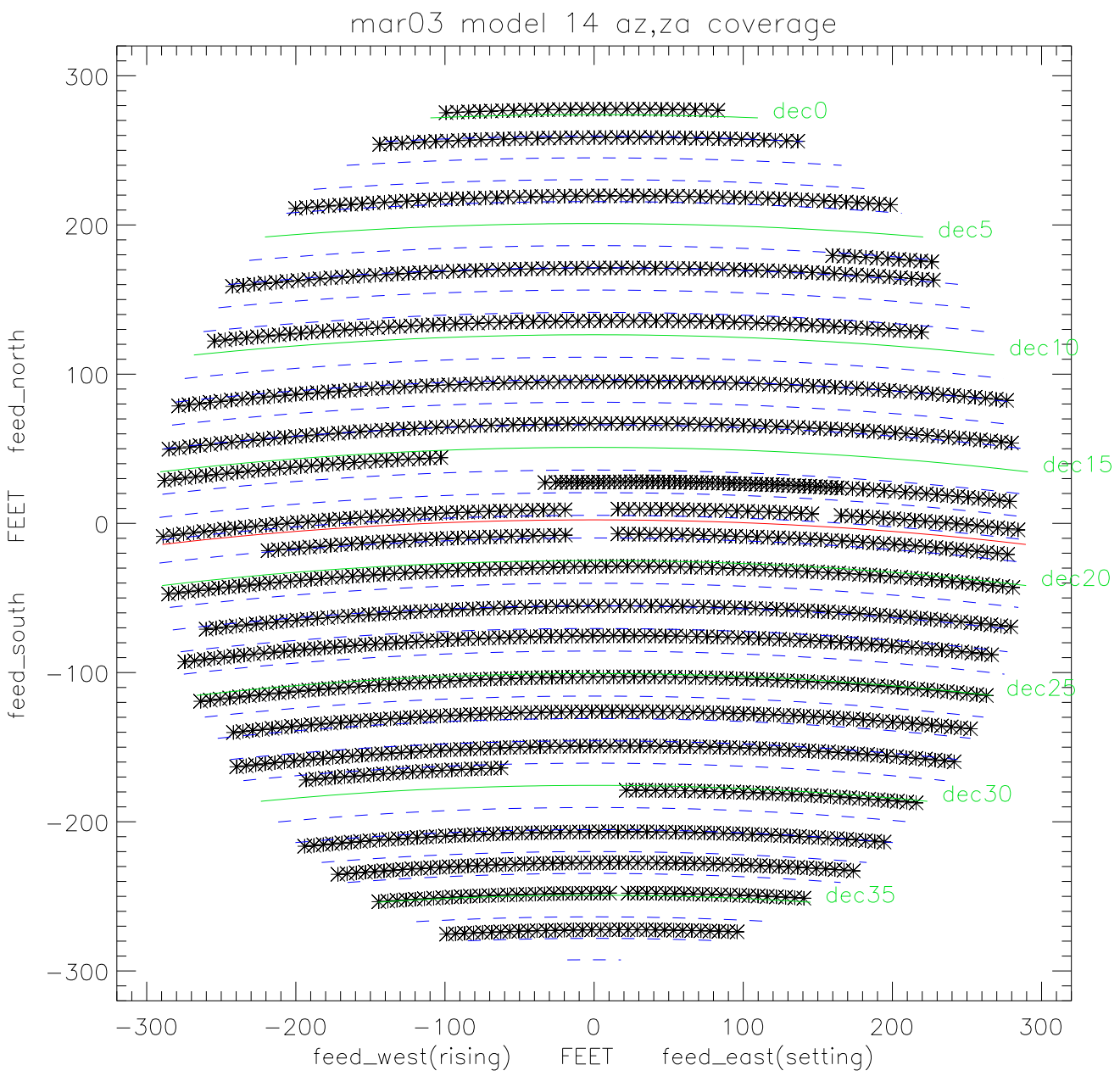
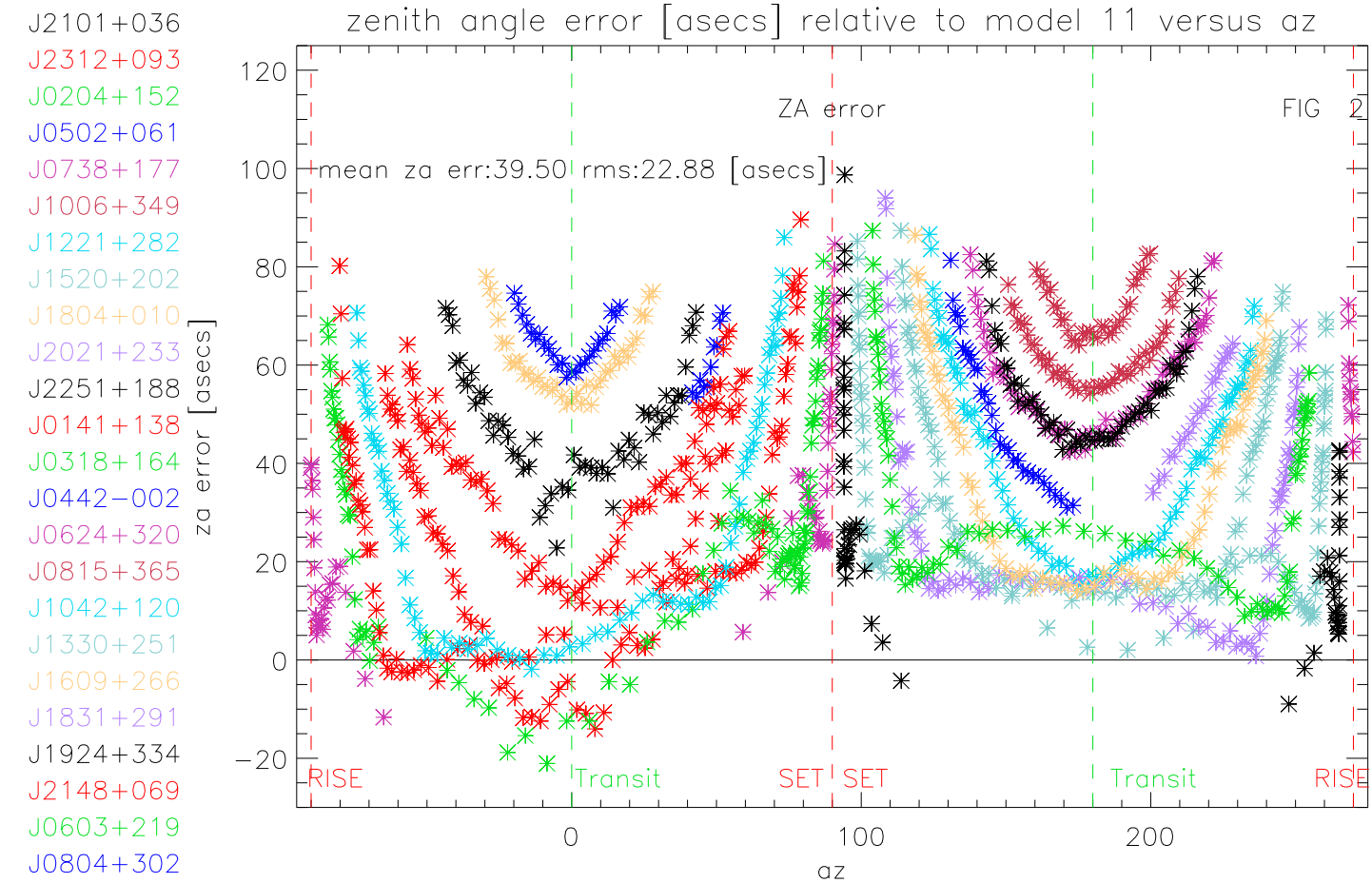
