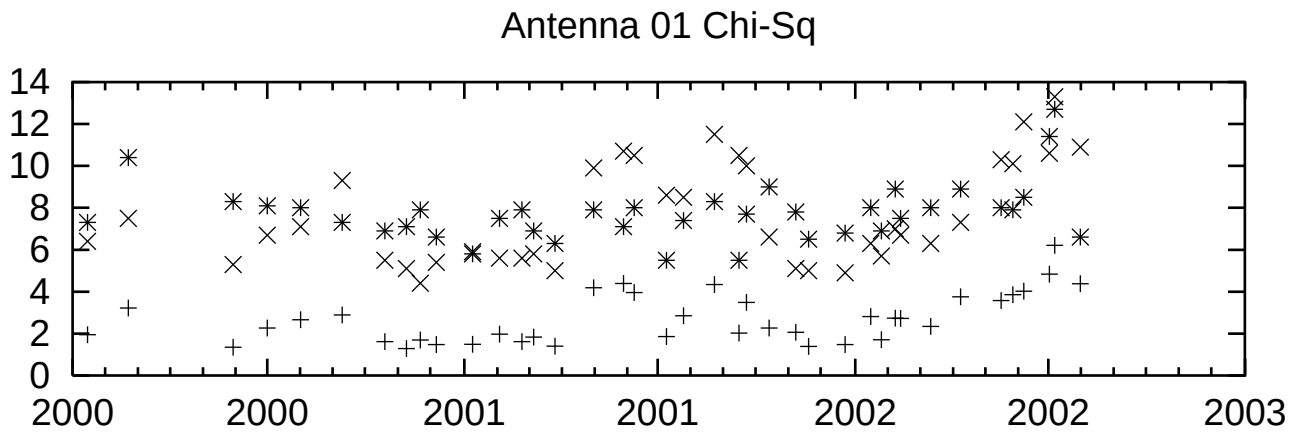
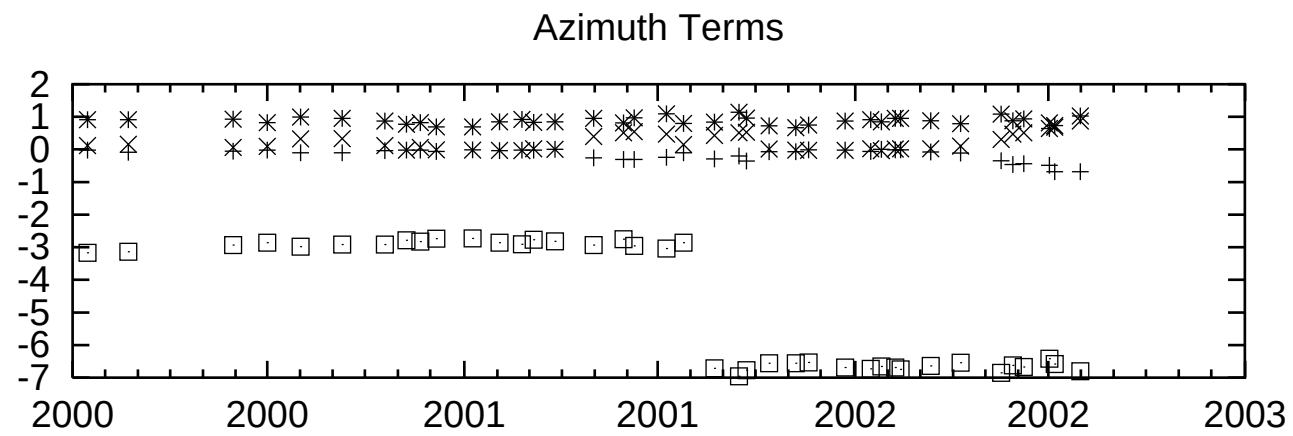
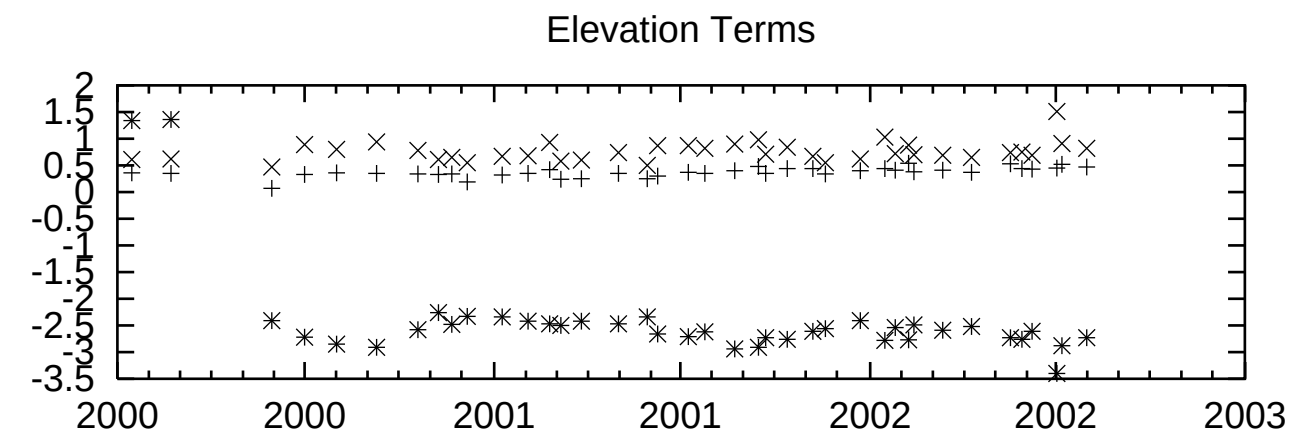
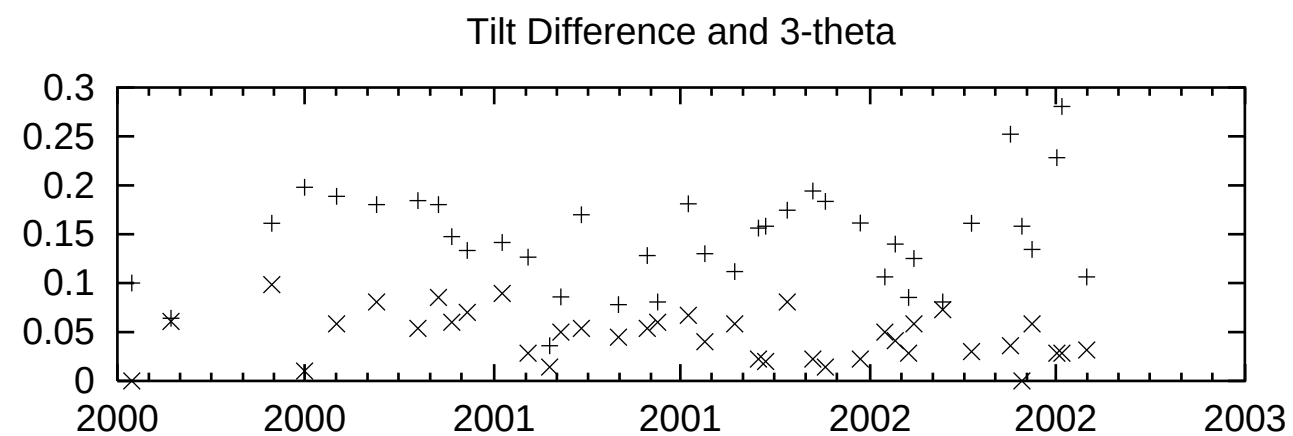
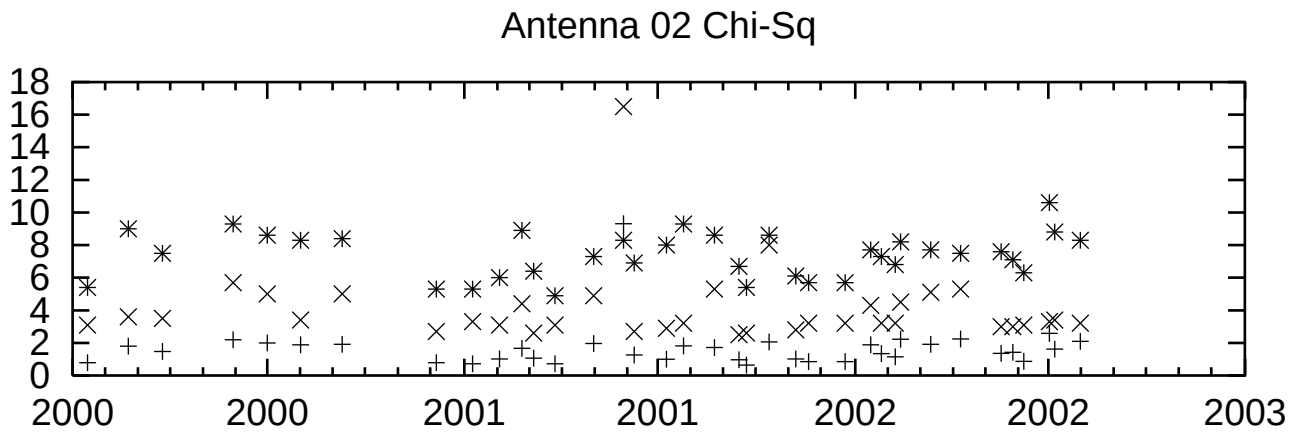
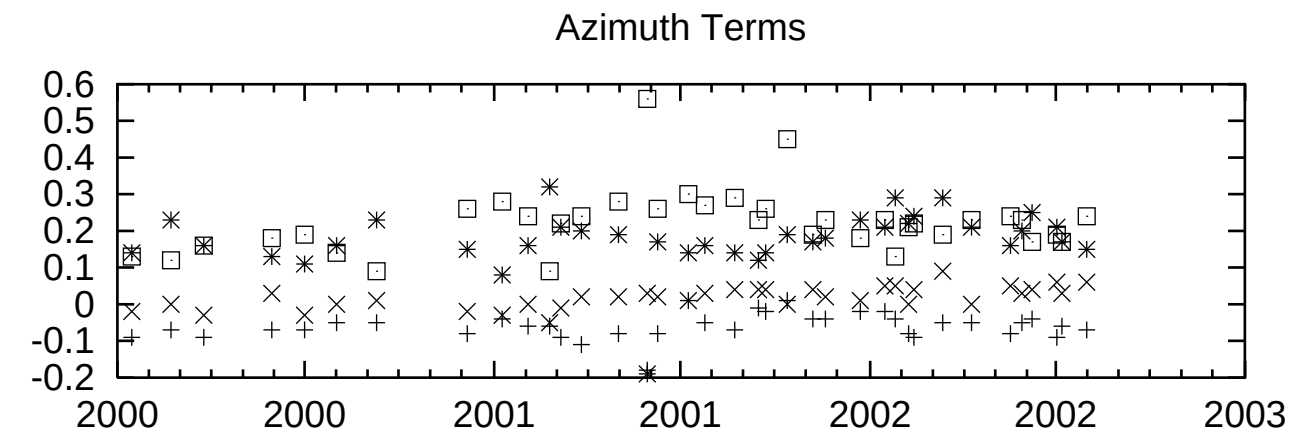

Antenna 01 Chi-Sq
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

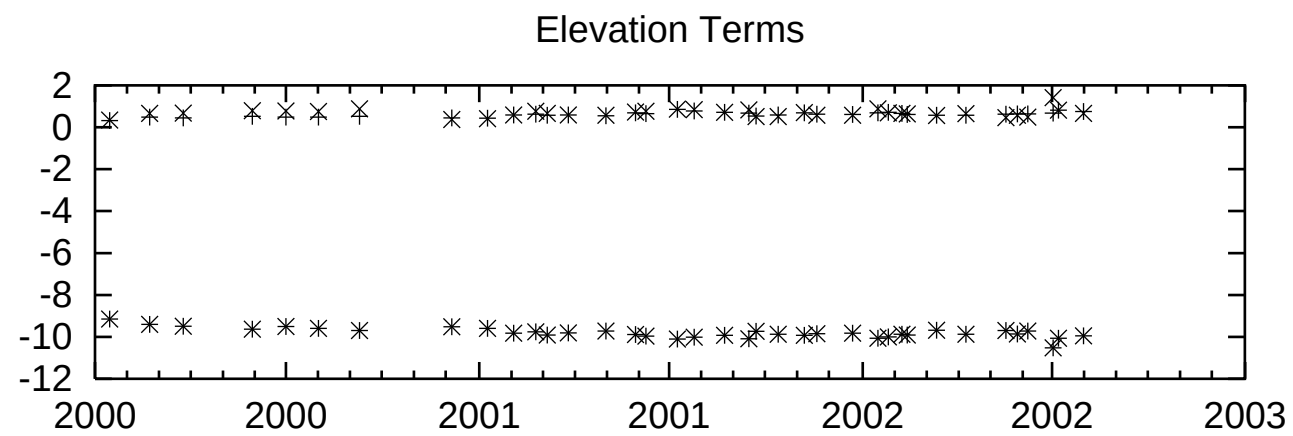

Azimuth Terms
2
1
0
-1
-2
-3
-4
-5
-6
-7
2000
2000
2001
2001
2002
2002
2003

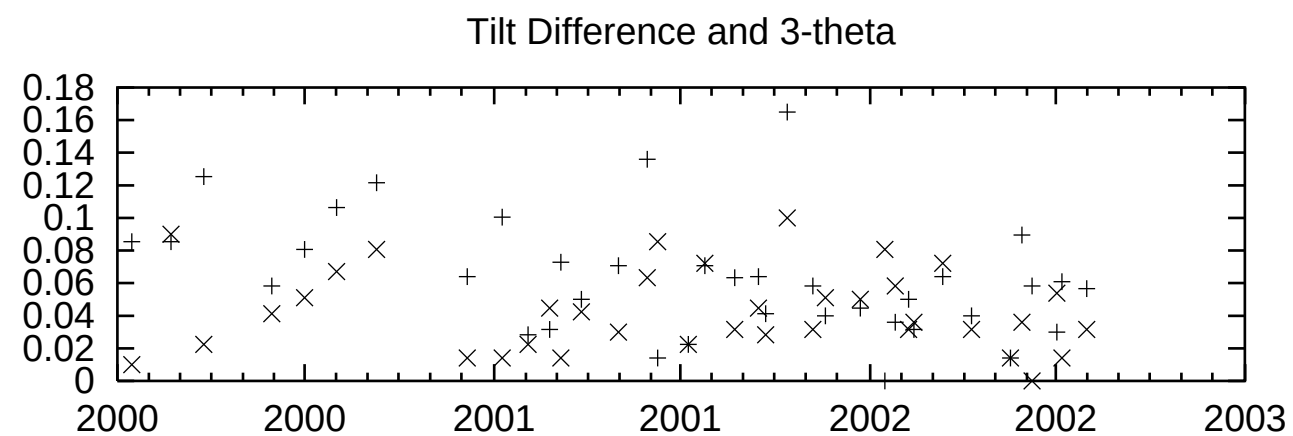

Elevation Terms
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
2000
2000
2001
2001
2002
2002
2003

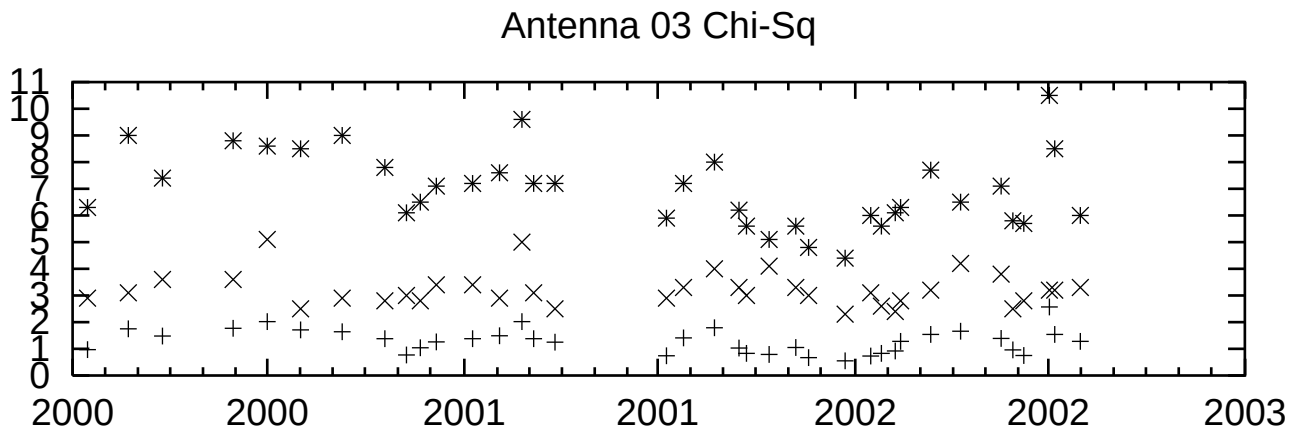

Tilt Difference and 3-theta
0.3
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

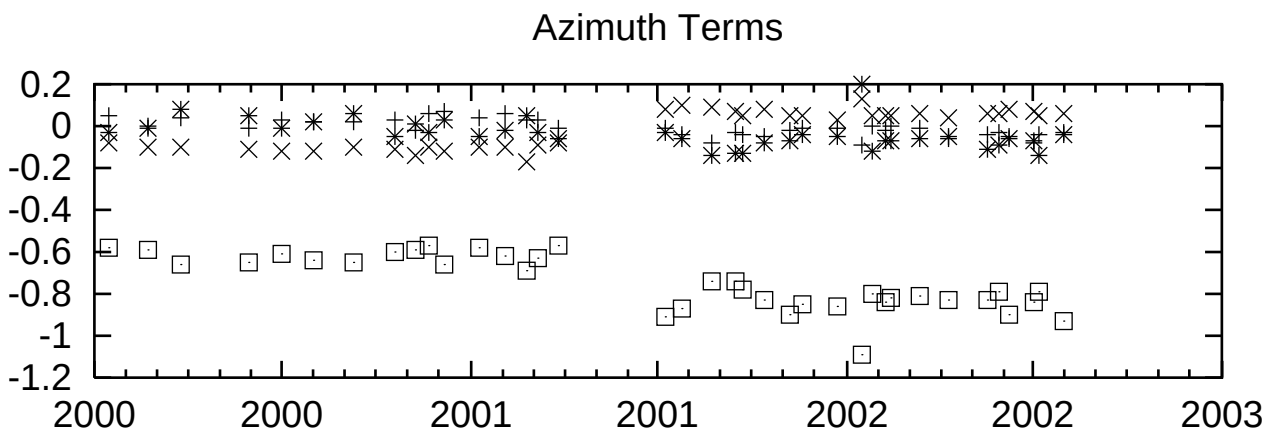

Antenna 02 Chi-Sq
18
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

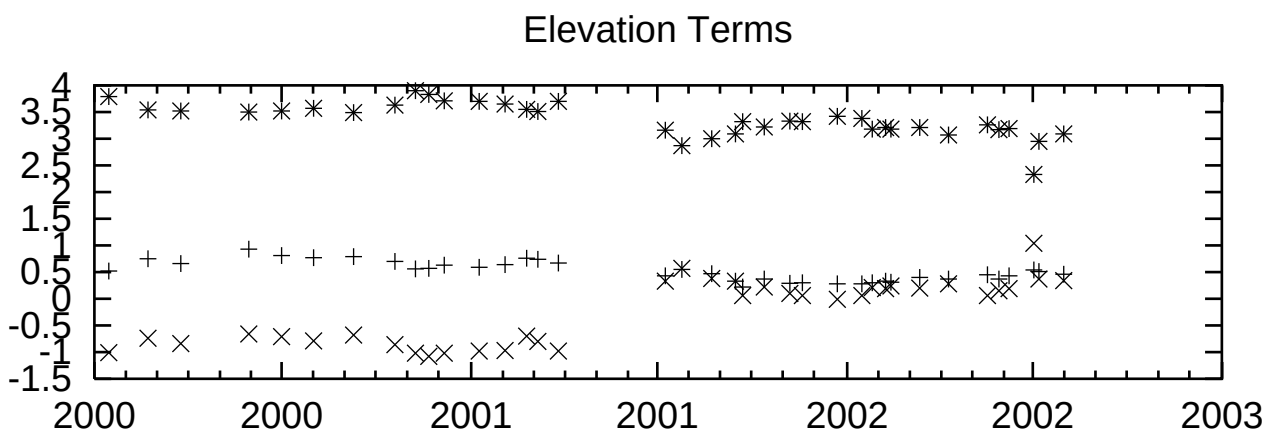

Azimuth Terms
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
2000
2000
2001
2001
2002
2002
2003

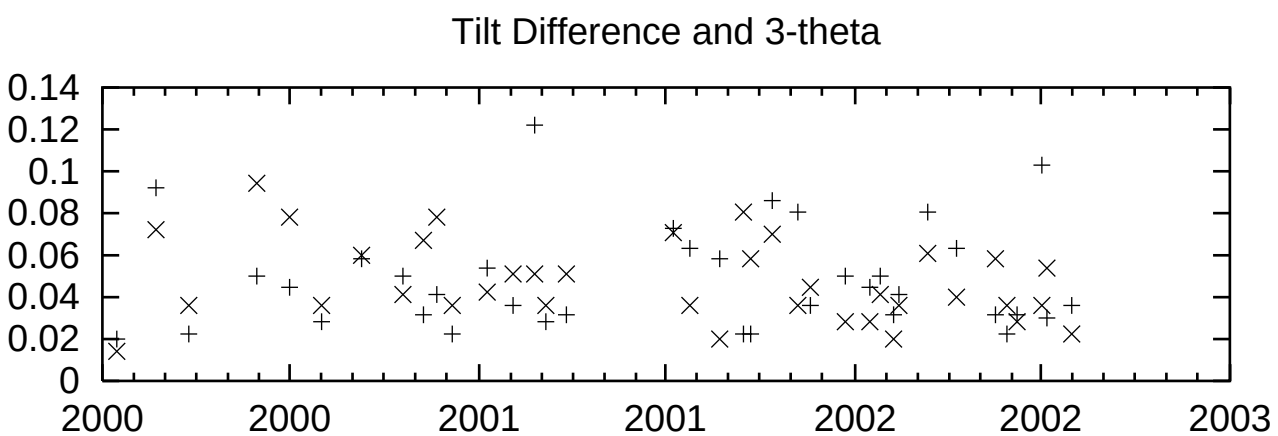

Elevation Terms
2
0
-2
-4
-6
-8
-10
-12
2000
2000
2001
2001
2002
2002
2003

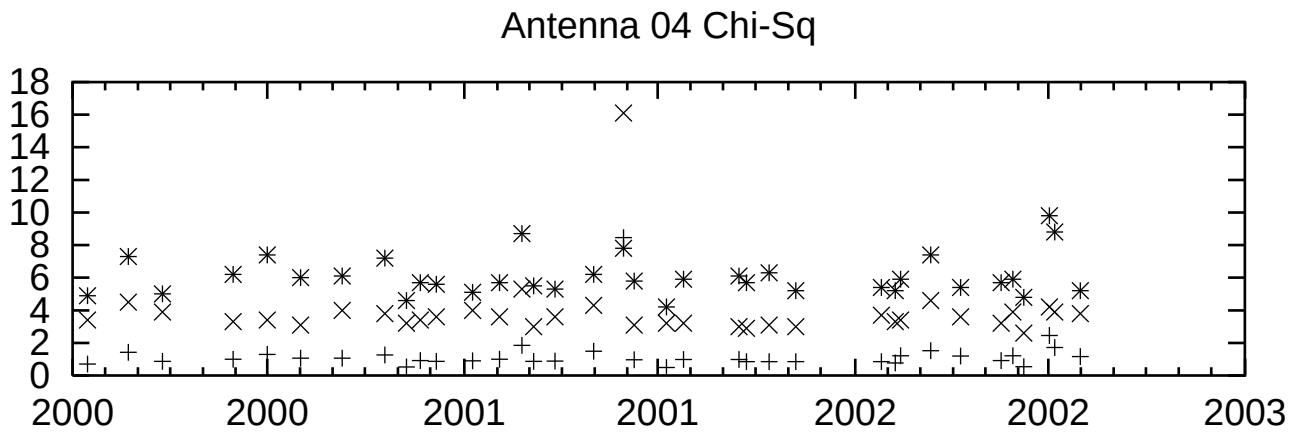

Tilt Difference and 3-theta
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

