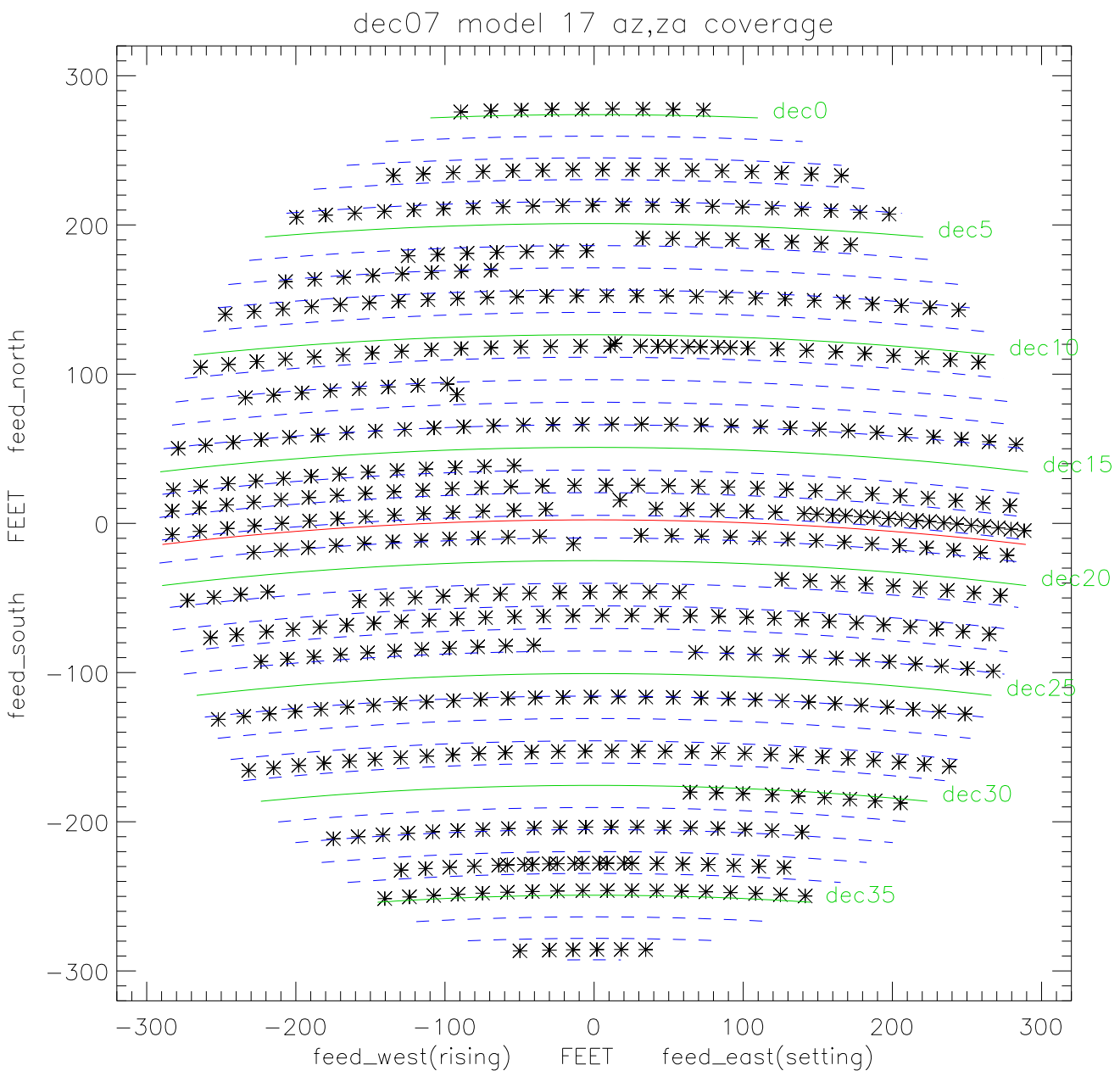