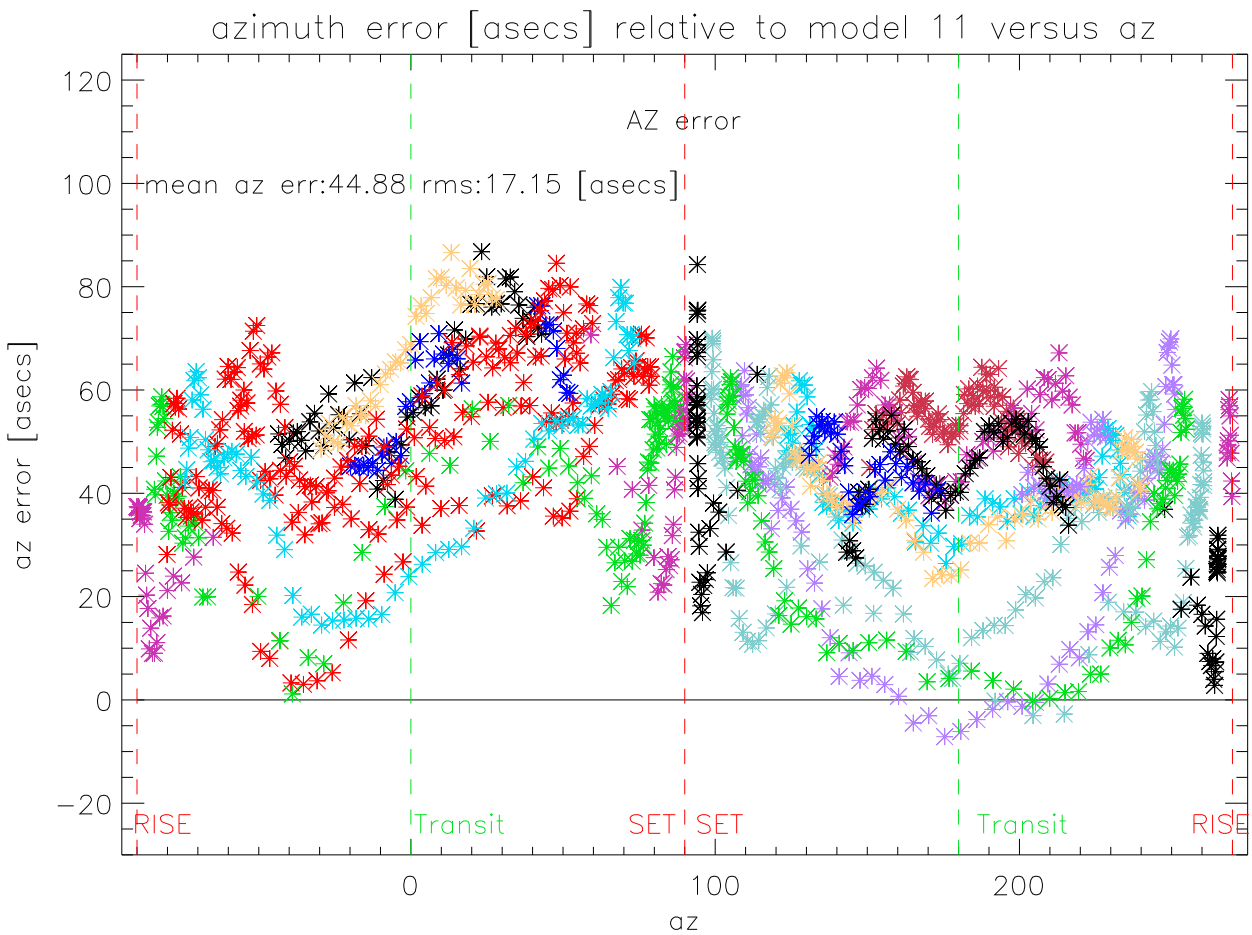
