

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4210 - L2 Version 3
Chandra X-Ray Center

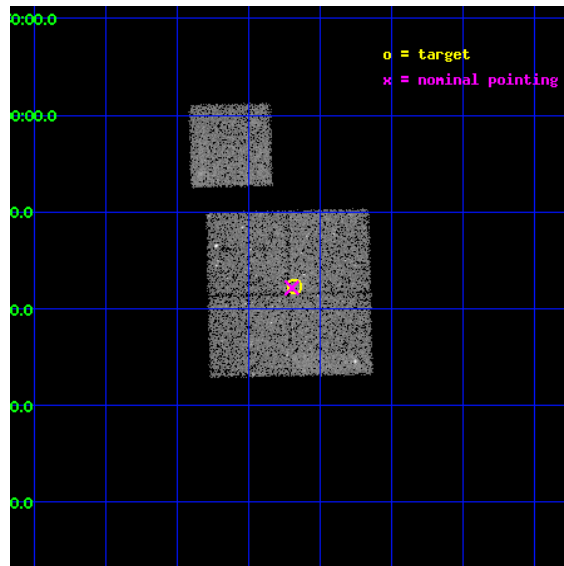
L2 Processing Date : Oct 24 2012

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1 Front

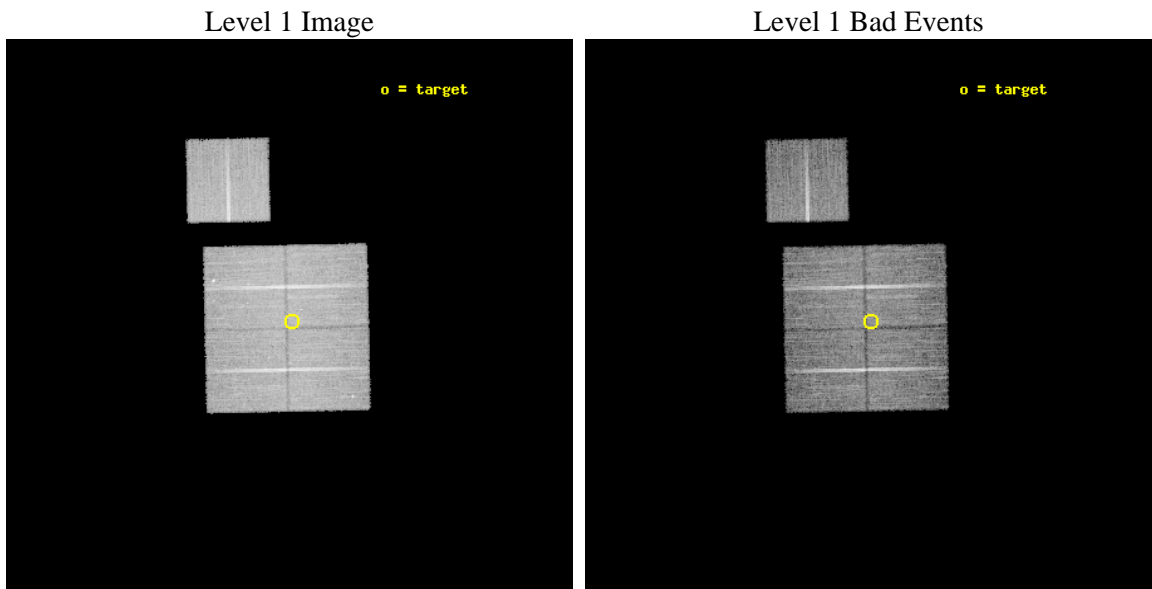
seq_num	800366	Sequence number
obs_id	4210	Observation id
title	CHANDRA OBSERVATIONS OF DLS SHEAR-SELECTED CLUSTERS	Proposal title
observer	Prof. John Hughes	Principal investigator
object	DLS J1049-0417	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.420833	Observer's specified target RA [deg]
dec_targ	-4.295556	Observer's specified target Dec [deg]
ra_nom	162.42506324627	Nominal RA [deg]
dec_nom	-4.2974452350935	Nominal Dec [deg]
roll_nom	358.830980034	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20106.559001058	Sum of GTIs [s]
livetime	19843.852005476	Livetime [s]
ontime0	20106.558981061	Sum of GTIs [s]
ontime1	20109.699961305	Sum of GTIs [s]
ontime2	20100.277100474	Sum of GTIs [s]
ontime3	20106.559001058	Sum of GTIs [s]
ontime6	20109.699961305	Sum of GTIs [s]
l2events	46953	Number of level 2 events



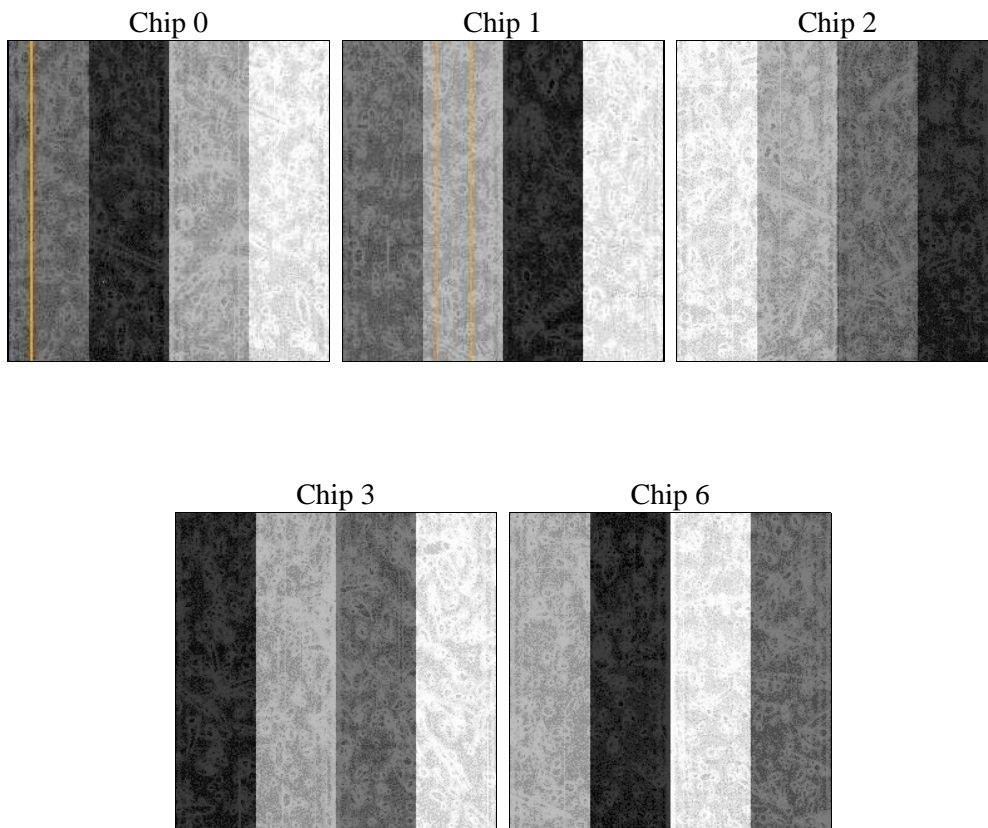
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20106.559001058	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	20106.558981061	Sum of GTIs [s]
date	2012-10-24T13:37:16	Date and time of file creation	ontime1	20109.699961305	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20100.277100474	Sum of GTIs [s]
			ontime3	20106.559001058	Sum of GTIs [s]
			ontime6	20109.699961305	Sum of GTIs [s]
			l1events	552944	Number of level 1 events