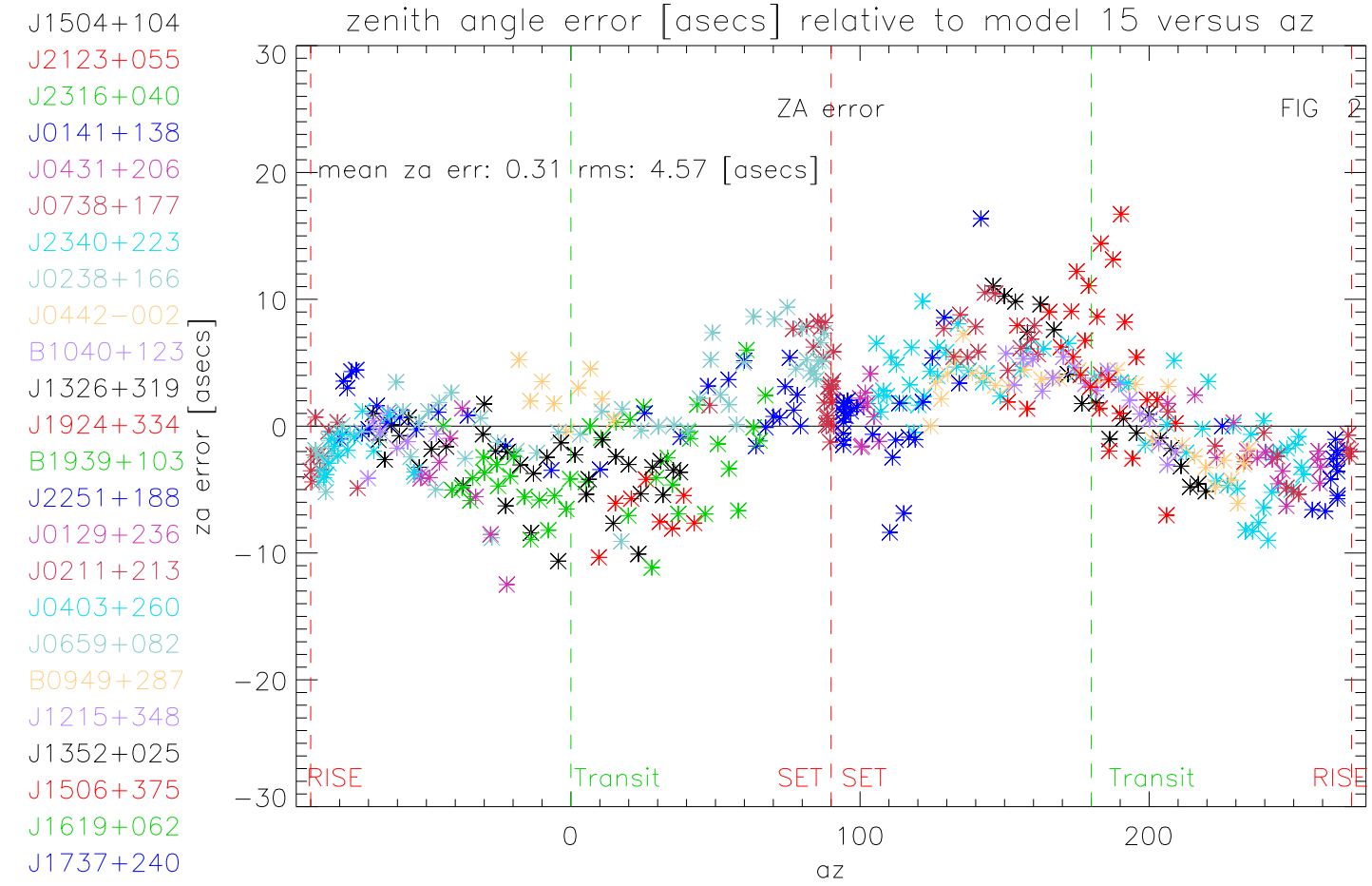
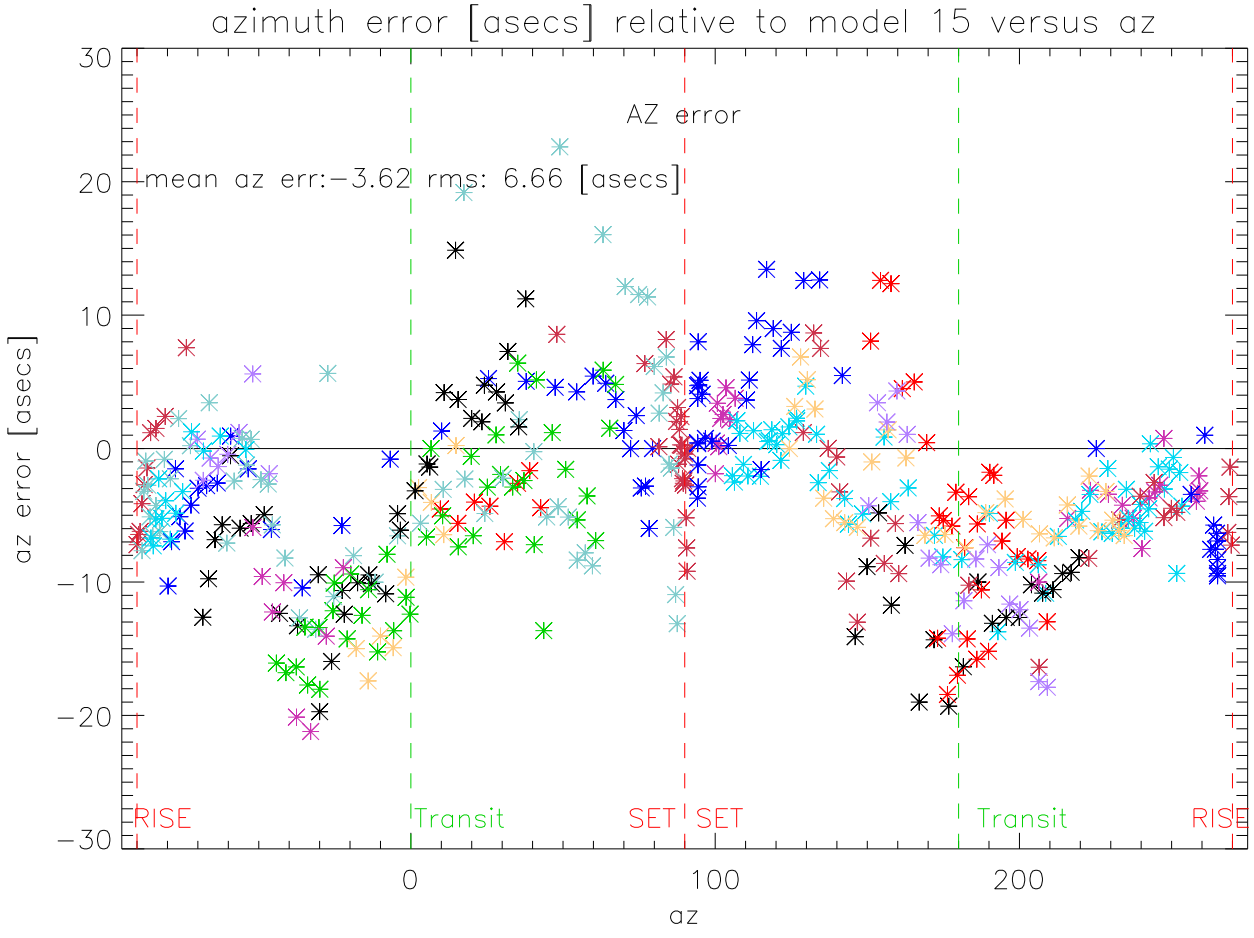
