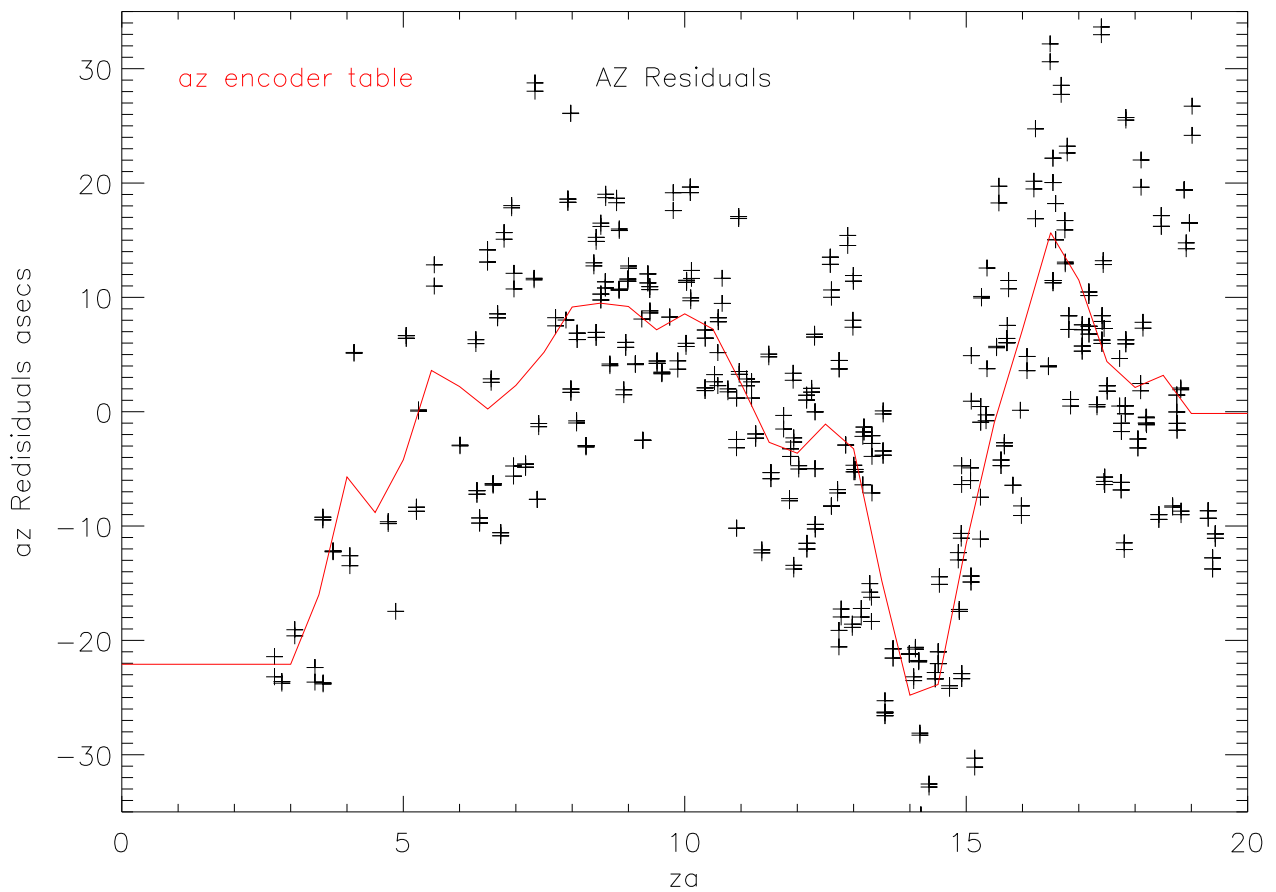
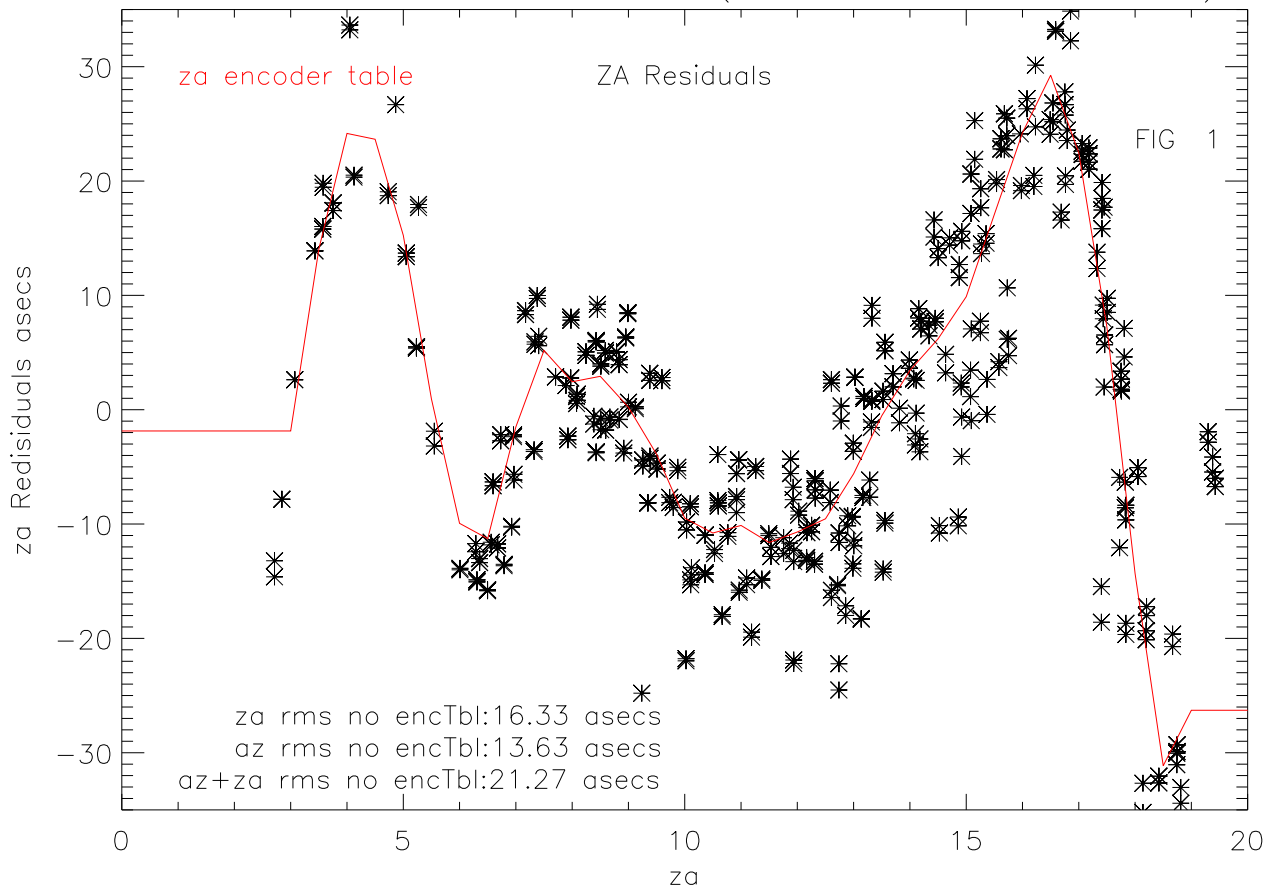