2.1.4 Events

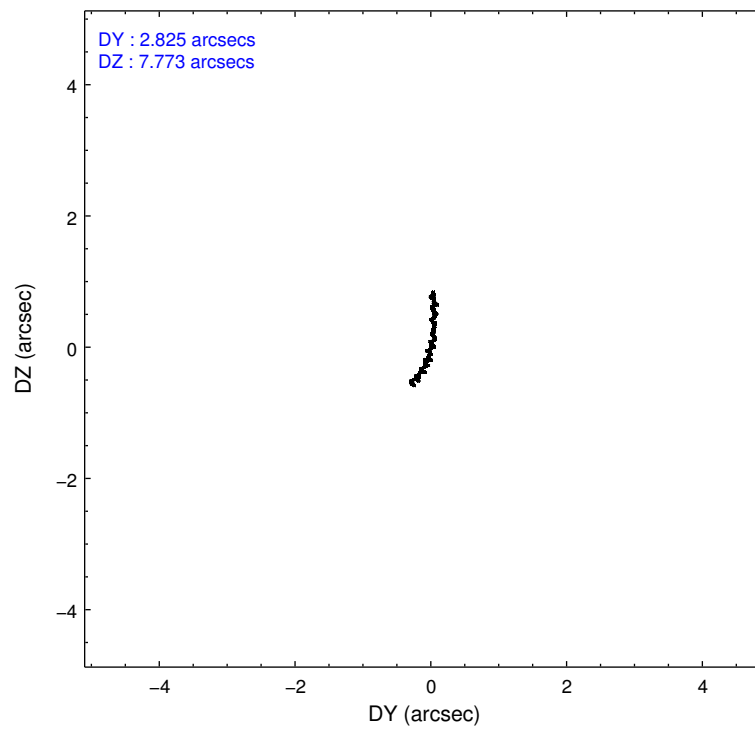
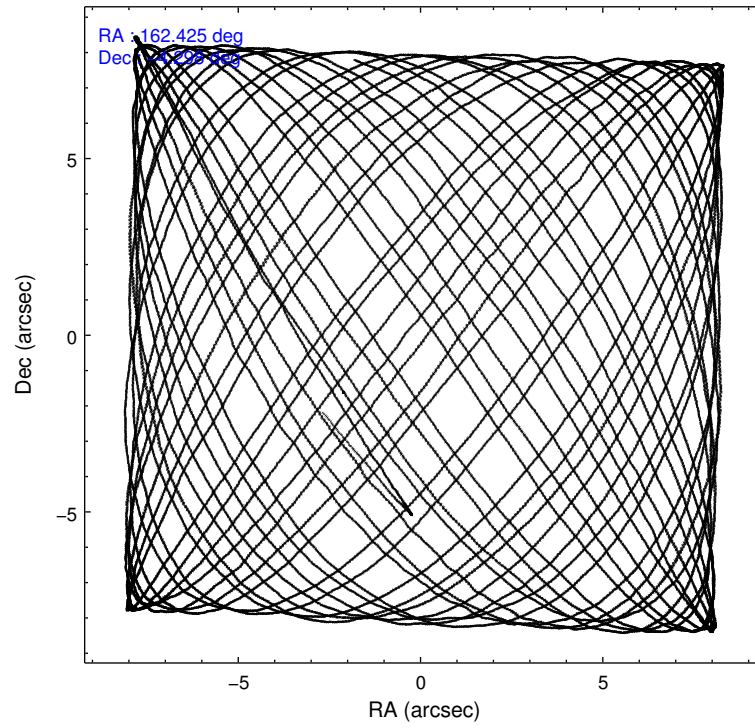
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	102662	106176	119761	113775	110570
rejected events	91563	93798	108128	103371	99635
rejected %	89%	88%	90%	90%	90%

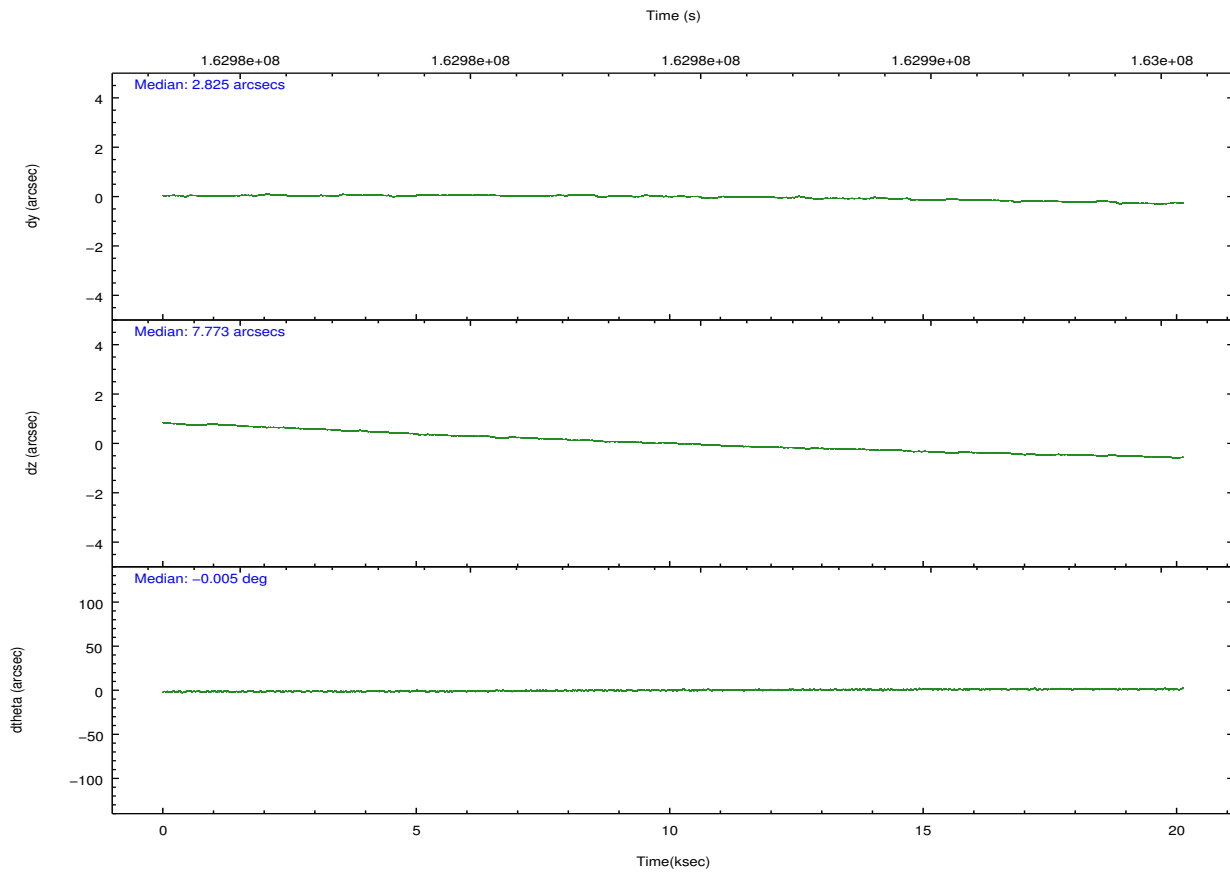
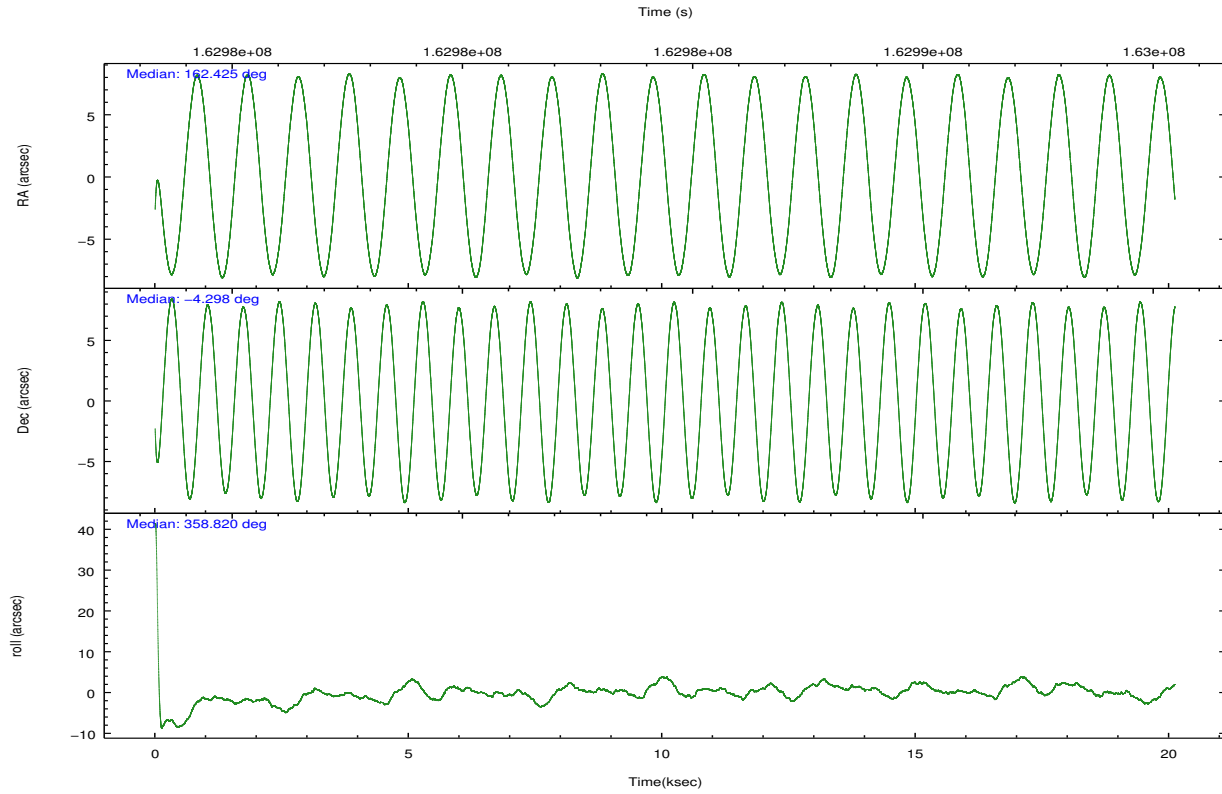
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4107	4871	4845	3954	3829
	4%	4%	4%	3%	3%
grade 1 events	68	54	60	52	41
	0%	0%	0%	0%	0%
grade 2 events	2536	2519	2554	2203	2328
	2%	2%	2%	1%	2%
grade 3 events	1327	1398	1210	1281	1315
	1%	1%	1%	1%	1%
grade 4 events	1207	1416	1319	1227	1320
	1%	1%	1%	1%	1%
grade 5 events	3972	3997	3687	4274	4285
	3%	3%	3%	3%	3%
grade 6 events	2159	2417	1941	1959	2352
	2%	2%	1%	1%	2%
grade 7 events	87286	89504	104145	98825	95100
	85%	84%	86%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	162.401079	162.4250632462655	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.310755	-4.297445235093496	Alternating exposures requested	N	N
[deg] Pointing Roll	358.620459	358.8309800340024	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	162974460.184000	162973300.93563			
Observation start date	2003-03-02T06:39:56	2003-03-02T06:21:40			
[s] Observation end time (MET)	162994460.184000	162995307.68655			
Observation end date	2003-03-02T12:13:16	2003-03-02T12:28:27			
Read mode	TIMED	TIMED			