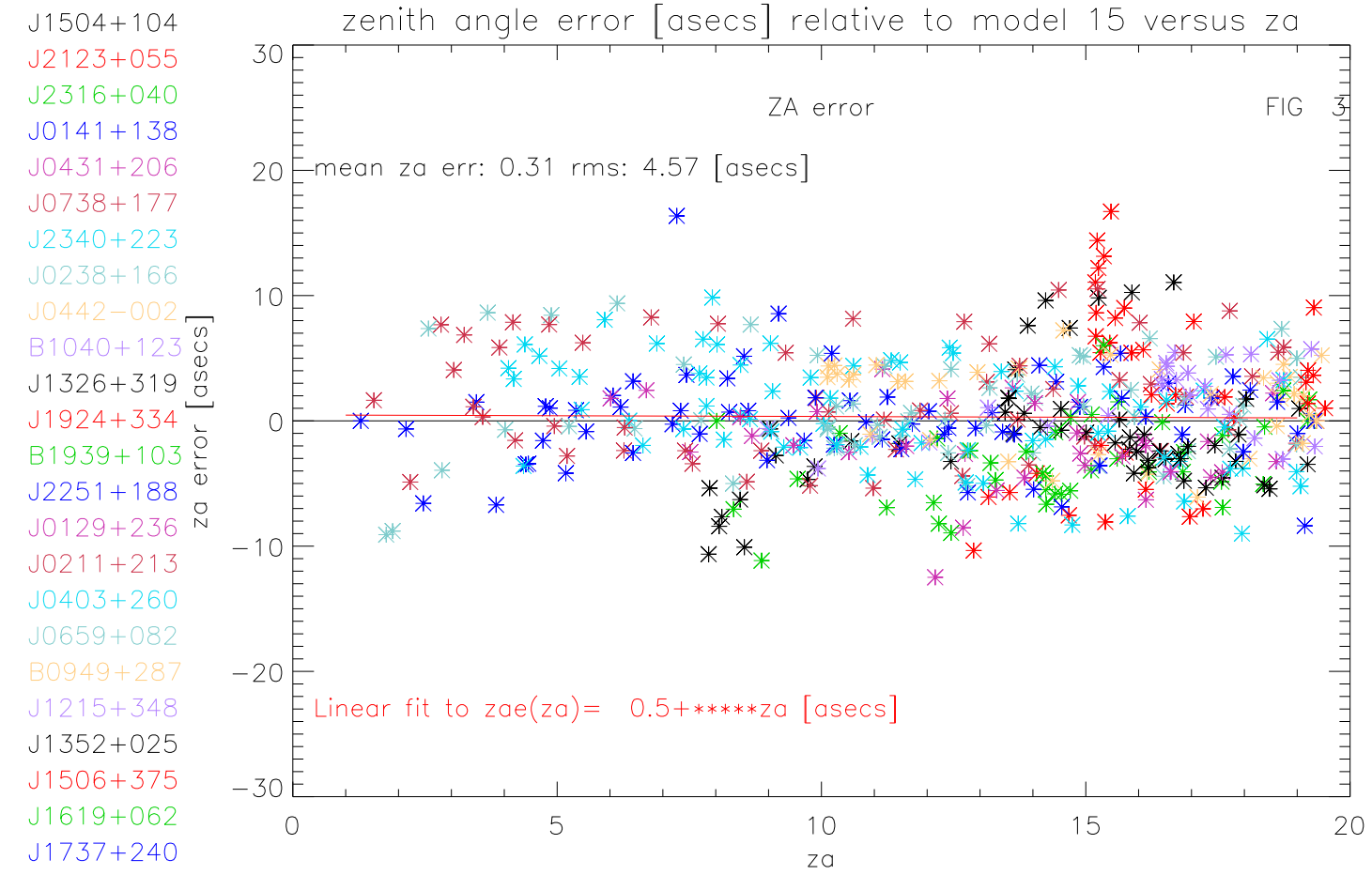