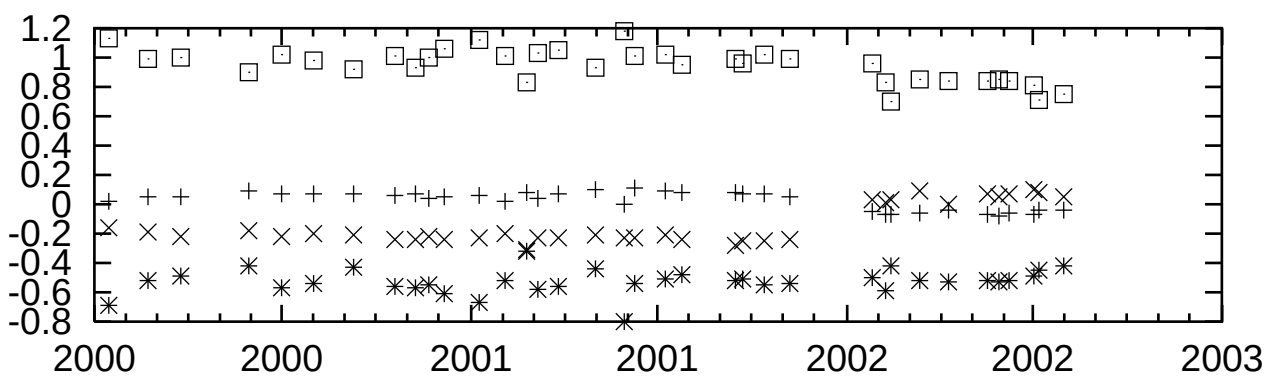

Antenna 03 Chi-Sq
11
10
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

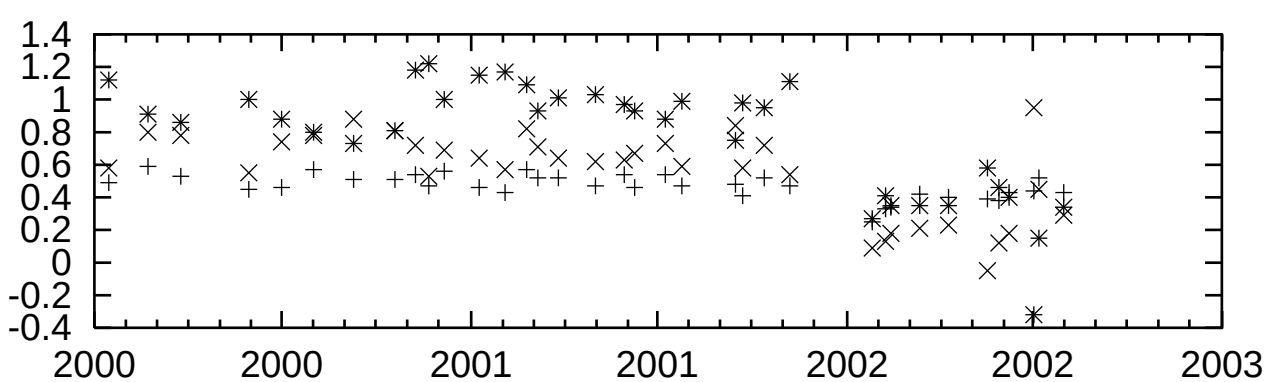

Azimuth Terms
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
2000
2000
2001
2001
2002
2002
2003

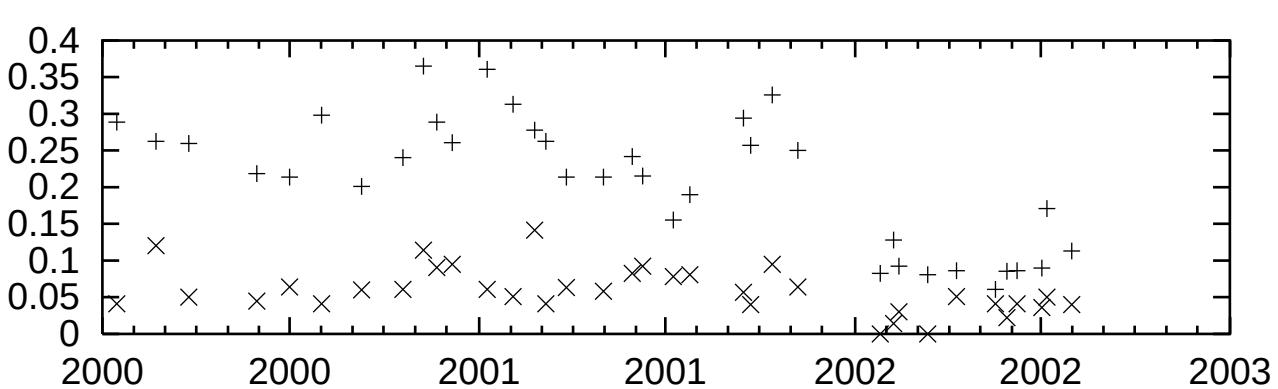

Elevation Terms
4
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

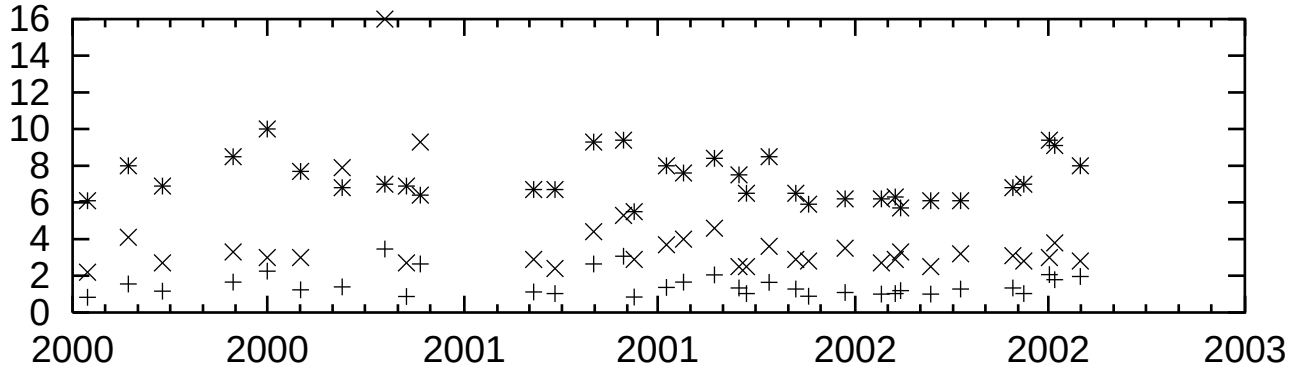

Antenna 04 Chi-Sq
18
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003


Azimuth Terms
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
2000
2000
2001
2001
2002
2002
2003

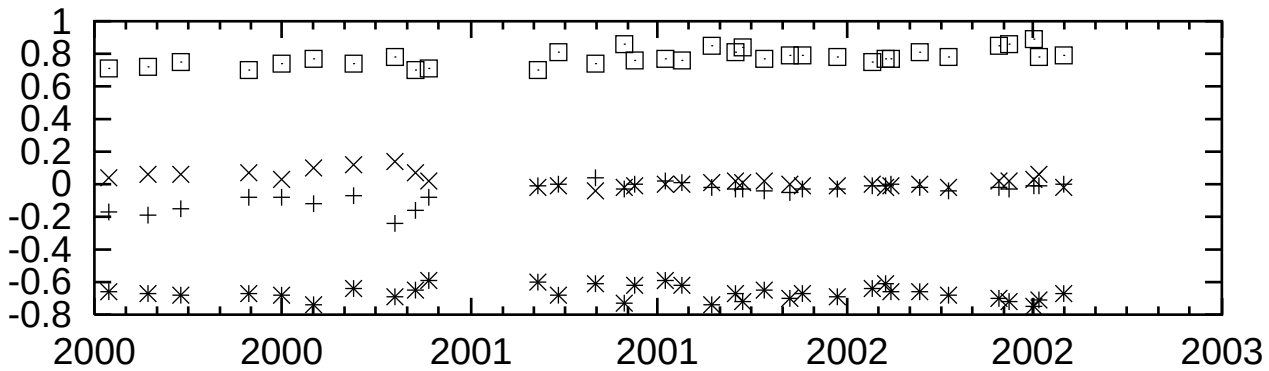

Elevation Terms
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

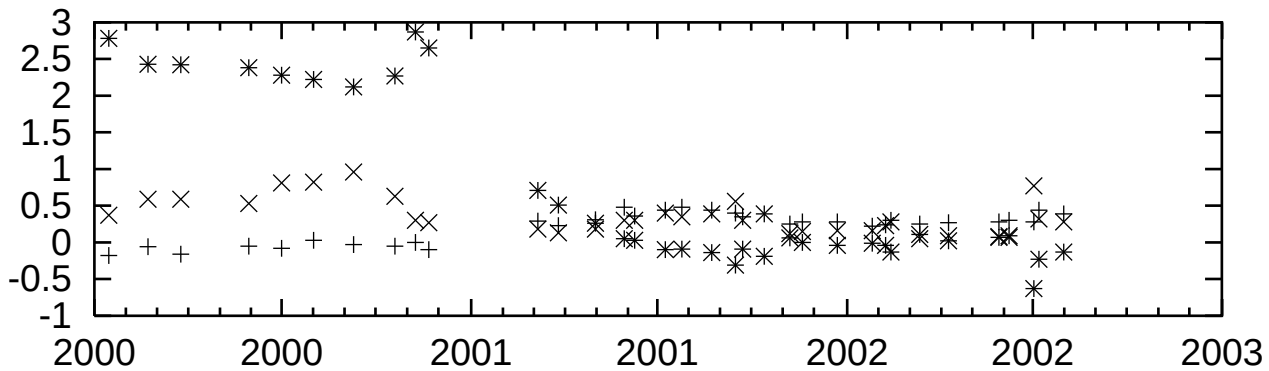
Antenna 05 Chi-Sq



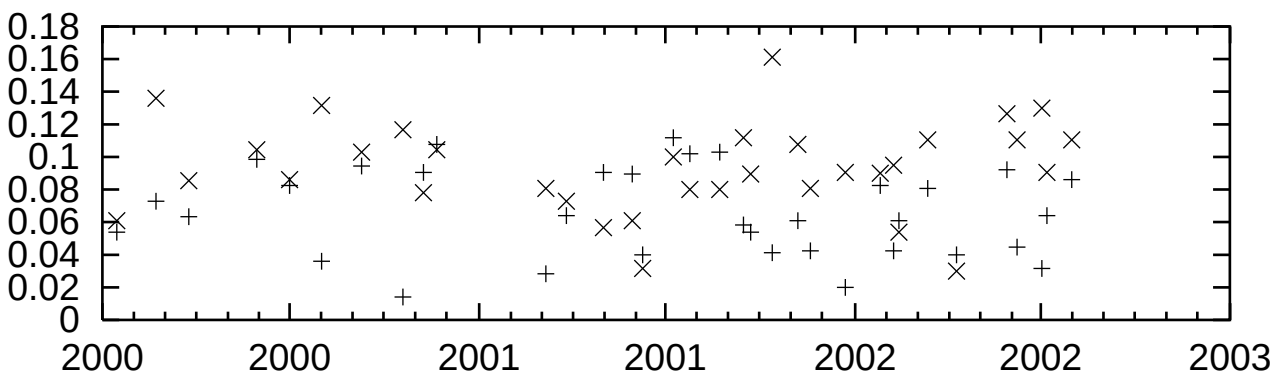
Azimuth Terms

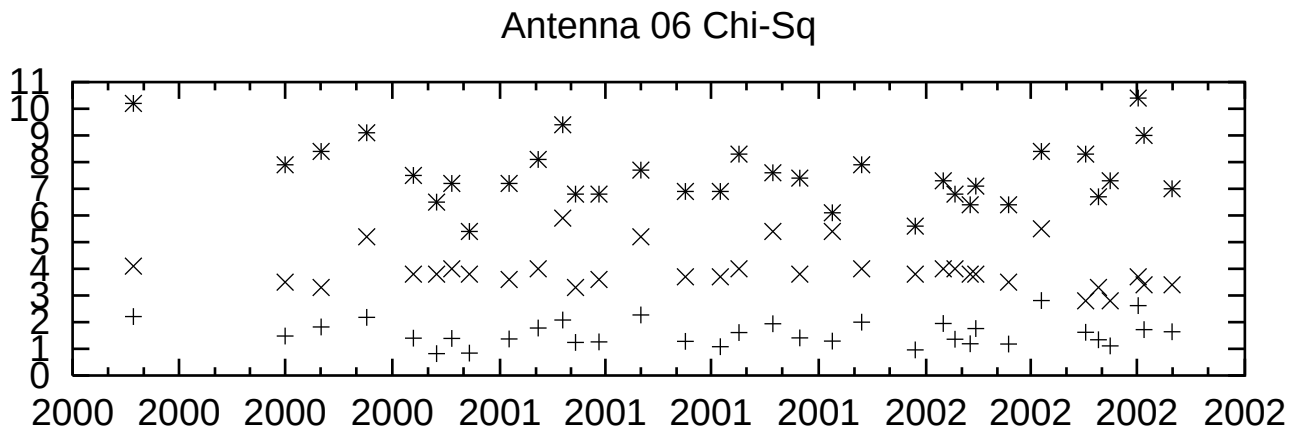


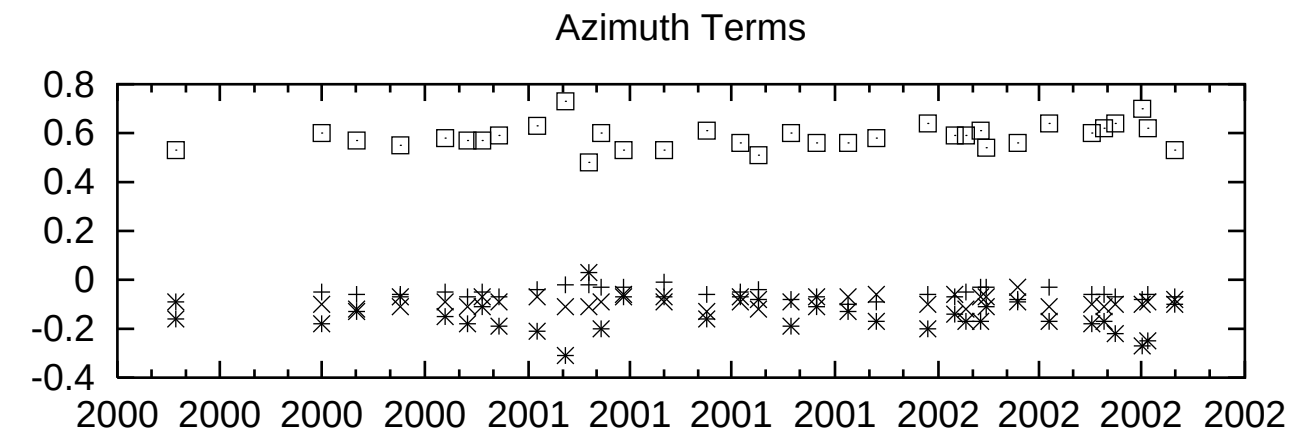
Elevation Terms

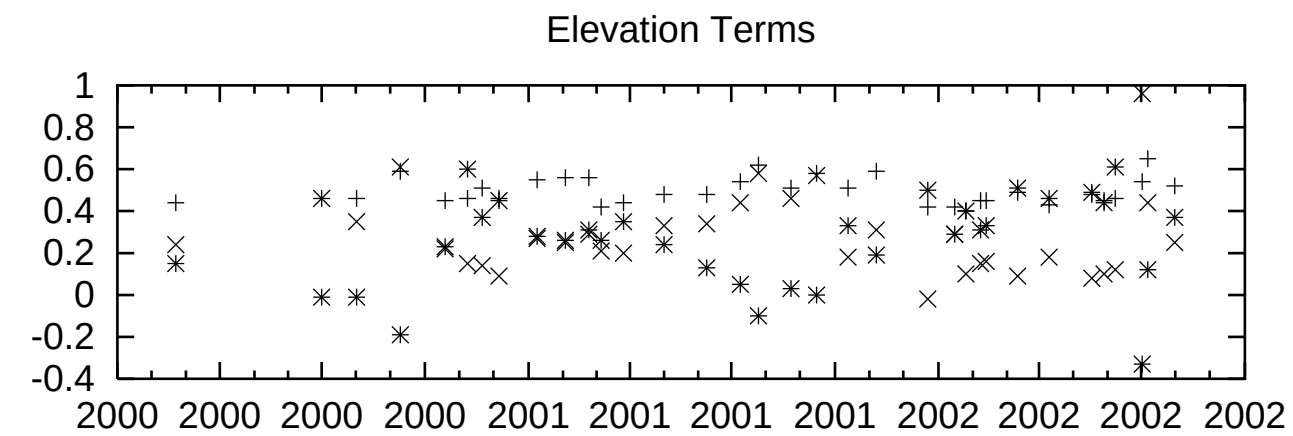


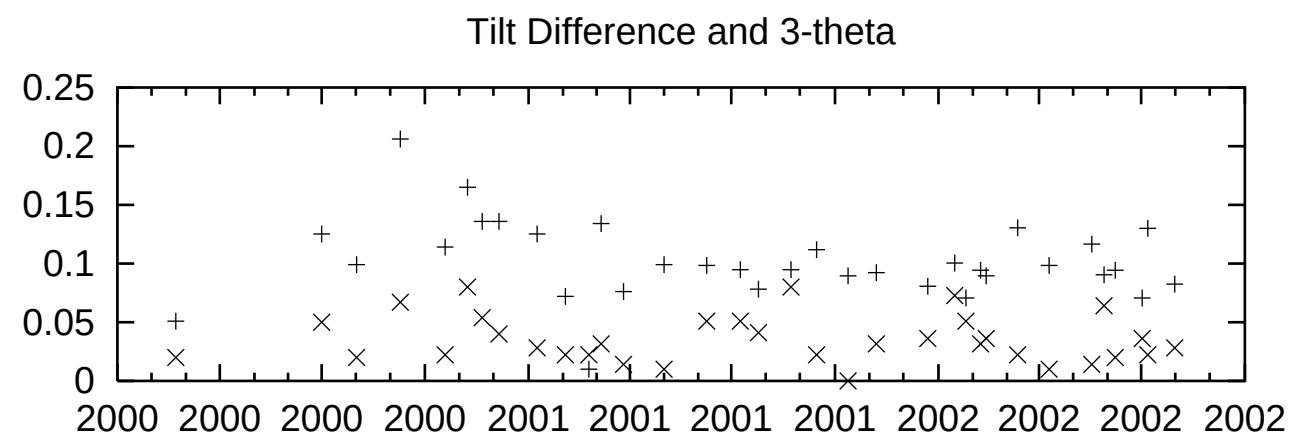
Tilt Difference and 3-theta

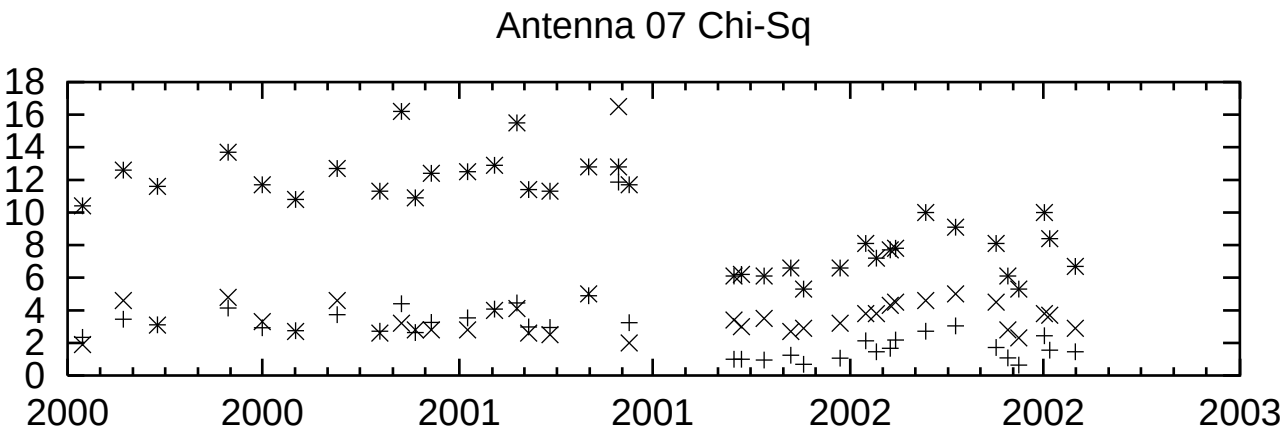


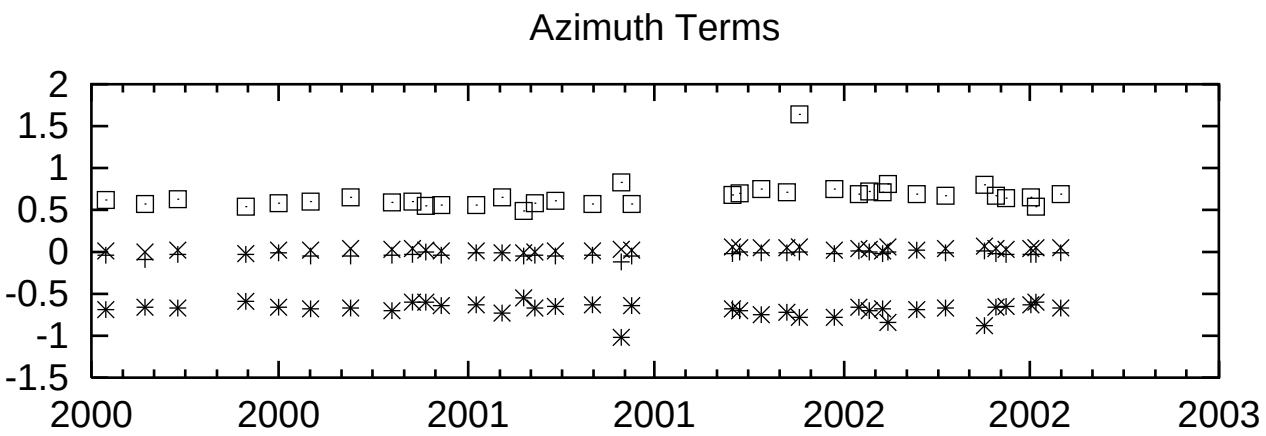

Antenna 06 Chi-Sq
11
10
9
8
7
6
5
4
3
2
1
0
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

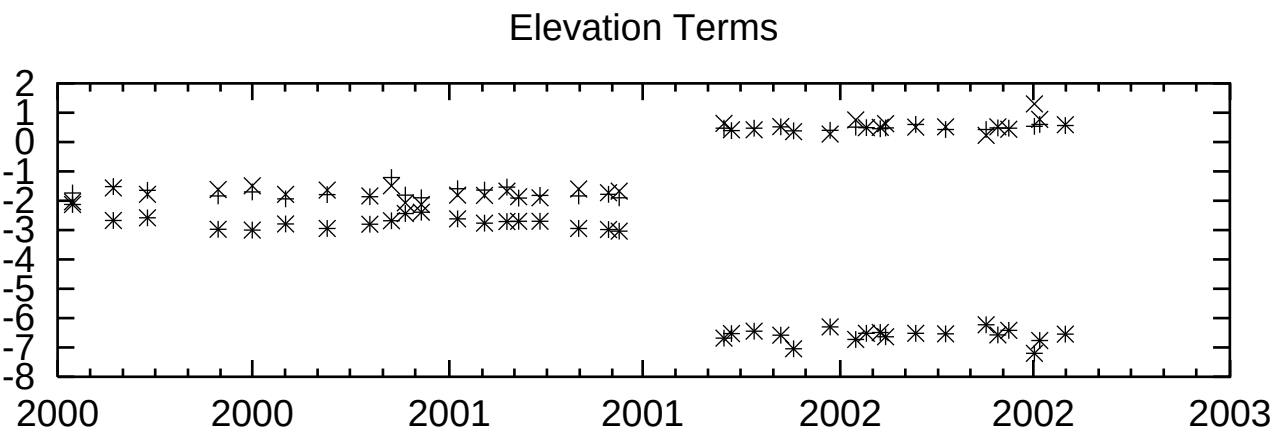

Azimuth Terms
0.8
0.6
0.4
0.2
0
-0.2
-0.4
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

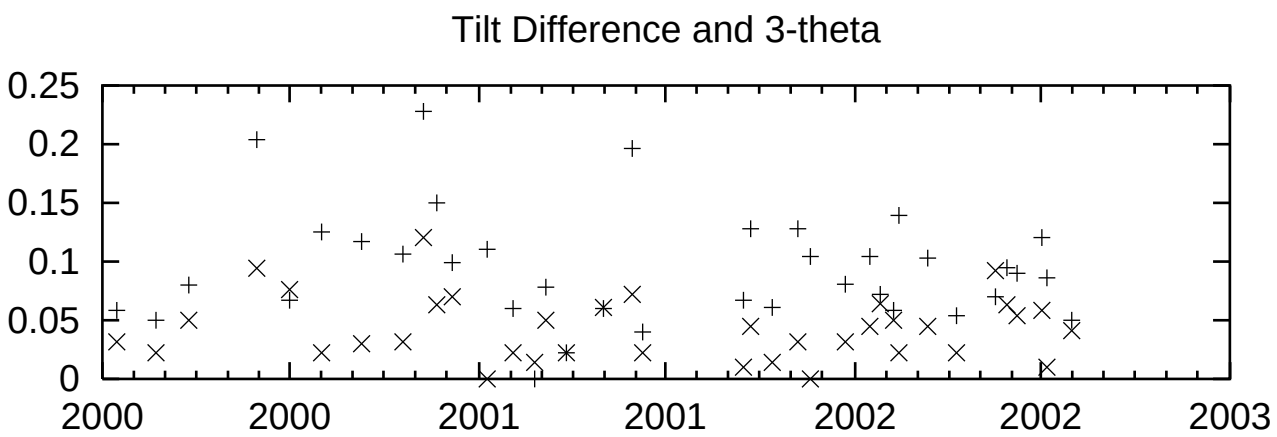

Elevation Terms
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

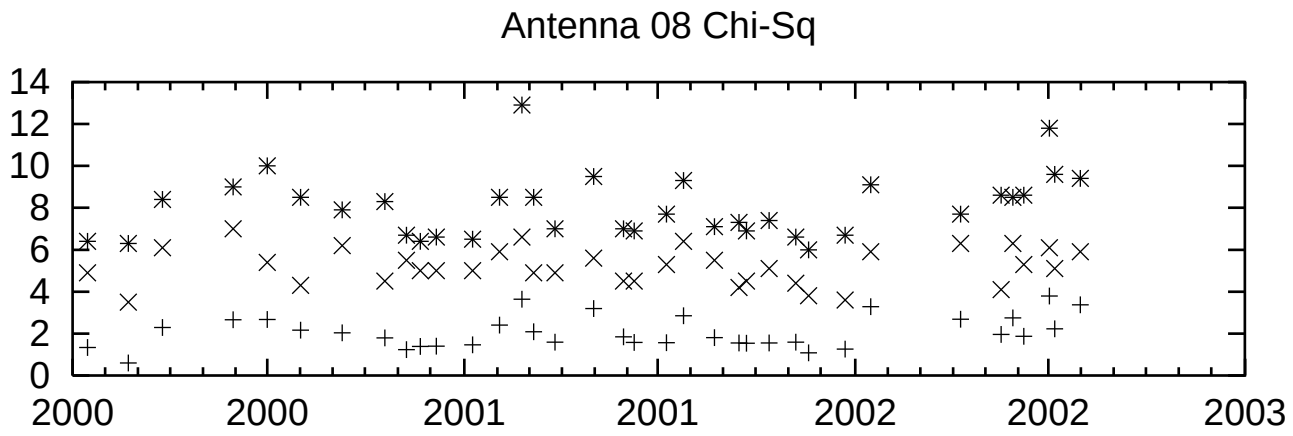

Tilt Difference and 3-theta
0.25
0.2
0.15
0.1
0.05
0
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

