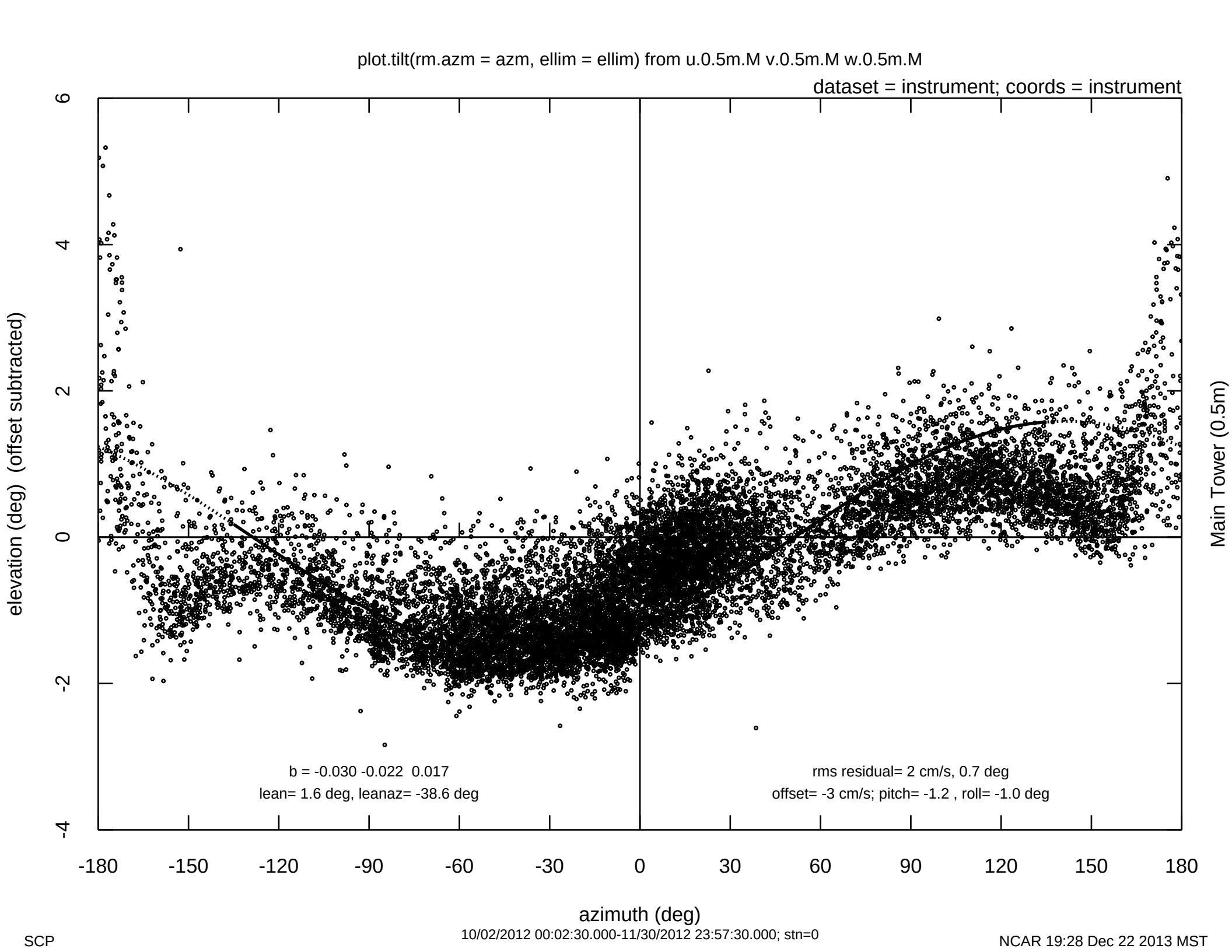
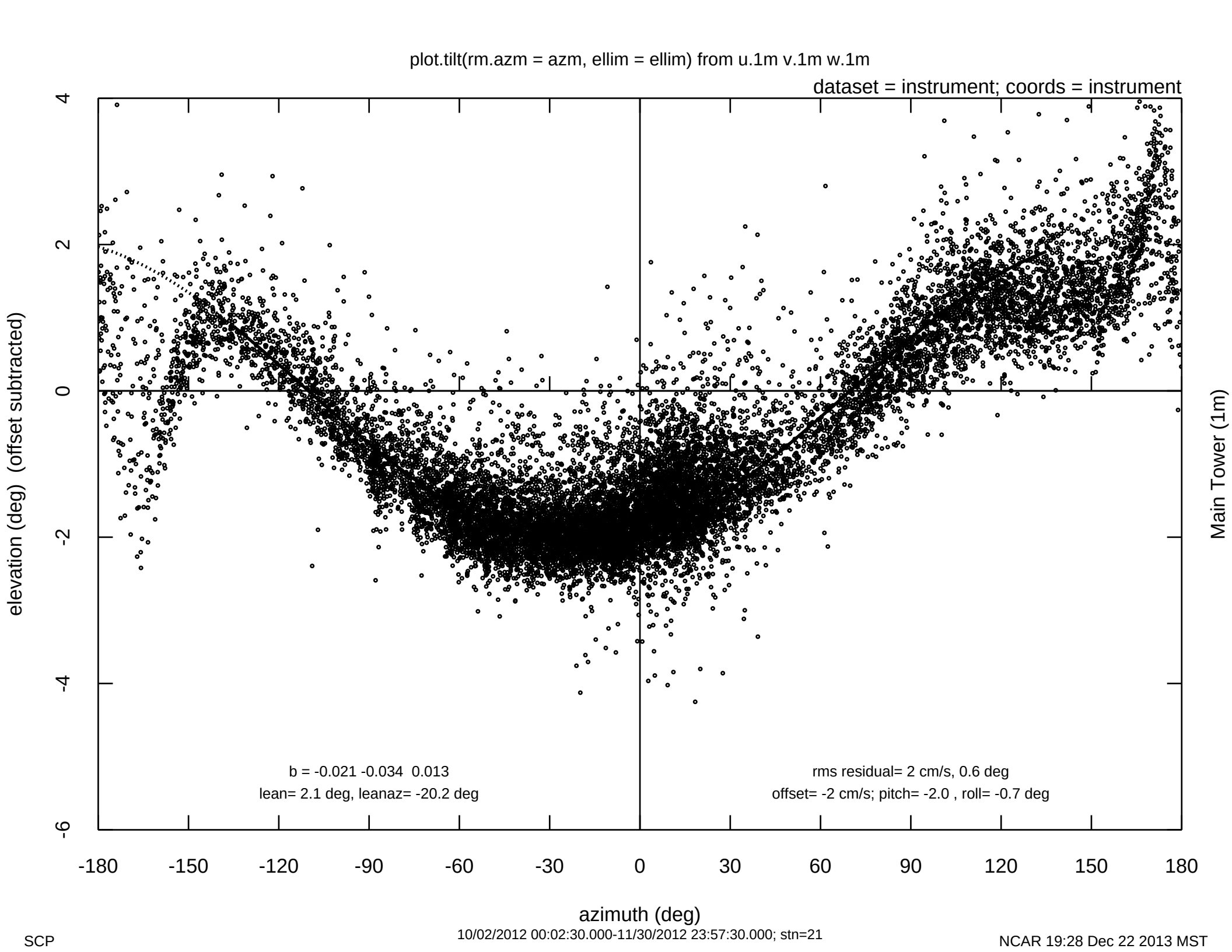
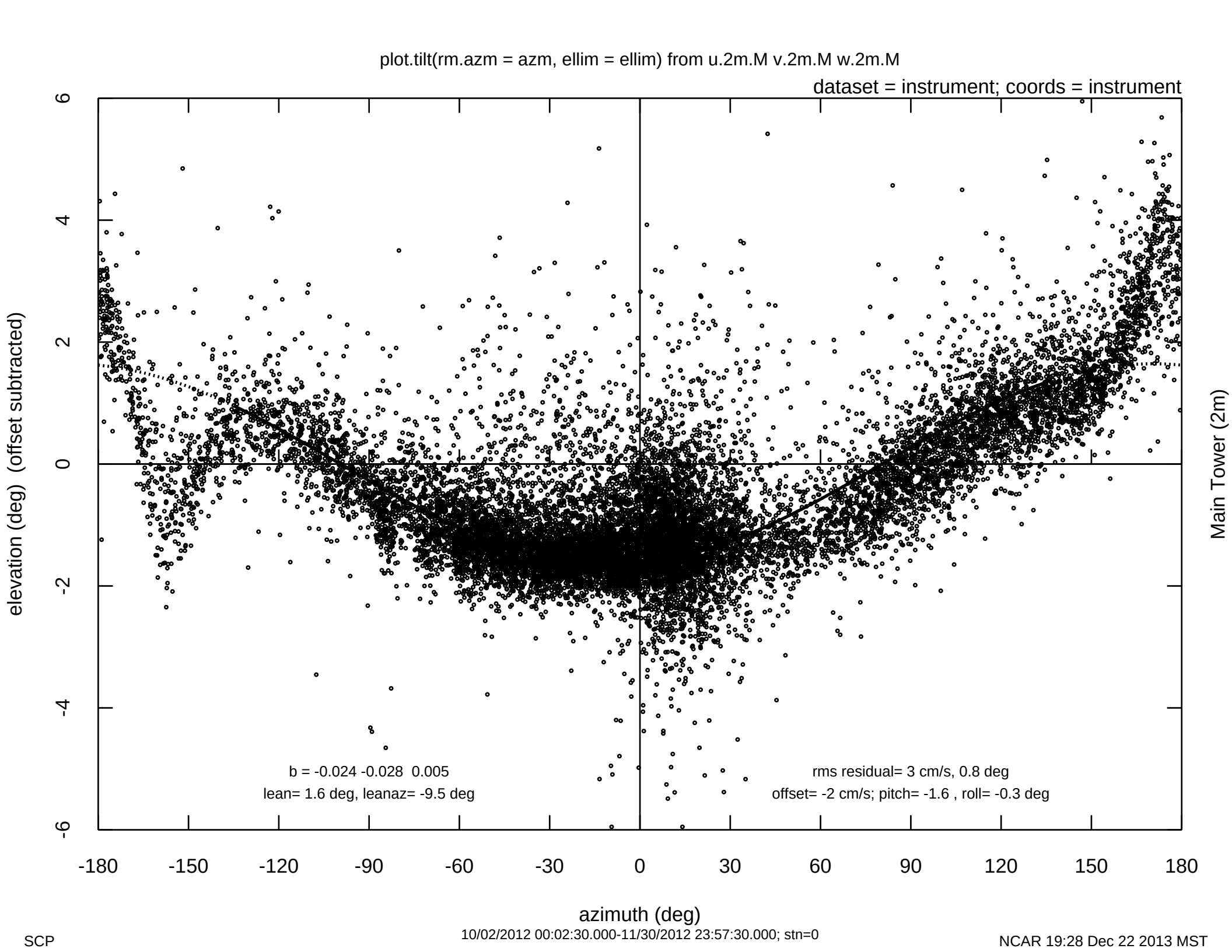
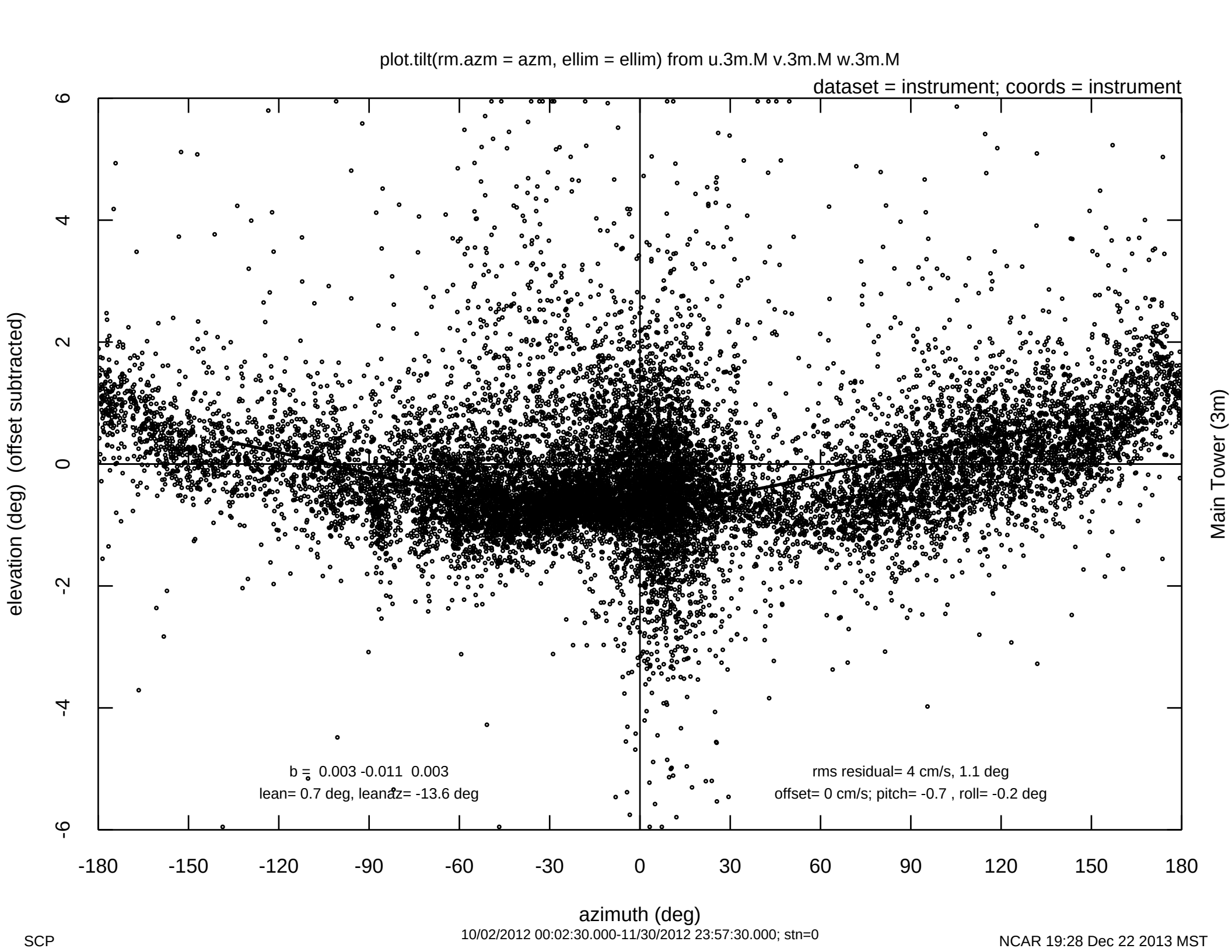
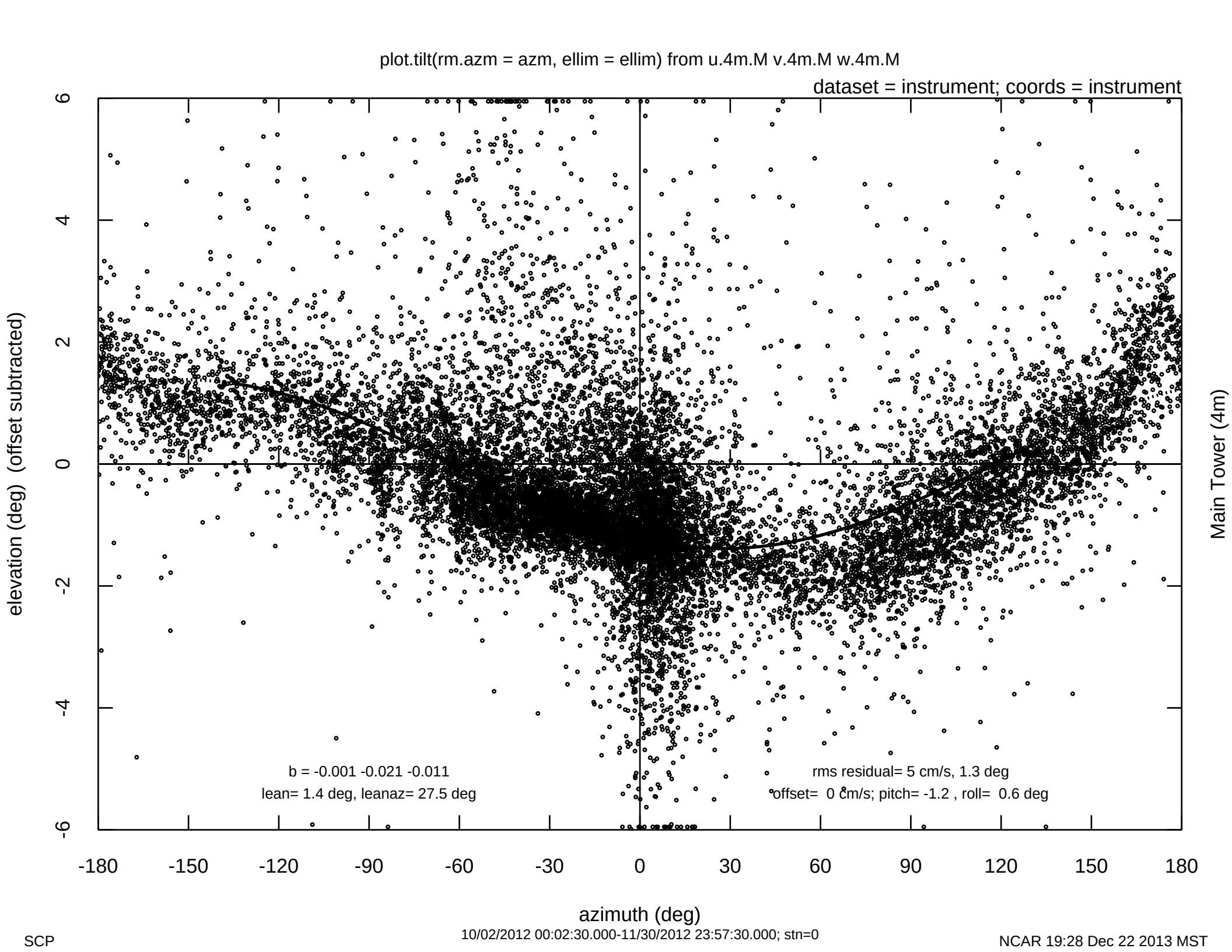
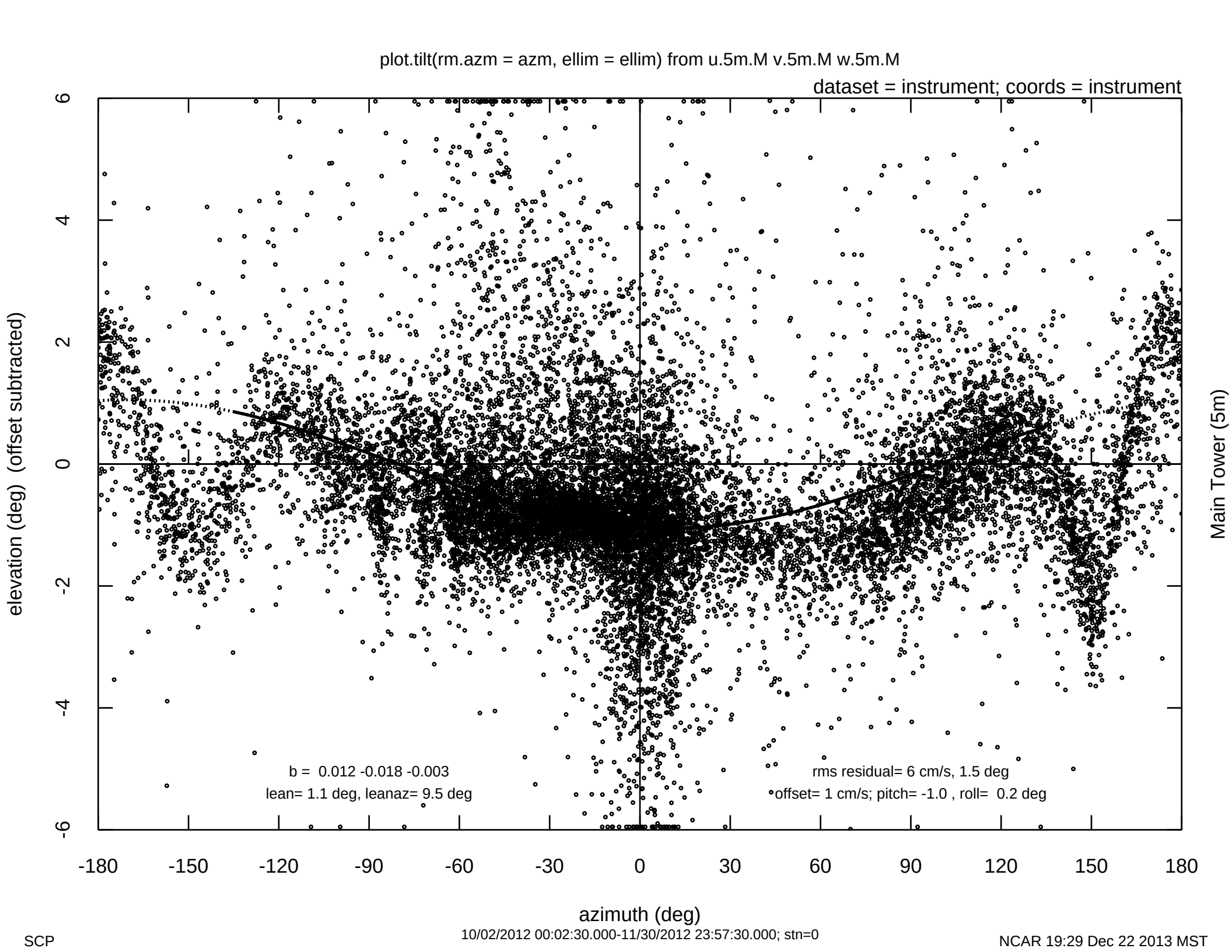

