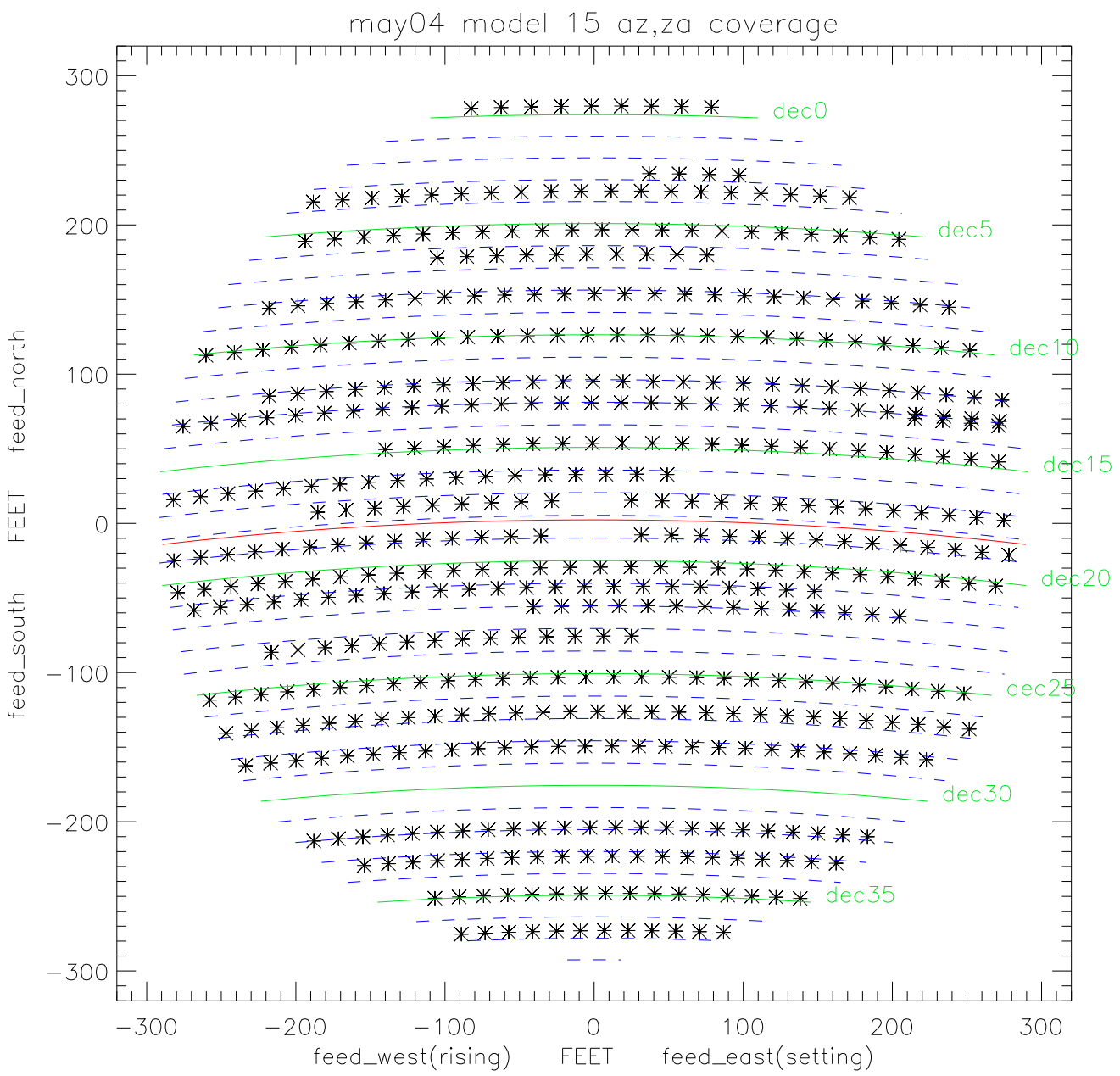
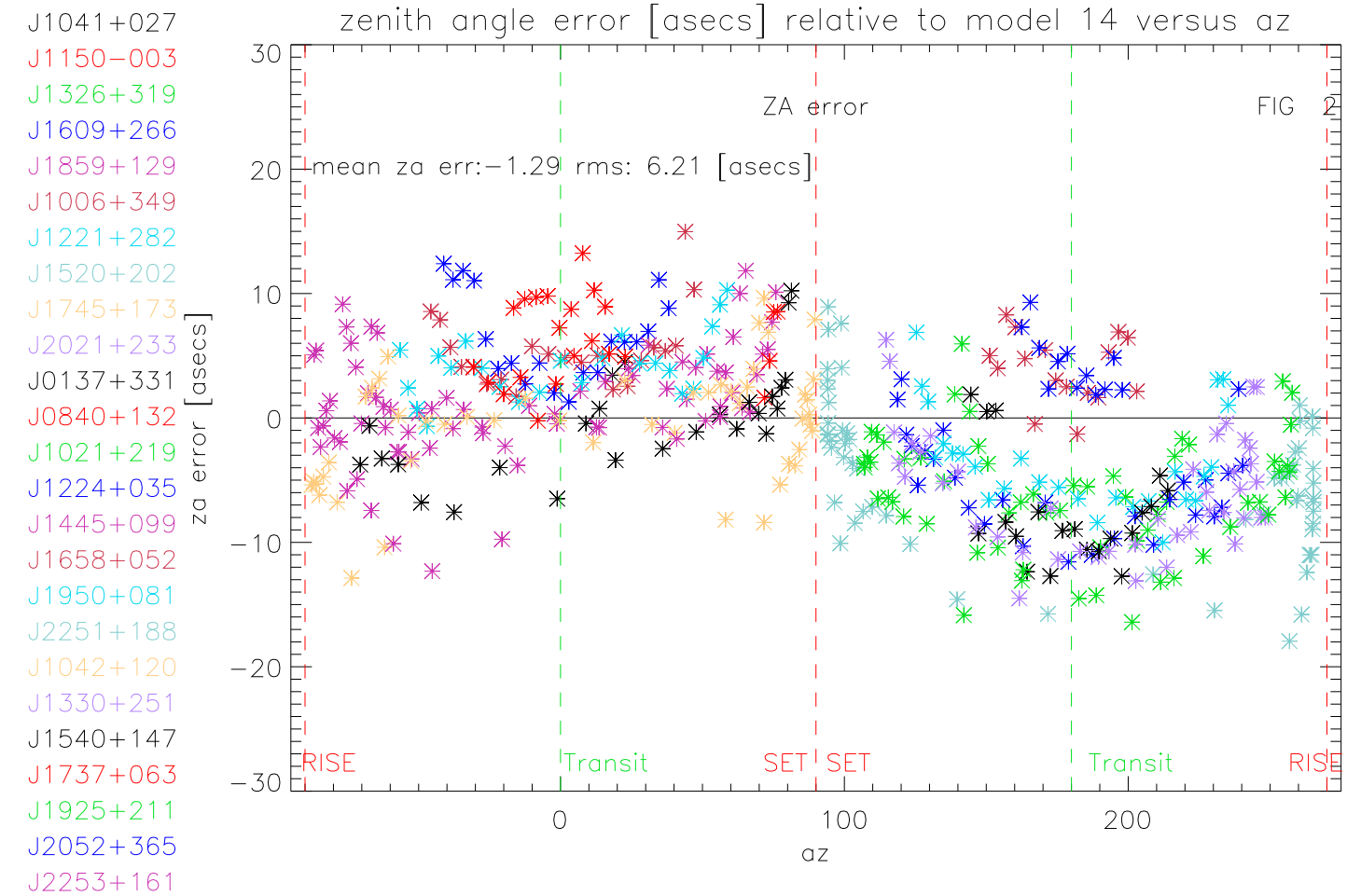
