Generated using SPIRIIT on: 05/06/2024 16:40:06 IST



Input File Name: IITK00IND\_R\_20223650000\_01D\_30S\_MO.rnx

Reference Ellipsoid: WGS84

Constellation: Combined GPS and NavIC (IRNSS)

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

Processed data start time: 2022-12-31 00:00:00 UTC

Processed data end time: 2022-12-31 00:09:30 UTC

Data Interval: 30.0 seconds

Processing mode: Single Point Positioning

Processing technique: WLS

#### **Estimated vs. True Coordinates**

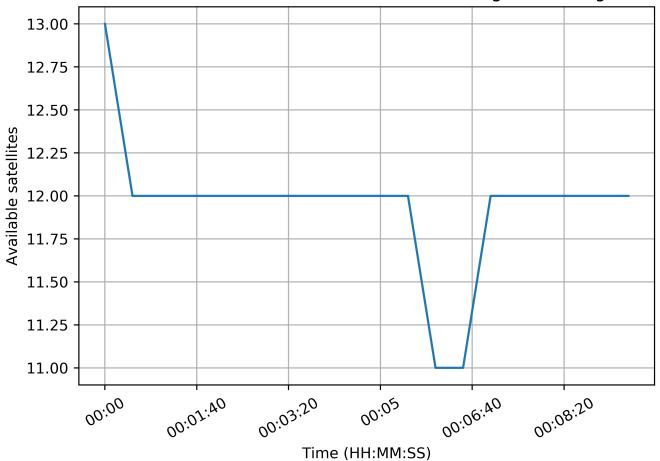
	X (m)	Y (m)	Z (m)
True Coords.	968879.589	5628035.887	2830901.014
Estimated (mean) Coords.	968875.208	5628036.018	2830899.683

**Error statistics (in meters)** 

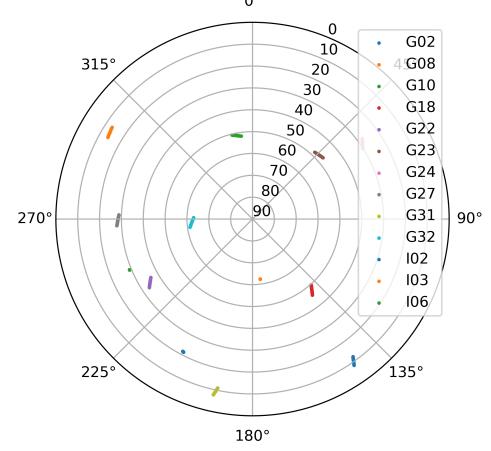
Parameter	Maximum error (3D)	Minimum error (3D)	RMSE (3D)
Position error	14.902	3.446	5.638
	Standard deviation (X)	Standard deviation (Y)	Standard deviation (Z)
Std. Dev	0.753	3.004	1.099
	Semi Major axis	Semi Minor axis	
2 sigma error ellipse	6.250	1.144	
	Radius		
Circular Error Probable	2.343		