2.3 Aspect



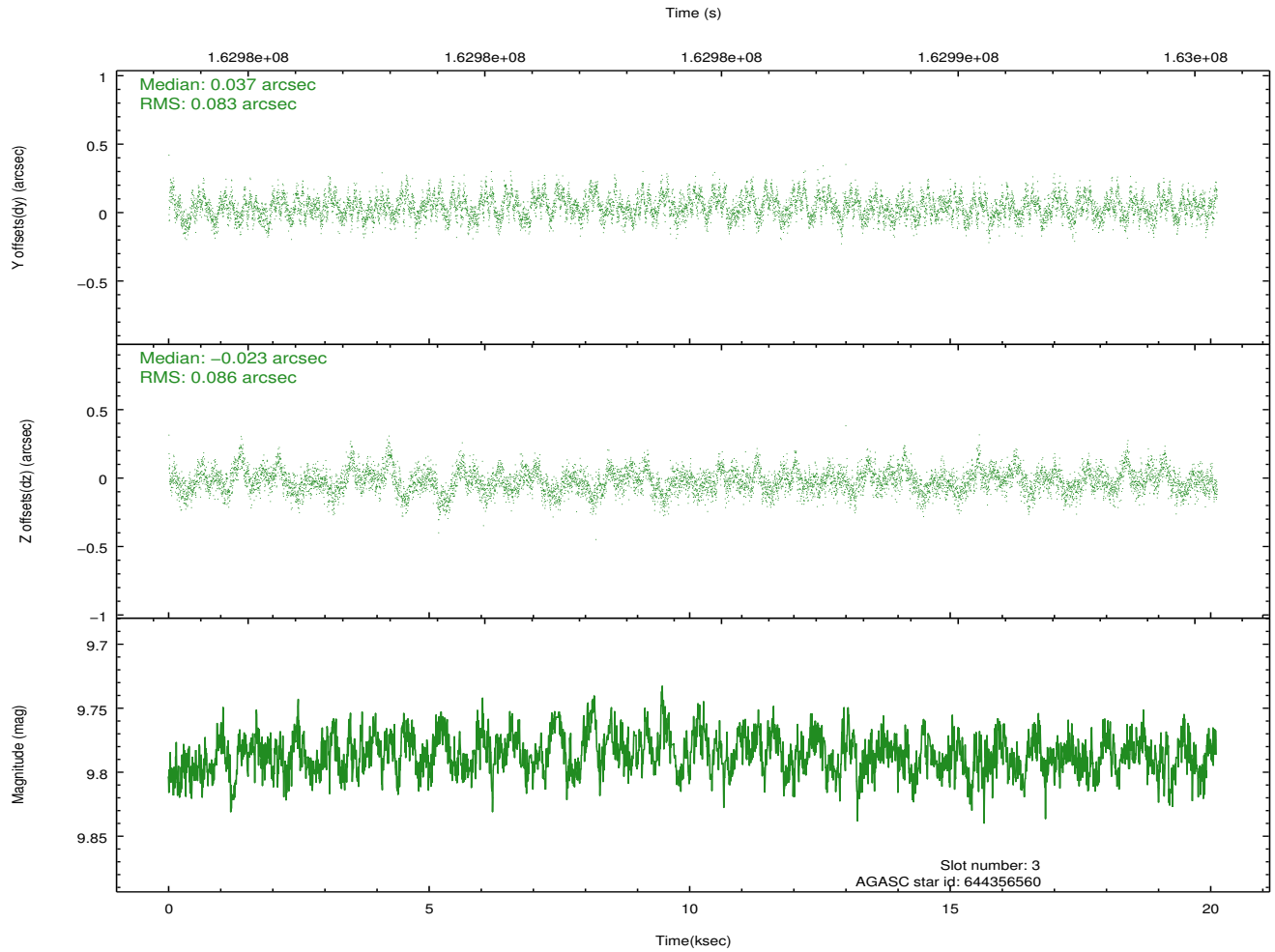
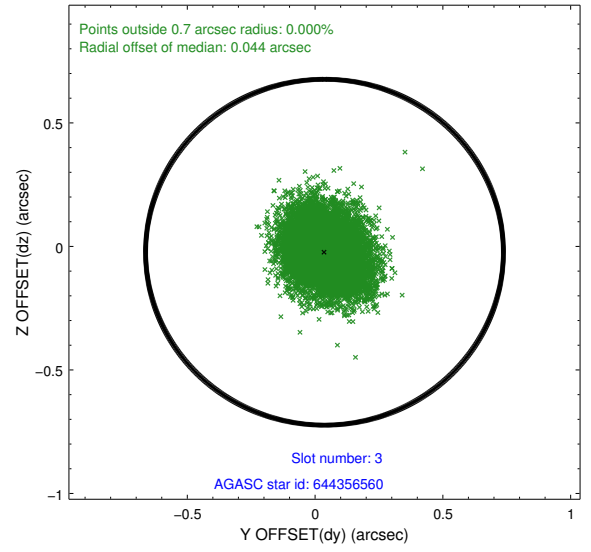
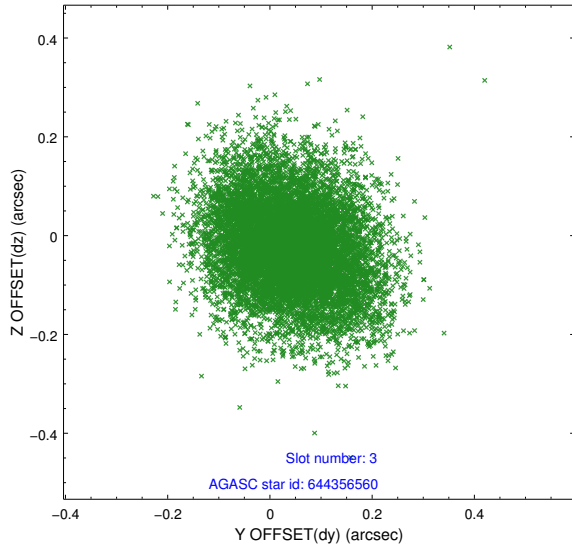


