

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4011 - L2 Version 3
Chandra X-Ray Center

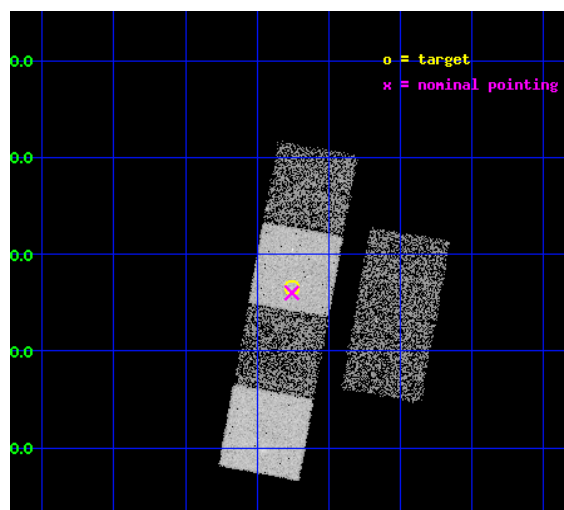
L2 Processing Date : Oct 23 2012

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1 Front

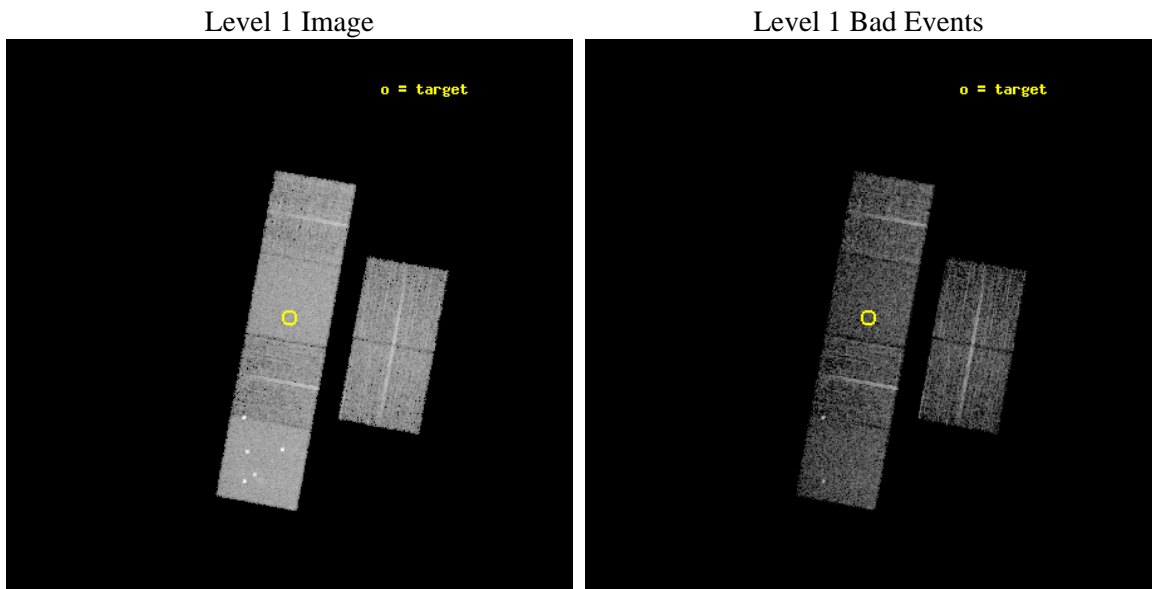
seq_num	700690	Sequence number
obs_id	4011	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Dr. Shobita Satyapal	Principal investigator
object	NGC1055	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.439167	Observer's specified target RA [deg]
dec_targ	0.443056	Observer's specified target Dec [deg]
ra_nom	40.439214808594	Nominal RA [deg]
dec_nom	0.43340202244166	Nominal Dec [deg]
roll_nom	280.3988697533	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5097.59998101	Sum of GTIs [s]
livetime	5033.0511006442	Livetime [s]
ontime2	5097.59998101	Sum of GTIs [s]
ontime3	5097.59998101	Sum of GTIs [s]
ontime5	5097.59998101	Sum of GTIs [s]
ontime6	5097.59998101	Sum of GTIs [s]
ontime7	5097.59998101	Sum of GTIs [s]
ontime8	5097.59998101	Sum of GTIs [s]
l2events	61208	Number of level 2 events



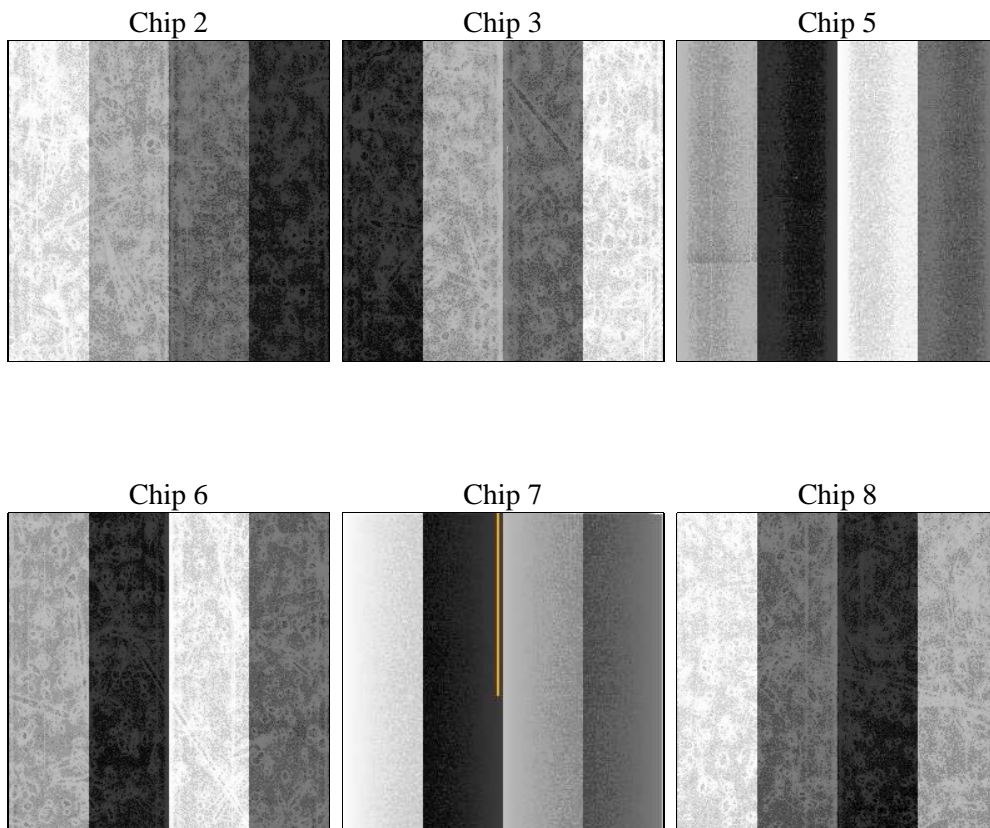
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4947.896000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5097.59998101	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5097.59998101	Sum of GTIs [s]
date	2012-10-23T12:15:24	Date and time of file creation	ontime3	5097.59998101	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5097.59998101	Sum of GTIs [s]
			ontime6	5097.59998101	Sum of GTIs [s]
			ontime7	5097.59998101	Sum of GTIs [s]
			ontime8	5097.59998101	Sum of GTIs [s]
			l1events	254599	Number of level 1 events

