Generated using SPIRIIT on: 06/06/2024 22:46:51 IST



Input File Name: IITK00IND_R_20230010000_01D_30S_MO.rnx

Reference Ellipsoid: WGS84

Constellation: Combined GPS and NavIC (IRNSS)

Band used : GPS(L1) + NavIC(L5)

Processed data start time: 2023-01-01 00:00:00 UTC

Processed data end time: 2023-01-01 00:14:30 UTC

Data Interval: 30.0 seconds

Processing mode: Single Point Positioning

Processing technique: WLS

Estimated vs. True Coordinates

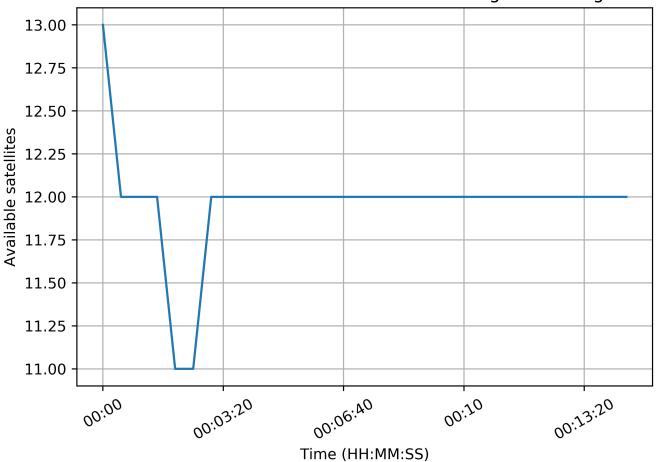
	X (m)	Y (m)	Z (m)
True Coords.	968879.589	5628035.887	2830901.014
Estimated (mean) Coords.	968877.527	5628033.440	2830899.277

Error statistics (in meters)

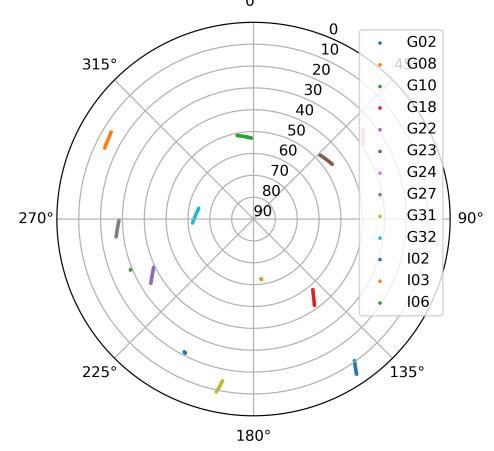
Error statistics (in inecers)						
Parameter	Maximum error (3D)	Minimum error (3D)	RMSE (3D)			
Position error	10.309	1.377	4.443			
	Standard deviation (X)	Standard deviation (Y)	Standard deviation (Z)			
Std. Dev	0.609	2.250	1.024			
	Semi Major axis	Semi Minor axis				
2 sigma error ellipse	4.638	0.984				
	Radius					
Circular Error Probable	1.766					







Sky Plot of Satellites 0°

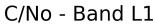


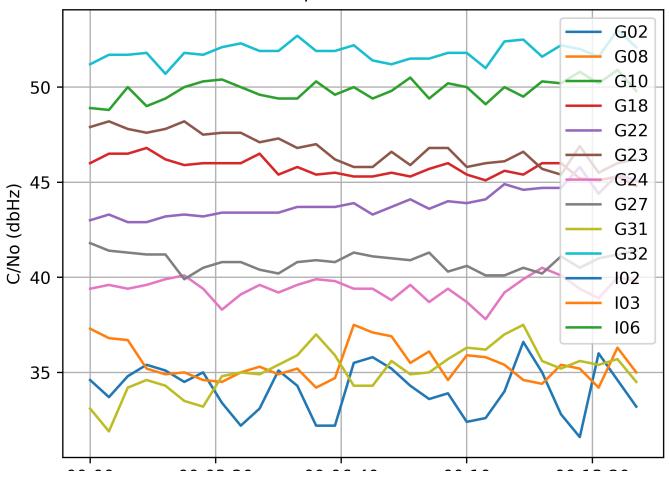
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TECHNOLOGY STATES