Slot Statistics

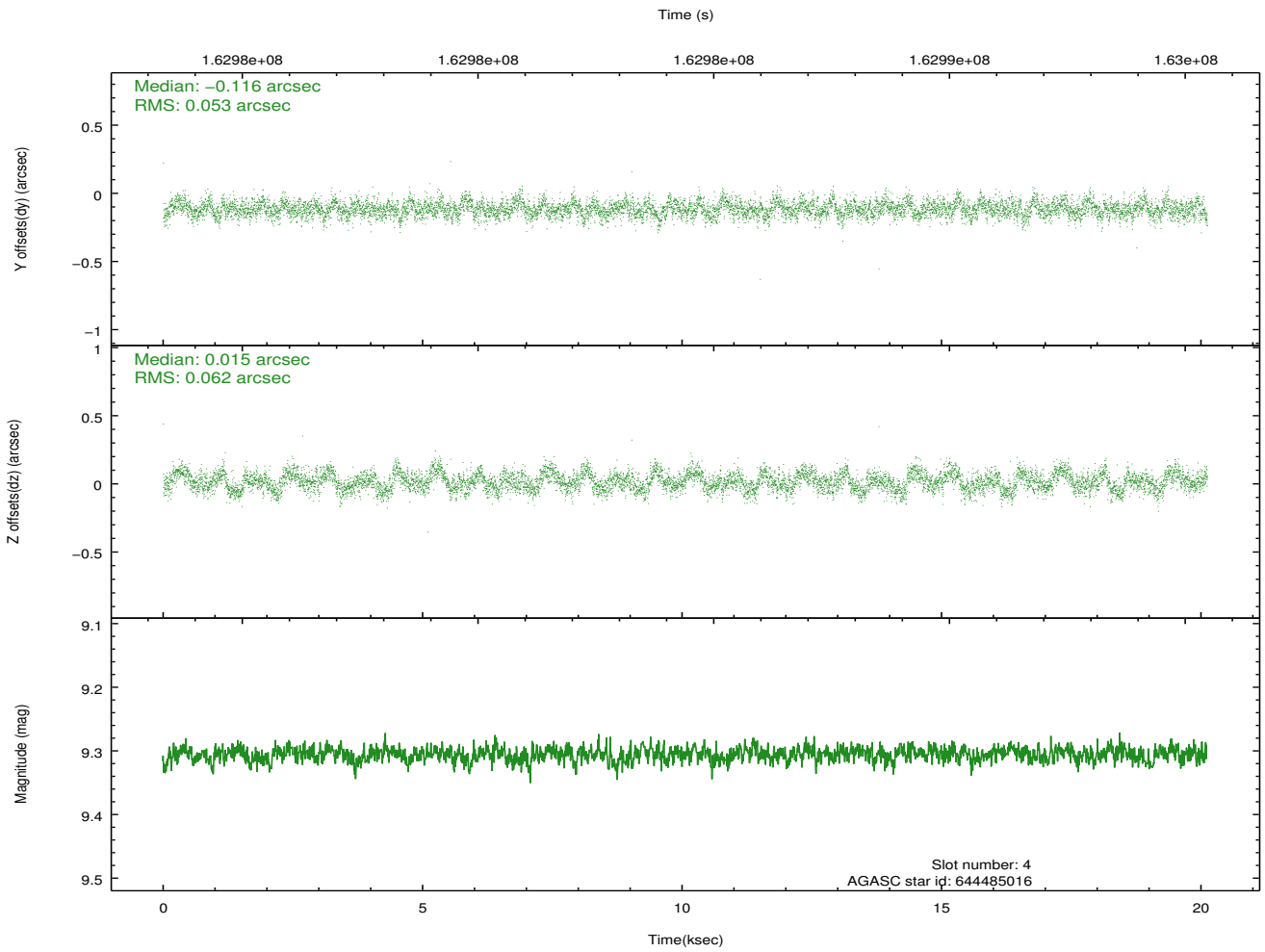
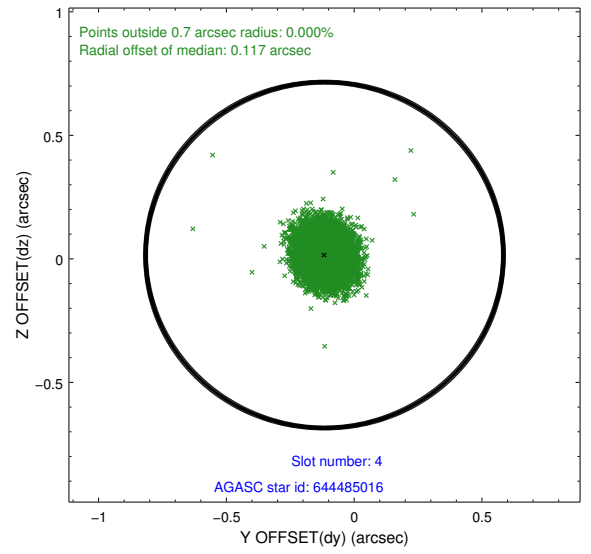
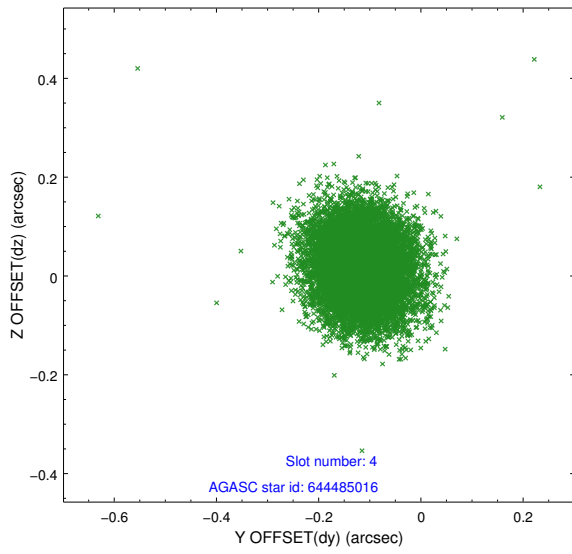
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4906	0.057	-0.026	0.022	0.040	0.000000	0.000000	937.11	-831.21
1	FID	ACIS-I-5	7.24	4907	0.087	0.147	0.011	0.026	0.000000	0.000000	-1810.95	1066.23
2	FID	ACIS-I-6	7.25	4906	-0.237	-0.051	0.019	0.038	0.000000	0.000000	402.05	1710.85
3	GUIDE	644356560	9.79	9805	0.037	-0.023	0.127	0.209	162.181082	-3.857070	-829.36	1613.66
4	GUIDE	644485016	9.31	9809	-0.116	0.015	0.087	0.138	162.691557	-4.738431	1079.37	-1513.72
5	GUIDE	644485456	9.10	9808	0.002	0.112	0.076	0.127	162.805872	-4.355531	1456.93	-126.09
6	GUIDE	644359368	9.58	9800	0.112	0.037	0.100	0.163	161.989514	-4.028350	-1501.67	980.22
7	GUIDE	644355064	9.27	9804	-0.030	-0.140	0.103	0.166	162.184236	-3.681220	-833.68	2246.84

