Generated using SPIRIIT on: 17/06/2024 14:42:02 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 00:09:30 UTC

Data Interval: 30.0 seconds

Processing mode: Single Point Positioning

Processing technique: WLS

Estimated vs. True Coordinates

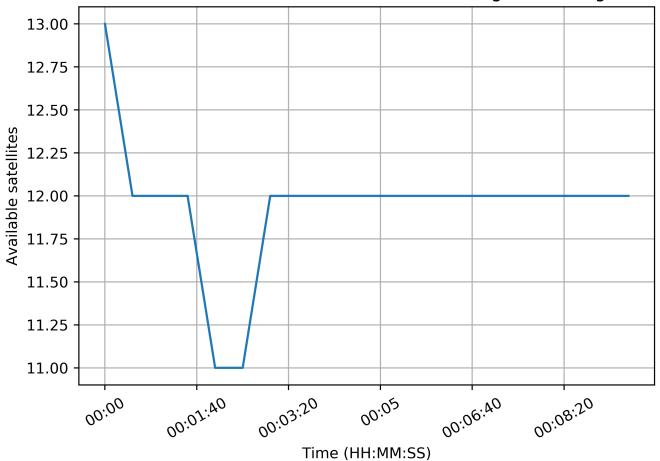
| | X (m) | Y (m) | Z (m) |
|--------------------------|------------|-------------|-------------|
| True Coords. | 968879.589 | 5628035.887 | 2830901.014 |
| Estimated (mean) Coords. | 968877.583 | 5628033.653 | 2830899.468 |

Error statistics (in meters)

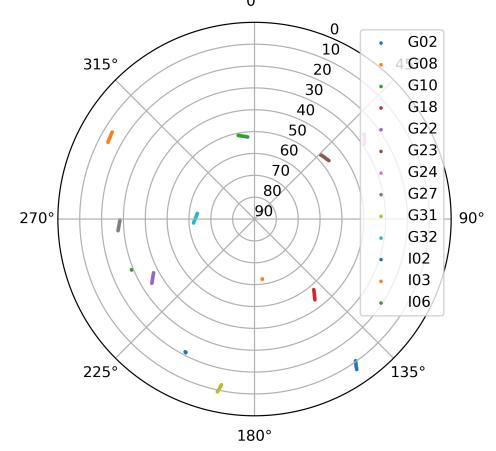
| Parameter | Maximum error (3D) | Minimum error (3D) | RMSE (3D) |
|-------------------------|------------------------|------------------------|------------------------|
| Position error | 10.309 | 1.377 | 4.526 |
| | Standard deviation (X) | Standard deviation (Y) | Standard deviation (Z) |
| Std. Dev | 0.708 | 2.696 | 1.143 |
| | Semi Major axis | Semi Minor axis | |
| 2 sigma error ellipse | 5.623 | 1.047 | |
| | Radius | | |
| Circular Error Probable | 2.122 | | |