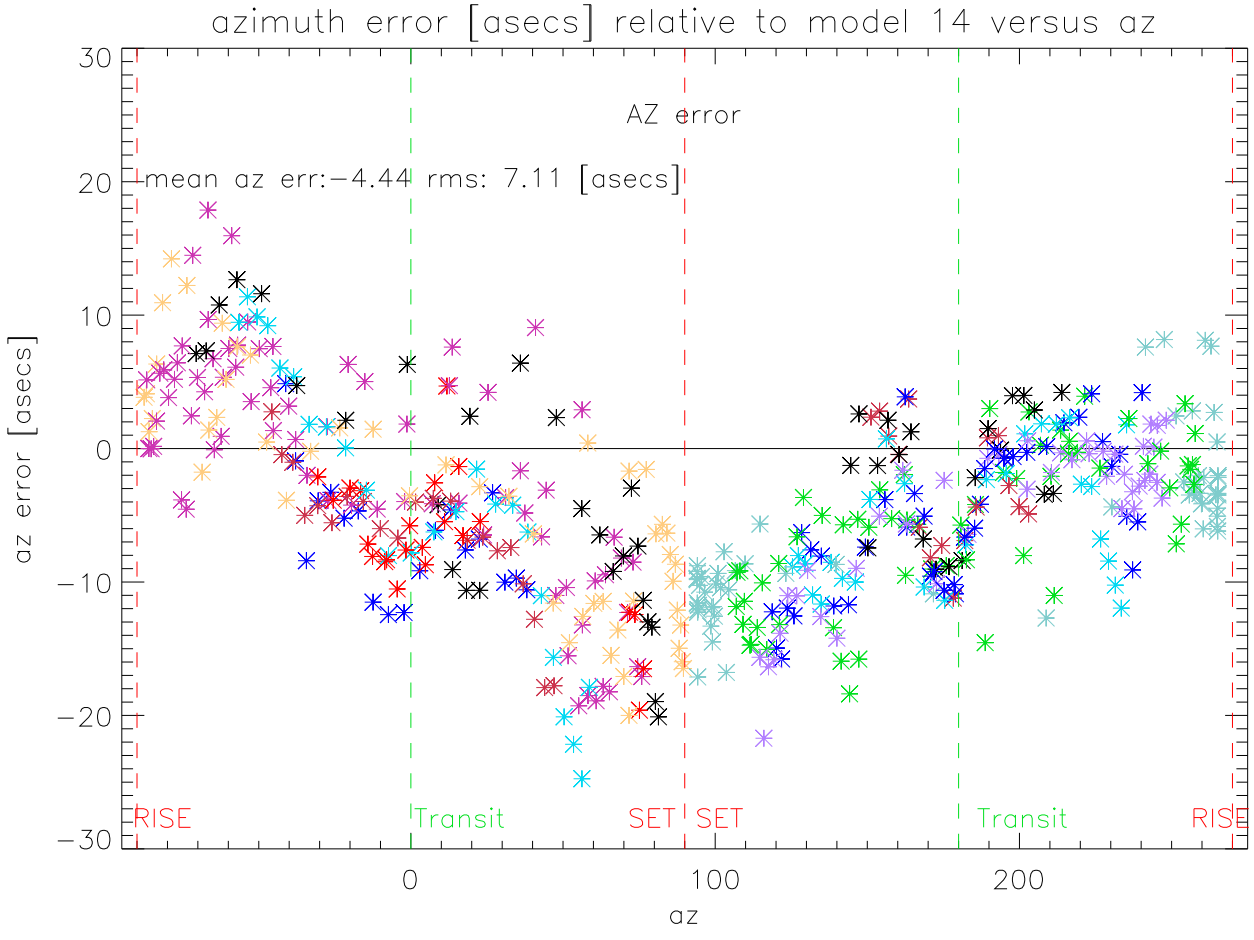