2.4 Star Slots

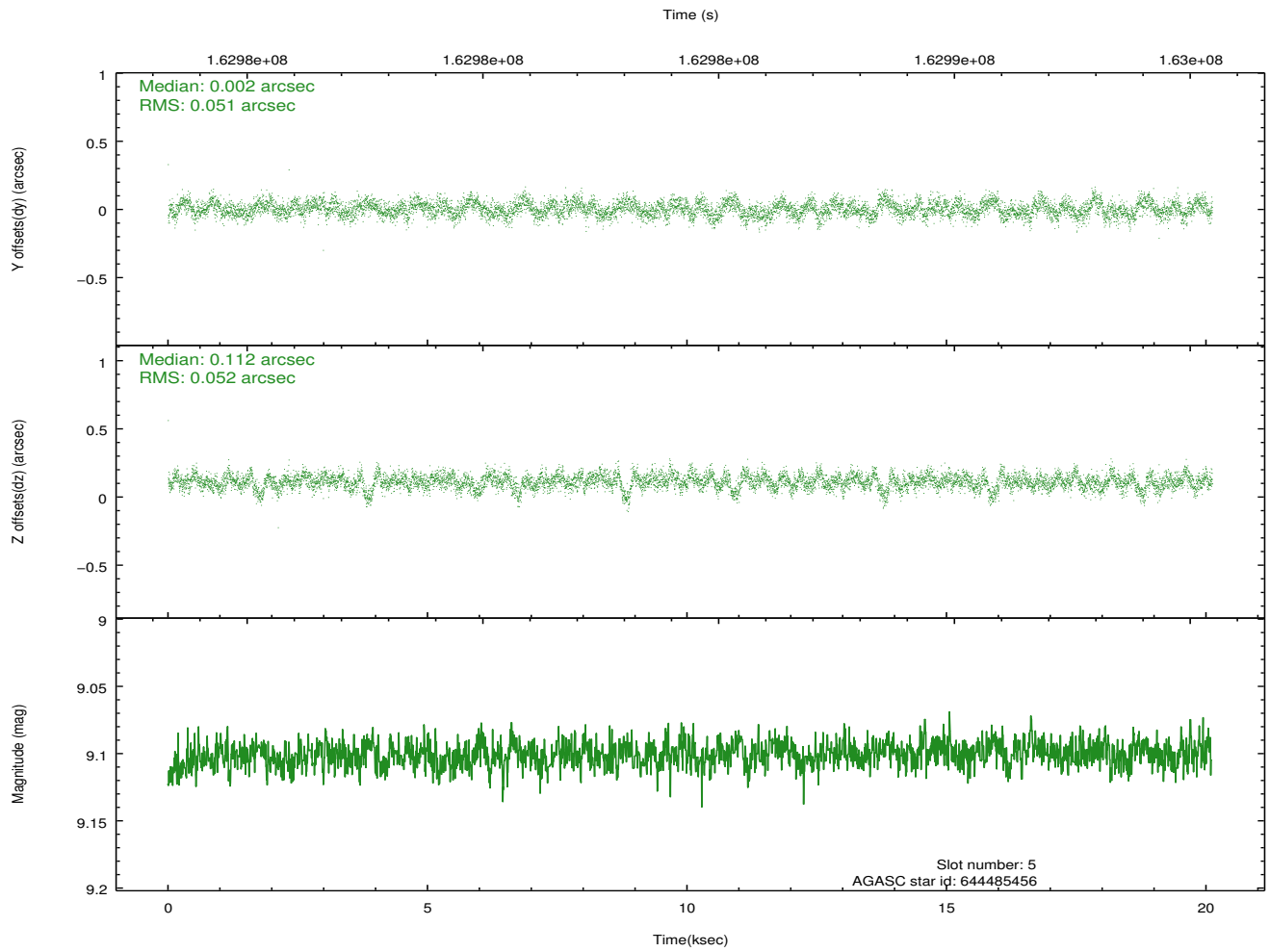
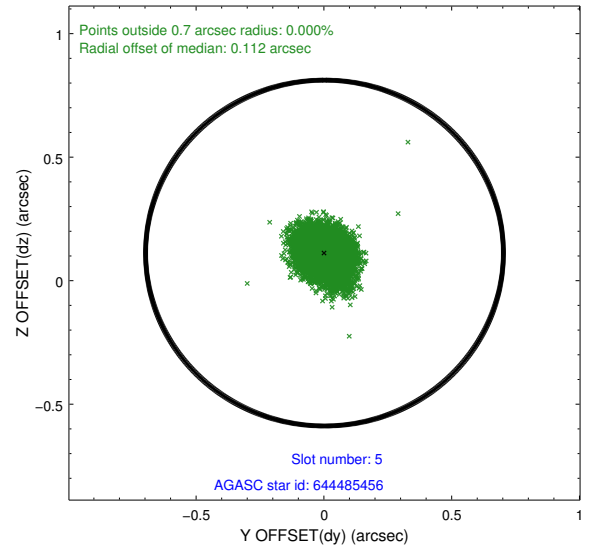
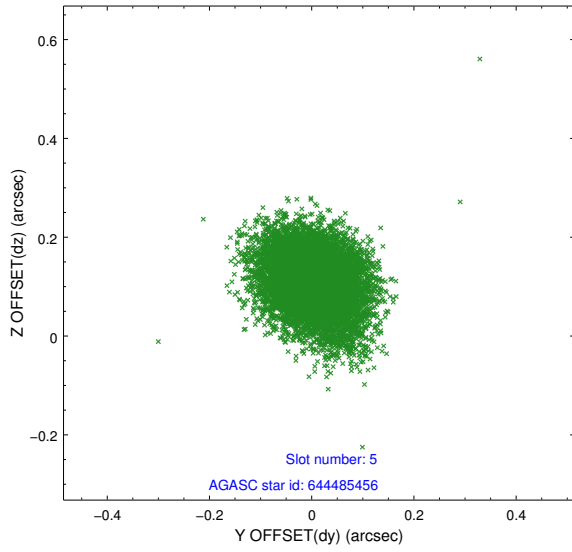
2.4.1 Slot 3



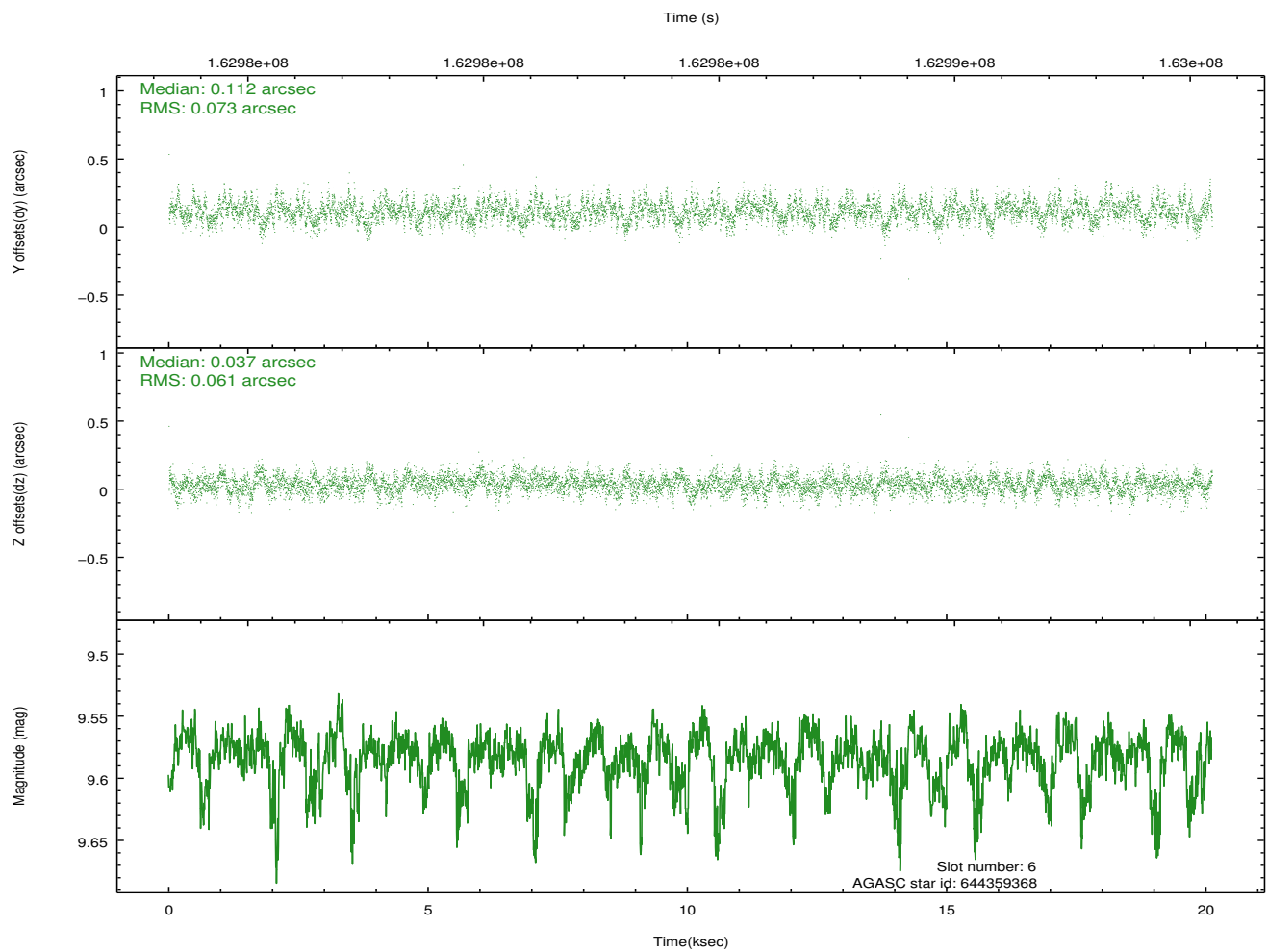
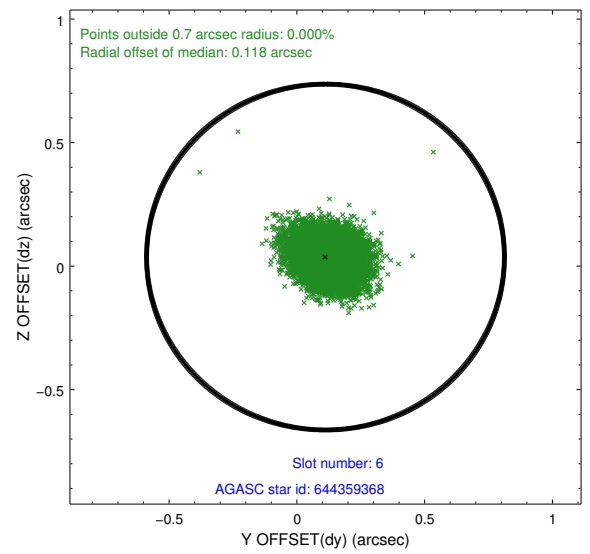
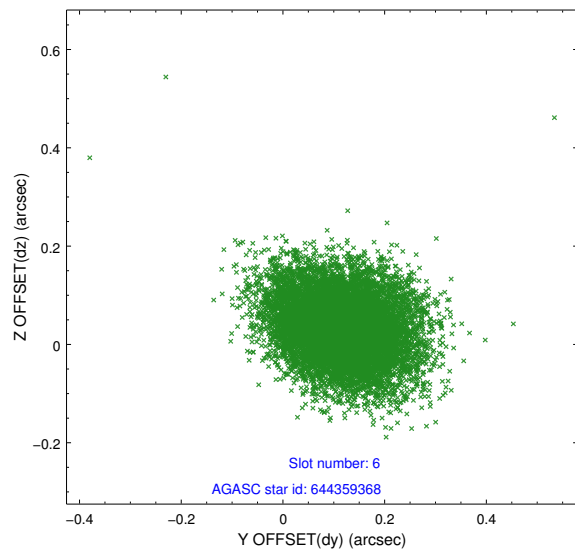
2.4.2 Slot 4