plot.tilt(rm.azm = azm, ellim = ellim) from u.0.5m.M v.0.5m.M w.0.5m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (0.5m)
6
4
2
0
-2
-4
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
azimuth (deg)
b = -0.030 -0.022 0.017
lean= 1.6 deg, leanaz= -38.6 deg
rms residual= 2 cm/s, 0.7 deg
offset= -3 cm/s; pitch= -1.2 , roll= -1.0 deg
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:28 Dec 22 2013 MST

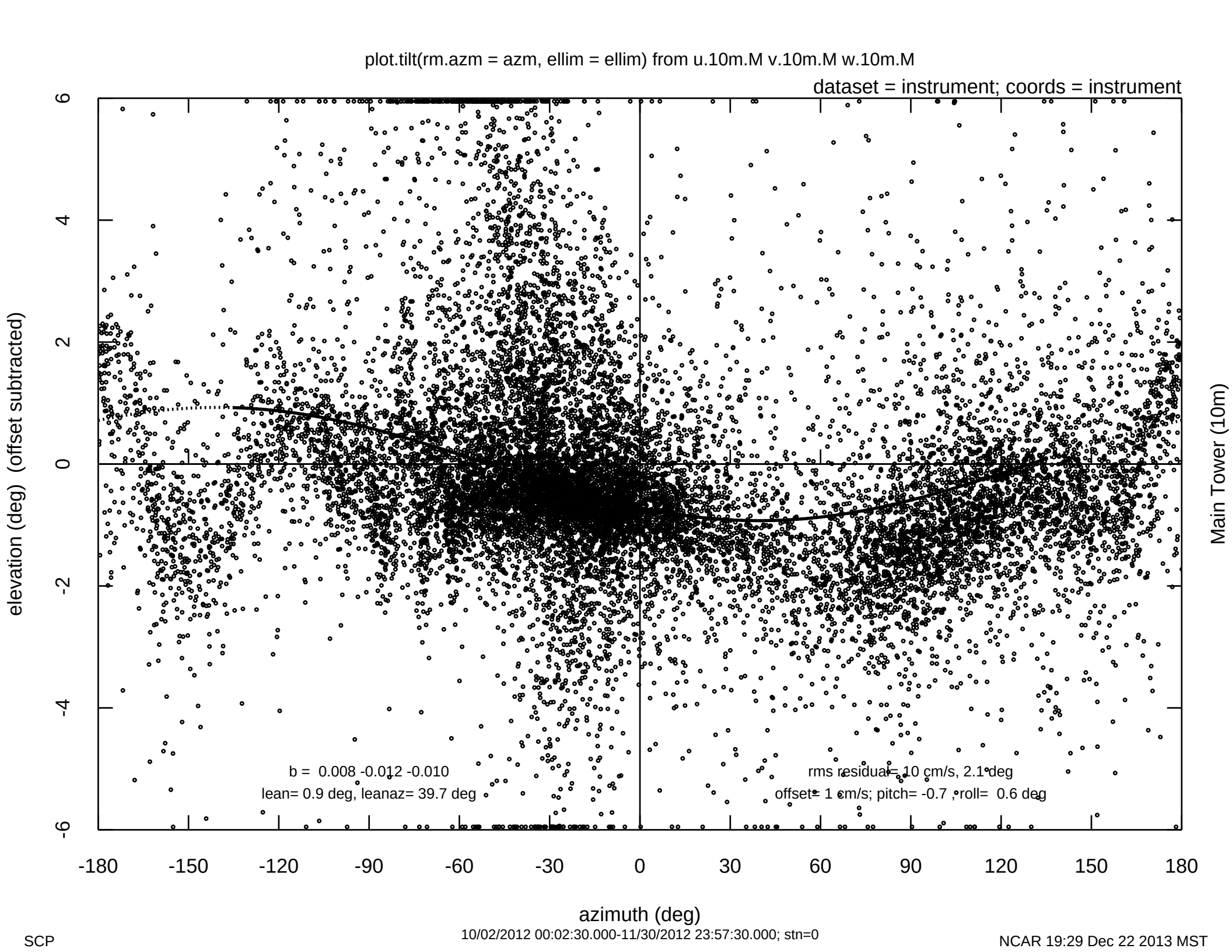

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (1m)
azimuth (deg)
b = -0.021 -0.034 0.013
lean= 2.1 deg, leanaz= -20.2 deg
rms residual= 2 cm/s, 0.6 deg
offset= -2 cm/s; pitch= -2.0 , roll= -0.7 deg
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=21
SCP
NCAR 19:28 Dec 22 2013 MST

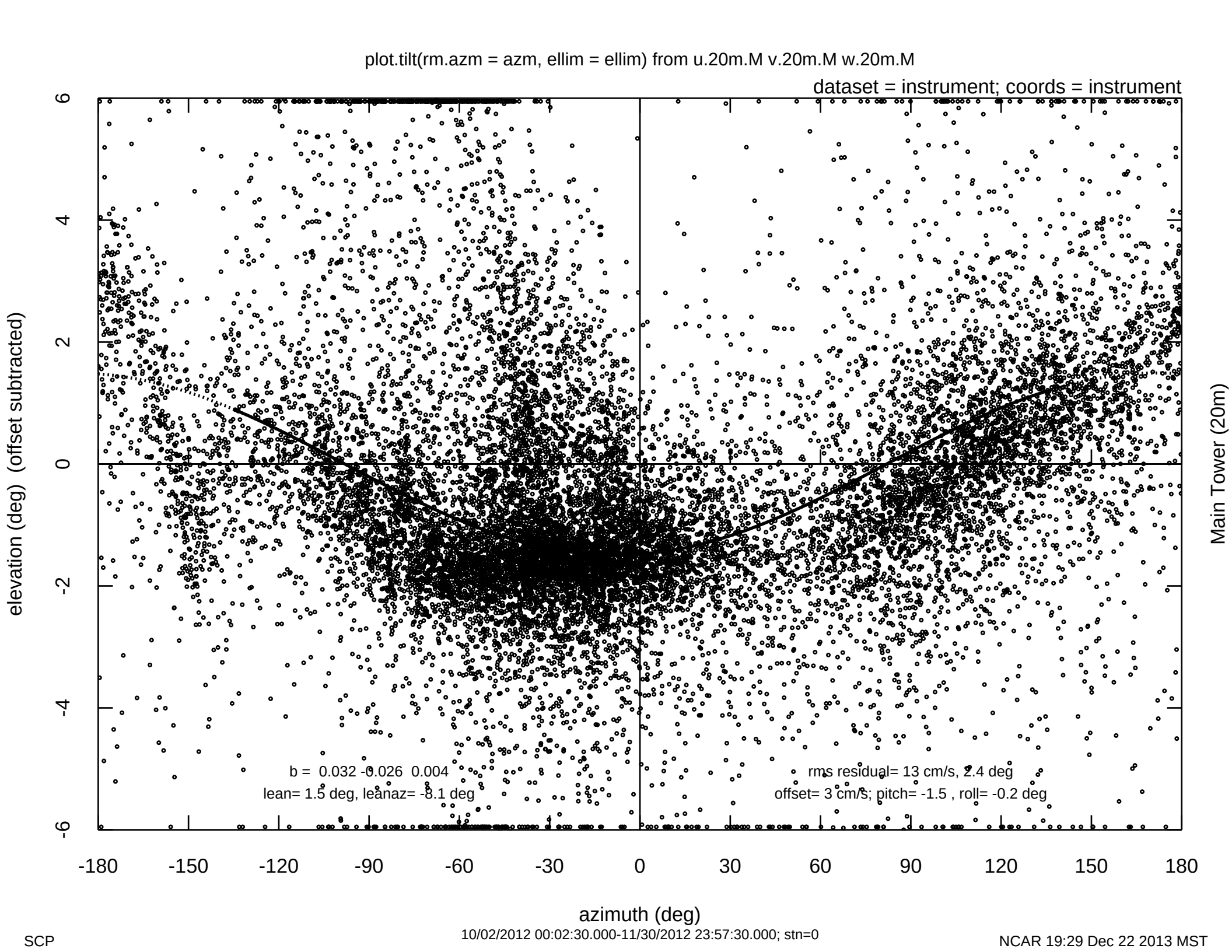

plot.tilt(rm.azm = azm, ellim = ellim) from u.2m.M v.2m.M w.2m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (2m)
azimuth (deg)
b = -0.024 -0.028 0.005
lean= 1.6 deg, leanaz= -9.5 deg
rms residual= 3 cm/s, 0.8 deg
offset= -2 cm/s; pitch= -1.6 , roll= -0.3 deg
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:28 Dec 22 2013 MST

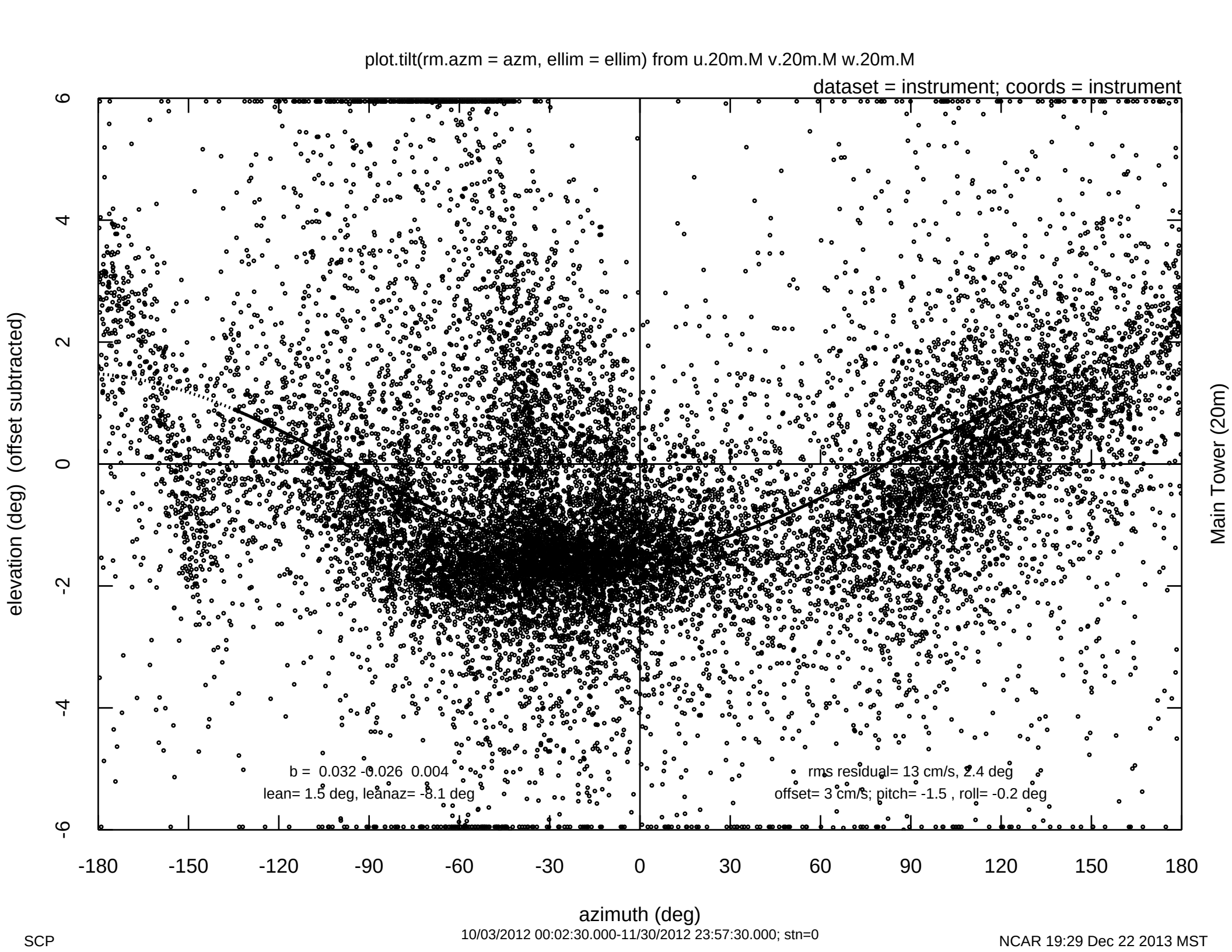

plot.tilt(rm.azm = azm, ellim = ellim) from u.3m.M v.3m.M w.3m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (3m)
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = 0.003 -0.011 0.003
lean= 0.7 deg, leanaz= -13.6 deg
rms residual= 4 cm/s, 1.1 deg
offset= 0 cm/s; pitch= -0.7 , roll= -0.2 deg
SCP
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
NCAR 19:28 Dec 22 2013 MST

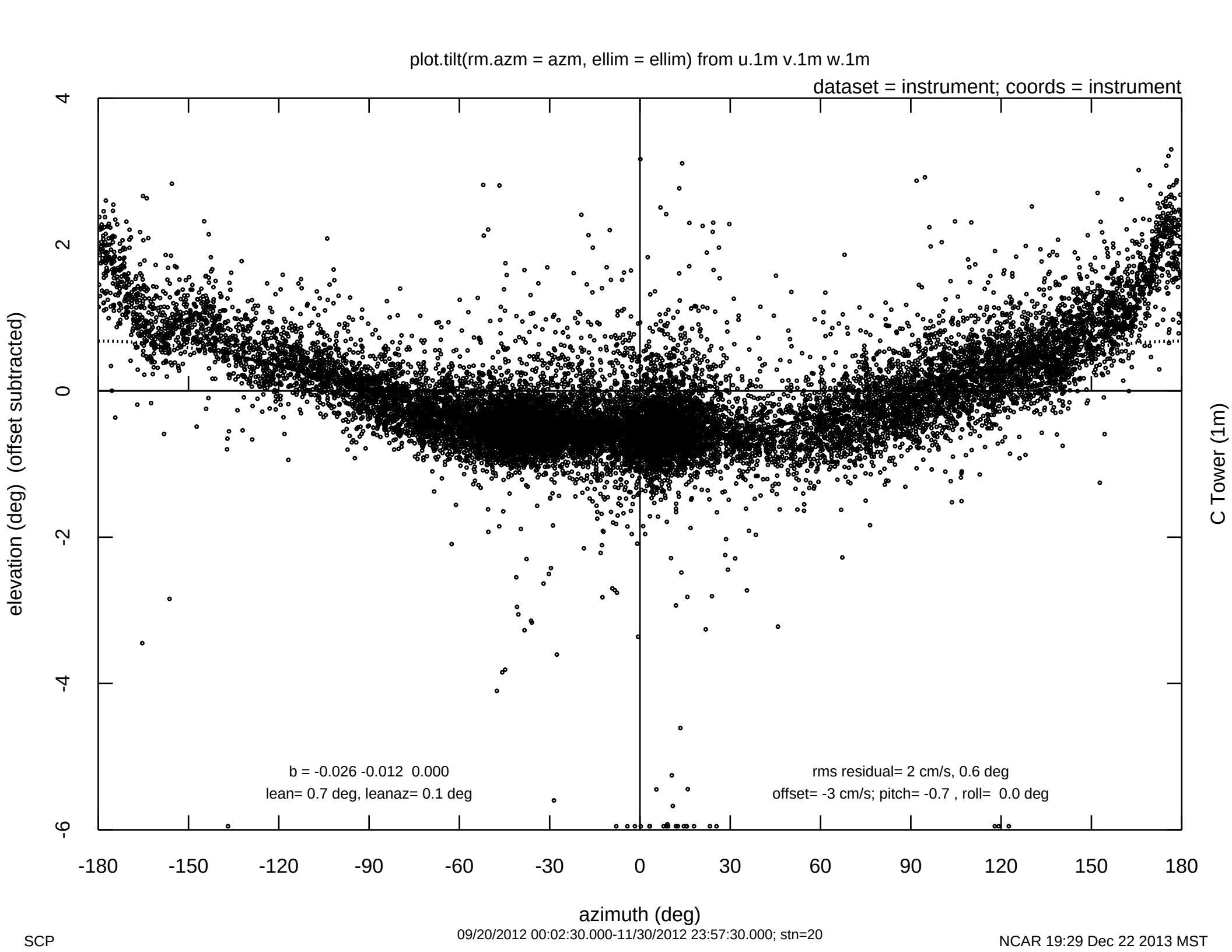

plot.tilt(rm.azm = azm, ellim = ellim) from u.4m.M v.4m.M w.4m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (4m)
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = -0.001 -0.021 -0.011
lean= 1.4 deg, leanaz= 27.5 deg
rms residual= 5 cm/s, 1.3 deg
offset= 0 cm/s; pitch= -1.2 , roll= 0.6 deg
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:28 Dec 22 2013 MST

