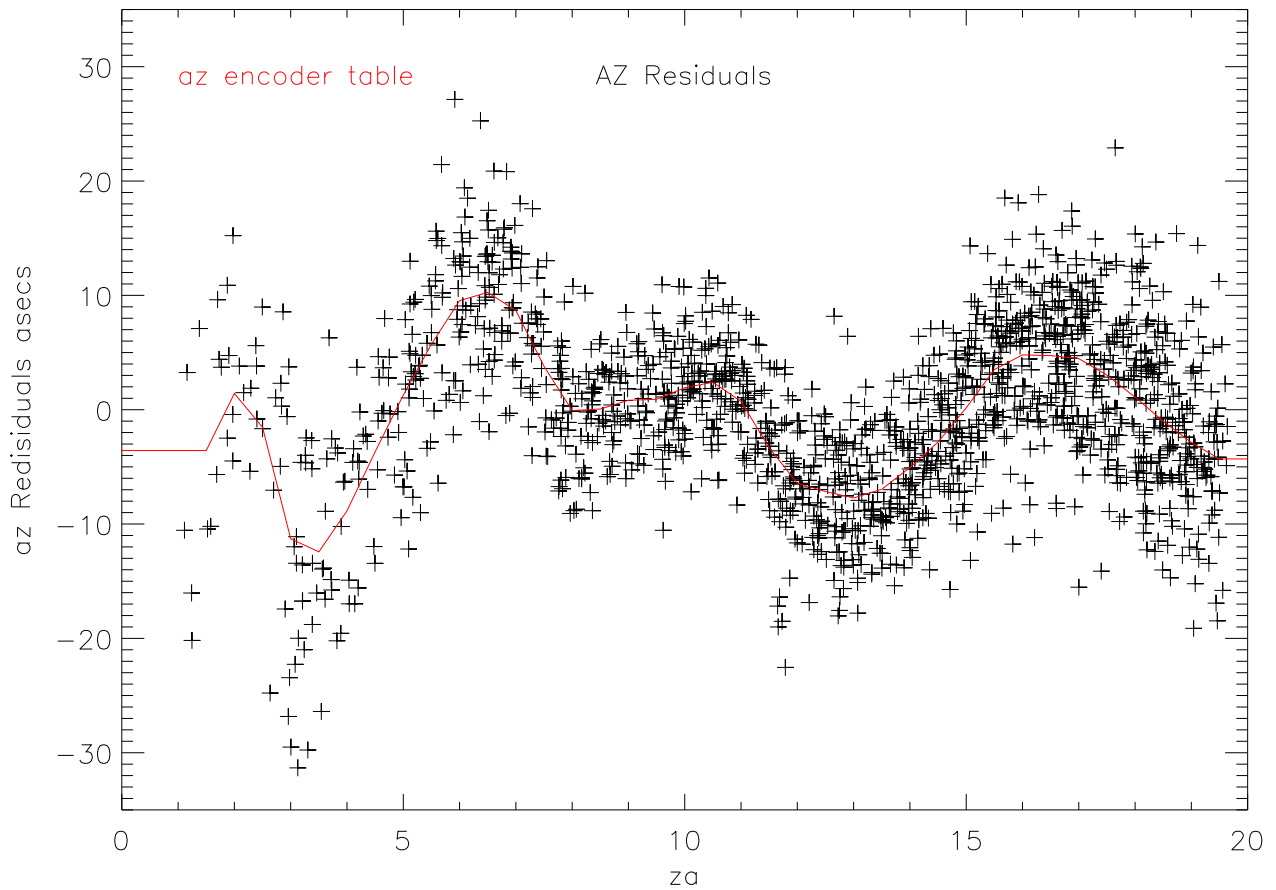
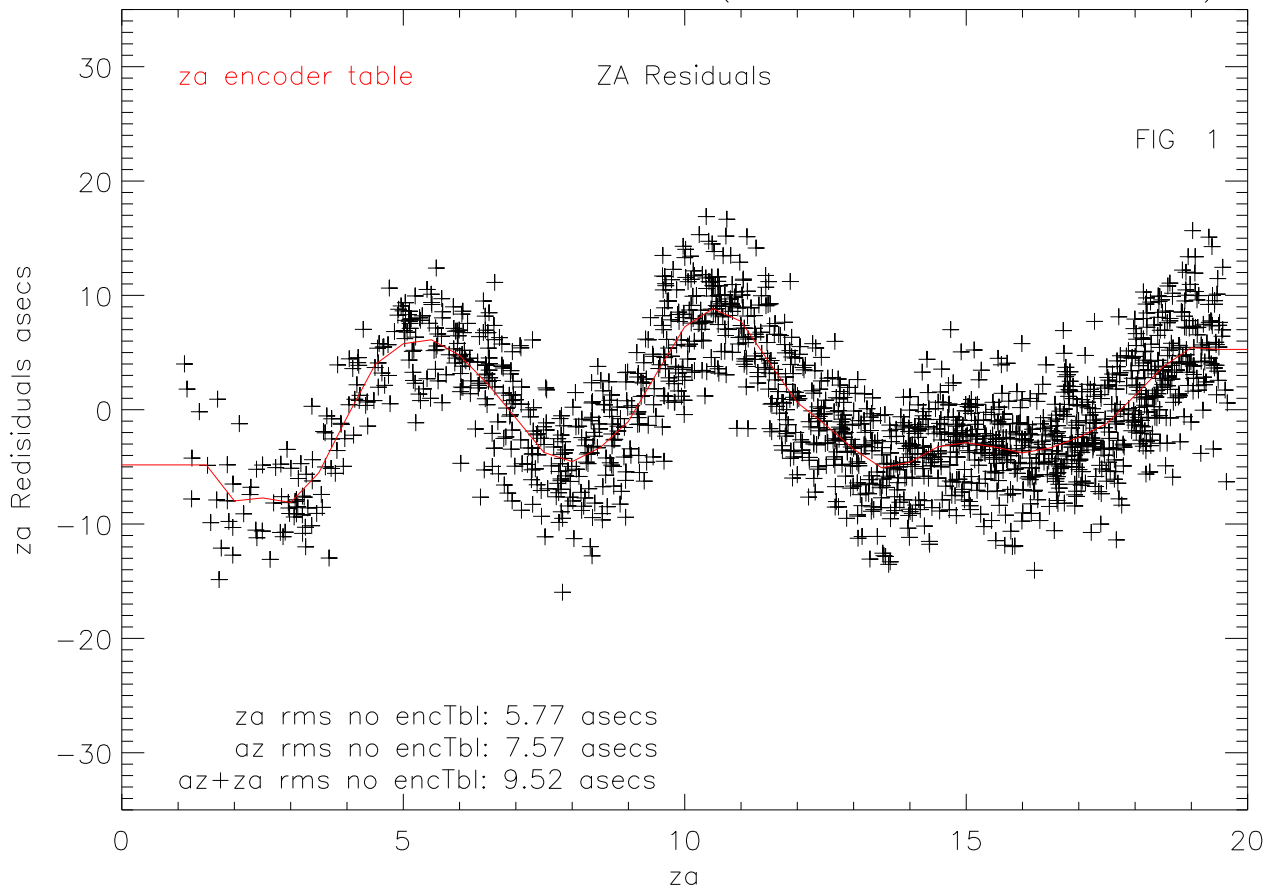
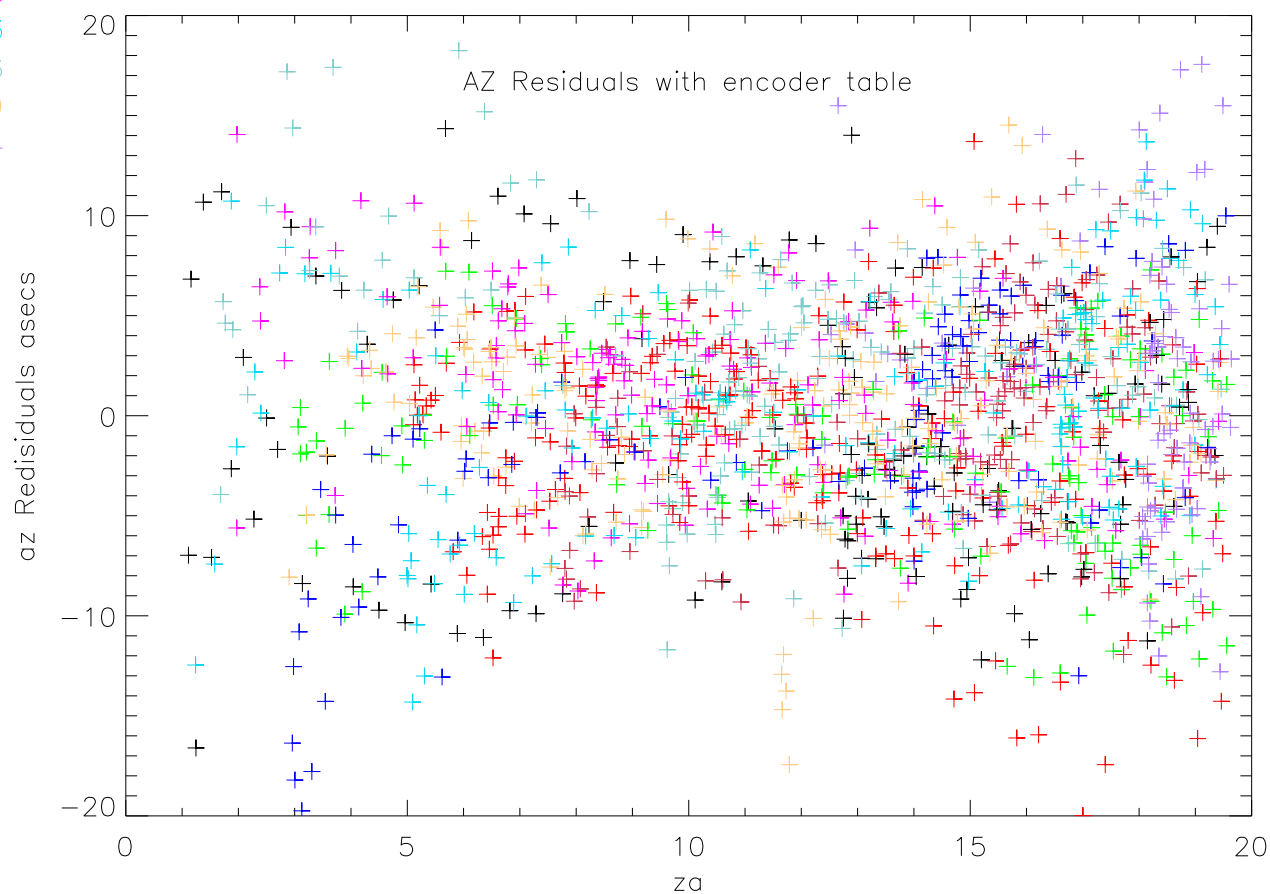
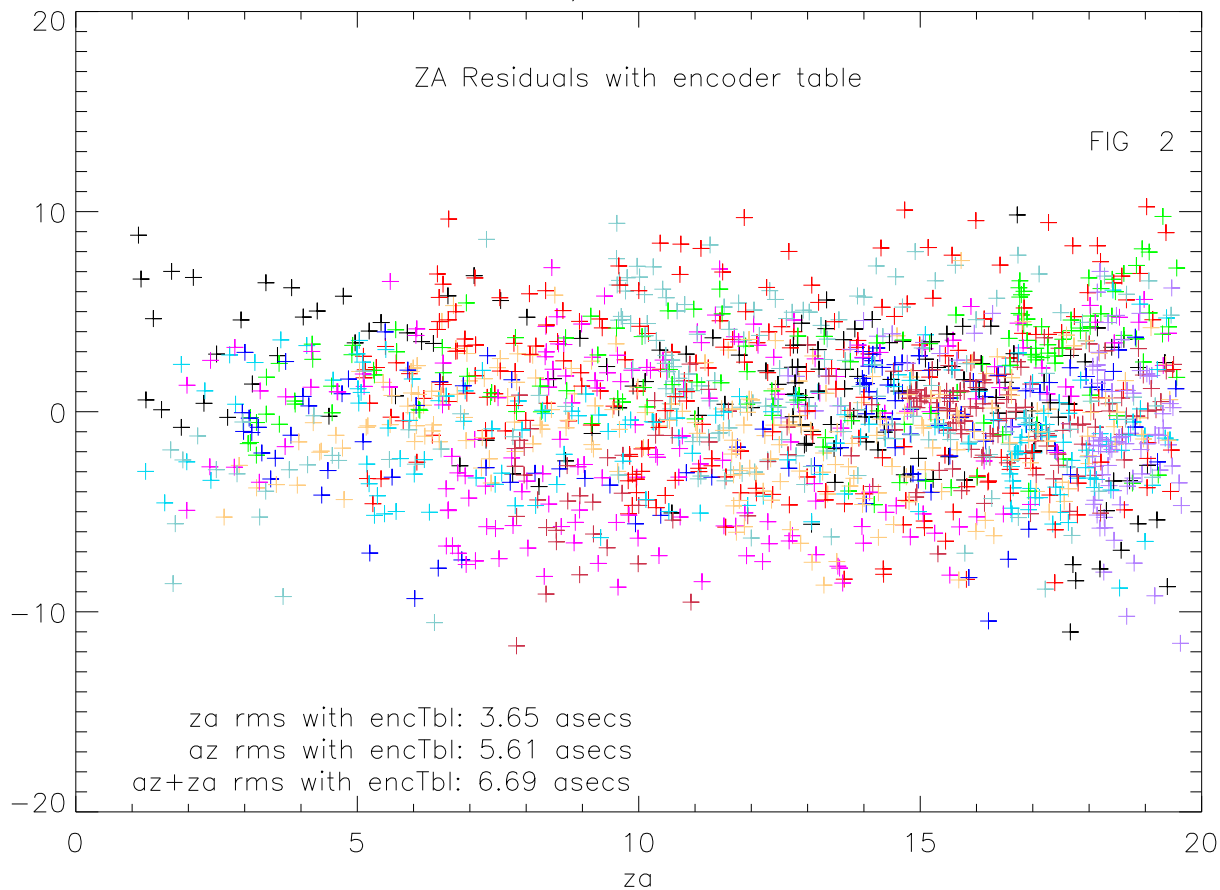


model12 residuals za,az vs za. (encoder table not included)