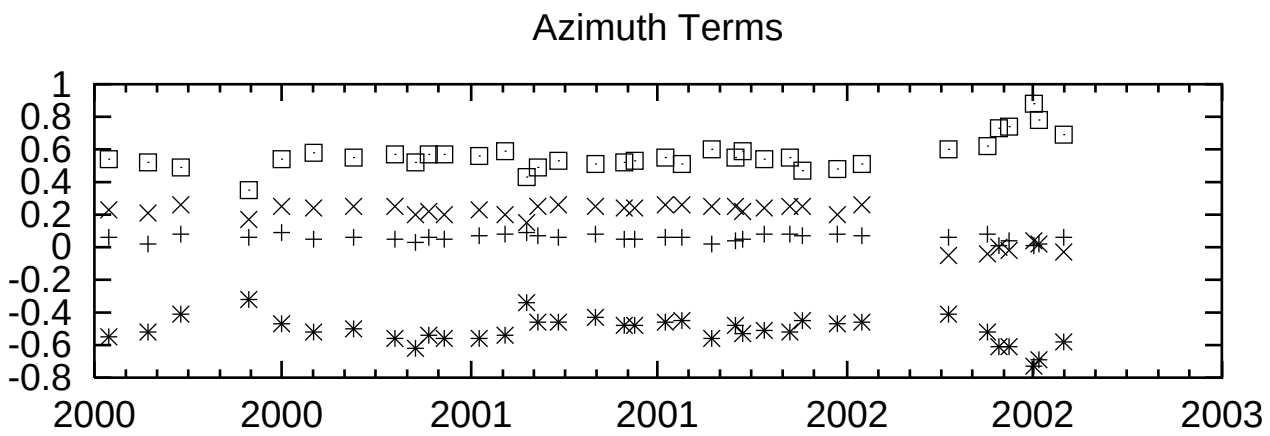

Antenna 07 Chi-Sq
18
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

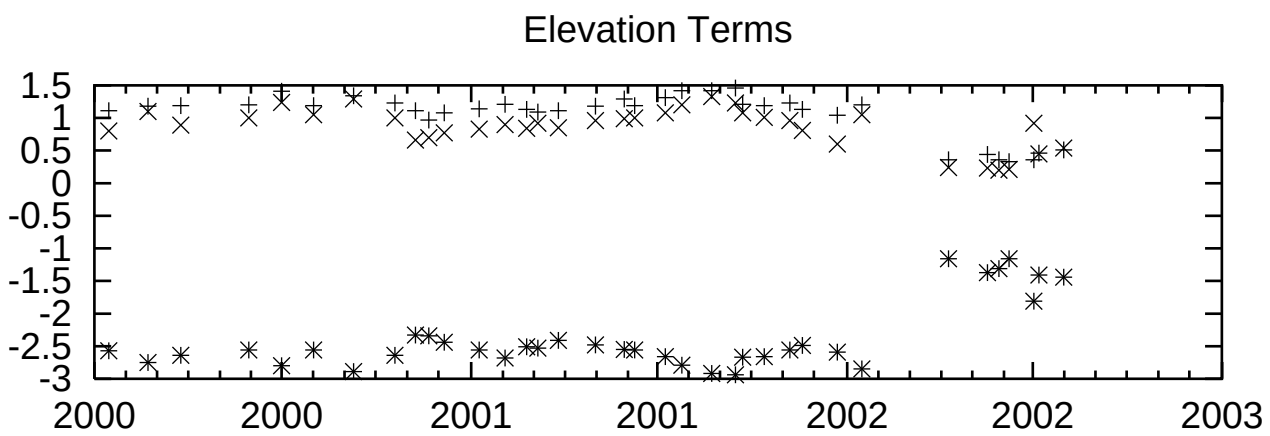

Azimuth Terms
2
1.5
1
0.5
0
-0.5
-1
-1.5
2000
2000
2001
2001
2002
2002
2003

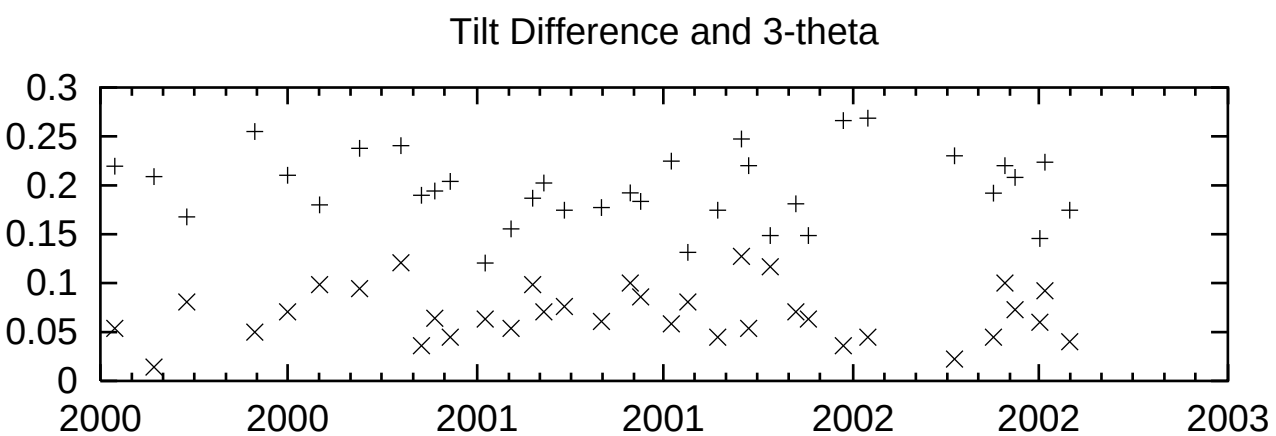

Elevation Terms
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
2000
2000
2001
2001
2002
2002
2003

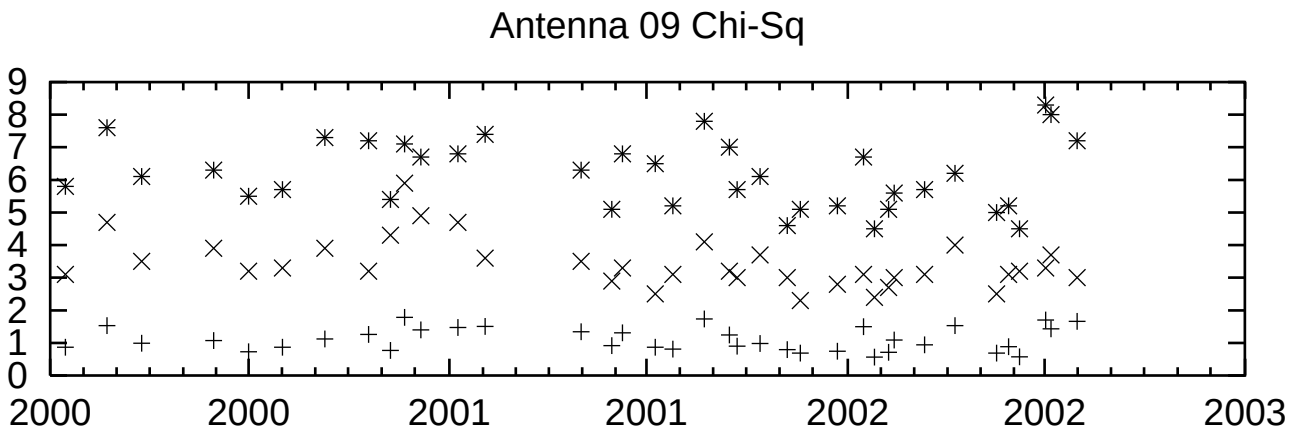

Tilt Difference and 3-theta
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

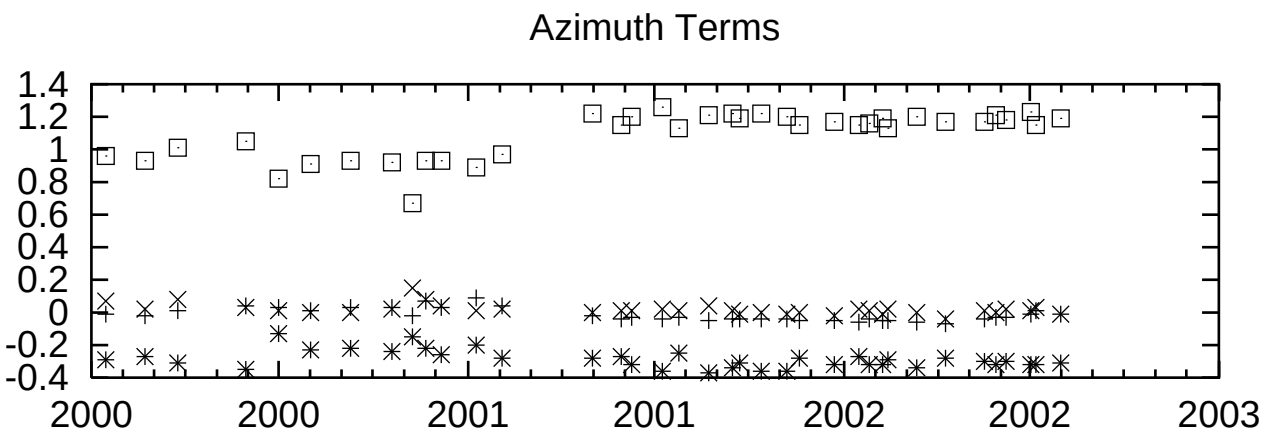

Antenna 08 Chi-Sq
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

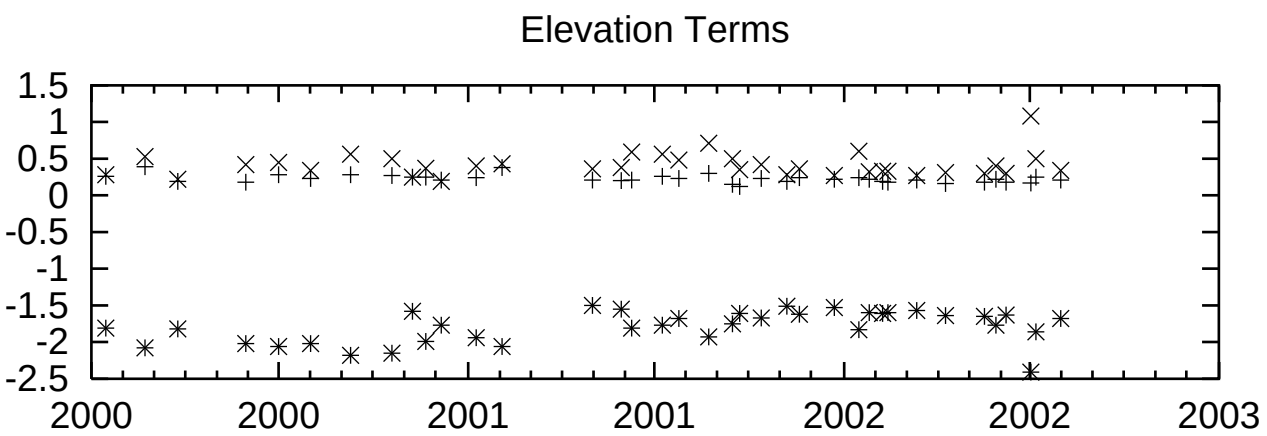

Azimuth Terms
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
2000
2000
2001
2001
2002
2002
2003

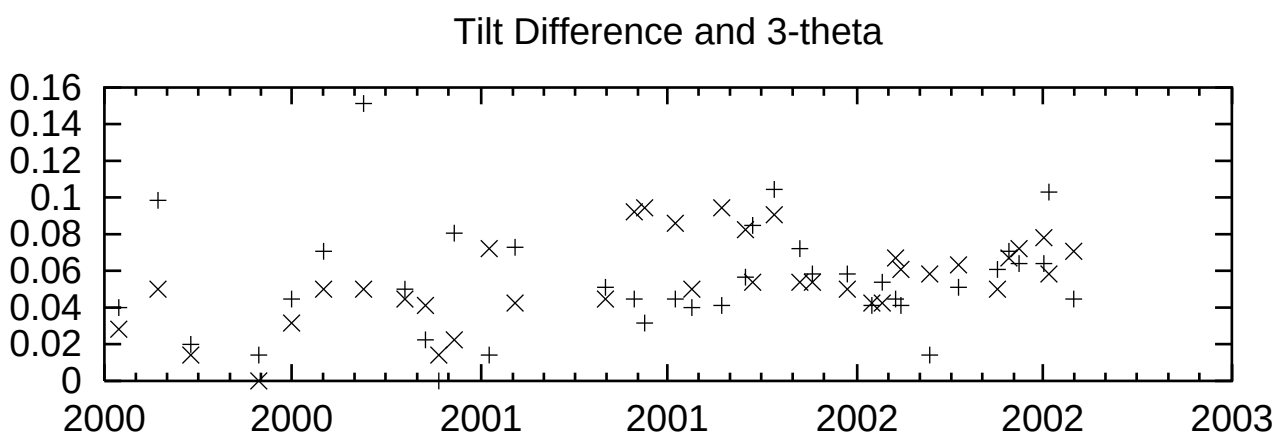

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
2000
2000
2001
2001
2002
2002
2003

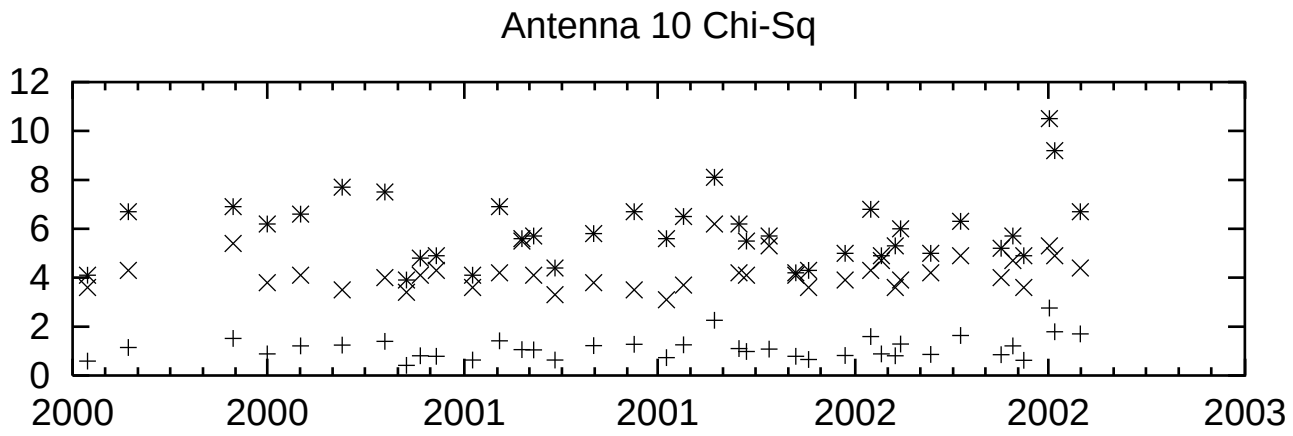

Tilt Difference and 3-theta
0.3
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

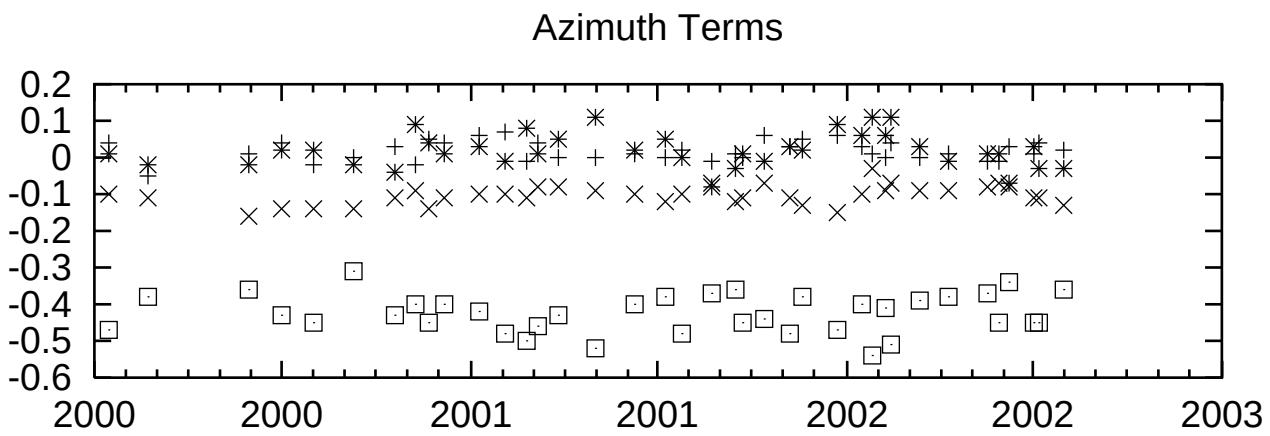

Antenna 09 Chi-Sq
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

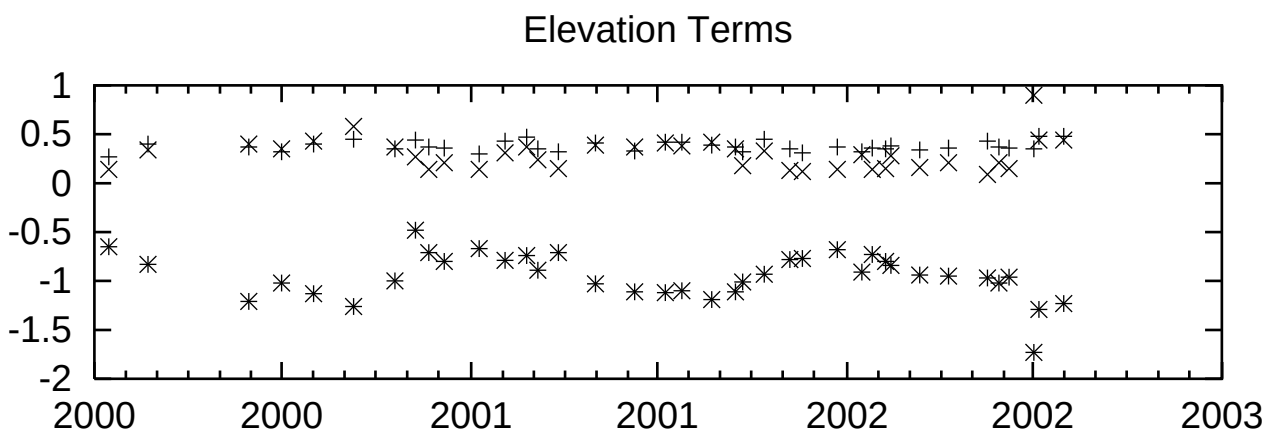

Azimuth Terms
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
2000
2000
2001
2001
2002
2002
2003

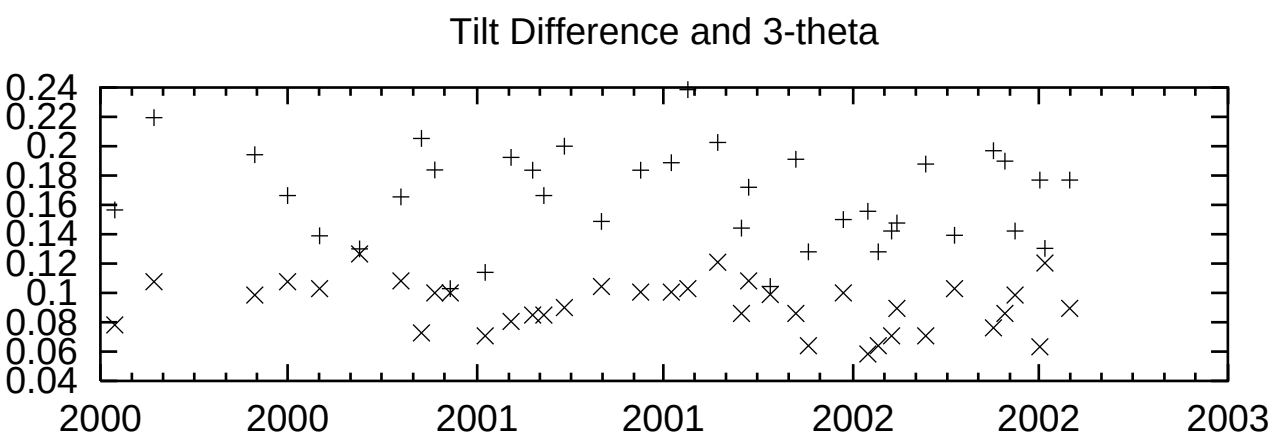

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
2000
2000
2001
2001
2002
2002
2003

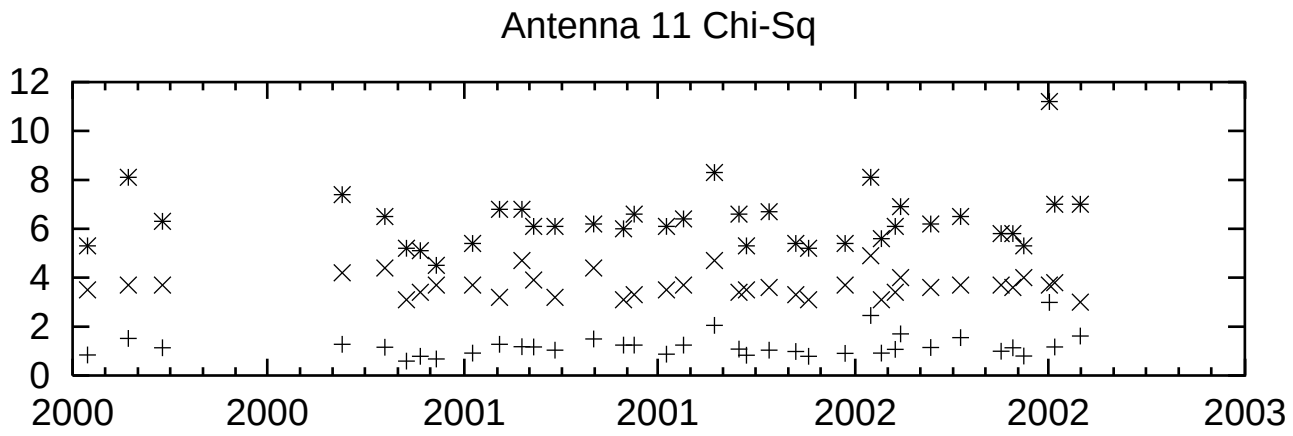

Tilt Difference and 3-theta
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