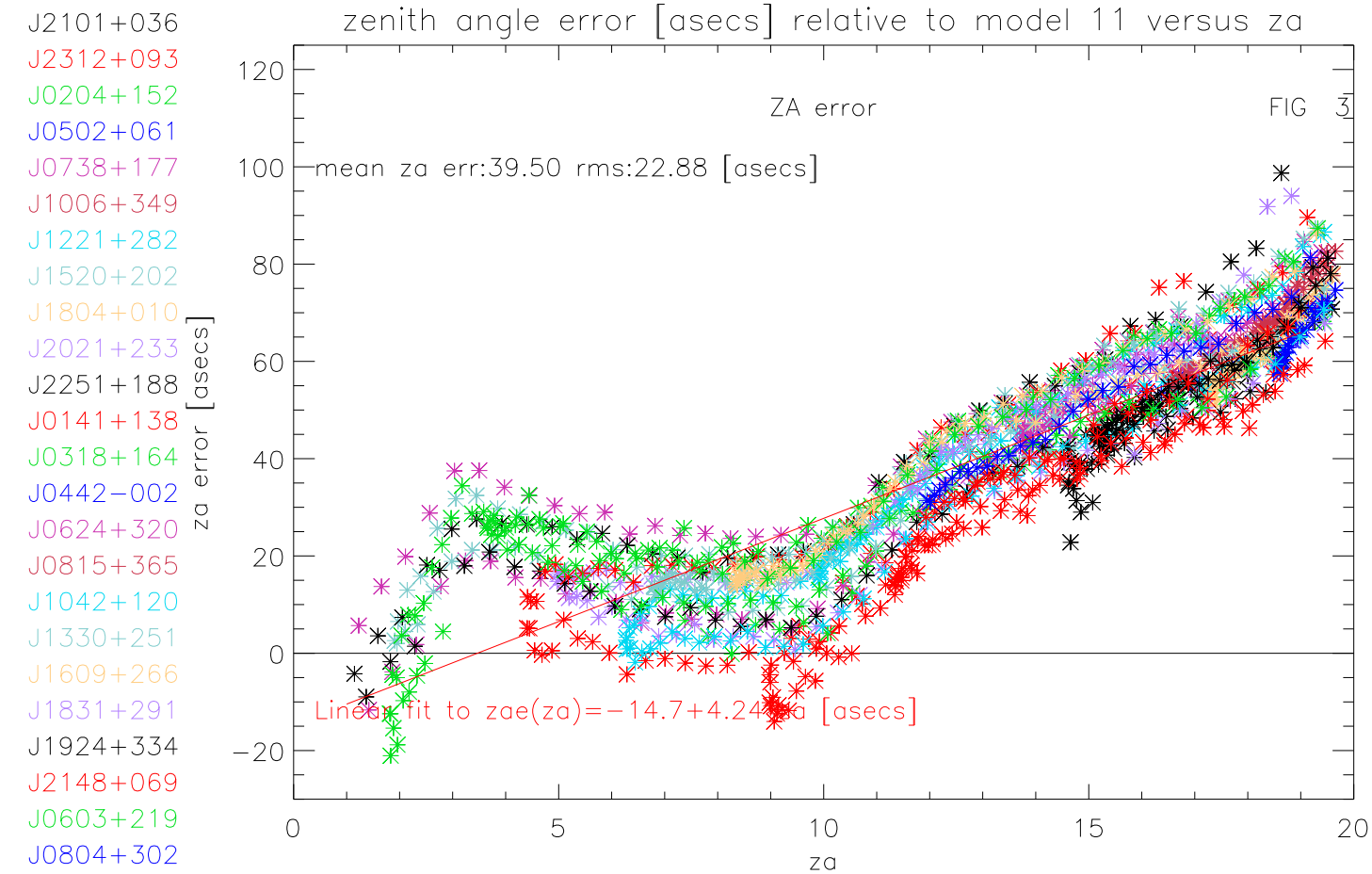
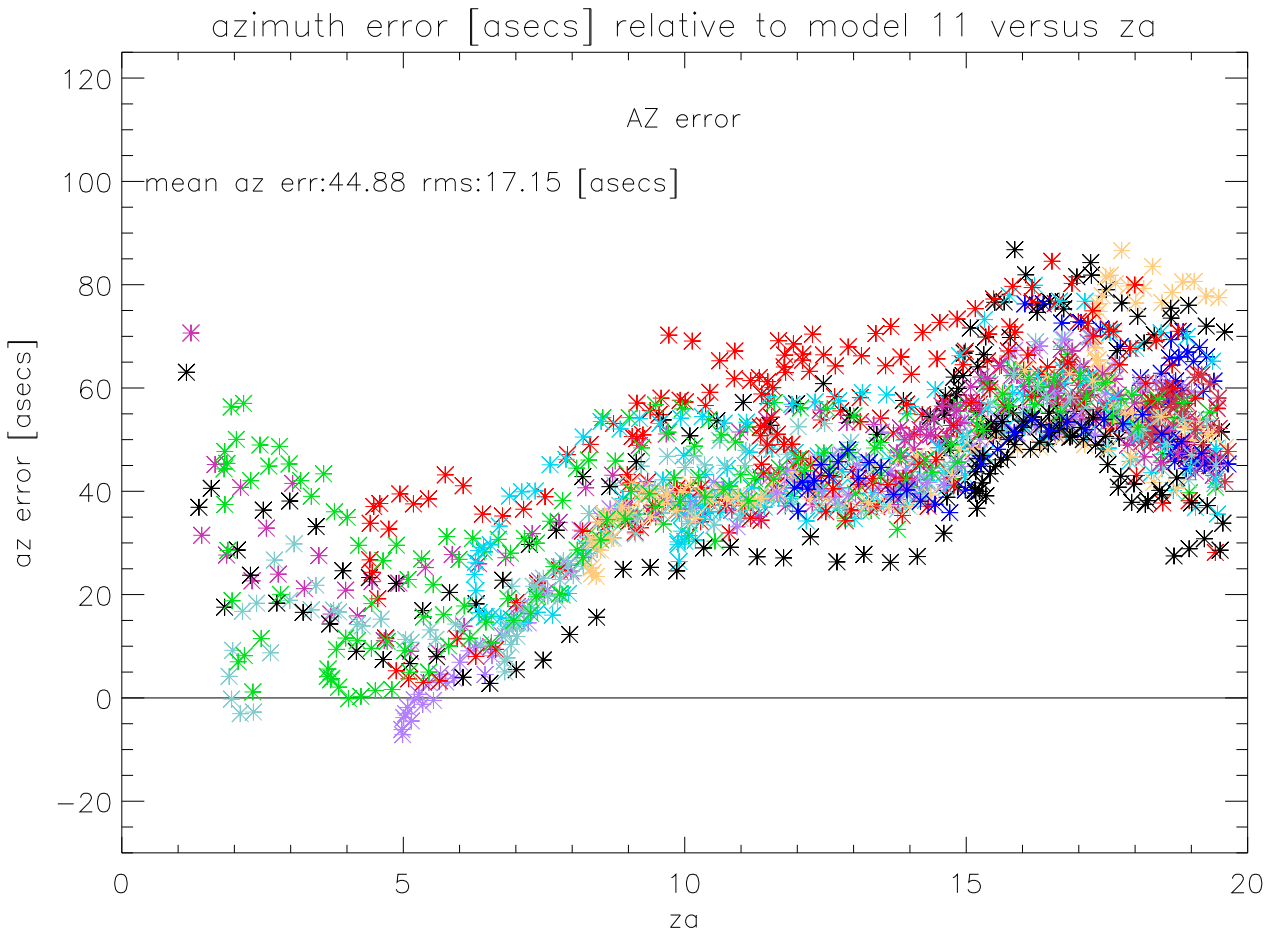