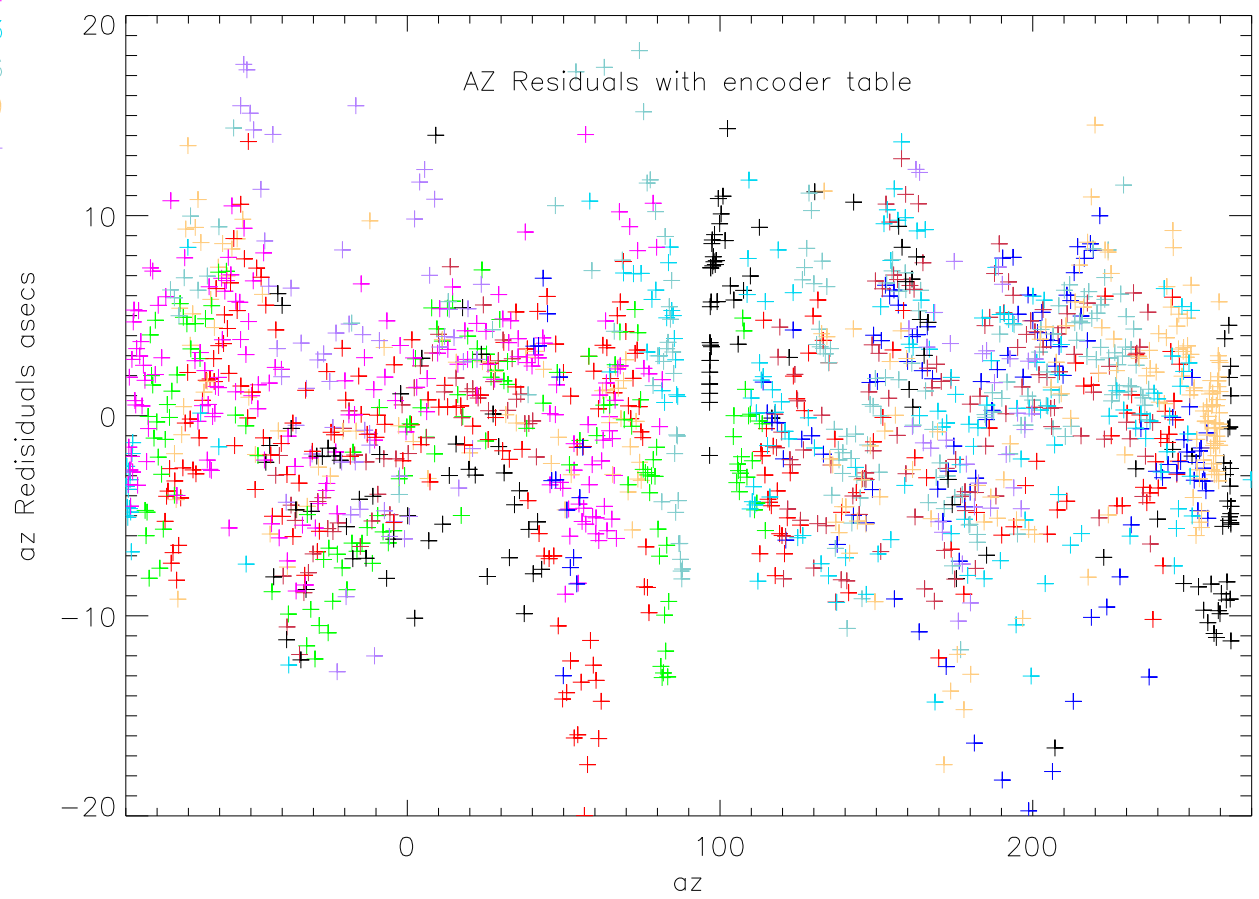
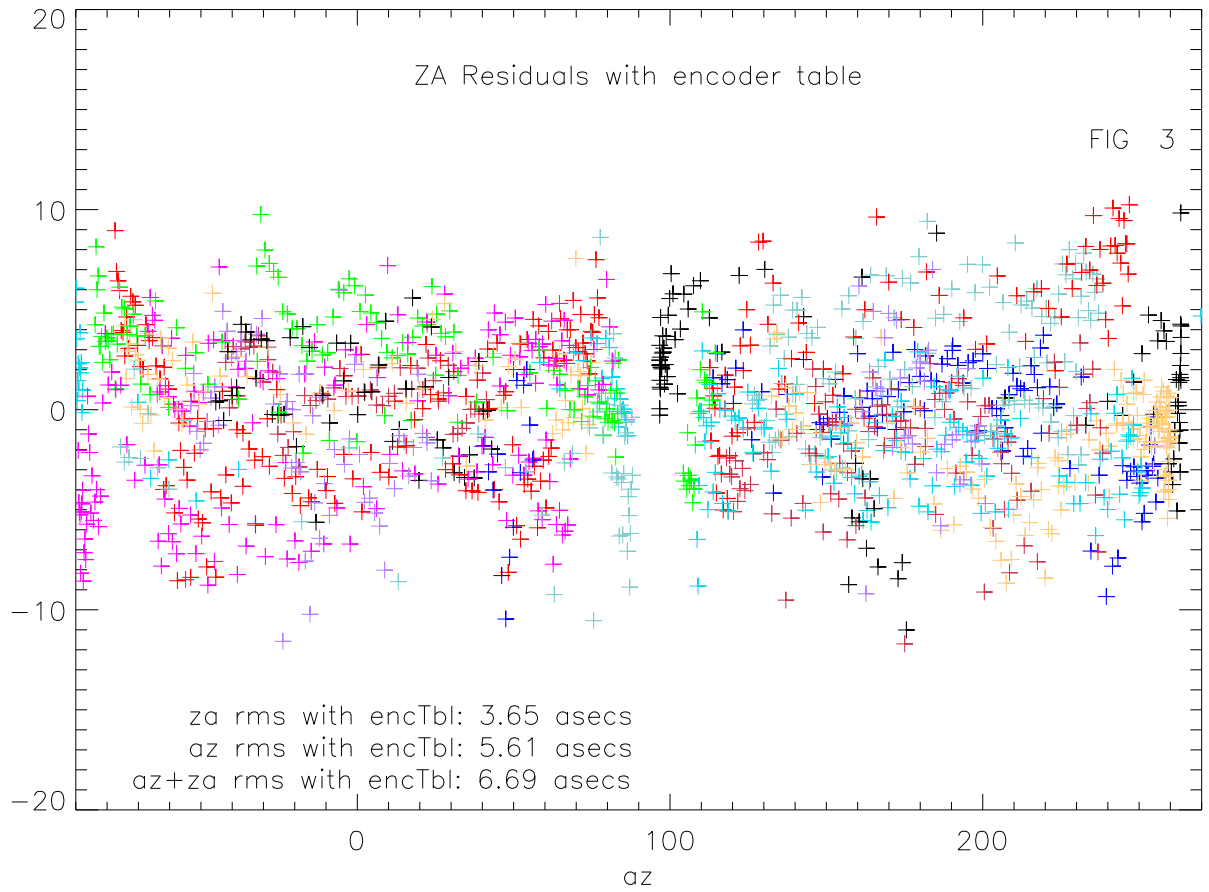
- J0534+194
- J0840+132
- J1058+015
- J0336+323
- J1224+035
- J1445+099
- J1745+173
- J0329+279
- J0321+123
- J0502+061
- J0323+055
- J2254+247