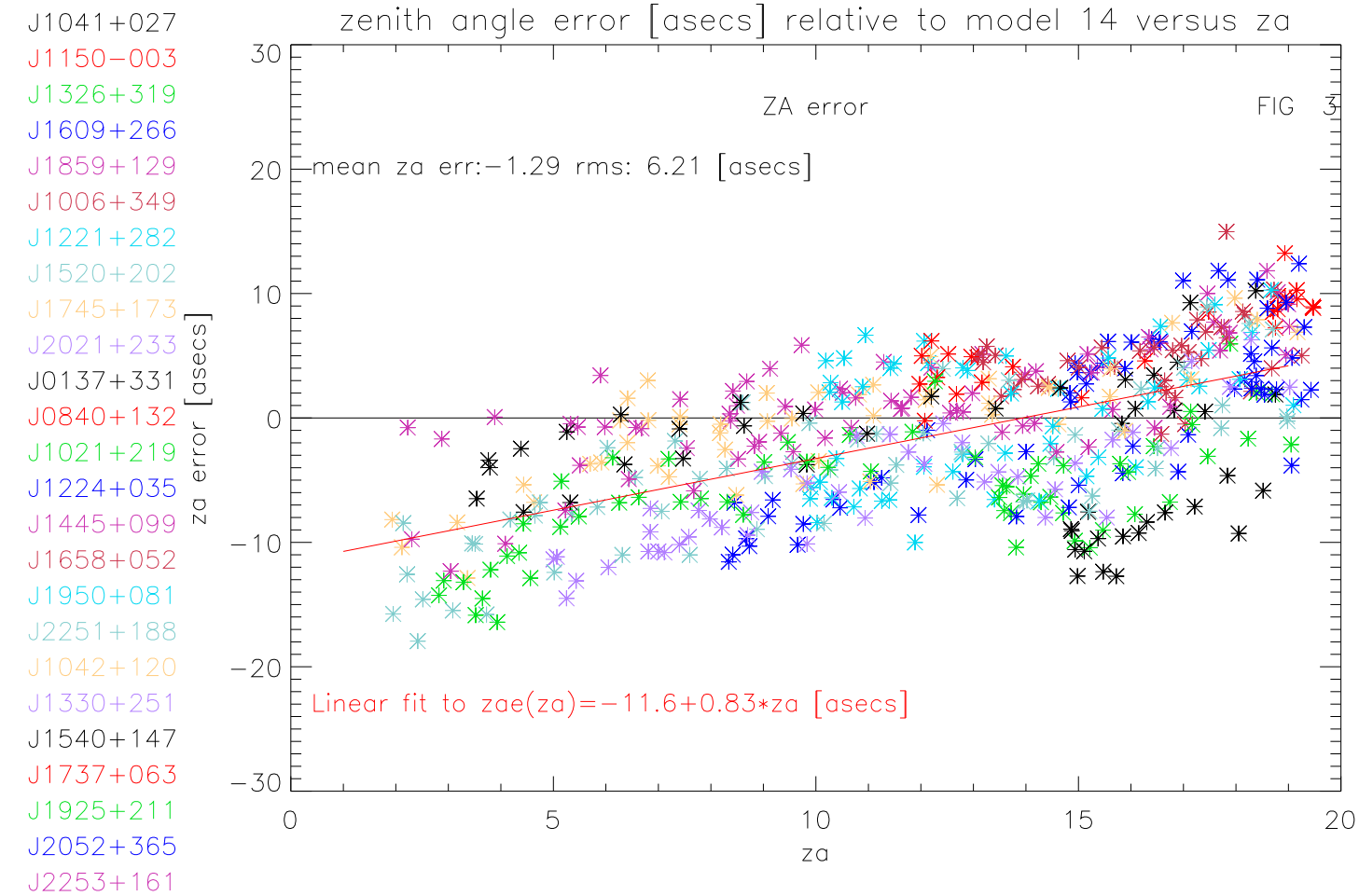
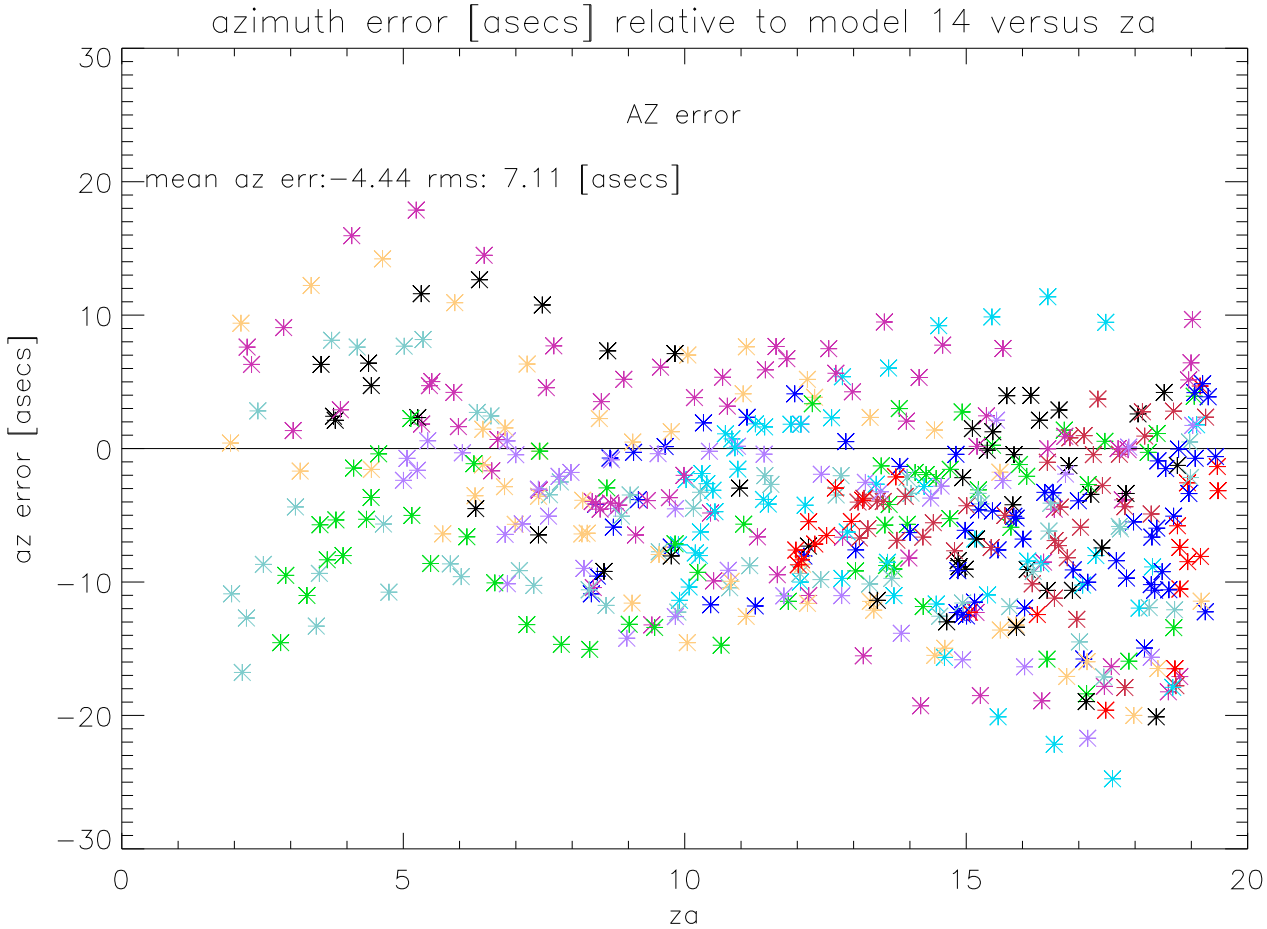