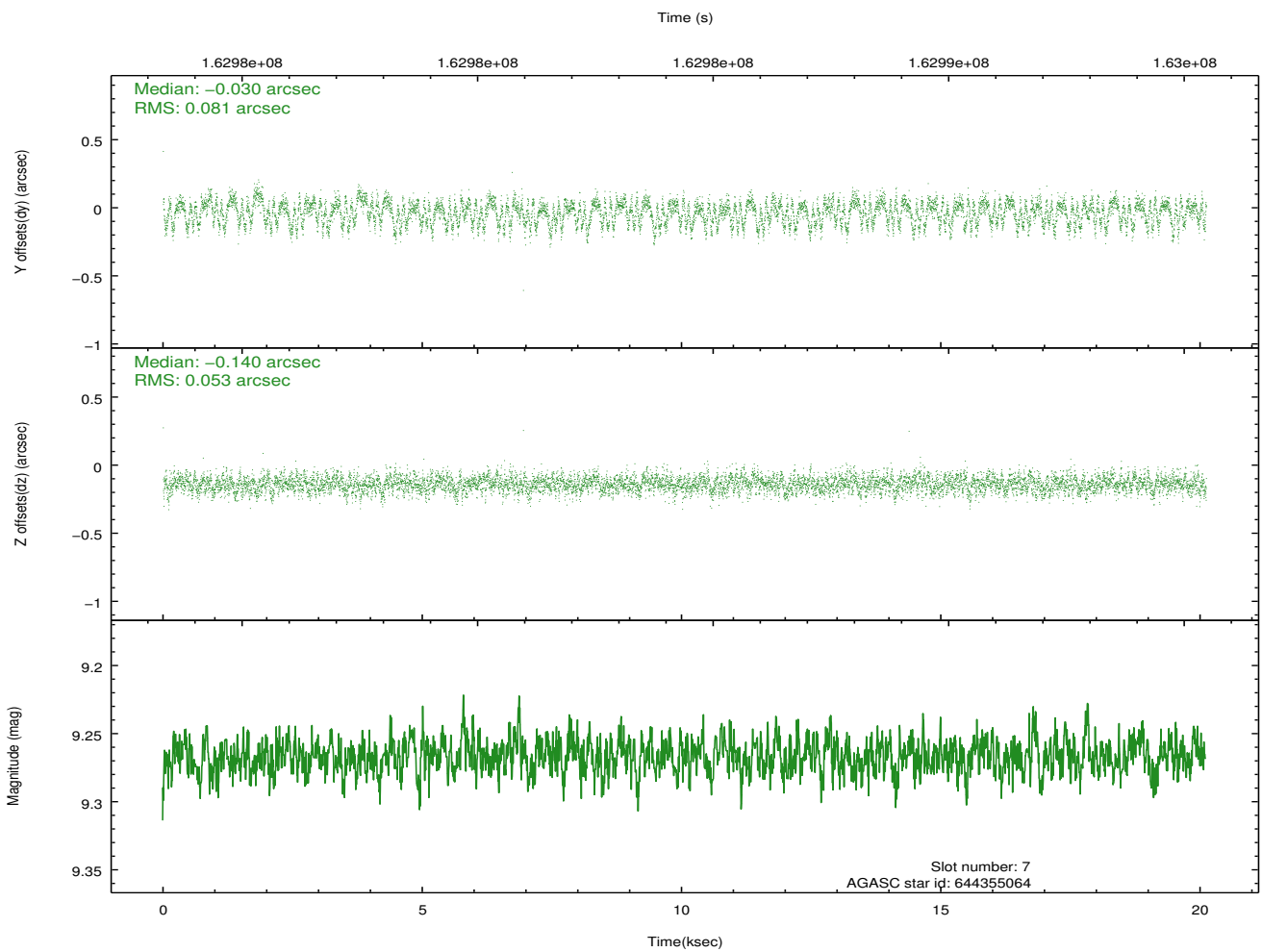
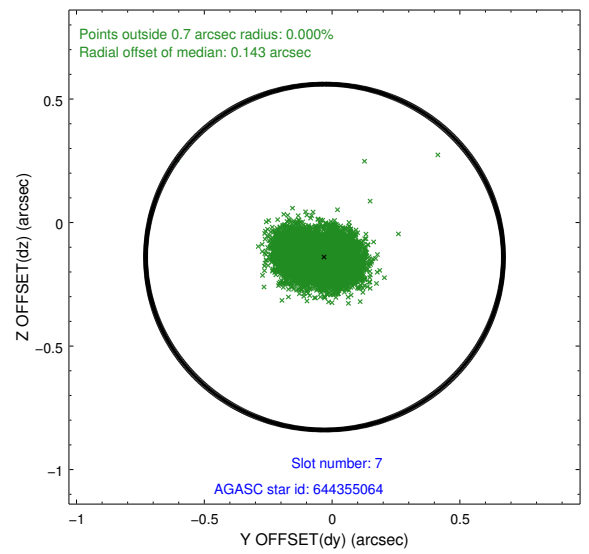
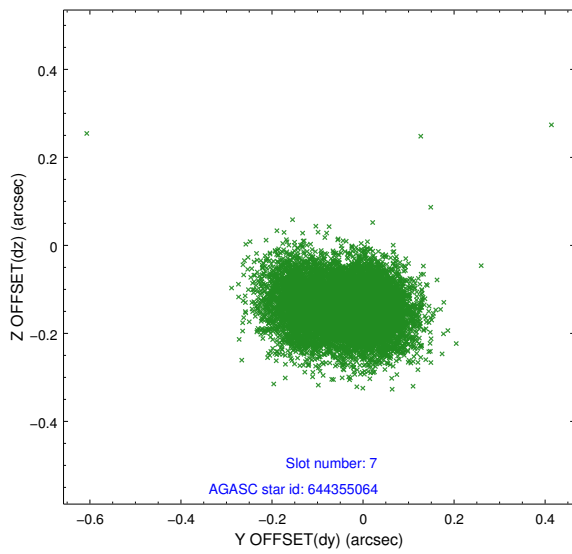
2.4.3 Slot 5



