



## Results - Baseline CSUM - STAM

### Project Information

Project name: skupina\_1-TRG  
Date created: 06/02/2011 19:40:33  
Time zone: 2h 00'  
Coordinate system name: WGS 1984  
Application software: LEICA Geo Office 7.0  
Processing kernel: PSI-Pro 2.0  
Processed: 06/02/2011 19:51:27

### Point Information

	Reference: CSUM	Rover: STAM
Receiver type / S/N:	GRX1200PRO / 457132	TPSGB1000 / 8QQPTNJZH1C
Antenna type / S/N:	LEIAT504 LEIS / 102941	TPSCR3_GGD CONE (2) / -
Antenna height:	0.0665 m	0.0000 m
Initial coordinates:		
Latitude:	49°57' 53.16941" N	50°09' 44.36216" N
Longitude:	16°58' 51.44527" E	16°56' 52.01429" E
Ellip. Hgt:	378.3650 m	603.7701 m
Time span:	05/30/2011 07:59:45 - 05/30/2011 19:59:40	
Duration:	11h 59' 55"	

### Processing Parameters

Parameters	Selected	Used	Comment
Cut-off angle:	15°	15°	
Ephemeris type (GPS):	Broadcast	Broadcast	
Ephemeris type (GLONASS):	Broadcast	Broadcast	
Solution type:	Automatic	Phase: all fix	
GNSS type:	Automatic	GPS	
Frequency:	Automatic	Automatic	
Fix ambiguities up to:	80 km	80 km	
Min. duration for float solution (static):	5' 00"	5' 00"	
Sampling rate:	Use all	5	
Tropospheric model:	Hopfield	Hopfield	
Ionospheric model:	Automatic	Computed	
Use stochastic modelling:	Yes	Yes	
Min. distance:	8 km	8 km	
Ionospheric activity:	Automatic	Automatic	

### Satellite Selection

Manually disabled GPS satellites (PRNs): None  
Manually disabled GLONASS satellites (Slot Id): None

### Computed Iono Model

Number of computed models: 2  
Sampling rate of iono model: 30 sec  
Height of single layer: 350 km

#### Model 1:

Origin of development: Latitude: 49°57' 53.16941" N  
Longitude: 16°58' 51.44527" E  
Time (UT): 05/30/2011 05:59:45

Validity: From epoch: 05/30/2011 07:59:45  
To epoch: 05/30/2011 13:59:43

Coefficients:	Deg. Lat	Deg. time	Value	rms
0	0	0	1.02576452	0.00418672
0	1	1	0.27200491	0.00328803
0	2	2	-0.04786775	0.00122263
1	0	0	-0.01355981	0.00307108
1	1	1	-0.08910396	0.00255132

#### Model 2:

Origin of development: Latitude: 49°57' 53.16941" N  
Longitude: 16°58' 51.44527" E  
Time (UT): 05/30/2011 11:59:43

Validity: From epoch: 05/30/2011 13:59:43

	To epoch:	05/30/2011 19:59:40		
Coefficients:	Deg. Lat	Deg. time	Value	rms
	0	0	1.31212882	0.00655222
	0	1	-0.07572995	0.00488810
	0	2	0.03927696	0.00130568
	1	0	-0.37835041	0.00478853
	1	1	0.02810682	0.00192746

## Antenna Information

	Reference: CSUM		Rover: STAM	
Antenna type:	LEIAT504 LEIS		TPSCR3_GGD CONE (2)	
Serial number:	102941		-	
Horizontal offset:	0.0000 m		0.0000 m	
Vertical offset:	0.0000 m		0.0000 m	
Additional corrections:	Elevation and azimuth		Elevation and azimuth	
Phase center offsets	L1 (Reference)	L2 (Reference)	L1 (Rover)	L2 (Rover)
Vertical:	0.0871 m	0.1134 m	0.0615 m	0.0948 m
East:	-0.0001 m	0.0002 m	-0.0004 m	0.0000 m
North:	0.0013 m	-0.0003 m	0.0008 m	0.0003 m