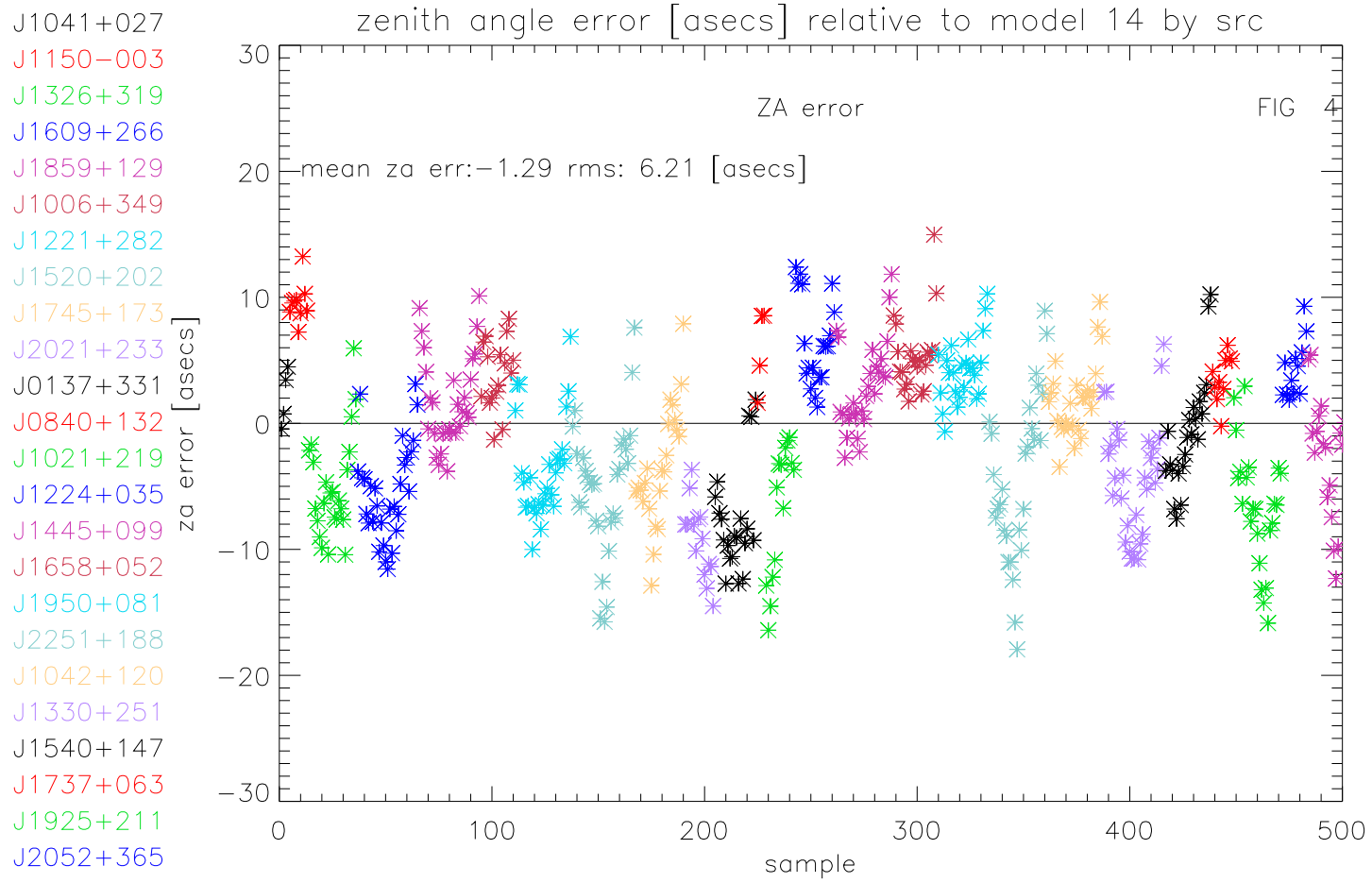
number of points: 501

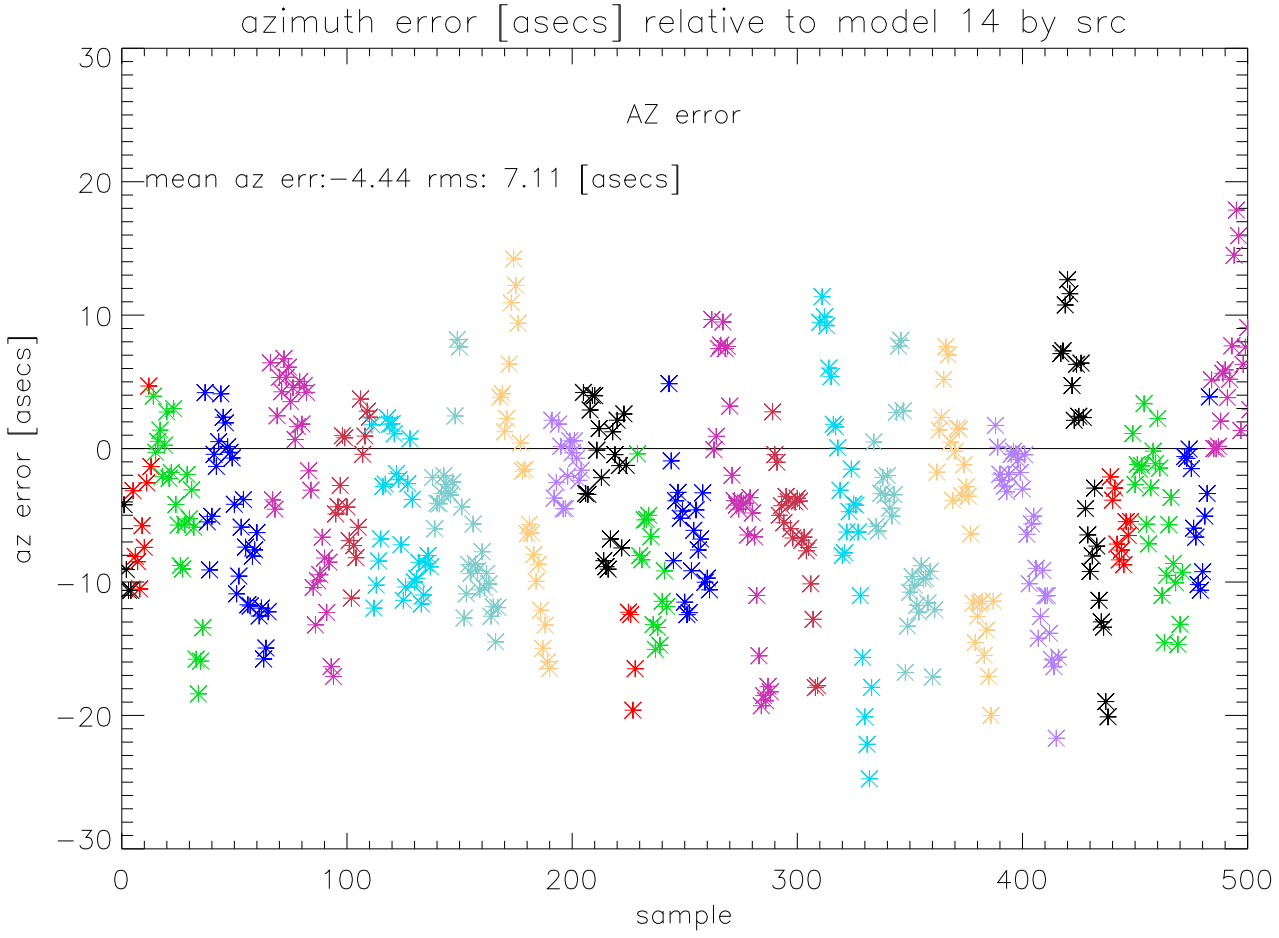

J1041+027
J1150−003
J1326+319
J1609+266
J1859+129
J1006+349
J1221+282
J1520+202
J1745+173
J2021+233
J0137+331
J0840+132
J1021+219
J1224+035
J1445+099
J1658+052
J1950+081
J2251+188
J1042+120
J1330+251
J1540+147
J1737+063
J1925+211
J2052+365
J2253+161
zenith angle error [asecs] relative to model 14 versus az
ZA error
FIG 2
mean za err:−1.29 rms: 6.21 [asecs]
za error [asecs]
az
RISE
Transit
SET
SET
Transit
RISE