# Sky Plot of Satellites

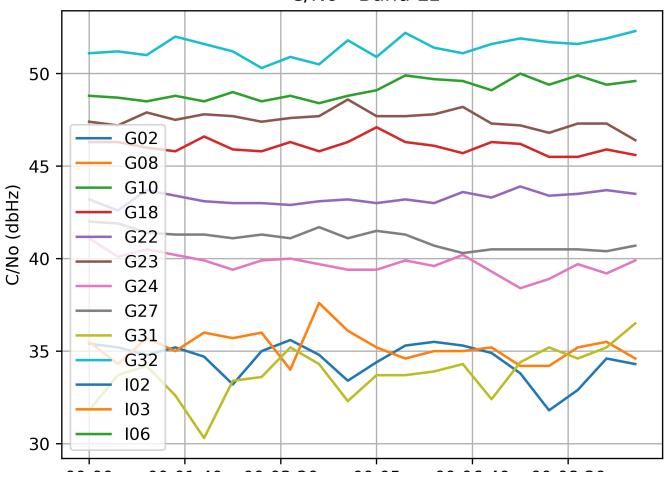


Page 2

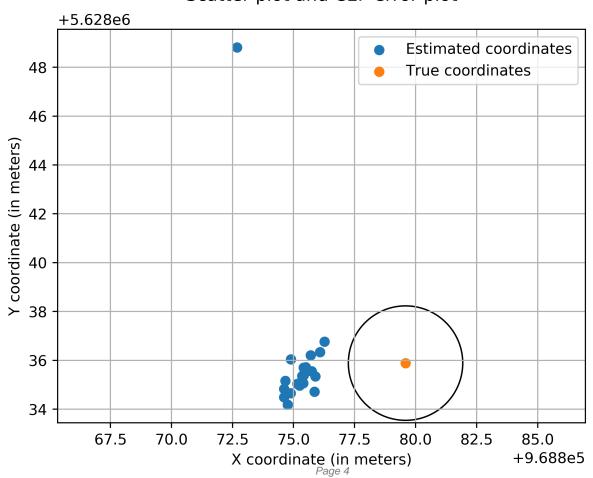
	Average C/No - L1 (dBHz)	Maximum C/No - L1 (dBHz)	Minimum C/No - L1 (dBHz)	Std. Dev C/No - L1 (dBHz)
G02	34.5	35.6	31.8	0.98
G08	35.23	37.6	34.0	0.82
G10	49.12	50.0	48.4	0.51
G18	46.06	47.1	45.5	0.39
G22	43.26	43.9	42.6	0.31
G23	47.52	48.6	46.4	0.46
G24	39.74	41.1	38.4	0.57
G27	41.06	42.0	40.3	0.5
G31	33.76	36.5	30.3	1.36
G32	51.41	52.3	50.3	0.53
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