- J0204+152
- J2225+213
- J0304+338
- J2232+117
- J0029+349
- J0237+288
- J0431+206
- J0022+002
- J0221+359
- J0119+084
- J0200+219
- J2250+070
- J0130+261
- J0411+172
- J0042+233
- J0238+166
- J2158+299
- J0149+364

model12 residuals za,az vs za. with encoder table



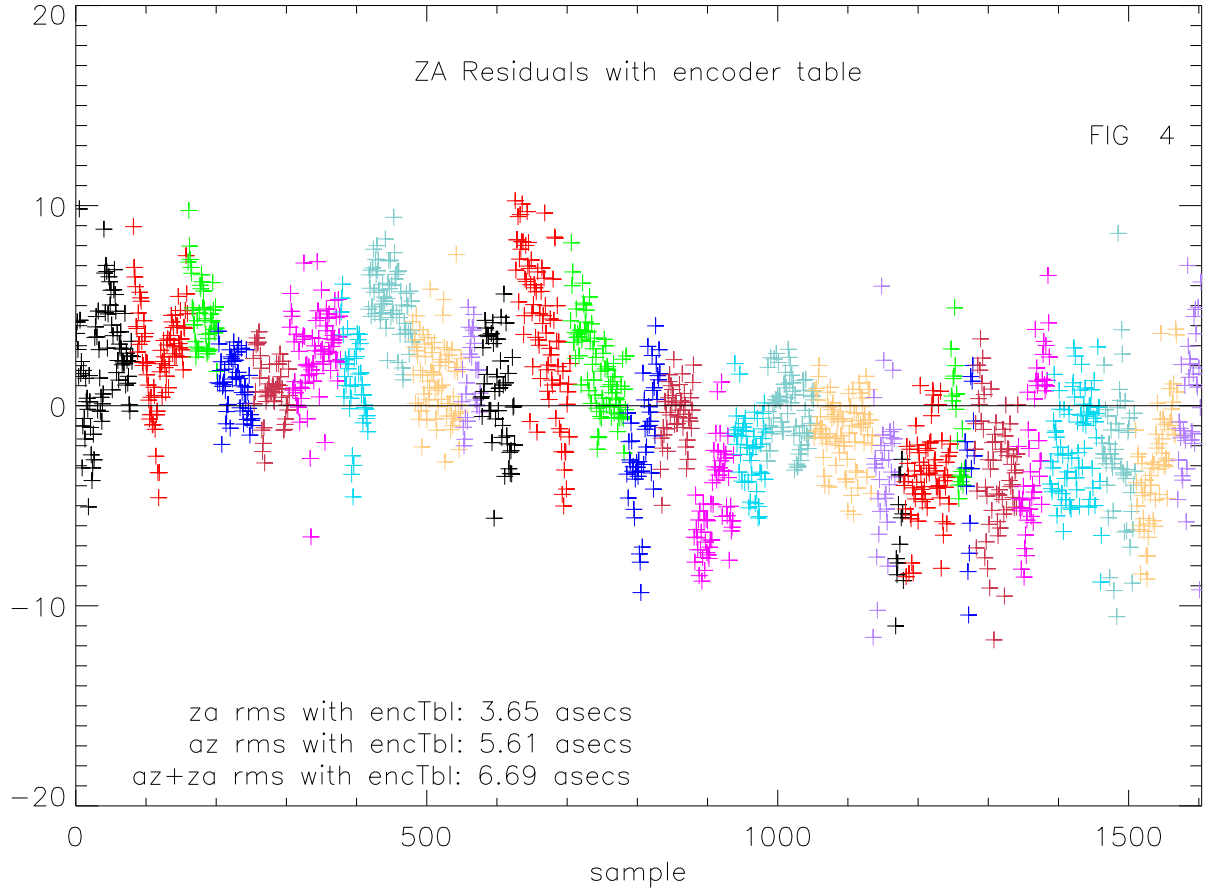
- J0534+194
- J0840+132
- J1058+015
- J0336+323
- J1224+035
- J1445+099
- J1745+173
- J0329+279
- J0321+123
- J0502+061
- J0323+055
- J2254+247