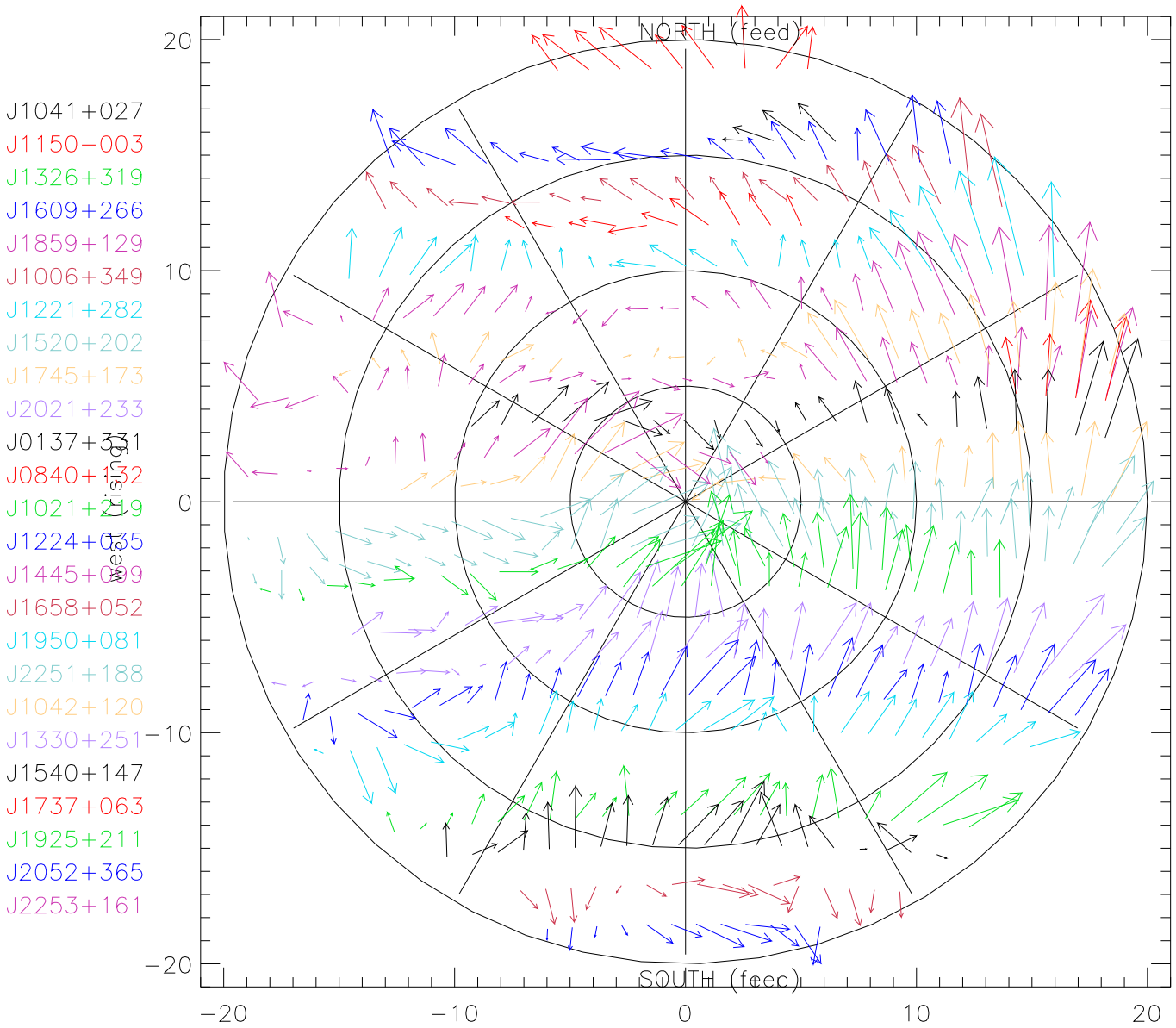

azimuth error [asecs] relative to model 14 versus az
AZ error
mean az err:−4.44 rms: 7.11 [asecs]
az error [asecs]
az
RISE
Transit
SET
SET
Transit
RISE


J1041+027
J1150−003
J1326+319
J1609+266
J1859+129
J1006+349
J1221+282
J1520+202
J1745+173
J2021+233
J0137+331
J0840+132
J1021+219
J1224+035
J1445+099
J1658+052
J1950+081
J2251+188
J1042+120
J1330+251
J1540+147
J1737+063
J1925+211
J2052+365
J2253+161
zenith angle error [asecs] relative to model 14 versus za
ZA error
FIG 3
mean za err:−1.29 rms: 6.21 [asecs]
Linear fit to zae(za)=−11.6+0.83*za [asecs]
za error [asecs]
za
30
20
10
0
−10
−20
−30
0
5
10
15
20


azimuth error [asecs] relative to model 14 versus za
AZ error
mean az err:−4.44 rms: 7.11 [asecs]
az error [asecs]
za
30
20
10
0
−10
−20
−30
0
5
10
15
20

