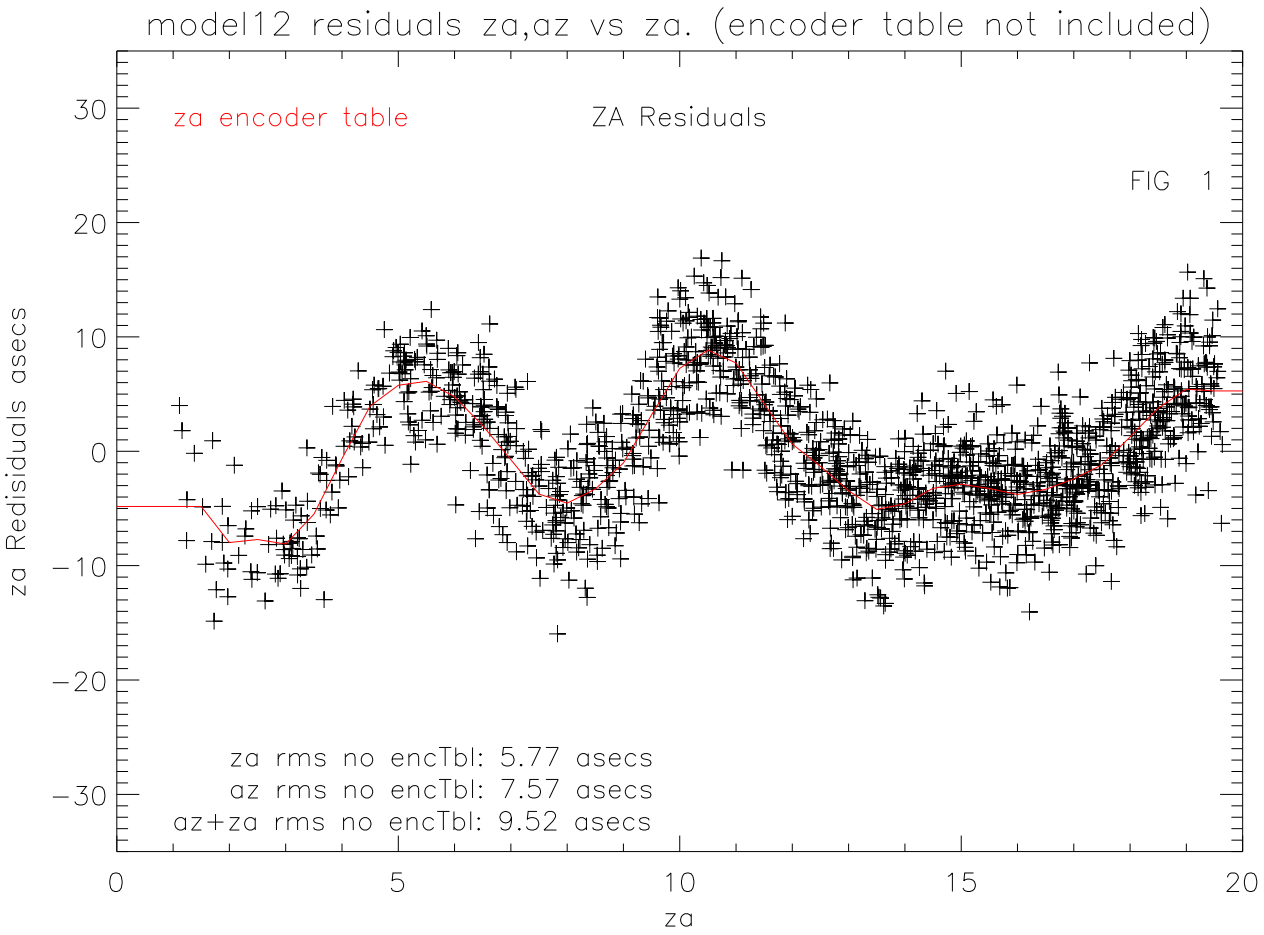
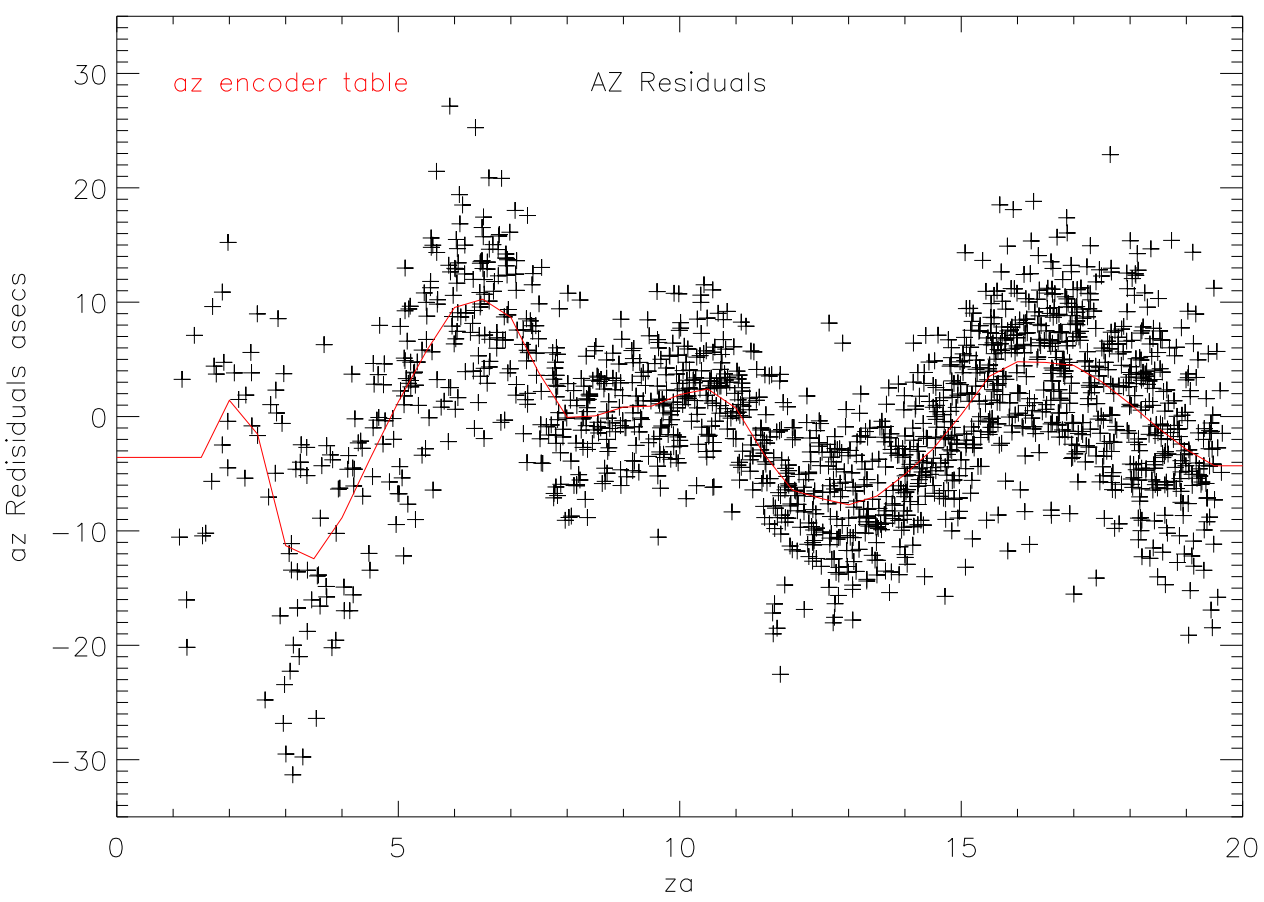
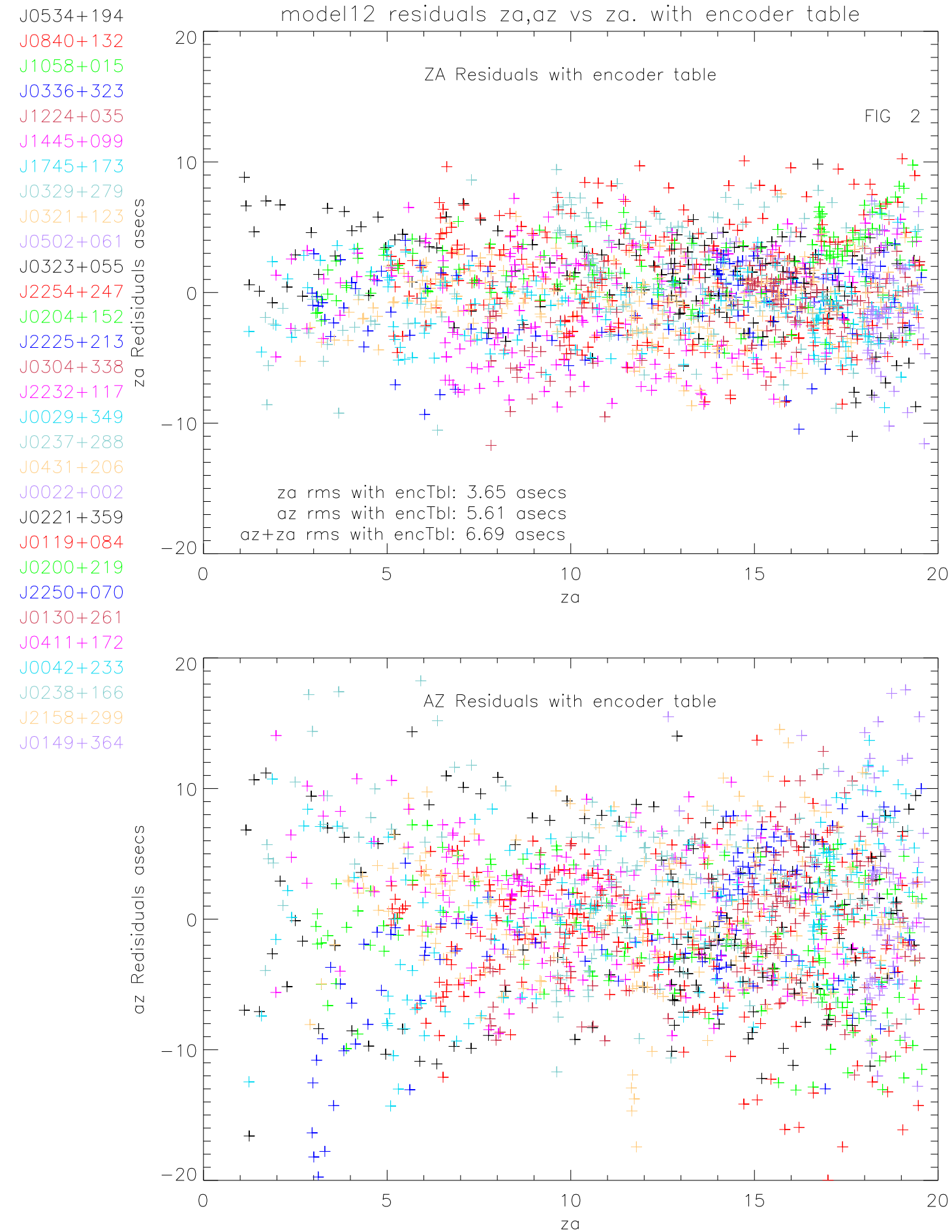
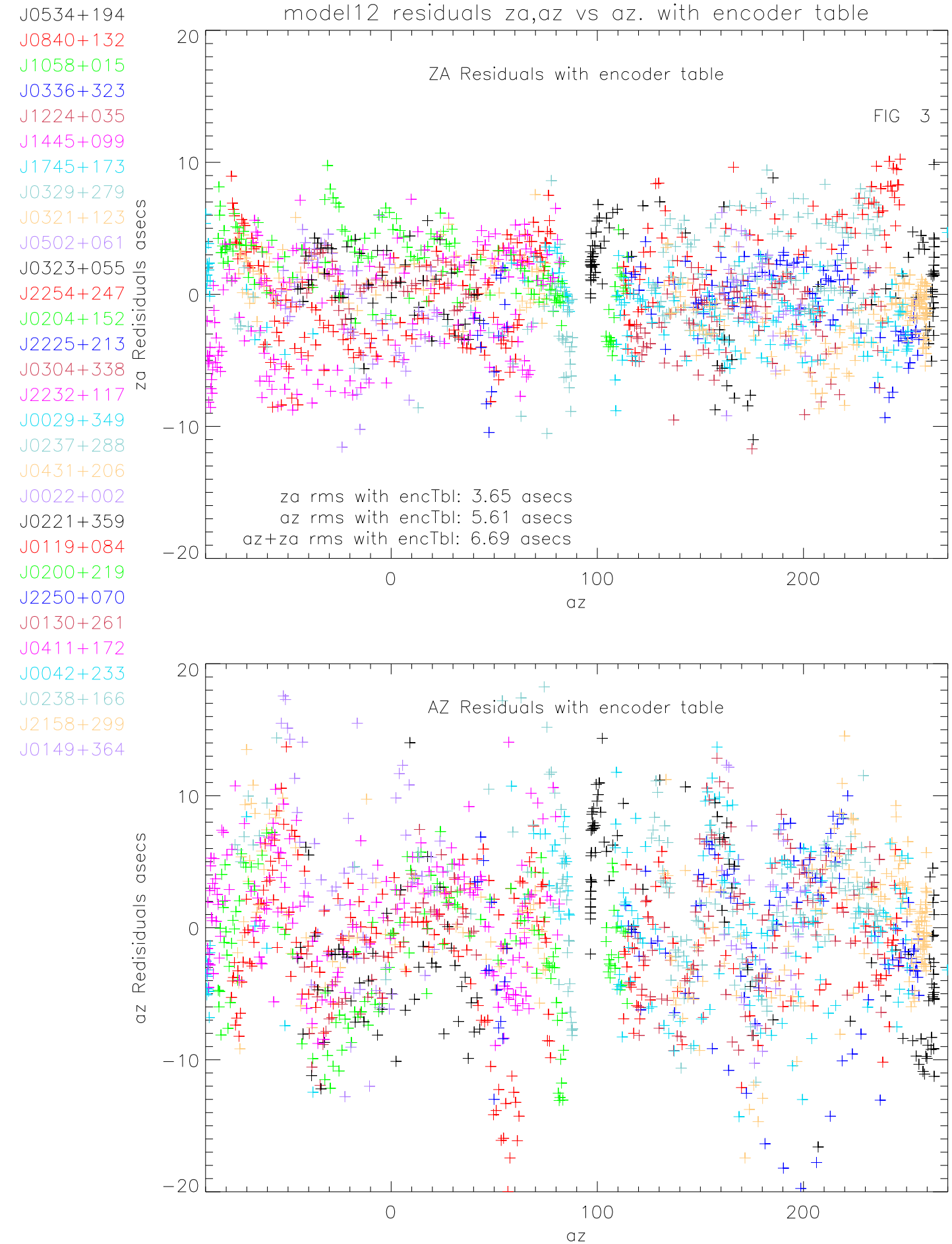

model12 residuals za,az vs za. (encoder table not included)
za encoder table
ZA Residuals
FIG 1
za Redisiduals asecs
za rms no encTbl: 5.77 asecs
az rms no encTbl: 7.57 asecs
az+za rms no encTbl: 9.52 asecs
za


az encoder table
AZ Residuals