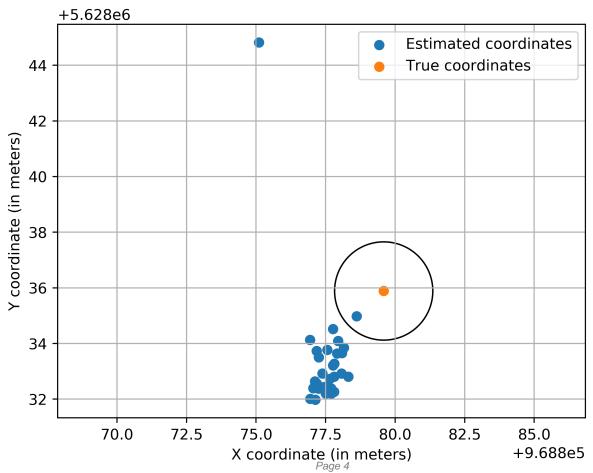
	Average C/No - L1 (dBHz)	Maximum C/No - L1 (dBHz)	Minimum C/No - L1 (dBHz)	Std. Dev C/No - L1 (dBHz)
G02	34.09	36.6	31.6	1.28
G08	35.47	37.5	34.2	0.94
G10	49.84	50.9	48.8	0.53
G18	45.72	46.8	44.8	0.48
G22	43.89	45.8	42.9	0.74
G23	46.75	48.2	45.4	0.84
G24	39.42	40.5	37.8	0.56
G27	40.82	41.8	39.9	0.46
G31	35.08	37.5	31.9	1.19
G32	51.84	53.0	50.7	0.48
102	0.0	0.0	0.0	0.0
103	0.0	0.0	0.0	0.0
106	0.0	0.0	0.0	0.0





