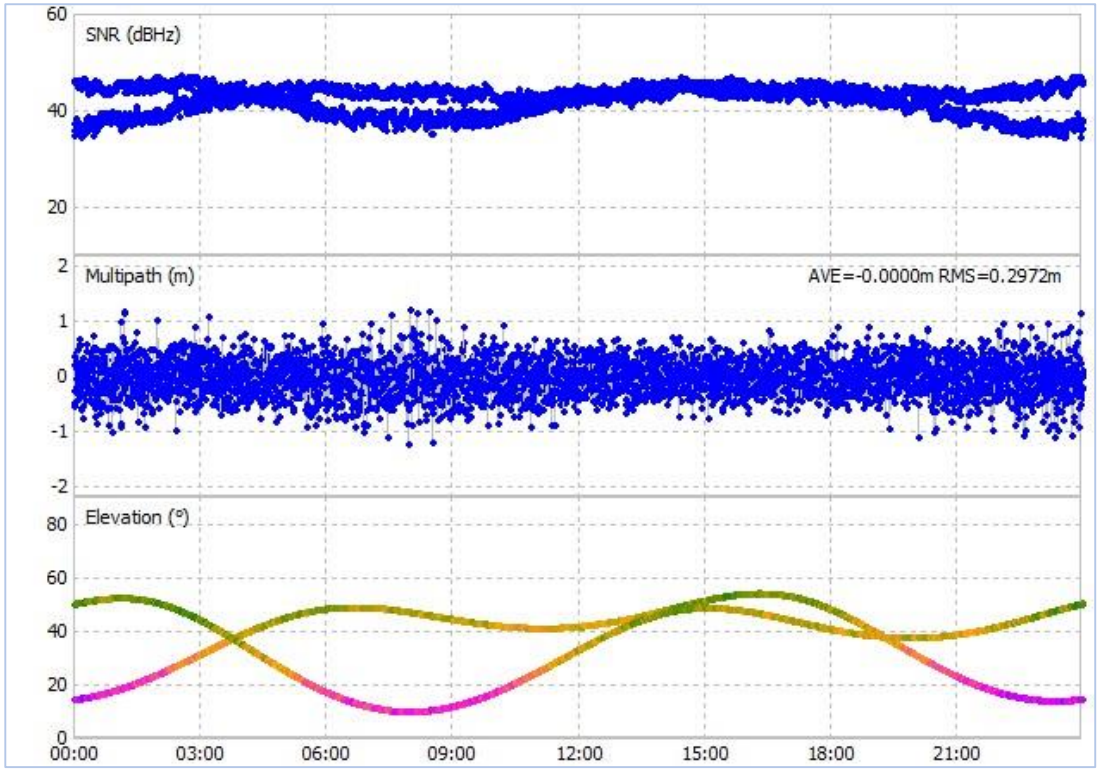
Multipath, SNR and Elevation for QZSS 1 & 2