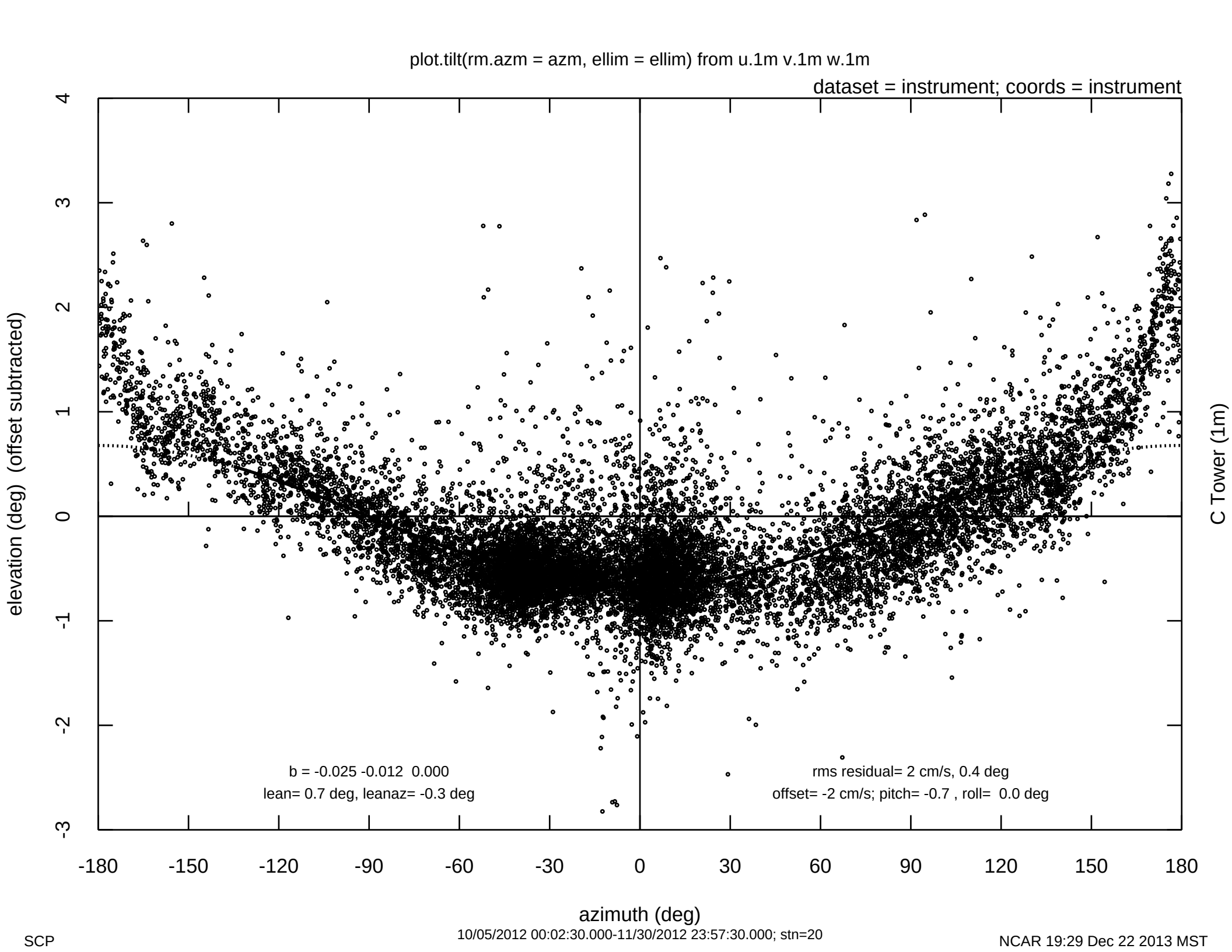

plot.tilt(rm.azm = azm, ellim = ellim) from u.5m.M v.5m.M w.5m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (5m)
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = 0.012 -0.018 -0.003
lean= 1.1 deg, leanaz= 9.5 deg
rms residual= 6 cm/s, 1.5 deg
offset= 1 cm/s; pitch= -1.0 , roll= 0.2 deg
SCP
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
NCAR 19:29 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.10m.M v.10m.M w.10m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (10m)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
azimuth (deg)
b = 0.008 -0.012 -0.010
lean= 0.9 deg, leanaz= 39.7 deg
rms residual= 10 cm/s, 2.1 deg
offset= 1 cm/s; pitch= -0.7 , roll= 0.6 deg
SCP
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
NCAR 19:29 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.20m.M v.20m.M w.20m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (20m)
azimuth (deg)
b = 0.032 -0.026 0.004
lean= 1.5 deg, leanaz= -8.1 deg
rms residual= 13 cm/s, 2.4 deg
offset= 3 cm/s; pitch= -1.5 , roll= -0.2 deg
10/02/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:29 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.20m.M v.20m.M w.20m.M
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Main Tower (20m)
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = 0.032 -0.026 0.004
lean= 1.5 deg, leanaz= -8.1 deg
rms residual= 13 cm/s, 2.4 deg
offset= 3 cm/s; pitch= -1.5 , roll= -0.2 deg
10/03/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:29 Dec 22 2013 MST

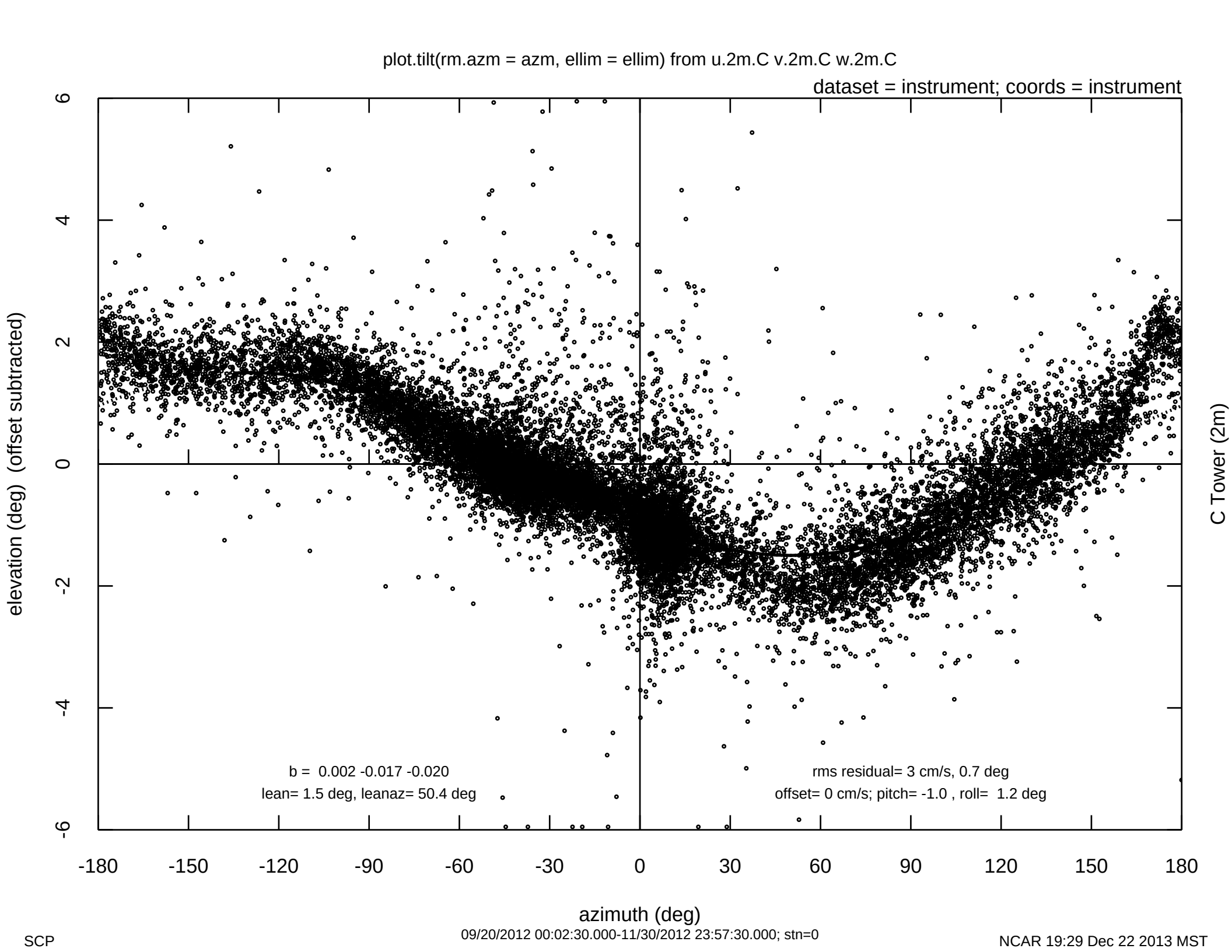

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
C Tower (1m)
azimuth (deg)
b = -0.026 -0.012 0.000
lean= 0.7 deg, leanaz= 0.1 deg
rms residual= 2 cm/s, 0.6 deg
offset= -3 cm/s; pitch= -0.7 , roll= 0.0 deg
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=20
NCAR 19:29 Dec 22 2013 MST

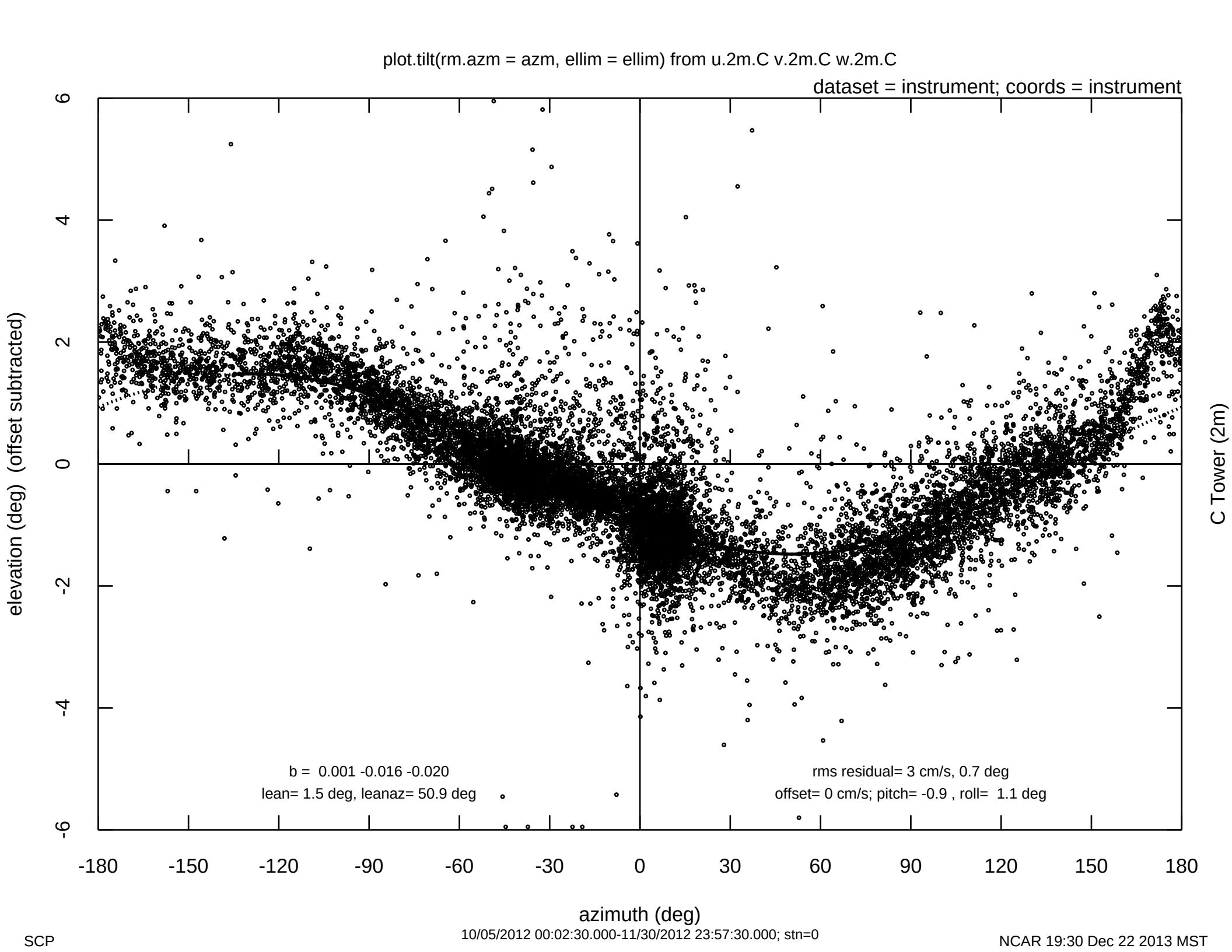


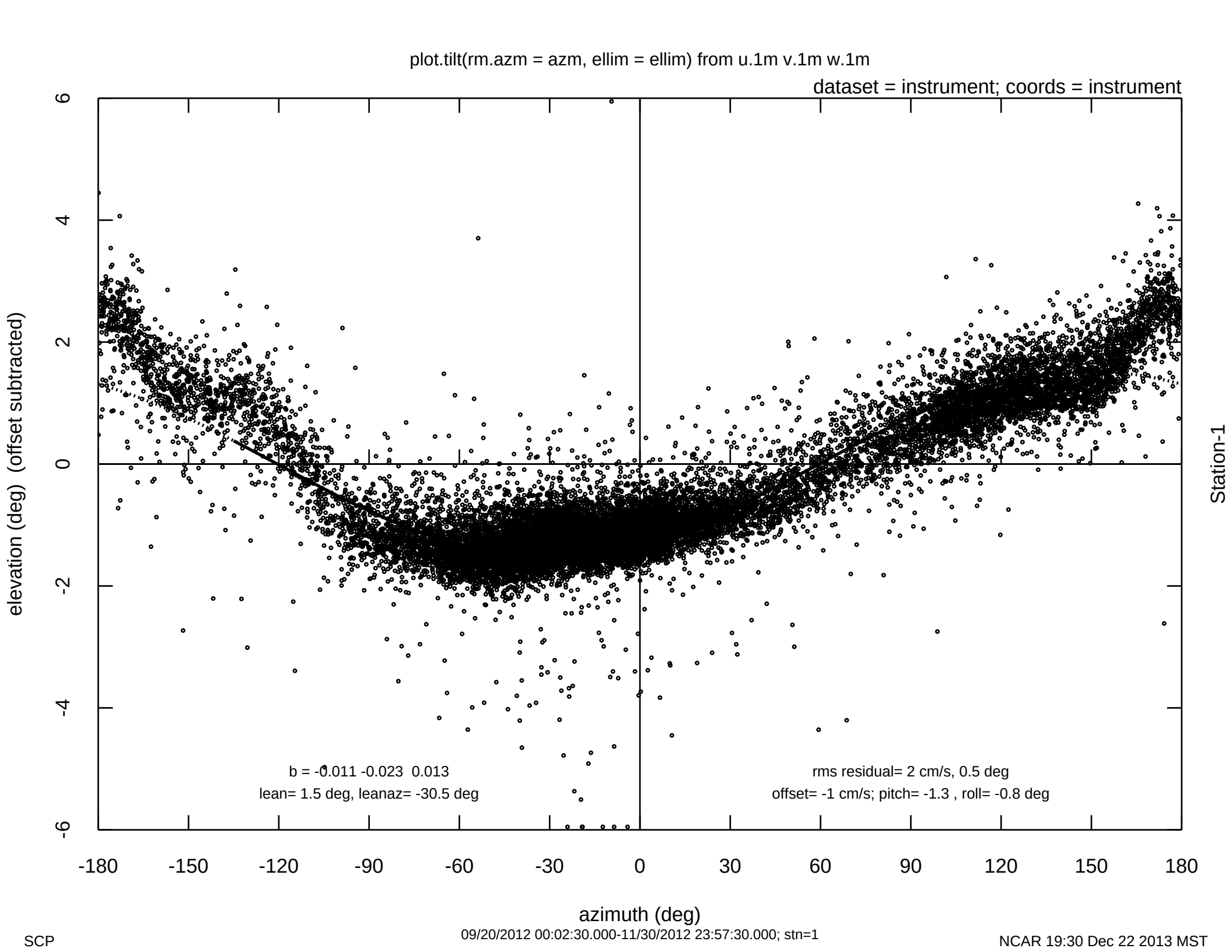
SCP

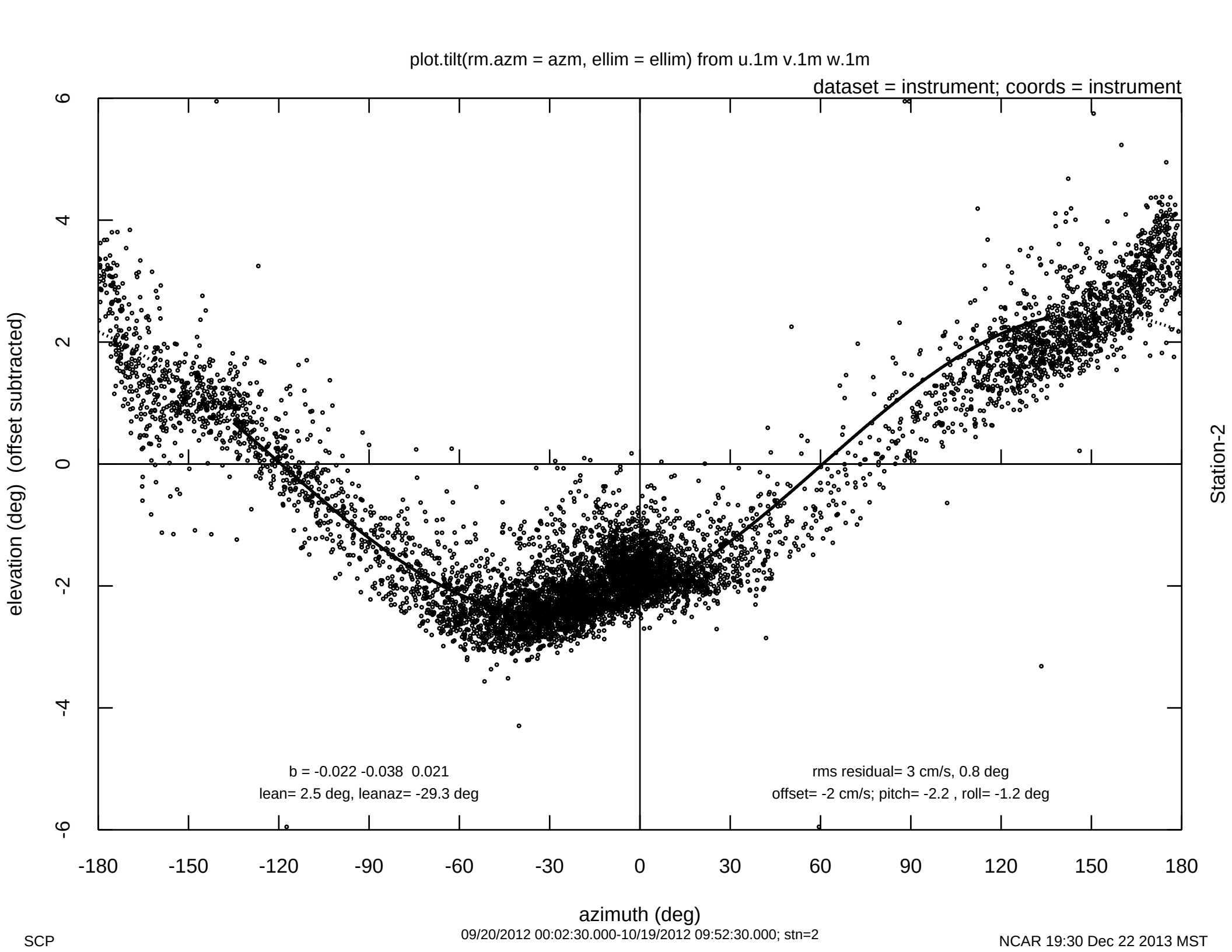
10/05/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=20

