magic GNSS

A product by

gmv

PPP REPORT

User: mdls
Scenario: 20D Kinematic
Start Date: 2015/12/20-00:00:00 (15354)
End Date: 2015/12/21-00:00:00 ()
Run Date: 2016/01/21-12:10:10 UTC

QUALITY DATA, ALGORITHMS AND PRODUCTS
FOR THE GNSS USER COMMUNITY

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Table of Contents

1. CONFIGURATION SUMMARY

1.1. LIST OF STATIONS AND RINEX FILES

Number of stations: 1

gap1

gap1354a.15o, gap1354b.15o, gap1354c.15o, gap1354d.15o, gap1354e.15o, gap1354f.15o, gap1354g.15o, gap1354h.15o, gap1354i.15o, gap1354j.15o, gap1354k.15o, gap1354l.15o, gap1354m.15o, gap1354n.15o, gap1354o.15o, gap1354p.15o, gap1354q.15o, gap1354r.15o, gap1354s.15o, gap1354t.15o, gap1354u.15o, gap1354v.15o, gap1354w.15o, gap1354x.15o

1.2. LIST OF SATELLITES

Number of satellites: 31

G01, G02, G03, G05, G06, G07, G08, G09, G10, G11, G12, G13, G14, G15, G16, G17, G18, G19, G20, G21, G22, G23, G24, G25, G26, G27, G28, G29, G30, G31, G32

1.3. SETTINGS

Mode	Kinematic (Terrestrial)
Data Sampling Rate	300 s
Minimum Elevation Angle	10 deg
Number of Iterations	6
Reference Products	GMV Rapid

Table 1. Settings

2. PROCESSING SUMMARY

2.1. PARAMETER ESTIMATION

Total Measurements	Clock Parameters	Non Clock Parameters	Ambiguities
4862	1156	74	49

Table 2. Parameter estimation

2.2. CONVERGENCE

A priori weight of code measurements: 0.500 m (GPS)

A priori weight of phase measurements: 0.007 m (GPS)

Iteration Number	RMS of Weighted Residuals	Delta RMS of Weighted Residuals	RMS of Code Residuals m	RMS of Phase Residuals m
1	0.618	-0.618	0.244	0.005
2	0.616	0.002	0.244	0.005
3	0.616	0.000	0.244	0.005
4	0.616	0.000	0.244	0.005
5	0.616	0.000	0.244	0.005
6	0.616	0.000	0.244	0.005