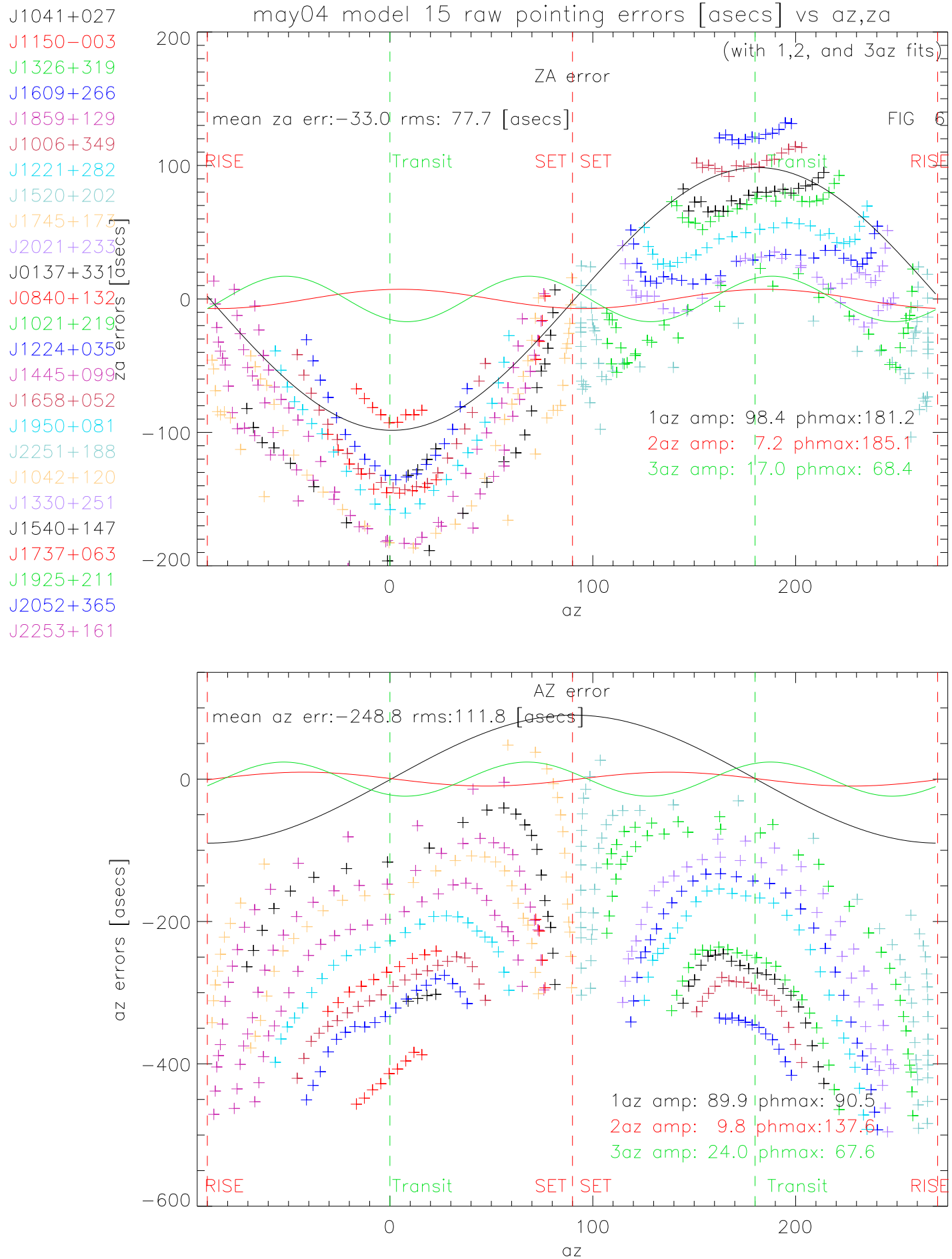

J1041+027
J1150−003
J1326+319
J1609+266
J1859+129
J1006+349
J1221+282
J1520+202
J1745+173
J2021+233
J0137+331
J0840+132
J1021+219
J1224+035
J1445+099
J1658+052
J1950+081
J2251+188
J1042+120
J1330+251
J1540+147
J1737+063
J1925+211
J2052+365
J2253+161
zenith angle error [asecs] relative to model 14 by src