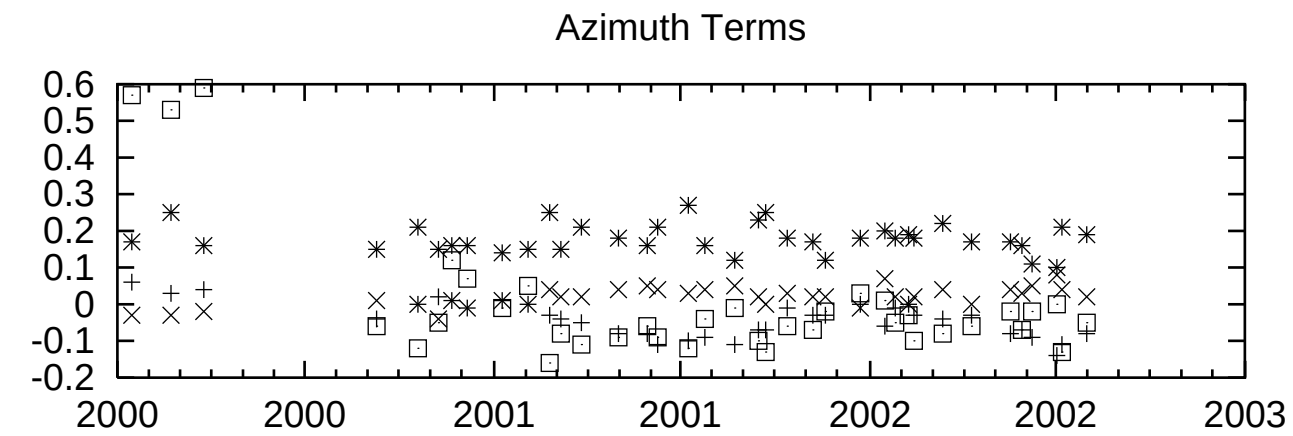

Antenna 10 Chi-Sq
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

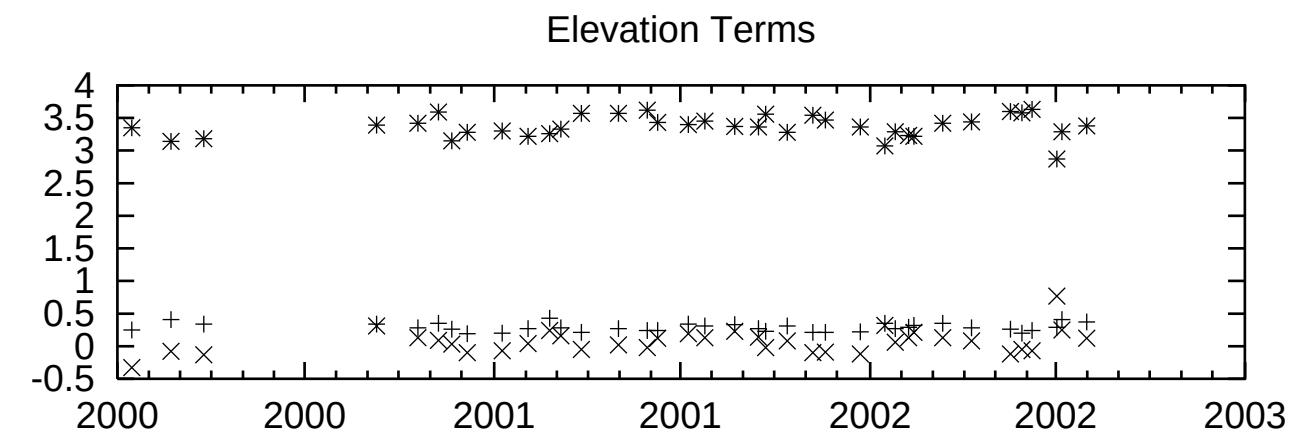

Azimuth Terms
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
2000
2000
2001
2001
2002
2002
2003

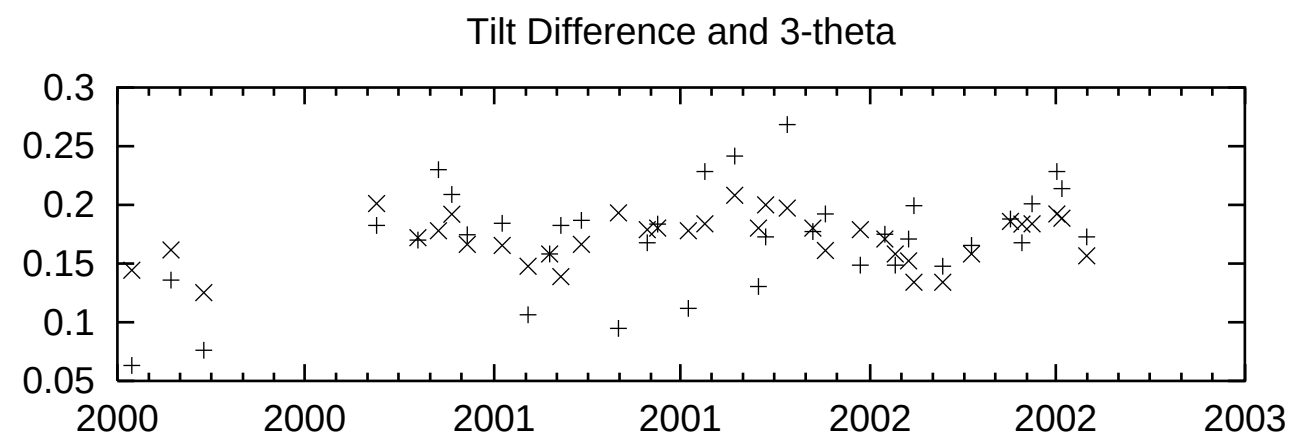

Elevation Terms
1
0.5
0
-0.5
-1
-1.5
-2
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
2000
2000
2001
2001
2002
2002
2003

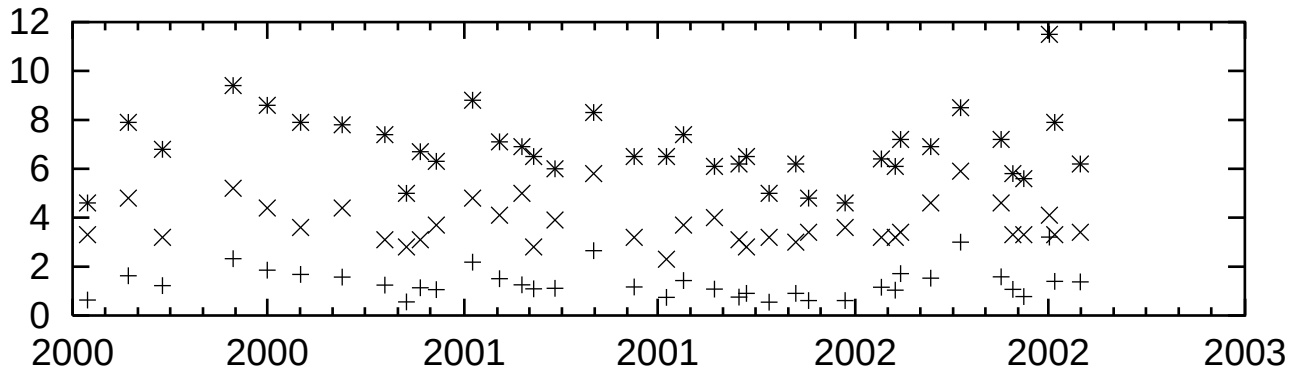

Antenna 11 Chi-Sq
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003


Azimuth Terms
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
2000
2000
2001
2001
2002
2002
2003

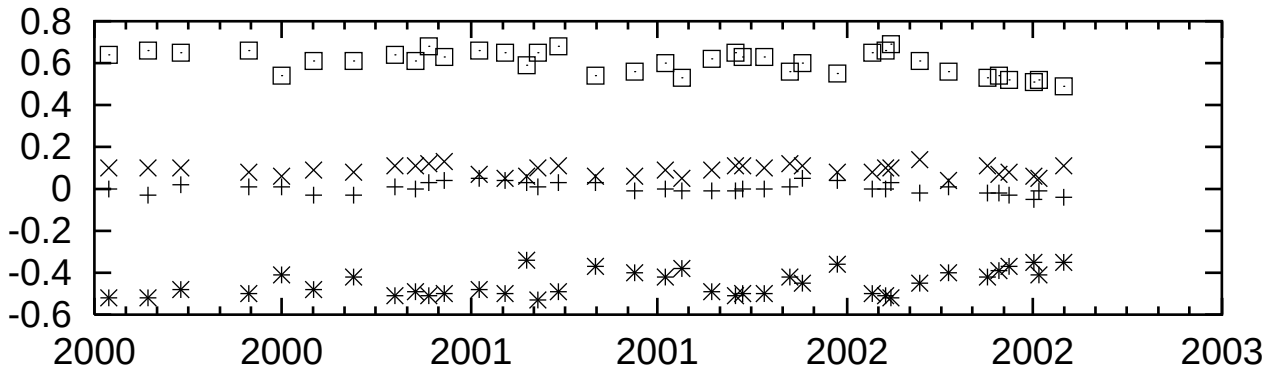

Elevation Terms
4
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.3
0.25
0.2
0.15
0.1
0.05
2000
2000
2001
2001
2002
2002
2003

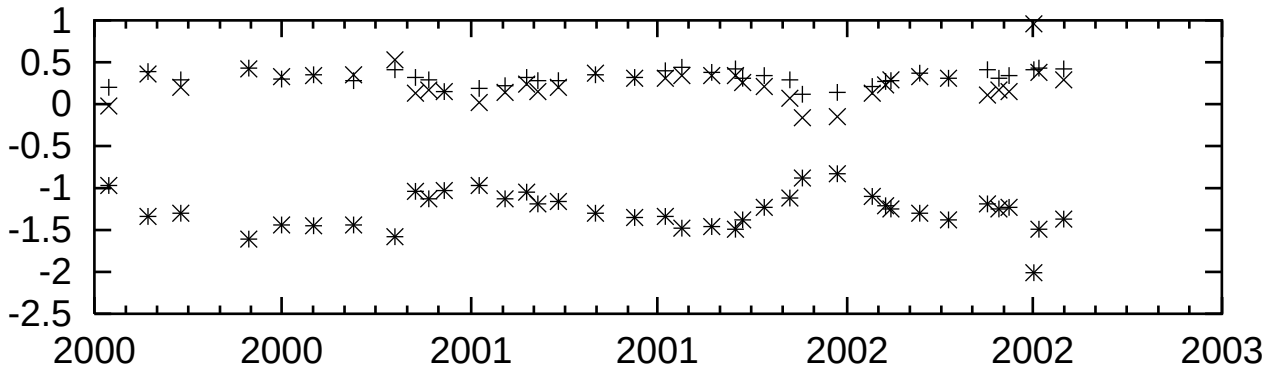
Antenna 12 Chi-Sq



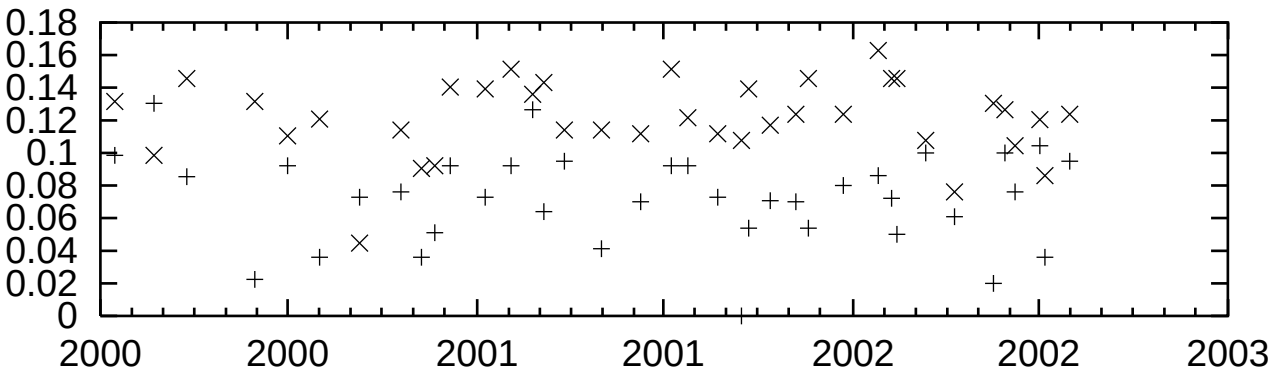
Azimuth Terms

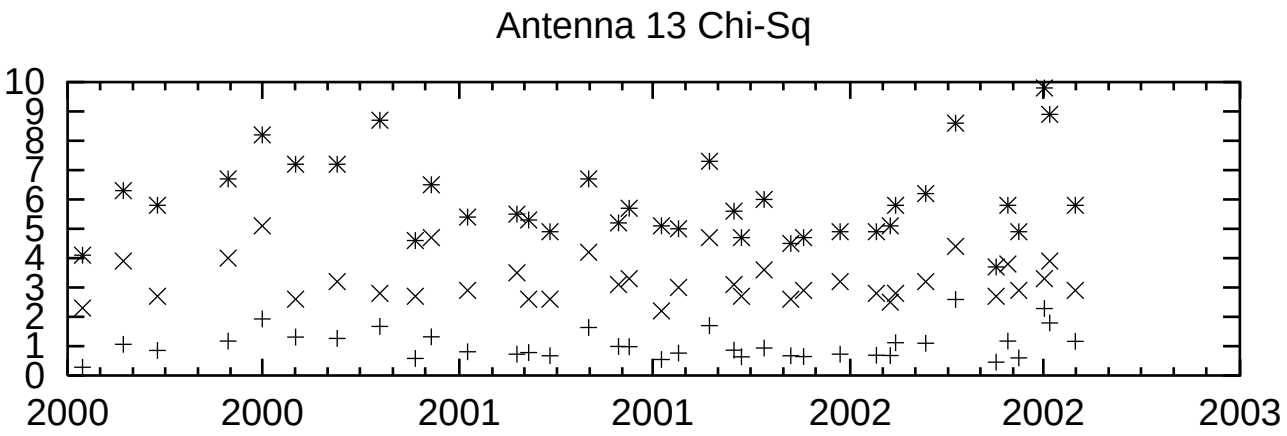


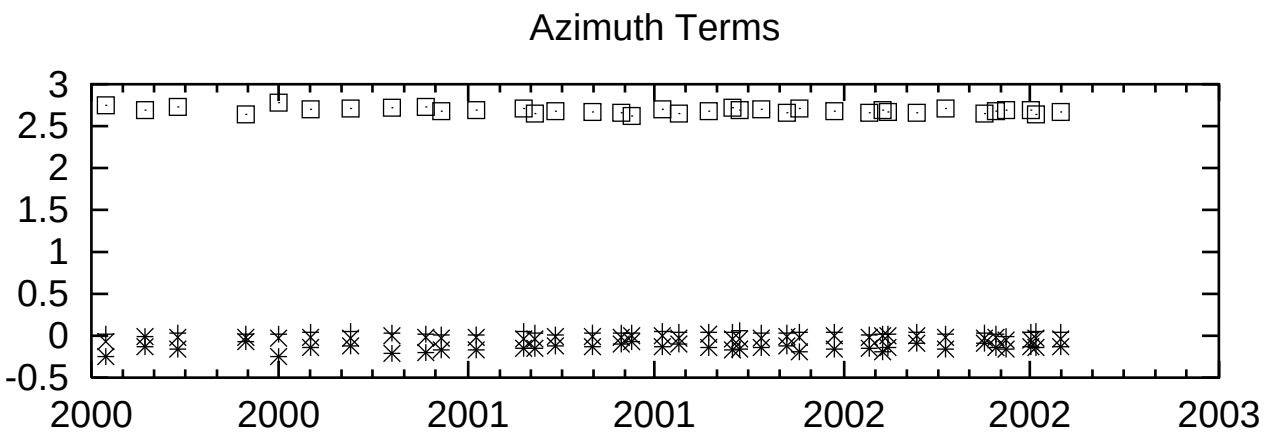
Elevation Terms

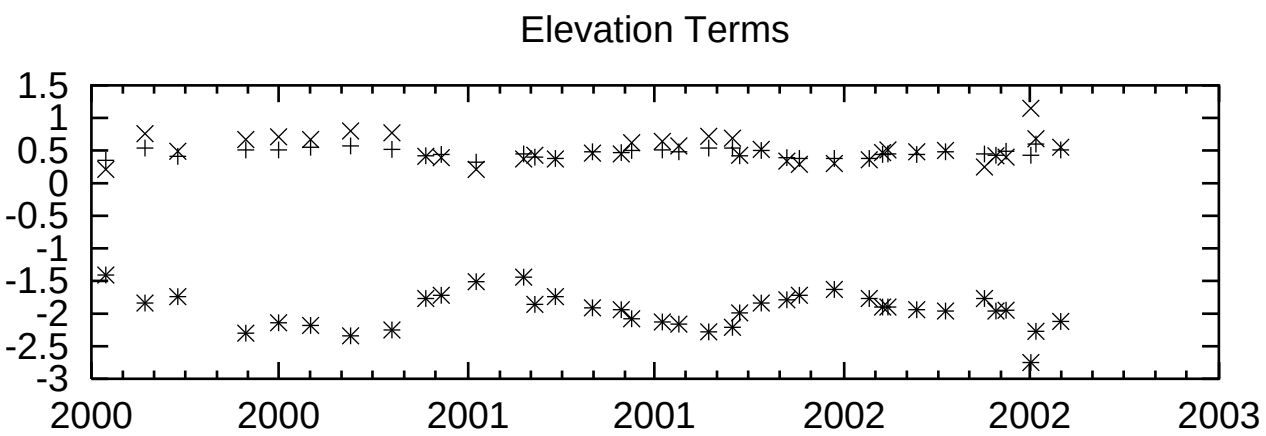


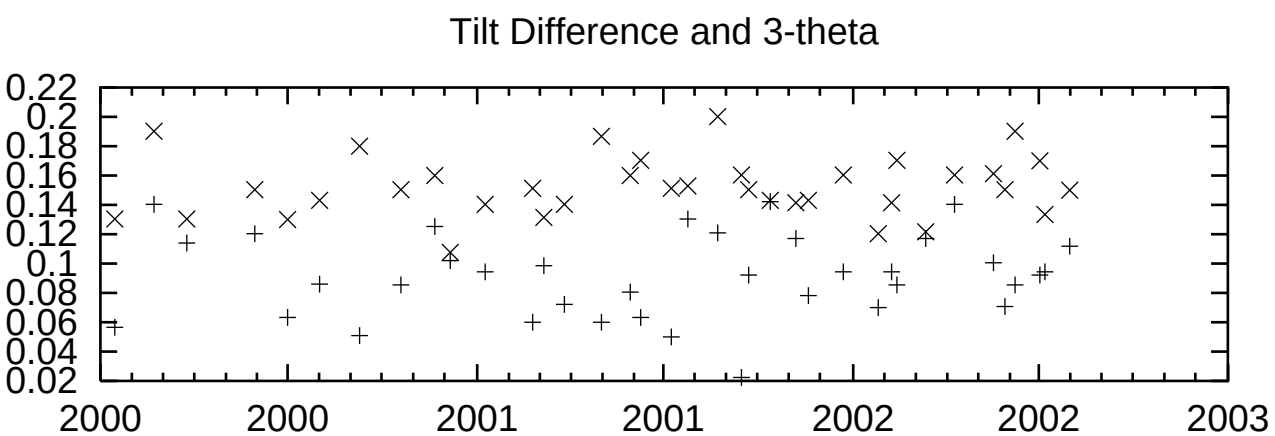
Tilt Difference and 3-theta

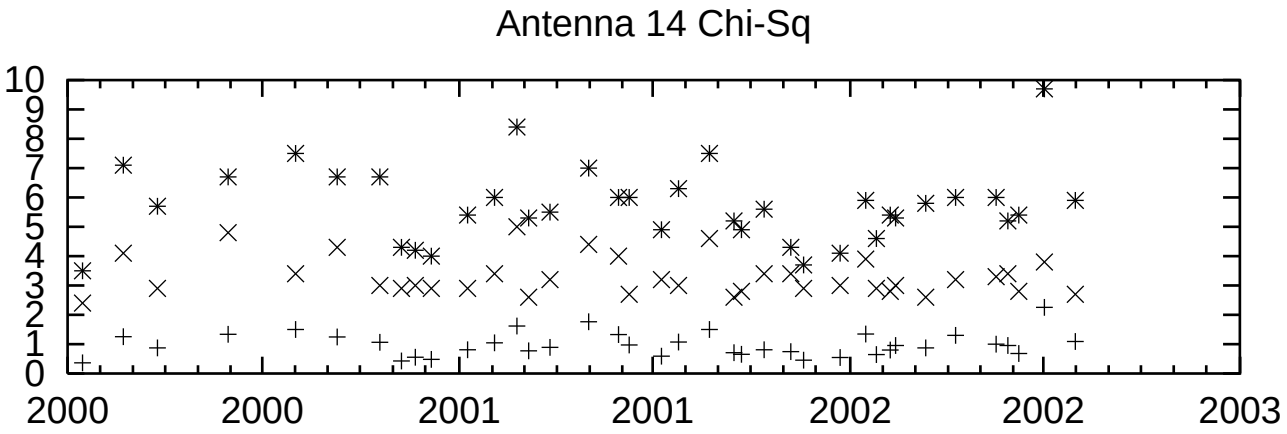


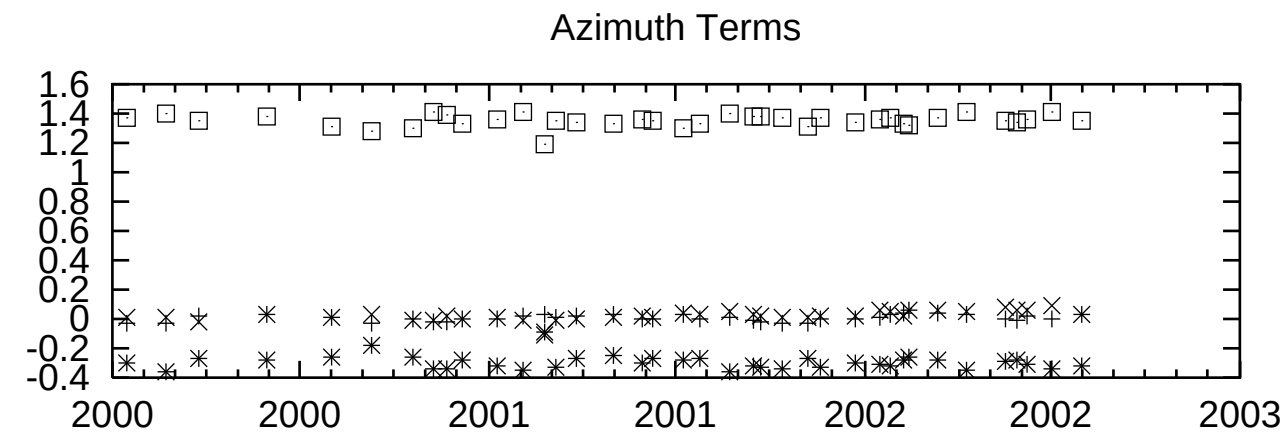

Antenna 13 Chi-Sq
10
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

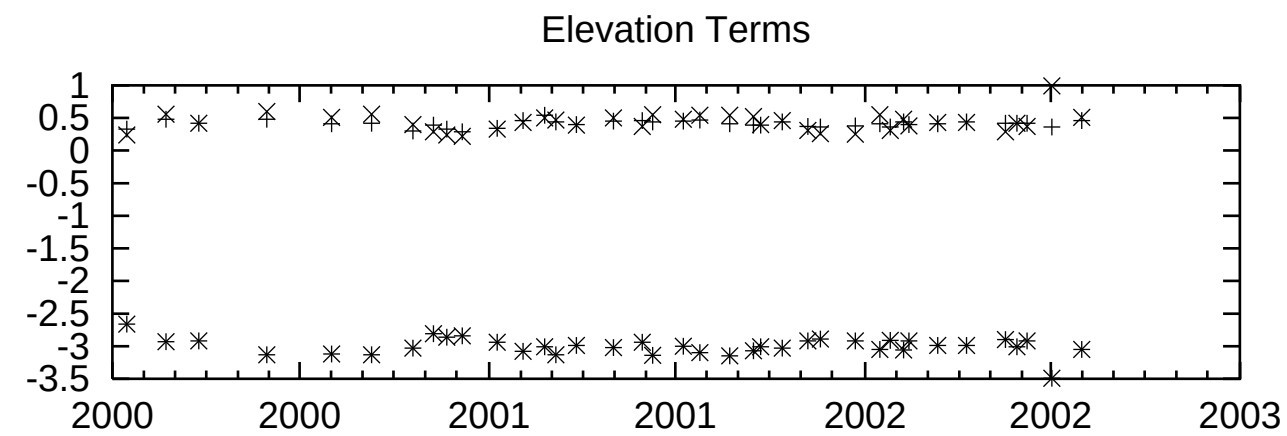

Azimuth Terms
3
2.5
2
1.5
1
0.5
0
-0.5
2000
2000
2001
2001
2002
2002
2003

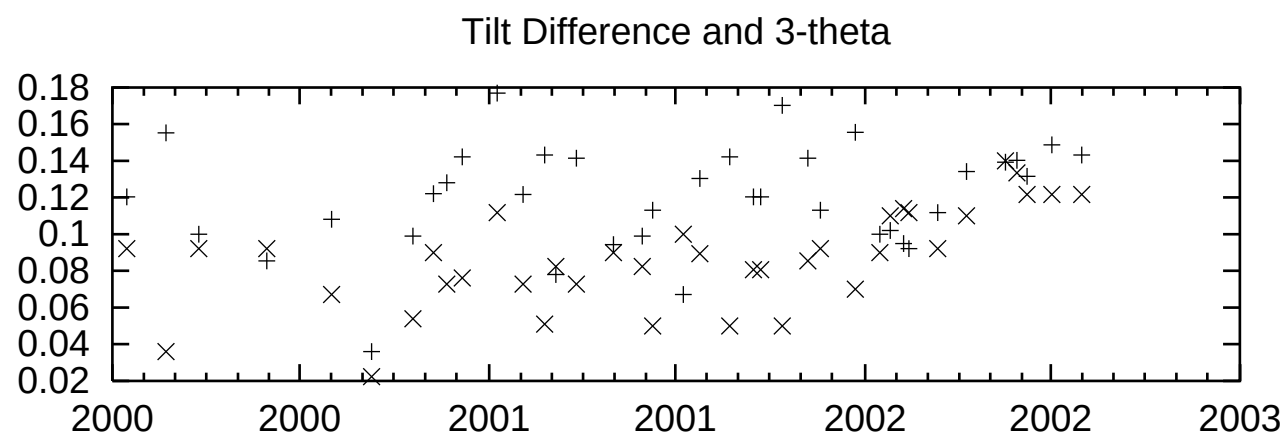

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
2000
2000
2001
2001
2002
2002
2003