NCAR 19:29 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.2m.C v.2m.C w.2m.C
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
C Tower (2m)
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = 0.002 -0.017 -0.020
lean= 1.5 deg, leanaz= 50.4 deg
rms residual= 3 cm/s, 0.7 deg
offset= 0 cm/s; pitch= -1.0 , roll= 1.2 deg
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:29 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.2m.C v.2m.C w.2m.C
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
C Tower (2m)
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = 0.001 -0.016 -0.020
lean= 1.5 deg, leanaz= 50.9 deg
rms residual= 3 cm/s, 0.7 deg
offset= 0 cm/s; pitch= -0.9 , roll= 1.1 deg
10/05/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:30 Dec 22 2013 MST

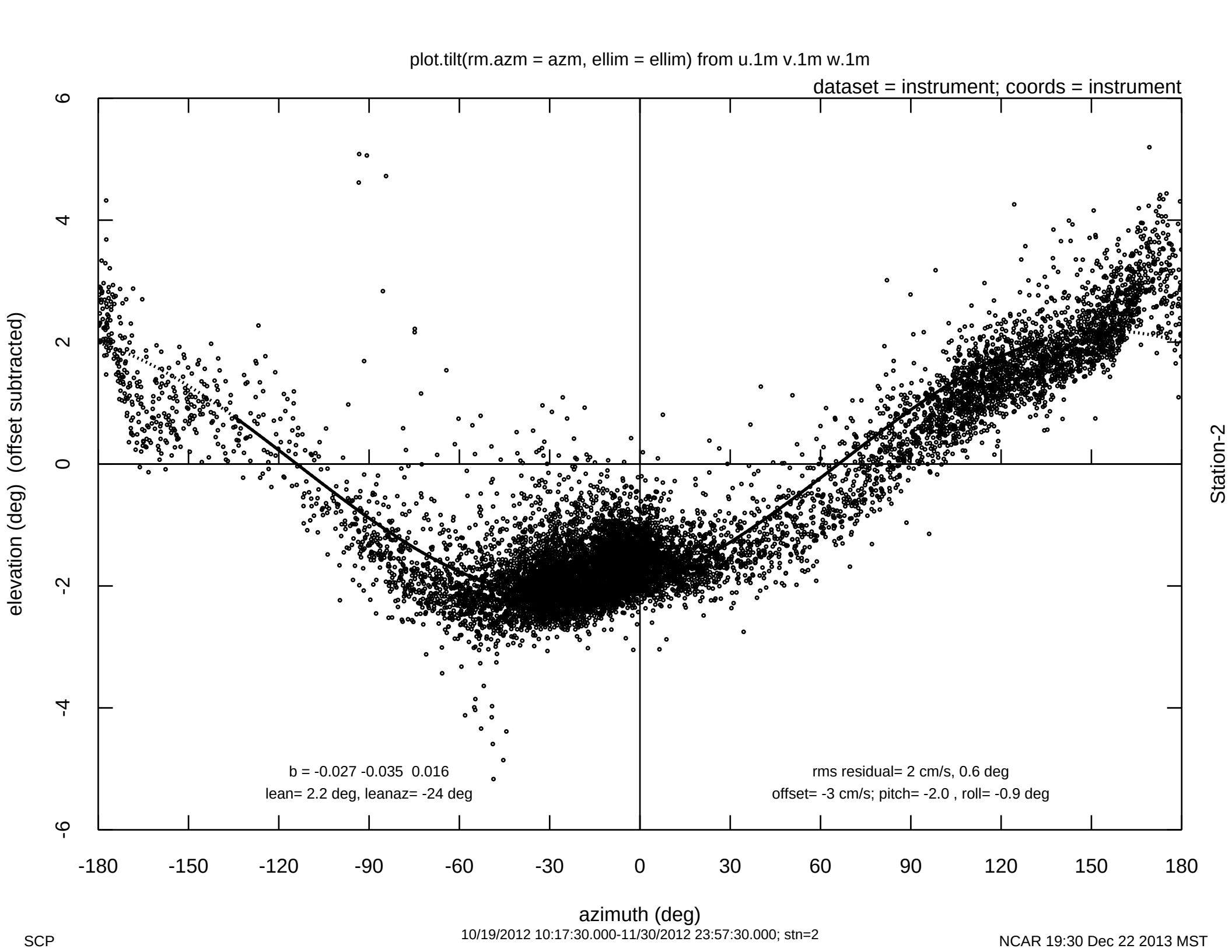

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-1
b = -0.011 -0.023 0.013
lean= 1.5 deg, leanaz= -30.5 deg
rms residual= 2 cm/s, 0.5 deg
offset= -1 cm/s; pitch= -1.3 , roll= -0.8 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=1
NCAR 19:30 Dec 22 2013 MST



SCP

09/20/2012 00:02:30.000-10/19/2012 09:52:30.000; stn=2

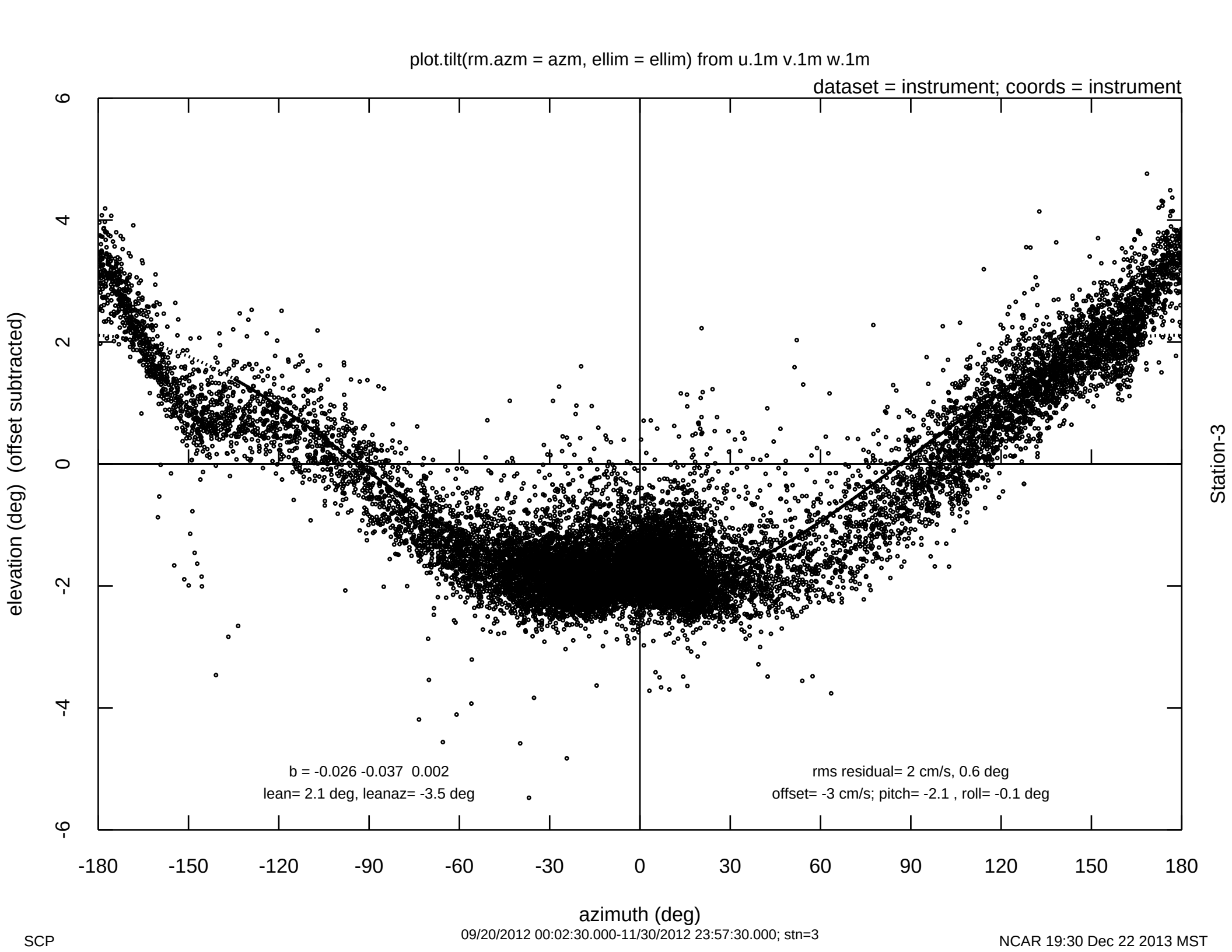
NCAR 19:30 Dec 22 2013 MST

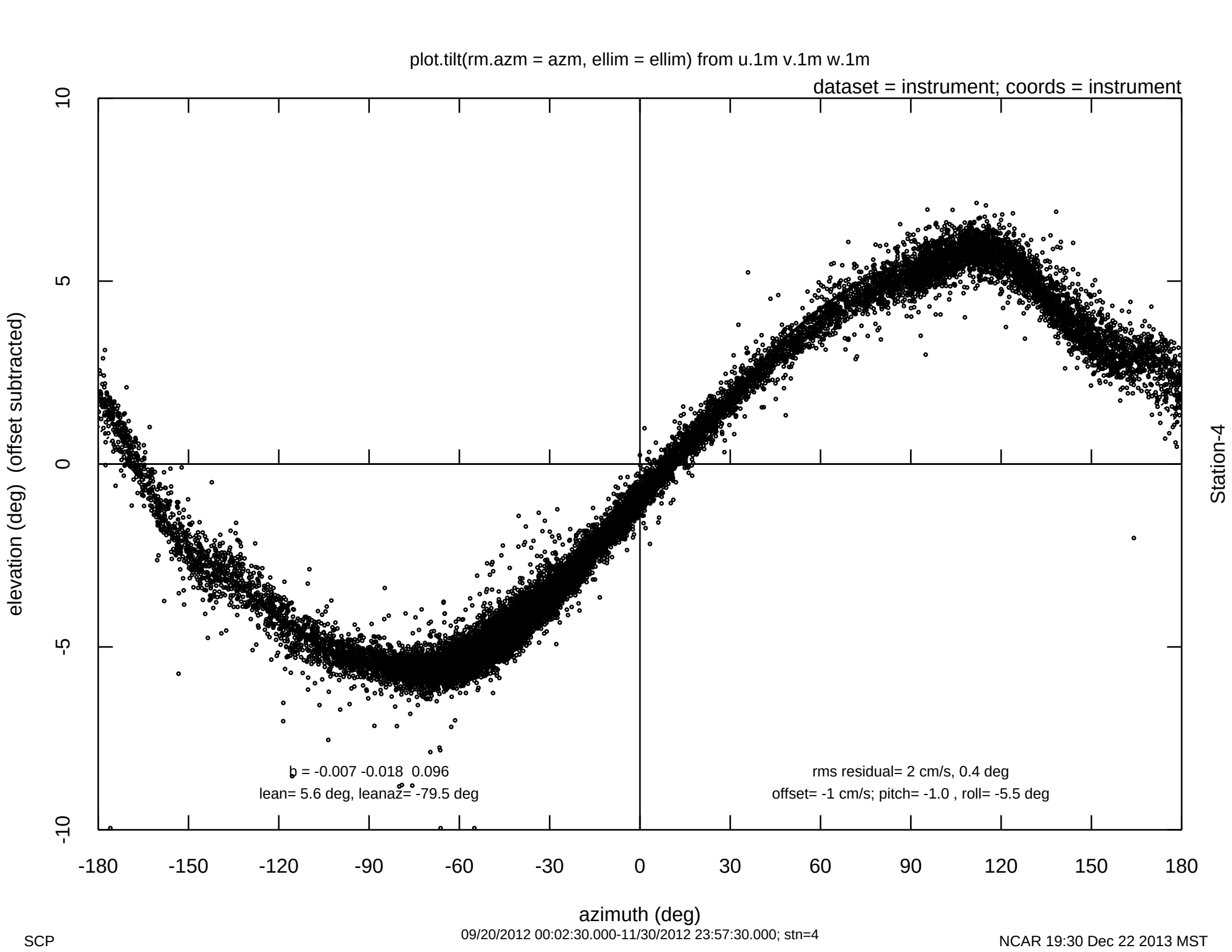


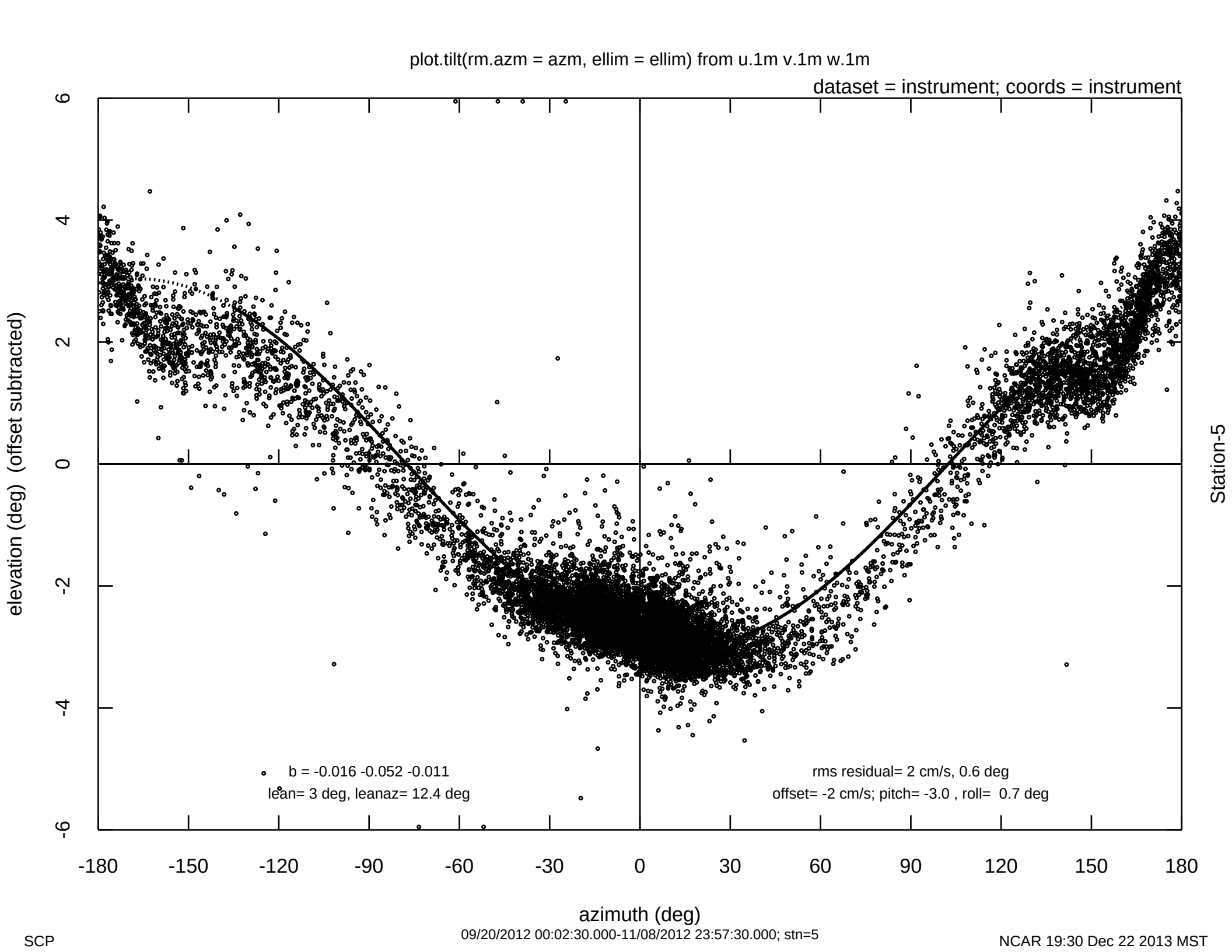
SCP

10/19/2012 10:17:30.000-11/30/2012 23:57:30.000; stn=2

NCAR 19:30 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-3
b = -0.026 -0.037 0.002
lean= 2.1 deg, leanaz= -3.5 deg
rms residual= 2 cm/s, 0.6 deg
offset= -3 cm/s; pitch= -2.1 , roll= -0.1 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=3
SCP
NCAR 19:30 Dec 22 2013 MST