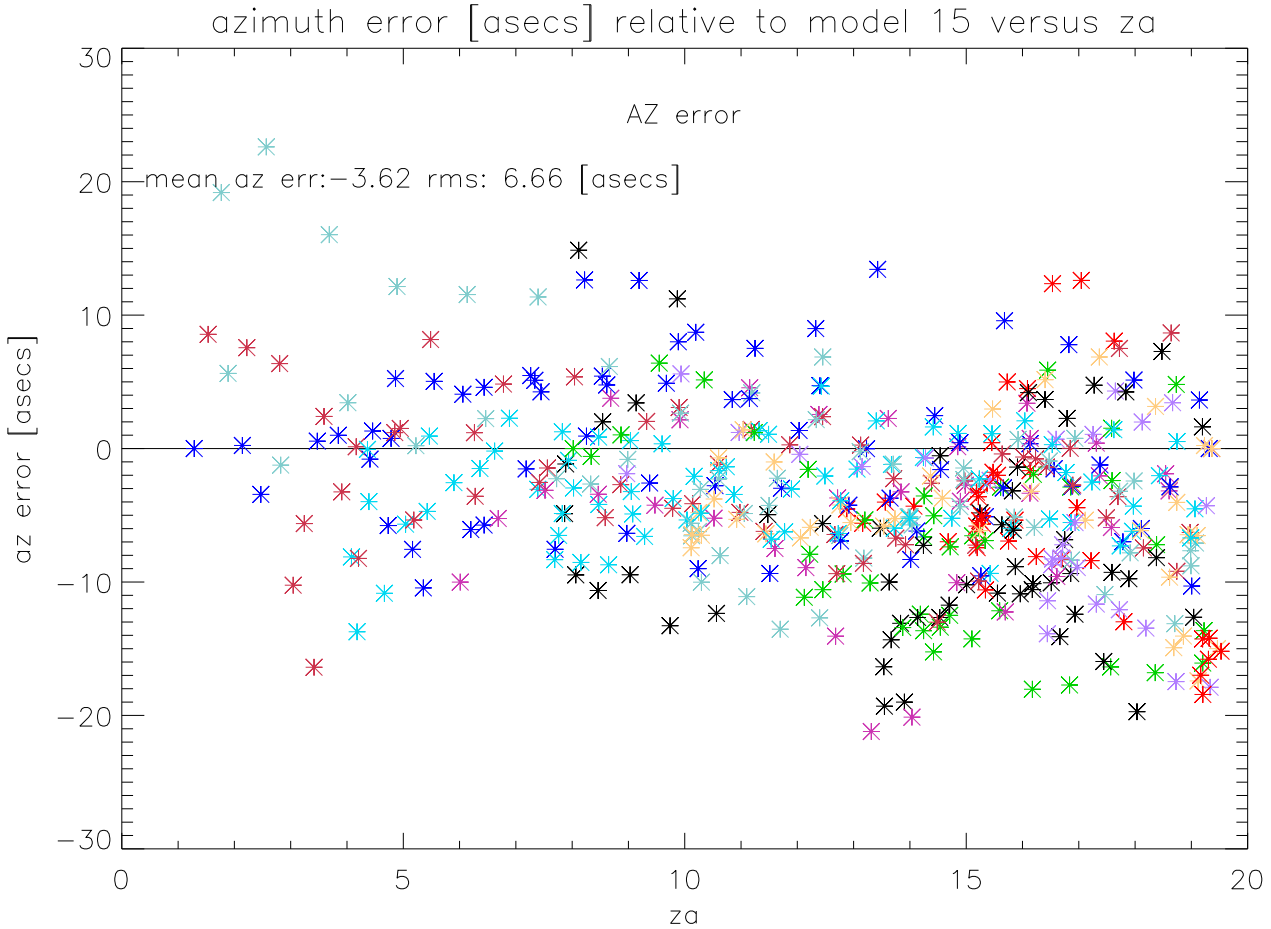