2.4.4 Slot 6

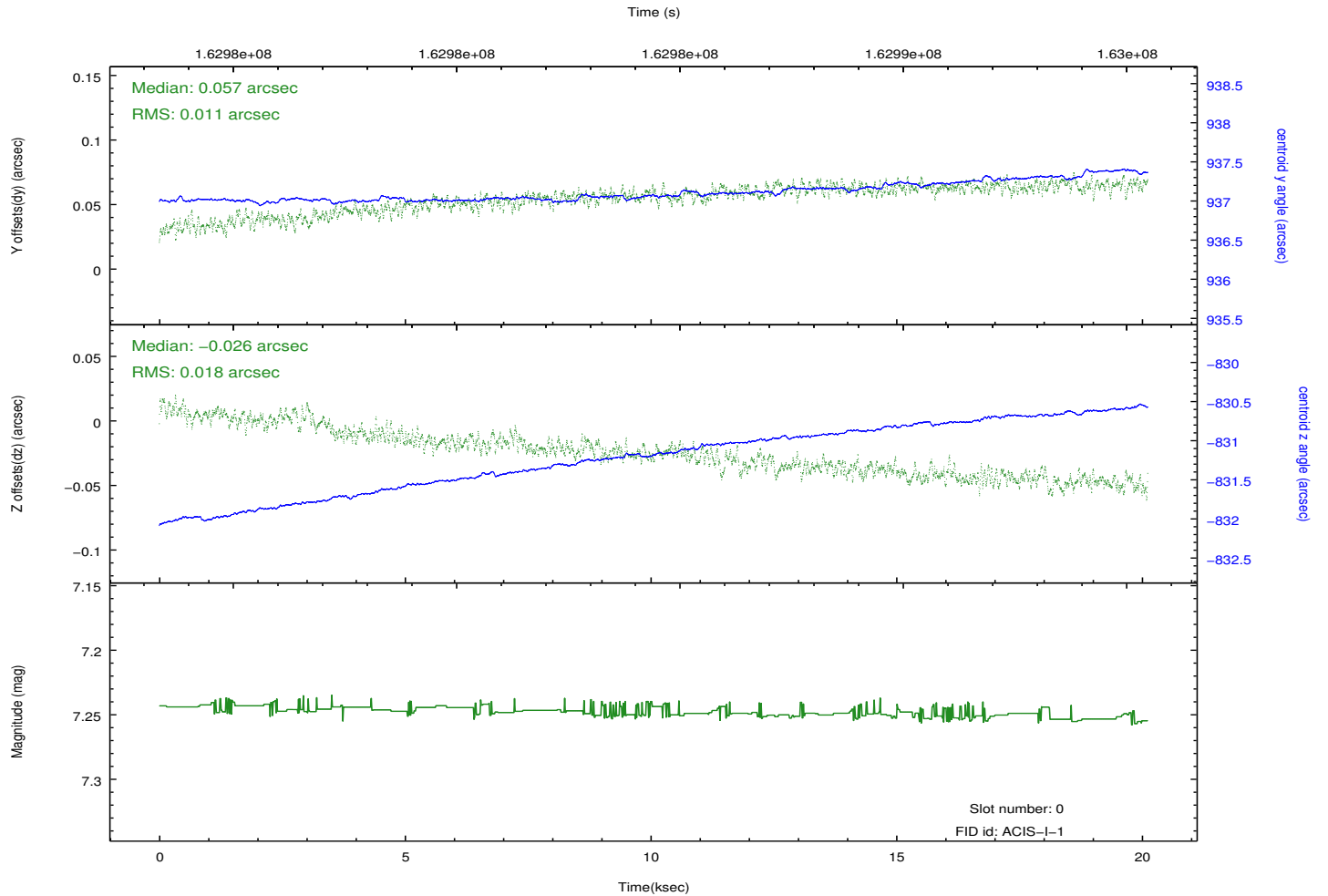
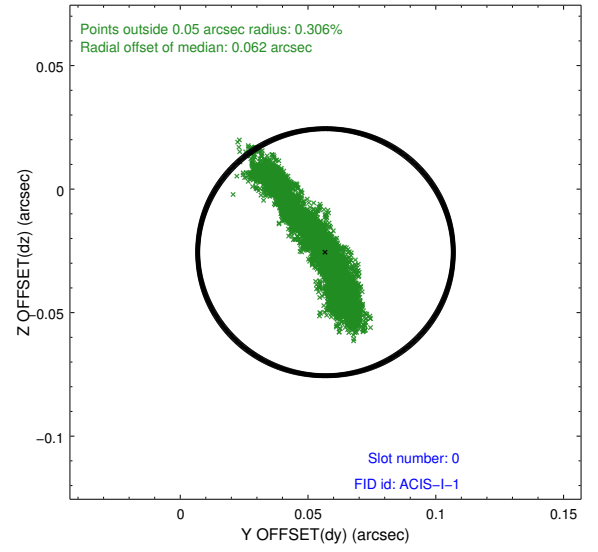
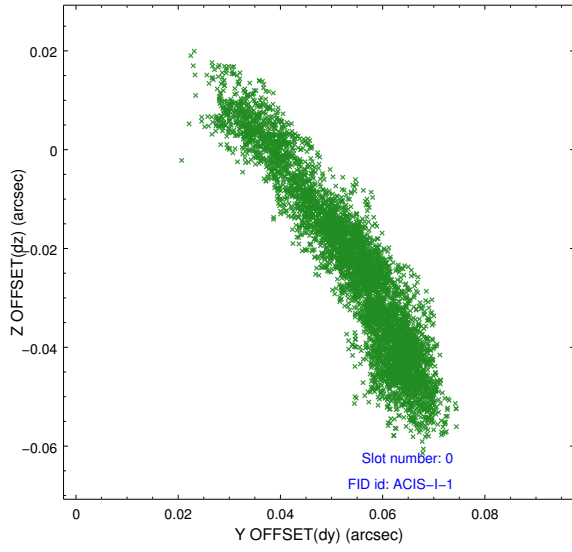


2.4.5 Slot 7

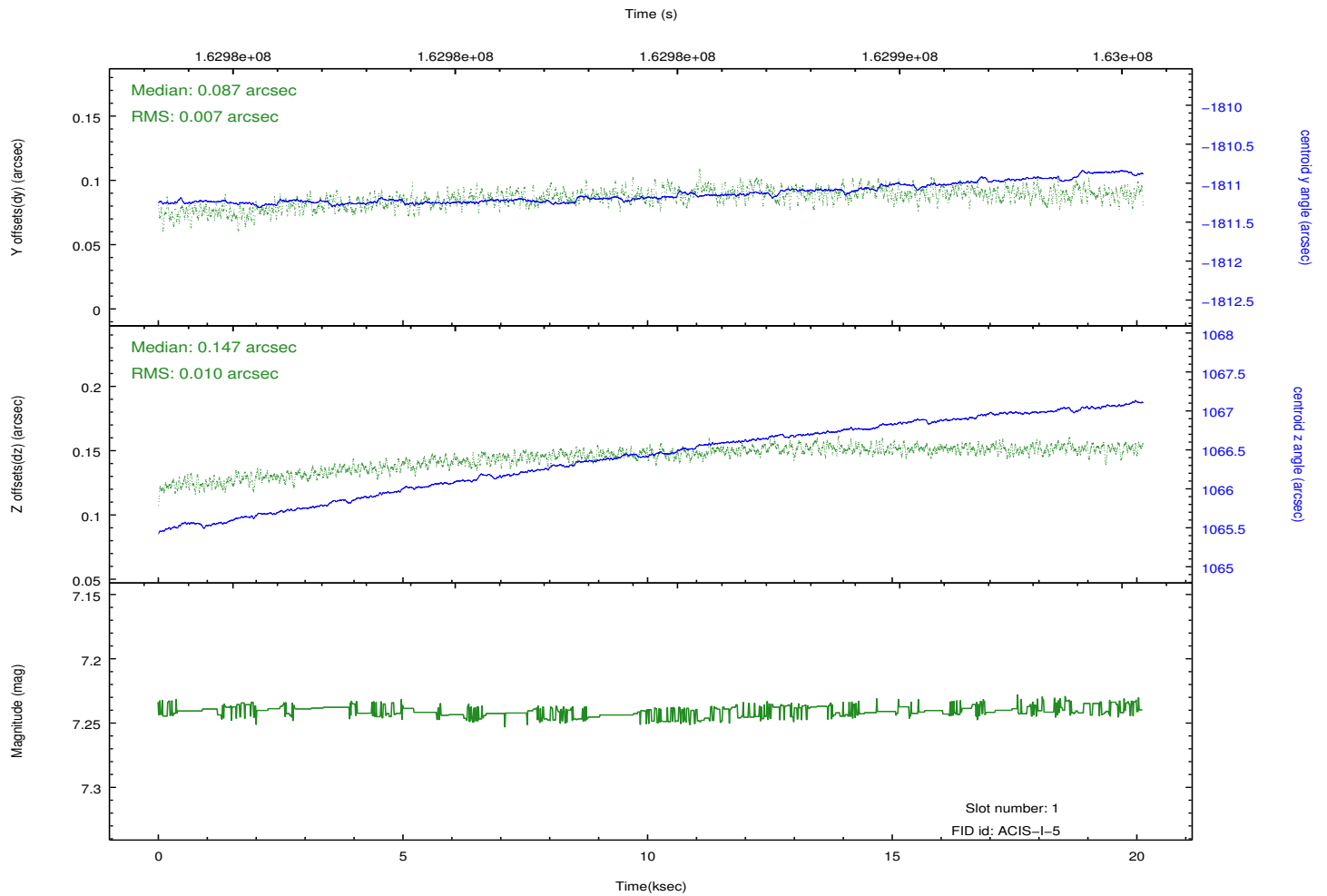
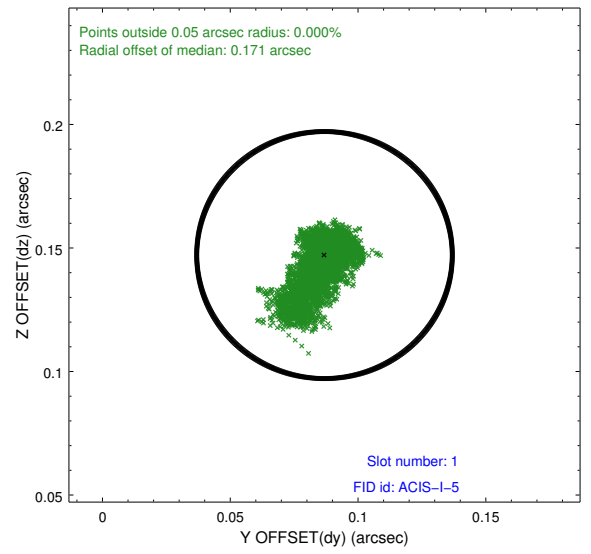
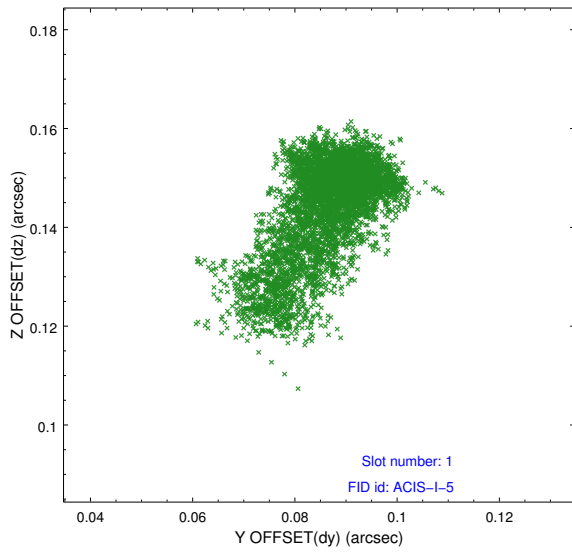