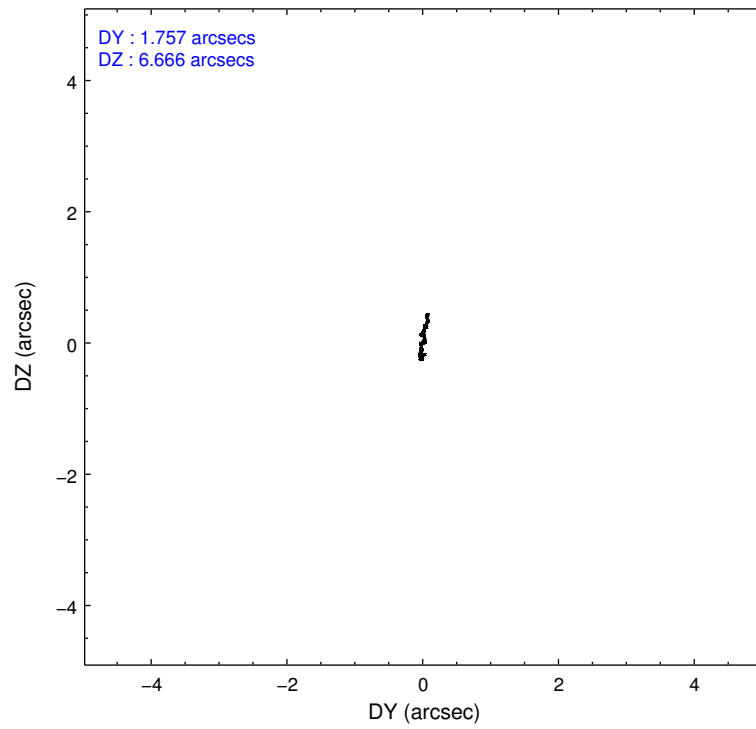
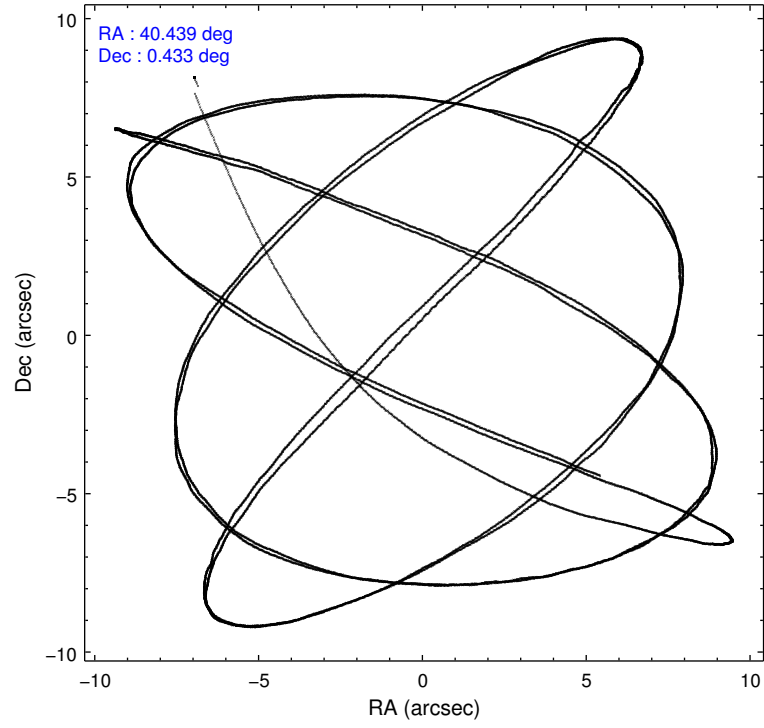
2.1.4 Events

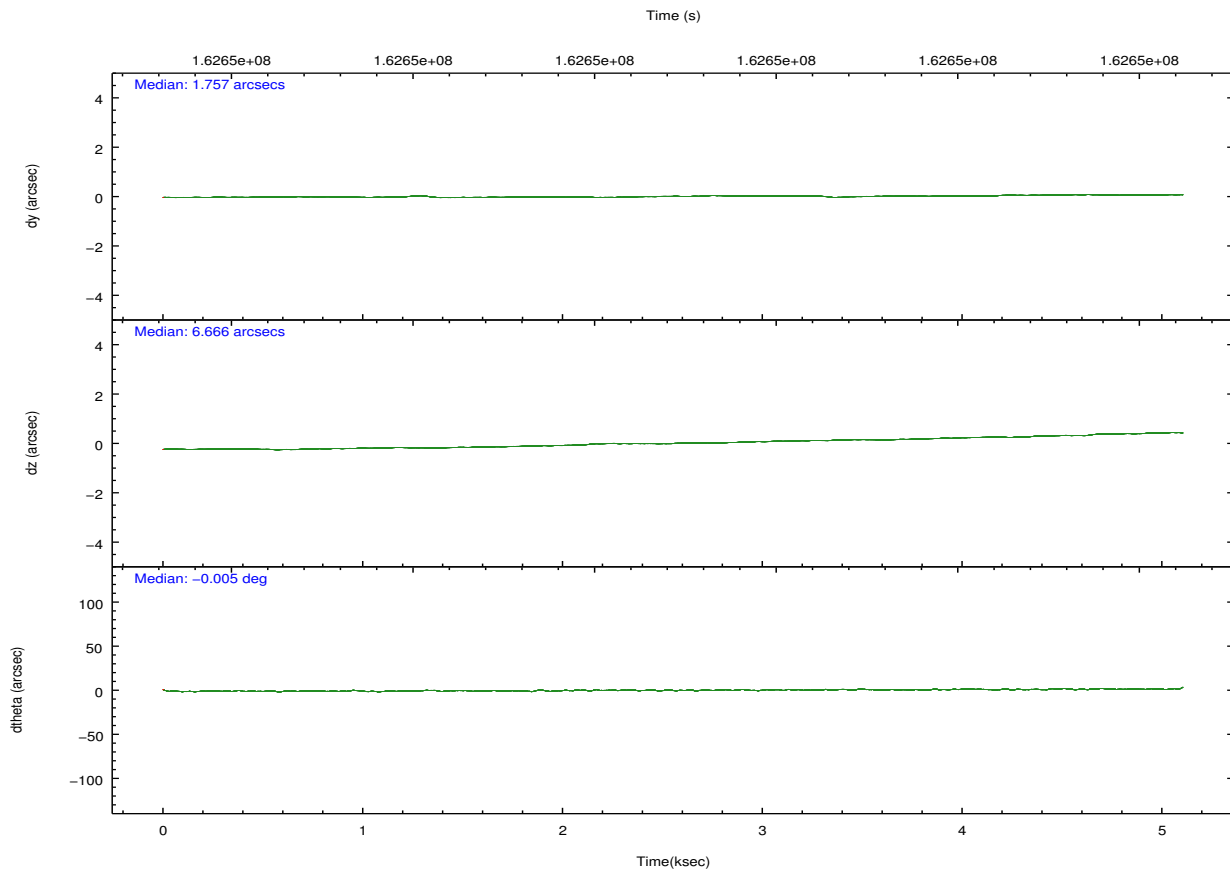
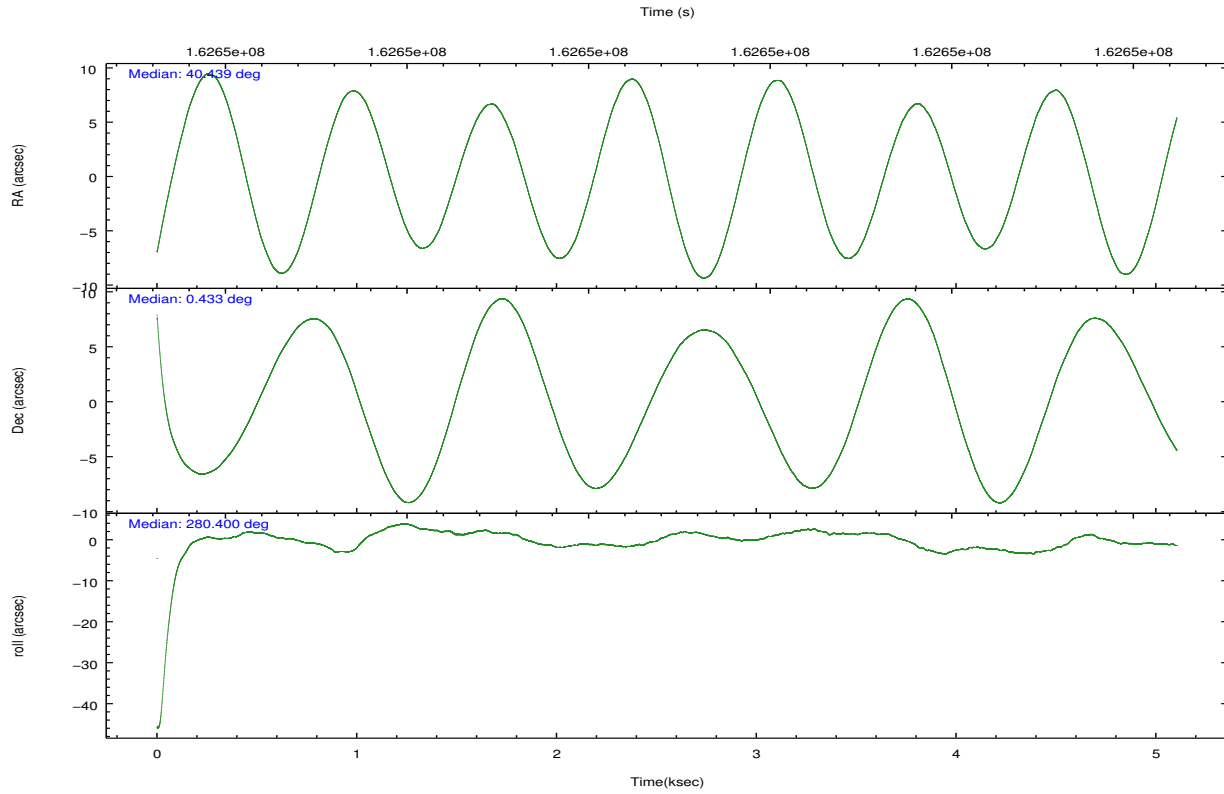
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34457	33358	60633	32960	49953	43238	grade 0 events	1741	1685	7039	1732	2512	3109
rejected events	30678	29661	28843	29010	27459	34166		5%	5%	11%	5%	5%	7%
rejected %	89%	88%	47%	88%	54%	79%	grade 1 events	23	18	365	11	33	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	782	726	9132	767	4670	2141
								2%	2%	15%	2%	9%	4%
							grade 3 events	387	408	1441	452	2028	991
								1%	1%	2%	1%	4%	2%
							grade 4 events	380	376	1299	385	2092	862
								1%	1%	2%	1%	4%	1%
							grade 5 events	1291	1457	3917	1513	4385	1992
								3%	4%	6%	4%	8%	4%
							grade 6 events	663	664	14158	812	12196	2315
								1%	1%	23%	2%	24%	5%
							grade 7 events	29190	28024	23282	27288	22037	31810
								84%	84%	38%	82%	44%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	40.421289	40.43921480859444	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.453879	0.4334020224416631	Alternating exposures requested	N	N
[deg] Pointing Roll	280.242498	280.3988697533034	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	162649039.184000	162647872.64695			
Observation start date	2003-02-26T12:16:15	2003-02-26T11:57:52			
[s] Observation end time (MET)	162653986.184000	162654300.93472			
Observation end date	2003-02-26T13:38:42	2003-02-26T13:45:00			
Read mode	TIMED	TIMED			