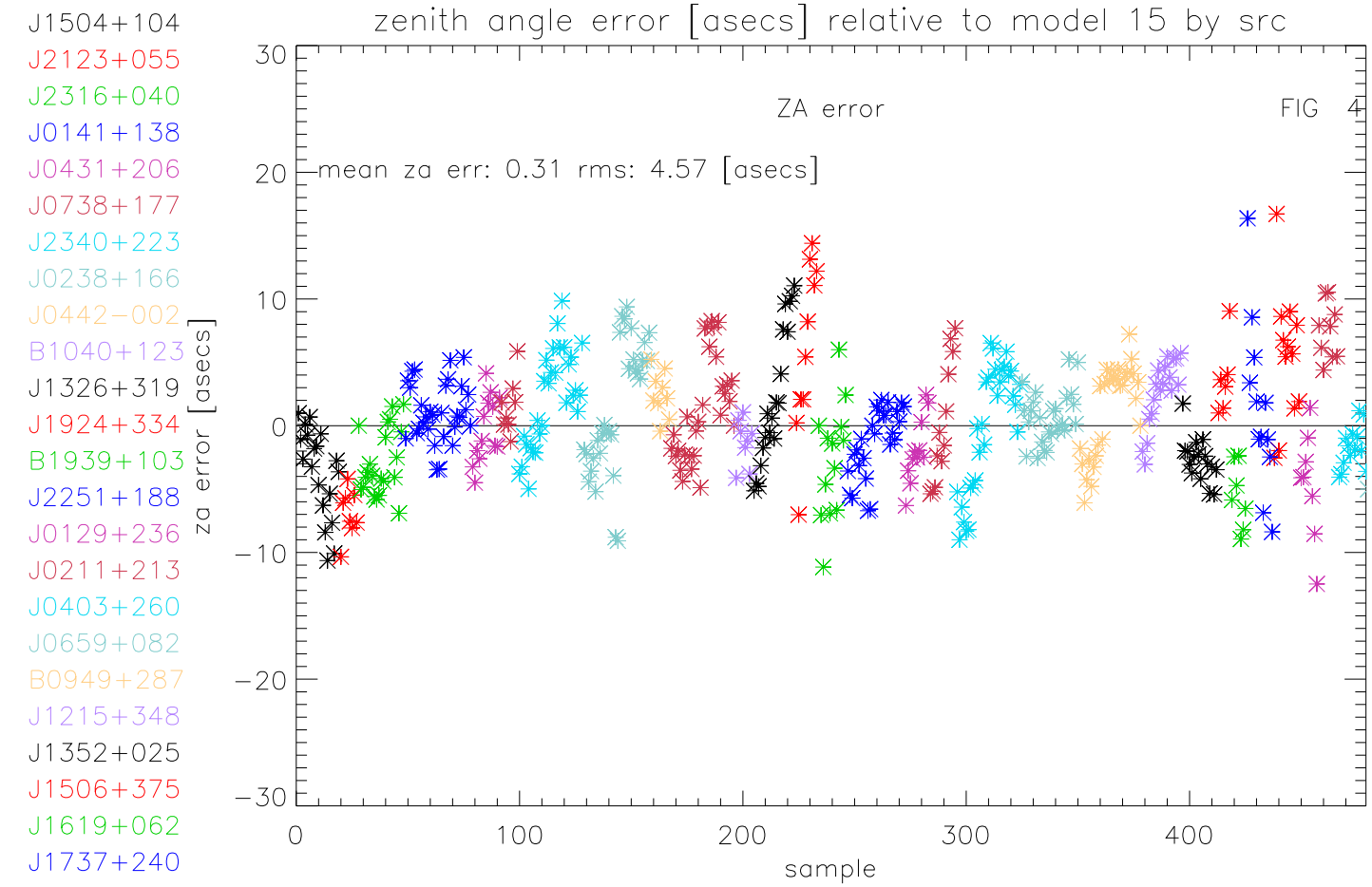
number of points: 480

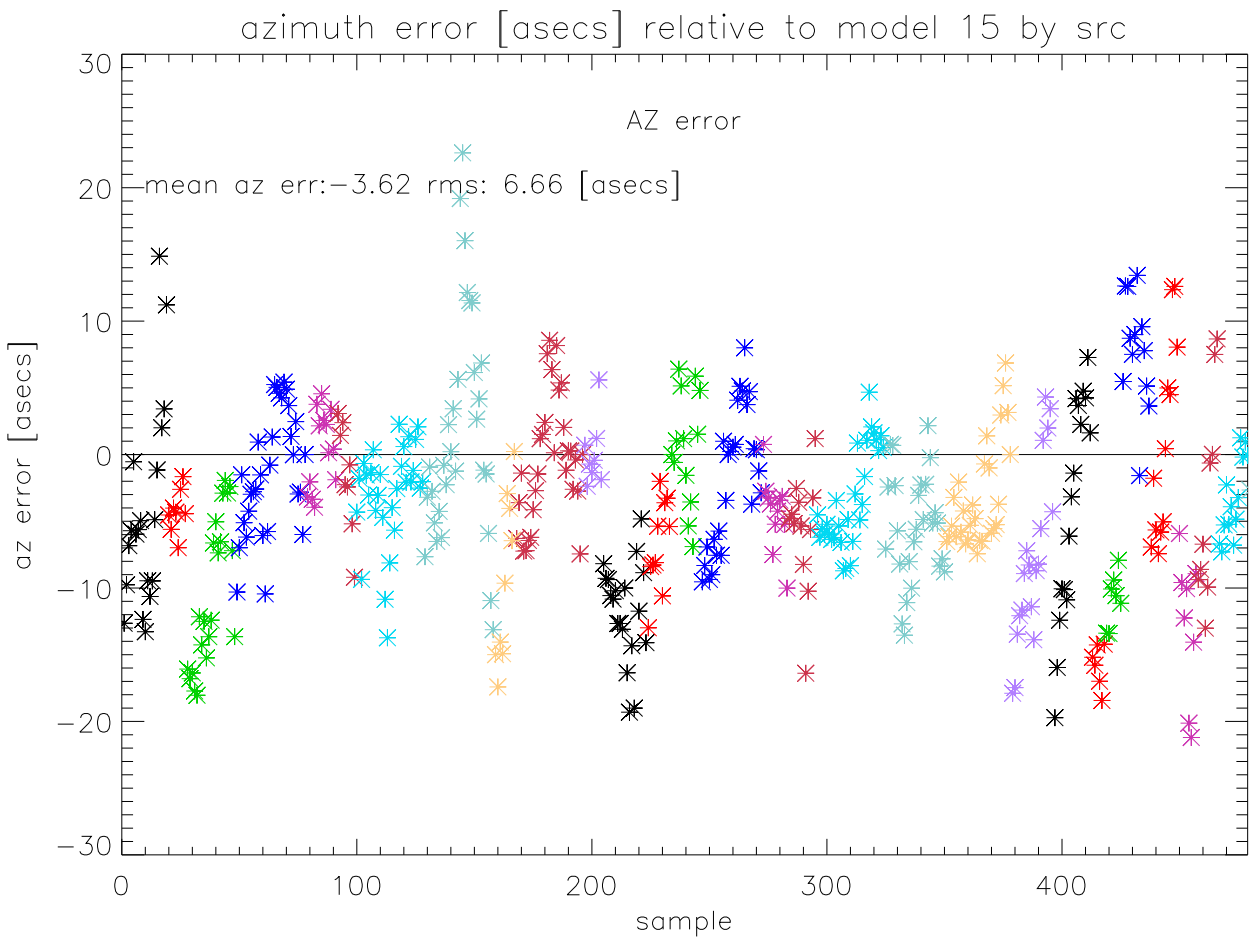

J1504+104
J2123+055
J2316+040
J0141+138
J0431+206
J0738+177
J2340+223
J0238+166
J0442−002
B1040+123
J1326+319
J1924+334
B1939+103
J2251+188
J0129+236
J0211+213
J0403+260
J0659+082
B0949+287
J1215+348
J1352+025
J1506+375
J1619+062
J1737+240
J2148+069
J2123+302
J0020+156
J0038+124
zenith angle error [asecs] relative to model 15 versus az
ZA error
FIG 2
mean za err: 0.31 rms: 4.57 [asecs]
za error [asecs]
30
20
10
0
−10
−20
−30
RISE
Transit
SET
SET
Transit
RISE
0
100
200
az