2.5 FID Slots

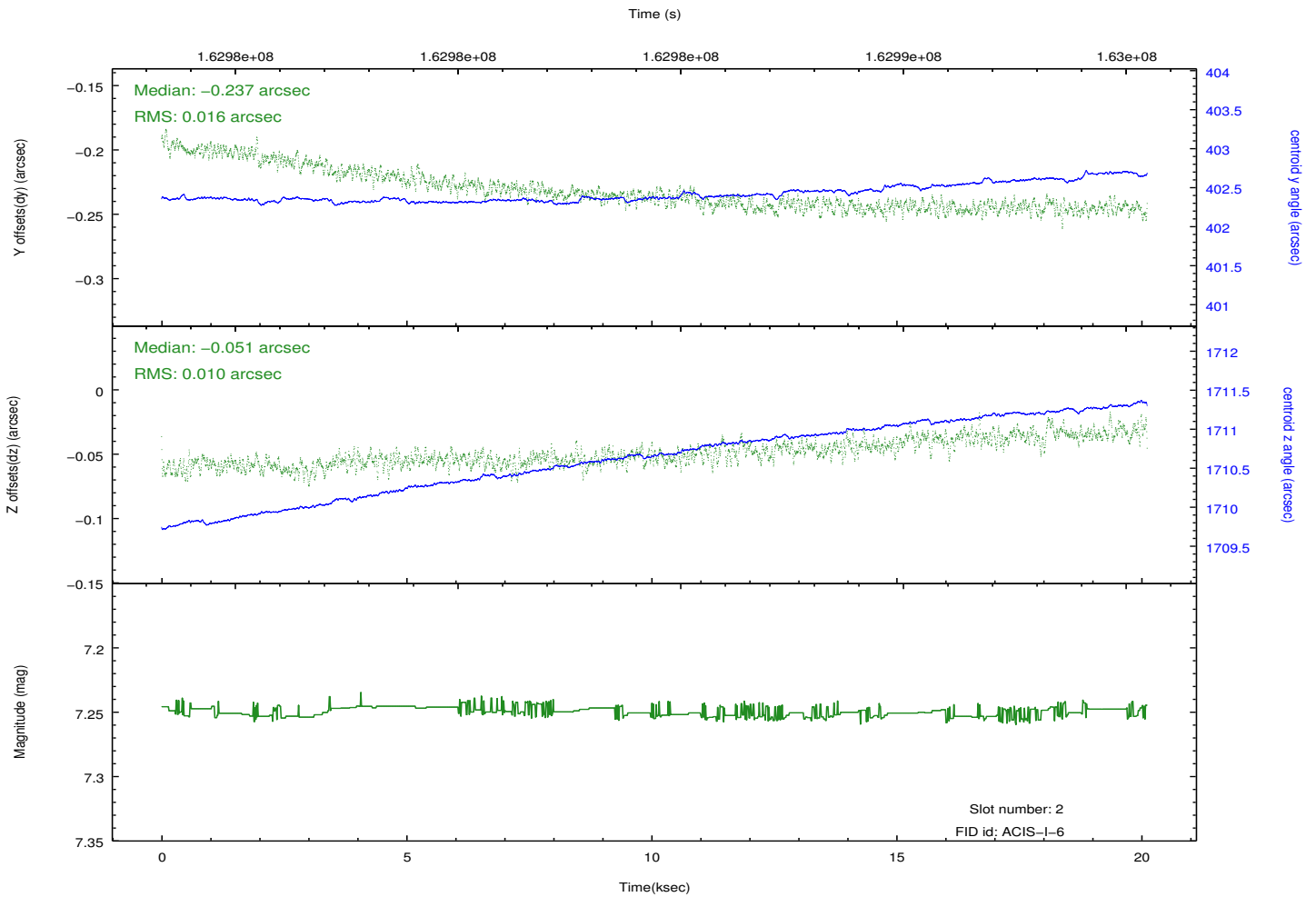
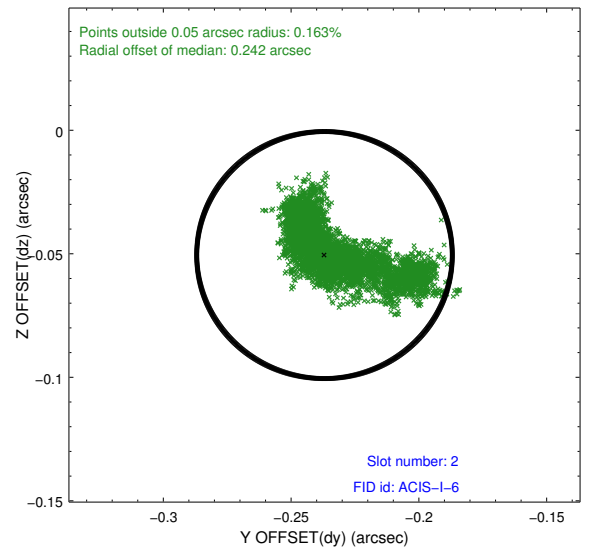
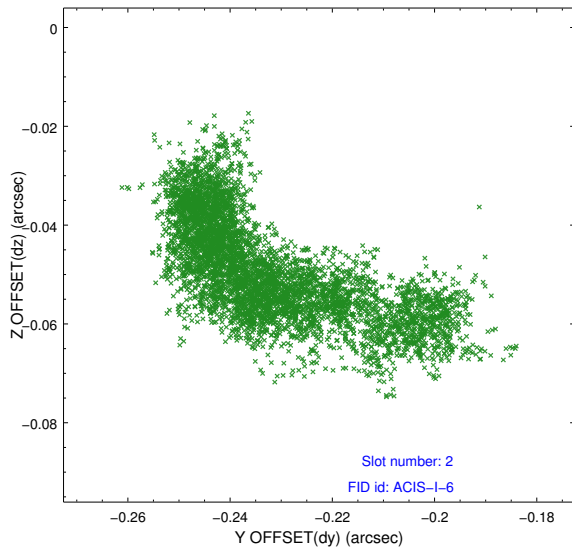
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.106

A.2 Comments