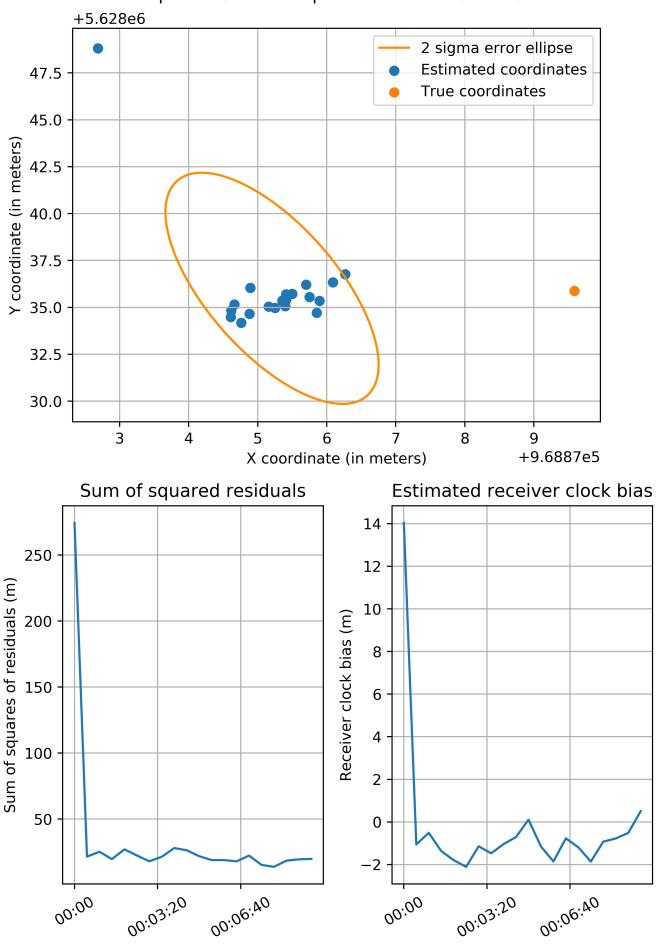


## Scatter plot and CEP error plot





#### Scatter plot and error ellipse for estimated coordinates



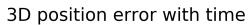
00:00

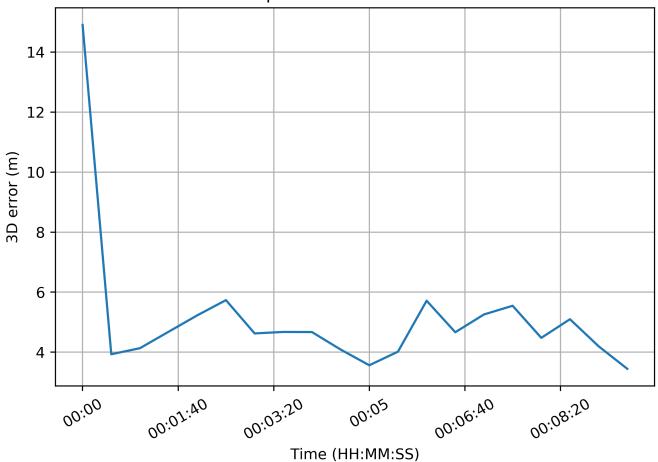
Time (HH:MM:SS)

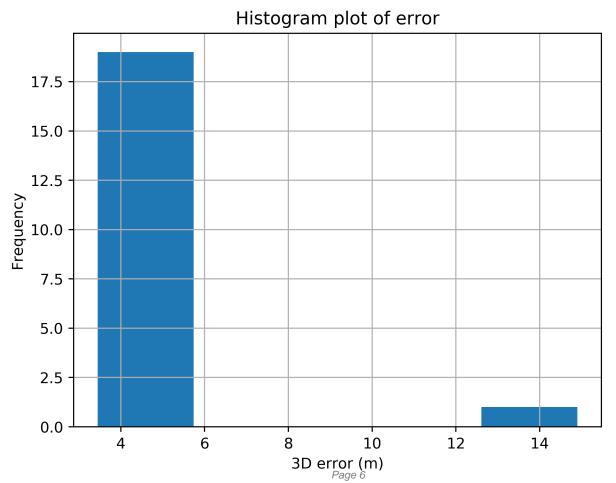
00:00

Time (HH:MM:SS)



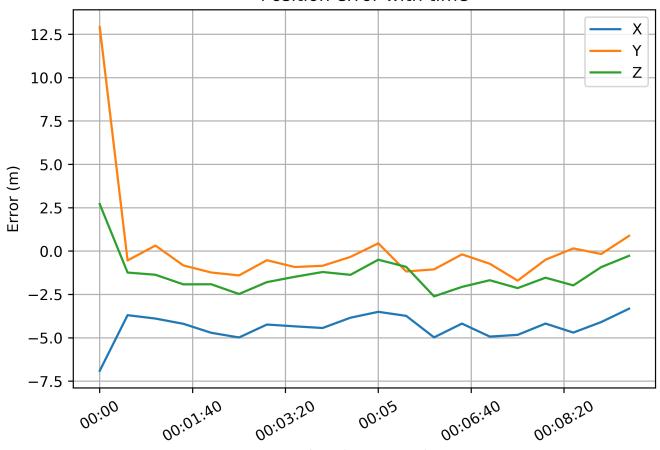




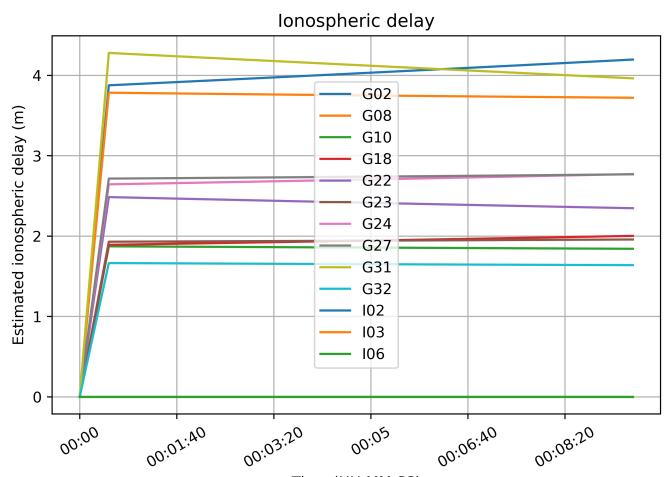








#### Time (HH:MM:SS)



Time (HH:MM:SS)