## Additional corrections (Reference):

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85	°	90°
0° L1	0.0	0.1	0.2	0.4	0.8	1.3	2.1	3.2	4.4	5.8	7.3	8.8	10.4	12.0	13.6	15.3	17.1	19.0	21.2	
0° L2	0.0	0.0	0.0	0.0	0.1	0.3	0.7	1.2	1.7	2.1	2.5	3.0	3.5	4.2	5.1	6.0	6.8	7.5	7.9	
10° L1	0.0	0.1	0.2	0.4	0.7	1.3	2.1	3.1	4.3	5.7	7.1	8.6	10.1	11.8	13.4	15.1	16.8	18.6	20.9	
10° L2	0.0	0.0	-0.1	0.0	0.1	0.3	0.7	1.1	1.6	2.0	2.4	2.8	3.3	4.0	4.7	5.6	6.4	7.4	8.6	
20° L1	0.0	0.1	0.2	0.3	0.7	1.2	2.0	3.0	4.2	5.5	6.8	8.3	9.8	11.5	13.2	14.8	16.5	18.3	20.5	
20° L2	0.0	-0.1	-0.1	-0.1	0.0	0.2	0.6	1.0	1.5	1.9	2.2	2.7	3.1	3.8	4.5	5.3	6.2	7.5	9.3	
30° L1	0.0	0.1	0.2	0.3	0.6	1.2	1.9	2.9	4.0	5.3	6.6	8.0	9.5	11.2	12.8	14.5	16.1	17.9	20.2	
30° L2	0.0	-0.1	-0.1	-0.1	0.0	0.2	0.5	0.9	1.3	1.8	2.2	2.6	3.1	3.7	4.4	5.2	6.3	7.6	9.7	
40° L1	0.0	0.1	0.1	0.2	0.5	1.1	1.8	2.8	3.9	5.1	6.3	7.7	9.2	10.8	12.5	14.1	15.8	17.7	19.9	
40° L2	0.0	-0.1	-0.1	-0.1	-0.1	0.1	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.7	4.5	5.4	6.4	7.6	9.5	
50° L1	0.0	0.0	0.1	0.2	0.5	1.0	1.7	2.7	3.8	4.9	6.2	7.5	9.0	10.5	12.2	13.8	15.6	17.5	19.6	
50° L2	0.0	-0.1	-0.1	-0.1	-0.1	0.1	0.4	0.8	1.2	1.7	2.2	2.6	3.2	3.8	4.6	5.5	6.4	7.3	8.7	
60° L1	0.0	0.0	0.1	0.2	0.4	0.9	1.6	2.6	3.6	4.8	6.0	7.4	8.8	10.3	11.9	13.6	15.4	17.4	19.6	
60° L2	0.0	-0.1	-0.1	-0.1	-0.1	0.1	0.4	0.8	1.3	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.3	6.9	7.7	
70° L1	0.0	0.0	0.0	0.1	0.4	0.8	1.5	2.4	3.5	4.6	5.9	7.3	8.7	10.2	11.7	13.3	15.2	17.4	19.7	
70° L2	0.0	-0.1	-0.1	-0.1	0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.7	3.3	4.0	4.7	5.5	6.1	6.5	7.0	
80° L1	0.0	0.0	0.0	0.0	0.1	0.3	0.8	1.5	2.3	3.4	4.5	5.8	7.2	8.6	10.1	11.5	13.2	15.1	17.4	19.9
80° L2	0.0	-0.1	-0.1	0.0	0.1	0.3	0.5	0.9	1.3	1.8	2.2	2.7	3.3	3.9	4.6	5.3	5.9	6.2	6.9	
90° L1	0.0	0.0	0.0	0.1	0.3	0.7	1.4	2.2	3.3	4.4	5.8	7.2	8.6	10.0	11.5	13.1	15.0	17.4	20.0	
90° L2	0.0	-0.1	-0.1	0.0	0.2	0.4	0.6	1.0	1.3	1.7	2.2	2.7	3.2	3.9	4.6	5.3	5.8	6.4	7.4	
100° L1	0.0	-0.1	0.0	0.1	0.3	0.7	1.4	2.2	3.2	4.4	5.7	7.1	8.6	10.0	11.5	13.1	15.1	17.4	19.9	