Tokyo-A Base-Station



Chula Base-Station



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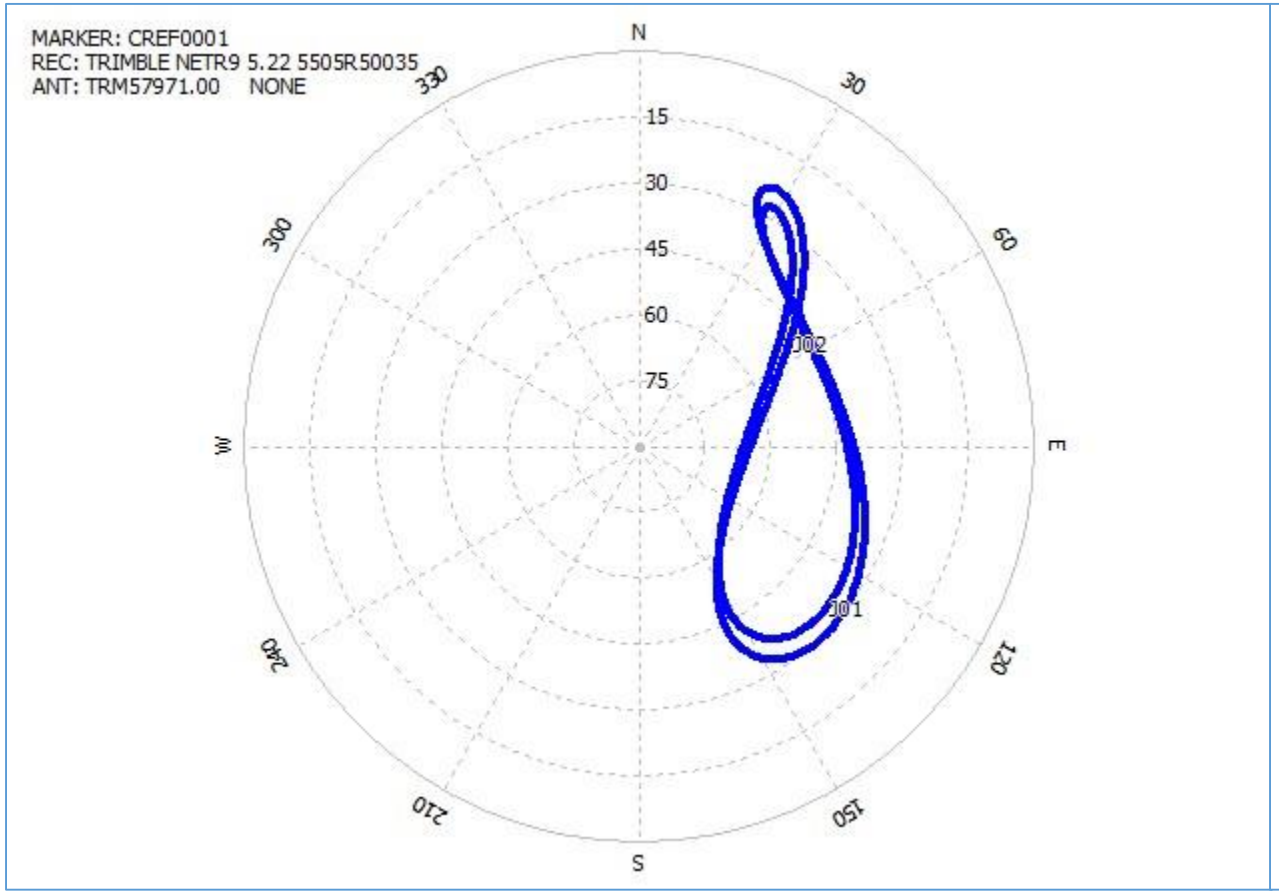
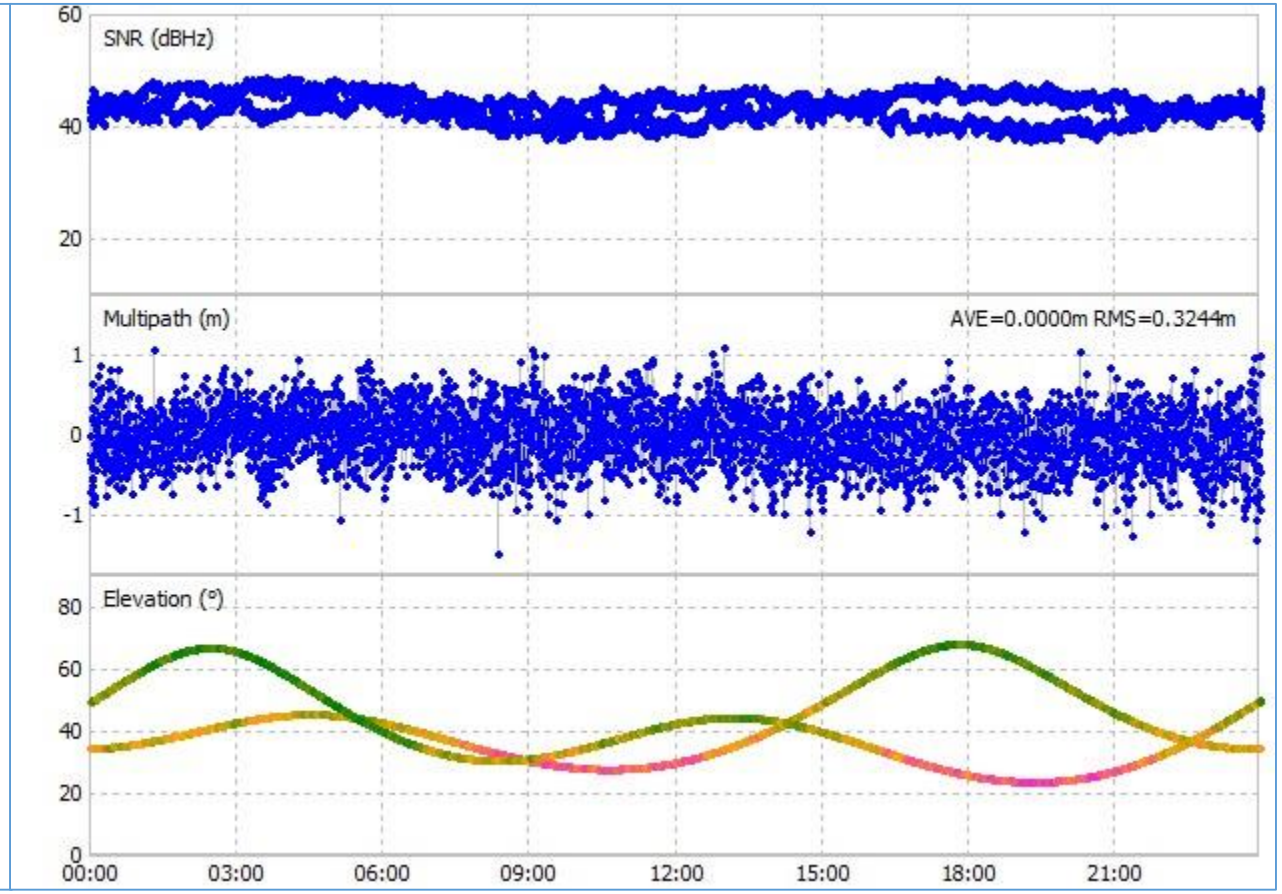
QZSS Visibility in Jakarta