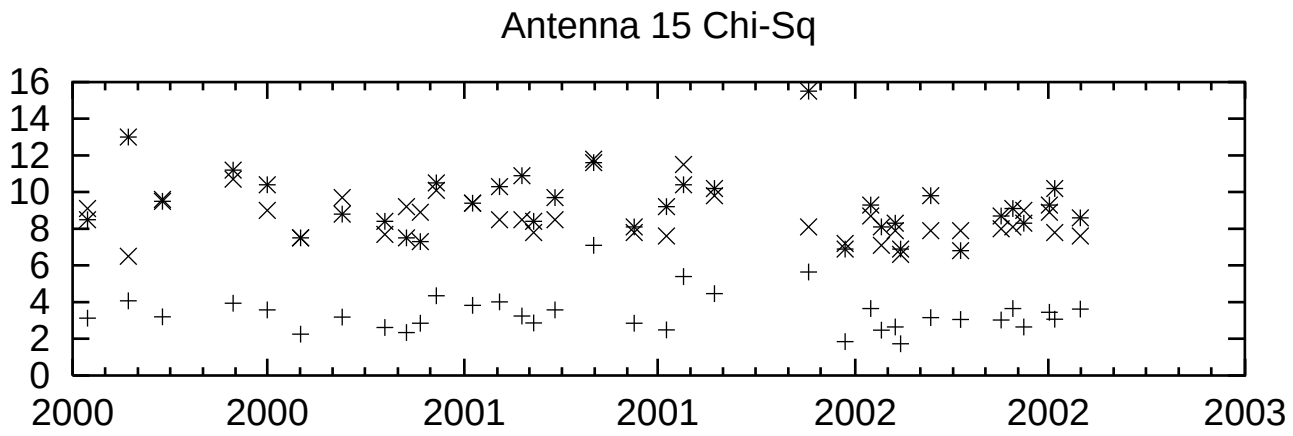

Tilt Difference and 3-theta
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
2000
2000
2001
2001
2002
2002
2003

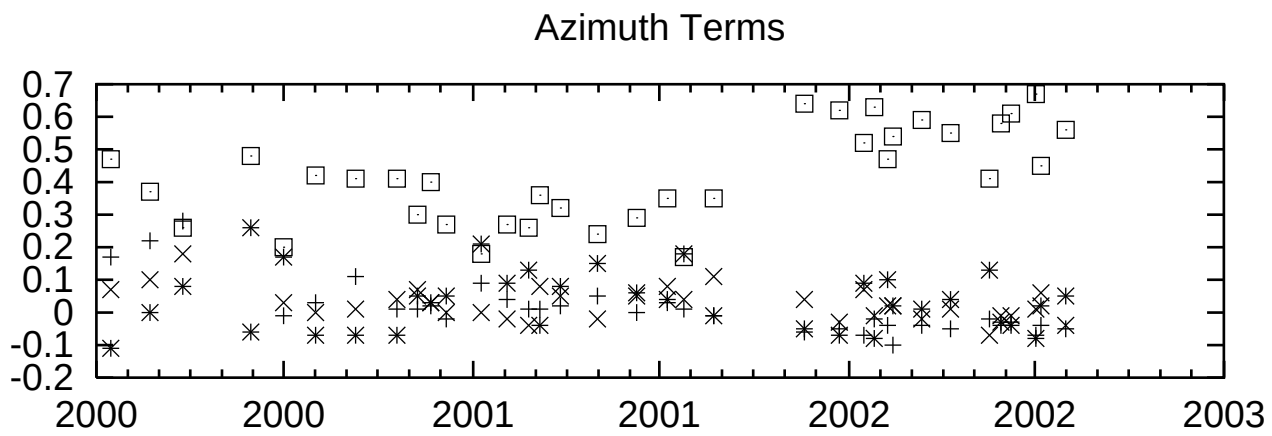

Antenna 14 Chi-Sq
10
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

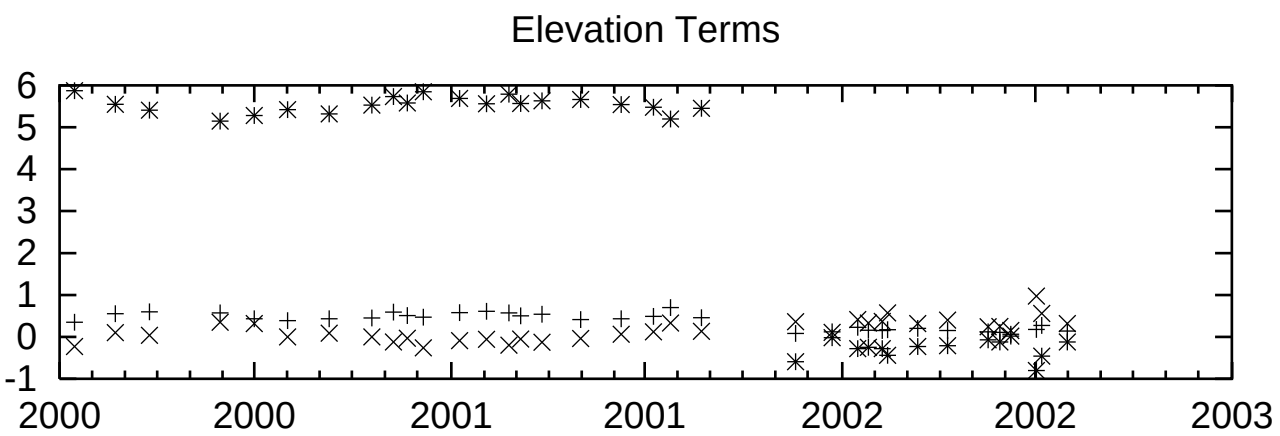

Azimuth Terms
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
2000
2000
2001
2001
2002
2002
2003

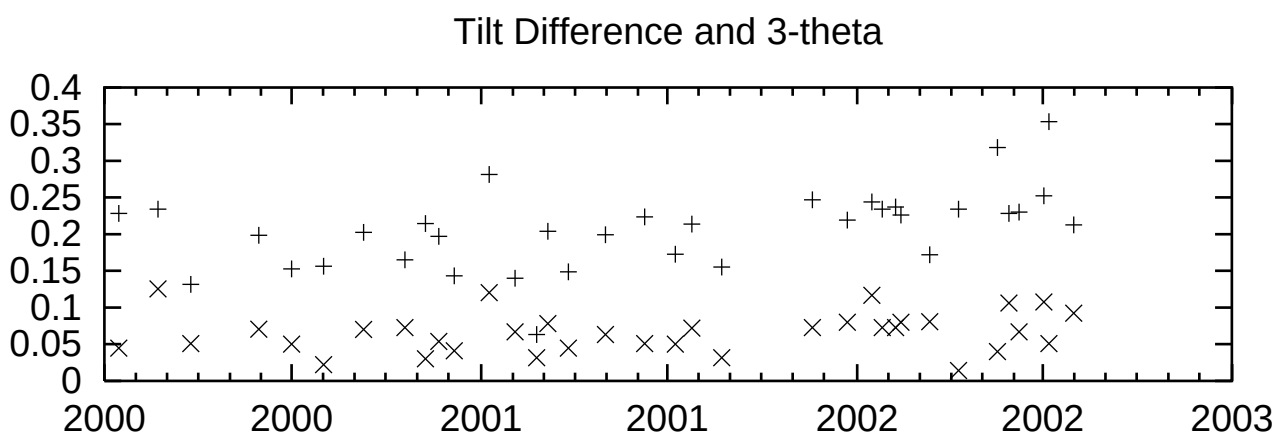

Elevation Terms
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
2000
2000
2001
2001
2002
2002
2003

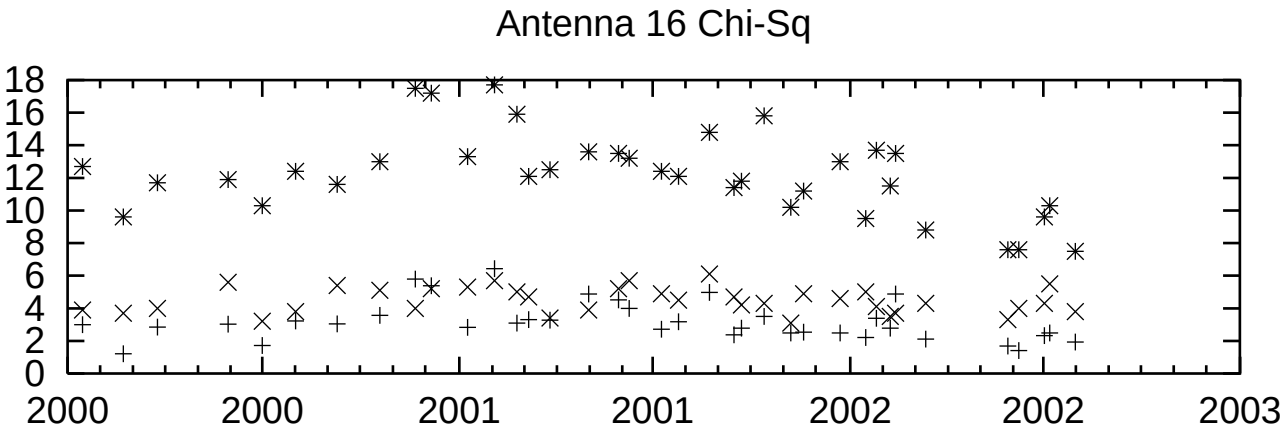

Tilt Difference and 3-theta
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
2000
2000
2001
2001
2002
2002
2003

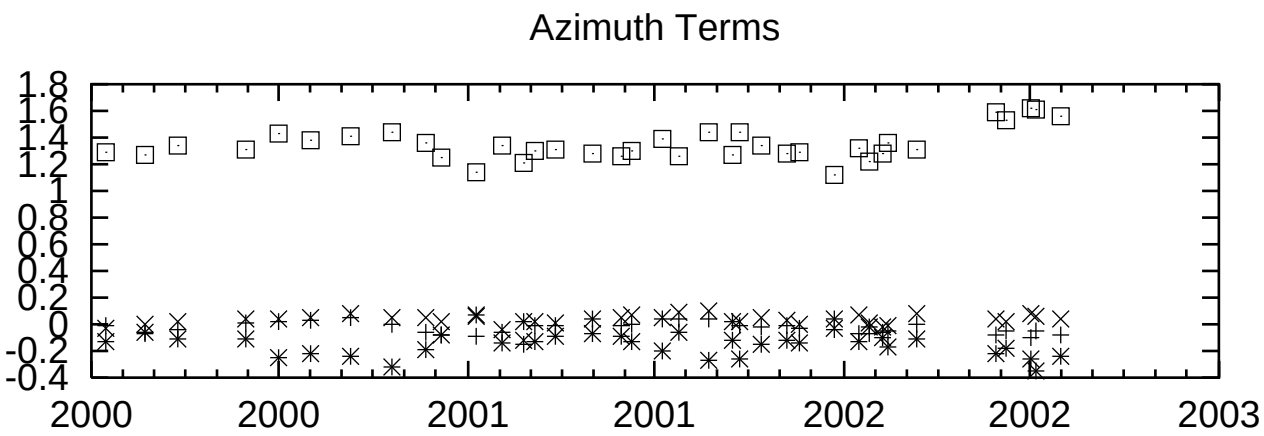

Antenna 15 Chi-Sq
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

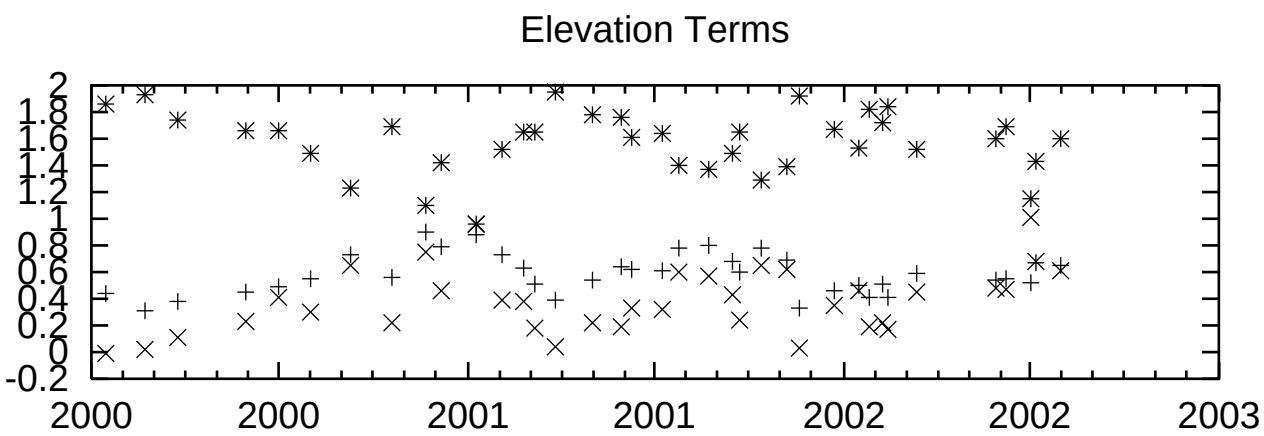

Azimuth Terms
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
2000
2000
2001
2001
2002
2002
2003

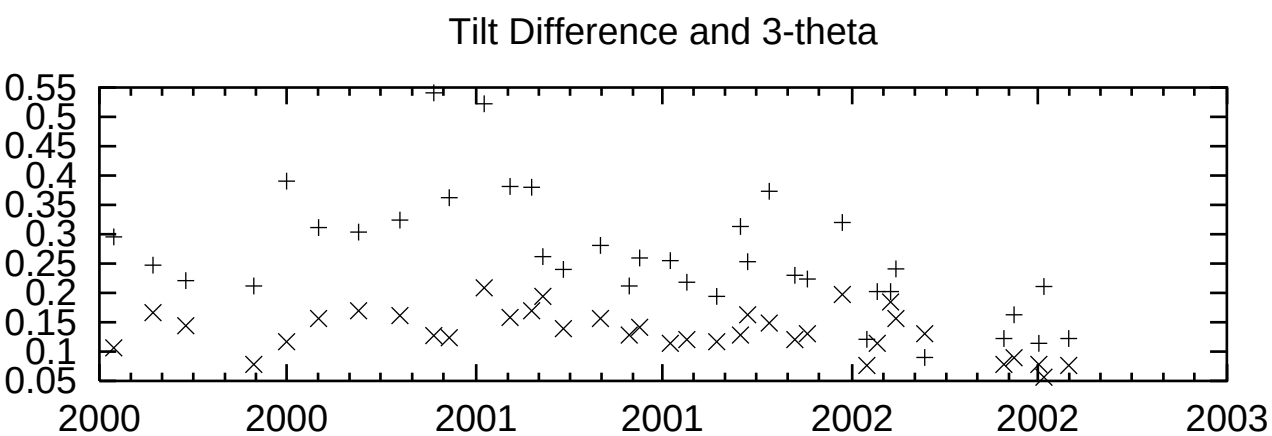

Elevation Terms
6
5
4
3
2
1
0
-1
2000
2000
2001
2001
2002
2002
2003

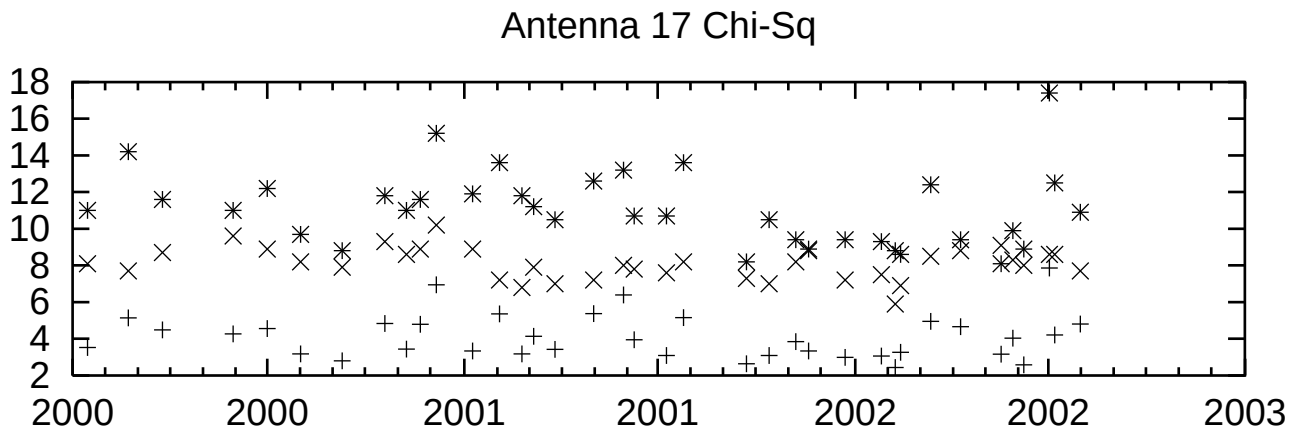

Tilt Difference and 3-theta
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

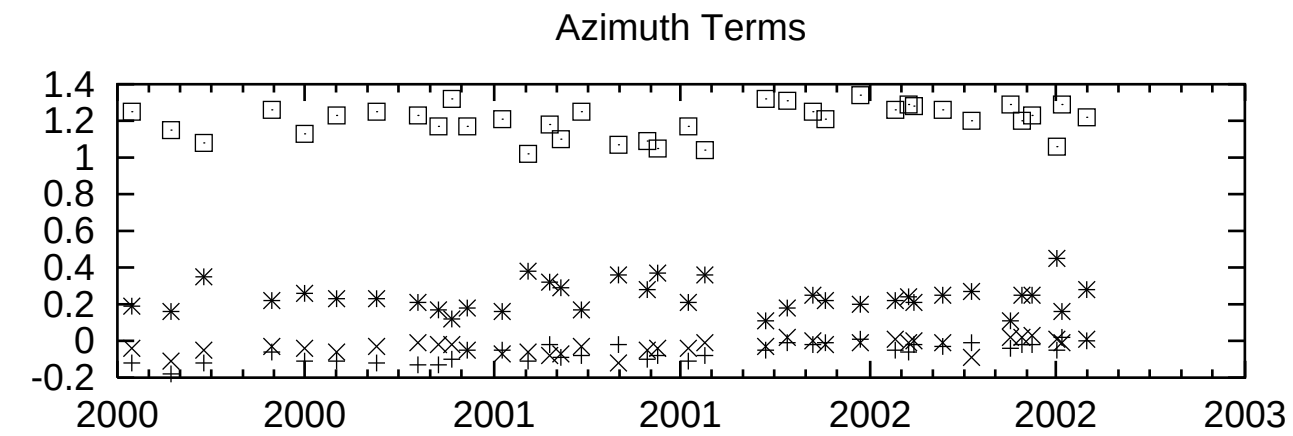

Antenna 16 Chi-Sq
18
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

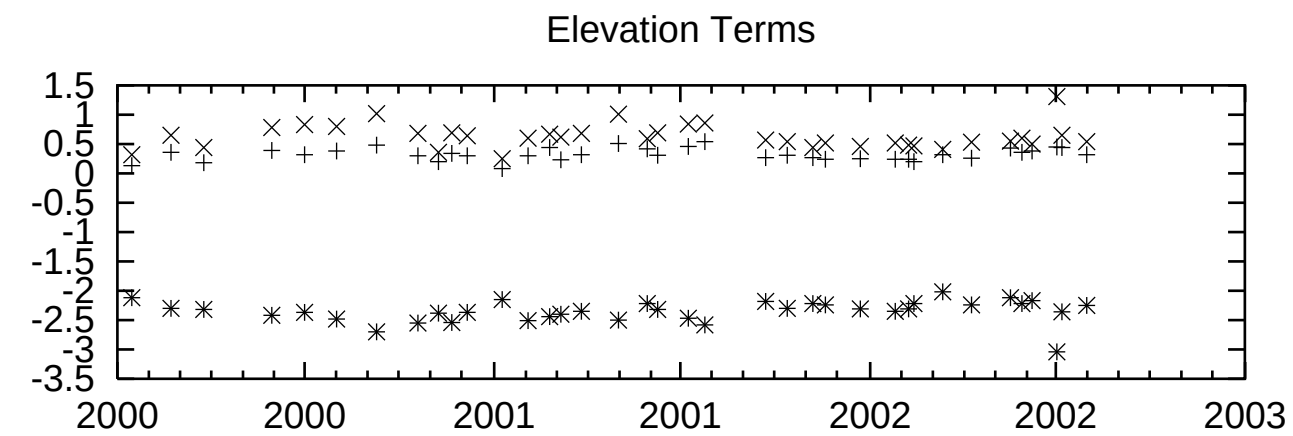

Azimuth Terms
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
2000
2000
2001
2001
2002
2002
2003

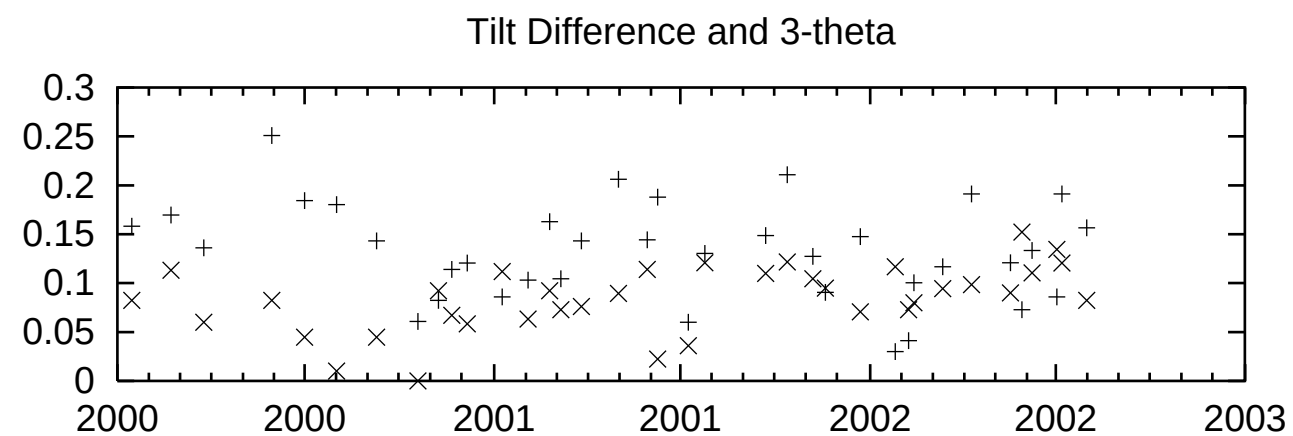

Elevation Terms
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
2000
2000
2001
2001
2002
2002
2003

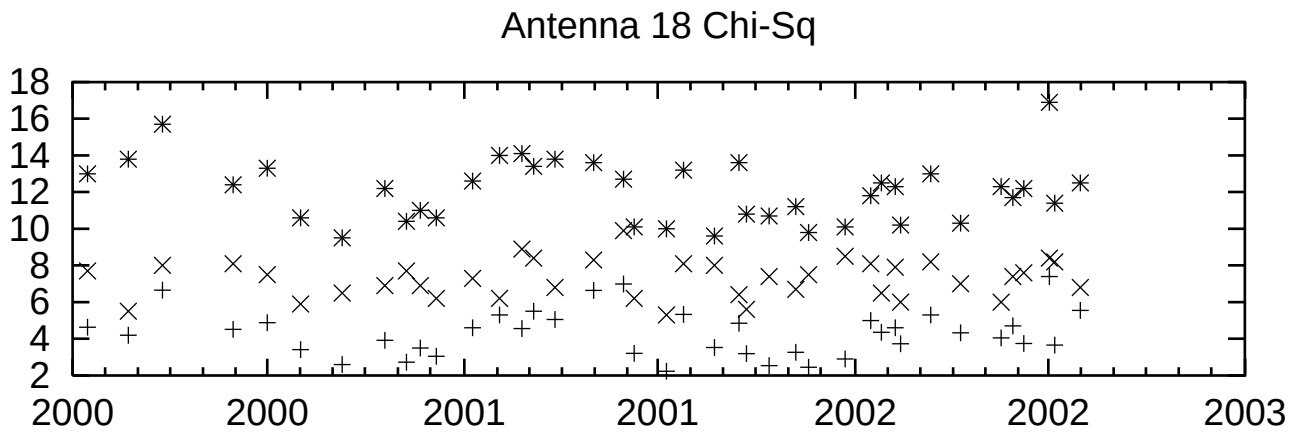

Tilt Difference and 3-theta
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
2000
2000
2001
2001
2002
2002
2003