100° L2	0.0	-0.1	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.7	2.1	2.6	3.3	4.0	4.7	5.4	6.1	6.9	8.2	
110° L1	0.0	-0.1	-0.1	0.1	0.3	0.7	1.3	2.2	3.2	4.3	5.6	7.1	8.5	10.0	11.6	13.3	15.2	17.3	19.7	
110° L2	0.0	0.0	0.0	0.2	0.4	0.6	0.9	1.1	1.4	1.7	2.1	2.7	3.4	4.1	4.9	5.7	6.5	7.5	9.0	
120° L1	0.0	-0.1	-0.1	0.0	0.3	0.7	1.4	2.2	3.2	4.3	5.6	7.1	8.6	10.1	11.7	13.4	15.3	17.3	19.4	
120° L2	0.0	0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.4	1.7	2.2	2.8	3.6	4.4	5.2	6.0	6.9	8.0	9.3	
130° L1	0.0	-0.1	-0.1	0.1	0.3	0.8	1.4	2.2	3.2	4.4	5.7	7.1	8.6	10.2	11.9	13.6	15.4	17.3	19.4	
130° L2	0.0	0.0	0.1	0.2	0.5	0.7	0.9	1.2	1.4	1.8	2.4	3.0	3.8	4.5	5.3	6.1	7.1	8.3	9.3	
140° L1	0.0	-0.1	-0.1	0.0	0.3	0.8	1.5	2.3	3.3	4.5	5.8	7.2	8.8	10.4	12.0	13.7	15.5	17.4	19.5	
140° L2	0.0	0.0	0.1	0.2	0.5	0.7	0.9	1.2	1.5	1.9	2.5	3.2	4.0	4.6	5.3	6.1	7.1	8.3	8.8	
150° L1	0.0	-0.1	-0.1	0.0	0.3	0.8	1.5	2.4	3.4	4.6	5.9	7.4	8.9	10.5	12.1	13.8	15.5	17.5	19.8	
150° L2	0.0	0.0	0.1	0.2	0.5	0.7	0.9	1.2	1.6	2.1	2.7	3.4	4.0	4.6	5.1	5.9	7.0	8.1	8.3	
160° L1	0.0	-0.1	-0.1	0.0	0.3	0.8	1.6	2.5	3.5	4.7	6.1	7.5	9.0	10.6	12.2	13.8	15.5	17.5	20.1	
160° L2	0.0	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.6	2.2	2.8	3.5	4.0	4.5	4.9	5.6	6.7	7.9	7.8	
170° L1	0.0	-0.1	-0.1	0.0	0.4	0.9	1.6	2.5	3.6	4.8	6.2	7.6	9.2	10.7	12.3	13.8	15.5	17.6	20.2	
170° L2	0.0	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.7	2.3	2.9	3.5	4.0	4.4	4.8	5.5	6.6	7.7	7.6	
180° L1	0.0	-0.1	-0.1	0.0	0.4	0.9	1.6	2.6	3.6	4.8	6.2	7.7	9.3	10.9	12.4	13.9	15.6	17.5	20.2	
180° L2	0.0	0.0	0.1	0.3	0.5	0.7	1.0	1.4	1.8	2.3	2.9	3.5	4.0	4.4	4.9	5.6	6.7	7.7	7.6	
190° L1	0.0	-0.1	-0.1	0.1	0.4	0.9	1.7	2.6	3.6	4.8	6.2	7.7	9.4	11.0	12.6	14.1	15.7	17.5	20.0	
190° L2	0.0	0.1	0.1	0.3	0.5	0.8	1.1	1.4	1.8	2.3	2.9	3.4	4.0	4.5	5.1	5.9	6.9	7.8	7.7	
200° L1	0.0	-0.1	-0.1	0.1	0.4	0.9	1.7	2.6	3.6	4.8	6.2	7.8	9.5	11.2	12.7	14.2	15.7	17.5	19.8	
200° L2	0.0	0.1	0.1	0.3	0.5	0.8	1.1	1.5	1.9	2.4	2.9	3.5	4.1	4.7	5.3	6.1	7.1	7.9	7.9	