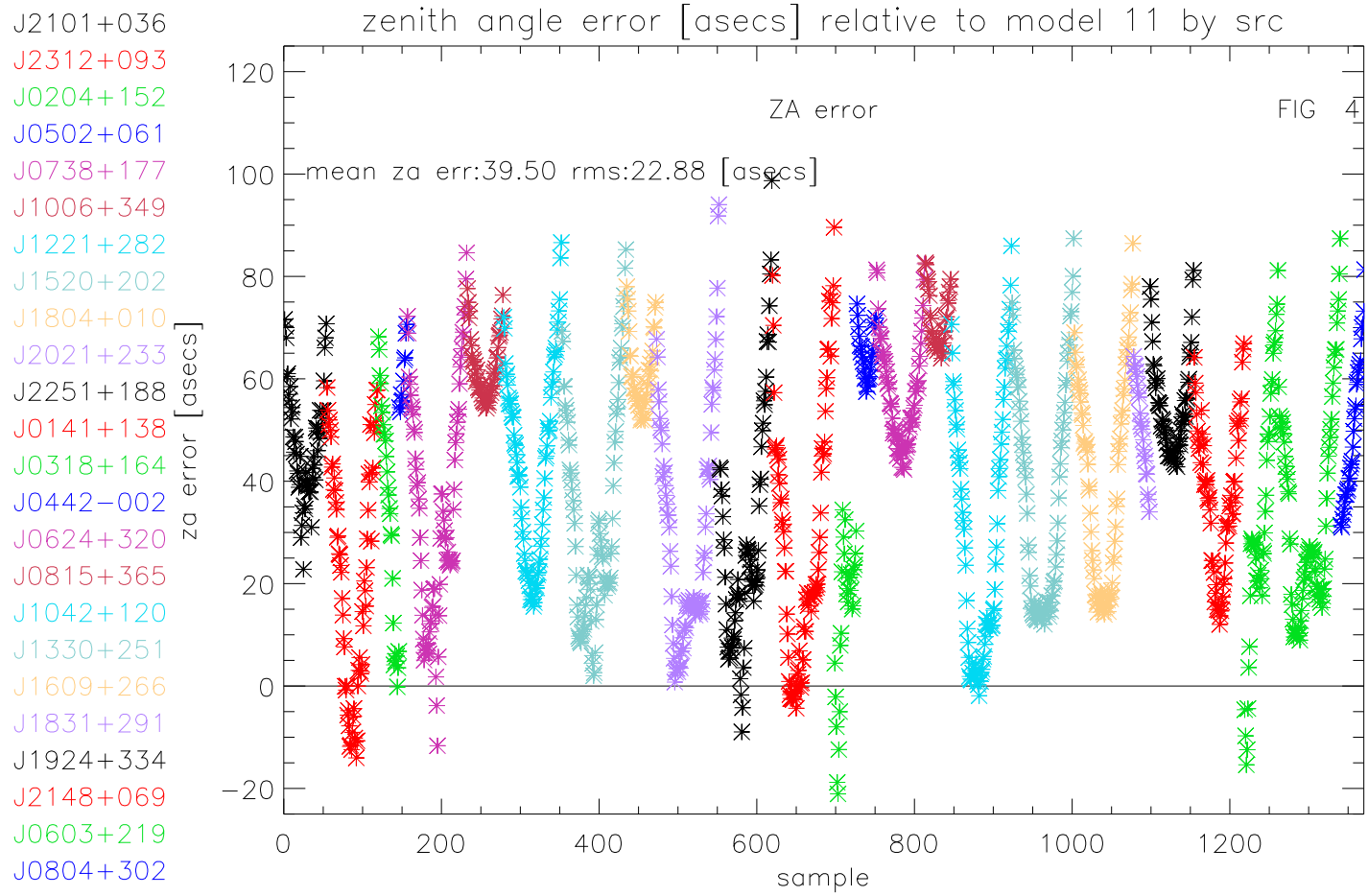
number of points:1371

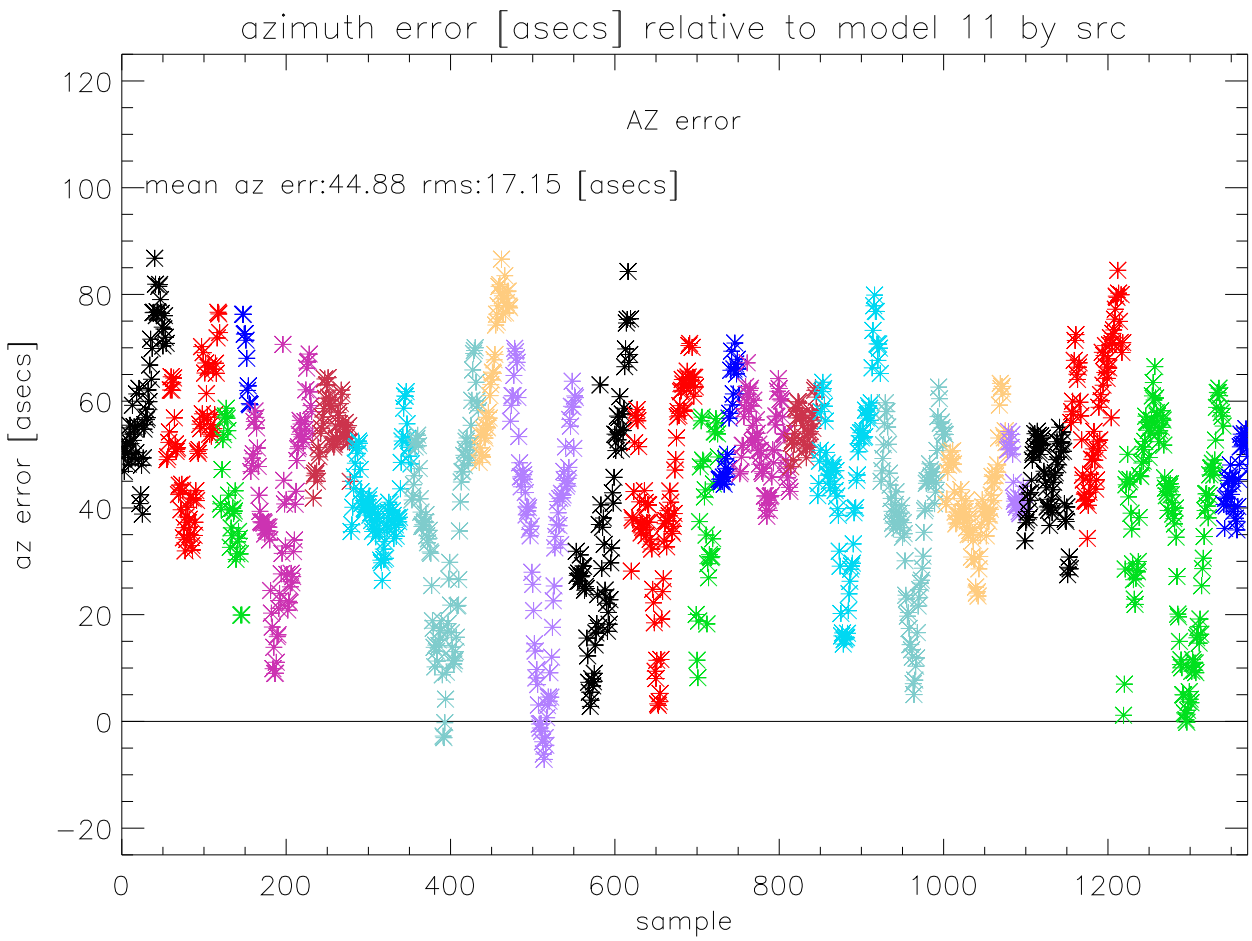

J2101+036
J2312+093
J0204+152
J0502+061
J0738+177
J1006+349
J1221+282
J1520+202
J1804+010
J2021+233
J2251+188
J0141+138
J0318+164
J0442−002
J0624+320
J0815+365
J1042+120
J1330+251
J1609+266
J1831+291
J1924+334
J2148+069
J0603+219
J0804+302