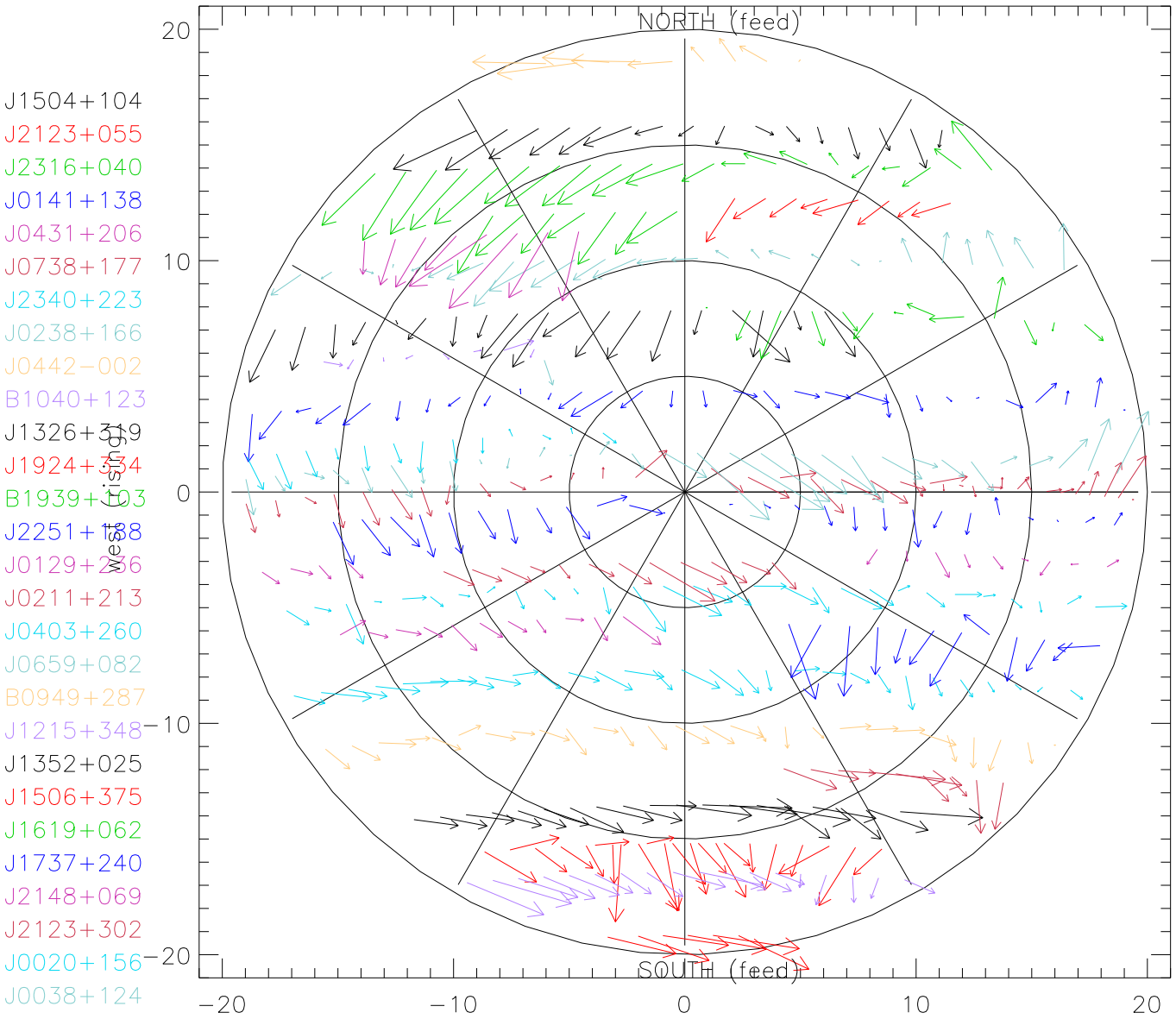

azimuth error [asecs] relative to model 15 versus az
AZ error
mean az err:−3.62 rms: 6.66 [asecs]
az error [asecs]
30
20
10
0
−10
−20
−30
RISE
Transit
SET
SET
Transit
RISE
0
100
200
az


J1504+104
J2123+055
J2316+040
J0141+138
J0431+206
J0738+177
J2340+223
J0238+166
J0442−002
B1040+123
J1326+319
J1924+334
B1939+103
J2251+188
J0129+236
J0211+213
J0403+260
J0659+082
B0949+287
J1215+348
J1352+025
J1506+375
J1619+062
J1737+240
J2148+069
J2123+302
J0020+156
J0038+124
zenith angle error [asecs] relative to model 15 versus za
ZA error
FIG 3
mean za err: 0.31 rms: 4.57 [asecs]
Linear fit to zae(za)= 0.5+*****za [asecs]
za error [asecs]
za
30
20
10
0
−10
−20
−30
0
5
10
15
20


azimuth error [asecs] relative to model 15 versus za
AZ error
mean az err:−3.62 rms: 6.66 [asecs]
az error [asecs]
za
30
20
10
0
−10
−20
−30
0
5
10
15
20