2.3 Aspect



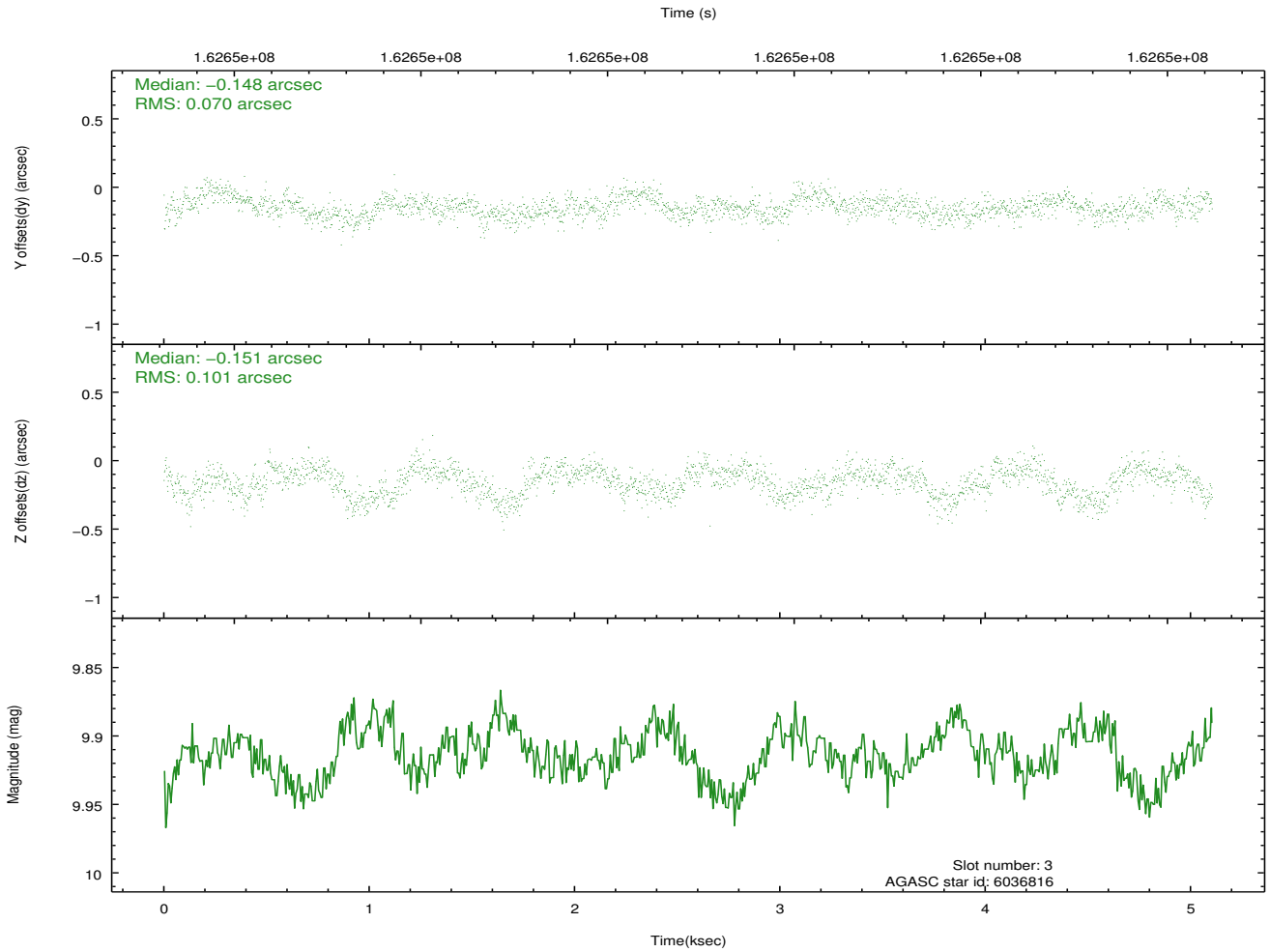
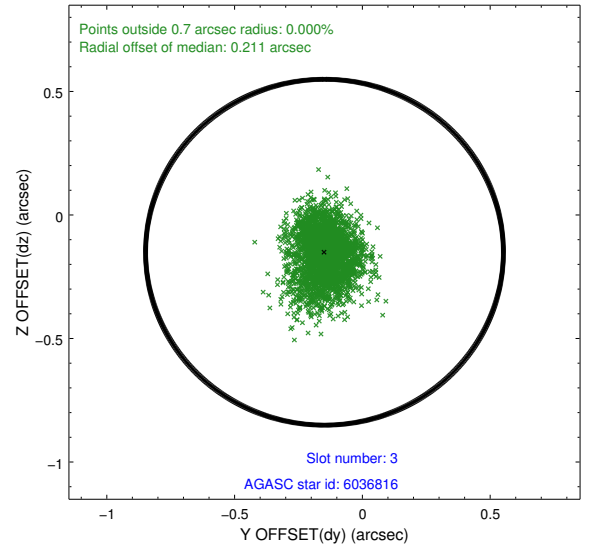
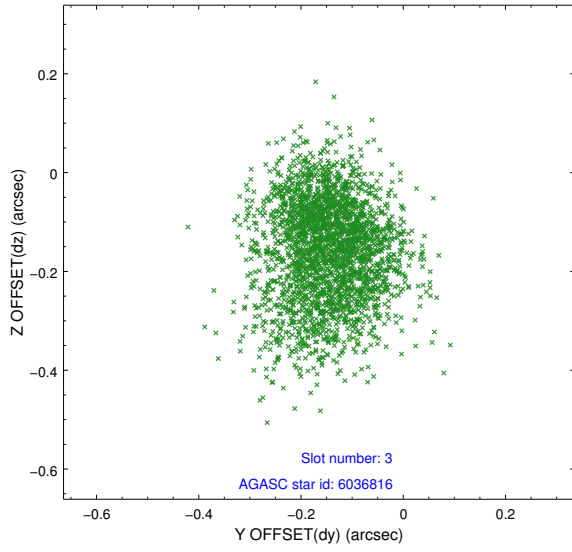