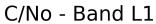


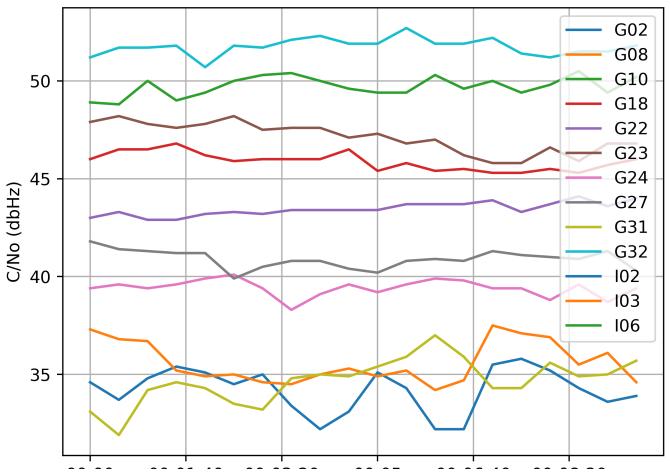
Sky Plot of Satellites



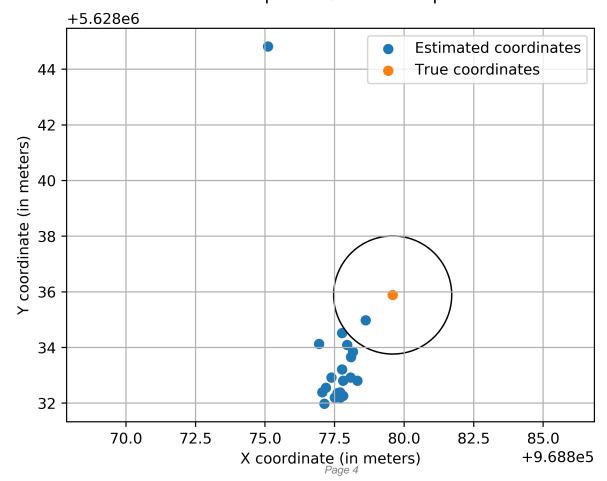
| | Average C/No - L1 (dBHz) | Maximum C/No - L1 (dBHz) | Minimum C/No - L1 (dBHz) | Std. Dev C/No - L1 (dBHz) |
|-----|--------------------------|--------------------------|--------------------------|---------------------------|
| G02 | 34.2 | 35.8 | 32.2 | 1.1 |
| G08 | 35.6 | 37.5 | 34.2 | 1.04 |
| G10 | 49.72 | 50.5 | 48.8 | 0.49 |
| G18 | 45.88 | 46.8 | 45.3 | 0.45 |
| G22 | 43.46 | 44.1 | 42.9 | 0.33 |
| G23 | 47.11 | 48.2 | 45.8 | 0.75 |
| G24 | 39.41 | 40.1 | 38.3 | 0.42 |
| G27 | 40.89 | 41.8 | 39.9 | 0.45 |
| G31 | 34.67 | 37.0 | 31.9 | 1.13 |
| G32 | 51.74 | 52.7 | 50.7 | 0.42 |
| 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 |