- J0204+152
- J2225+213
- J0304+338
- J2232+117
- J0029+349
- J0237+288
- J0431+206
- J0022+002
- J0221+359
- J0119+084
- J0200+219
- J2250+070
- J0130+261
- J0411+172
- J0042+233
- J0238+166
- J2158+299
- J0149+364

model12 residuals za,az vs az. with encoder table

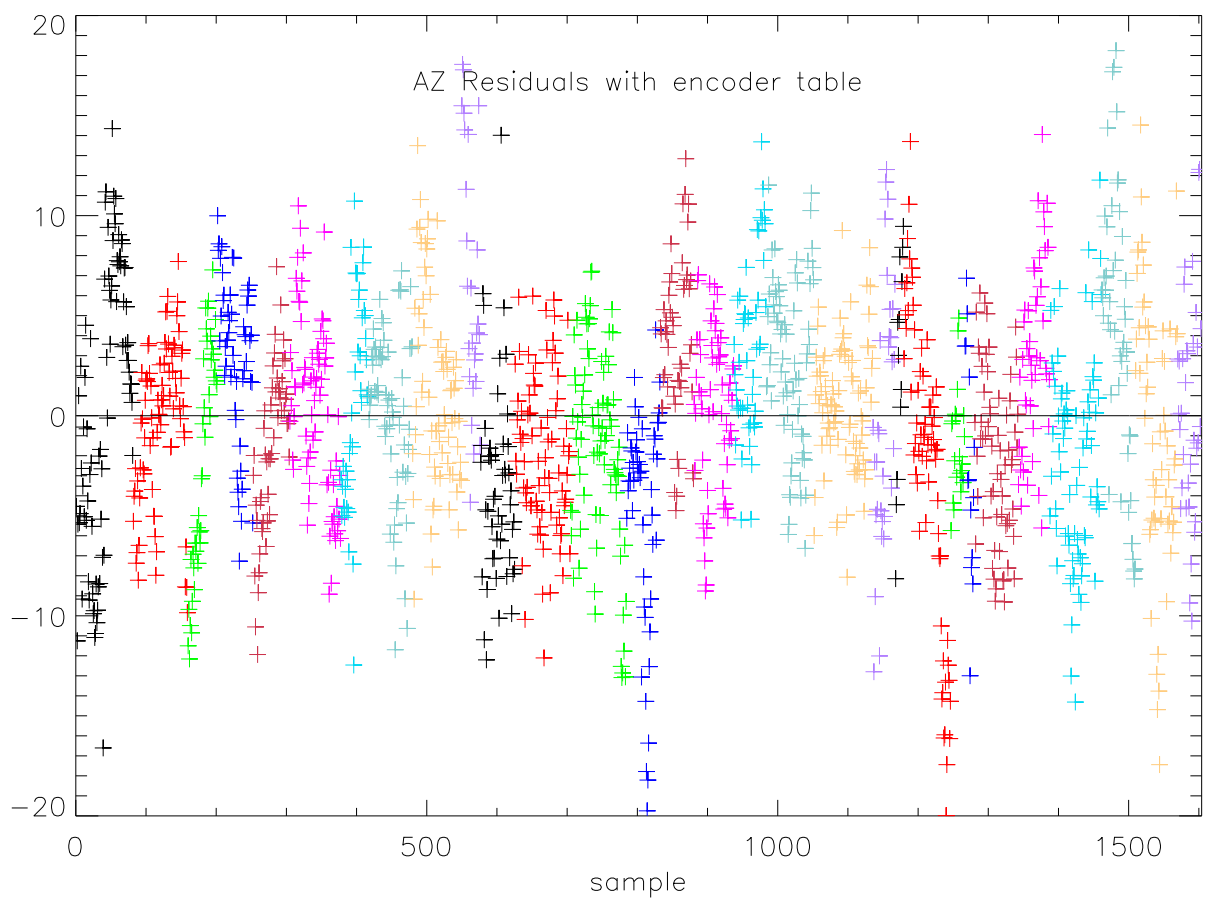


- J0534+194
- J0840+132
- J1058+015
- J0336+323
- J1224+035
- J1445+099
- J1745+173
- J0329+279
- J0321+123
- J0502+061
- J0323+055
- J2254+247