ZA error
FIG 4
mean za err:−1.29 rms: 6.21 [asecs]
za error [asecs]
sample
30
20
10
0
−10
−20
−30
0
100
200
300
400
500

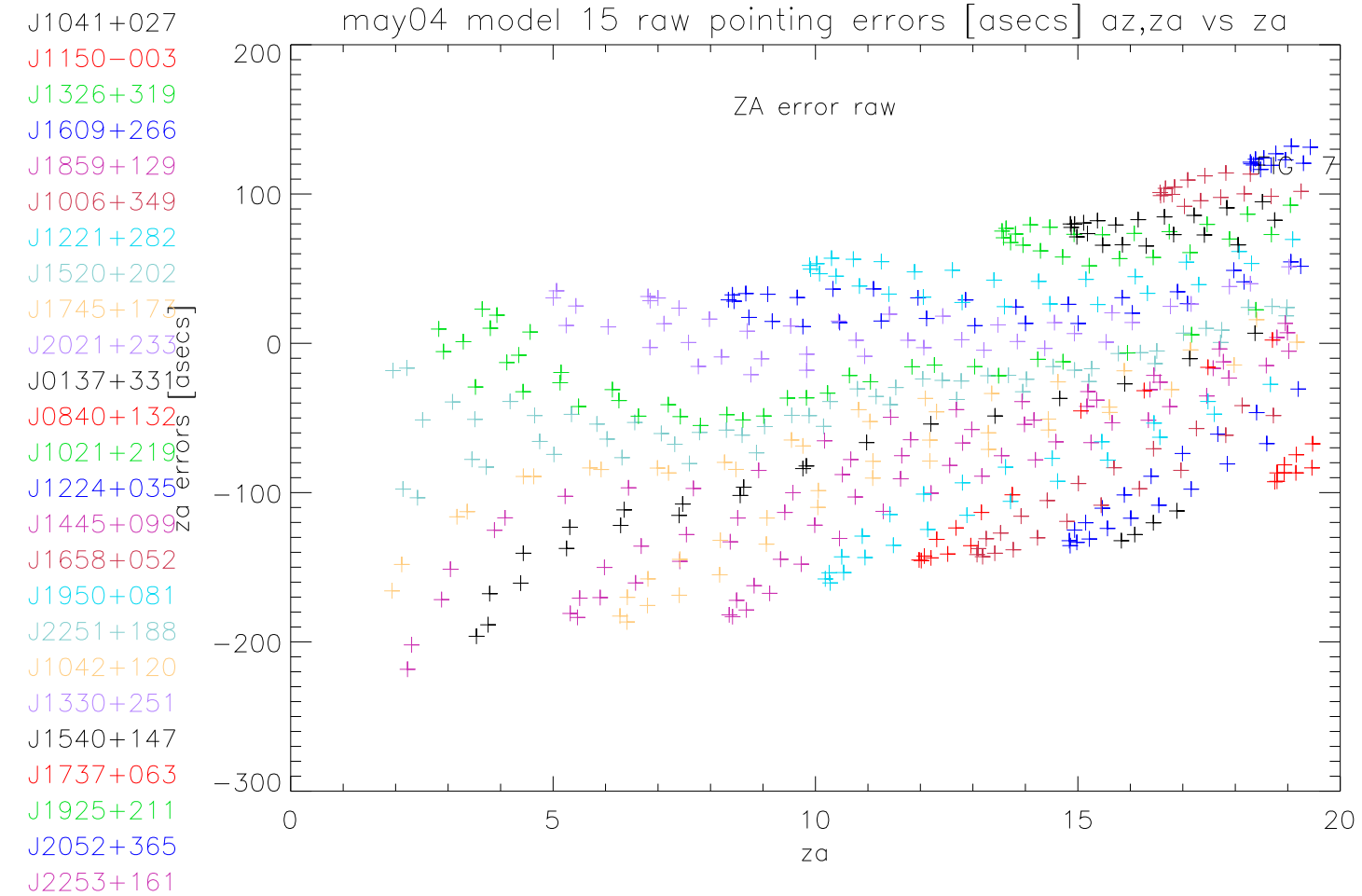

azimuth error [asecs] relative to model 14 by src
AZ error
mean az err:−4.44 rms: 7.11 [asecs]
az error [asecs]
sample
30
20
10
0
−10
−20
−30
0
100
200
300
400
500