210° L1	0.0	-0.1	-0.1	0.1	0.4	1.0	1.7	2.6	3.6	4.8	6.2	7.8	9.5	11.2	12.8	14.3	15.7	17.4	19.7	
210° L2	0.0	0.1	0.2	0.3	0.5	0.8	1.1	1.5	1.9	2.4	2.9	3.5	4.1	4.8	5.5	6.3	7.1	7.8	8.1	
220° L1	0.0	0.0	0.0	0.1	0.4	1.0	1.7	2.6	3.7	4.9	6.3	7.8	9.5	11.2	12.8	14.2	15.6	17.3	19.8	
220° L2	0.0	0.1	0.2	0.4	0.6	0.9	1.2	1.6	2.0	2.4	2.9	3.5	4.1	4.8	5.5	6.2	7.0	7.6	8.0	
230° L1	0.0	0.0	0.0	0.1	0.5	1.0	1.8	2.7	3.7	4.9	6.3	7.8	9.5	11.1	12.6	14.0	15.3	17.1	19.8	
230° L2	0.0	0.1	0.2	0.4	0.7	0.9	1.3	1.6	2.1	2.5	3.0	3.5	4.1	4.8	5.4	6.1	6.8	7.2	7.5	
240° L1	0.0	0.0	0.0	0.2	0.5	1.1	1.8	2.7	3.7	4.9	6.2	7.7	9.4	11.0	12.4	13.7	15.1	16.9	19.6	
240° L2	0.0	0.1	0.3	0.5	0.7	1.0	1.4	1.8	2.2	2.6	3.1	3.6	4.1	4.8	5.4	6.1	6.5	6.8	6.9	
250° L1	0.0	0.0	0.0	0.2	0.6	1.1	1.8	2.7	3.8	4.9	6.2	7.6	9.2	10.8	12.3	13.6	15.0	16.7	19.3	
250° L2	0.0	0.1	0.3	0.5	0.8	1.1	1.5	1.9	2.3	2.8	3.2	3.7	4.2	4.8	5.5	6.1	6.5	6.5	6.4	
260° L1	0.0	0.0	0.1	0.2	0.6	1.1	1.9	2.8	3.8	4.9	6.1	7.6	9.1	10.8	12.3	13.7	15.0	16.6	19.0	
260° L2	0.0	0.1	0.3	0.6	0.8	1.2	1.6	2.0	2.5	2.9	3.3	3.8	4.3	5.0	5.7	6.3	6.5	6.3	6.1	
270° L1	0.0	0.0	0.1	0.3	0.6	1.2	1.9	2.8	3.8	4.9	6.1	7.6	9.2	10.8	12.4	13.9	15.2	16.7	18.8	
270° L2	0.0	0.1	0.3	0.6	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.4	5.2	5.9	6.5	6.7	6.5	6.3	
280° L1	0.0	0.1	0.2	0.3	0.7	1.2	1.9	2.8	3.8	5.0	6.2	7.7	9.3	11.0	12.7	14.2	15.6	17.1	19.0	
280° L2	0.0	0.1	0.3	0.5	0.9	1.2	1.6	2.1	2.5	3.0	3.4	3.9	4.5	5.3	6.1	6.7	7.0	6.9	7.0	
290° L1	0.0	0.1	0.2	0.4	0.7	1.2	2.0	2.9	3.9	5.1	6.4	7.9	9.5	11.2	12.9	14.6	16.0	17.6	19.6	
290° L2	0.0	0.1	0.3	0.5	0.8	1.1	1.5	2.0	2.4	2.9	3.3	3.8	4.5	5.3	6.2	6.9	7.3	7.5	8.1	
300° L1	0.0	0.1	0.2	0.4	0.7	1.3	2.0	2.9	4.1	5.3	6.7	8.2	9.8	11.5	13.2	14.9	16.5	18.2	20.4	
300° L2	0.0	0.1	0.3	0.4	0.7	1.0	1.4	1.8	2.3	2.7	3.2	3.7	4.4	5.2	6.1	7.0	7.7	8.2	9.0	
310° L1	0.0	0.1	0.2	0.4	0.8	1.3	2.0	3.0	4.2	5.5	7.0	8.5	10.1	11.7	13.4	15.1	16.8	18.8	21.2	
310° L2	0.0	0.1	0.2	0.3	0.5	0.8	1.2	1.6	2.1	2.6	3.0	3.6	4.2	5.1	6.1	7.1	7.9	8.7	9.6	
320° L1	0.0	0.1	0.3	0.5	0.8	1.3	2.1													

