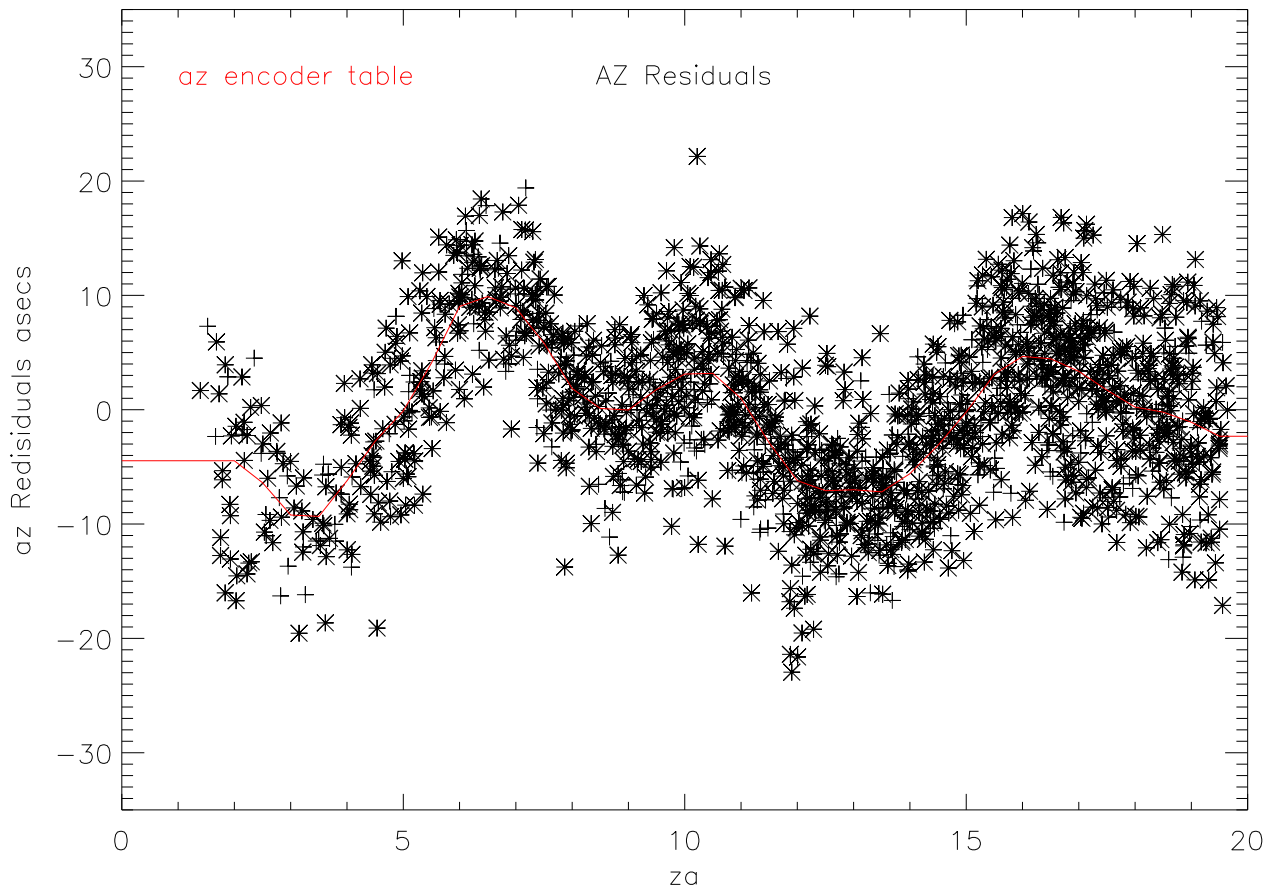
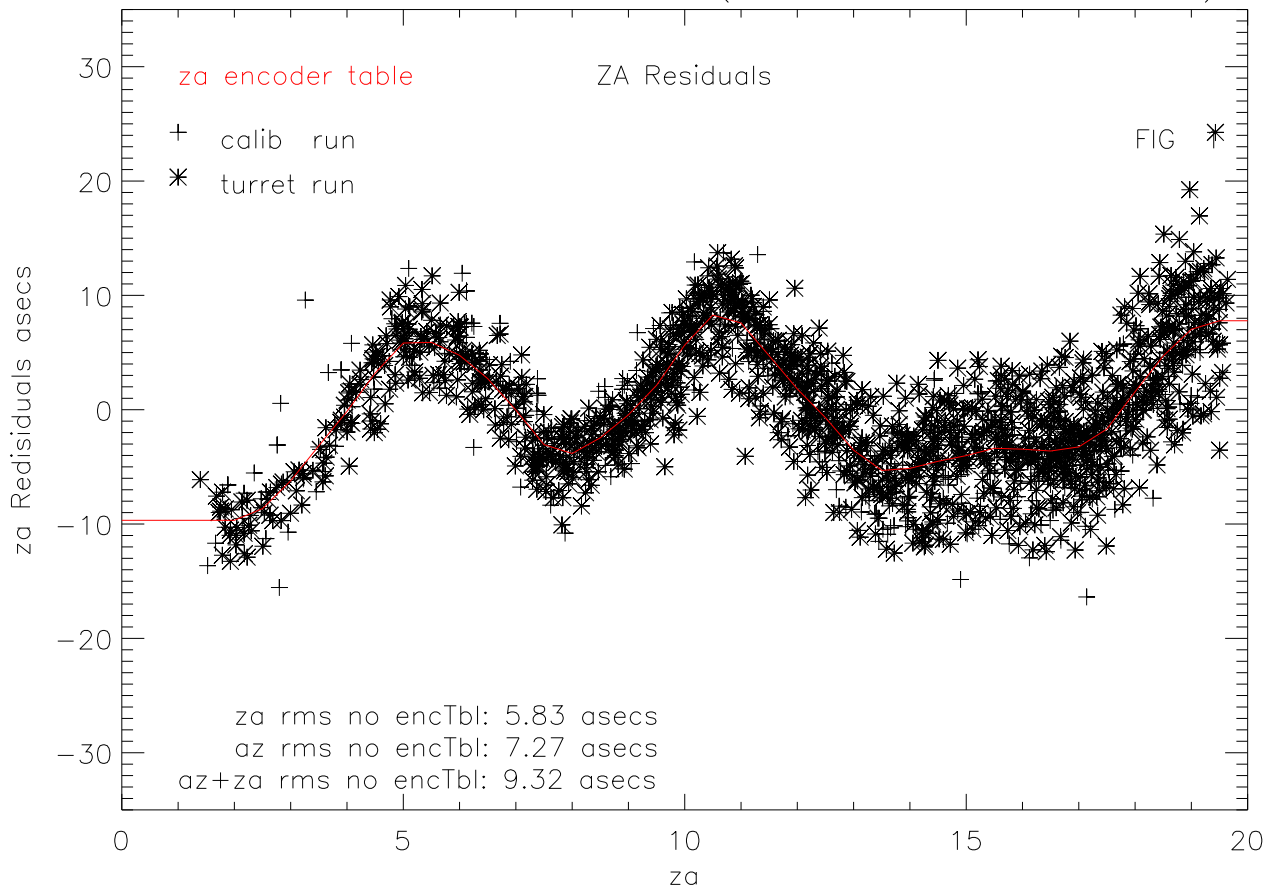