zenith angle error [asecs] relative to model 11 versus az
ZA error
FIG 2
mean za err:39.50 rms:22.88 [asecs]
za error [asecs]
az
RISE
Transit
SET
SET
Transit
RISE

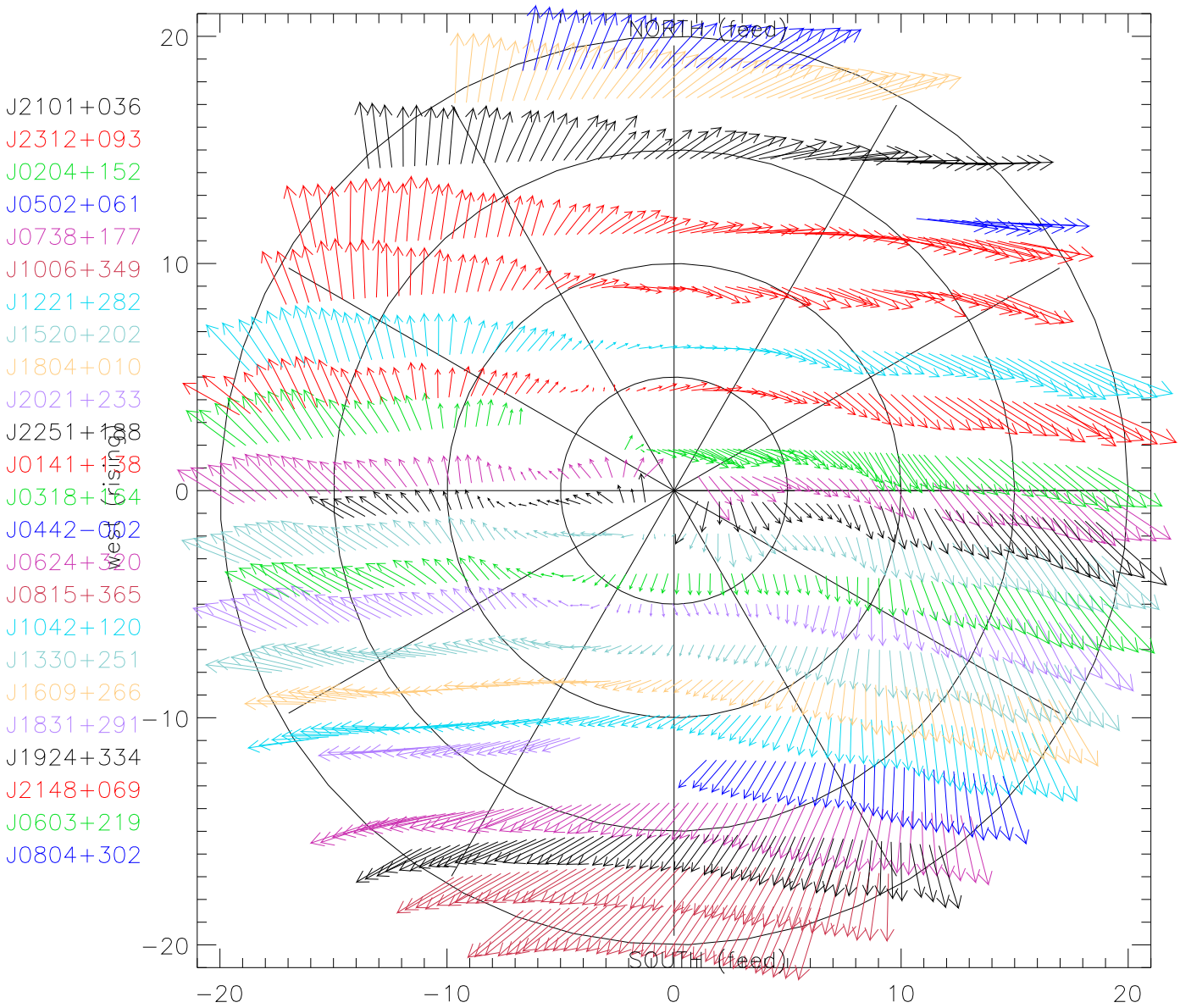

azimuth error [asecs] relative to model 11 versus az
AZ error
mean az err:44.88 rms:17.15 [asecs]
az error [asecs]
az
RISE
Transit
SET
SET
Transit
RISE