350°L2 0.0 0.0 0.0 0.0 0.2 0.4 0.8 1.2 1.7 2.2 2.6 3.1 3.7 4.5 5.5 6.5 7.3 7.8 7.7

**Additional corrections (Rover):**

A \ Z	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85	°	90°
0° L1	0.0	1.0	1.0	0.4	-0.7	-2.1	-3.5	-4.7	-5.5	-5.9	-5.7	-5.1	-3.9	-2.1	0.1	3.0	6.4	0.0	0.0	
0° L2	0.0	-0.9	-1.5	-1.8	-1.9	-2.1	-2.3	-2.5	-2.9	-3.1	-3.4	-3.2	-2.9	-2.3	-1.2	0.2	2.4	0.0	0.0	

**Observation Statistics**

Number of common epochs: 8640

Number of used observations (L1): 63895

Number of rejected observations (L1): 1

Number of used observations (L2): 63895

Number of rejected observations (L2): 1

**Tracking Status L1:**

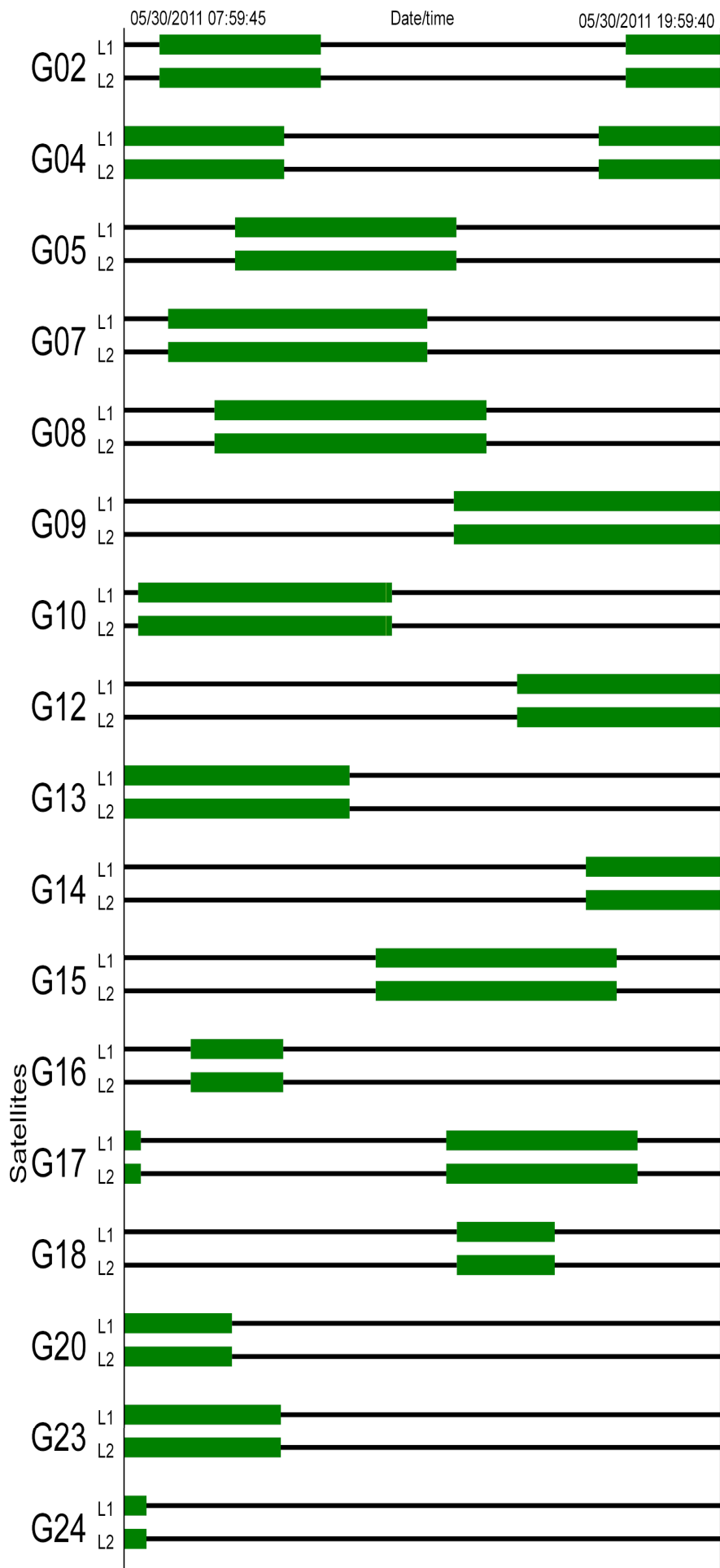
Satellite		From	To	Status
G02	✗	05/30/2011 07:59:45	05/30/2011 08:42:40	No data
	✓	05/30/2011 08:42:40	05/30/2011 11:57:25	Tracked / Used
	✗	05/30/2011 11:57:25	05/30/2011 18:05:10	No data
	✓	05/30/2011 18:05:10	05/30/2011 19:59:40	Tracked / Used
G04	✓	05/30/2011 07:59:45	05/30/2011 11:13:05	Tracked / Used
	✗	05/30/2011 11:13:05	05/30/2011 17:32:40	No data
	✓	05/30/2011 17:32:40	05/30/2011 19:59:40	Tracked / Used
G05	✗	05/30/2011 07:59:45	05/30/2011 10:13:55	No data
	✓	05/30/2011 10:13:55	05/30/2011 14:41:00	Tracked / Used
	✗	05/30/2011 14:41:00	05/30/2011 19:59:40	No data
G07	✗	05/30/2011 07:59:45	05/30/2011 08:53:00	No data
	✓	05/30/2011 08:53:00	05/30/2011 14:05:45	Tracked / Used
	✗	05/30/2011 14:05:45	05/30/2011 19:59:40	No data
G08	✗	05/30/2011 07:59:45	05/30/2011 09:49:00	No data
	✓	05/30/2011 09:49:00	05/30/2011 15:17:10	Tracked / Used
	✗	05/30/2011 15:17:10	05/30/2011 19:59:40	No data
G09	✗	05/30/2011 07:59:45	05/30/2011 14:37:55	No data
	✓	05/30/2011 14:37:55	05/30/2011 19:59:15	Tracked / Used
	✗	05/30/2011 19:59:15	05/30/2011 19:59:40	No data
G10	✗	05/30/2011 07:59:45	05/30/2011 08:16:55	No data
	✓	05/30/2011 08:16:55	05/30/2011 13:16:00	Tracked / Used
	✗	05/30/2011 13:16:00	05/30/2011 13:16:05	Tracked / Rejected
	✓	05/30/2011 13:16:05	05/30/2011 13:23:15	Tracked / Used
	✗	05/30/2011 13:23:15	05/30/2011 19:59:40	No data