Slot Statistics

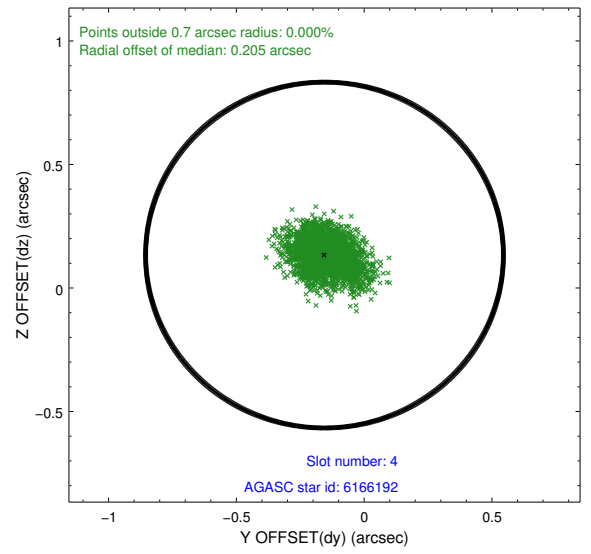
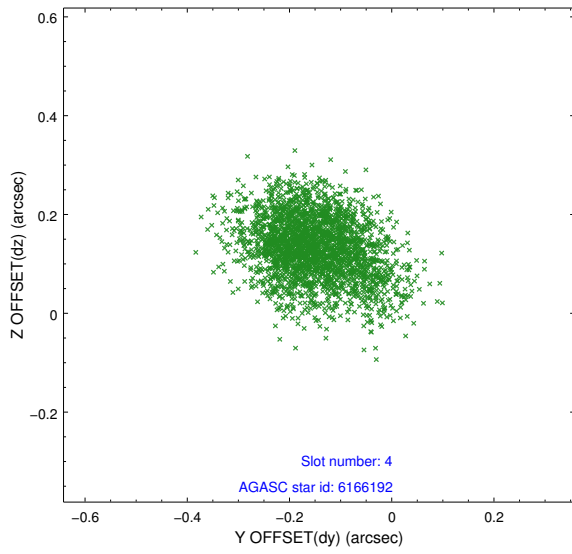
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1246	-0.055	-0.012	0.009	0.014	0.000000	0.000000	-754.40	-1727.87
1	FID	ACIS-S-4	7.21	1246	0.022	0.030	0.007	0.013	0.000000	0.000000	2158.39	179.47
2	FID	ACIS-S-5	7.24	1246	0.002	-0.009	0.007	0.013	0.000000	0.000000	-1805.68	174.40
3	GUIDE	6036816	9.91	2488	-0.148	-0.151	0.131	0.213	39.842255	0.842431	-1747.25	-1802.22
4	GUIDE	6166192	9.44	2490	-0.155	0.133	0.103	0.172	40.243035	0.932066	-1808.84	-325.64
5	GUIDE	6169408	8.97	2491	0.061	0.133	0.085	0.137	40.937839	0.210390	1192.90	1674.25
6	GUIDE	615910960	9.62	2490	0.318	-0.010	0.115	0.184	40.339678	-0.092669	1885.05	-637.95
7	GUIDE	6166048	8.14	2490	-0.078	-0.094	0.055	0.092	40.482066	0.525874	-215.15	261.32

2.4 Star Slots

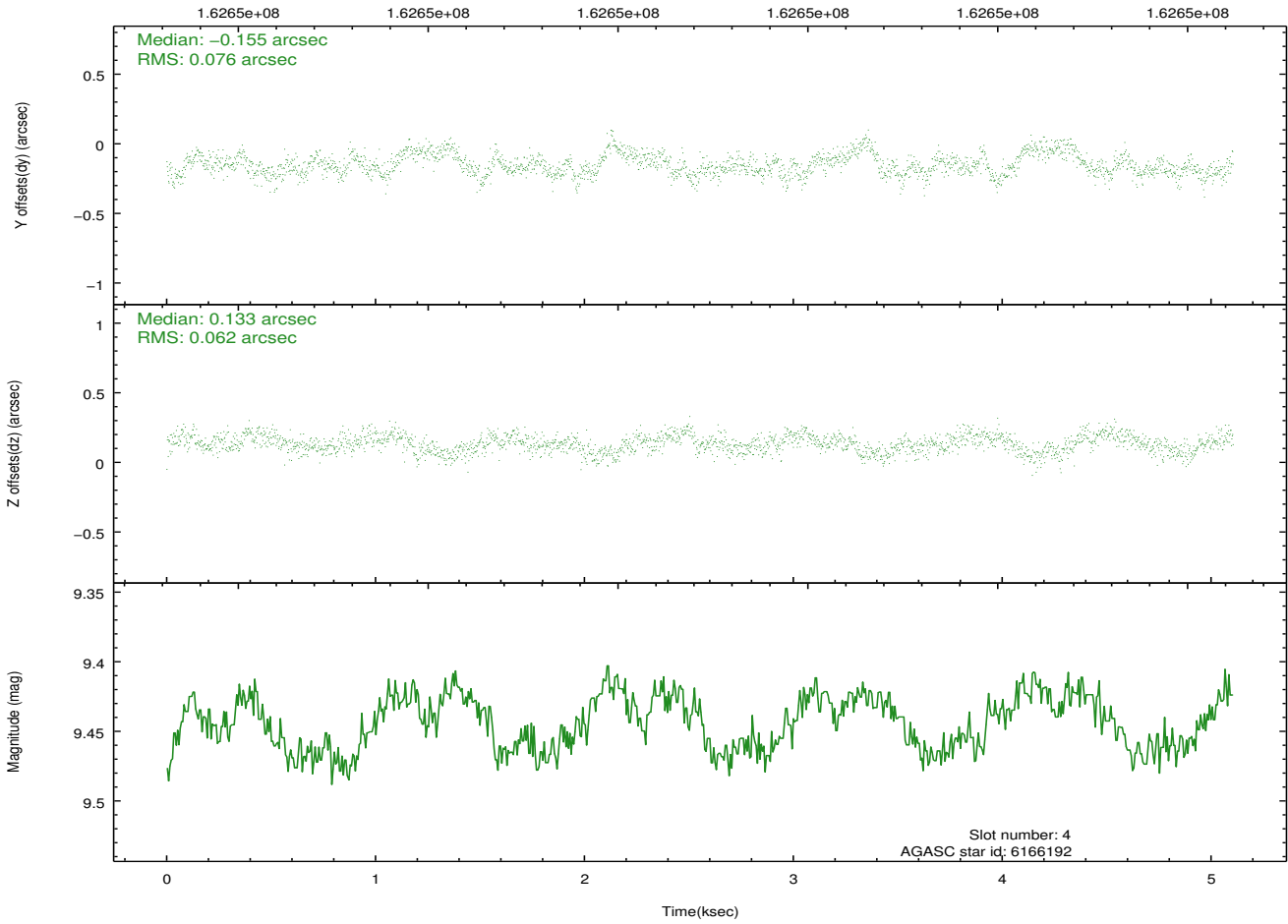
2.4.1 Slot 3



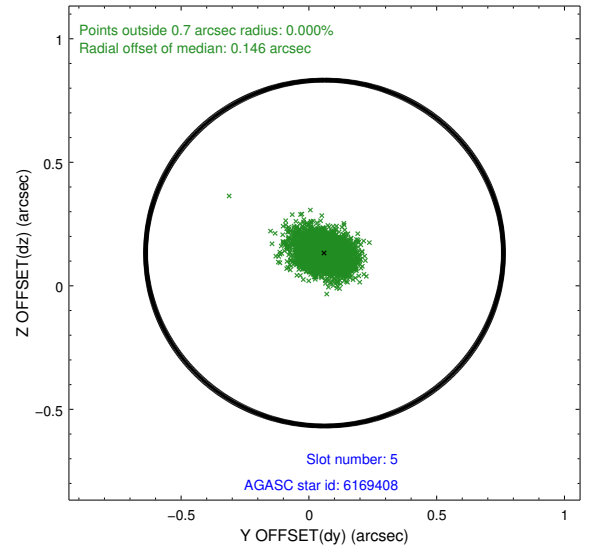
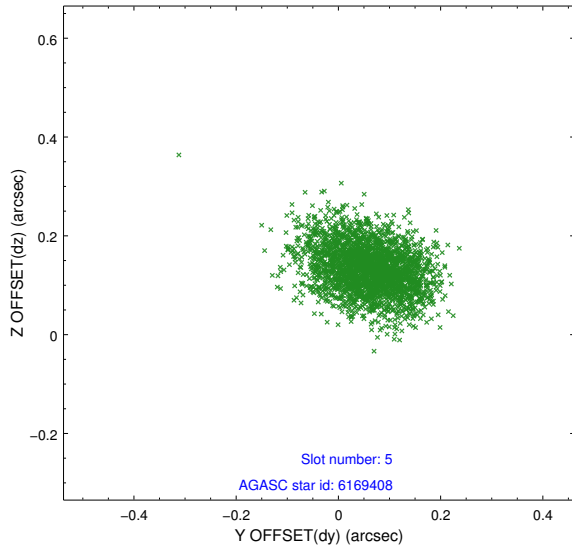
2.4.2 Slot 4