az Redisiduals asecs
za


J0534+194
J0840+132
J1058+015
J0336+323
J1224+035
J1445+099
J1745+173
J0329+279
J0321+123
J0502+061
J0323+055
J2254+247
J0204+152
J2225+213
J0304+338
J2232+117
J0029+349
J0237+288
J0431+206
J0022+002
J0221+359
J0119+084
J0200+219
J2250+070
J0130+261
J0411+172
J0042+233
J0238+166
J2158+299
J0149+364
model12 residuals za,az vs za. with encoder table
ZA Residuals with encoder table
FIG 2
za Redisiduals asecs
za rms with encTbl: 3.65 asecs
az rms with encTbl: 5.61 asecs
az+za rms with encTbl: 6.69 asecs
za
AZ Residuals with encoder table
az Redisiduals asecs
za
20
10
0
−10
−20
0
5
10
15
20


J0534+194
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J0329+279
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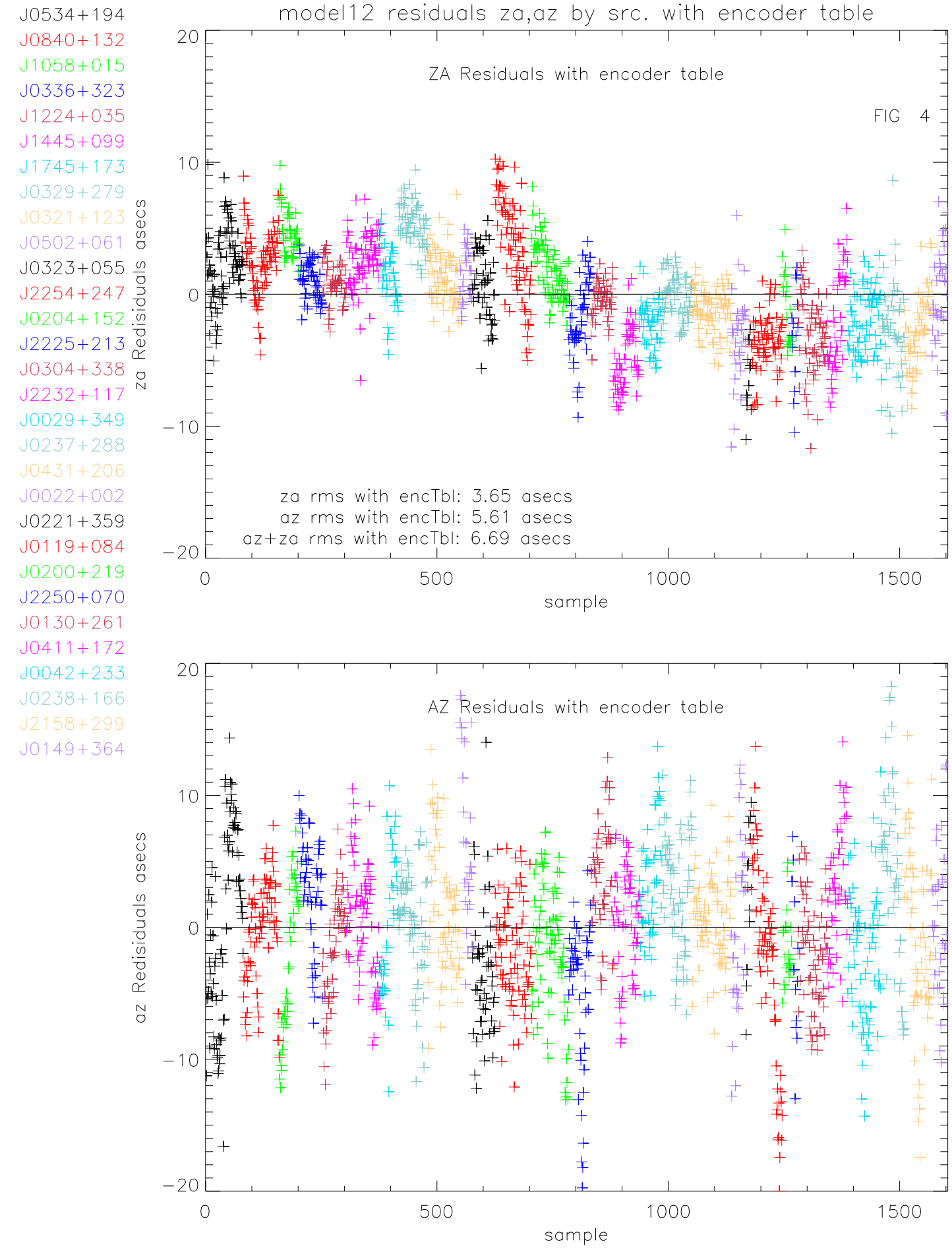
J0029+349
J0237+288
J0431+206