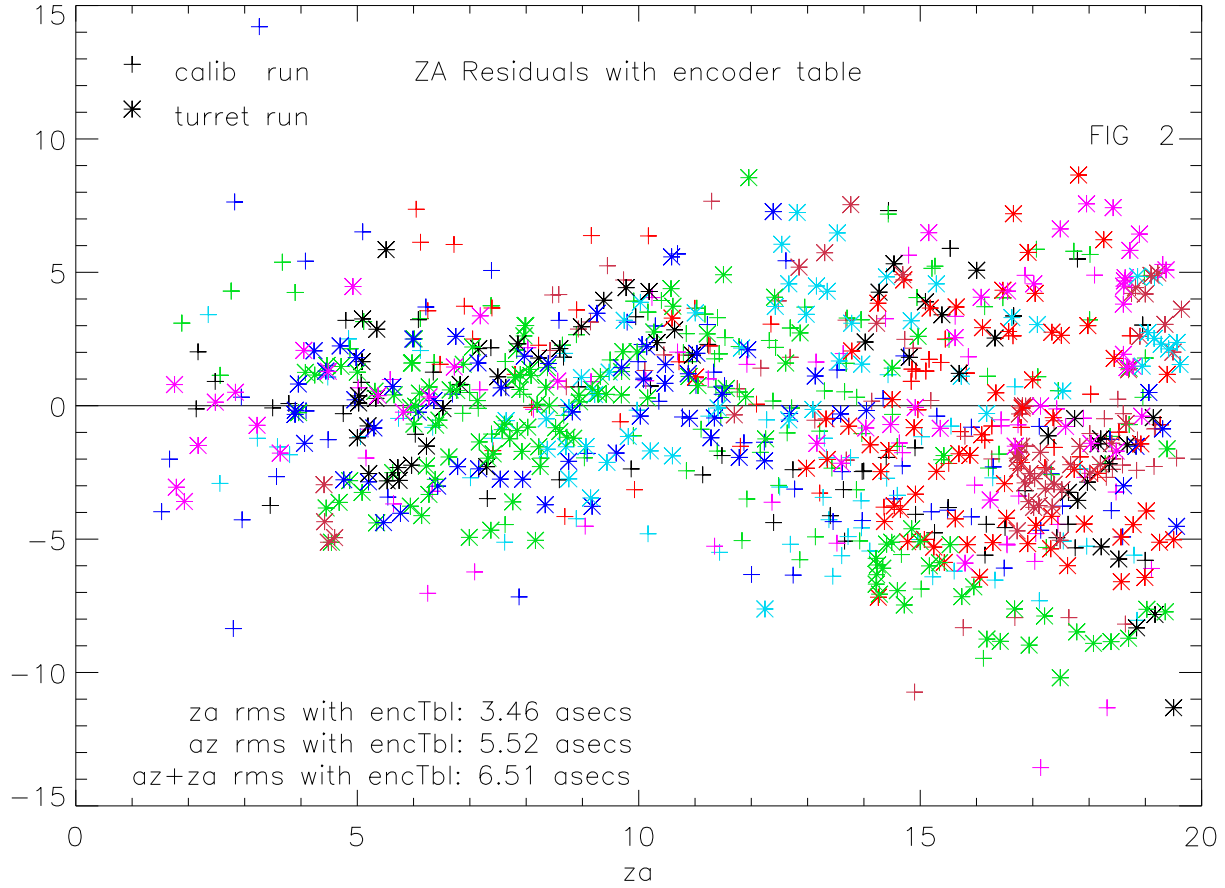