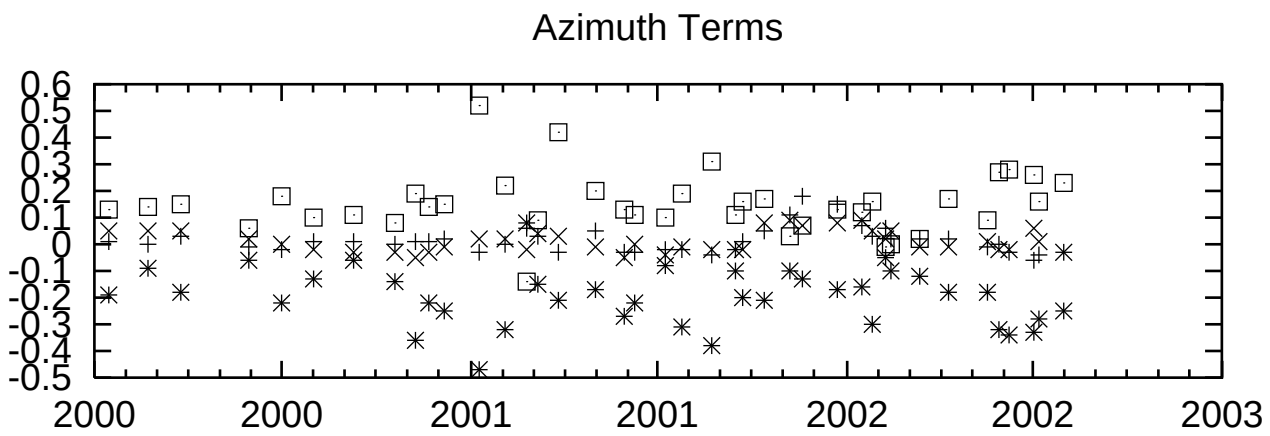

Antenna 17 Chi-Sq
18
16
14
12
10
8
6
4
2
2000
2000
2001
2001
2002
2002
2003

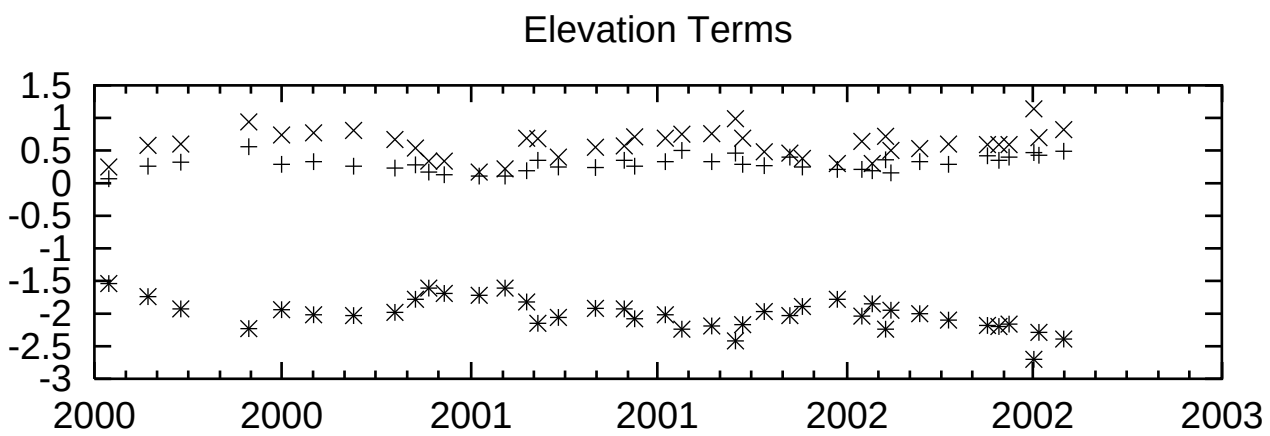

Azimuth Terms
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
2000
2000
2001
2001
2002
2002
2003

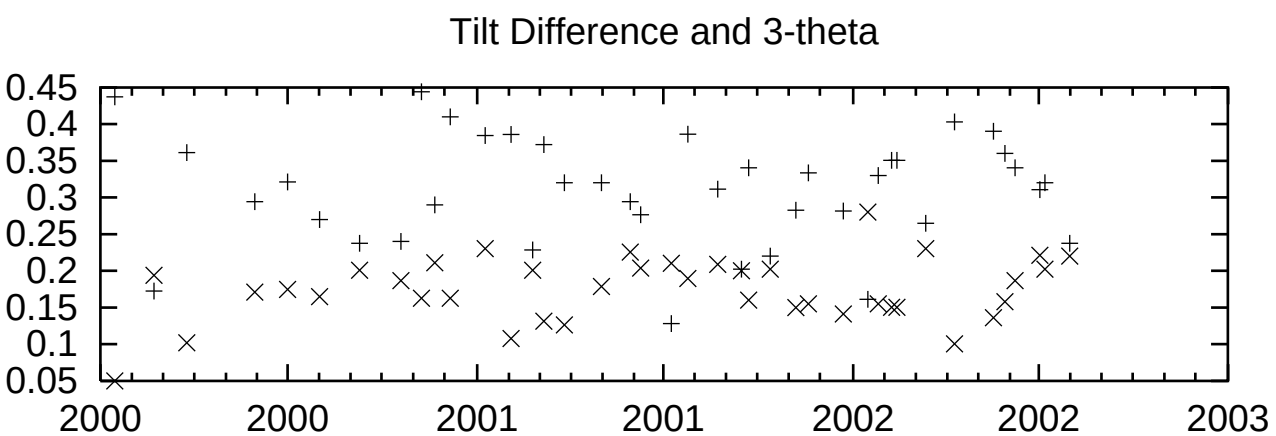

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
2000
2000
2001
2001
2002
2002
2003

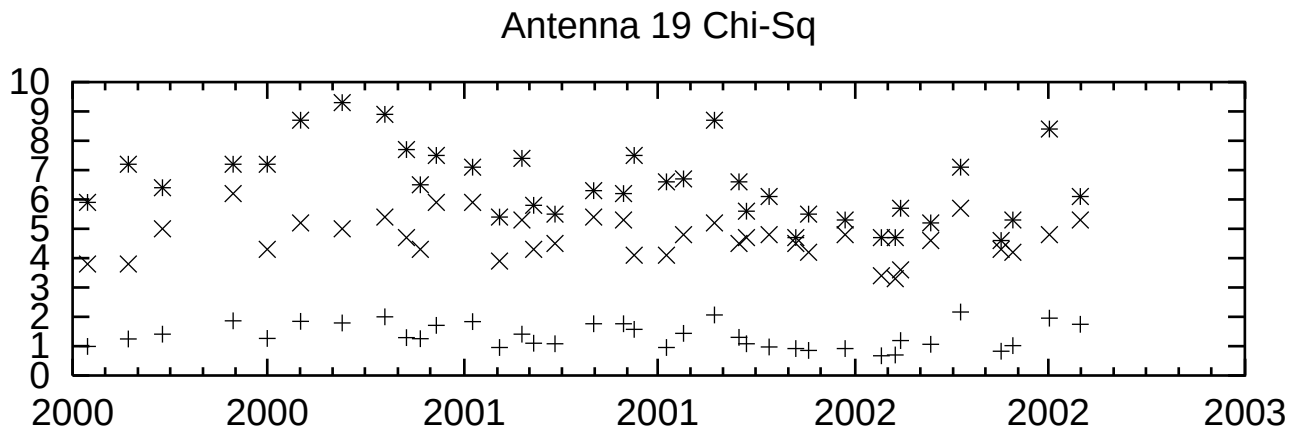

Tilt Difference and 3-theta
0.3
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

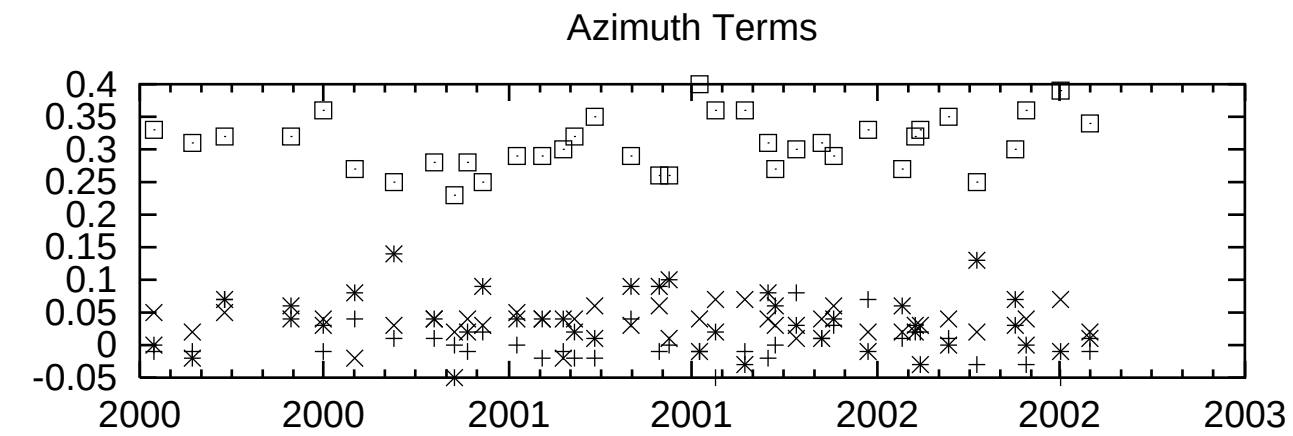

Antenna 18 Chi-Sq
18
16
14
12
10
8
6
4
2
2000
2000
2001
2001
2002
2002
2003

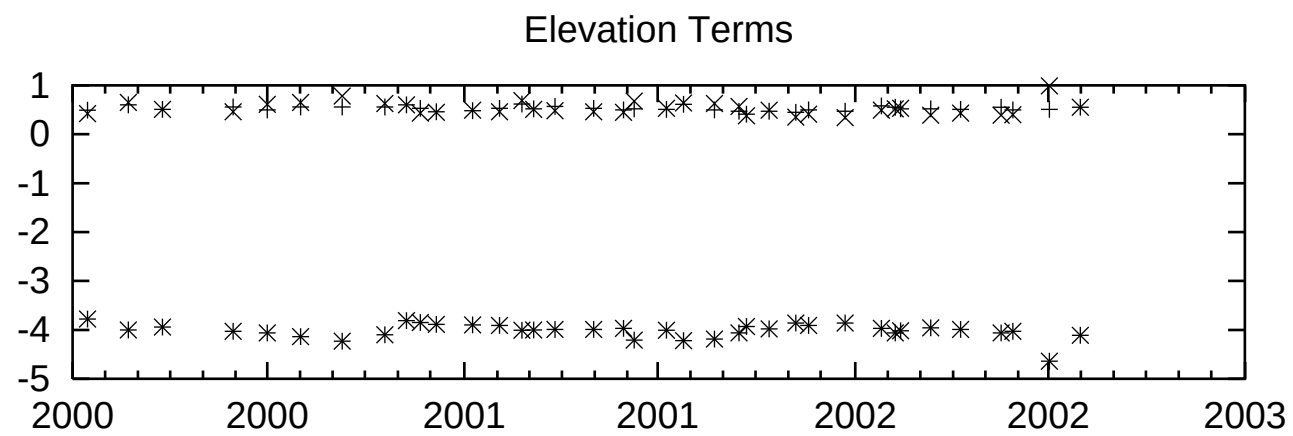

Azimuth Terms
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
2000
2000
2001
2001
2002
2002
2003

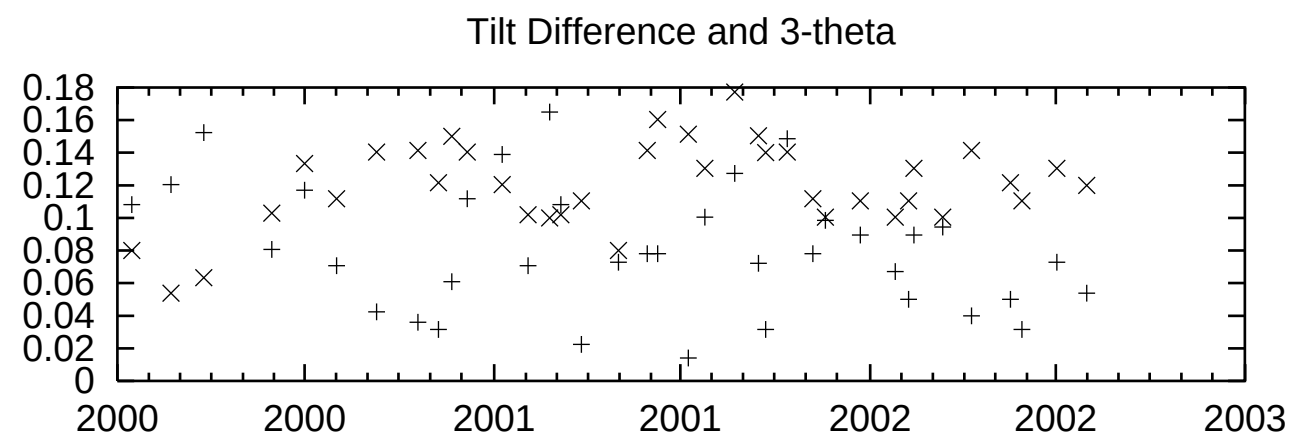

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
2000
2000
2001
2001
2002
2002
2003

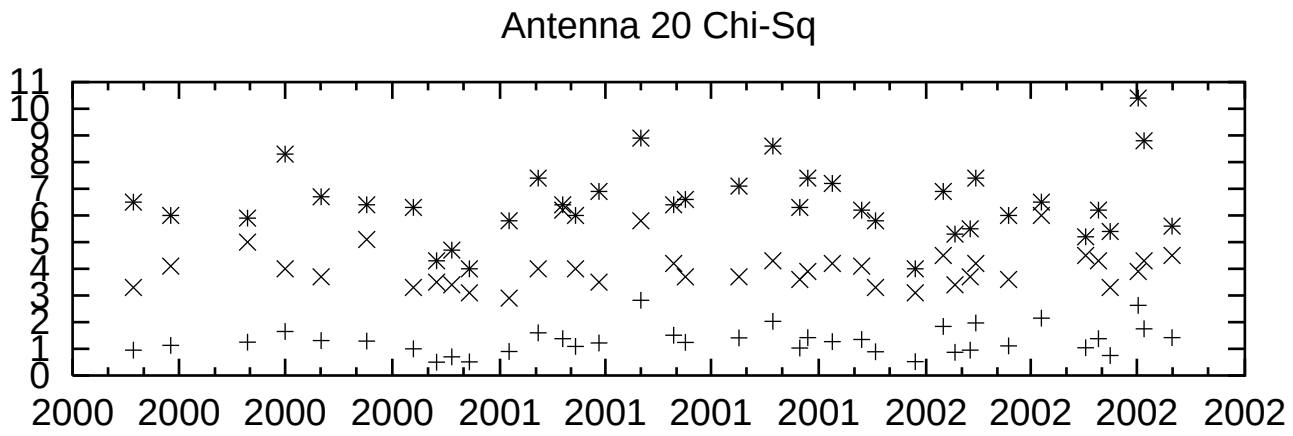

Tilt Difference and 3-theta
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
2000
2000
2001
2001
2002
2002
2003

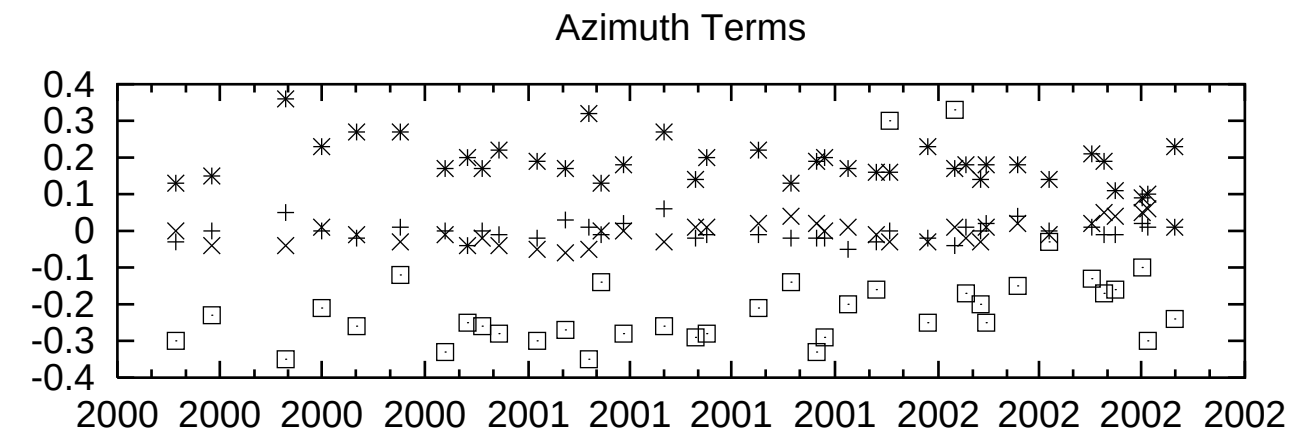

Antenna 19 Chi-Sq
10
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

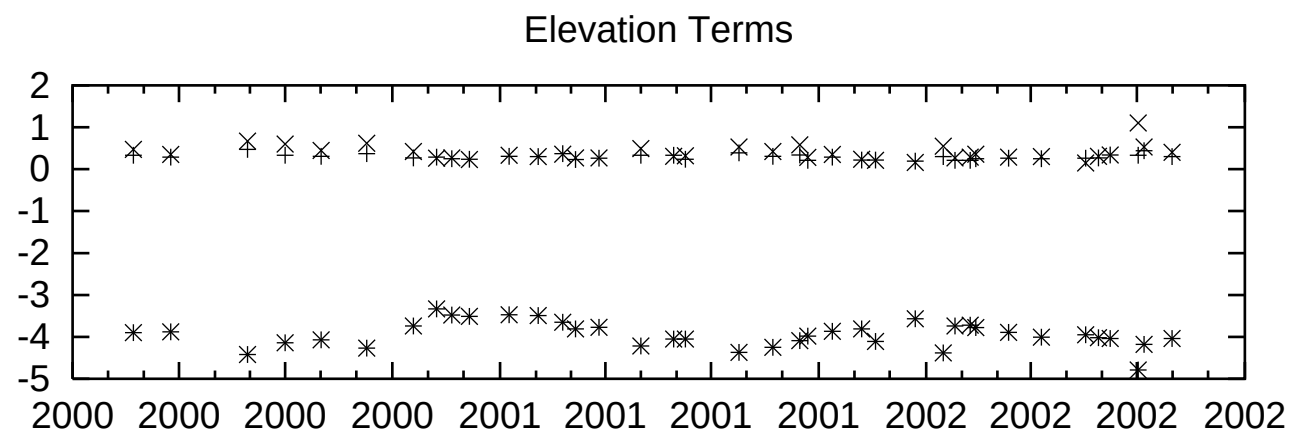

Azimuth Terms
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
2000
2000
2001
2001
2002
2002
2003

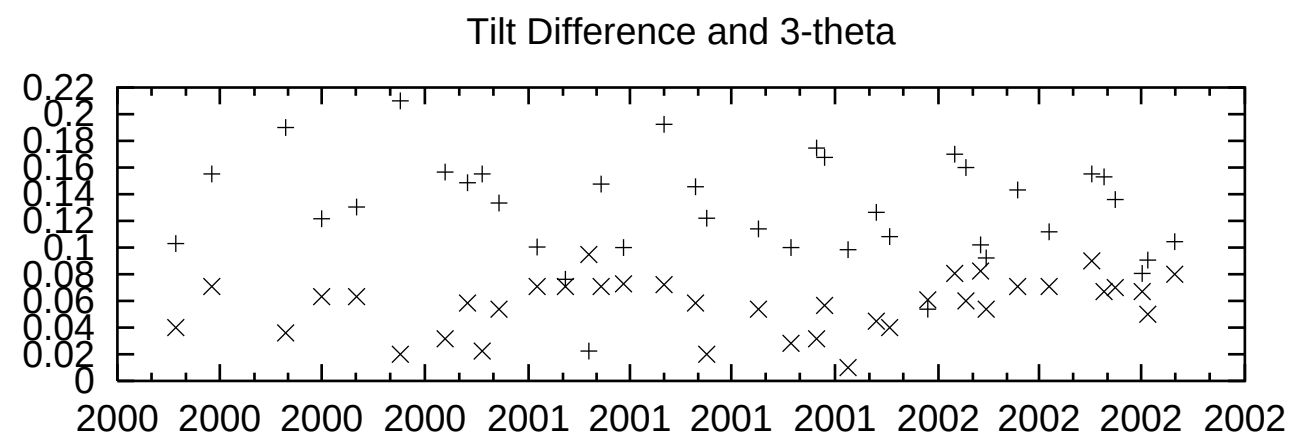

Elevation Terms
1
0
-1
-2
-3
-4
-5
2000
2000
2001
2001
2002
2002
2003

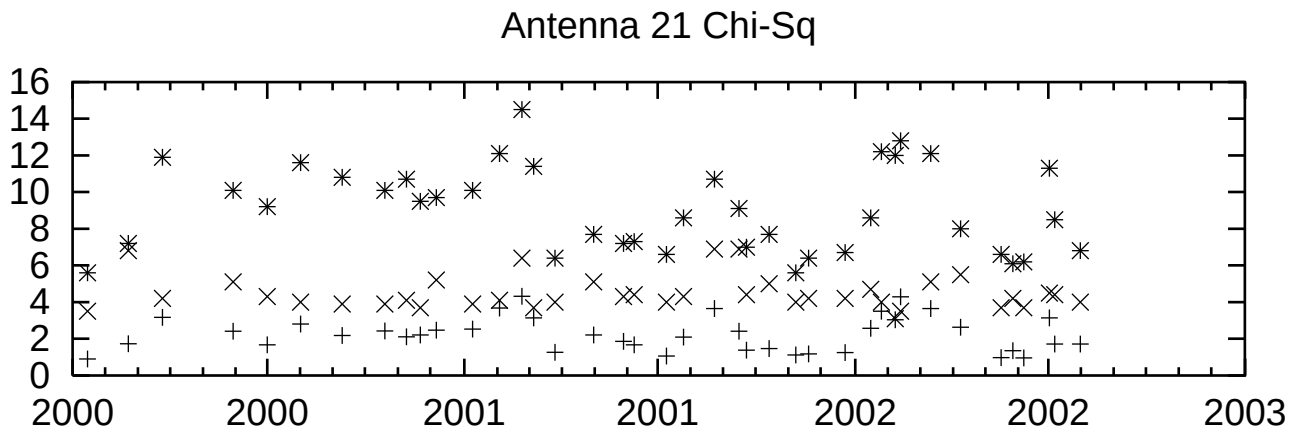

Tilt Difference and 3-theta
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

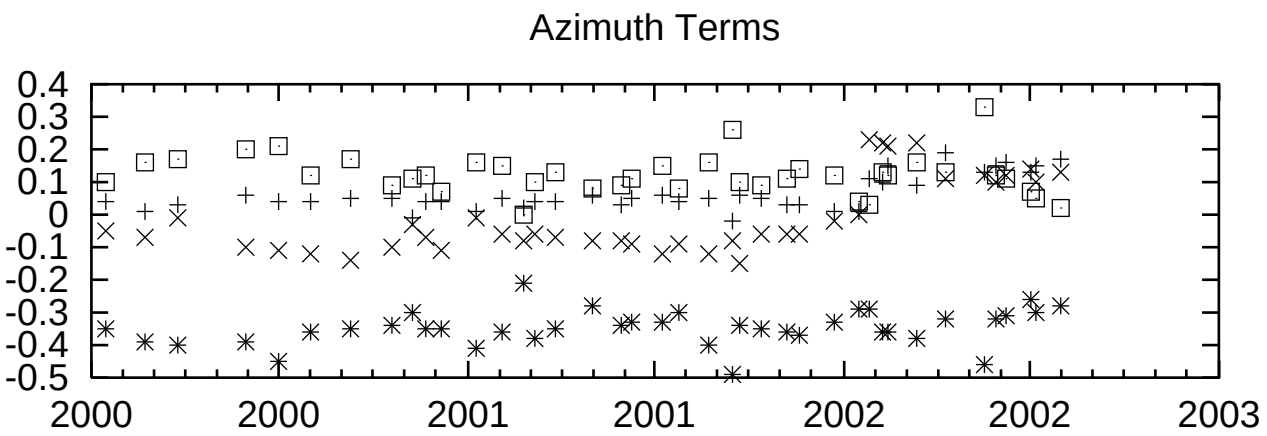

Antenna 20 Chi-Sq
11
10
9
8
7
6
5
4
3
2
1
0
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

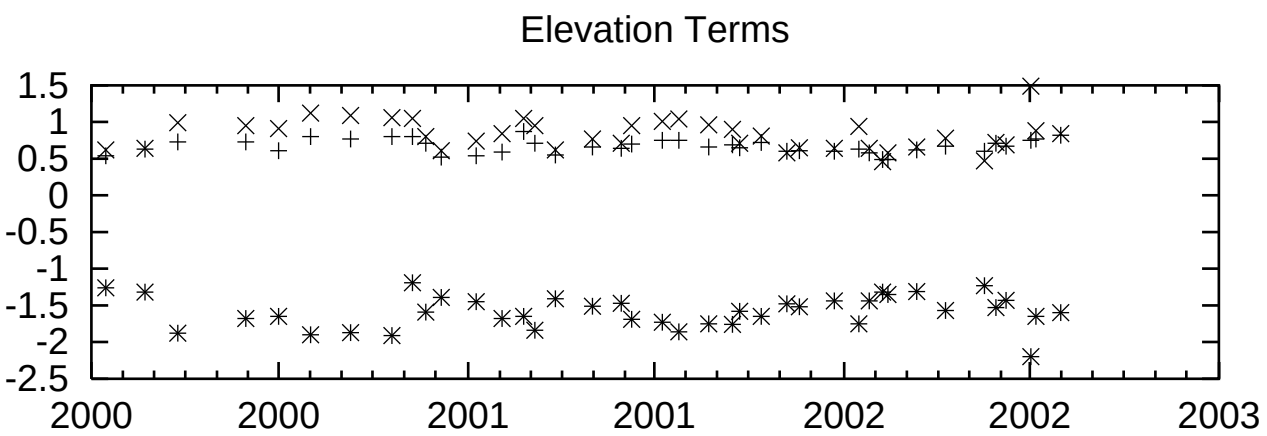

Azimuth Terms
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

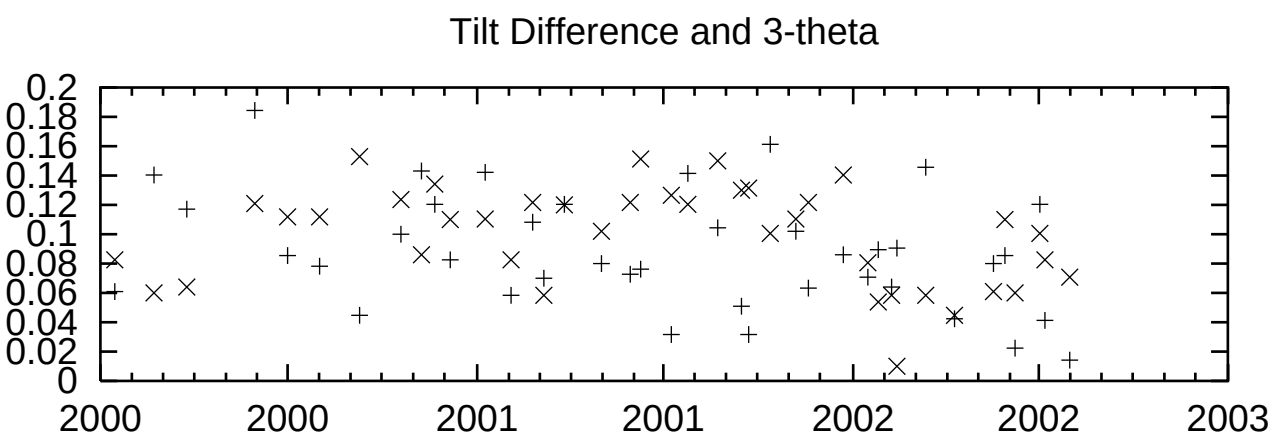

Elevation Terms
2
1
0
-1
-2
-3
-4
-5
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002