J2101+036
J2312+093
J0204+152
J0502+061
J0738+177
J1006+349
J1221+282
J1520+202
J1804+010
J2021+233
J2251+188
J0141+138
J0318+164
J0442−002
J0624+320
J0815+365
J1042+120
J1330+251
J1609+266
J1831+291
J1924+334
J2148+069
J0603+219
J0804+302
zenith angle error [asecs] relative to model 11 versus za
ZA error
FIG 3
mean za err:39.50 rms:22.88 [asecs]
Linear fit to zae(za)=−14.7+4.24*za [asecs]
za error [asecs]
za
120
100
80
60
40
20
0
−20
0
5
10
15
20


azimuth error [asecs] relative to model 11 versus za
AZ error
mean az err:44.88 rms:17.15 [asecs]
az error [asecs]
za
120
100
80
60
40
20
0
−20
0
5
10
15
20

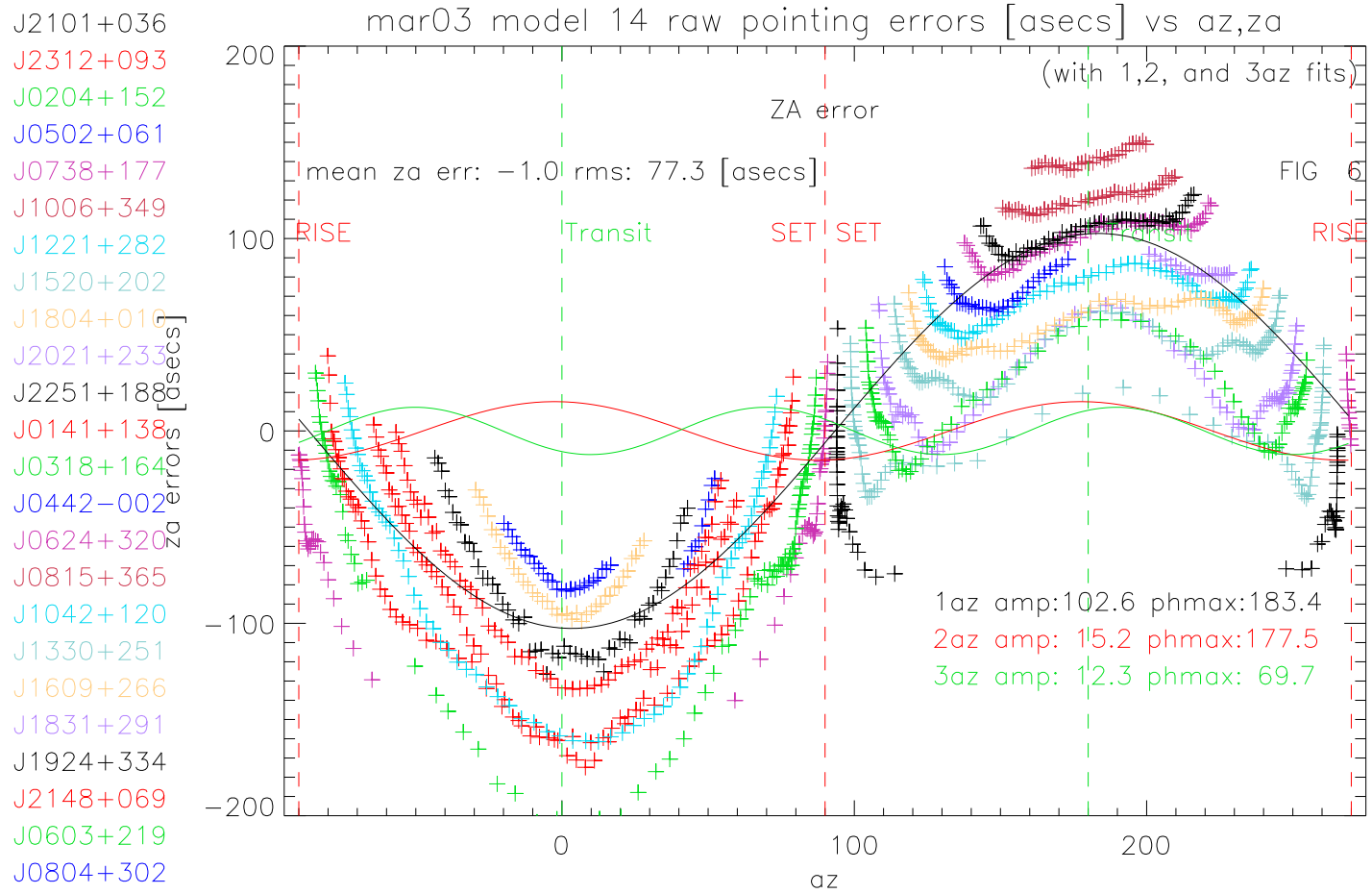

zenith angle error [asecs] relative to model 11 by src
ZA error
FIG 4
mean za err:39.50 rms:22.88 [asecs]
za error [asecs]
sample
J2101+036
J2312+093
J0204+152
J0502+061
J0738+177
J1006+349
J1221+282
J1520+202
J1804+010
J2021+233
J2251+188
J0141+138
J0318+164
J0442-002
J0624+320
J0815+365
J1042+120
J1330+251
J1609+266
J1831+291
J1924+334
J2148+069
J0603+219
J0804+302