model13 residuals za,az vs za. (encoder table not included)

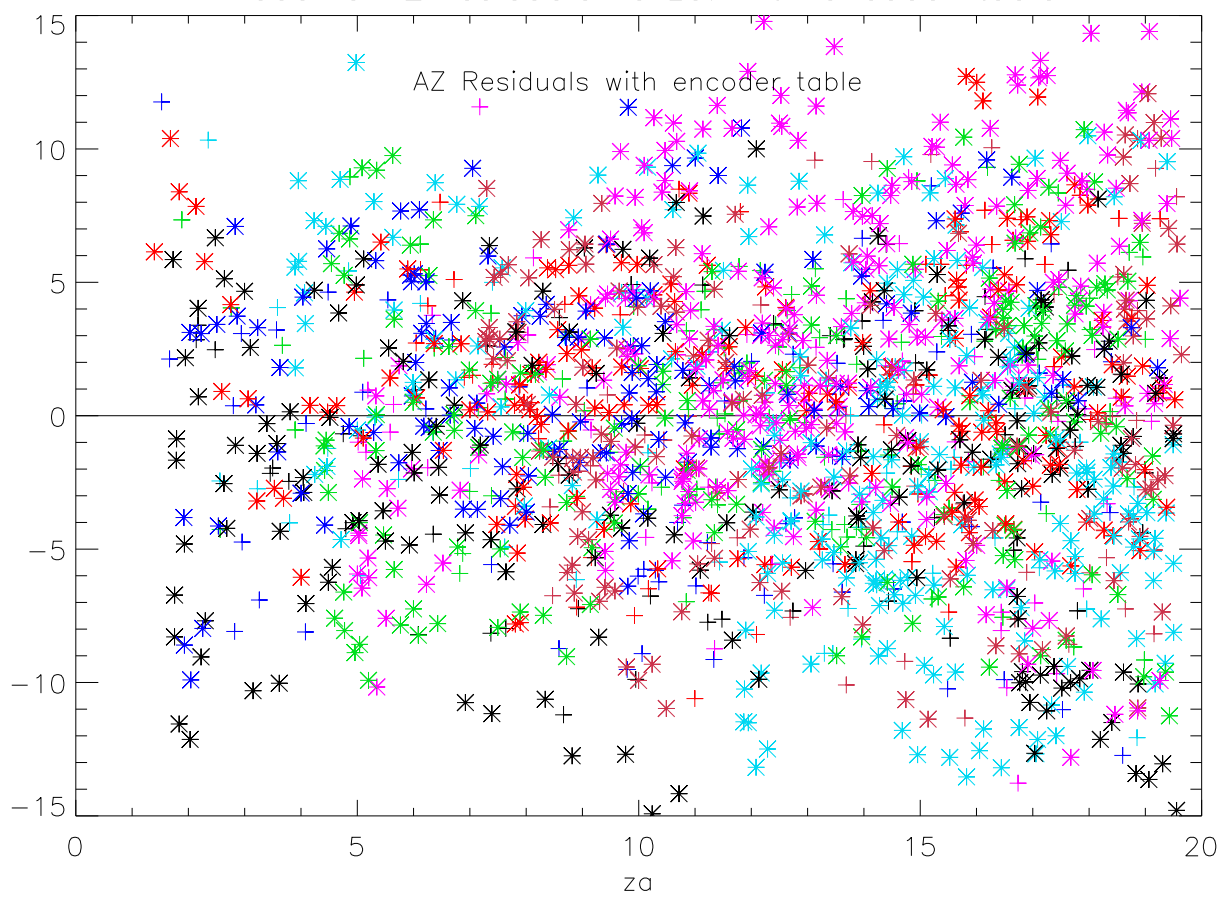


- J1941+104
- B0134+329
- B0518+165
- B1618+177
- J1845+098
- B0340+048
- B2328+107
- B2345+184
- B2230+114
- B2018+295
- B2209+080
- B2337+220
- B2210+016
- B2041+170
- B2249+185
- B1622+238
- B1829+290
- B1857+129
- J2052+365
- B0428+205
- B2128+048
- B0231+313
- B1345+125
- B1328+254
- B1615+212
- J2148+069
- J0042+233
- J2316+040
- J0108+015
- J0130+261
- J0141+138
- J0321+123
- J0442-002
- J0502+061
- J0725+144
- J0854+201
- J1041+027
- J1215+348
- J1520+202
- J0242+110
- J0519+277
- J0624+320
- J0119+321
- J0738+177
- J2340+223
- J0119+084
- J0256+094
- J0532+075
- J0804+302
- J2035+189