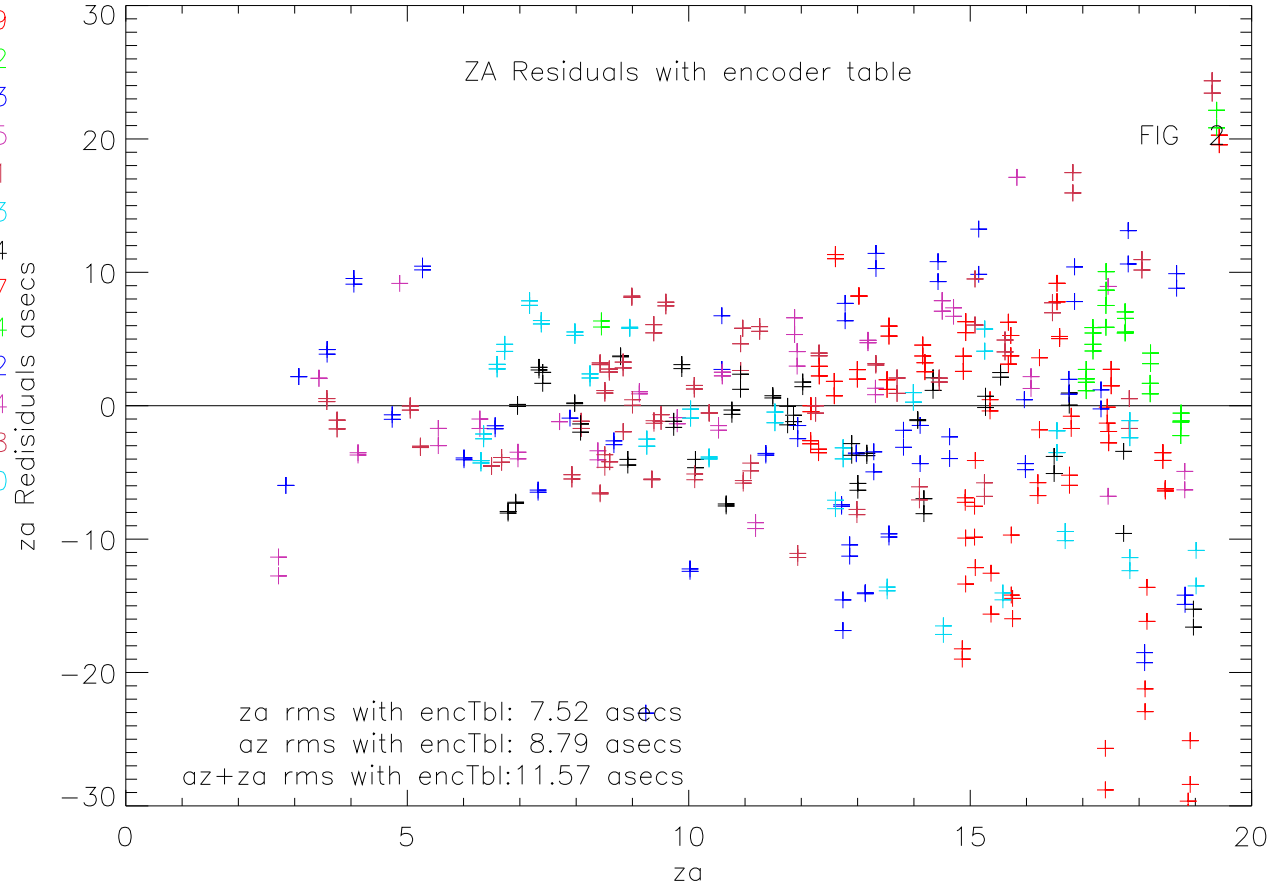