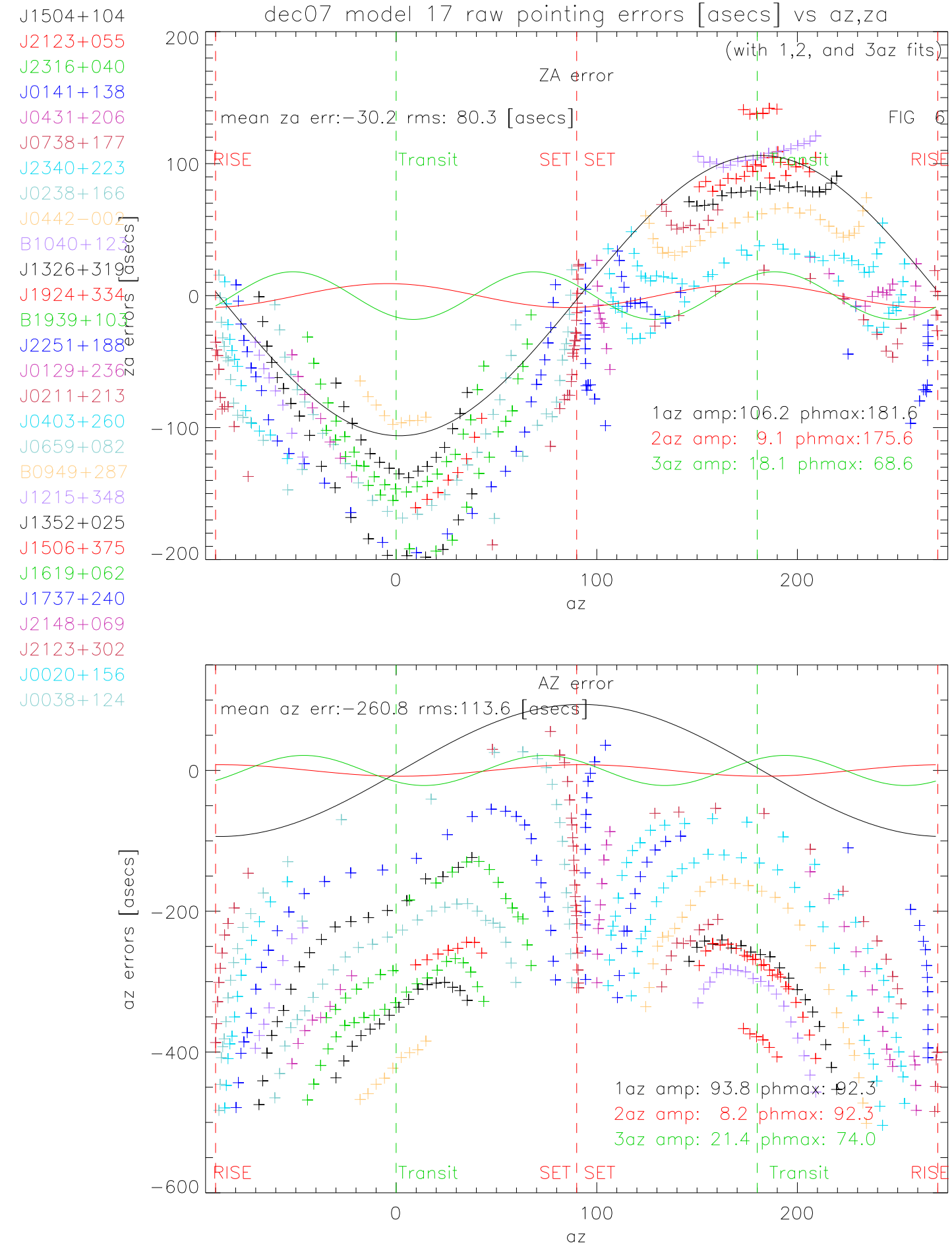

J1504+104
J2123+055
J2316+040
J0141+138
J0431+206
J0738+177
J2340+223
J0238+166
J0442−002
B1040+123
J1326+319
J1924+334
B1939+103
J2251+188
J0129+236
J0211+213
J0403+260
J0659+082
B0949+287
J1215+348
J1352+025
J1506+375
J1619+062
J1737+240
J2148+069
J2123+302
J0020+156
J0038+124
zenith angle error [asecs] relative to model 15 by src
ZA error
FIG 4
mean za err: 0.31 rms: 4.57 [asecs]
za error [asecs]
sample
30
20
10
0
−10
−20
−30
0
100
200
300
400