model13 ZA residuals vs za. with encoder table

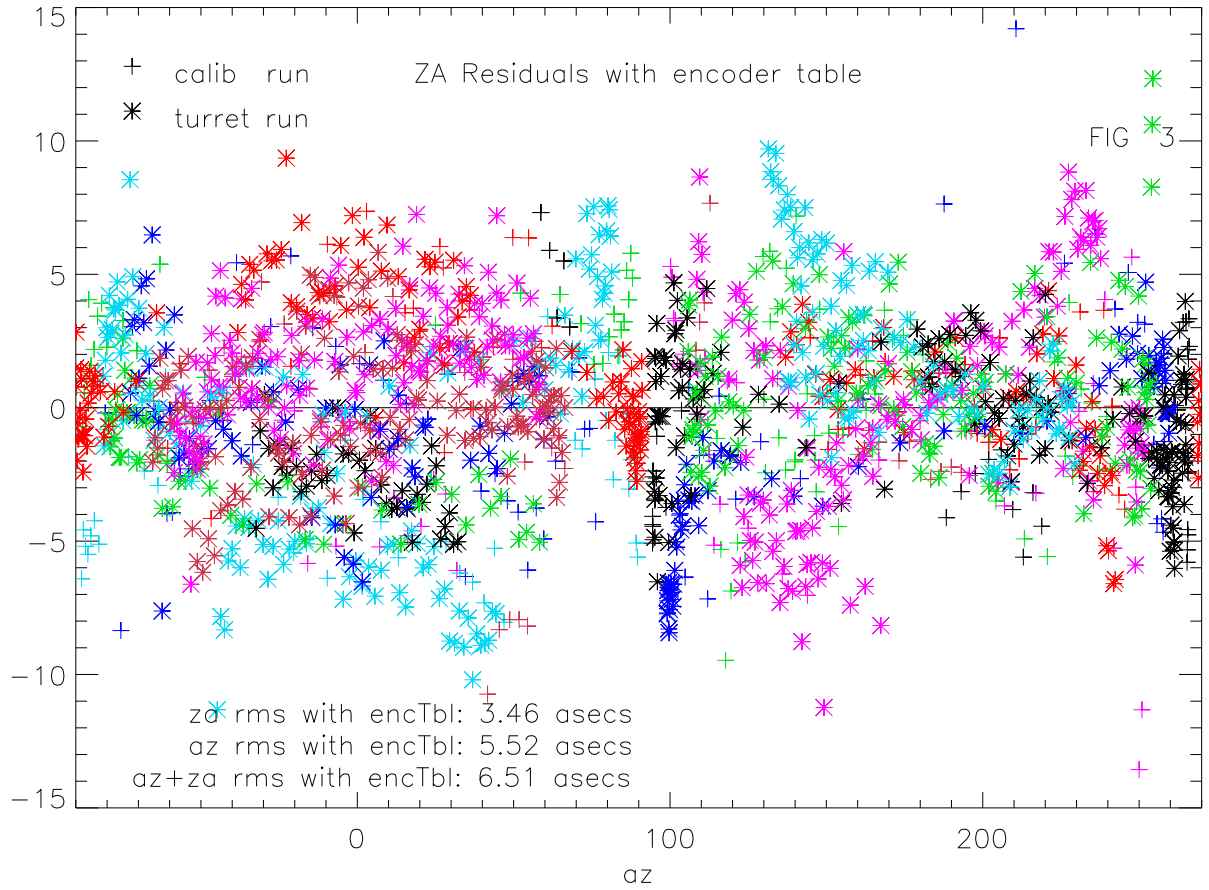


model13 AZ residuals vs za. with encoder table

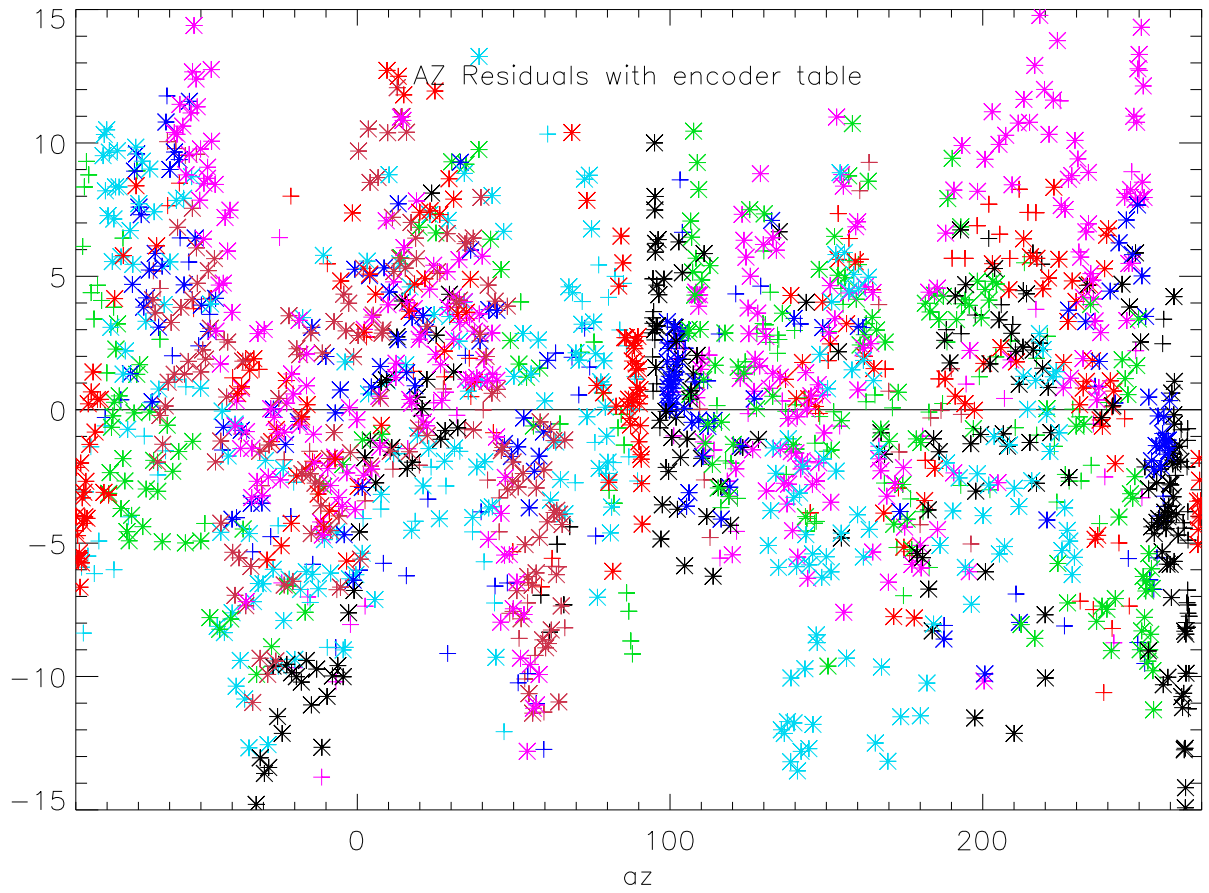


- J1941+104
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- B1618+177
- J1845+098
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- B2345+184
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- B1615+212
- J2148+069
- J0042+233
- J2316+040
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- J0130+261
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- J1215+348
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- J0738+177
- J2340+223
- J0119+084
- J0256+094
- J0532+075
- J0804+302
- J2035+189