model16 residuals za,az vs za. (encoder table not included)

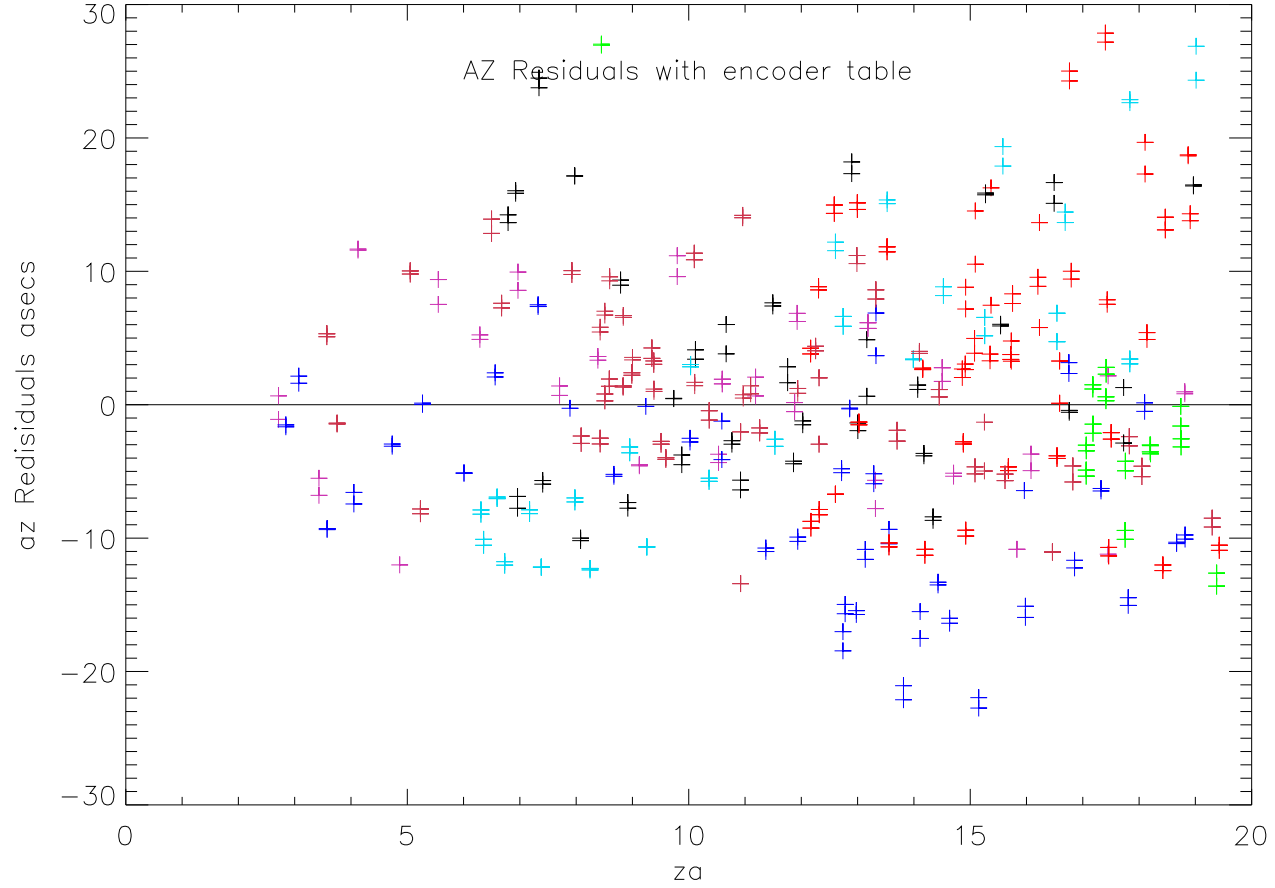


- B0017+154
- B0134+329
- B0316+162
- B0320+053
- B0518+165
- B0831+171
- B1040+123
- B1328+254
- B1328+307
- B1602+014
- B1615+212
- B1756+134
- B1843+098
- B2209+080