G12	✗	05/30/2011 07:59:45	05/30/2011 15:54:15	No data
	✓	05/30/2011 15:54:15	05/30/2011 19:59:40	Tracked / Used
G13	✓	05/30/2011 07:59:45	05/30/2011 12:32:10	Tracked / Used
	✗	05/30/2011 12:32:10	05/30/2011 19:59:40	No data
G14	✗	05/30/2011 07:59:45	05/30/2011 17:17:10	No data
	✓	05/30/2011 17:17:10	05/30/2011 19:59:40	Tracked / Used
G15	✗	05/30/2011 07:59:45	05/30/2011 13:03:40	No data
	✓	05/30/2011 13:03:40	05/30/2011 17:54:20	Tracked / Used
	✗	05/30/2011 17:54:20	05/30/2011 19:59:40	No data
G16	✗	05/30/2011 07:59:45	05/30/2011 09:20:10	No data
	✓	05/30/2011 09:20:10	05/30/2011 11:11:55	Tracked / Used
	✗	05/30/2011 11:11:55	05/30/2011 19:59:40	No data
G17	✓	05/30/2011 07:59:45	05/30/2011 08:20:00	Tracked / Used
	✗	05/30/2011 08:20:00	05/30/2011 14:28:45	No data
	✓	05/30/2011 14:28:45	05/30/2011 18:19:25	Tracked / Used
	✗	05/30/2011 18:19:25	05/30/2011 19:59:40	No data
G18	✗	05/30/2011 07:59:45	05/30/2011 14:41:25	No data
	✓	05/30/2011 14:41:25	05/30/2011 16:39:30	Tracked / Used
	✗	05/30/2011 16:39:30	05/30/2011 19:59:40	No data
G20	✓	05/30/2011 07:59:45	05/30/2011 10:10:00	Tracked / Used
	✗	05/30/2011 10:10:00	05/30/2011 19:59:40	No data
G23	✓	05/30/2011 07:59:45	05/30/2011 11:09:05	Tracked / Used
	✗	05/30/2011 11:09:05	05/30/2011 19:59:40	No data
G24	✓	05/30/2011 07:59:45	05/30/2011 08:26:55	Tracked / Used
	✗	05/30/2011 08:26:55	05/30/2011 19:59:40	No data
G25	✗	05/30/2011 07:59:45	05/30/2011 17:25:35	No data
	✓	05/30/2011 17:25:35	05/30/2011 19:59:40	Tracked / Used
G26	✗	05/30/2011 07:59:45	05/30/2011 11:37:10	No data
	✓	05/30/2011 11:37:10	05/30/2011 16:50:55	Tracked / Used
	✗	05/30/2011 16:50:55	05/30/2011 19:59:40	No data
G27	✗	05/30/2011 07:59:45	05/30/2011 13:43:40	No data
	✓	05/30/2011 13:43:40	05/30/2011 19:35:30	Tracked / Used
	✗	05/30/2011 19:35:30	05/30/2011 19:59:40	No data
G28	✗	05/30/2011 07:59:45	05/30/2011 11:50:20	No data
	✓	05/30/2011 11:50:20	05/30/2011 16:40:30	Tracked / Used
	✗	05/30/2011 16:40:30	05/30/2011 19:59:40	No data
G29	✗	05/30/2011 07:59:45	05/30/2011 18:33:40	No data