model13 ZA residuals vs az. with encoder table

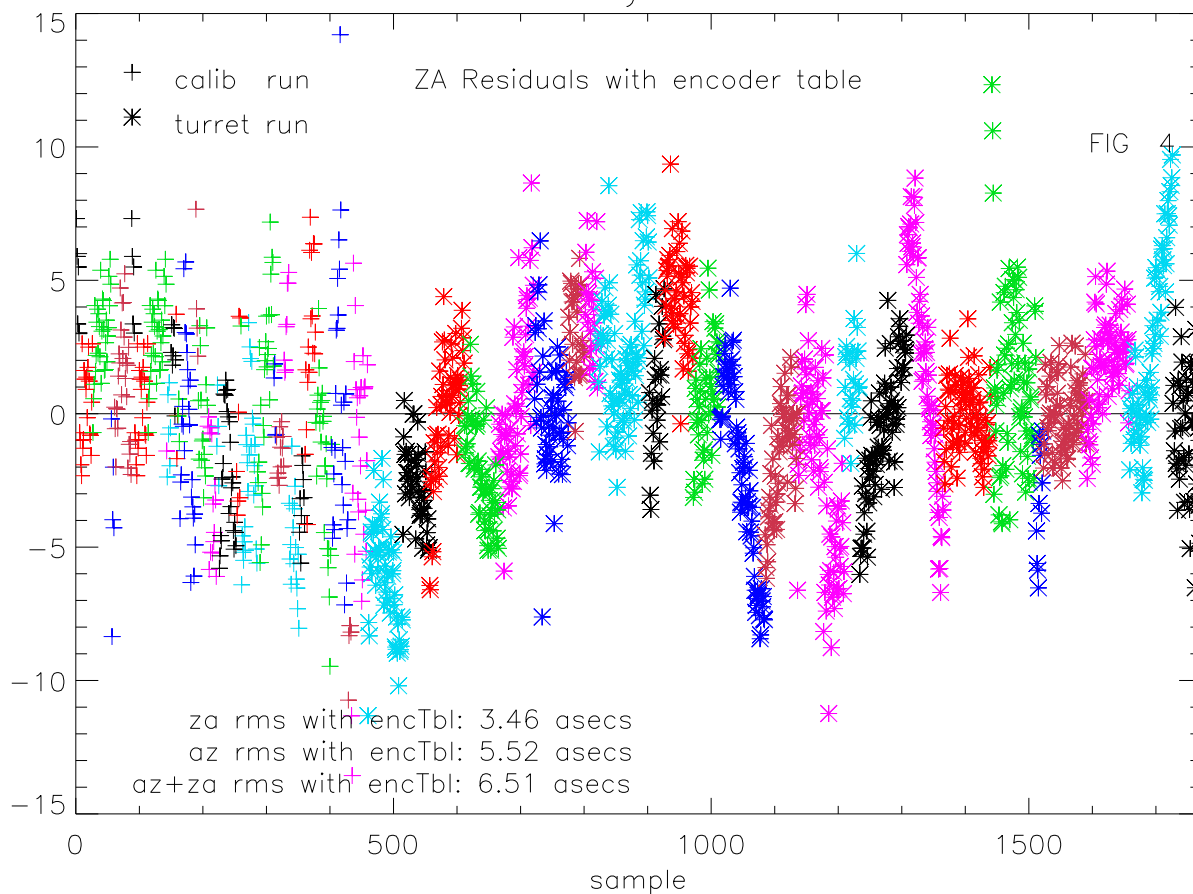


model13 AZ residuals vs az. with encoder table

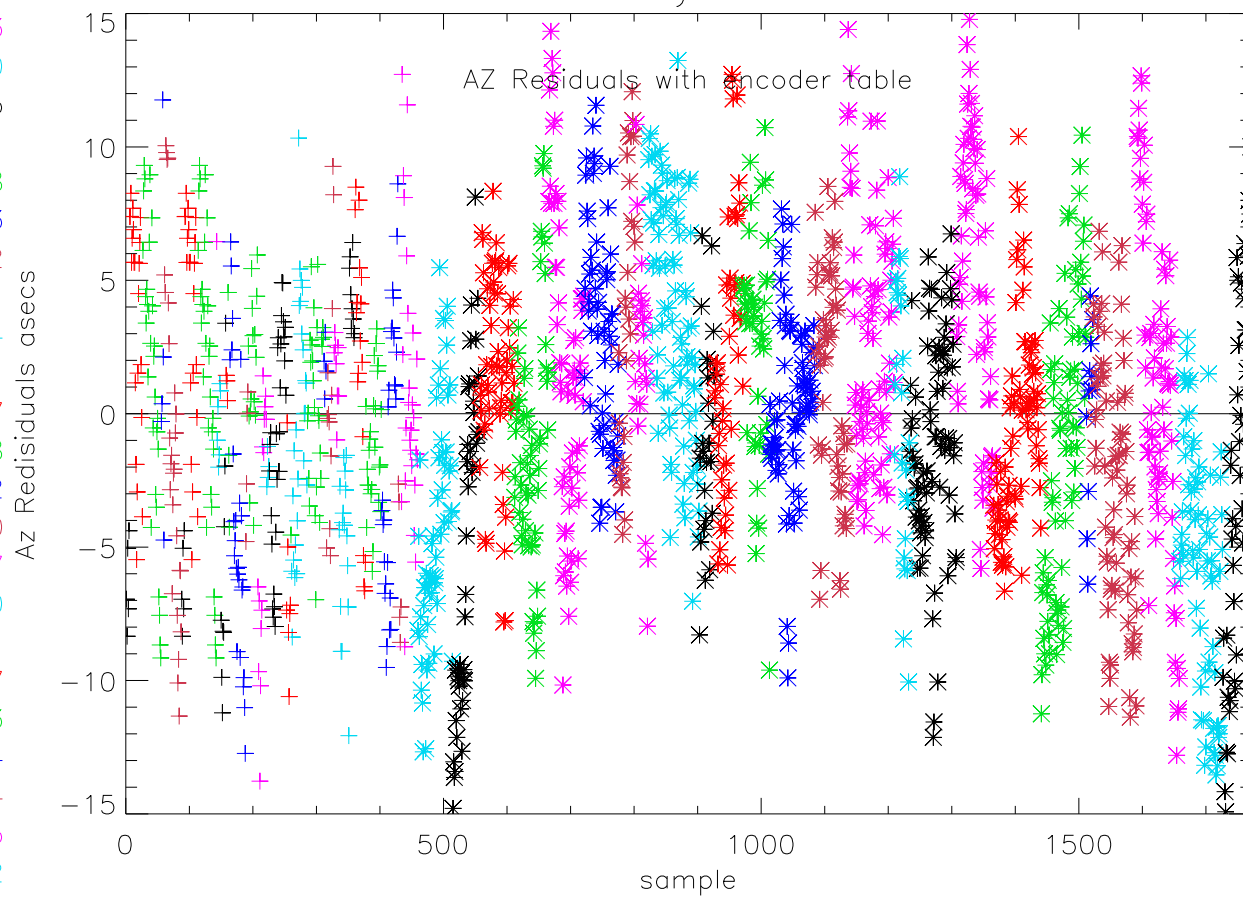


- J1941+104
- B0134+329
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- J0738+177
- J2340+223
- J0119+084
- J0256+094
- J0532+075
- J0804+302
- J2035+189