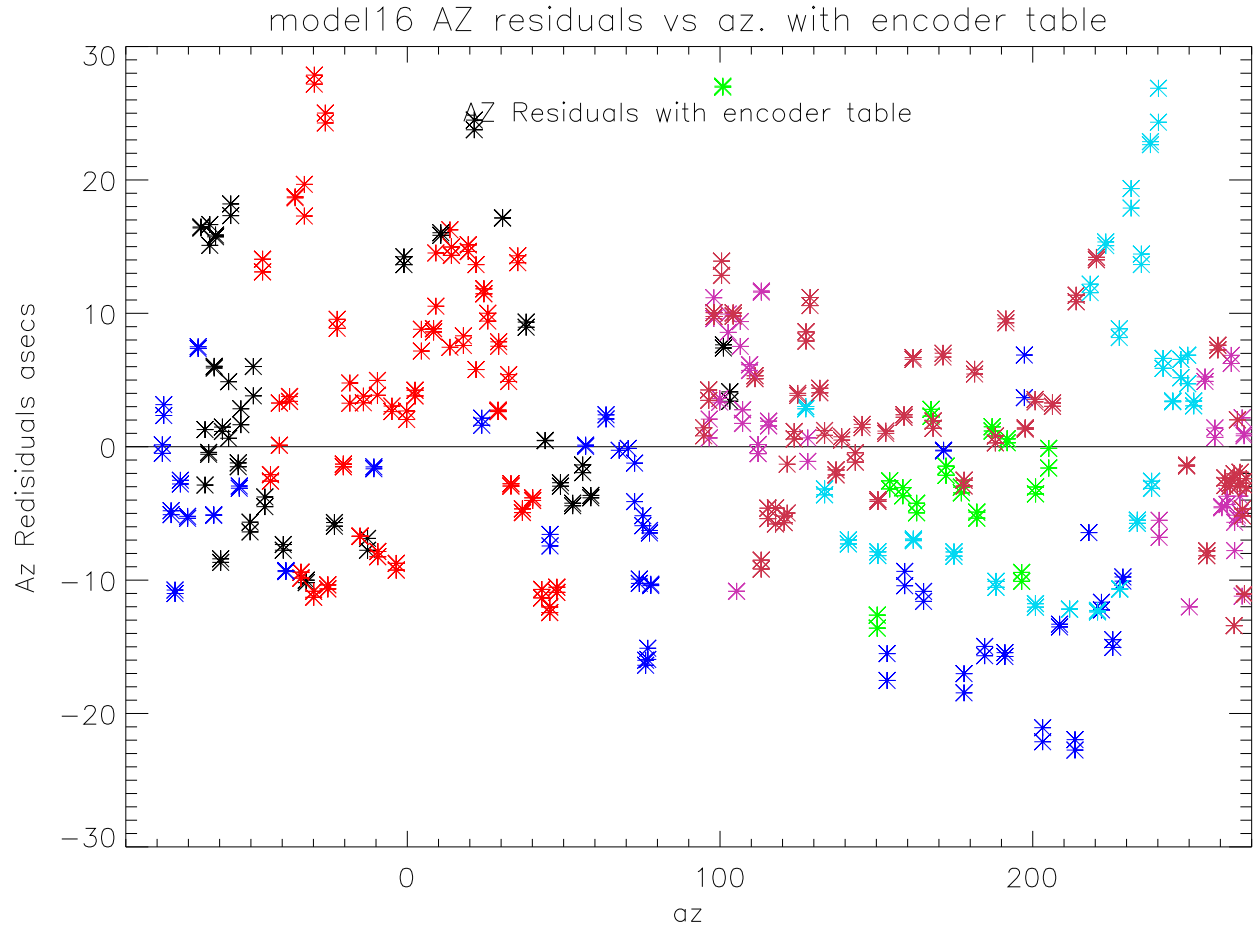
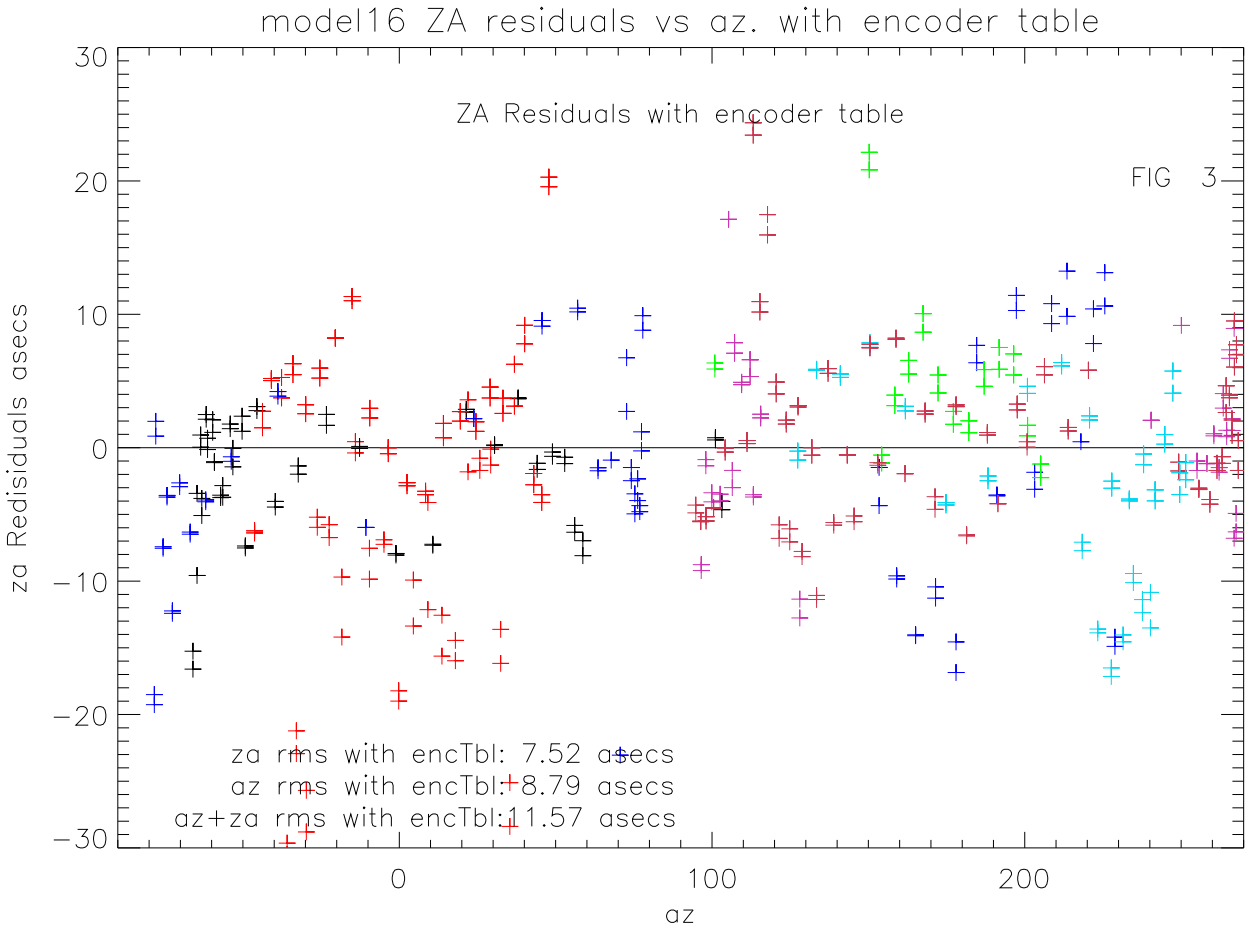
model16 ZA residuals vs za. with encoder table