Table 3. Convergence

2.3. REJECTED STATIONS AND SATELLITES

Rejected Stations: None

Rejected Satellites: None

2.4. NUMBER OF USED AND REJECTED MEASUREMENTS

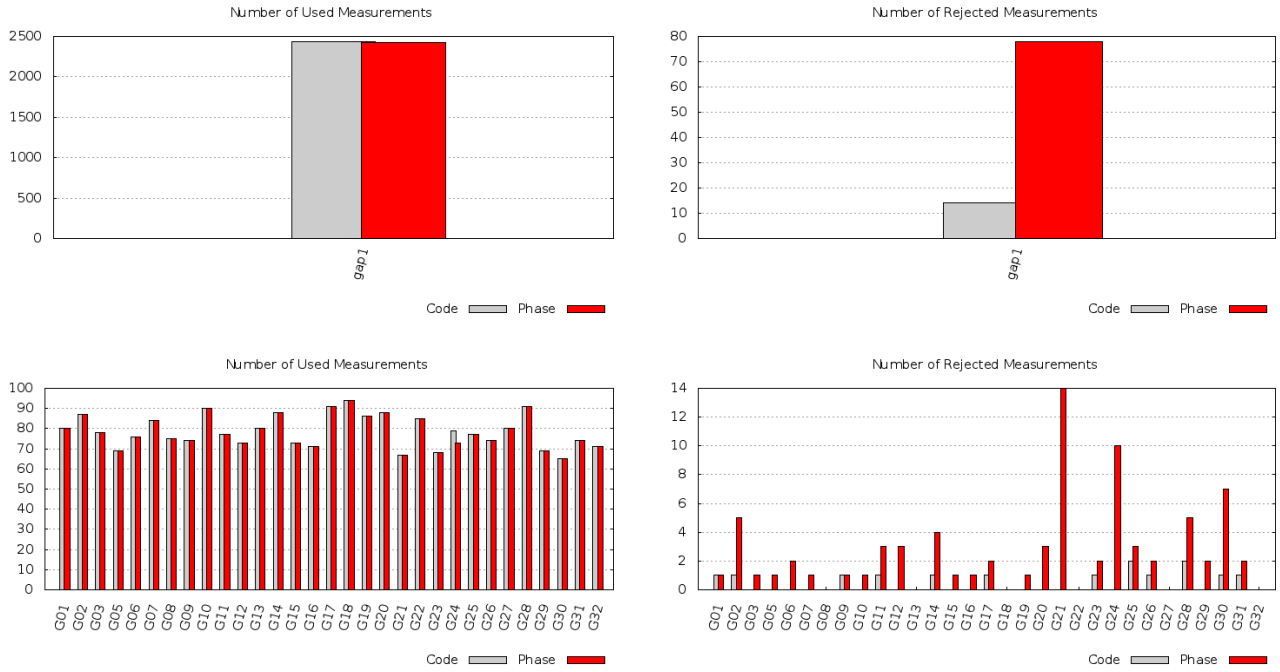


Table 4. Number of Used and Rejected Measurements

2.5. MEASUREMENT RESIDUALS

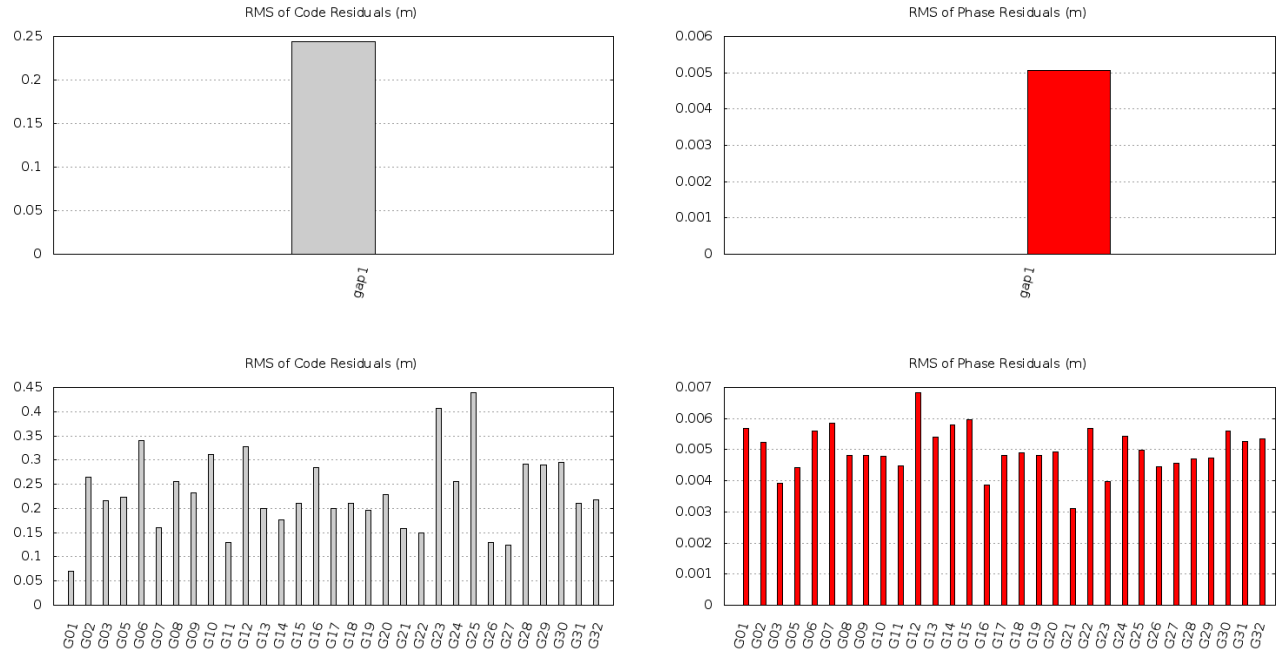


Table 5. RMS of Residuals