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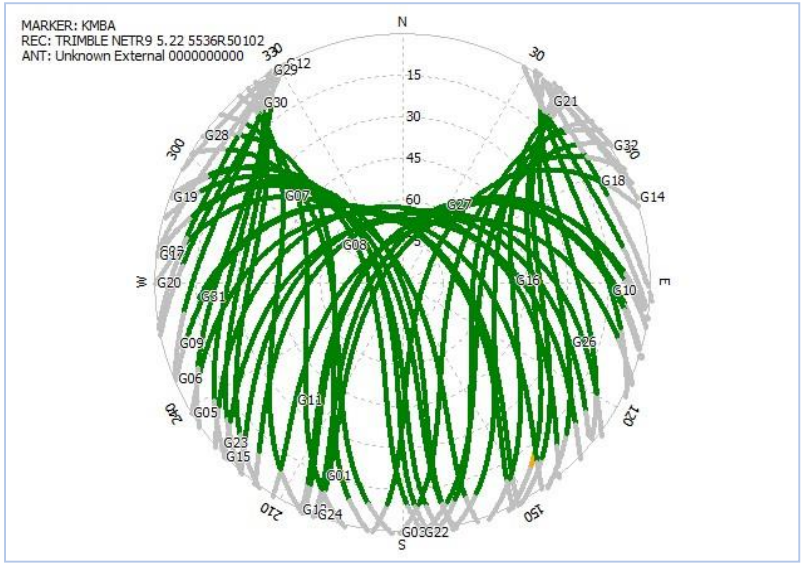
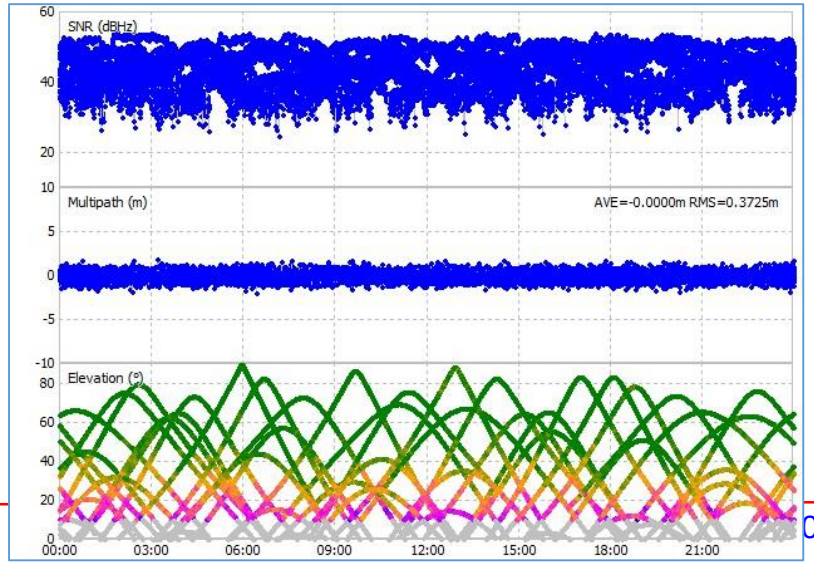
International Committee on Global Navigation Satellite Systems