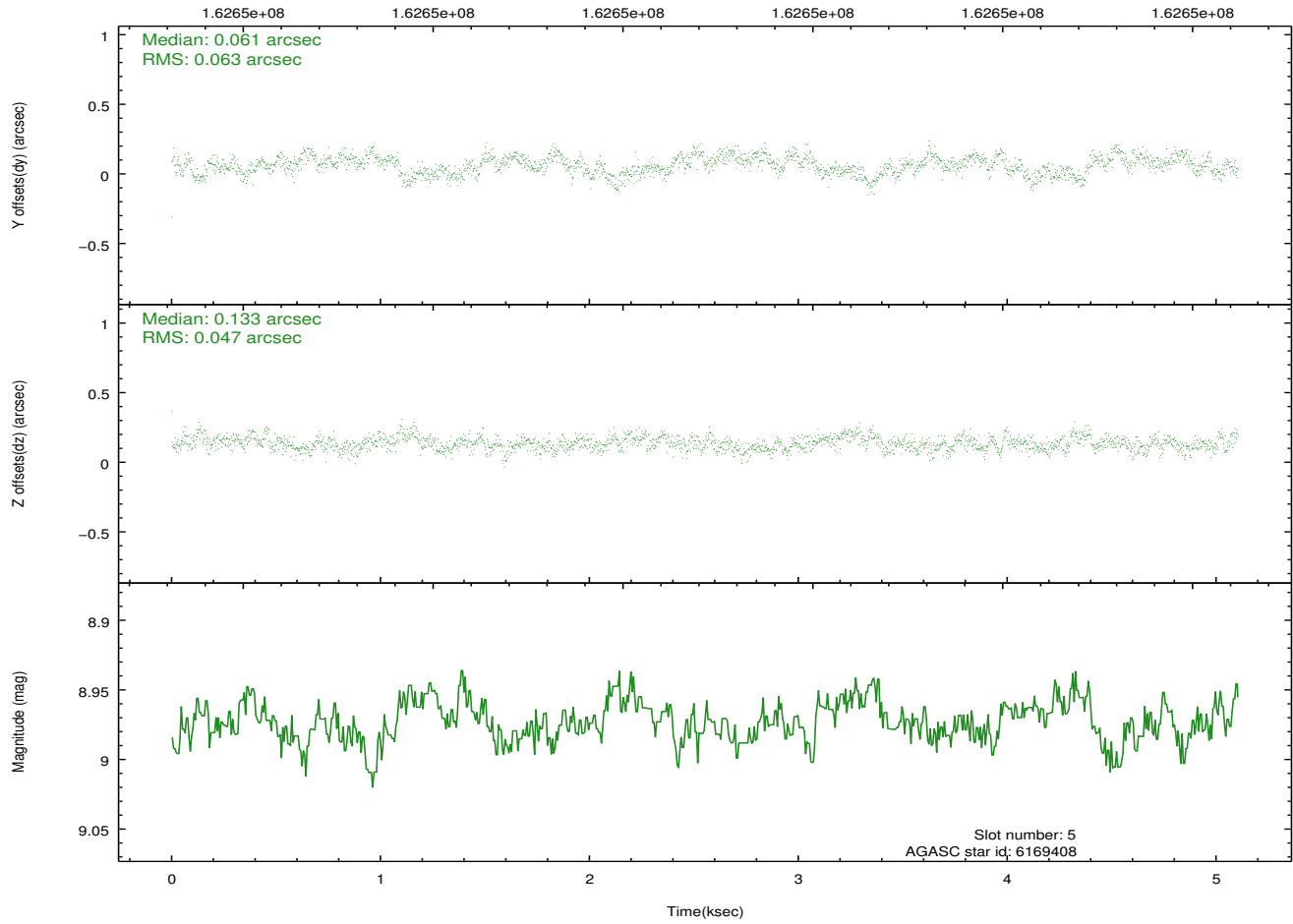
Time (s)



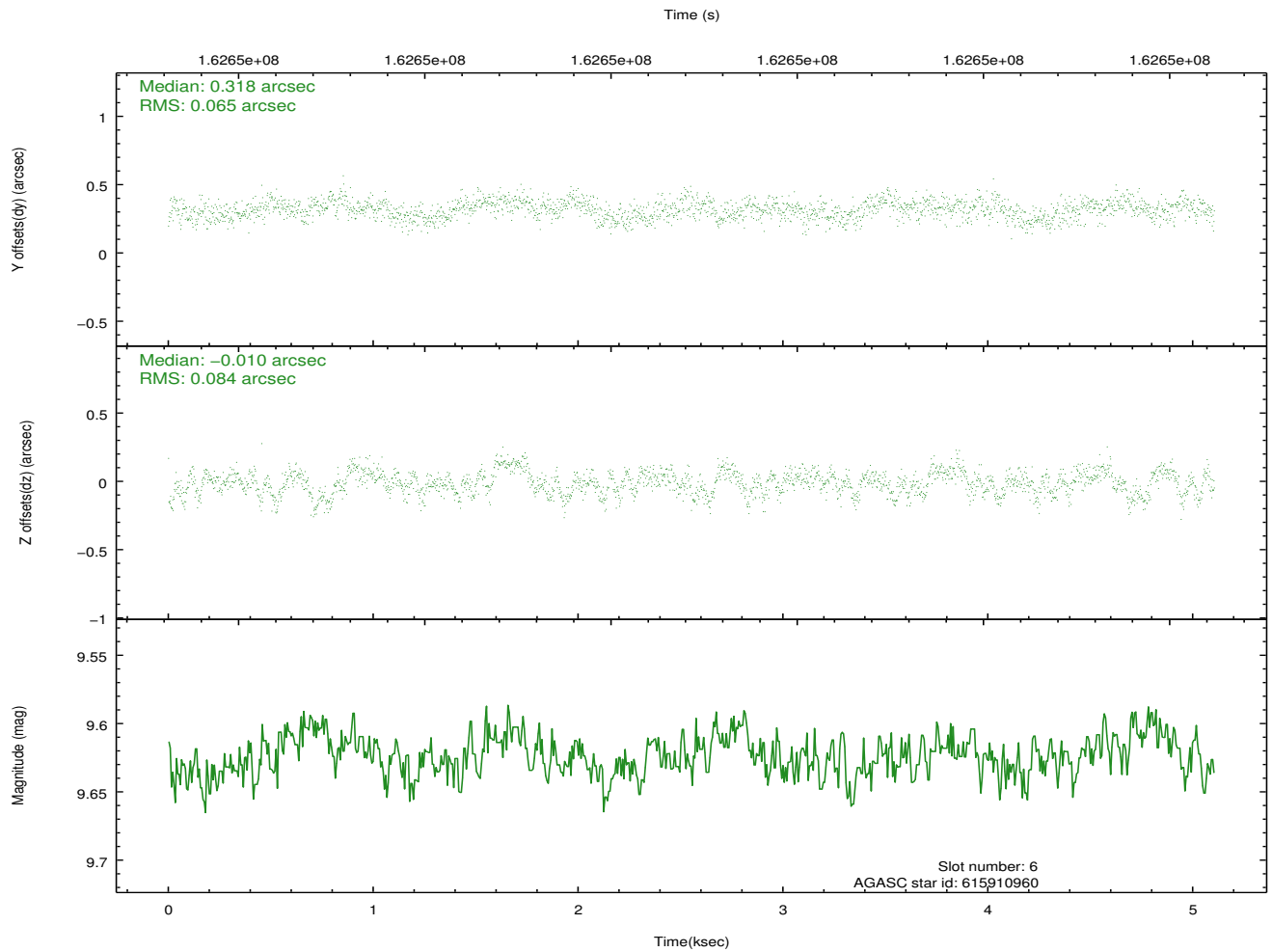
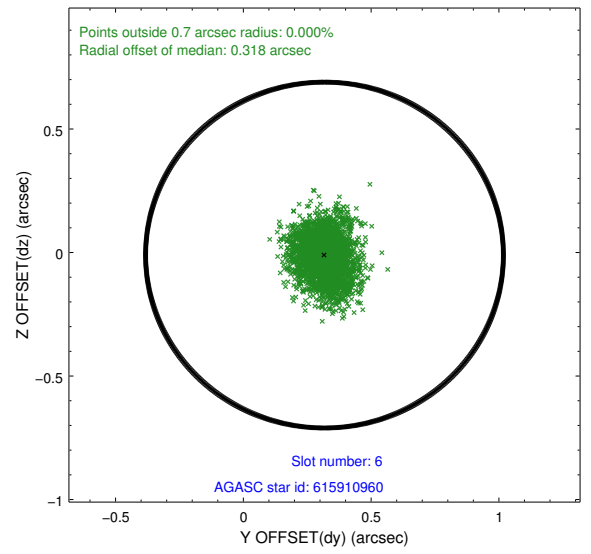
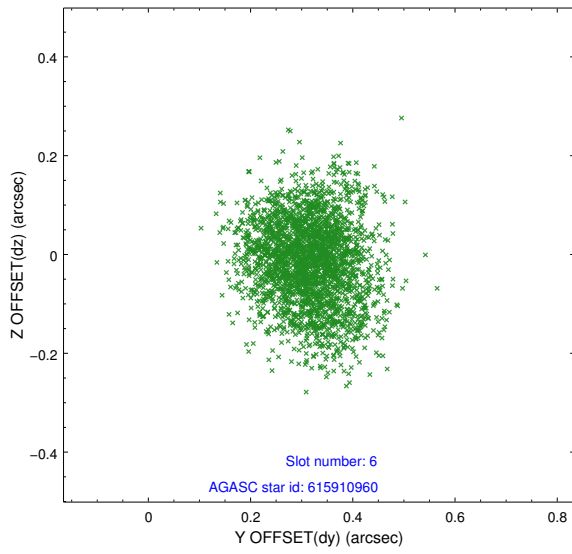
2.4.3 Slot 5