- J0204+152
- J2225+213
- J0304+338
- J2232+117
- J0029+349
- J0237+288
- J0431+206
- J0022+002
- J0221+359
- J0119+084
- J0200+219
- J2250+070
- J0130+261
- J0411+172
- J0042+233
- J0238+166
- J2158+299
- J0149+364

model12 residuals za,az by src. with encoder table



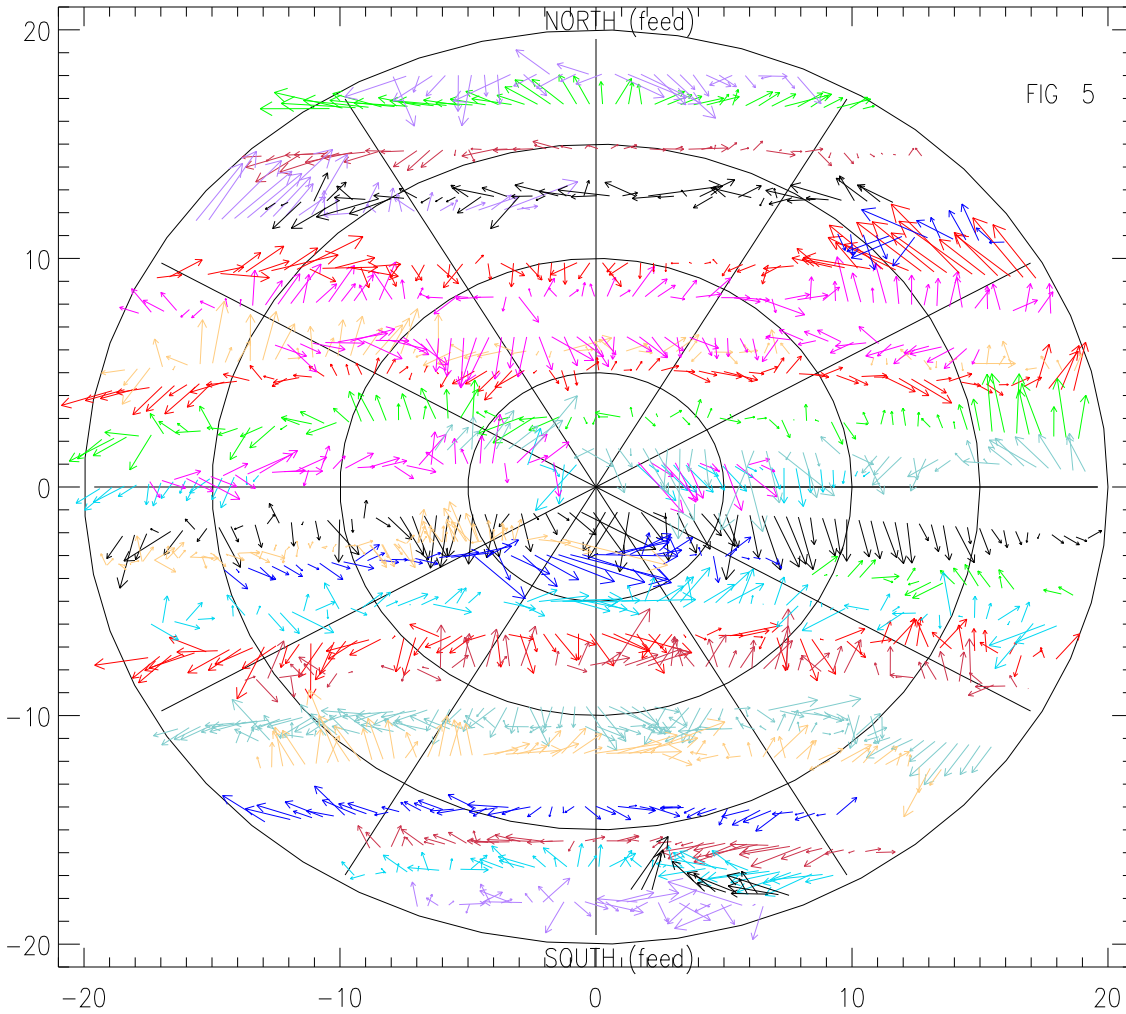
az Residuals asecs



sample

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



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