Asian Institute of Technology

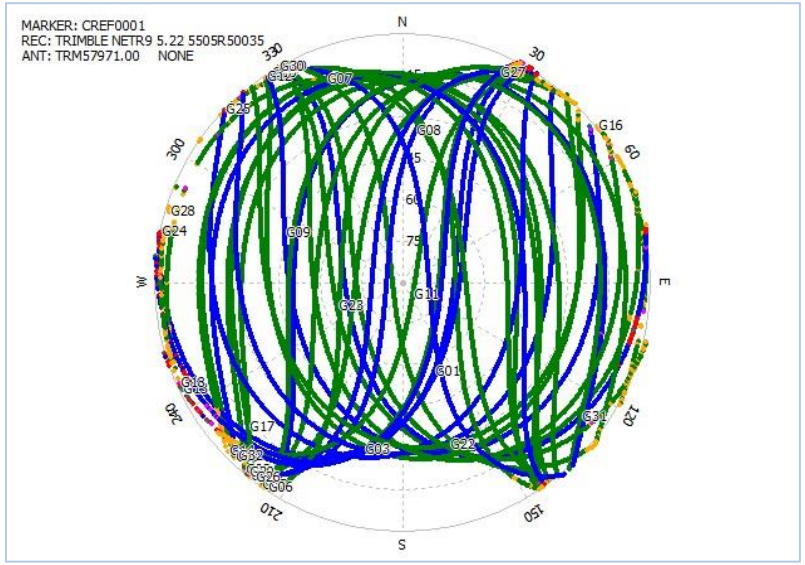
GPS Skyplots: Tokyo, Jakarta and Maputo

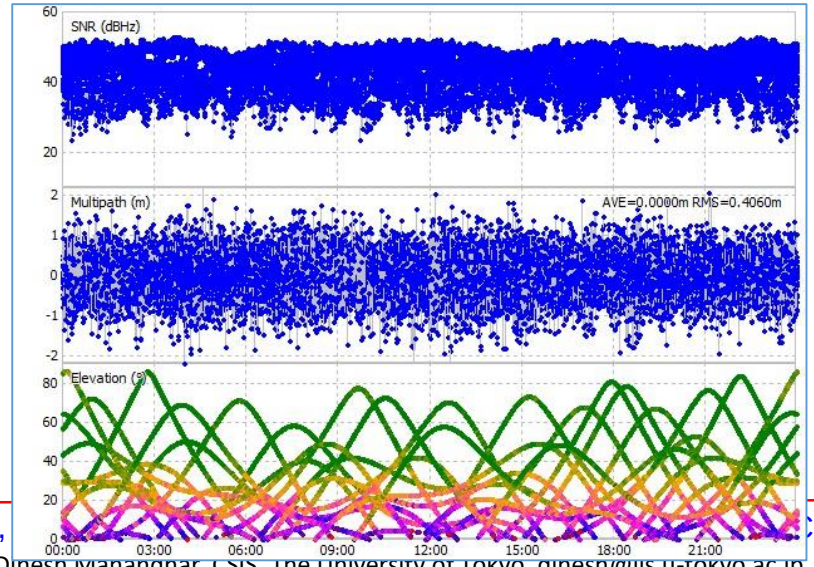
Tokyo-A Base-Station



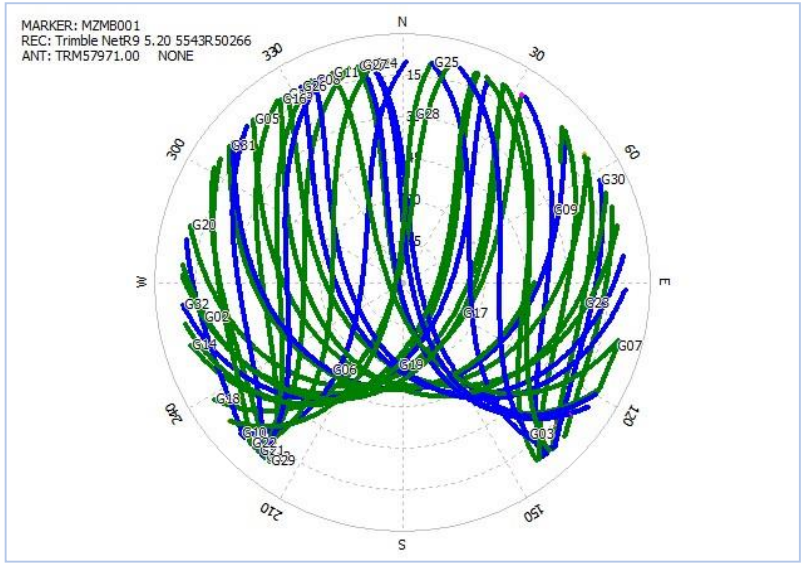