J0022+002
J0221+359
J0119+084
J0200+219
J2250+070
J0130+261
J0411+172
J0042+233
J0238+166
J2158+299
J0149+364
model12 residuals za,az vs az. with encoder table
ZA Residuals with encoder table
FIG 3
za Redisiduals asecs
za rms with encTbl: 3.65 asecs
az rms with encTbl: 5.61 asecs
az+za rms with encTbl: 6.69 asecs
az
AZ Residuals with encoder table
az Redisiduals asecs
az
20
10
0
−10
−20
0
100
200


J0534+194
J0840+132
J1058+015
J0336+323
J1224+035
J1445+099
J1745+173
J0329+279
J0321+123
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J0029+349
J0237+288
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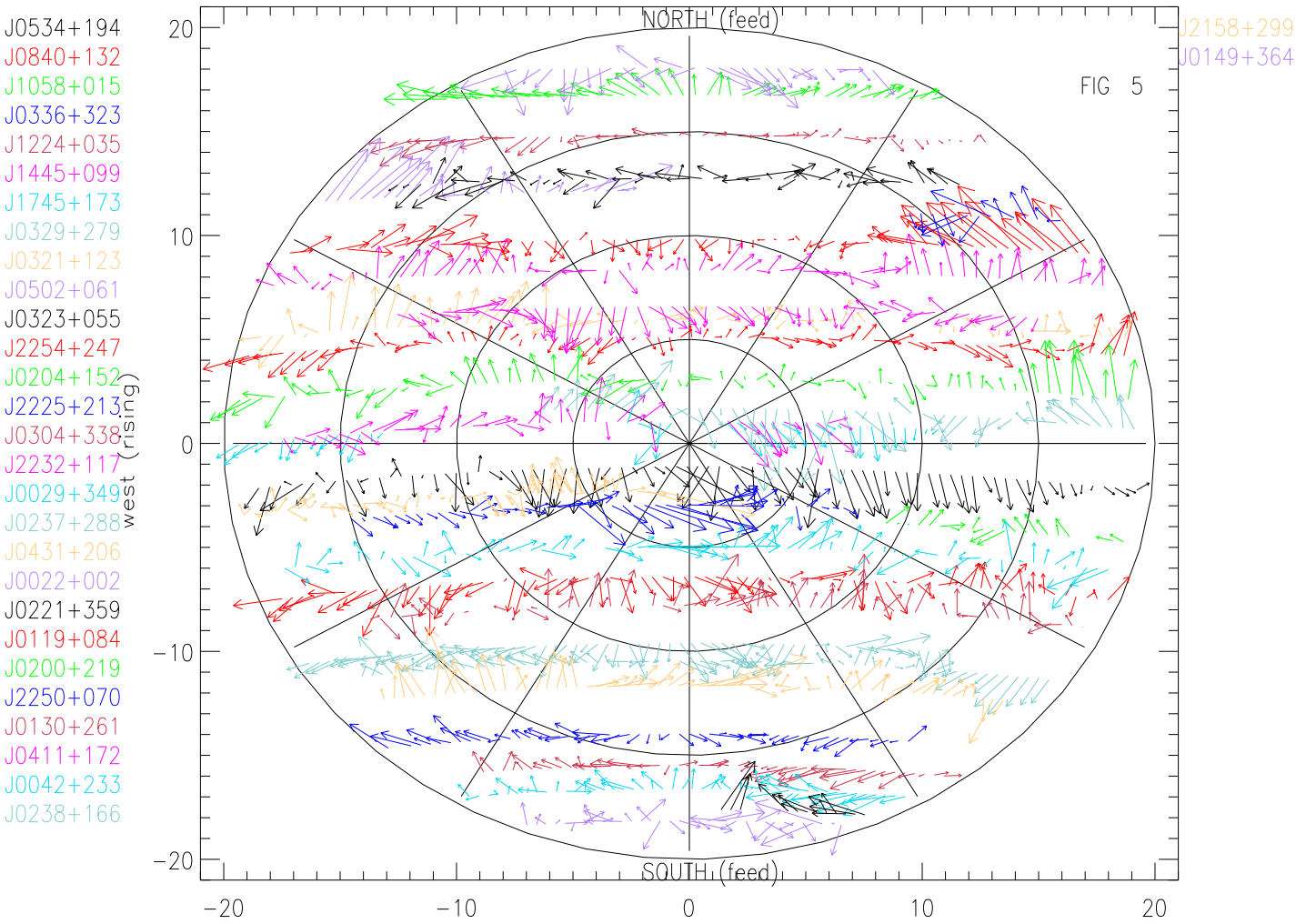
J0221+359
J0119+084
J0200+219
J2250+070
J0130+261
J0411+172
J0042+233
J0238+166
J2158+299
J0149+364
model12 residuals za,az by src. with encoder table
ZA Residuals with encoder table
FIG 4
za Redisiduals asecs
za rms with encTbl: 3.65 asecs
az rms with encTbl: 5.61 asecs
az+za rms with encTbl: 6.69 asecs
sample
AZ Residuals with encoder table
az Redisiduals asecs
sample



model 12 residuals errors [asecs] with encoder table vs az,za
1 div= 5.00asecs

errors each 5.0deg

za	max	avg	rms
all	21.3	5.8	3.3
5	21.3	7.5	4.5
10	18.5	5.6	3.0
15	18.0	5.1	2.8
20	20.5	6.2	3.5