2.6. RESIDUALS VS ELEVATION

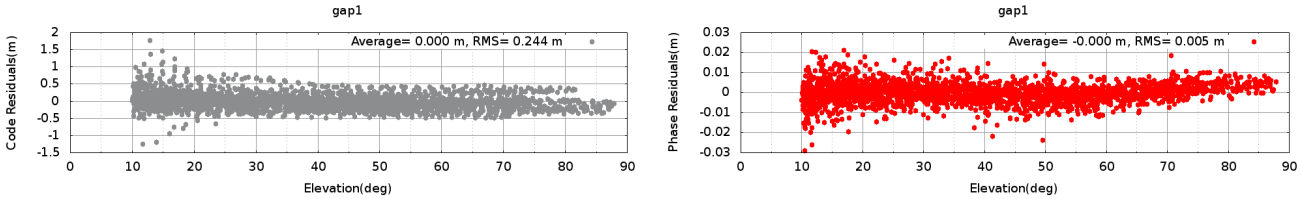


Table 6. Residuals vs. Elevation

3. PRODUCTS SUMMARY

3.1. ZENITH TROPOSPHERIC DELAY

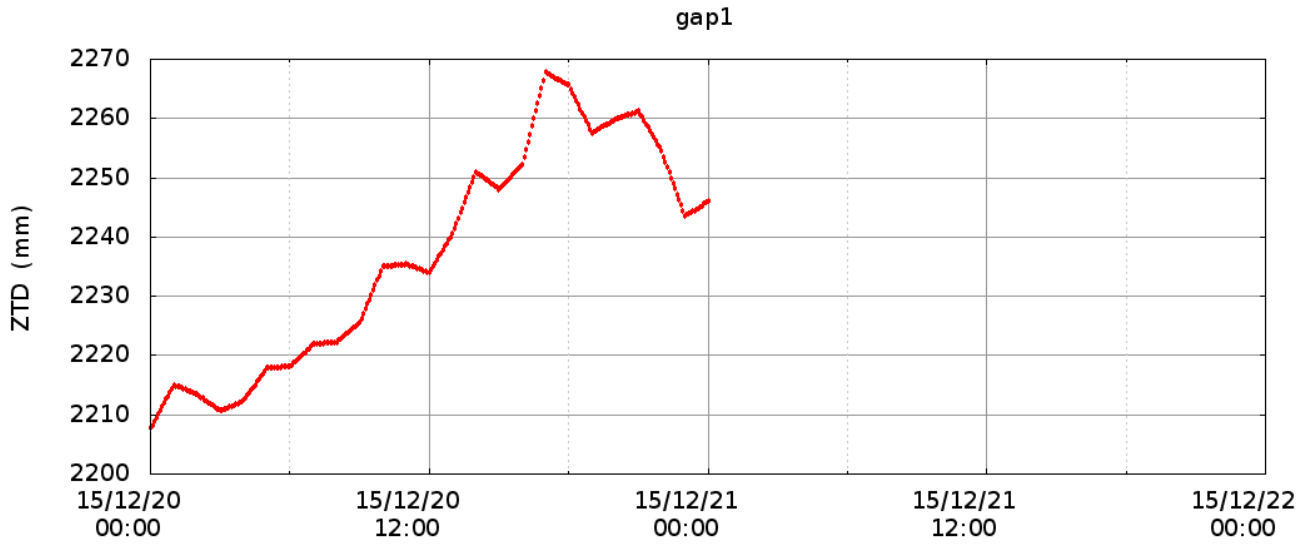


Table 7. Zenith Tropospheric Delay

3.2. STATION CLOCKS

The following figures show the clock offset with respect to time scale:

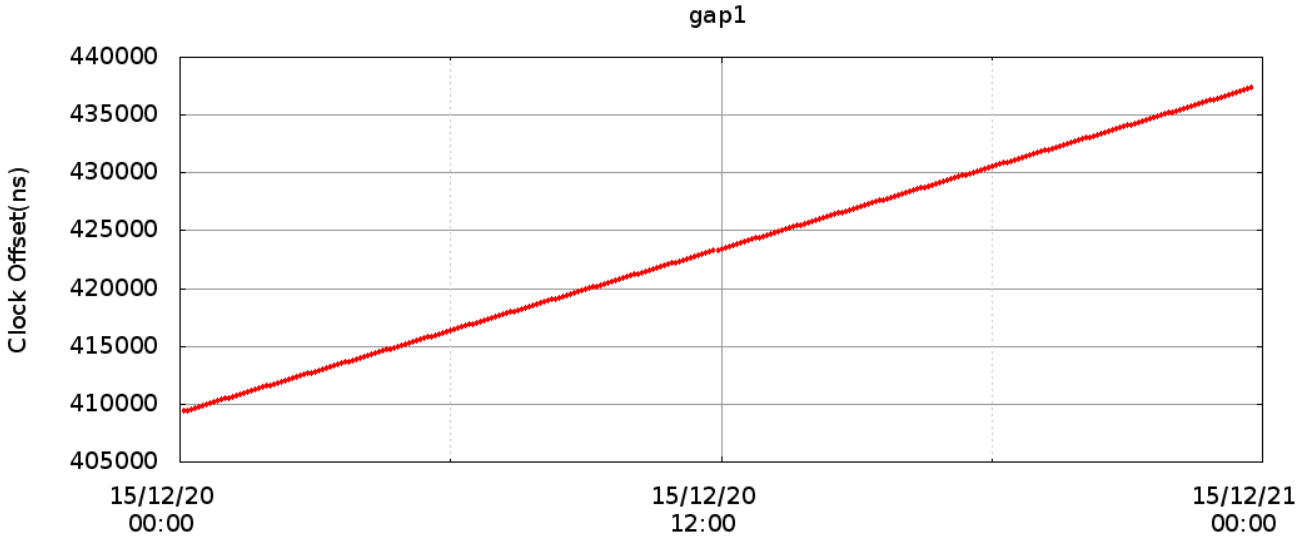


Table 8. Station Clocks

The following figures show the clock offset after the removal of a parabola.