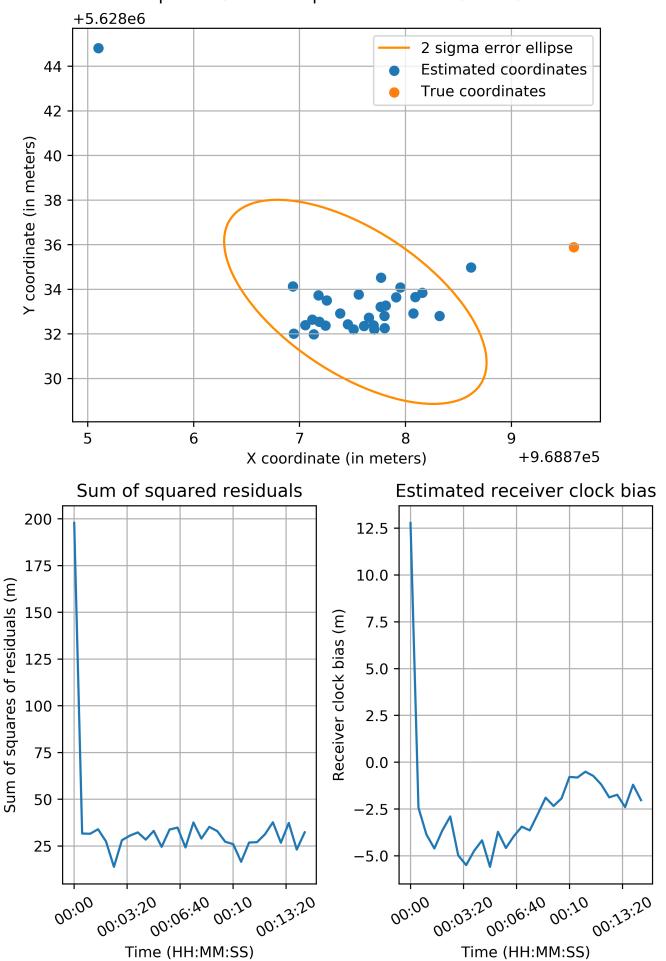


Scatter plot and CEP error plot

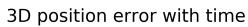


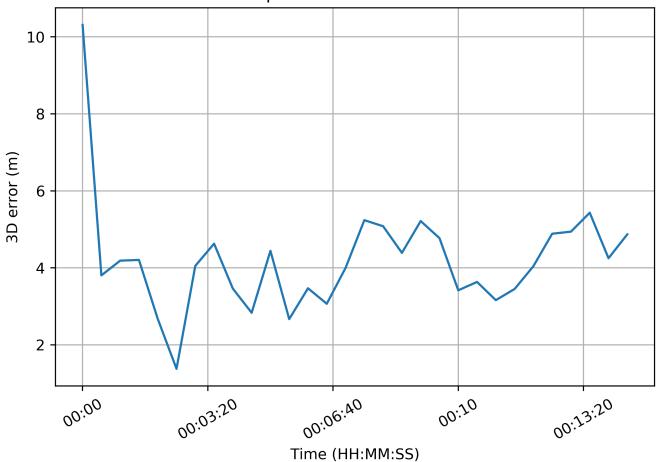


Scatter plot and error ellipse for estimated coordinates

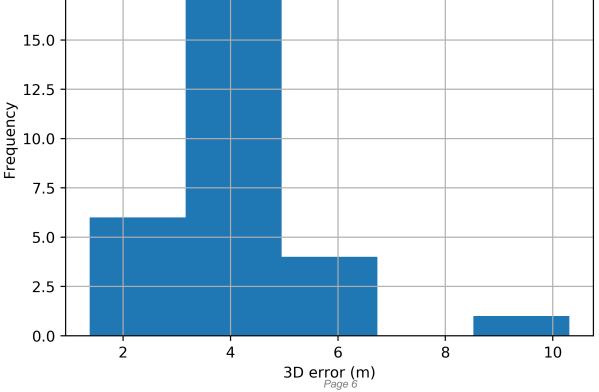




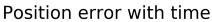


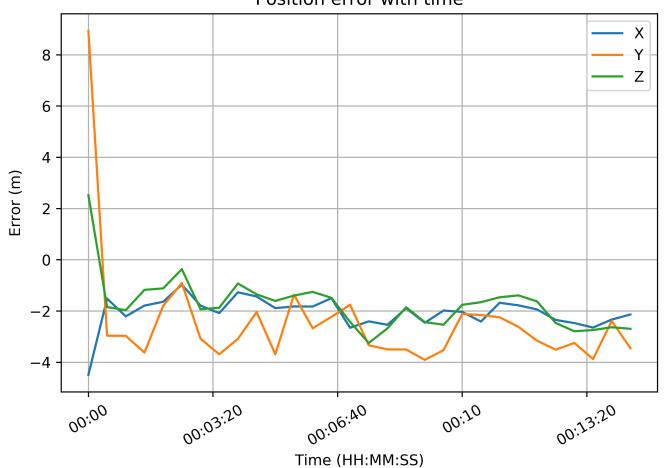


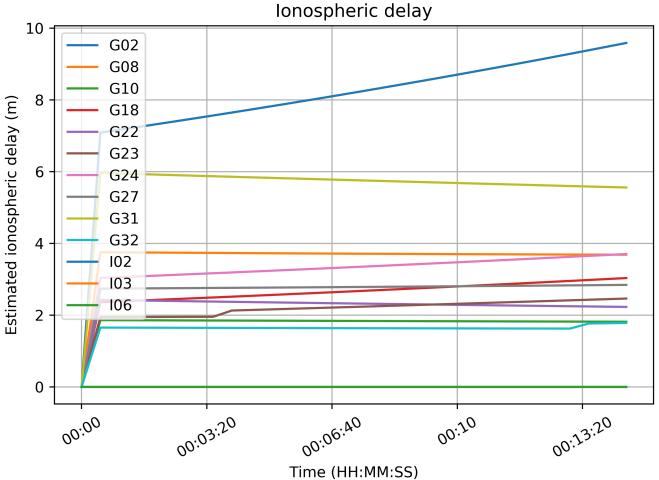
Histogram plot of error











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