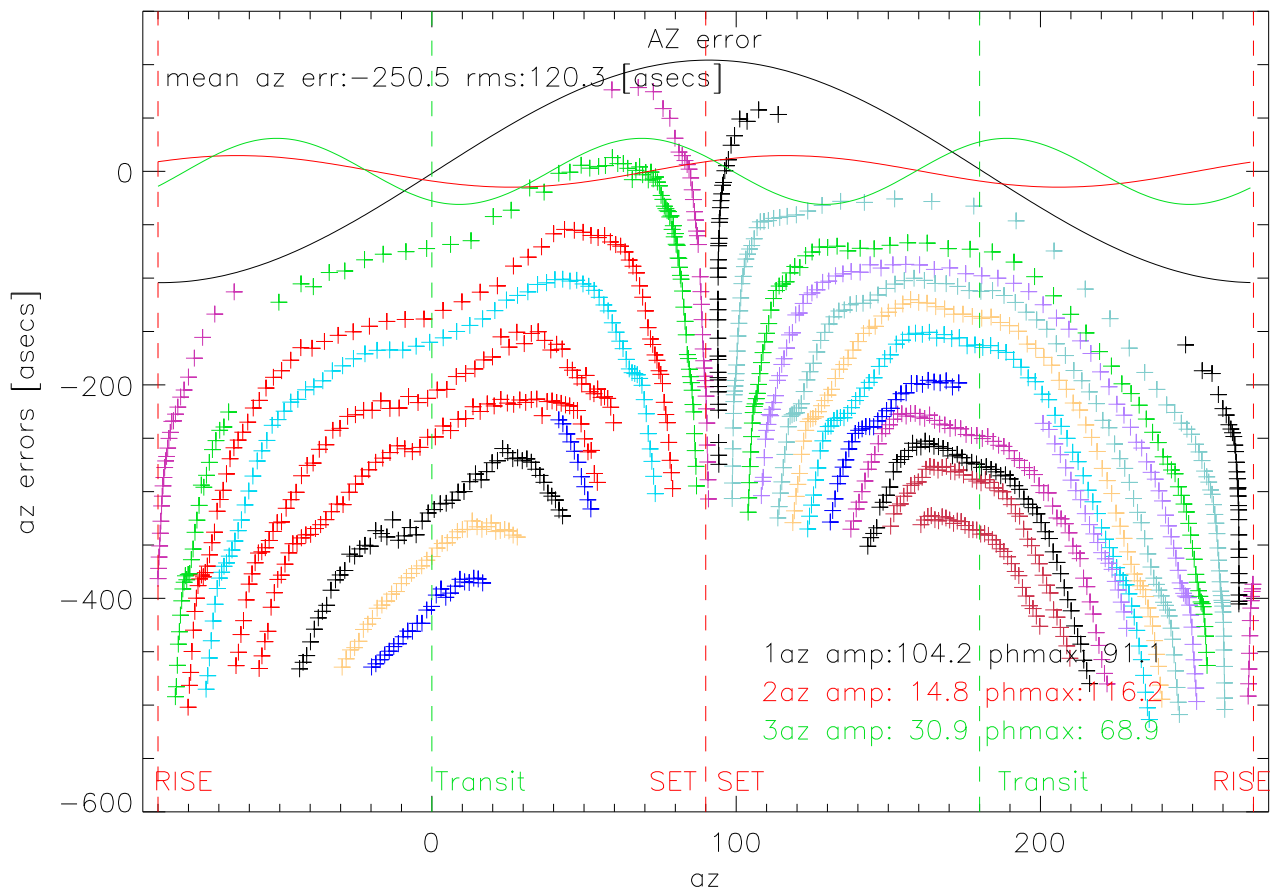

azimuth error [asecs] relative to model 11 by src
AZ error
mean az err:44.88 rms:17.15 [asecs]
az error [asecs]
sample