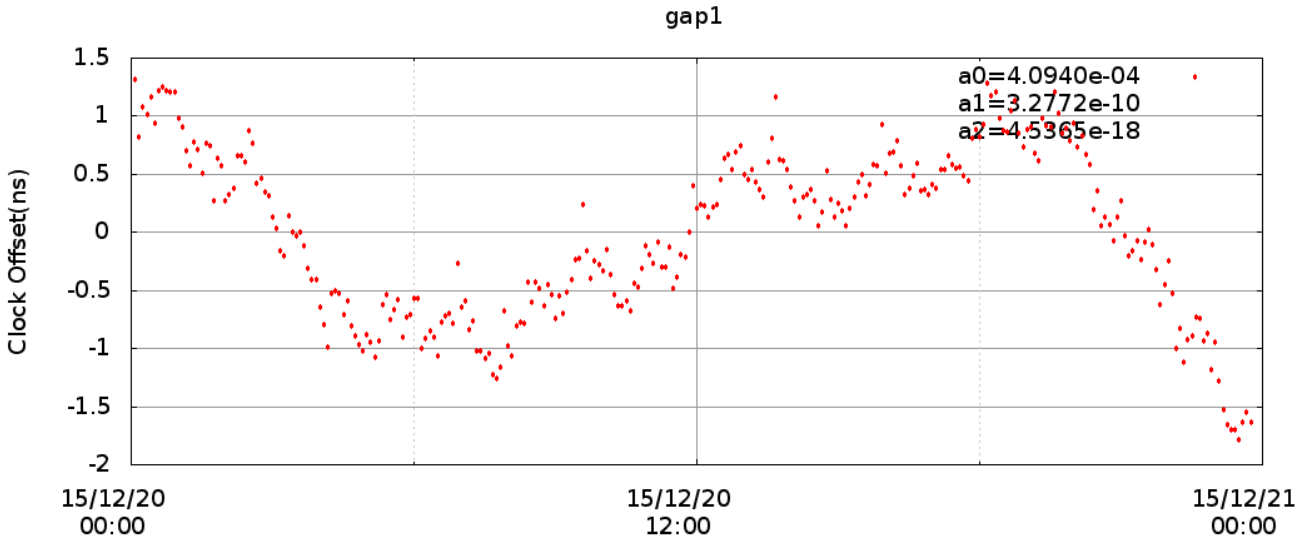
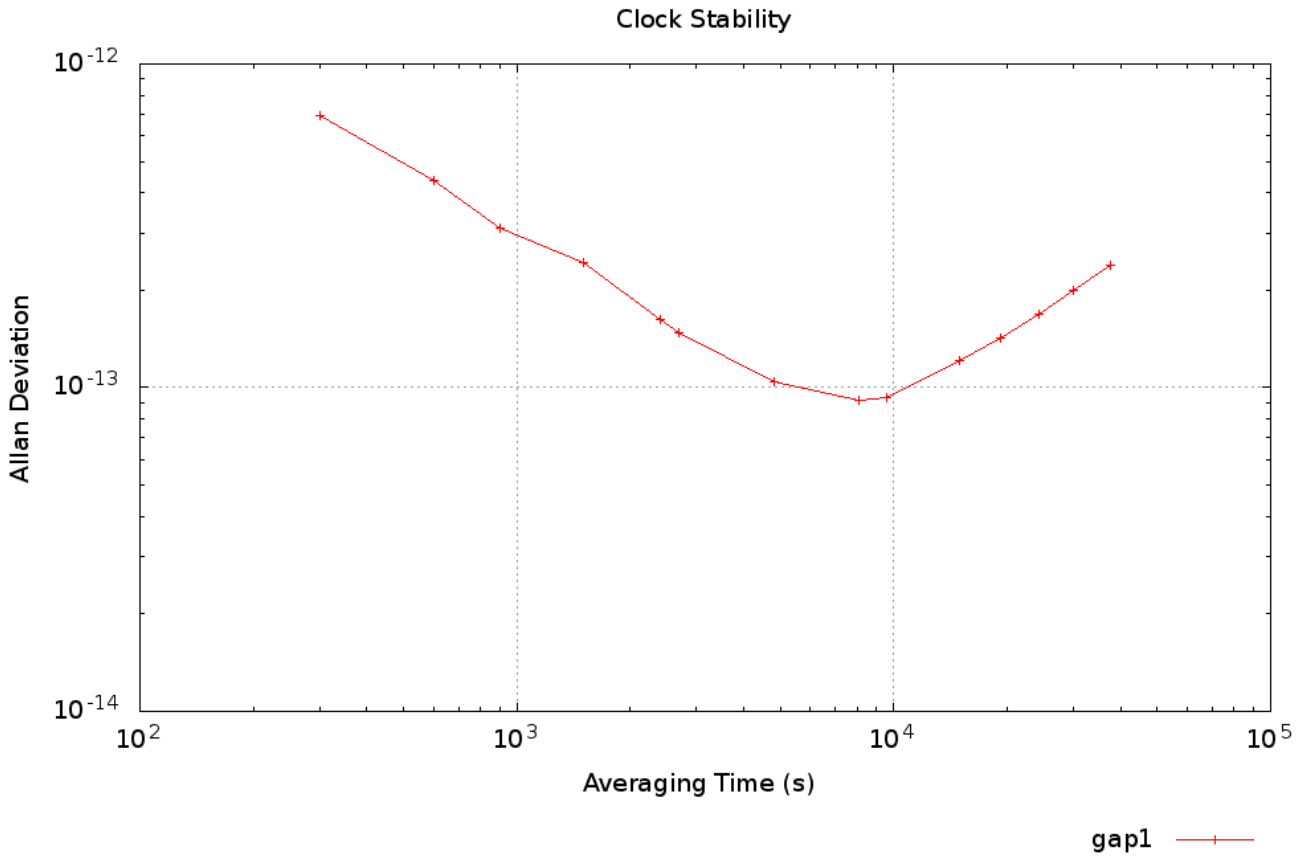