model16 AZ residuals vs za. with encoder table

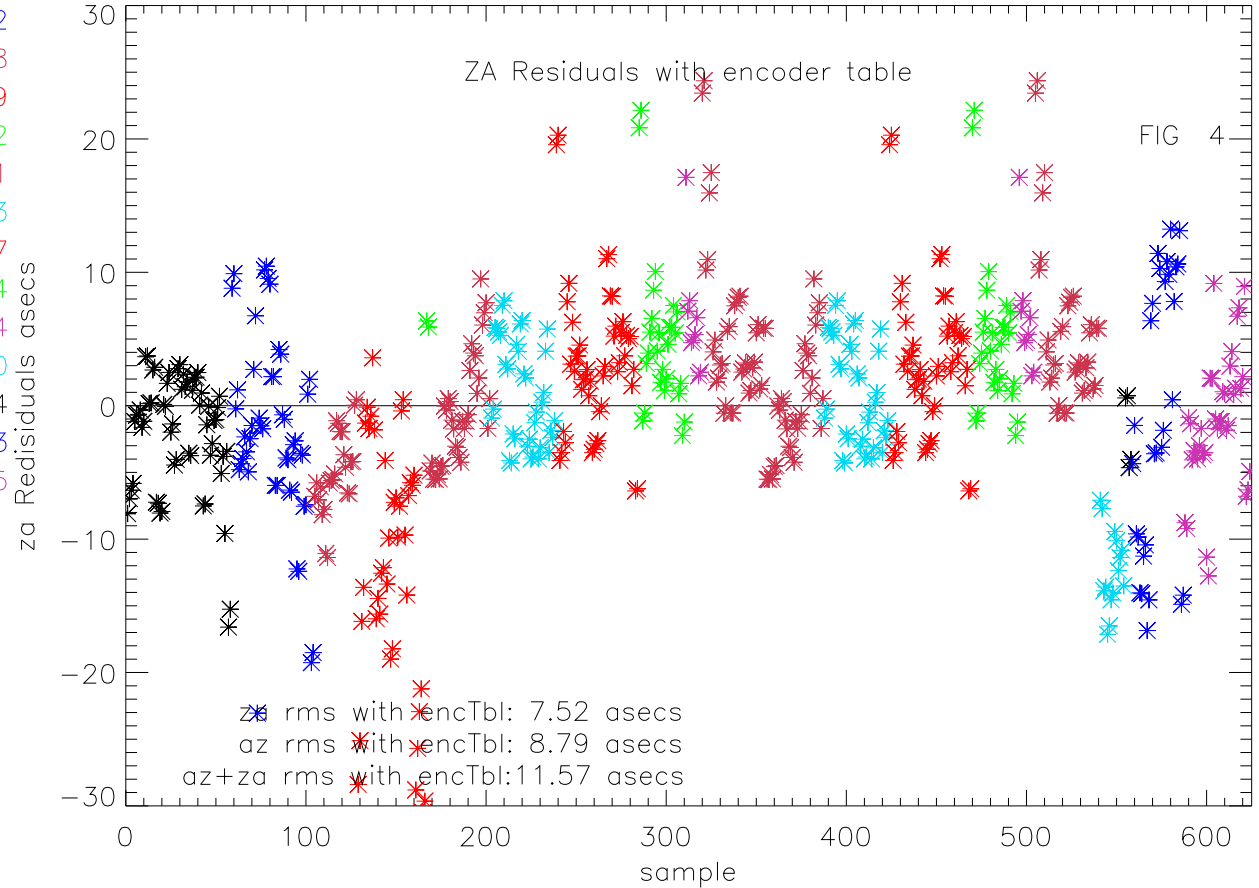


- B0017+154
- B0134+329
- B0316+162
- B0320+053
- B0518+165
- B0831+171
- B1040+123
- B1328+254
- B1328+307
- B1602+014
- B1615+212
- B1756+134
- B1843+098
- B2209+080