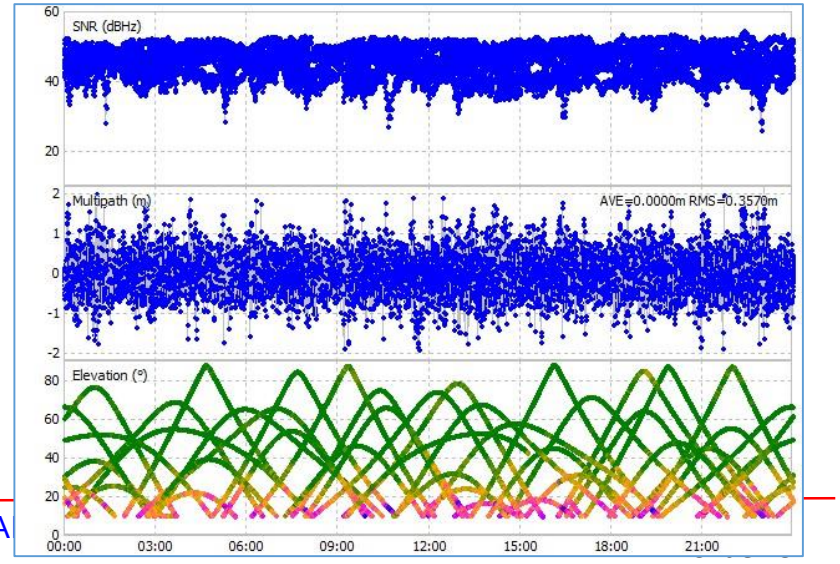
Jakarta Base-Station





Maputo Base-Station





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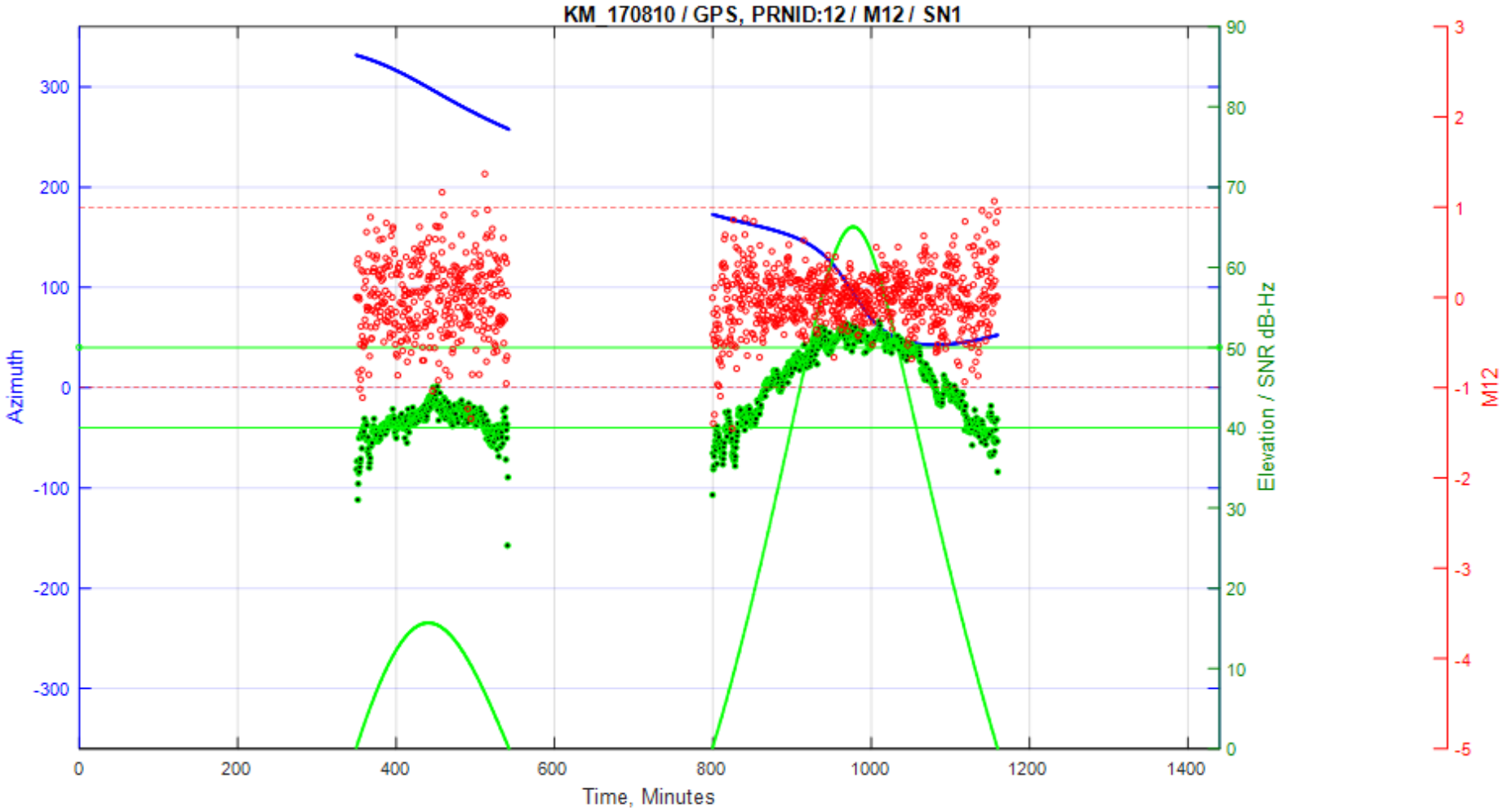
SQM of GPS Signal, Tokyo Base-Station