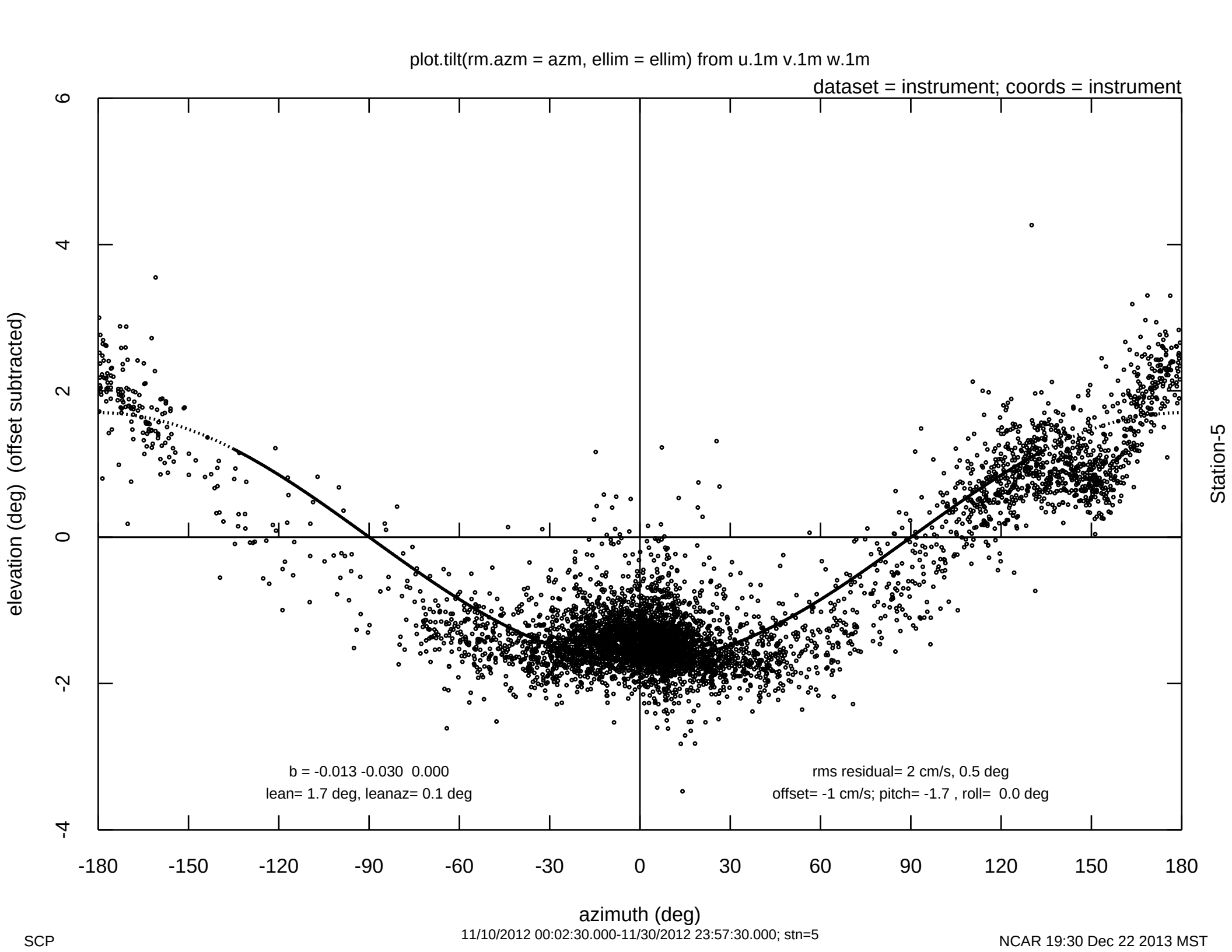

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-4
b = -0.007 -0.018 0.096
lean= 5.6 deg, leanaz= -79.5 deg
rms residual= 2 cm/s, 0.4 deg
offset= -1 cm/s; pitch= -1.0 , roll= -5.5 deg
10
5
0
-5
-10
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=4
SCP
NCAR 19:30 Dec 22 2013 MST



SCP

09/20/2012 00:02:30.000-11/08/2012 23:57:30.000; stn=5

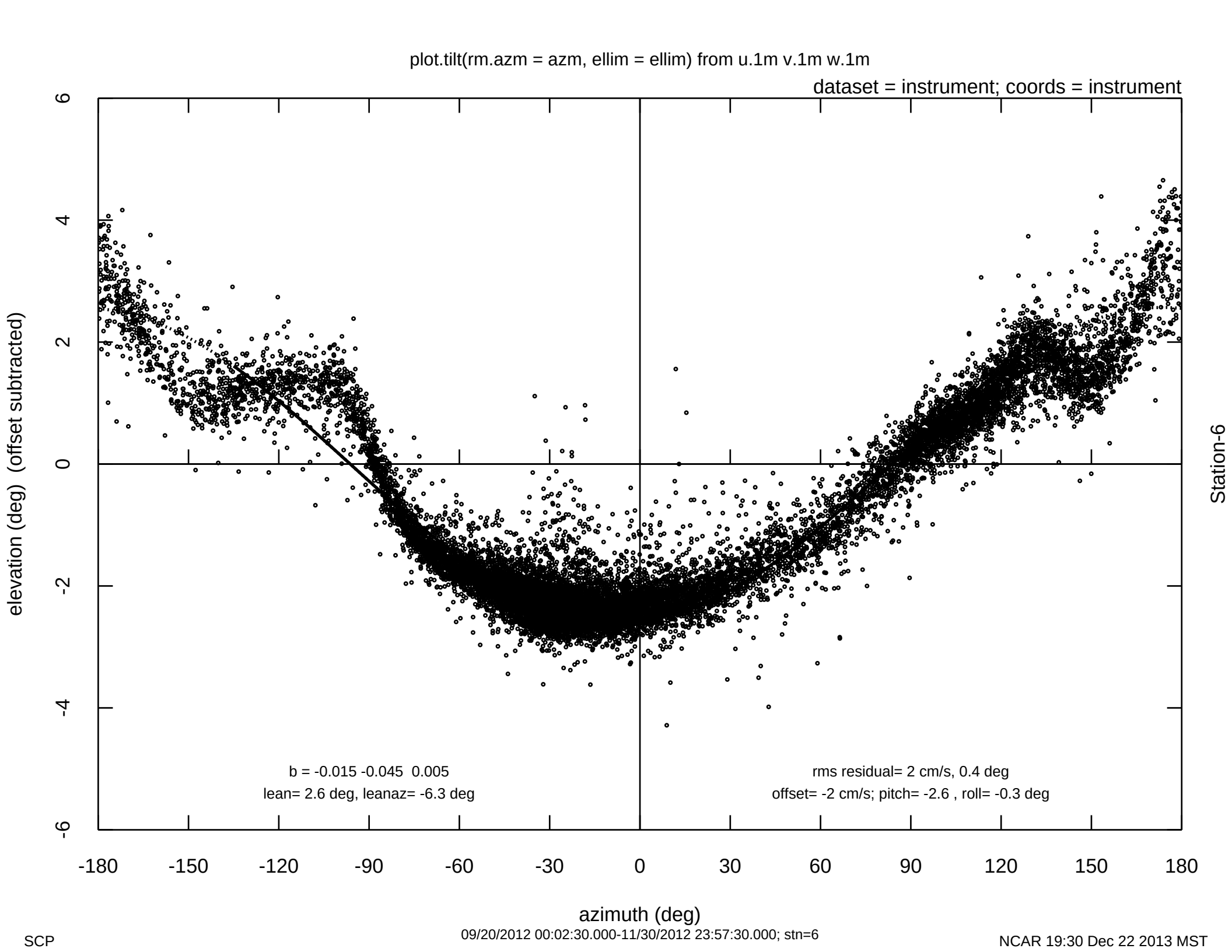
NCAR 19:30 Dec 22 2013 MST



SCP

11/10/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=5

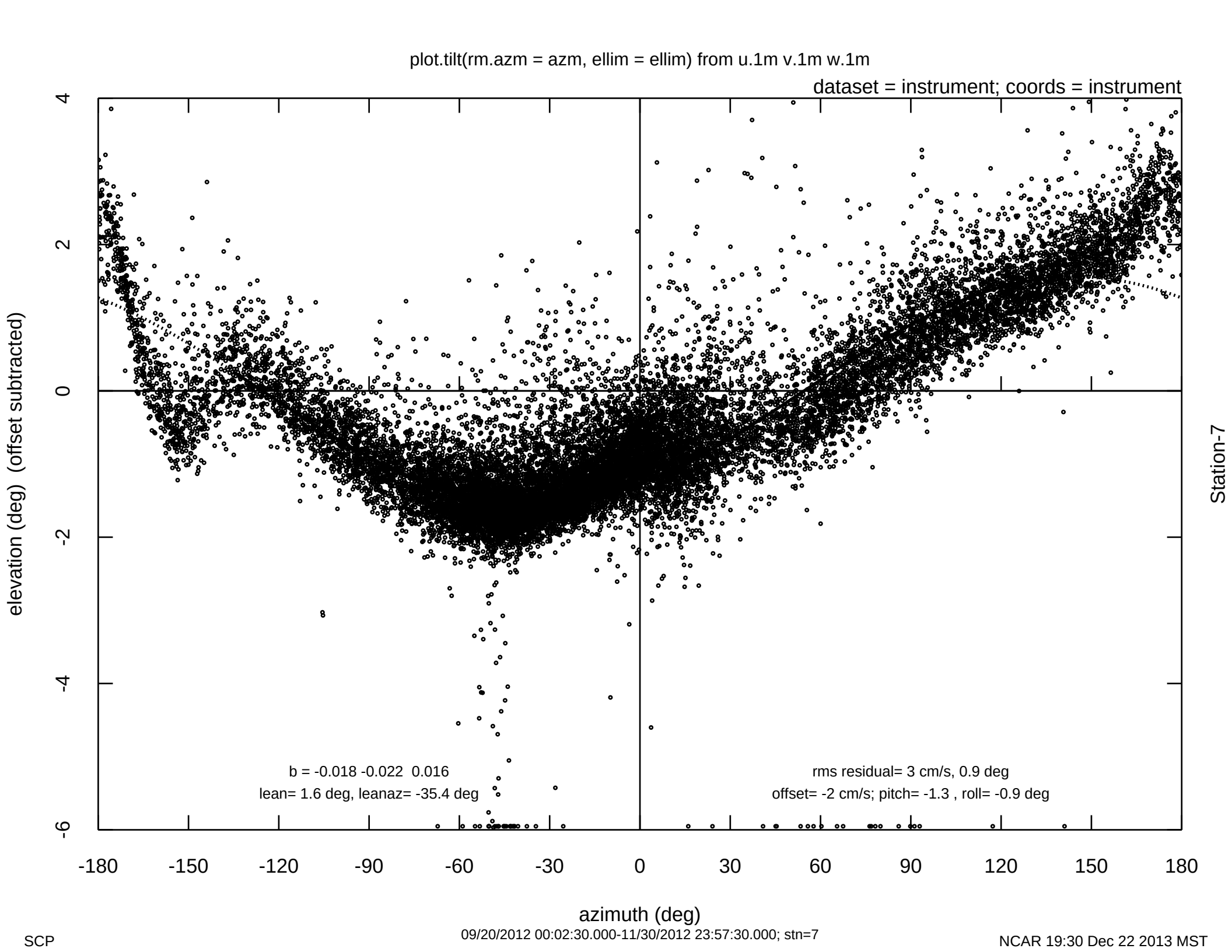
NCAR 19:30 Dec 22 2013 MST

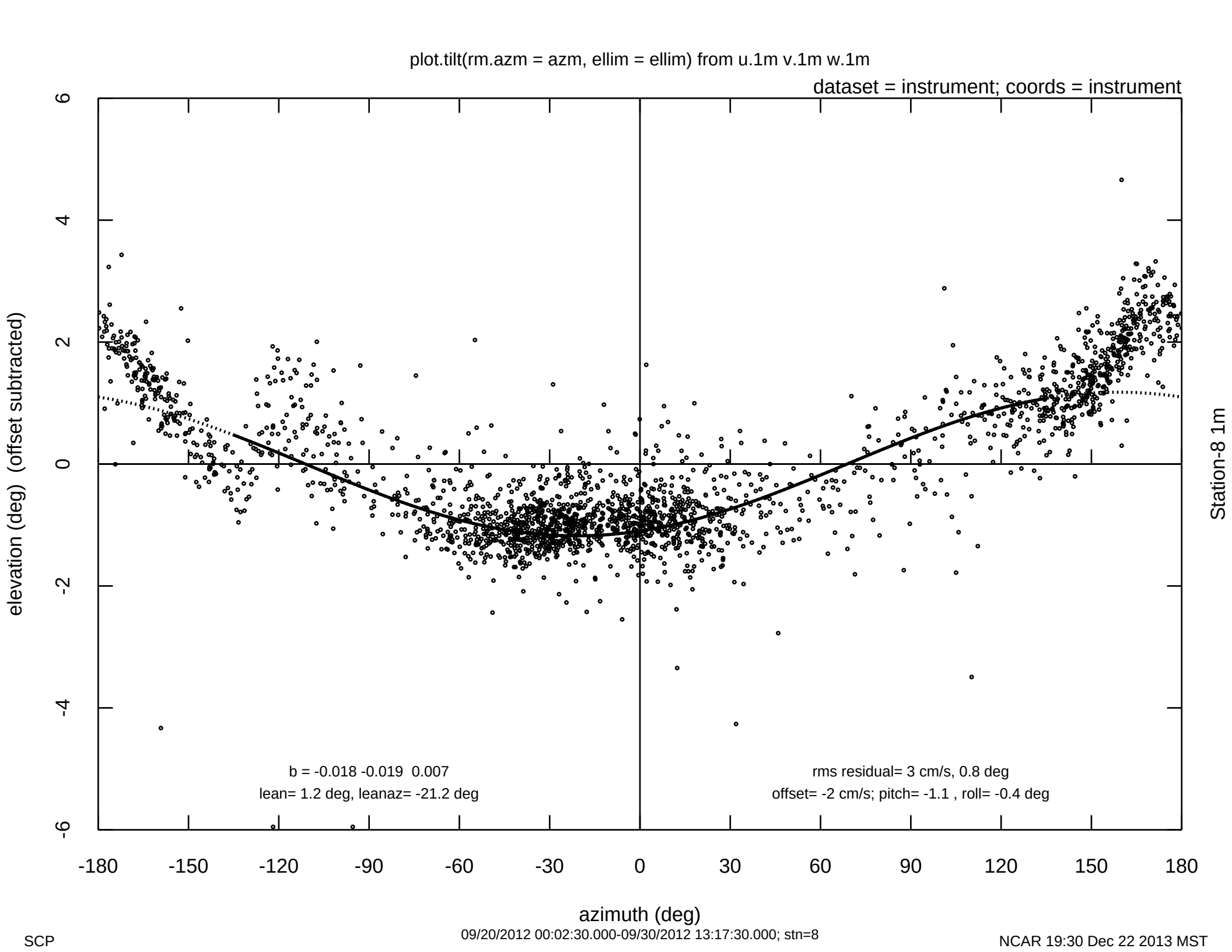


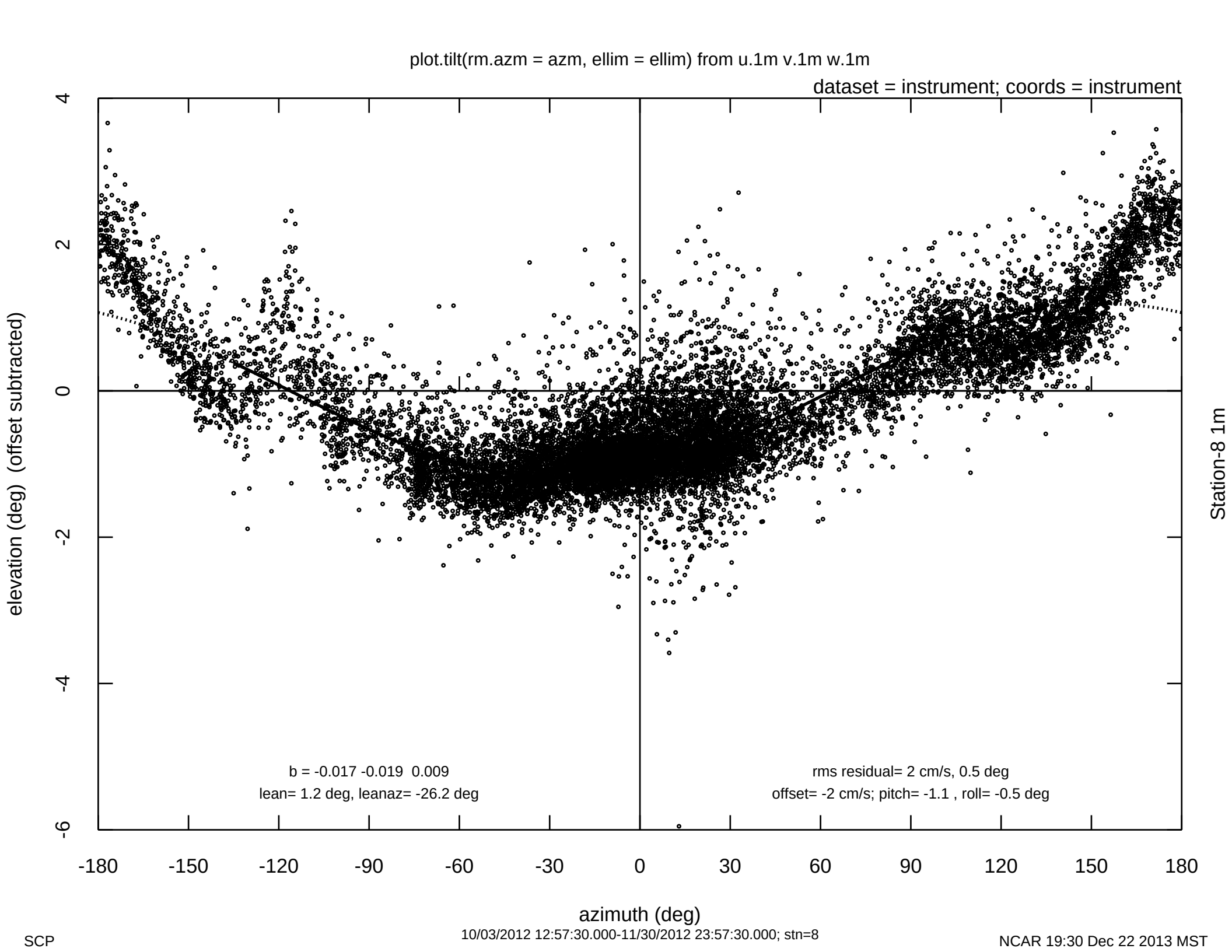
SCP

09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=6

NCAR 19:30 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-7
b = -0.018 -0.022 0.016
lean= 1.6 deg, leanaz= -35.4 deg
rms residual= 3 cm/s, 0.9 deg
offset= -2 cm/s; pitch= -1.3 , roll= -0.9 deg
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=7
SCP
NCAR 19:30 Dec 22 2013 MST