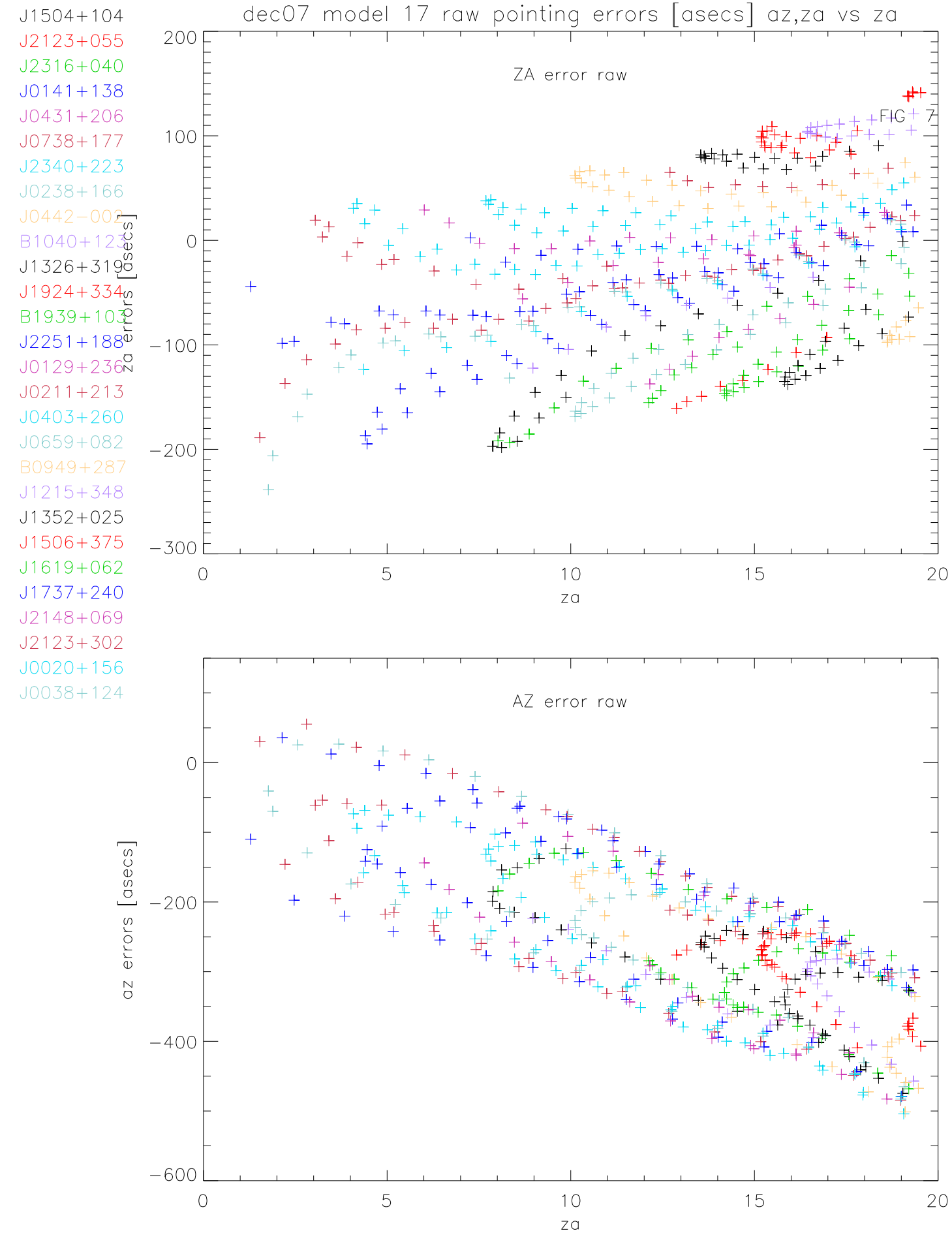

azimuth error [asecs] relative to model 15 by src
AZ error
mean az err:−3.62 rms: 6.66 [asecs]
az error [asecs]
sample
30
20
10
0
−10
−20
−30
0
100
200
300
400



dec07 pointing errors input to model 17 (relative to model 15) vs az,za
1 div= 5.00Asecs
errors each 5.0deg

za	max	avg	rms
all	23.8	7.6	4.5
5	23.8	8.2	5.8
10	17.3	6.6	3.8
15	21.9	7.2	4.4
20	19.8	8.4	4.6


J1504+104
J2123+055
J2316+040
J0141+138
J0431+206
J0738+177
J2340+223
J0238+166
J0442−002
B1040+123
J1326+319
J1924+334
B1939+105
J2251+188
J0129+236
J0211+213
J0403+260
J0659+082
B0949+287
J1215+348
J1352+025
J1506+375
J1619+062
J1737+240
J2148+069
J2123+302
J0020+156
J0038+124
dec07 model 17 raw pointing errors [asecs] vs az,za
(with 1,2, and 3az fits)
ZA error
mean za err:−30.2 rms: 80.3 [asecs]
FIG 6
RISE
Transit
SET
SET
Transit
RISE
1az amp:106.2 phmax:181.6
2az amp: 9.1 phmax:175.6
3az amp: 18.1 phmax: 68.6
za errors [asecs]
az
AZ error
mean az err:−260.8 rms:113.6 [asecs]
1az amp: 93.8 phmax: −92.3
2az amp: 8.2 phmax: 92.3
3az amp: 21.4 phmax: 74.0
az errors [asecs]
az


dec07 model 17 raw pointing errors [asecs] az,za vs za
ZA error raw
FIG 7
za errors [asecs]
za
AZ error raw
az errors [asecs]
za
J1504+104
J2123+055
J2316+040
J0141+138
J0431+206
J0738+177
J2340+223
J0238+166
J0442−00
B1040+12
J1326+319
J1924+334
B1939+10
J2251+188
J0129+236
J0211+213
J0403+260
J0659+082
B0949+287
J1215+348
J1352+025
J1506+375
J1619+062
J1737+240
J2148+069
J2123+302
J0020+156
J0038+124