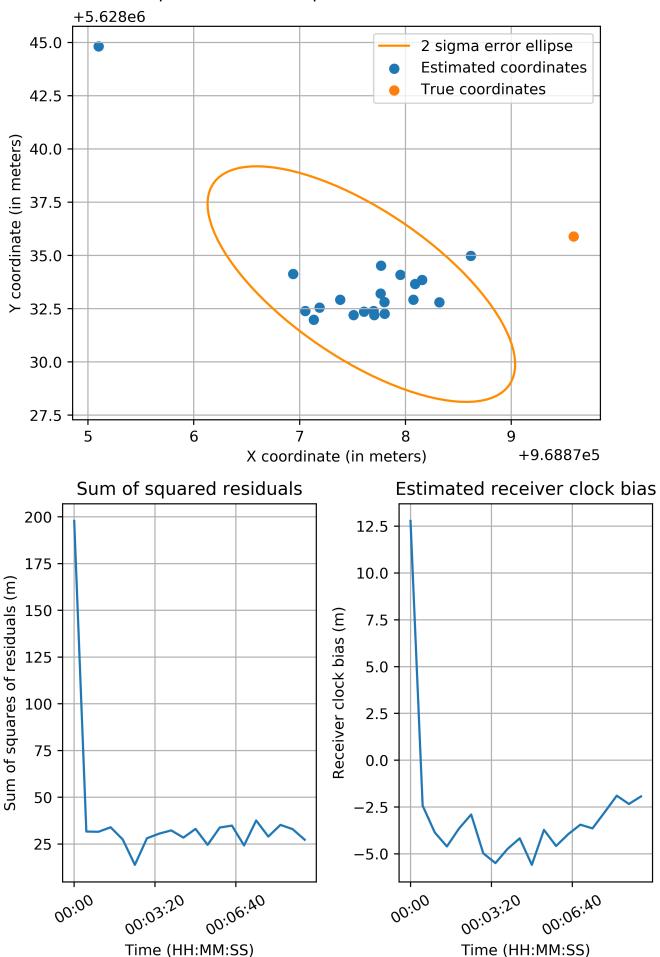


Scatter plot and CEP error plot



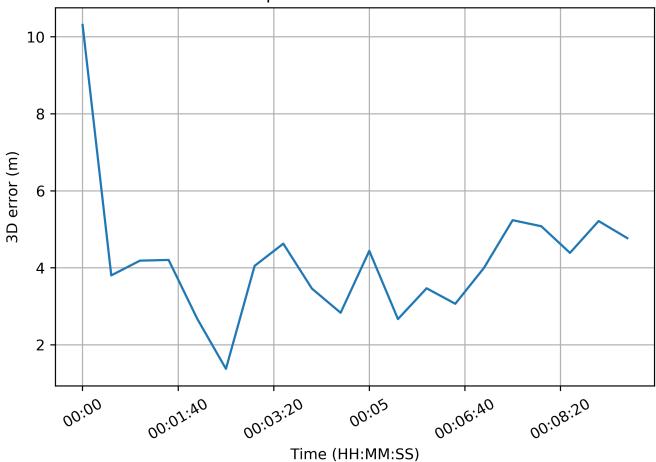


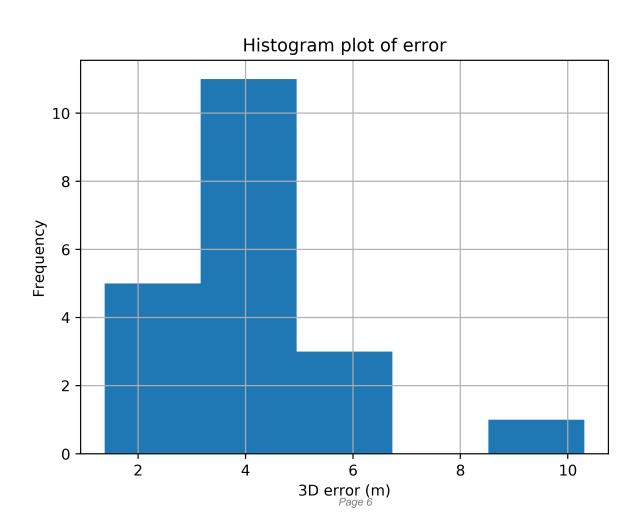
Scatter plot and error ellipse for estimated coordinates



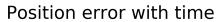


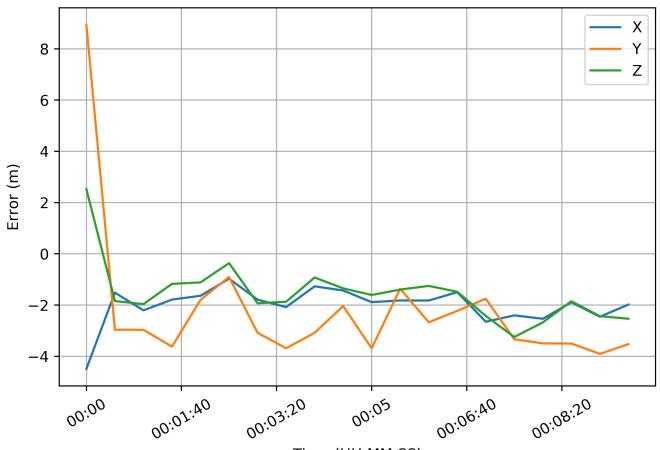






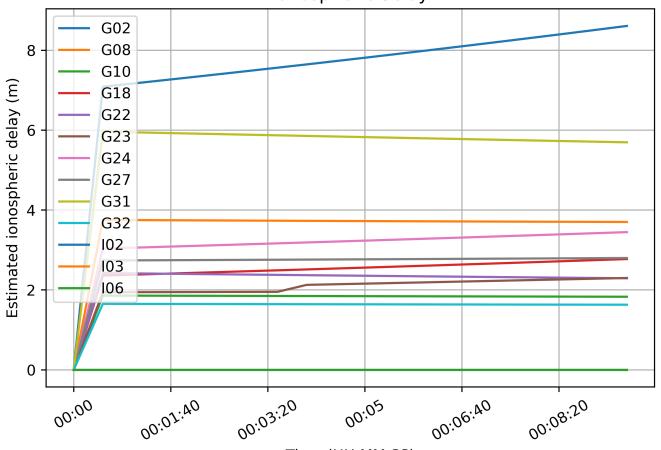






Time (HH:MM:SS)

Ionospheric delay



Time (HH:MM:SS)