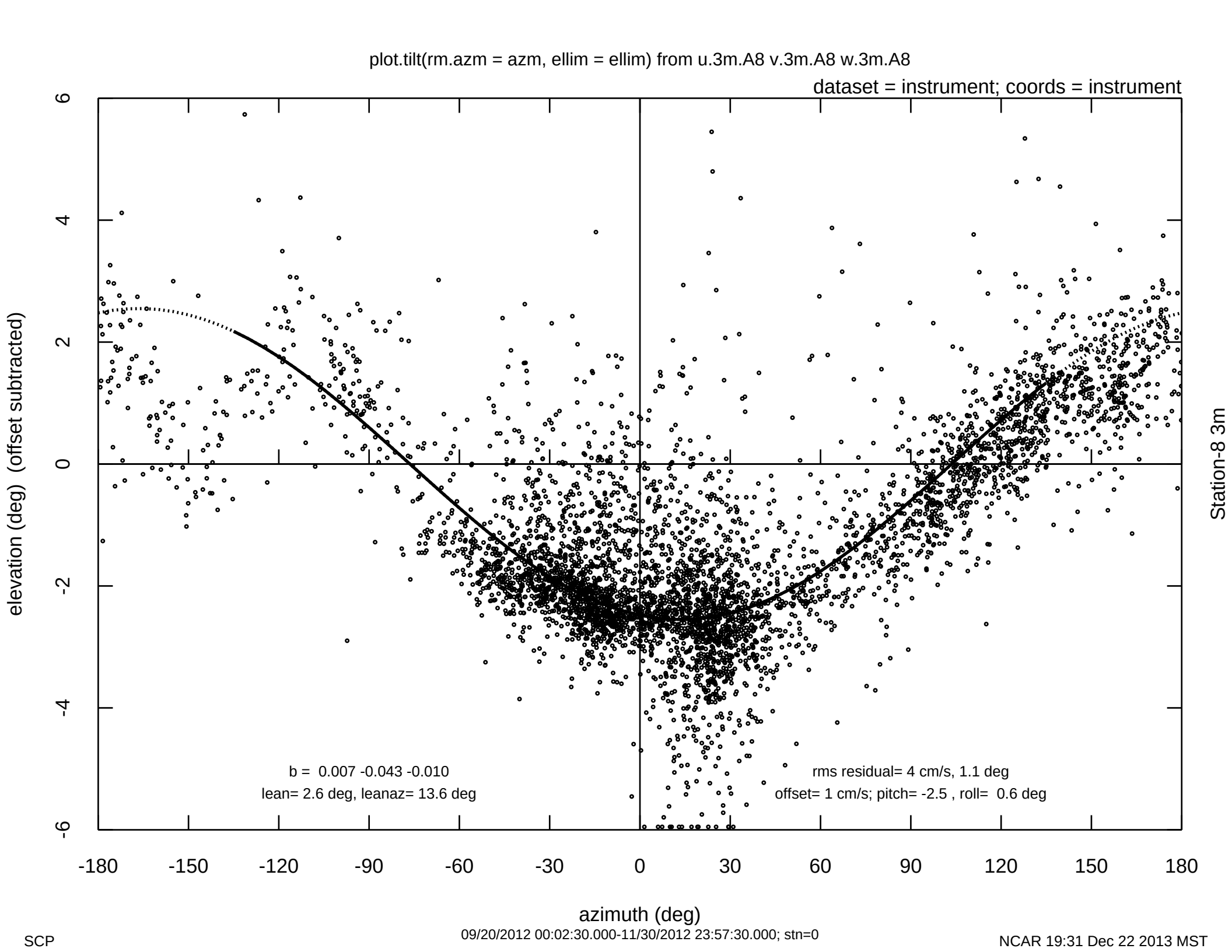

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
Station-8 1m
azimuth (deg)
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
b = -0.018 -0.019 0.007
lean= 1.2 deg, leanaz= -21.2 deg
rms residual= 3 cm/s, 0.8 deg
offset= -2 cm/s; pitch= -1.1 , roll= -0.4 deg
09/20/2012 00:02:30.000-09/30/2012 13:17:30.000; stn=8
SCP
NCAR 19:30 Dec 22 2013 MST

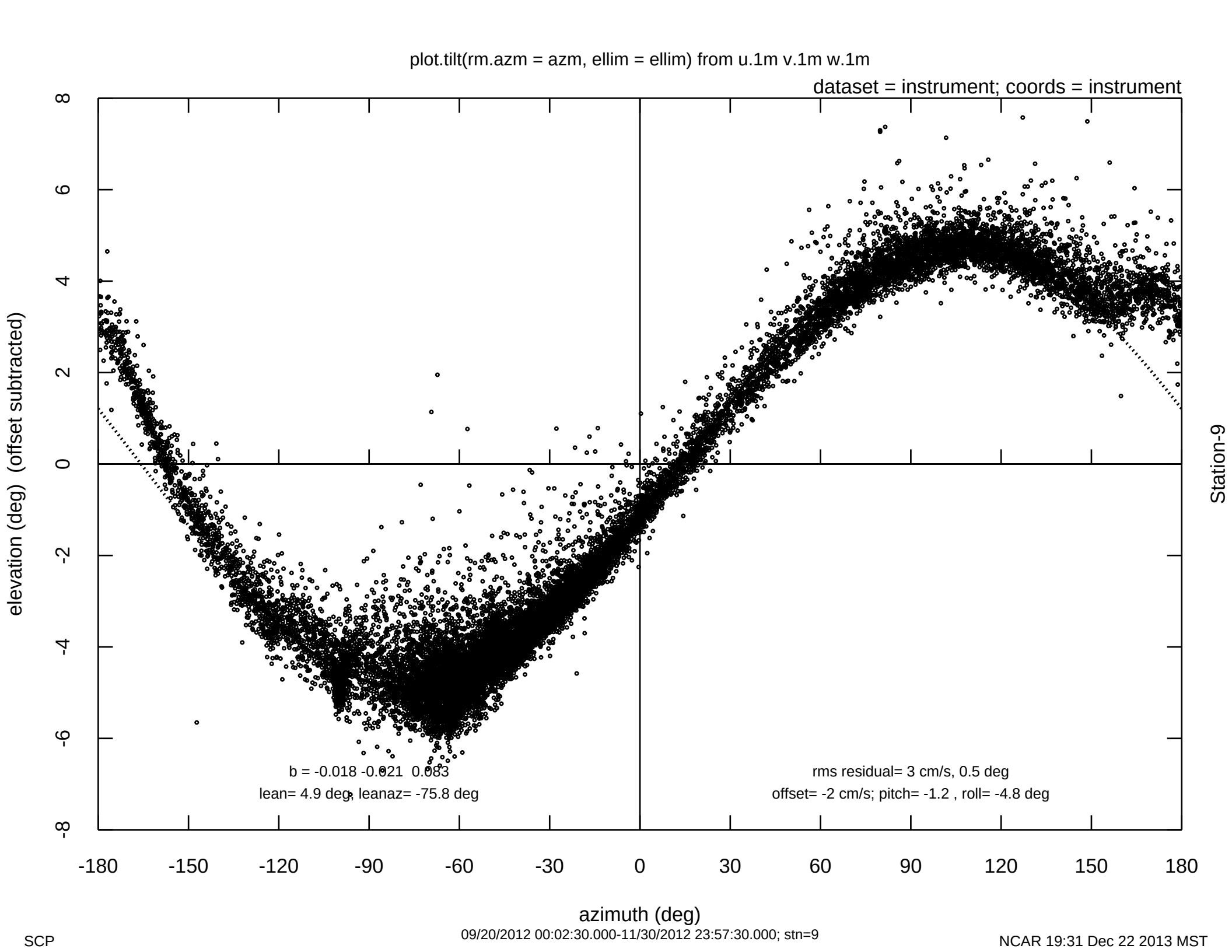


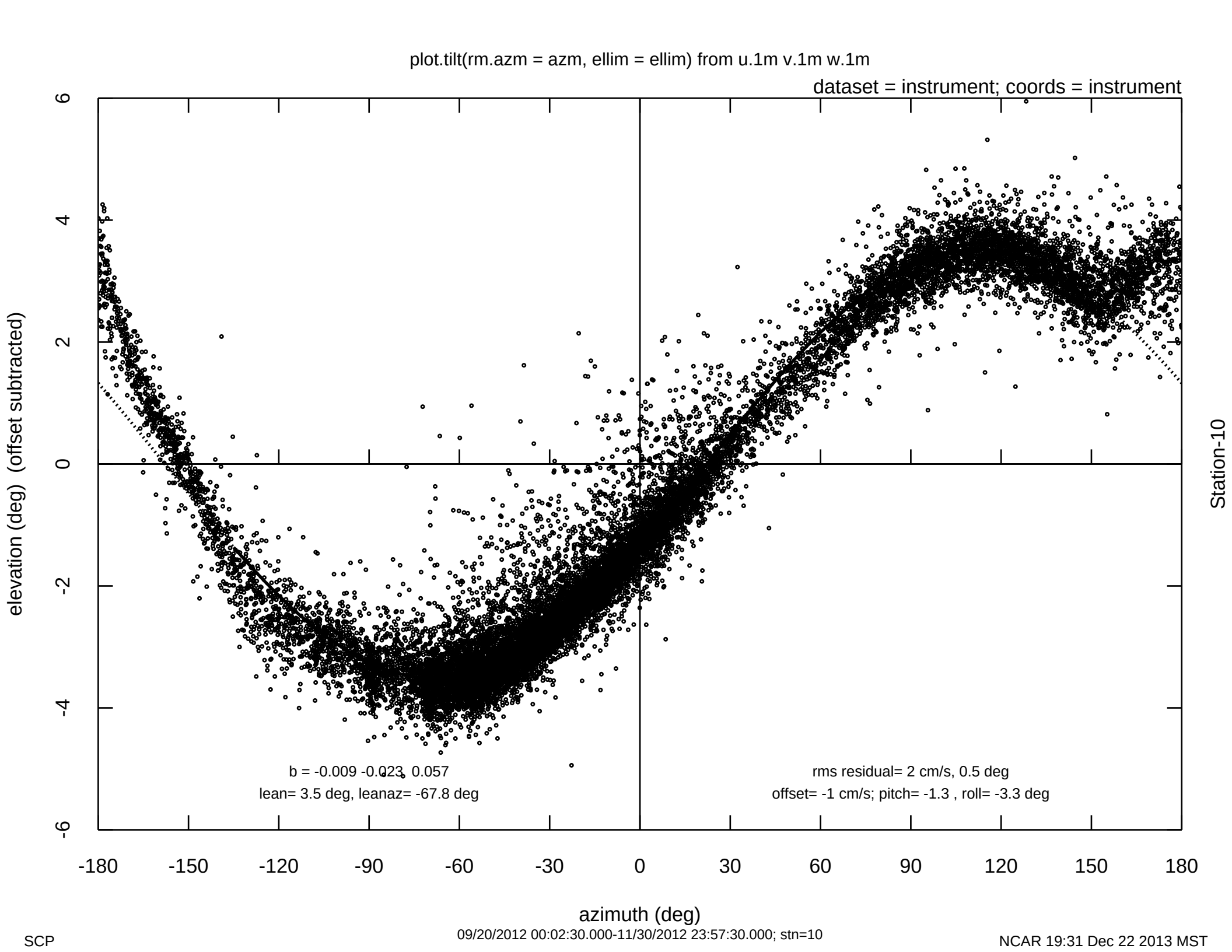
SCP

10/03/2012 12:57:30.000-11/30/2012 23:57:30.000; stn=8

NCAR 19:30 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.3m.A8 v.3m.A8 w.3m.A8
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-8 3m
b = 0.007 -0.043 -0.010
lean= 2.6 deg, leanaz= 13.6 deg
rms residual= 4 cm/s, 1.1 deg
offset= 1 cm/s; pitch= -2.5 , roll= 0.6 deg
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=0
SCP
NCAR 19:31 Dec 22 2013 MST

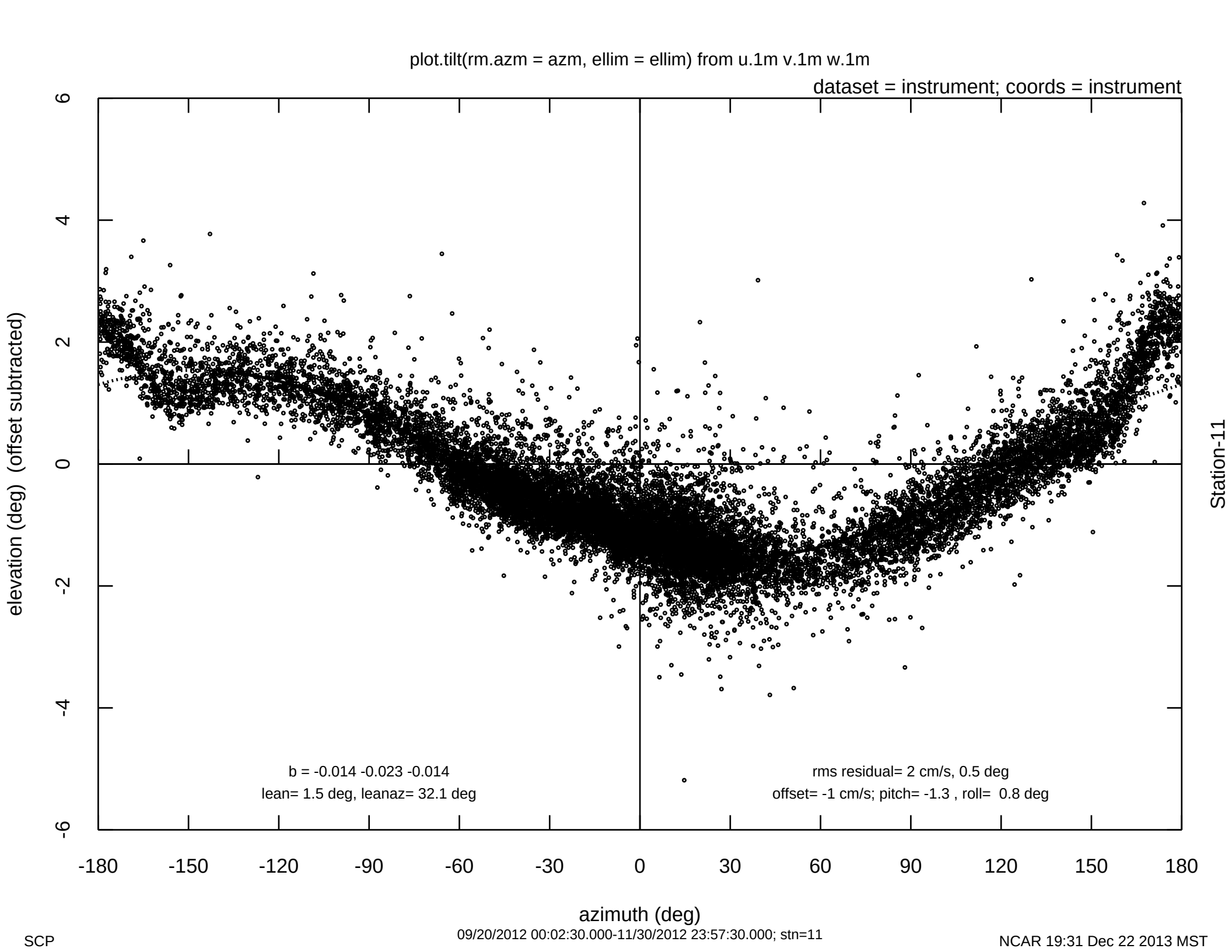

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-9
b = -0.018 -0.021 0.083
lean= 4.9 deg, leanaz= -75.8 deg
rms residual= 3 cm/s, 0.5 deg
offset= -2 cm/s; pitch= -1.2 , roll= -4.8 deg
-180 -150 -120 -90 -60 -30 0 30 60 90 120 150 180
-8 -6 -4 -2 0 2 4 6 8
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=9
SCP
NCAR 19:31 Dec 22 2013 MST