Tilt Difference and 3-theta
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000 2000 2000 2000 2001 2001 2001 2001 2002 2002 2002 2002

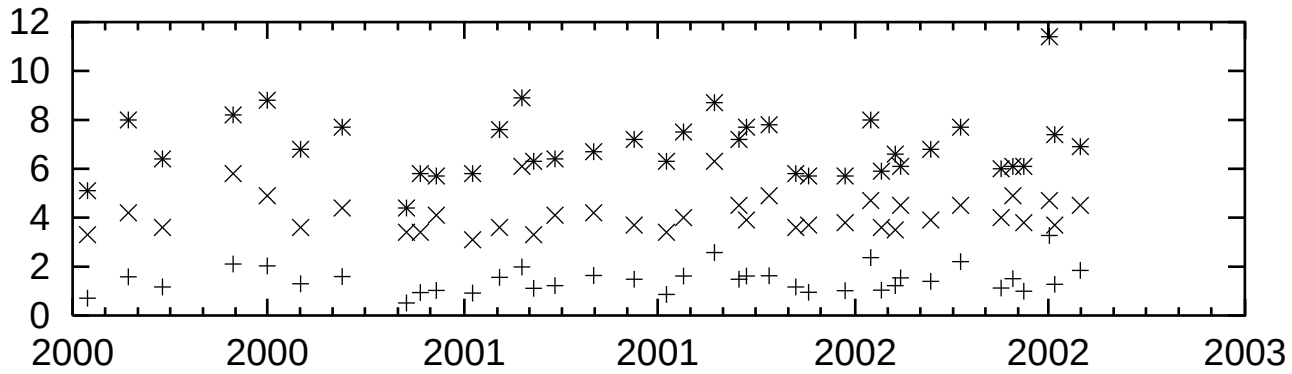

Antenna 21 Chi-Sq
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003


Azimuth Terms
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
2000
2000
2001
2001
2002
2002
2003

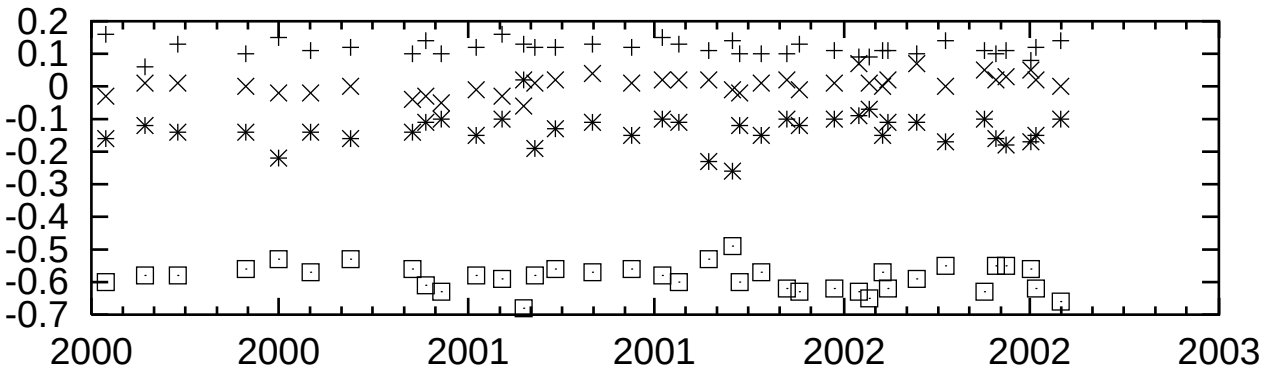

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

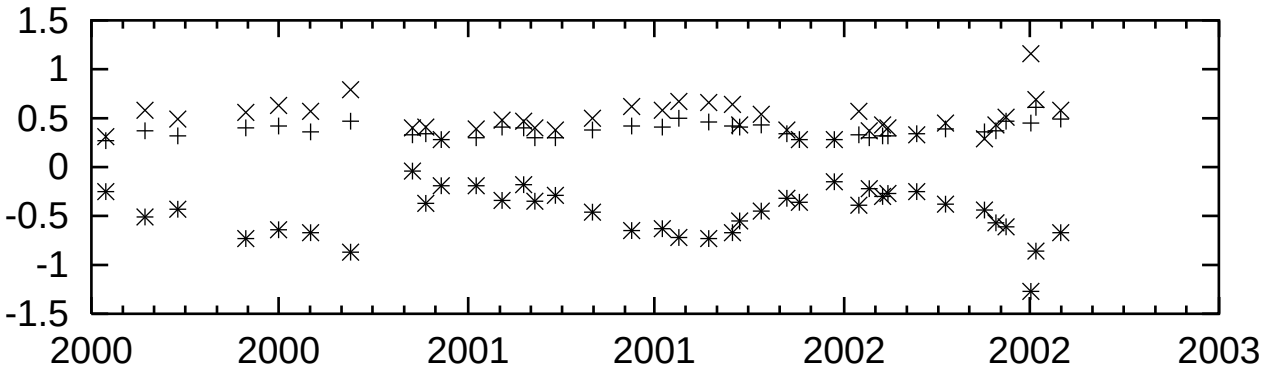
Antenna 22 Chi-Sq



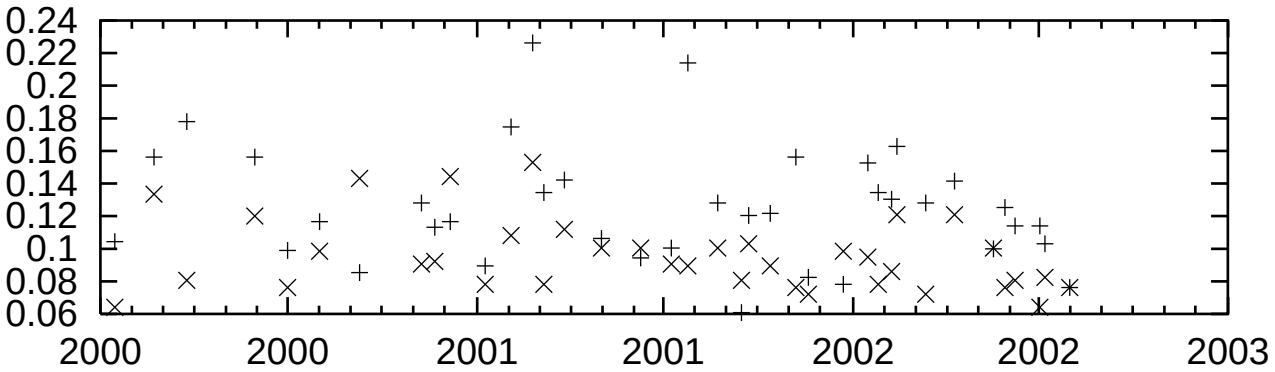
Azimuth Terms



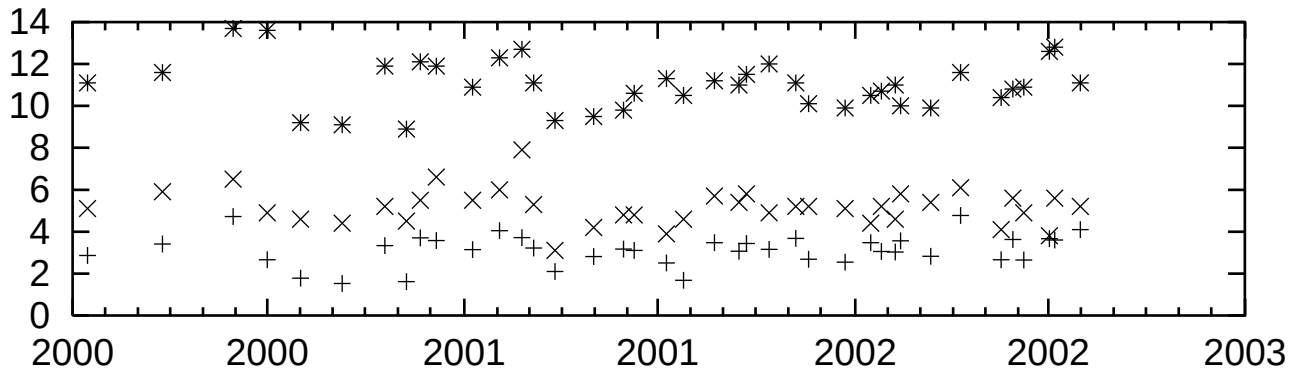
Elevation Terms



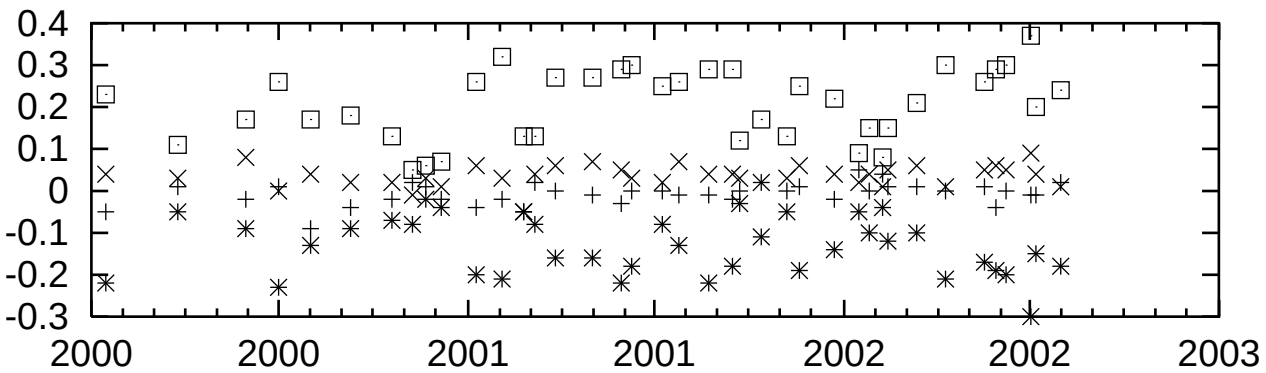
Tilt Difference and 3-theta



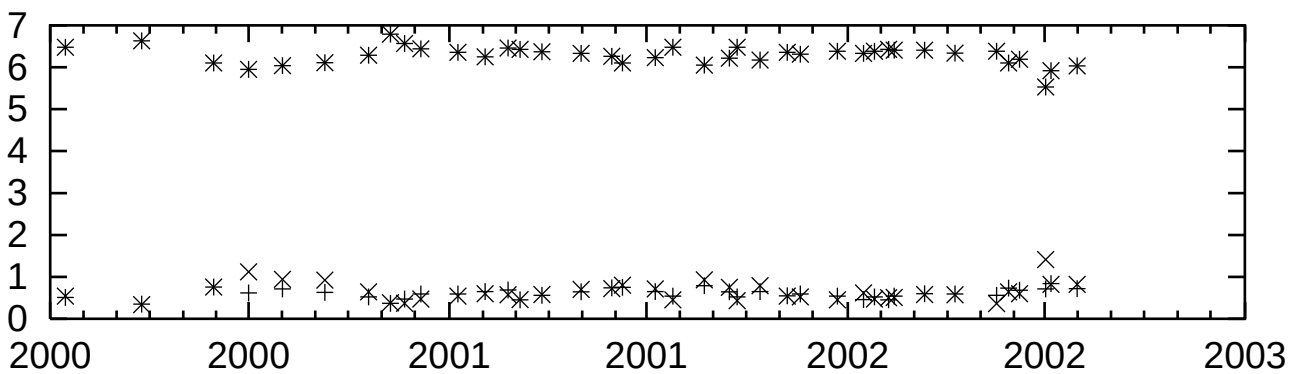
Antenna 23 Chi-Sq



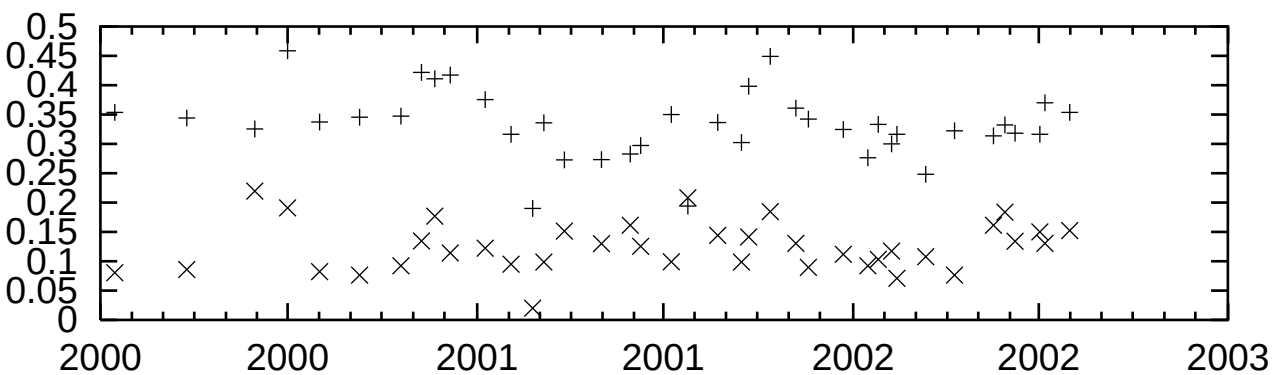
Azimuth Terms

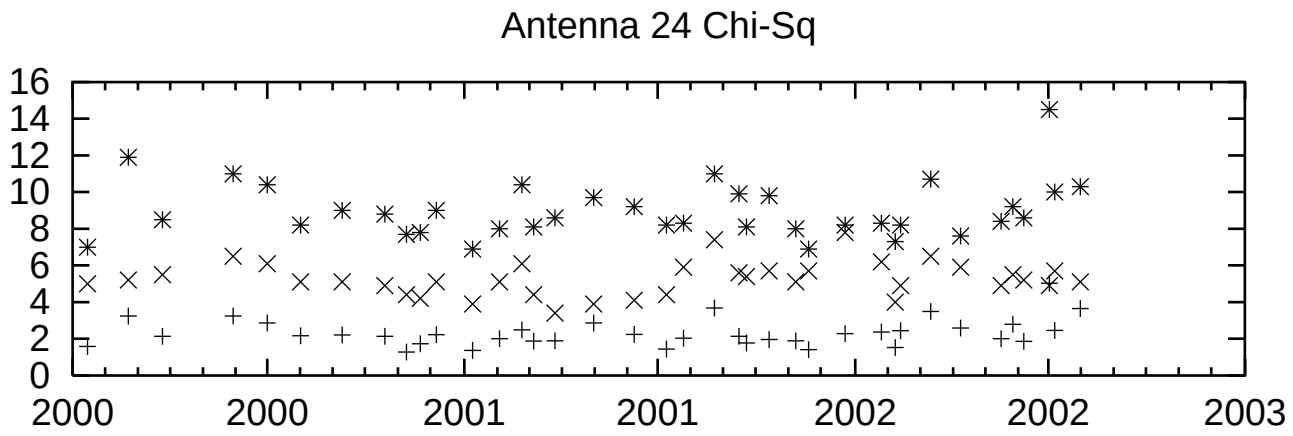


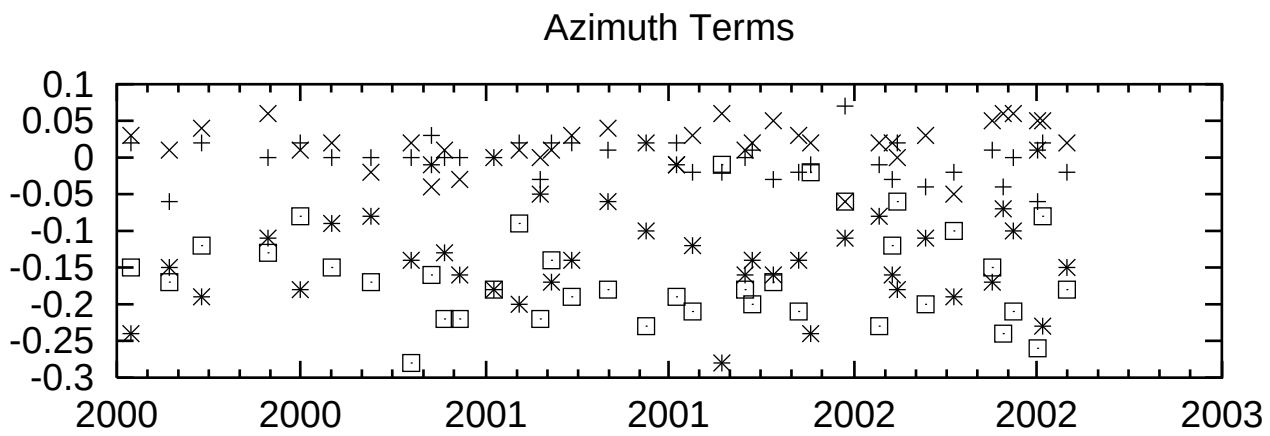
Elevation Terms

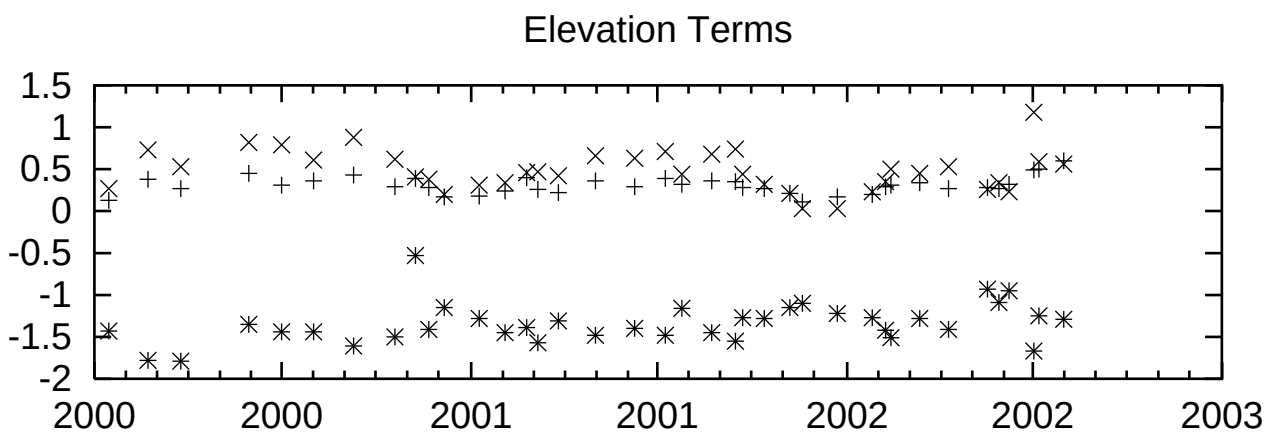


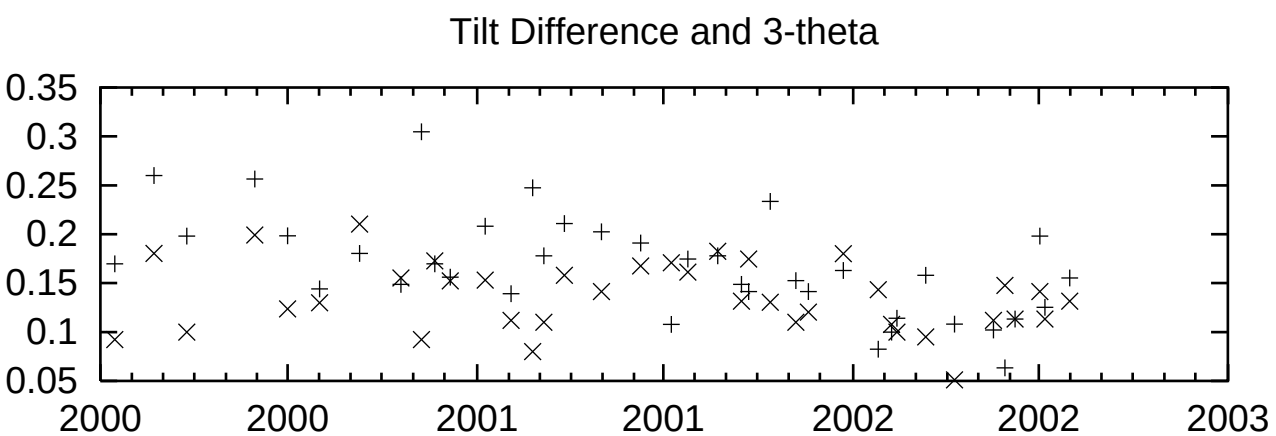
Tilt Difference and 3-theta

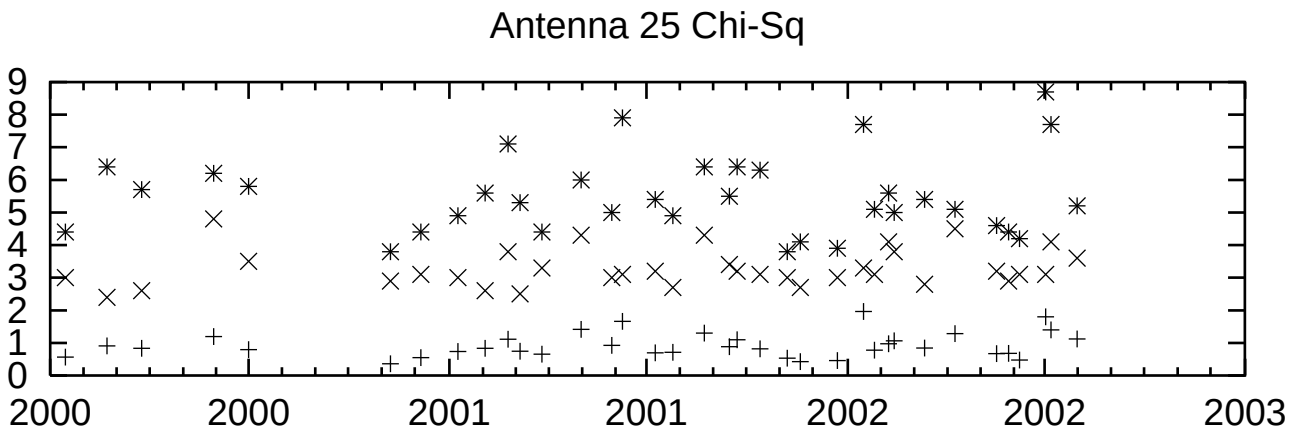


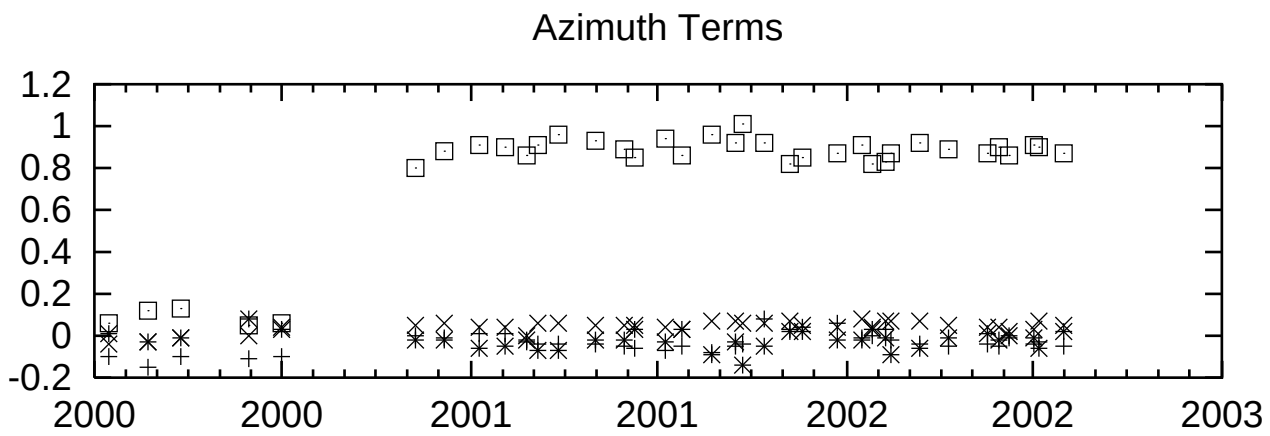

Antenna 24 Chi-Sq
16
14
12
10
8
6
4
2
0
2000
2000
2001
2001
2002
2002
2003

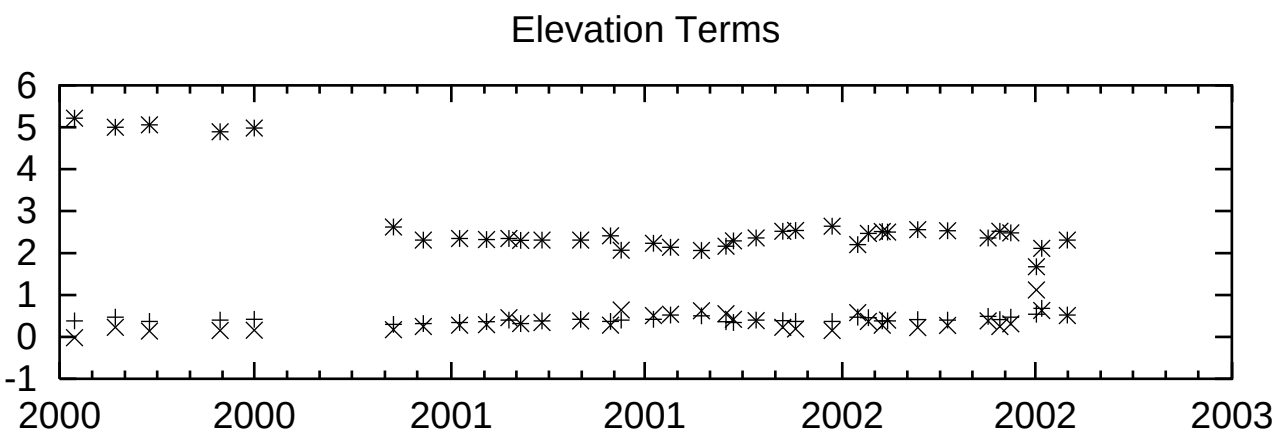

Azimuth Terms
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
-0.3
2000
2000
2001
2001
2002
2002
2003