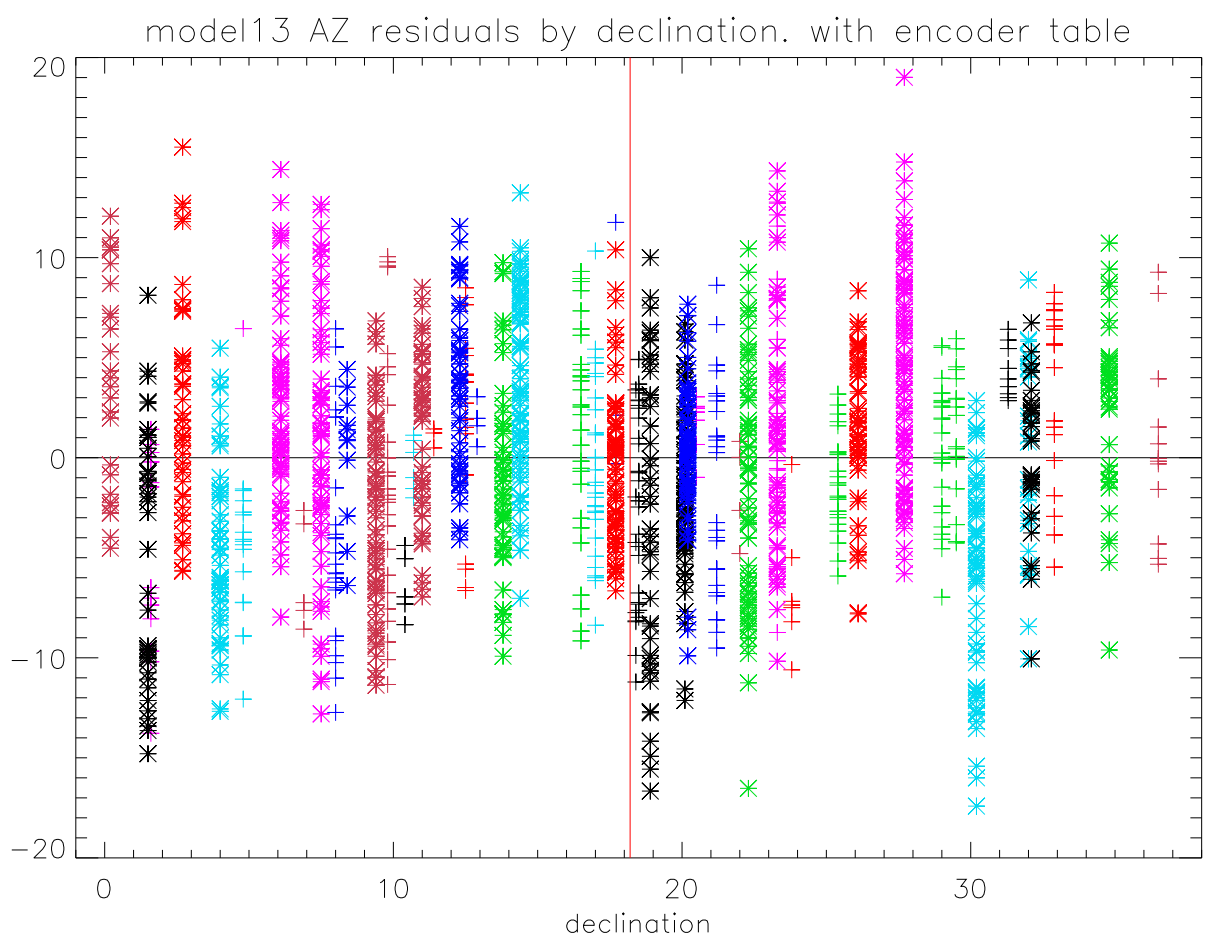
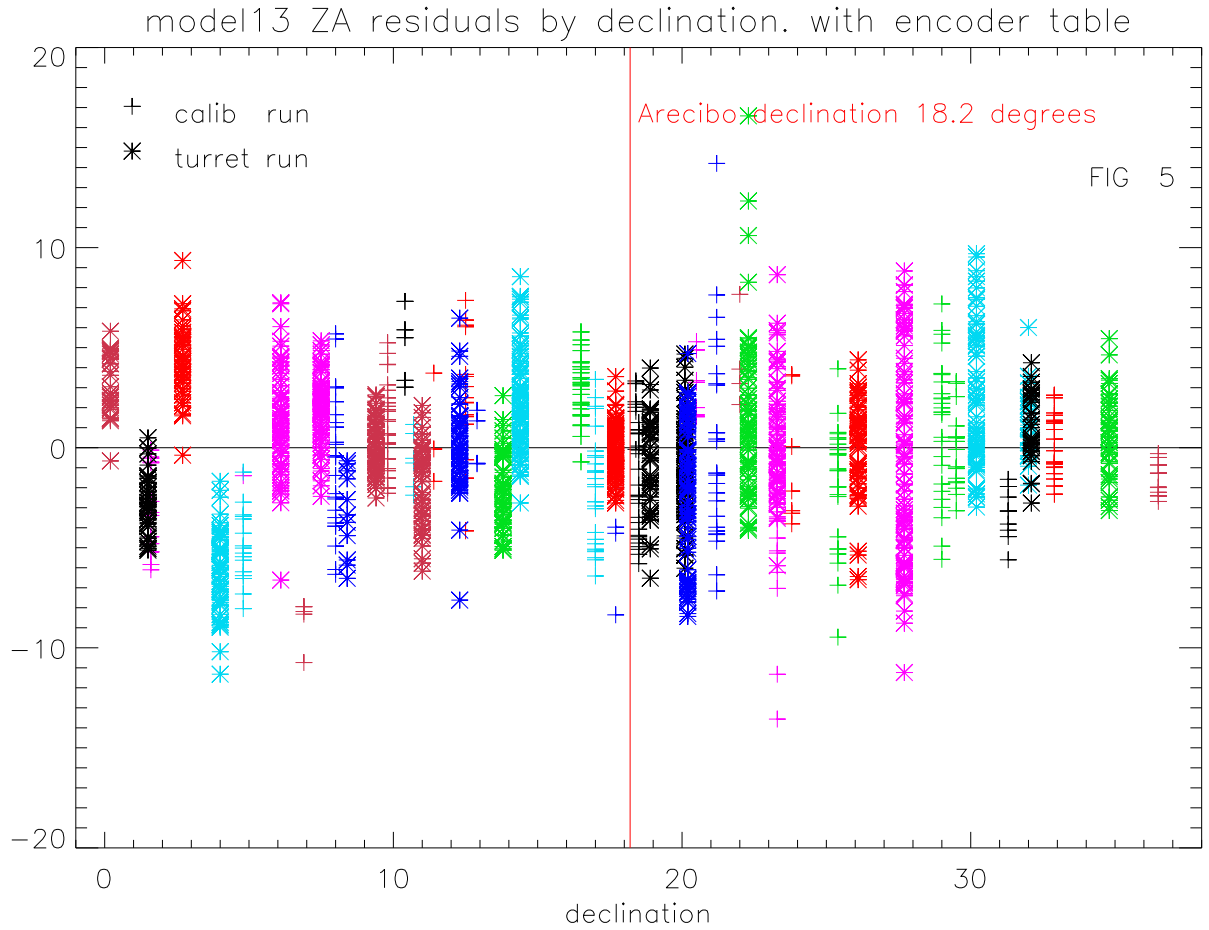
model13 ZA residuals by src. with encoder table