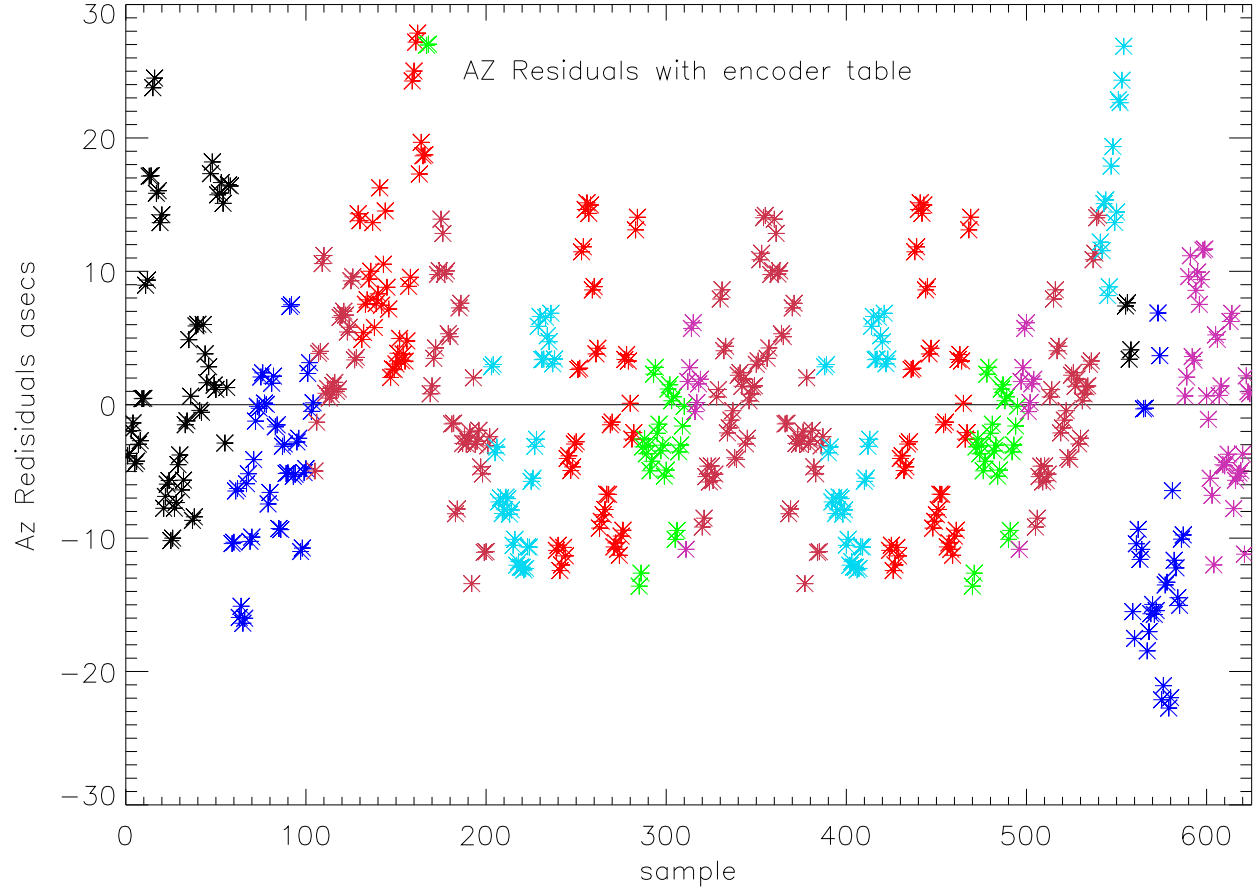


- B1328+254
- B1615+212
- B1843+098
- B0134+329
- B0316+162
- B0831+171
- B1040+123
- B1328+307
- B1602+014
- B1756+134
- B2209+080
- B0017+154
- B0320+053
- B0518+165