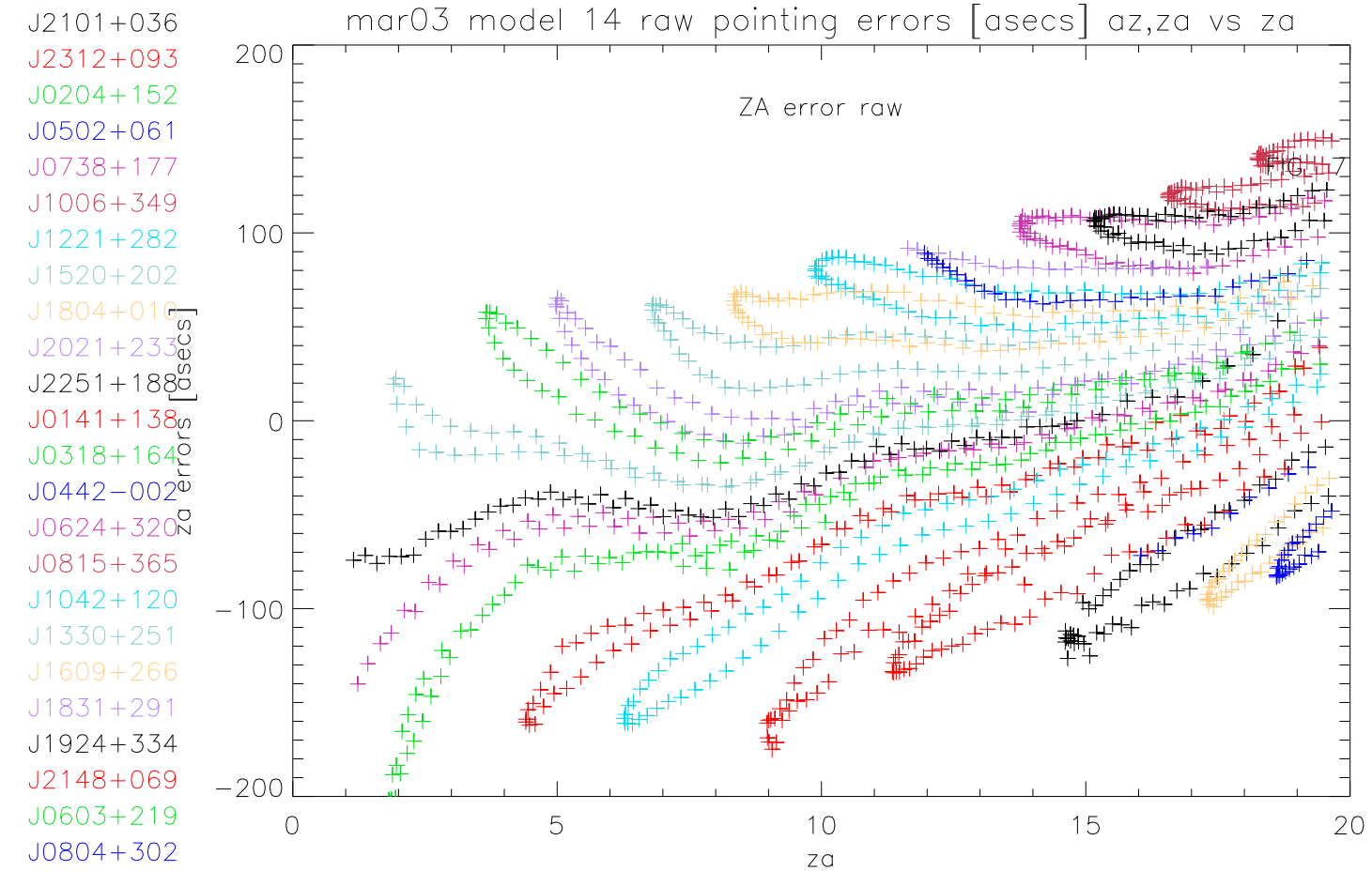


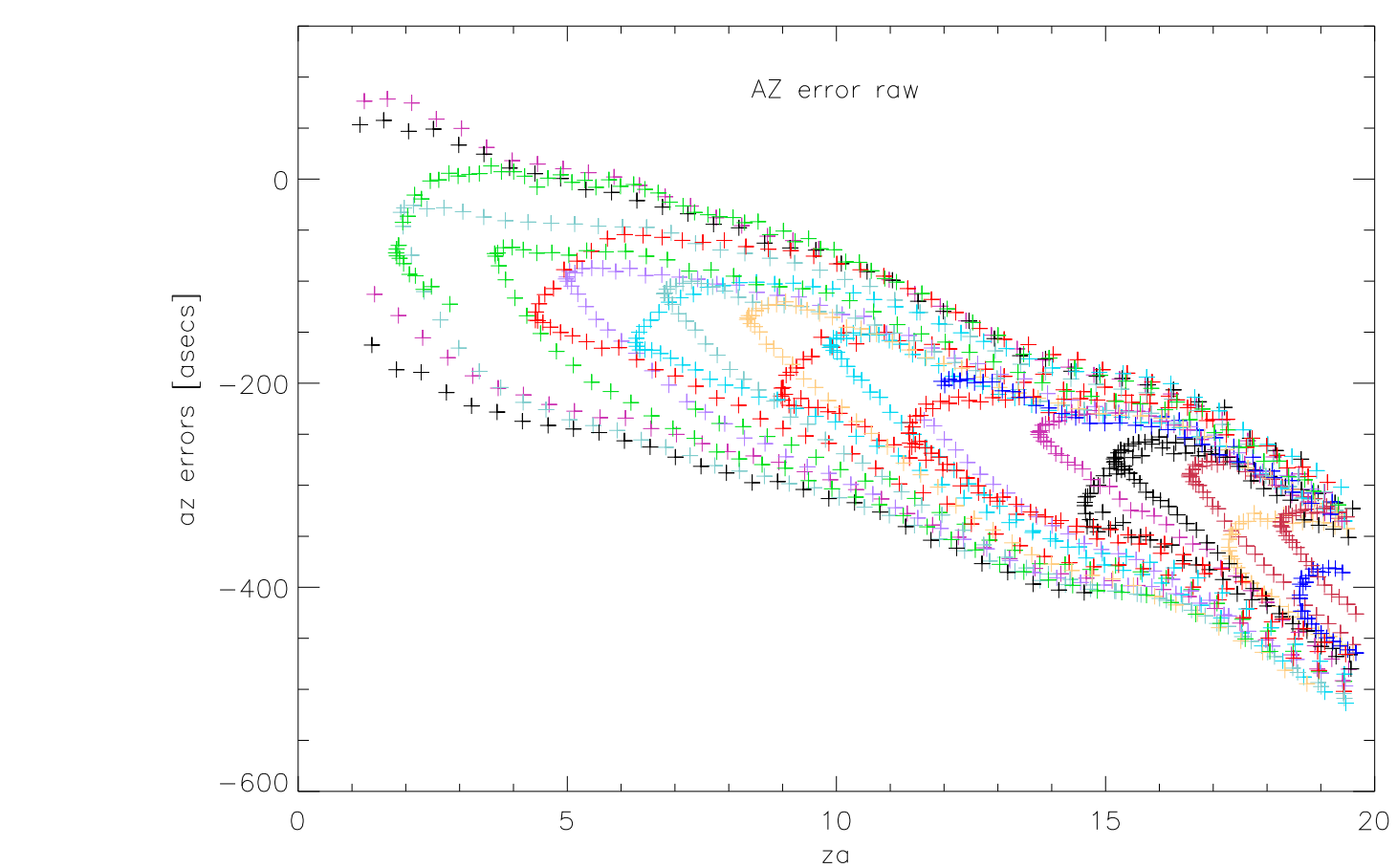
mar03 pointing errors input to model 14 (relative to model 11) vs az,za
1 div=30.00Asecs
errors each 5.0deg

za	max	avg	rms
all	124.2	61.6	24.4
5	70.9	31.9	14.0
10	70.3	32.4	13.1
15	88.3	59.4	11.5
20	124.2	84.7	10.0


J2101+036
J2312+093
J0204+152
J0502+061
J0738+177
J1006+349
J1221+282
J1520+202
J1804+010
J2021+233
J2251+188
J0141+138
J0318+164
J0442−002
J0624+320
J0815+365
J1042+120
J1330+251
J1609+266
J1831+291
J1924+334
J2148+069
J0603+219
J0804+302
mar03 model 14 raw pointing errors [asecs] vs az,za
(with 1,2, and 3az fits)
ZA error
mean za err: −1.0 rms: 77.3 [asecs]
FIG 6
RISE
Transit
SET
SET
Transit
RISE
1az amp:102.6 phmax:183.4
2az amp: 15.2 phmax:177.5
3az amp: 12.3 phmax: 69.7
za errors [asecs]
200
100
0
−100
−200
0
100
200
az


AZ error
mean az err:−250.5 rms:120.3 [asecs]
1az amp:104.2 phmax: 91.1
2az amp: 14.8 phmax:116.2
3az amp: 30.9 phmax: 68.9
RISE
Transit
SET
SET
Transit
RISE
az errors [asecs]
0
−200
−400
−600
0
100
200
az


mar03 model 14 raw pointing errors [asecs] az,za vs za
ZA error raw
za errors [asecs]
za
J2101+036
J2312+093
J0204+152
J0502+061
J0738+177
J1006+349
J1221+282
J1520+202
J1804+010
J2021+233
J2251+188
J0141+138
J0318+164
J0442−002
J0624+320
J0815+365
J1042+120
J1330+251
J1609+266
J1831+291
J1924+334
J2148+069
J0603+219
J0804+302


AZ error raw
az errors [asecs]
za