SCP

09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=10

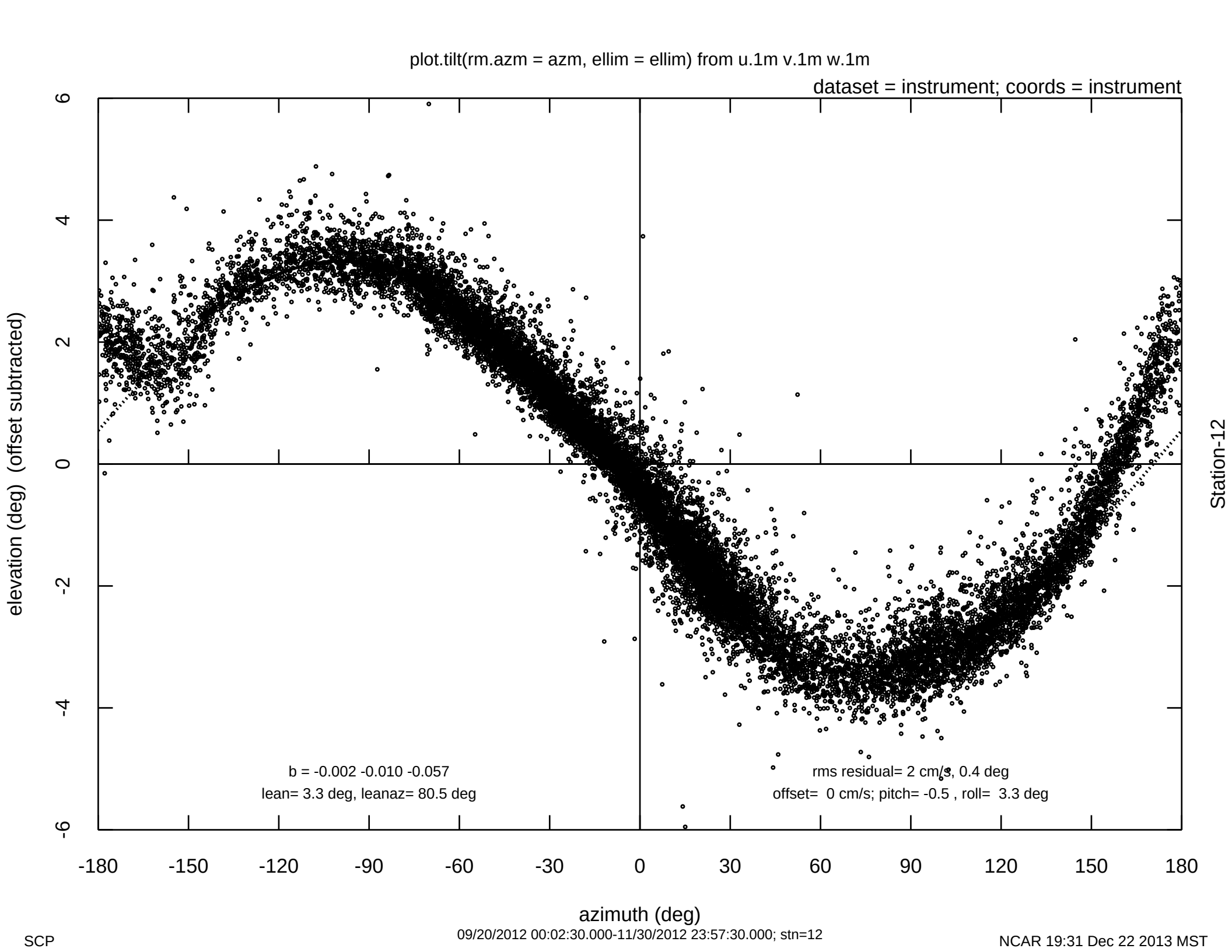
NCAR 19:31 Dec 22 2013 MST

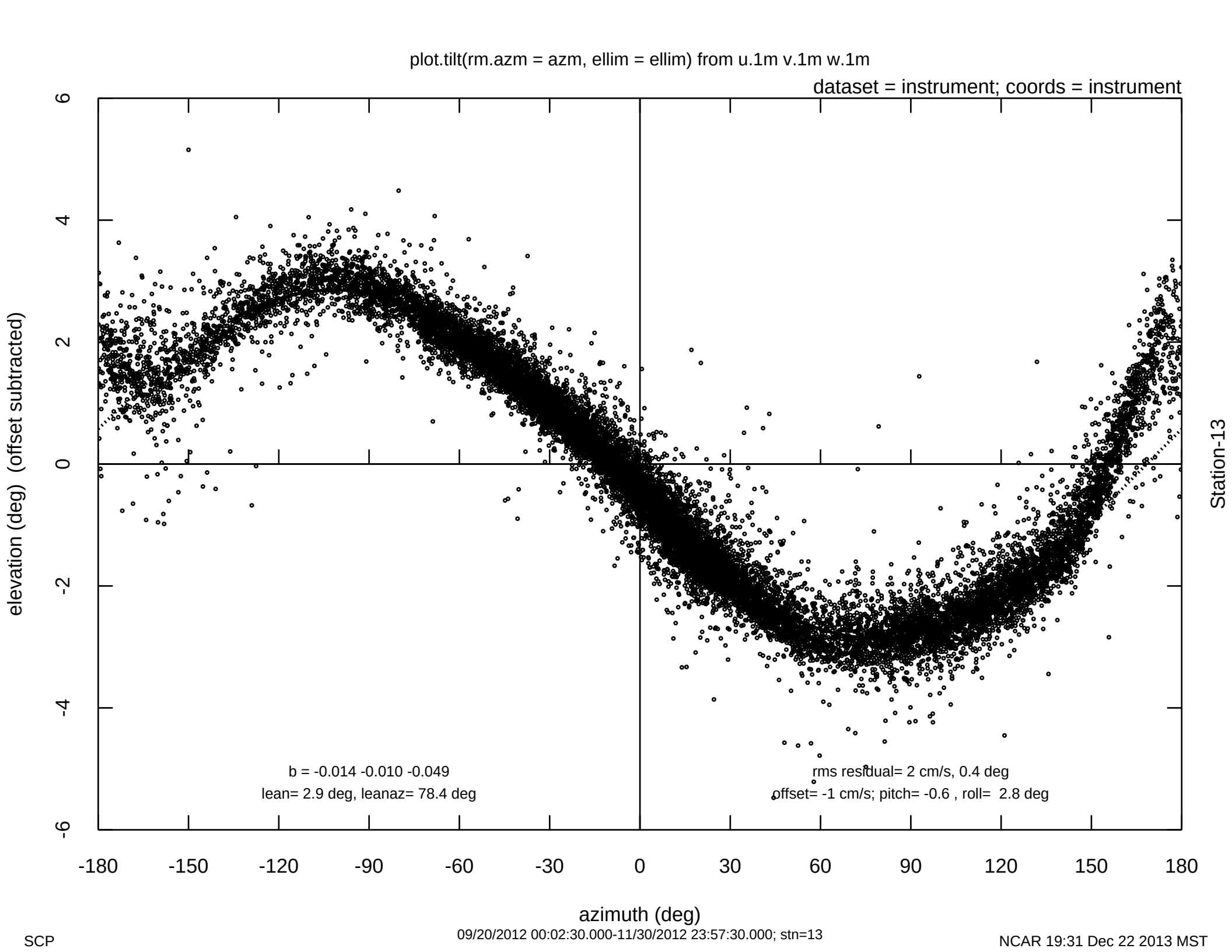


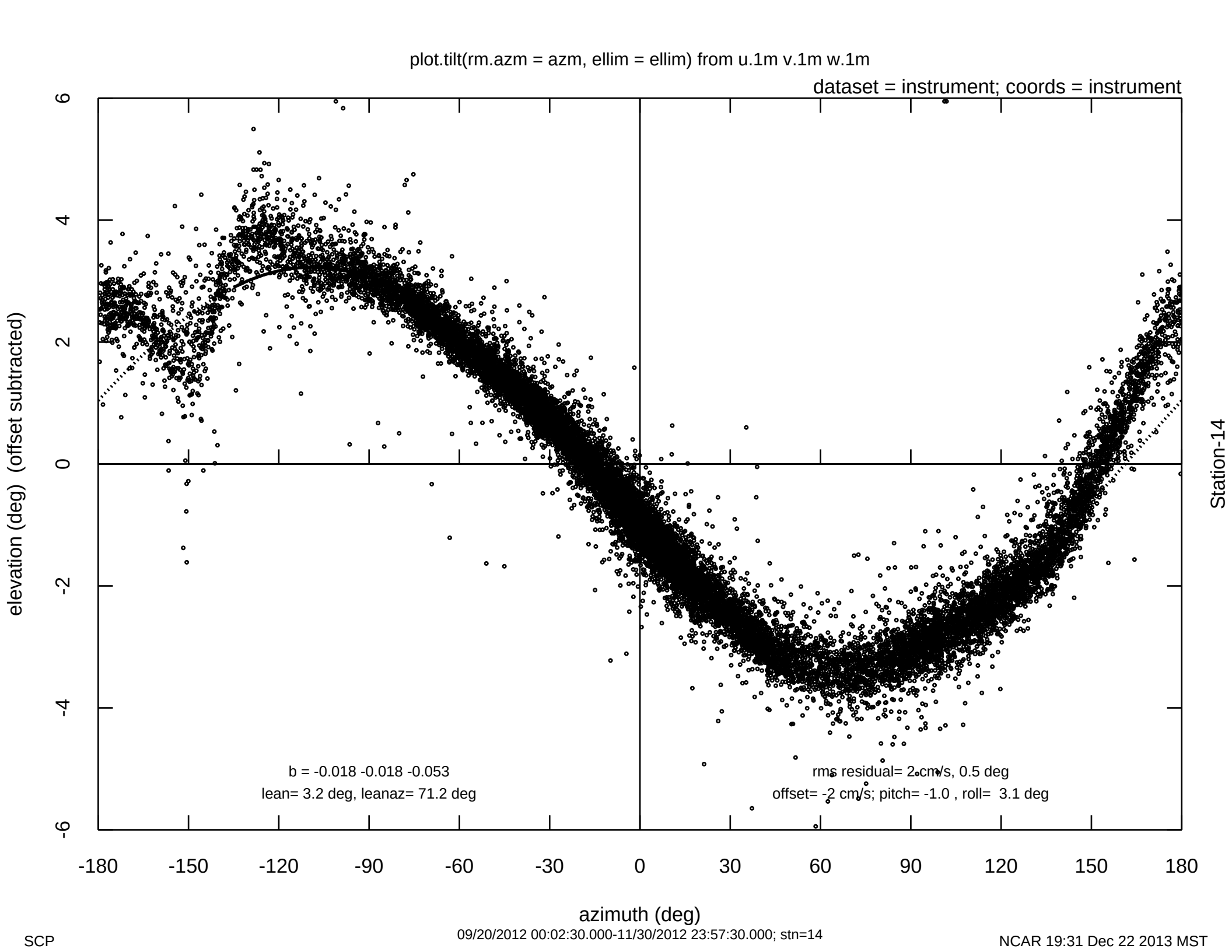
SCP

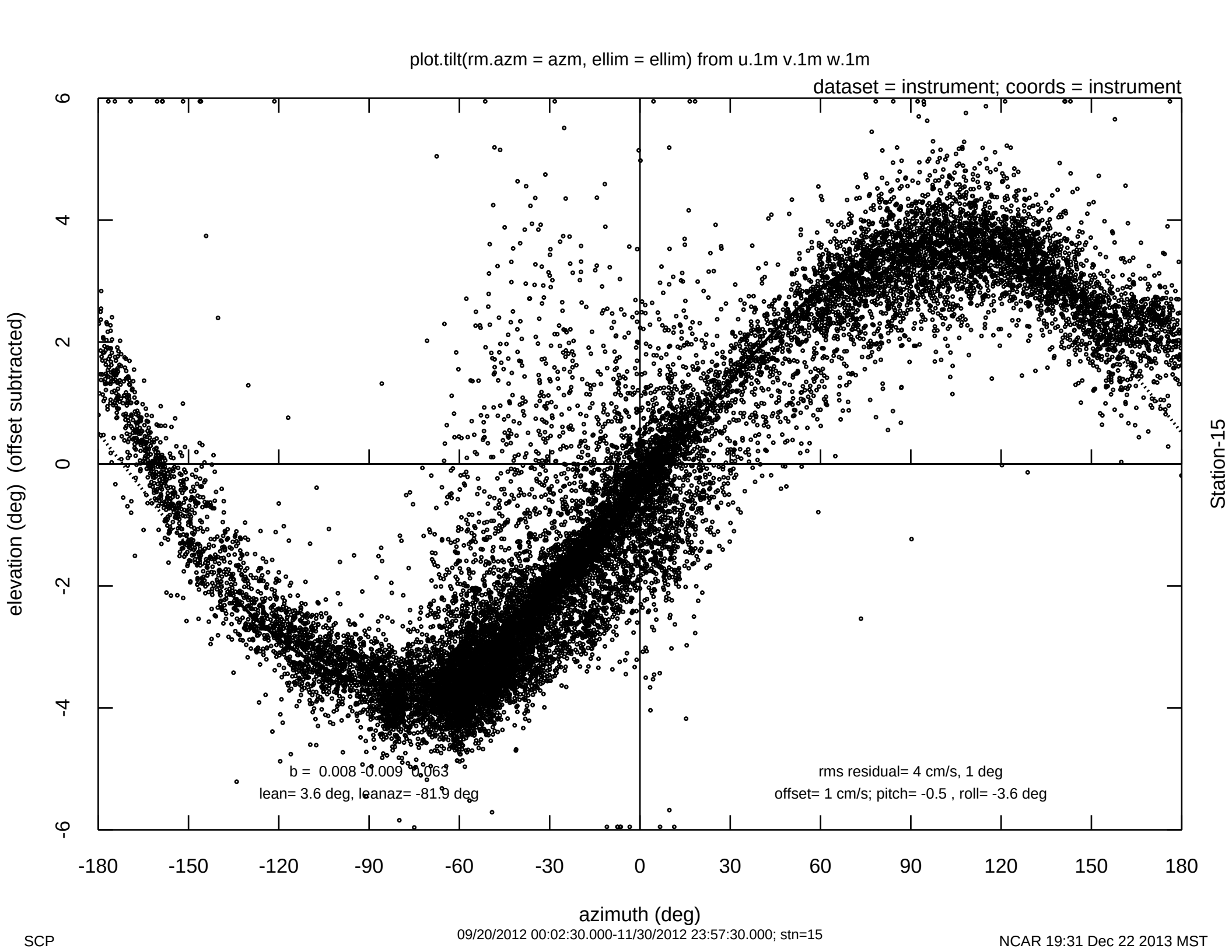
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=11

NCAR 19:31 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-12
b = -0.002 -0.010 -0.057
lean= 3.3 deg, leanaz= 80.5 deg
rms residual= 2 cm/s, 0.4 deg
offset= 0 cm/s; pitch= -0.5 , roll= 3.3 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=12
SCP
NCAR 19:31 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-13
b = -0.014 -0.010 -0.049
lean= 2.9 deg, leanaz= 78.4 deg
rms residual= 2 cm/s, 0.4 deg
offset= -1 cm/s; pitch= -0.6 , roll= 2.8 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=13
NCAR 19:31 Dec 22 2013 MST

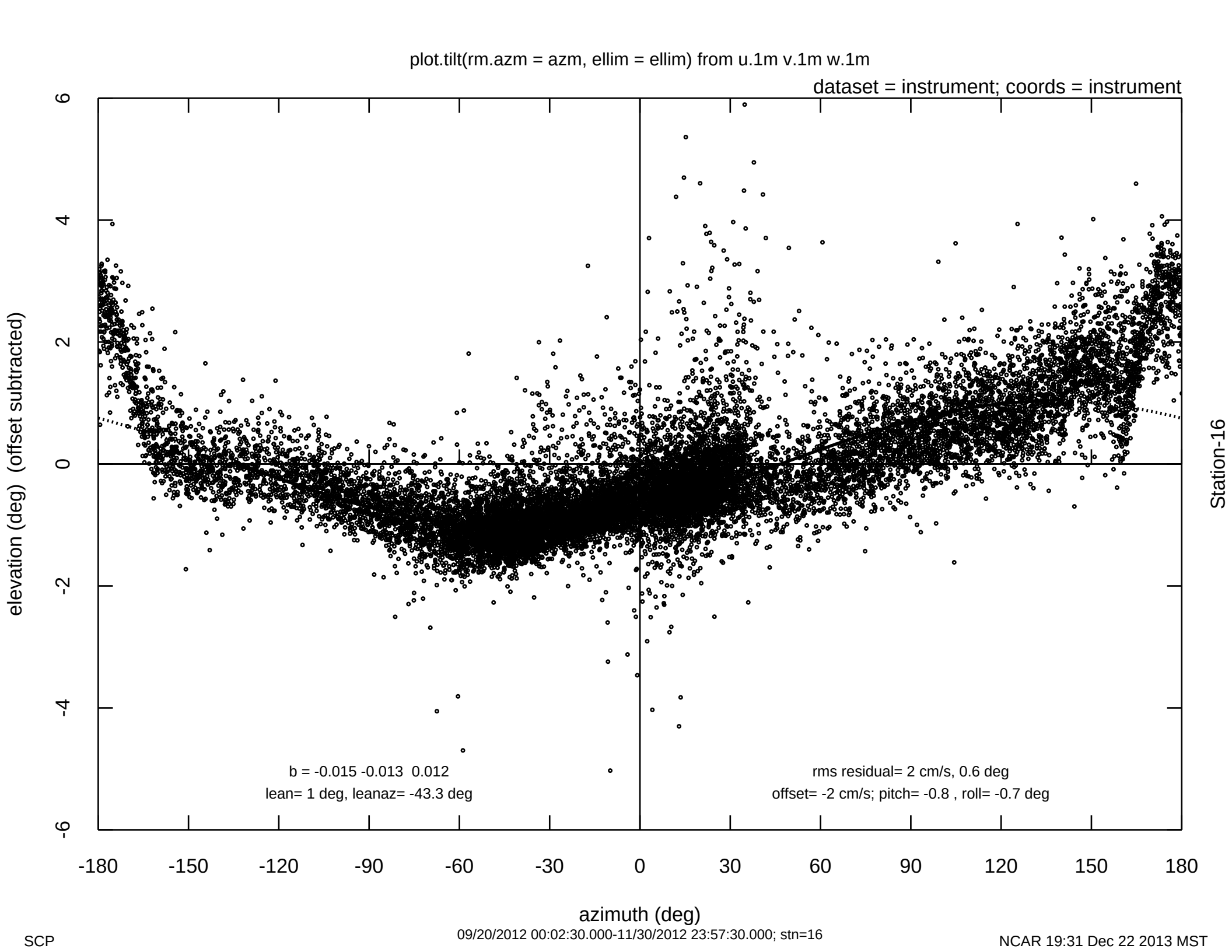

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-14
b = -0.018 -0.018 -0.053
lean= 3.2 deg, leanaz= 71.2 deg
rms residual= 2 cm/s, 0.5 deg
offset= -2 cm/s; pitch= -1.0 , roll= 3.1 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=14
NCAR 19:31 Dec 22 2013 MST

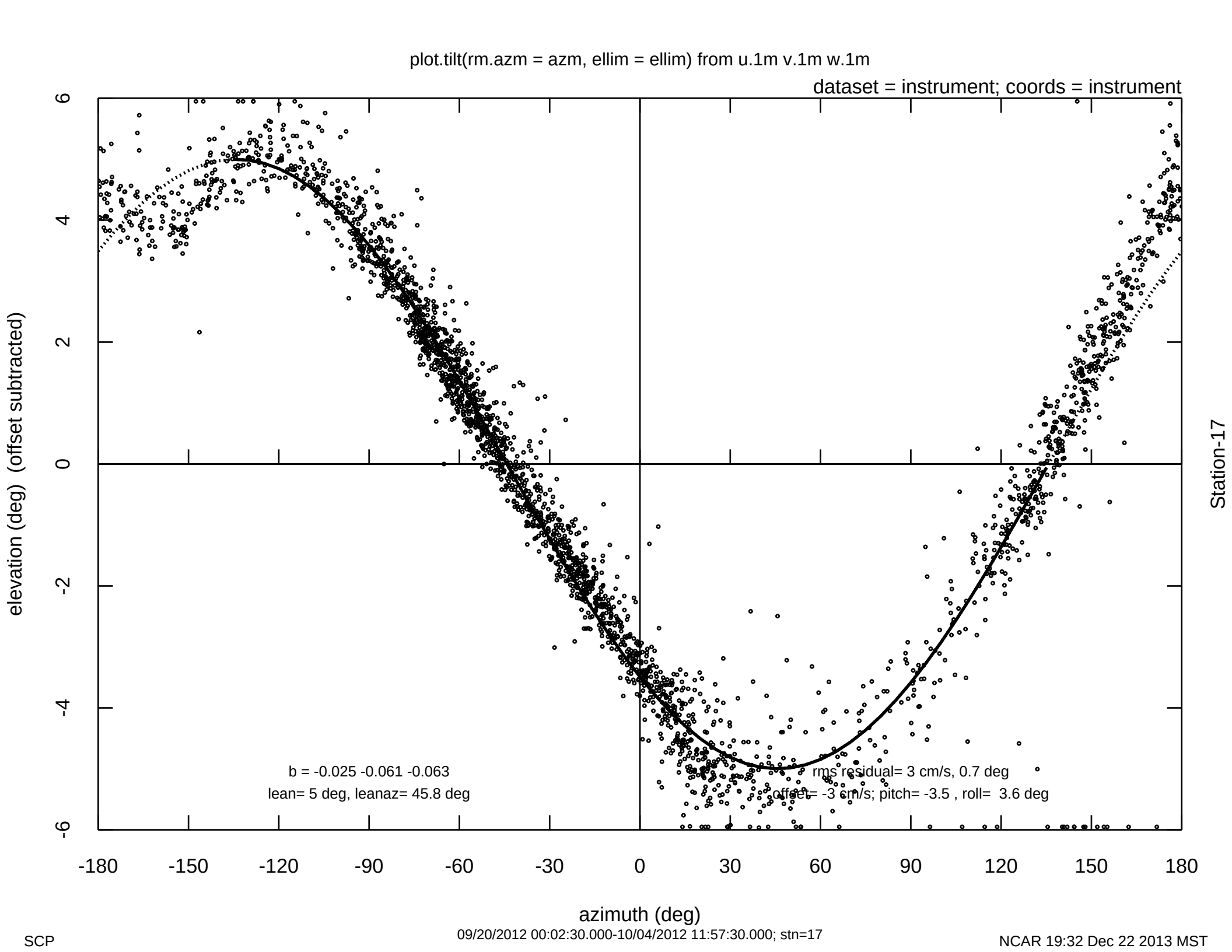


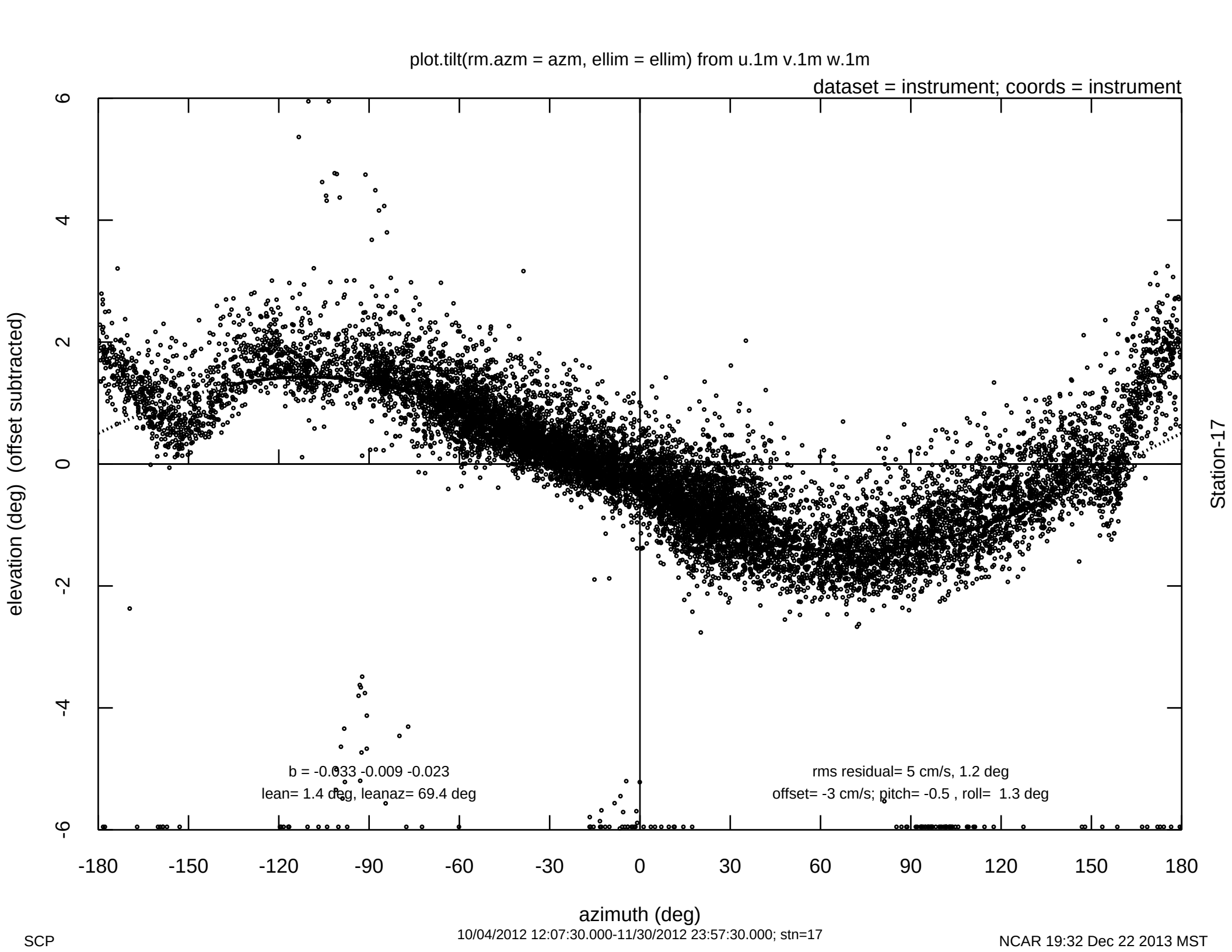
SCP

09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=15

NCAR 19:31 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-16
b = -0.015 -0.013 0.012
lean= 1 deg, leanaz= -43.3 deg
rms residual= 2 cm/s, 0.6 deg
offset= -2 cm/s; pitch= -0.8 , roll= -0.7 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=16
NCAR 19:31 Dec 22 2013 MST