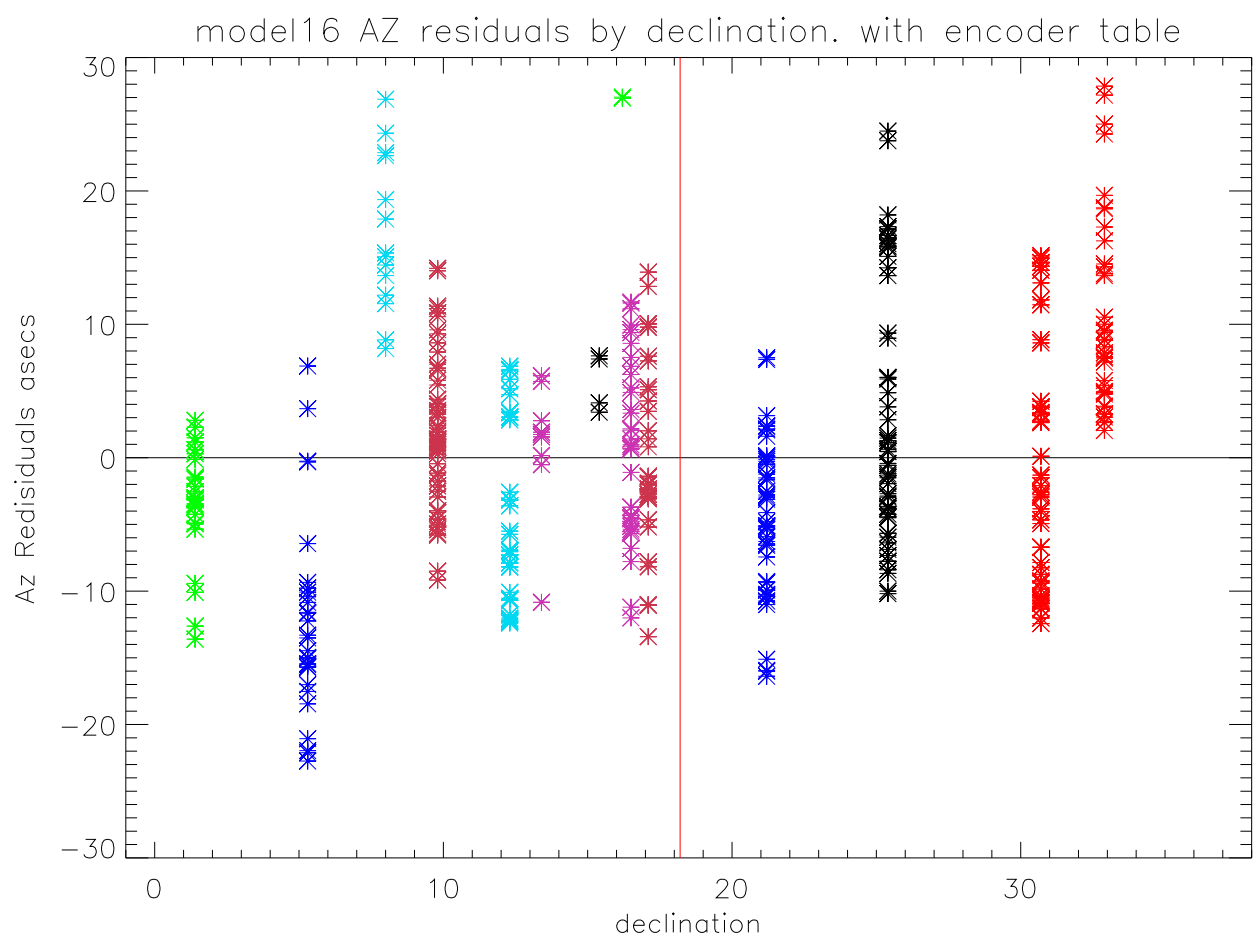
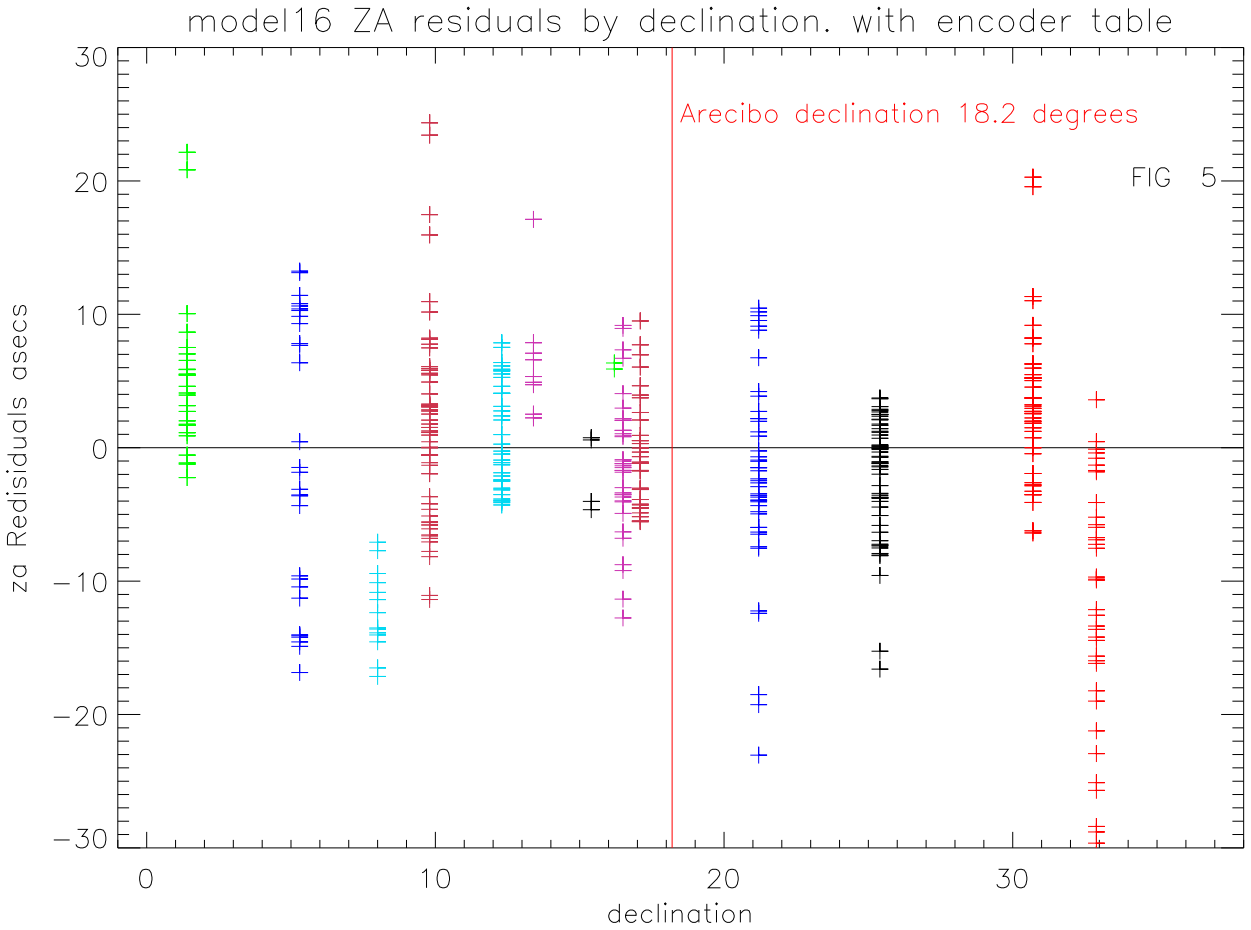
model16 ZA residuals by src. with encoder table