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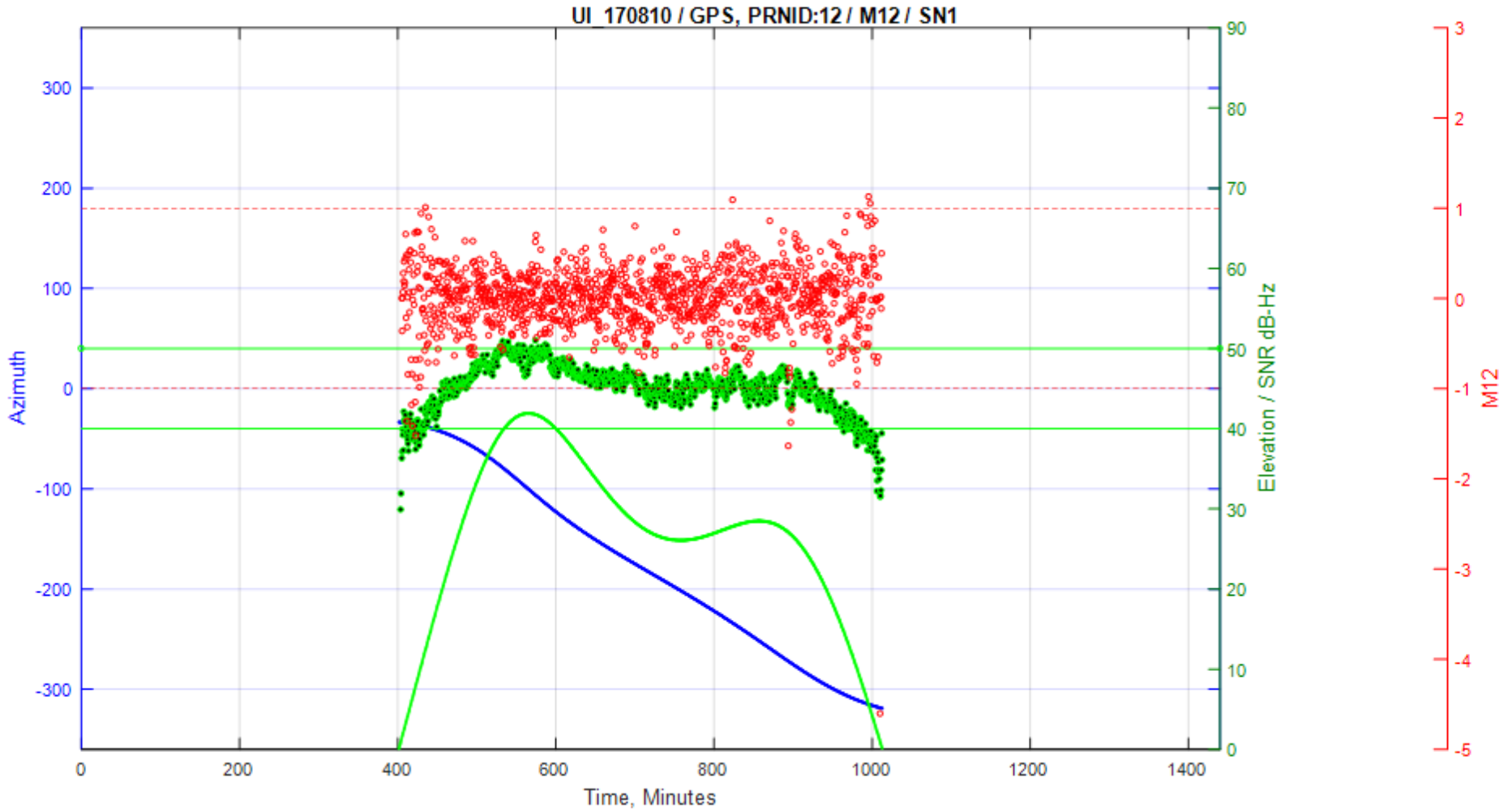
SQM of GPS Signal, Jakarta Base-Station