Table 9. Station Clocks


Clock Stability
Allan Deviation
10-12
10-13
10-14
102
103
104
105
Averaging Time (s)
gap1

3.3. KINEMATIC POSITIONING

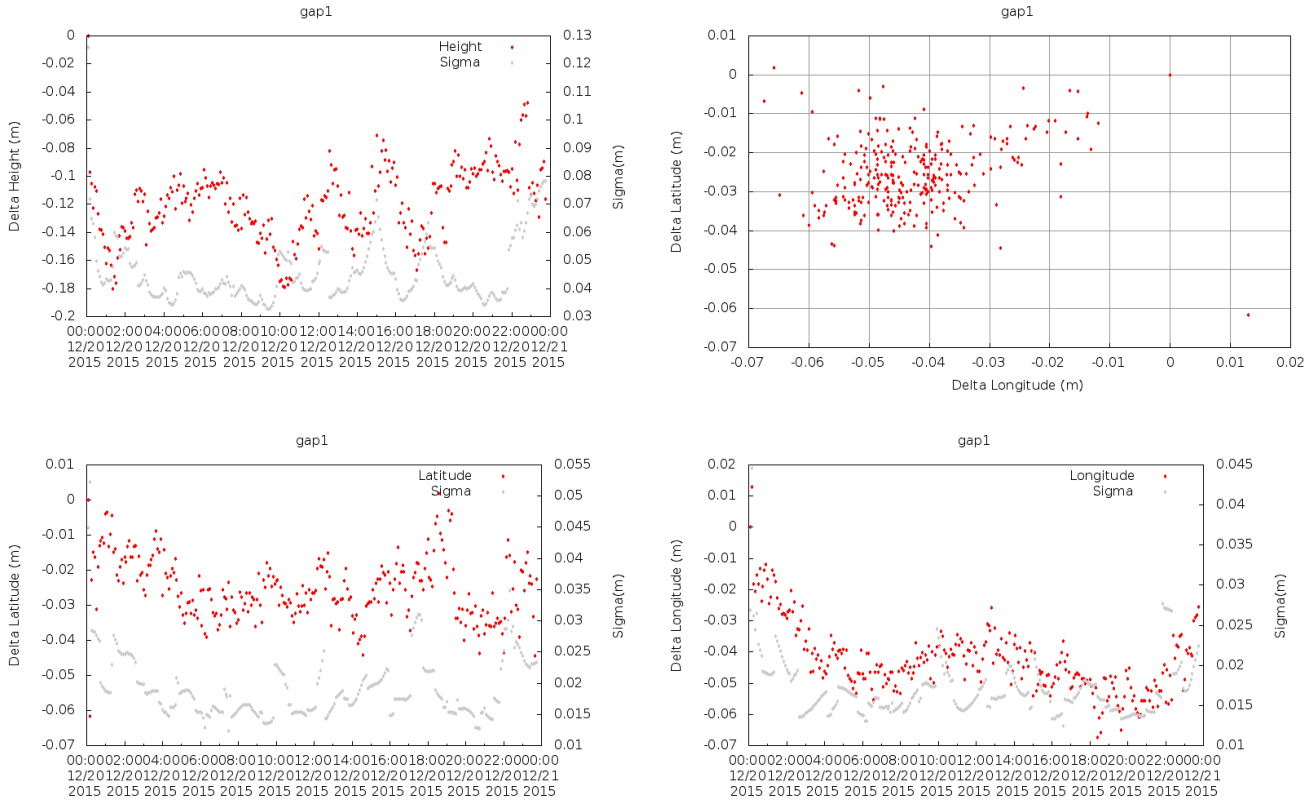


Table 10. Kinematic Positioning

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