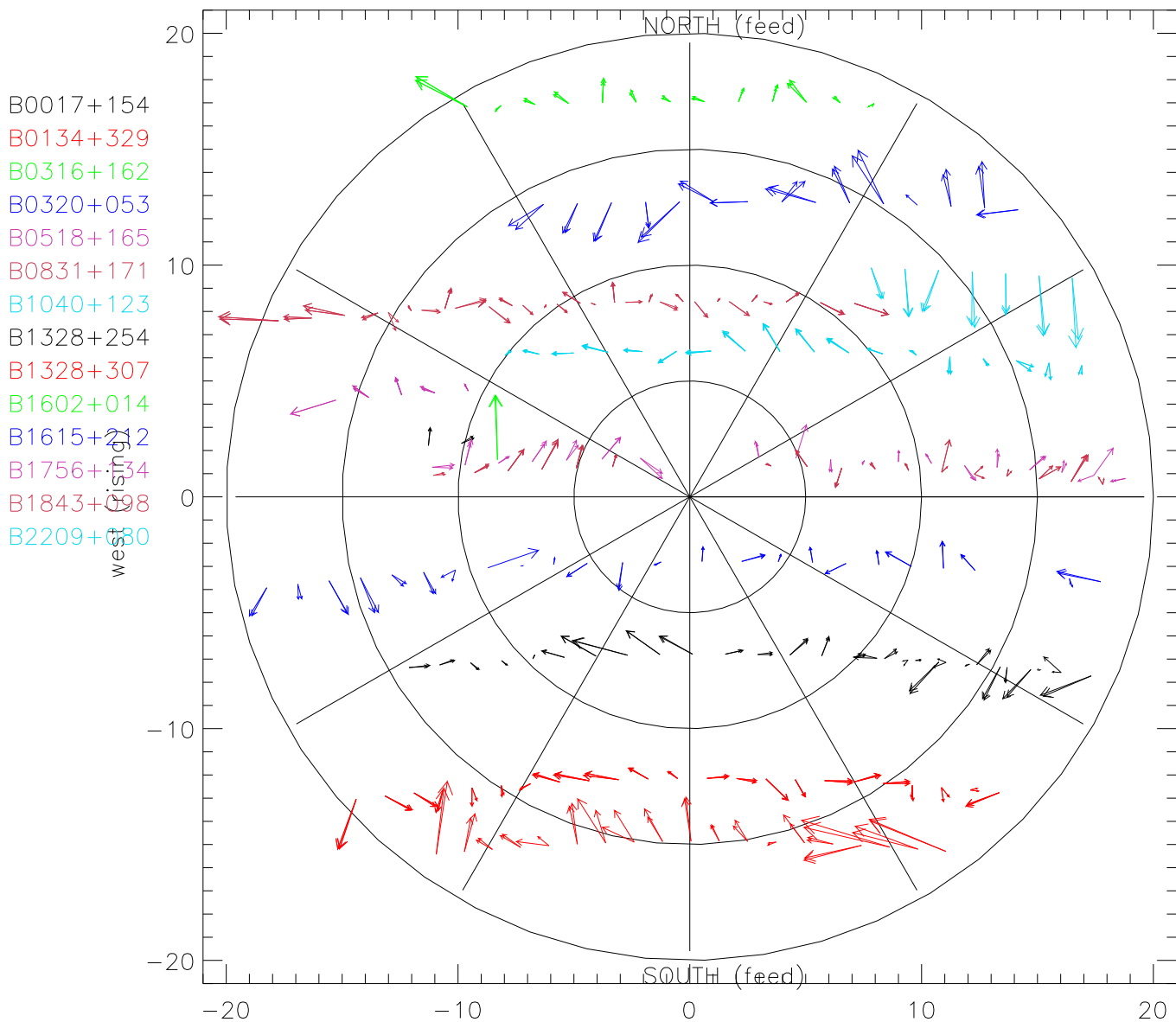


model16 AZ residuals by src. with encoder table



- B0017+154
- B0134+329
- B0316+162
- B0320+053
- B0518+165
- B0831+171
- B1040+123
- B1328+254
- B1328+307
- B1602+014
- B1615+212
- B1756+134
- B1843+098
- B2209+080





model 16 residuals errors [asecs] with encoder table vs az,za

1 div=10.00Asecs

errors each 5.0deg

za	max	avg	rms
all	39.6	9.7	6.4
5	15.1	6.9	4.2
10	27.7	8.6	4.9
15	25.0	8.9	5.0
20	39.6	11.7	8.1

az	za	model coefficients
67.53	-46.37	constant
-6.19	96.58	cos(az)
-94.86	6.81	sin(az)
-1612.47	172.49	sin(za)
1450.15	-336.21	sin(za)**2
19.54	13.65	cos(3az)
15.42	8.17	sin(3az)
-12.44	-47.57	sin(za-balance)*cos(3az)
13.61	0.26	sin(za-balance)*sin(3az)
4.44	-0.72	cos(2az)
-2.34	0.06	sin(2az)
-4.70	2.68	cos(6az)
-0.62	1.91	sin(6az)

npts	chisqaz	chisqza	rmsAz	rmsZa	rmsTot	
624	*****	*****	13.63	16.33	21.27	model
			8.79	7.52	11.57	model + encTable