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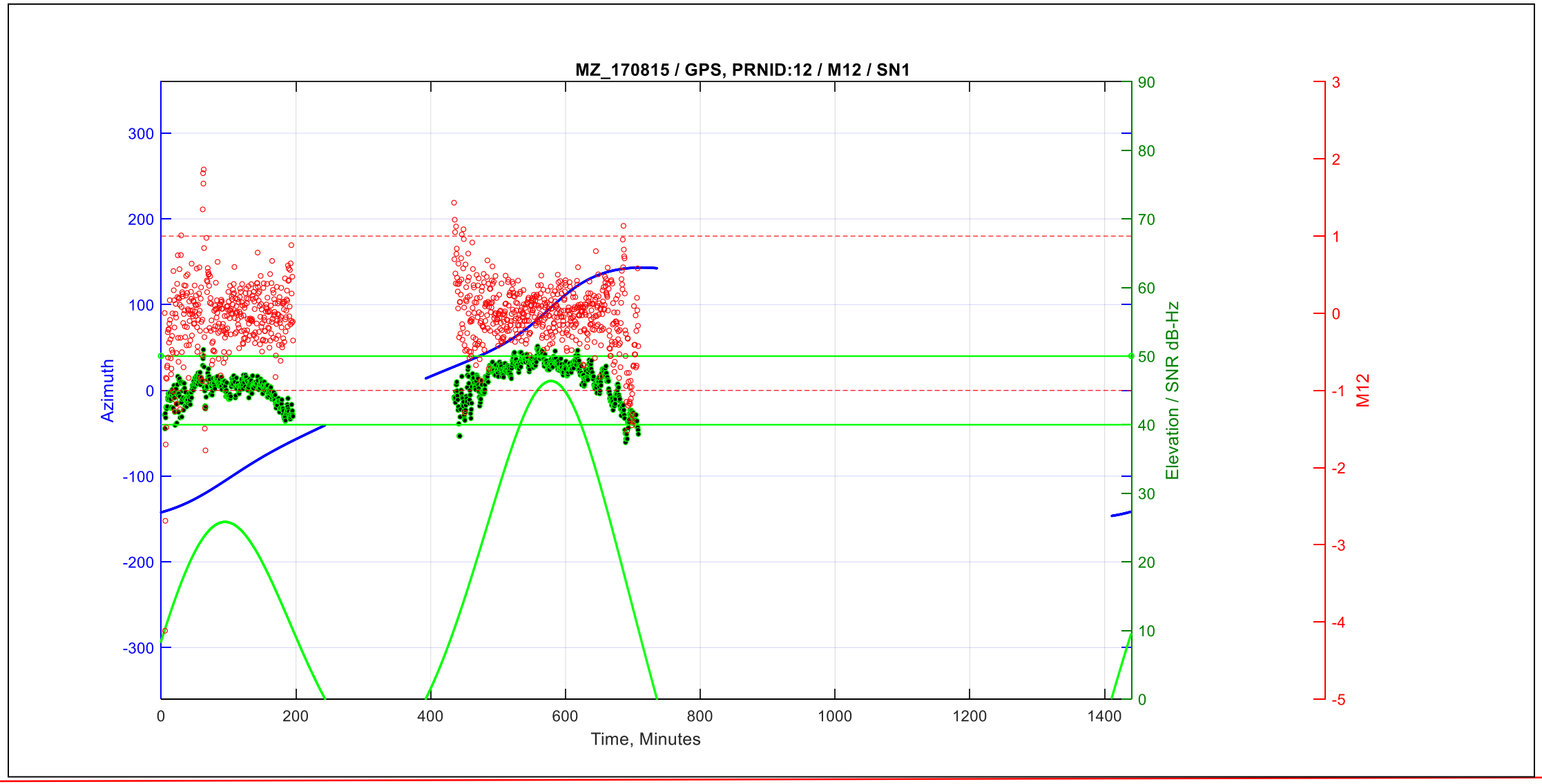
SQM of GPS Data, Maputo Base-Station



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Mean SNR Values for 24 Hours

ID	SNR of L1 GPS	SNR of L2 GPS	SNR of L5 GPS	SNR of E5B (GALILEO)	SNR of E5(a+b) GALILEO
Jakarta	43.62	34.39	45.24	44.17	47.56
Bangkok	43.79	35.04	45.34	43.54	47.43
Manila	44.20	34.81	46.37	45.47	51.32
Tokyo-A	43.57	34.36	NA	44.12	43.56
Tokyo-B	44.75	36.25	46.53	44.63	48.34
Maputo	45.34	36.84	47.19	45.31	49.03

Unit: dB-Hz

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Moving Average Multipath Values for 24 Hours

GALILEO

ID	mp 12	mp 21	mp 15	mp 51	mp 17	mp 71	mp 18	mp 81
Jakarta	0.37	0.45	0.33	0.33	0.84	0.89	0.86	0.83
Bangkok	0.30	0.33	0.28	0.29	0.89	0.95	0.90	0.88
Manila	0.52	0.61	0.37	0.57	0.69	0.85	0.71	0.66
Tokyo-A	0.32	0.47	NA	NA	0.99	1.05	1.02	1.02
Tokyo-B	0.39	0.43	0.25	0.33	0.79	0.86	0.80	0.80
Maputo	0.49	0.44	0.32	0.36	0.49	0.57	0.50	0.42

Unit: meter

L7/C7 == phase/pseudorange of E5b

L8/C8 == phase/pseudorange of Galileo E5a+b

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