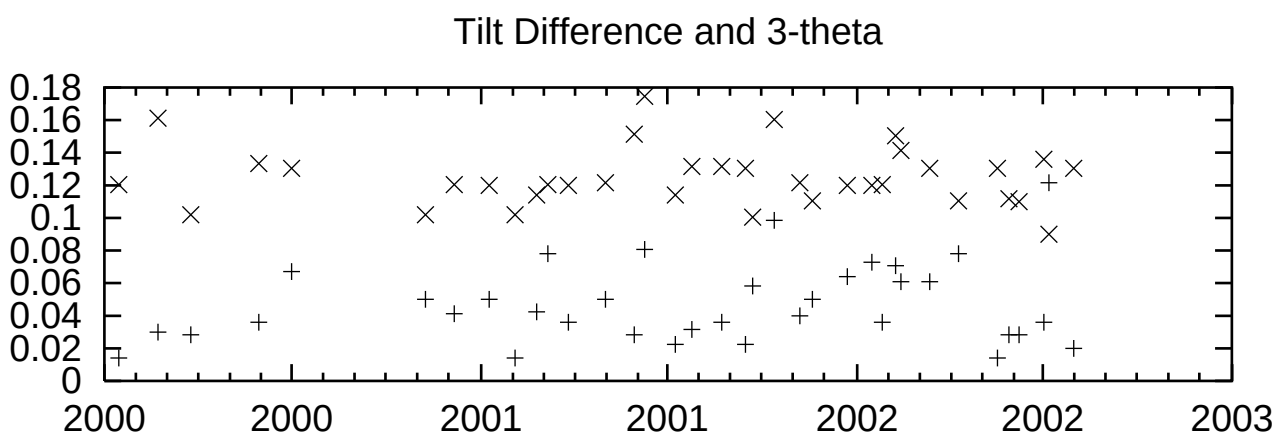

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
2000
2000
2001
2001
2002
2002
2003

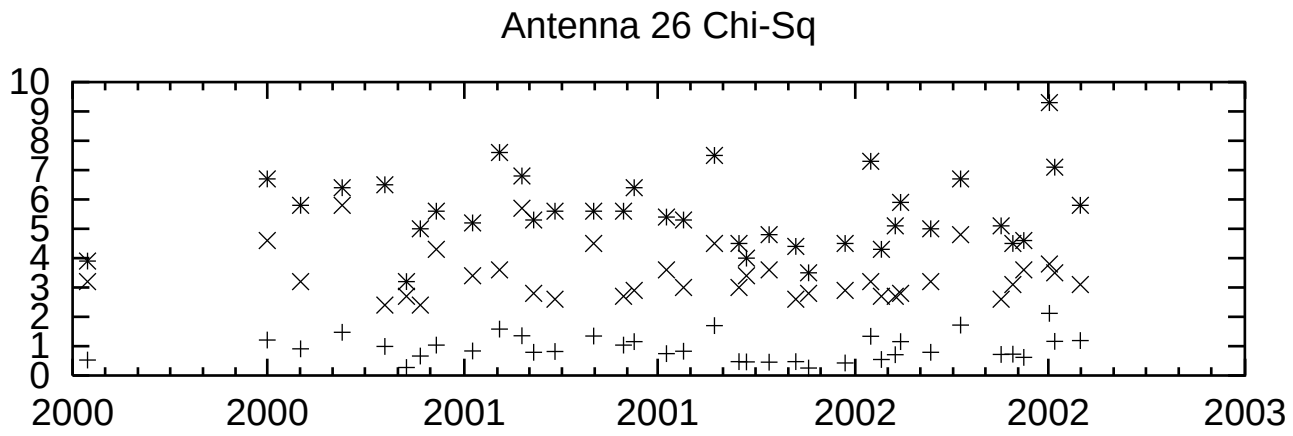

Tilt Difference and 3-theta
0.35
0.3
0.25
0.2
0.15
0.1
0.05
2000
2000
2001
2001
2002
2002
2003

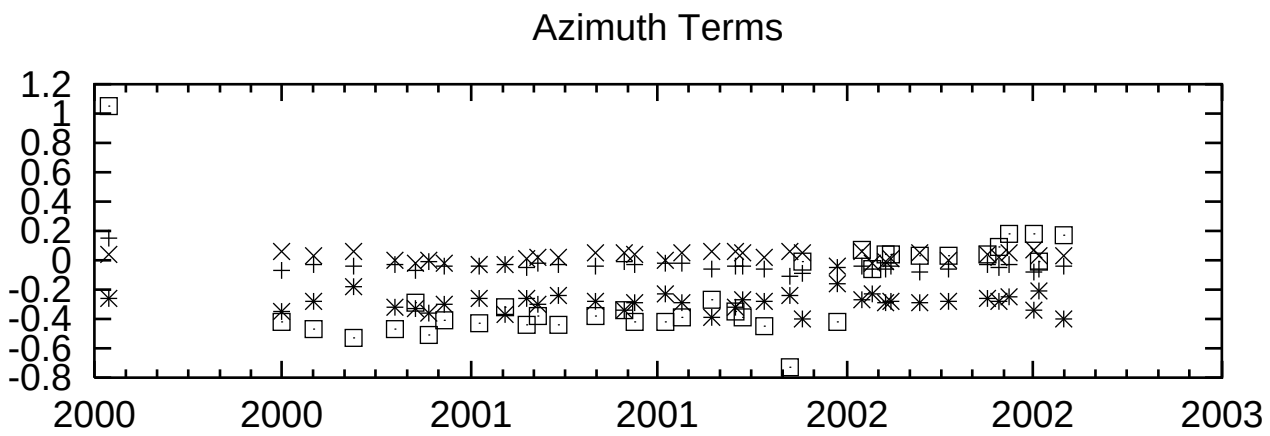

Antenna 25 Chi-Sq
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

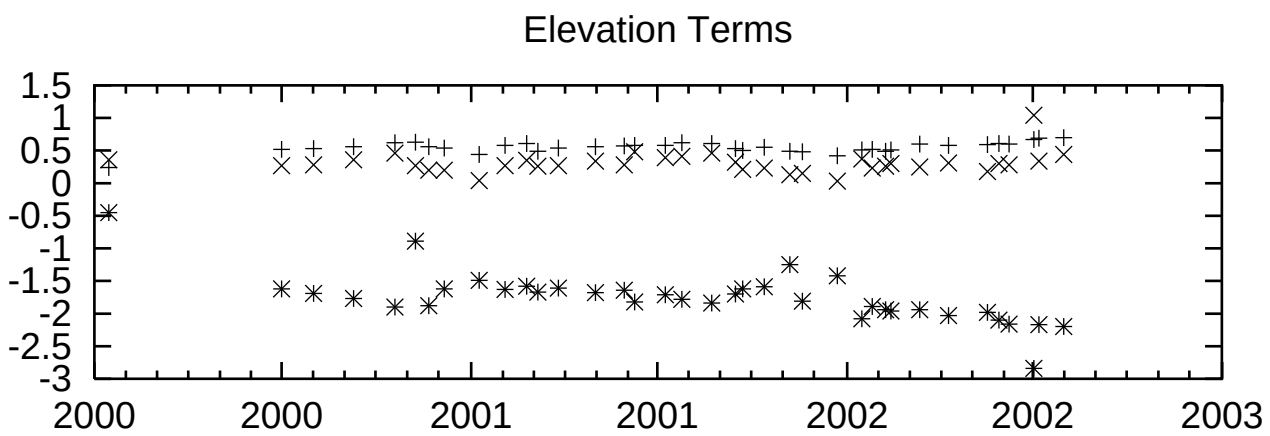

Azimuth Terms
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
2000
2000
2001
2001
2002
2002
2003

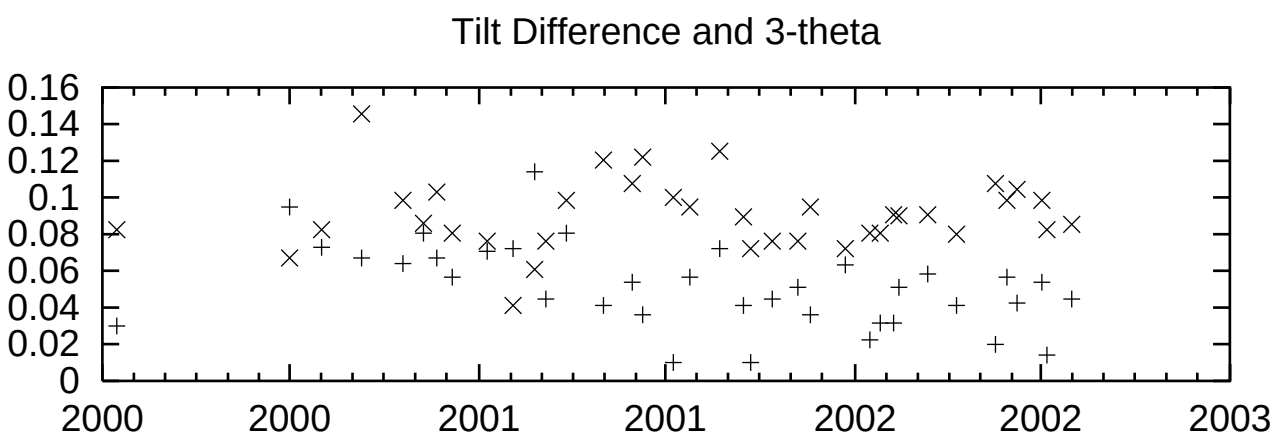

Elevation Terms
6
5
4
3
2
1
0
-1
2000
2000
2001
2001
2002
2002
2003

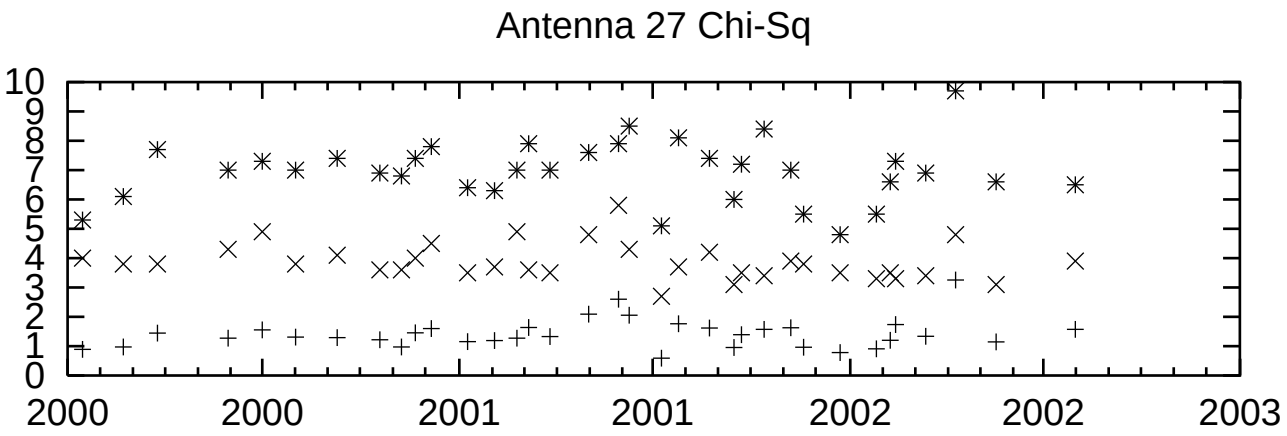

Tilt Difference and 3-theta
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

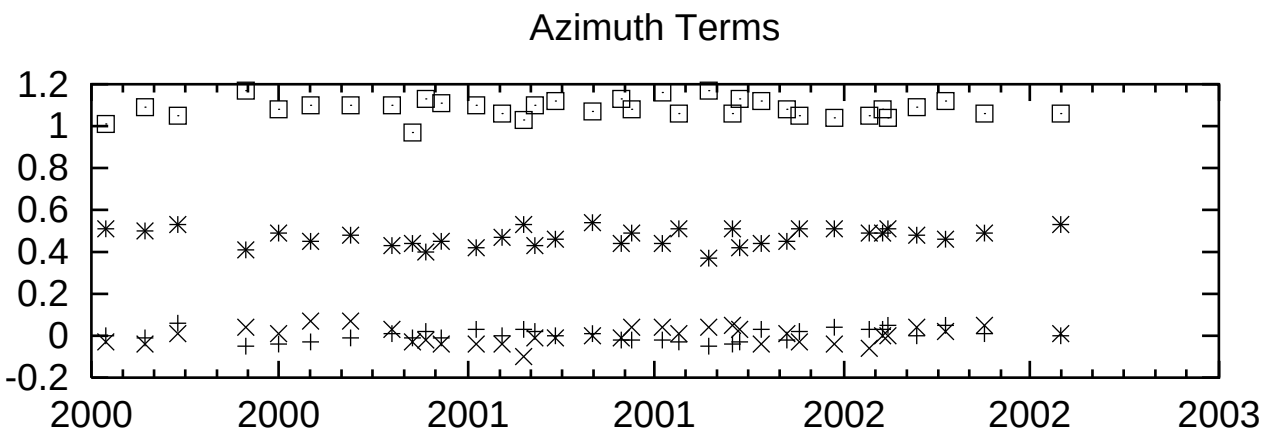

Antenna 26 Chi-Sq
10
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003

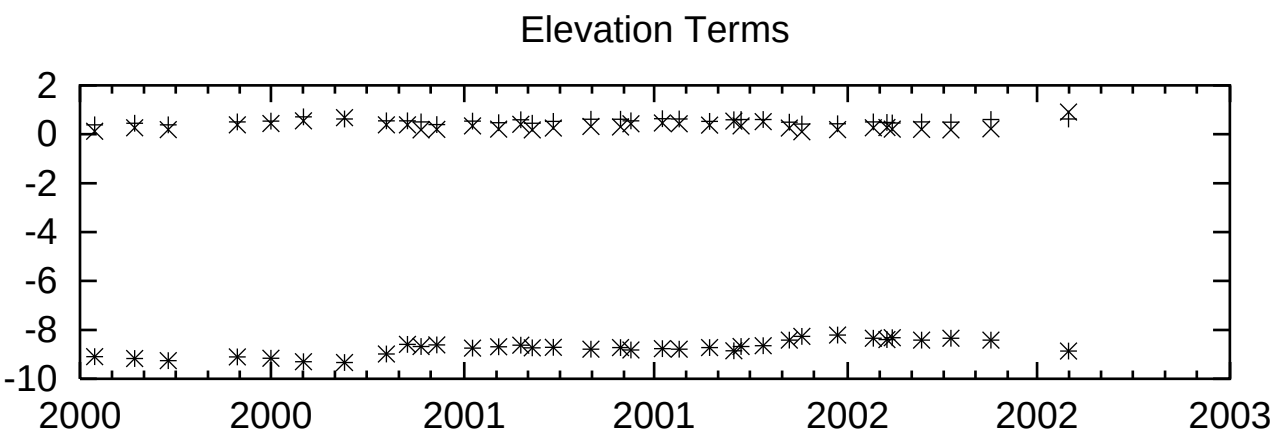

Azimuth Terms
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
2000
2000
2001
2001
2002
2002
2003

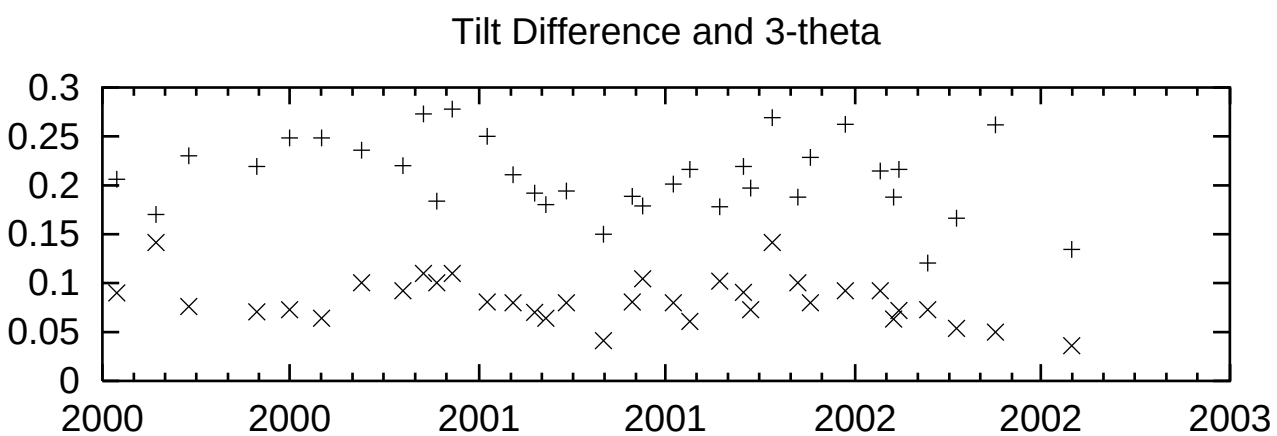

Elevation Terms
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2000
2000
2001
2001
2002
2002
2003

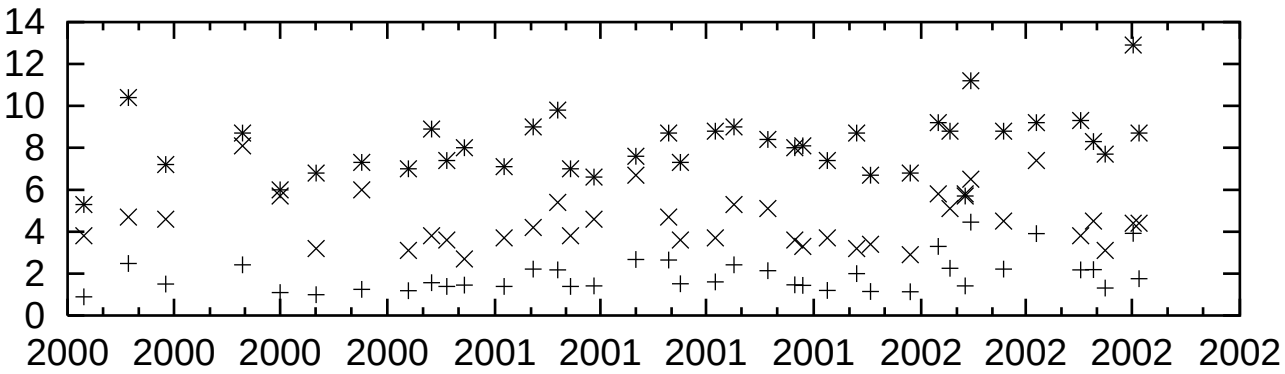

Antenna 27 Chi-Sq
10
9
8
7
6
5
4
3
2
1
0
2000
2000
2001
2001
2002
2002
2003


Azimuth Terms
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
2000
2000
2001
2001
2002
2002
2003

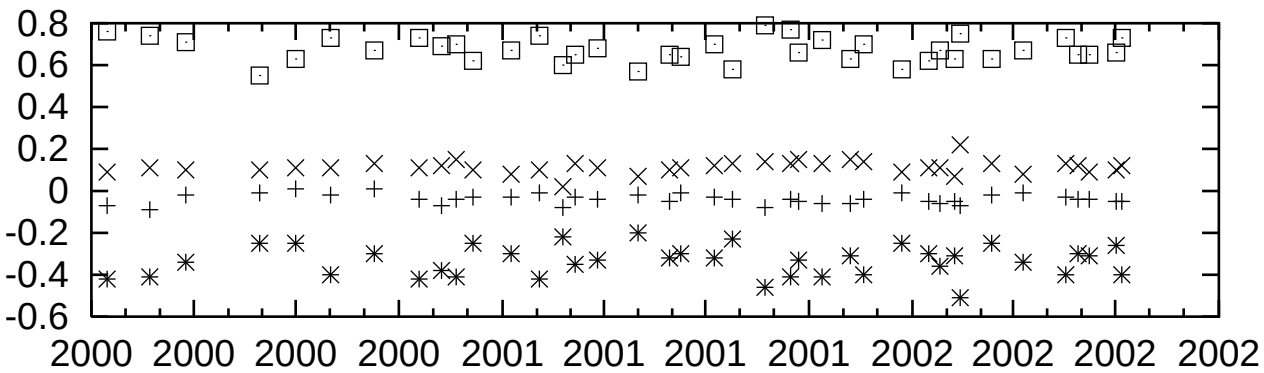

Elevation Terms
2
0
-2
-4
-6
-8
-10
2000
2000
2001
2001
2002
2002
2003


Tilt Difference and 3-theta
0.3
0.25
0.2
0.15
0.1
0.05
0
2000
2000
2001
2001
2002
2002
2003

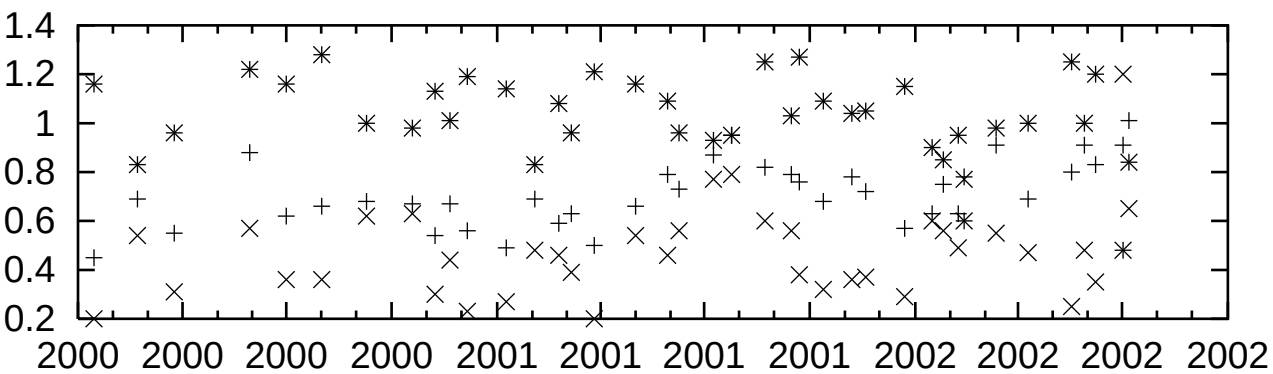
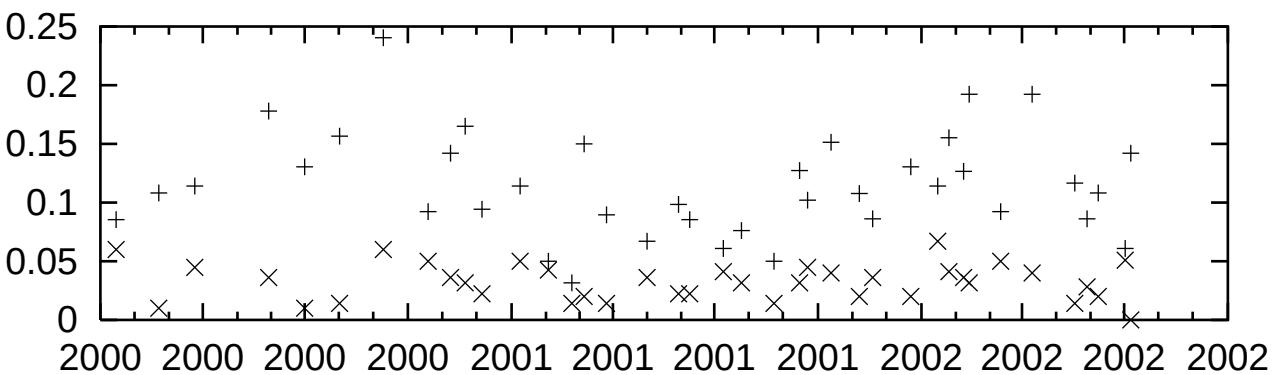
Antenna 28 Chi-Sq



Azimuth Terms



Elevation Terms



Tilt Difference and 3-theta