G31	✓	05/30/2011 18:33:40	05/30/2011 19:59:40	Tracked / Used
	✓	05/30/2011 07:59:45	05/30/2011 08:31:15	Tracked / Used
	✗	05/30/2011 08:31:15	05/30/2011 19:19:55	No data
G32	✓	05/30/2011 19:19:55	05/30/2011 19:59:40	Tracked / Used
	✓	05/30/2011 07:59:45	05/30/2011 09:13:00	Tracked / Used
	✗	05/30/2011 09:13:00	05/30/2011 19:59:40	No data

#### Tracking Status L2:

Satellite		From	To	Status
G02	✗	05/30/2011 07:59:45	05/30/2011 08:42:40	No data
	✓	05/30/2011 08:42:40	05/30/2011 11:57:25	Tracked / Used
	✗	05/30/2011 11:57:25	05/30/2011 18:05:10	No data
G04	✓	05/30/2011 18:05:10	05/30/2011 19:59:40	Tracked / Used
	✓	05/30/2011 07:59:45	05/30/2011 11:13:05	Tracked / Used
	✗	05/30/2011 11:13:05	05/30/2011 17:32:40	No data
G05	✓	05/30/2011 17:32:40	05/30/2011 19:59:40	Tracked / Used
	✗	05/30/2011 07:59:45	05/30/2011 10:13:55	No data
	✓	05/30/2011 10:13:55	05/30/2011 14:41:00	Tracked / Used
G07	✗	05/30/2011 14:41:00	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 08:53:00	No data
	✓	05/30/2011 08:53:00	05/30/2011 14:05:45	Tracked / Used
G08	✗	05/30/2011 14:05:45	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 09:49:00	No data
	✓	05/30/2011 09:49:00	05/30/2011 15:17:10	Tracked / Used
G09	✗	05/30/2011 15:17:10	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 14:37:55	No data
	✓	05/30/2011 14:37:55	05/30/2011 19:59:15	Tracked / Used
G10	✗	05/30/2011 19:59:15	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 08:16:55	No data
	✓	05/30/2011 08:16:55	05/30/2011 13:16:00	Tracked / Used
G12	✗	05/30/2011 13:16:00	05/30/2011 13:16:05	Tracked / Rejected
	✓	05/30/2011 13:16:05	05/30/2011 13:23:15	Tracked / Used
	✗	05/30/2011 13:23:15	05/30/2011 19:59:40	No data
G13	✗	05/30/2011 07:59:45	05/30/2011 15:54:15	No data
	✓	05/30/2011 15:54:15	05/30/2011 19:59:40	Tracked / Used
	✓	05/30/2011 07:59:45	05/30/2011 12:32:10	Tracked / Used
G14	✗	05/30/2011 12:32:10	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 17:17:10	No data
	✓	05/30/2011 17:17:10	05/30/2011 19:59:40	Tracked / Used
G15	✗	05/30/2011 07:59:45	05/30/2011 13:03:40	No data
	✓	05/30/2011 13:03:40	05/30/2011 17:54:20	Tracked / Used
	✗	05/30/2011 17:54:20	05/30/2011 19:59:40	No data
G16	✗	05/30/2011 07:59:45	05/30/2011 09:20:10	No data
	✓	05/30/2011 09:20:10	05/30/2011 11:11:55	Tracked / Used
	✗	05/30/2011 11:11:55	05/30/2011 19:59:40	No data
G17	✓	05/30/2011 07:59:45	05/30/2011 08:20:00	Tracked / Used
	✗	05/30/2011 08:20:00	05/30/2011 14:28:45	No data
	✓	05/30/2011 14:28:45	05/30/2011 18:19:25	Tracked / Used
G18	✗	05/30/2011 18:19:25	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 14:41:25	No data
	✓	05/30/2011 14:41:25	05/30/2011 16:39:30	Tracked / Used
G20	✗	05/30/2011 16:39:30	05/30/2011 19:59:40	No data
	✓	05/30/2011 07:59:45	05/30/2011 10:10:00	Tracked / Used
	✗	05/30/2011 10:10:00	05/30/2011 19:59:40	No data
G23	✓	05/30/2011 07:59:45	05/30/2011 11:09:05	Tracked / Used
	✗	05/30/2011 11:09:05	05/30/2011 19:59:40	No data
	✓	05/30/2011 07:59:45	05/30/2011 08:26:55	Tracked / Used
G24	✗	05/30/2011 08:26:55	05/30/2011 19:59:40	No data
	✗	05/30/2011 07:59:45	05/30/2011 17:25:35	No data
	✓	05/30/2011 17:25:35	05/30/2011 19:59:40	Tracked / Used
G25	✗	05/30/2011 07:59:45	05/30/2011 11:37:10	No data
	✓	05/30/2011 11:37:10	05/30/2011 16:50:55	Tracked / Used
	✗	05/30/2011 16:50:55	05/30/2011 19:59:40	No data
G26	✗	05/30/2011 07:59:45	05/30/2011 13:43:40	No data
	✓	05/30/2011 13:43:40	05/30/2011 19:35:30	Tracked / Used
	✗	05/30/2011 19:35:30	05/30/2011 19:59:40	No data
G27	✗	05/30/2011 07:59:45	05/30/2011 11:50:20	No data
	✓	05/30/2011 11:50:20	05/30/2011 16:40:30	Tracked / Used
	✗	05/30/2011 16:40:30	05/30/2011 19:59:40	No data
G28	✗	05/30/2011 07:59:45	05/30/2011 18:33:40	No data
	✓	05/30/2011 18:33:40	05/30/2011 19:59:40	Tracked / Used
	✓	05/30/2011 07:59:45	05/30/2011 08:31:15	Tracked / Used
G29	✗	05/30/2011 08:31:15	05/30/2011 19:19:55	No data
	✓	05/30/2011 19:19:55	05/30/2011 19:59:40	Tracked / Used
	✓	05/30/2011 07:59:45	05/30/2011 09:13:00	Tracked / Used
G30	✗	05/30/2011 09:13:00	05/30/2011 19:59:40	No data