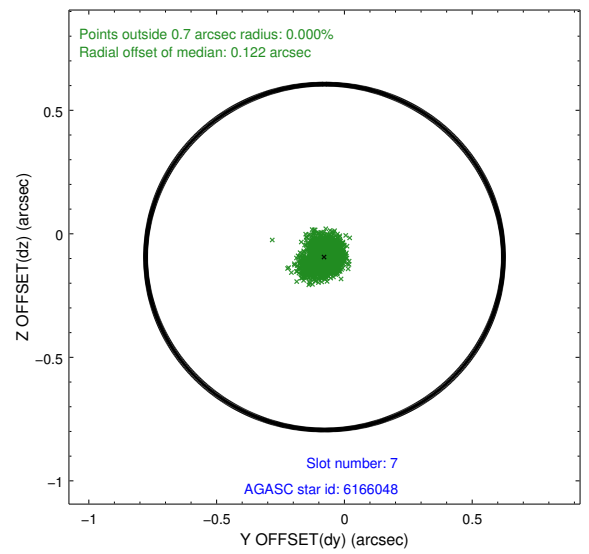
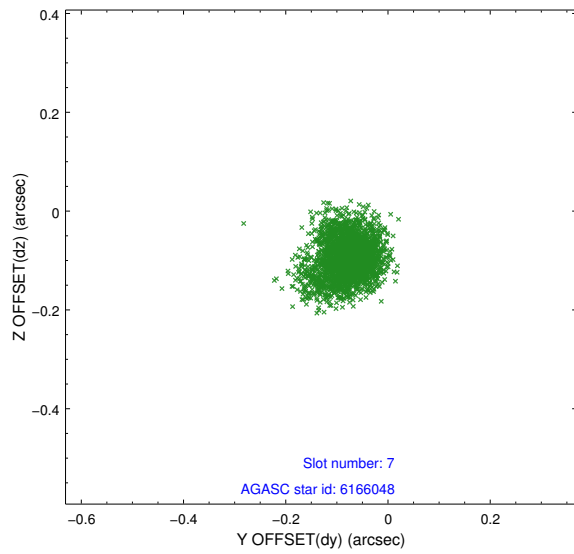
Time (s)