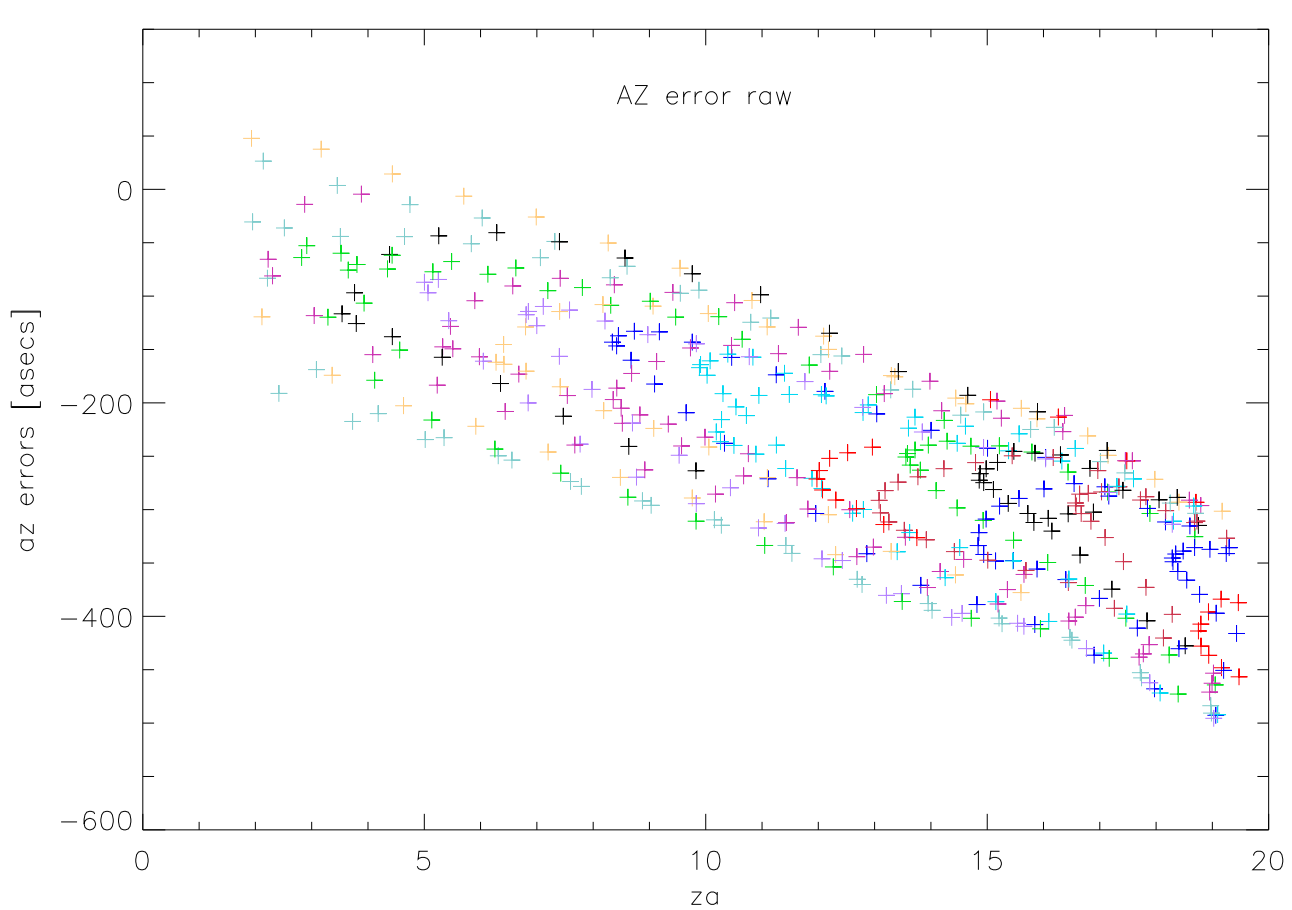


may04 pointing errors input to model 15 (relative to model 14) vs az,za
1 div= 5.00Asecs
errors each 5.0deg

za	max	avg	rms
all	26.4	9.4	4.6
5	20.4	13.0	4.8
10	19.4	8.6	4.0
15	19.6	8.3	3.3
20	26.4	10.2	5.5


may04 model 15 raw pointing errors [asecs] vs az,za
(with 1,2, and 3az fits)
ZA error
mean za err:−33.0 rms: 77.7 [asecs]
FIG 6
RISE
Transit
SET
SET
Transit
RISE
1az amp: 98.4 phmax:181.2
2az amp: 7.2 phmax:185.1
3az amp: 17.0 phmax: 68.4
za errors [asecs]
az
AZ error
mean az err:−248.8 rms:111.8 [asecs]
1az amp: 89.9 phmax: 90.5
2az amp: 9.8 phmax:137.6
3az amp: 24.0 phmax: 67.6
az errors [asecs]
az
J1041+027
J1150−003
J1326+319
J1609+266
J1859+129
J1006+349
J1221+282
J1520+202
J1745+173
J2021+233
J0137+331
J0840+132
J1021+219
J1224+035
J1445+099
J1658+052
J1950+081
J2251+188
J1042+120
J1330+251
J1540+147
J1737+063
J1925+211
J2052+365
J2253+161


may04 model 15 raw pointing errors [asecs] az,za vs za
ZA error raw
za errors [asecs]
za
J1041+027
J1150−003
J1326+319
J1609+266
J1859+129
J1006+349
J1221+282
J1520+202
J1745+173
J2021+233
J0137+331
J0840+132
J1021+219
J1224+035
J1445+099
J1658+052
J1950+081
J2251+188
J1042+120
J1330+251
J1540+147
J1737+063
J1925+211
J2052+365
J2253+161


AZ error raw
az errors [asecs]
za