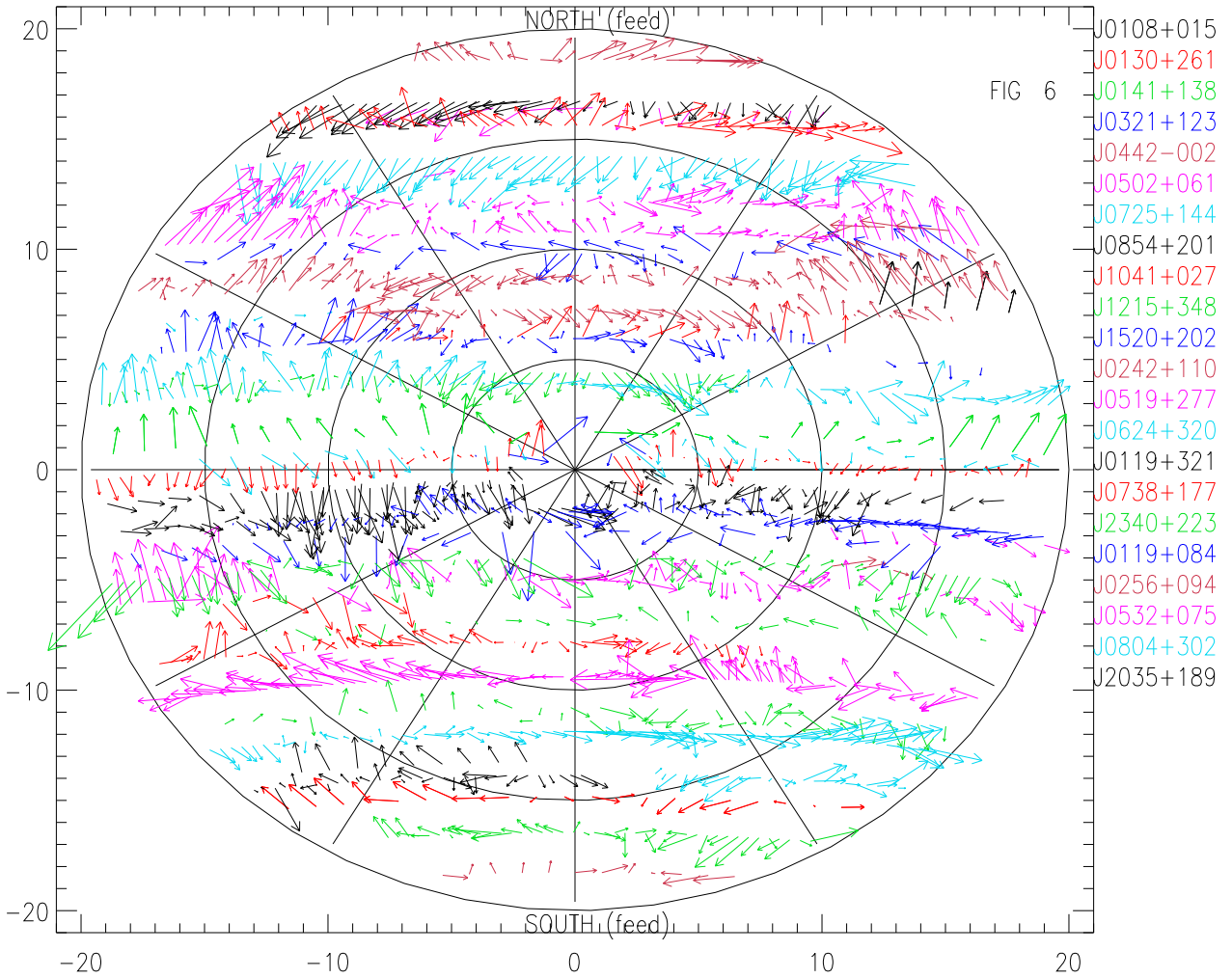
model13 AZ residuals by src. with encoder table



- J1941+104
- B0134+329
- B0518+165
- B1618+177
- J1845+098
- B0340+048
- B2328+107
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- B2018+295
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- B1829+290
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 B1345+125
 B1328+254
 B1615+212
 J2148+069
 J0042+233
 J2316+040



model 13 residuals errors [asecs] with encoder table vs az,za
 1 div= 5.00asecs

errors each 5.0deg
 za max avg rms
 all 20.4 5.7 3.2
 5 16.6 5.5 3.1
 10 16.8 4.6 2.6
 15 20.4 5.4 3.2
 20 20.0 6.6 3.4

az	za	model coefficients
-39.29	-98.35	constant
-8.37	-99.44	cos(az)
97.29	-8.62	sin(az)
494.56	320.43	sin(za)
-853.92	-420.45	sin(za)**2
-23.59	-10.84	cos(3az)
-13.42	-7.59	sin(3az)
9.46	-6.49	sin(za-balance)*cos(3az)
102.06	-0.90	sin(za-balance)*sin(3az)
3.13	0.20	cos(2az)
-1.85	0.49	sin(2az)
-2.09	-0.16	cos(6az)
0.74	-0.02	sin(6az)

npts	chisqaz	chisqza	rmsAz	rmsZa	rmsTot
1771	93462.6	60158.3	7.27	5.83	9.32
			5.52	3.46	6.51

model
 model + encTable