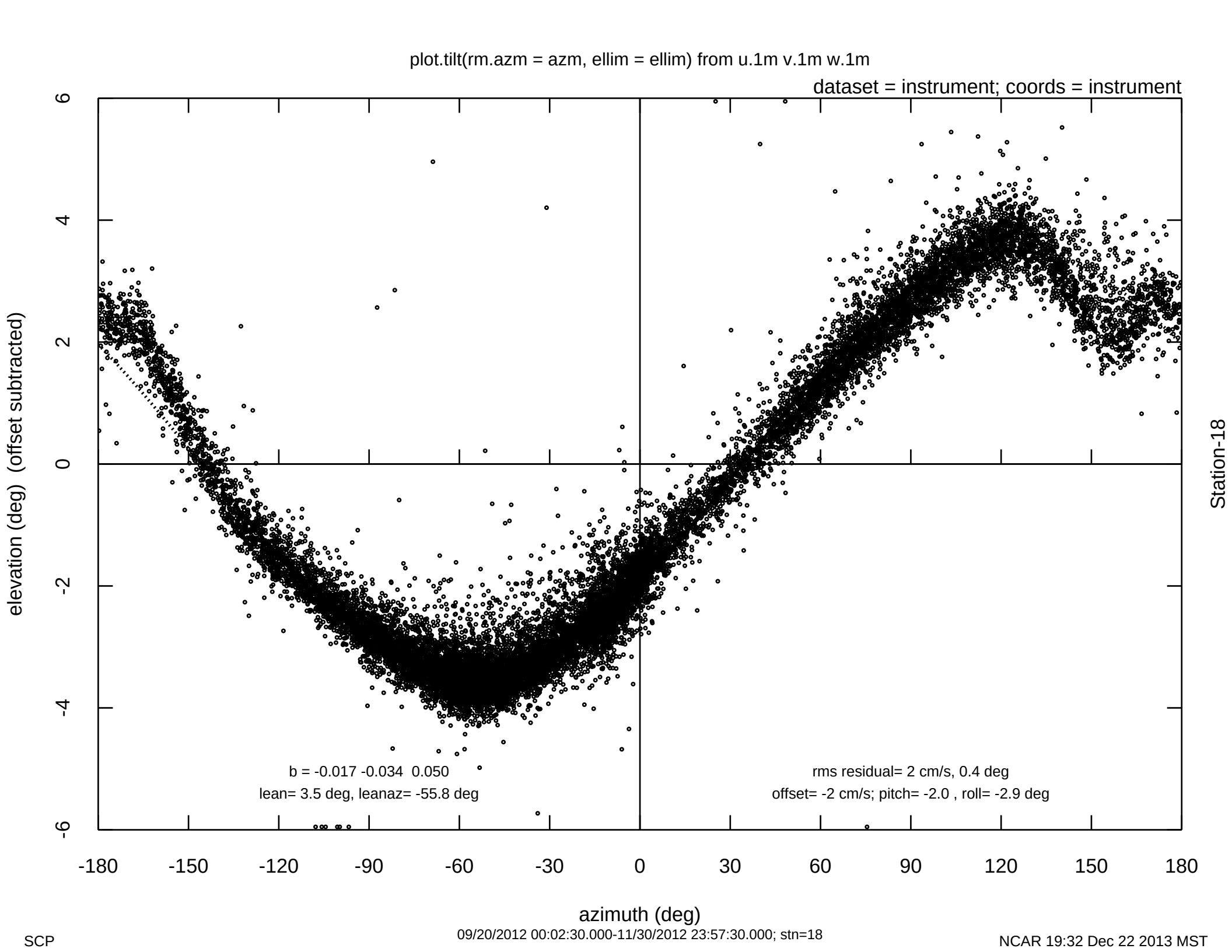

plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-17
b = -0.025 -0.061 -0.063
lean= 5 deg, leanaz= 45.8 deg
rms residual= 3 cm/s, 0.7 deg
offset= -3 cm/s; pitch= -3.5 , roll= 3.6 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-10/04/2012 11:57:30.000; stn=17
NCAR 19:32 Dec 22 2013 MST



SCP

10/04/2012 12:07:30.000-11/30/2012 23:57:30.000; stn=17

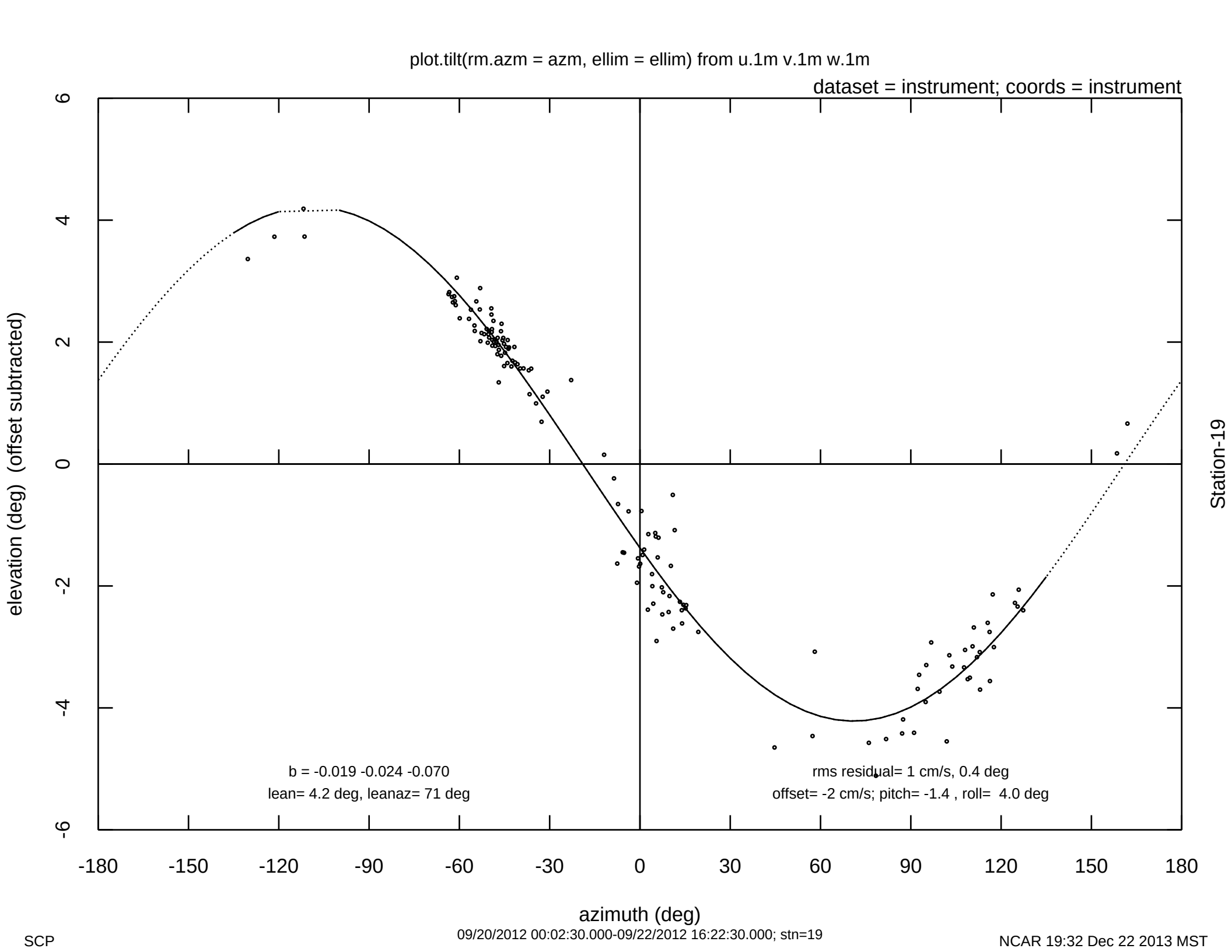
NCAR 19:32 Dec 22 2013 MST



SCP

09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=18

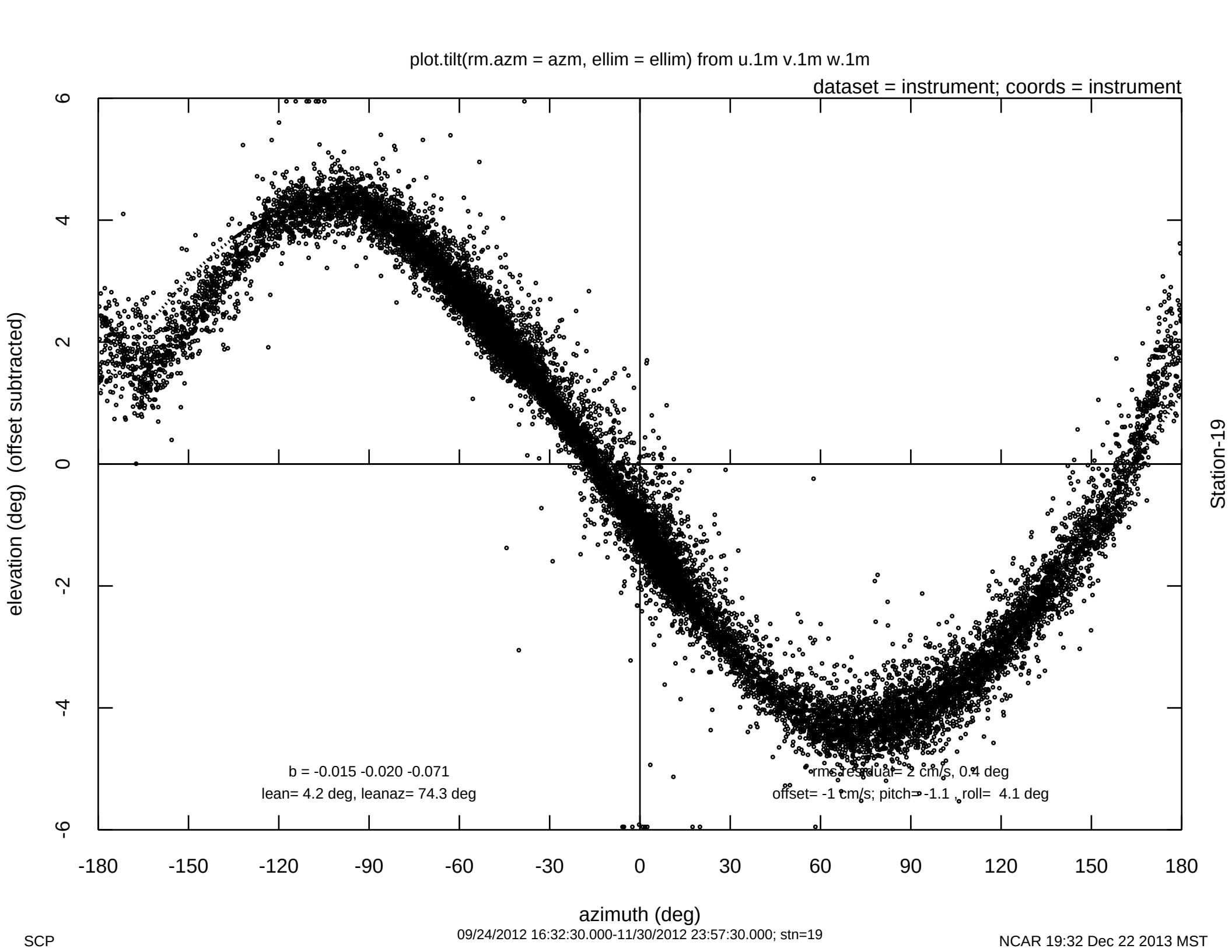
NCAR 19:32 Dec 22 2013 MST

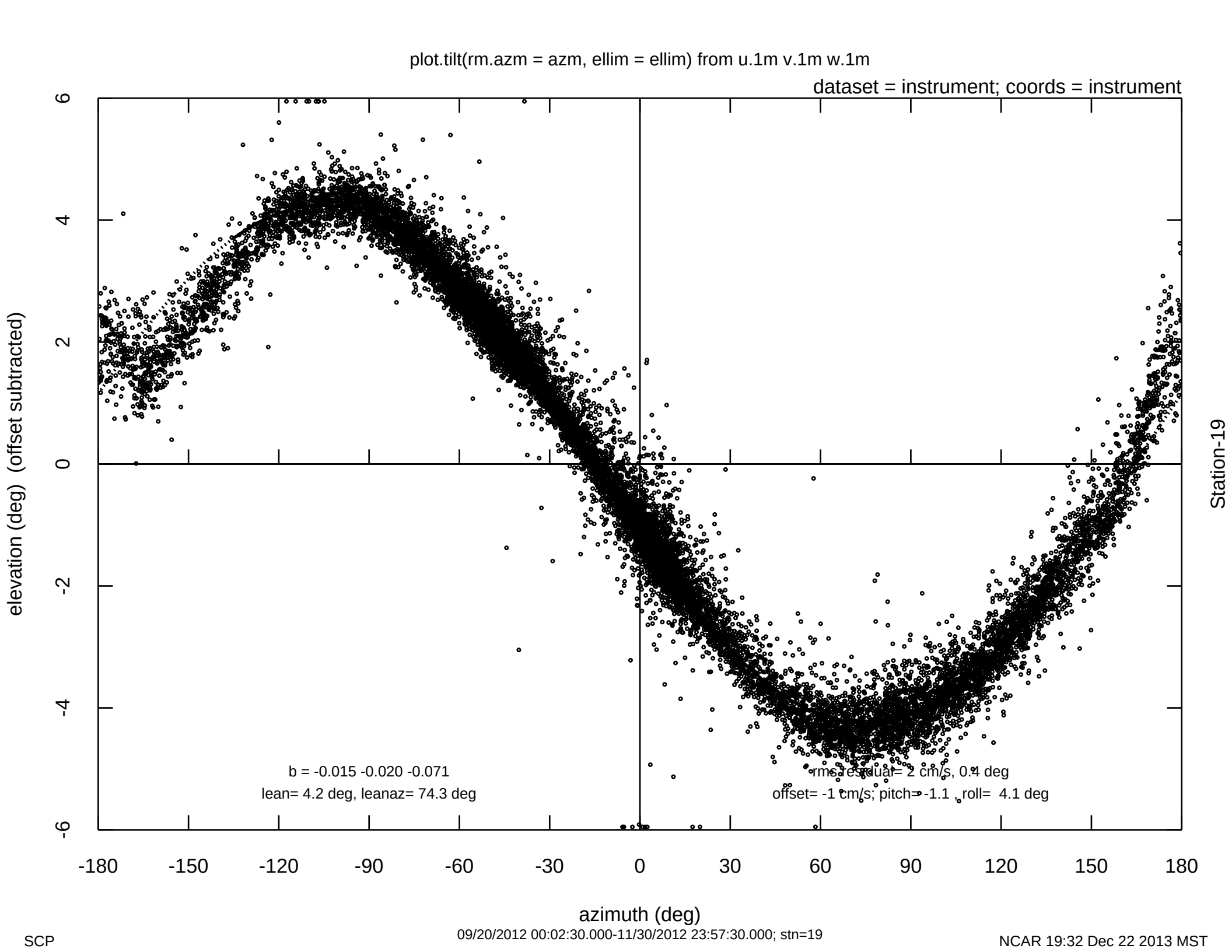


SCP

09/20/2012 00:02:30.000-09/22/2012 16:22:30.000; stn=19

NCAR 19:32 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-19
b = -0.015 -0.020 -0.071
lean= 4.2 deg, leanaz= 74.3 deg
rms residual= 2 cm/s, 0.4 deg
offset= -1 cm/s; pitch= -1.1 , roll= 4.1 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/24/2012 16:32:30.000-11/30/2012 23:57:30.000; stn=19
NCAR 19:32 Dec 22 2013 MST


plot.tilt(rm.azm = azm, ellim = ellim) from u.1m v.1m w.1m
dataset = instrument; coords = instrument
elevation (deg) (offset subtracted)
azimuth (deg)
Station-19
b = -0.015 -0.020 -0.071
lean= 4.2 deg, leanaz= 74.3 deg
rms residual= 2 cm/s, 0.4 deg
offset= -1 cm/s; pitch= -1.1 , roll= 4.1 deg
6
4
2
0
-2
-4
-6
-180
-150
-120
-90
-60
-30
0
30
60
90
120
150
180
SCP
09/20/2012 00:02:30.000-11/30/2012 23:57:30.000; stn=19
NCAR 19:32 Dec 22 2013 MST