#### Tracking Summary:



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## Ambiguity Statistics

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Total number of GPS ambiguities:	58
Number of fixed GPS ambiguities:	58
Total number of GLONASS ambiguities:	0
Number of fixed GLONASS ambiguities:	0
Number of independent fixes:	4248
Avg. time between independent fixes:	10"
Percentage of fixed epochs (L1):	100%
Percentage of fixed epochs (L2):	100%
Percentage of fixed epochs (overall):	100%

### Overall Statistic:

Status	From	To	Duration
Fixed	05/30/2011 07:59:45	05/30/2011 19:59:40	11h 59' 55"

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## Cycle Slip Statistics

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Total number of cycle slips:	0
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## Final Coordinates

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	Reference:CSUM	Rover:STAM	
Coordinates:			
Latitude:	49°57' 53.16941" N	50°09' 44.39907" N	
Longitude:	16°58' 51.44527" E	16°56' 51.94054" E	
Ellip. Hgt:	378.3650 m	603.5355 m	
Solution type:	Phase: all fix		
GNSS type:	GPS		
Frequency:	IonoFree (L3)		
Ambiguity:	Yes		
Quality:	Sd. Lat: 0.0001 m Posn. Qlty: 0.0001 m	Sd. Lon: 0.0001 m Sd. Slope: 0.0001 m	Sd. Hgt: 0.0002 m
M0:	0.2268 m		
Cofactor matrix Qxx:	0.00000017	0.00000001 0.00000009	-0.00000002 -0.00000001 0.00000062
Baseline vector:	dLat: 0°11' 51.22966" Slope: 22106.0839 m	dLon: -0°01' 59.50473"	dHgt: 225.1705 m
DOPs (min-max):	GDOP: 1.7 - 5.0 PDOP: 1.6 - 4.1	HDOP: 0.9 - 2.9	VDOP: 1.3 - 3.5
Number of used satellites:	GPS: 24 GLONASS: -		