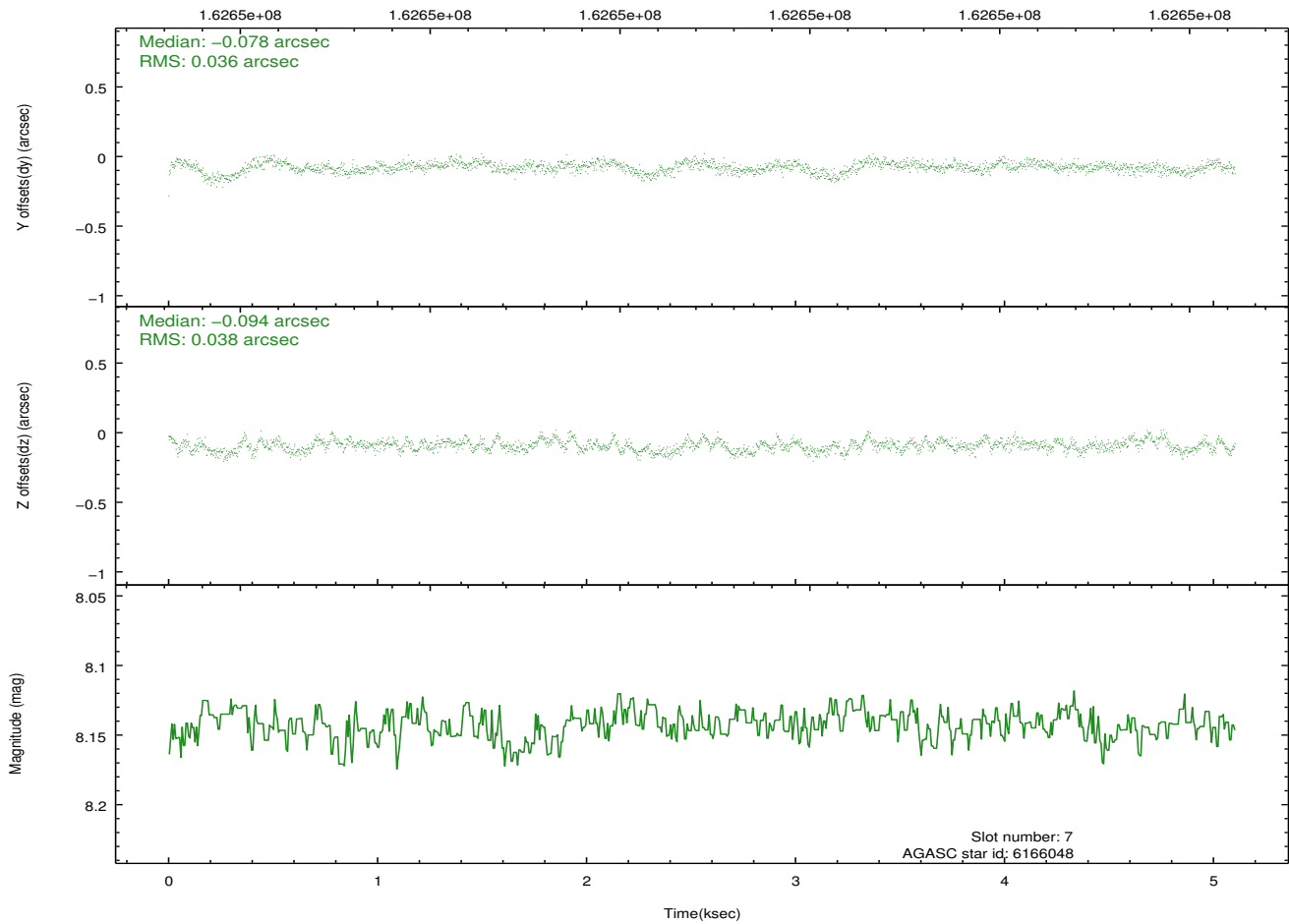
2.4.4 Slot 6



2.4.5 Slot 7

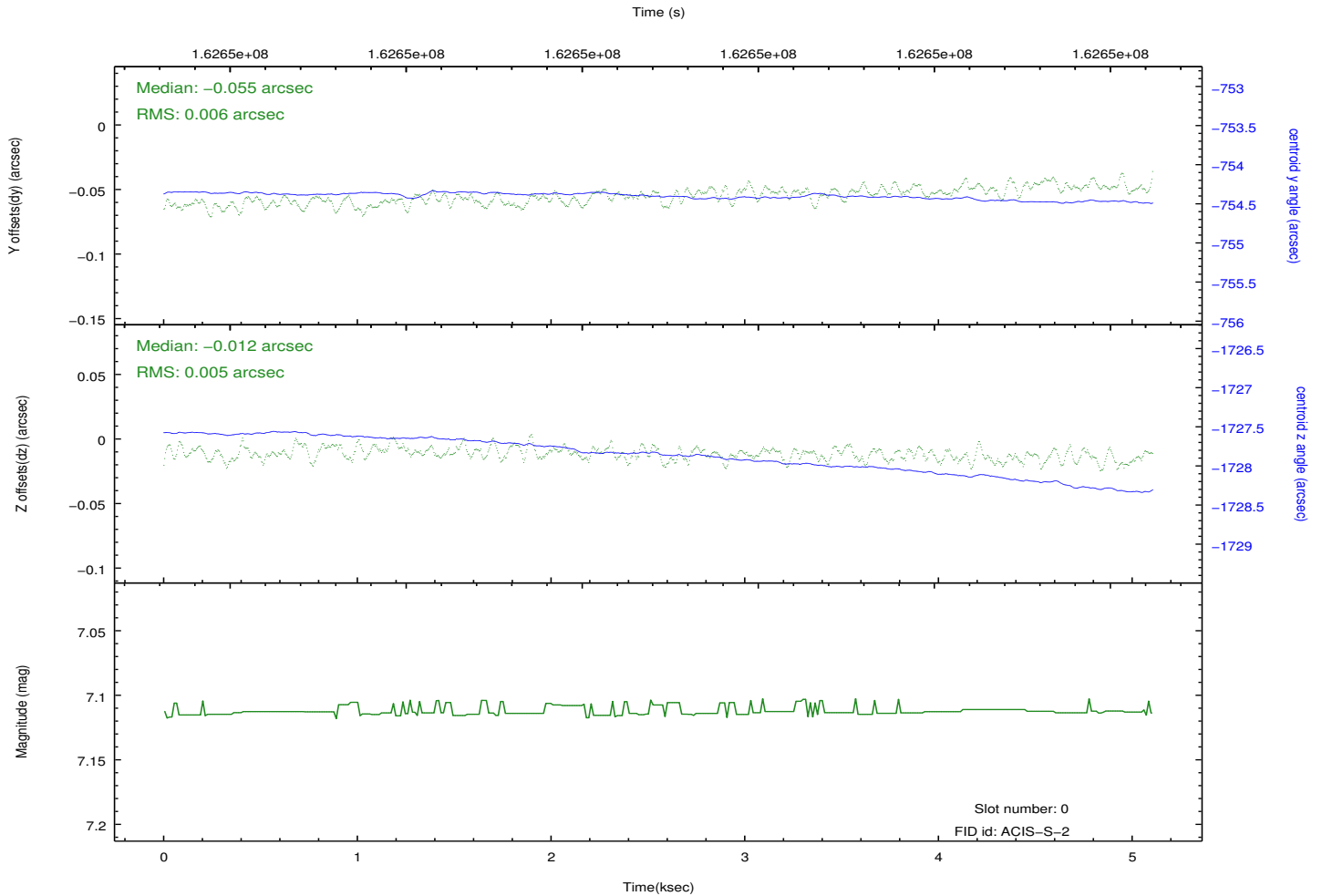
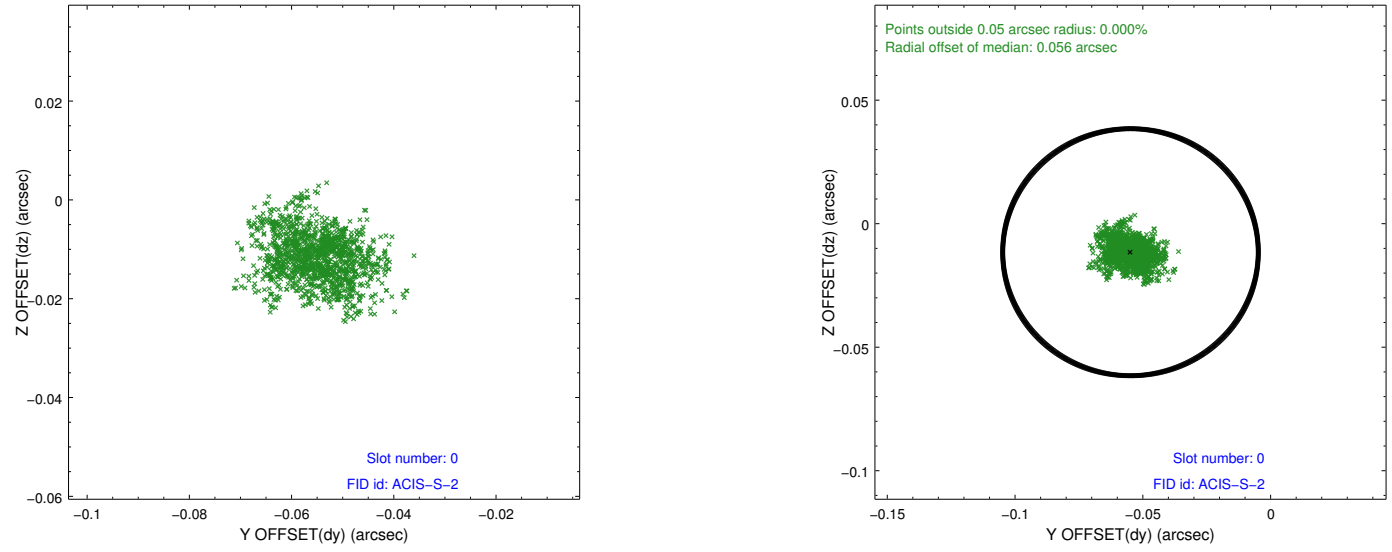


Time (s)

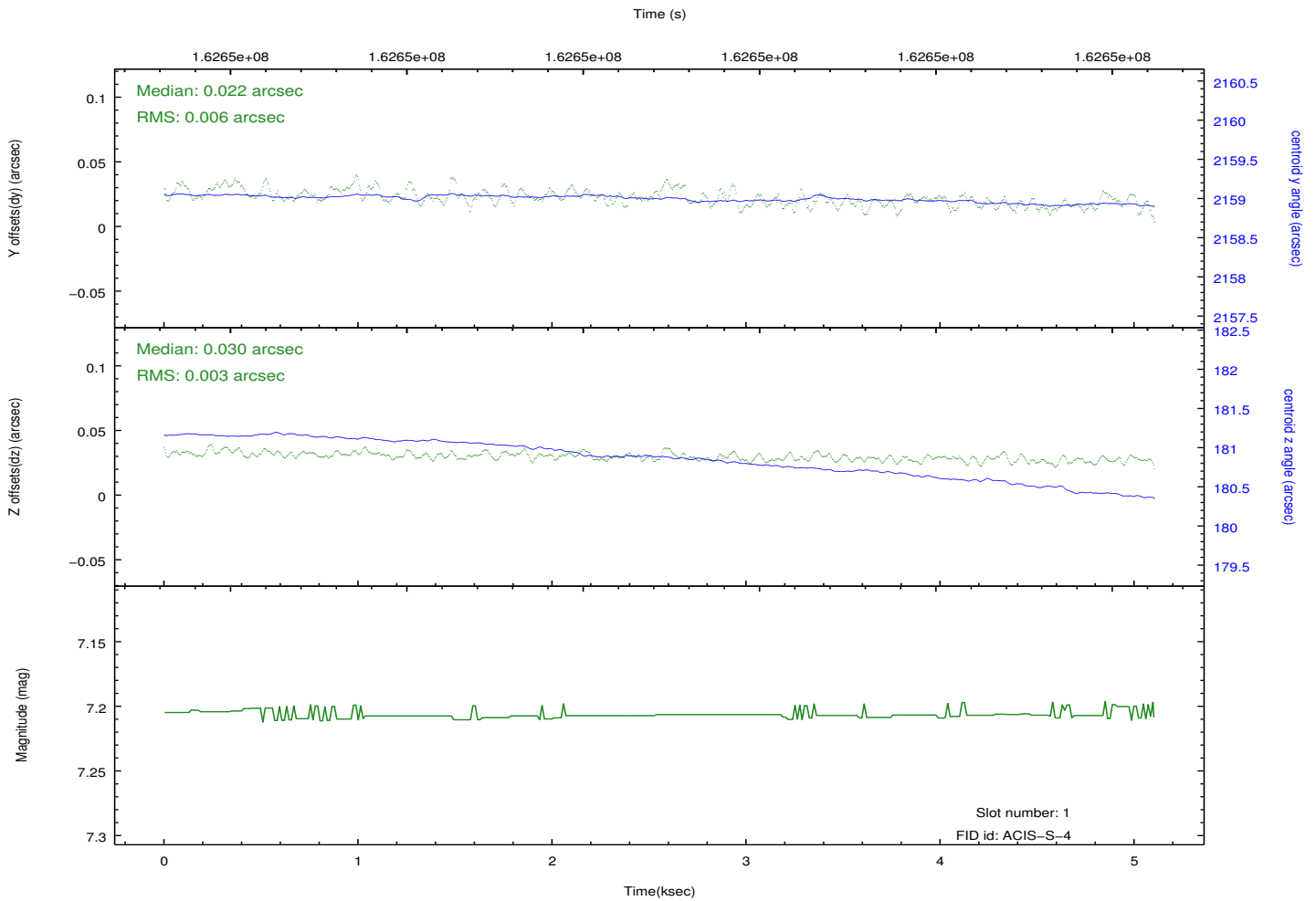
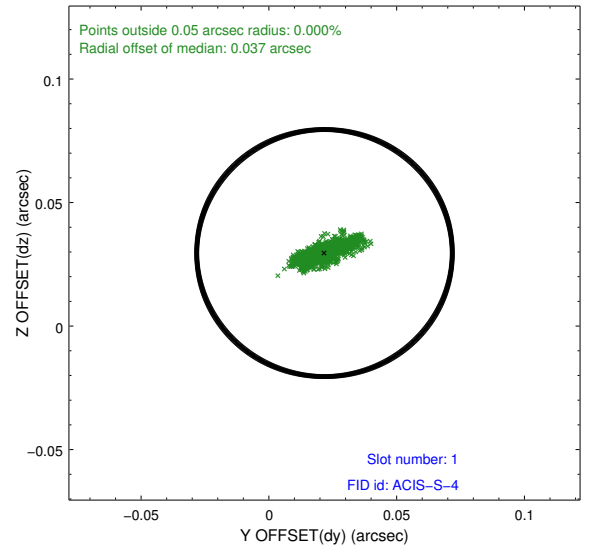
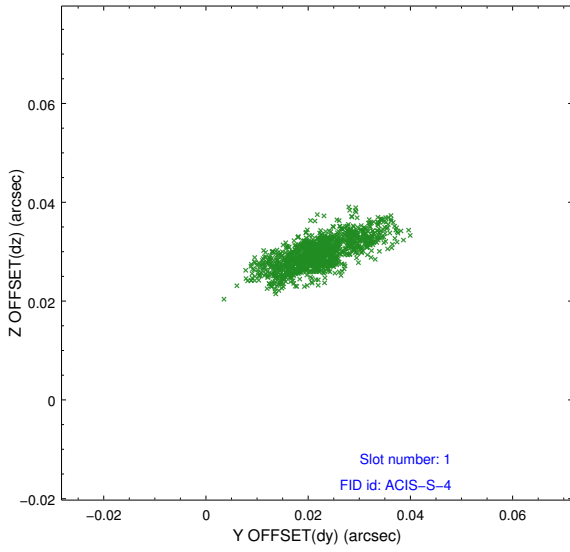


2.5 FID Slots

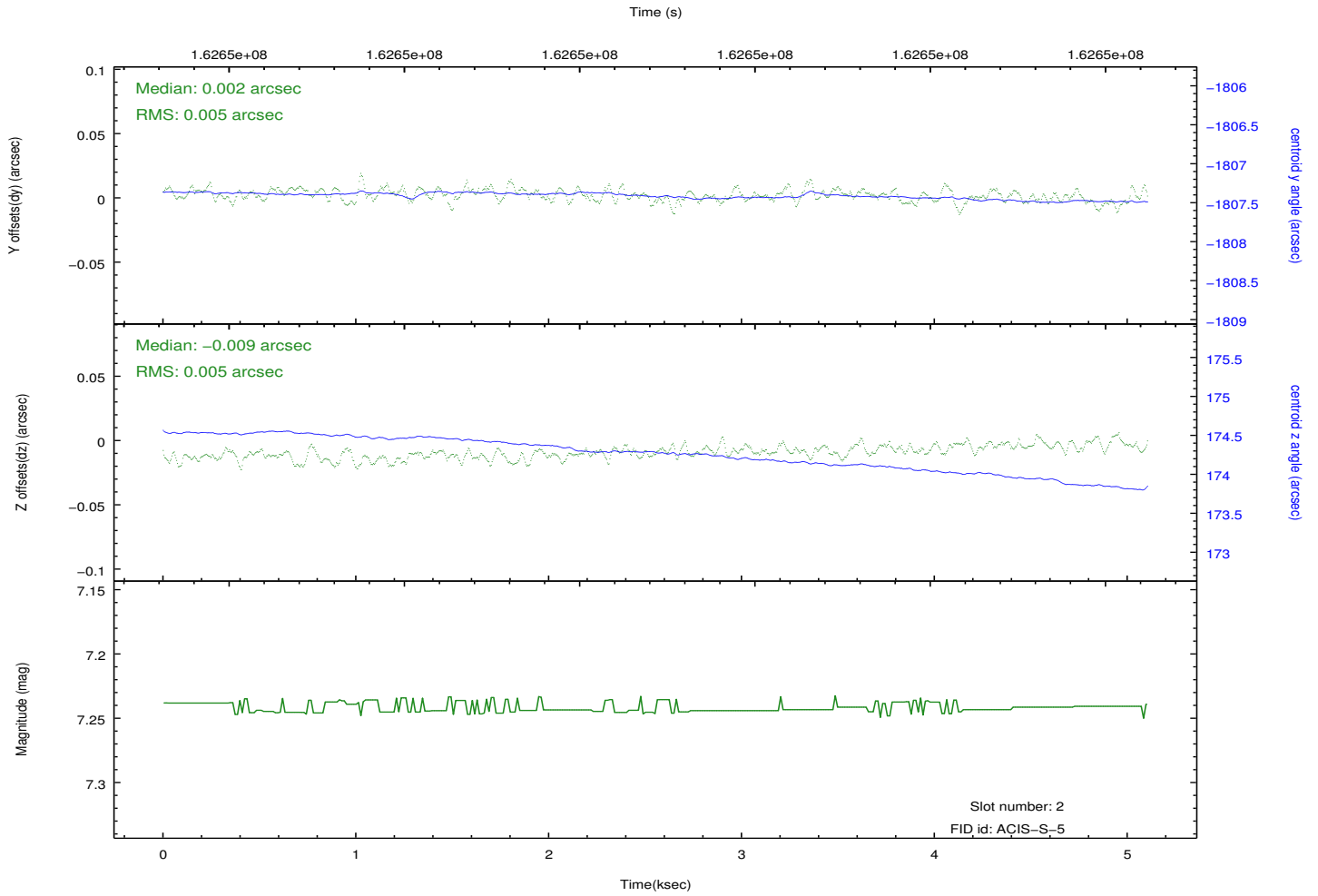
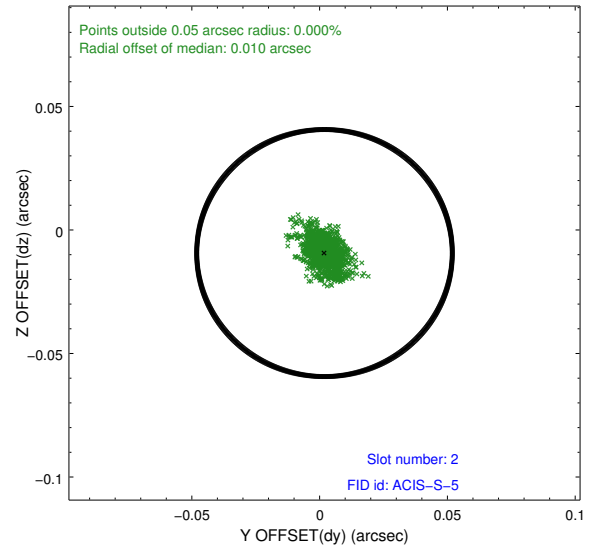
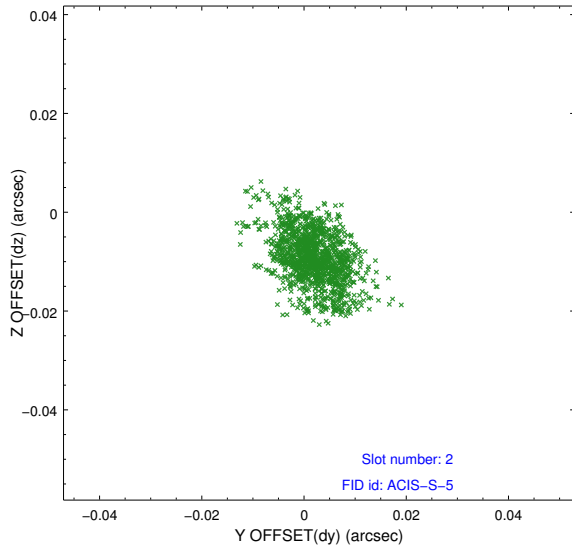
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.097

A.2 Comments