

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6812 - L2 Version 2
Chandra X-Ray Center

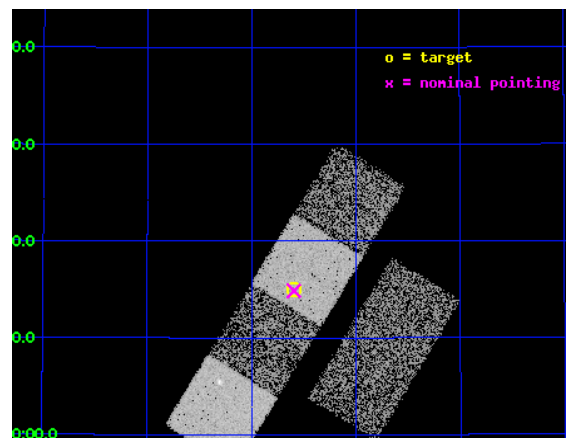
L2 Processing Date : Apr 9 2012

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1 Front

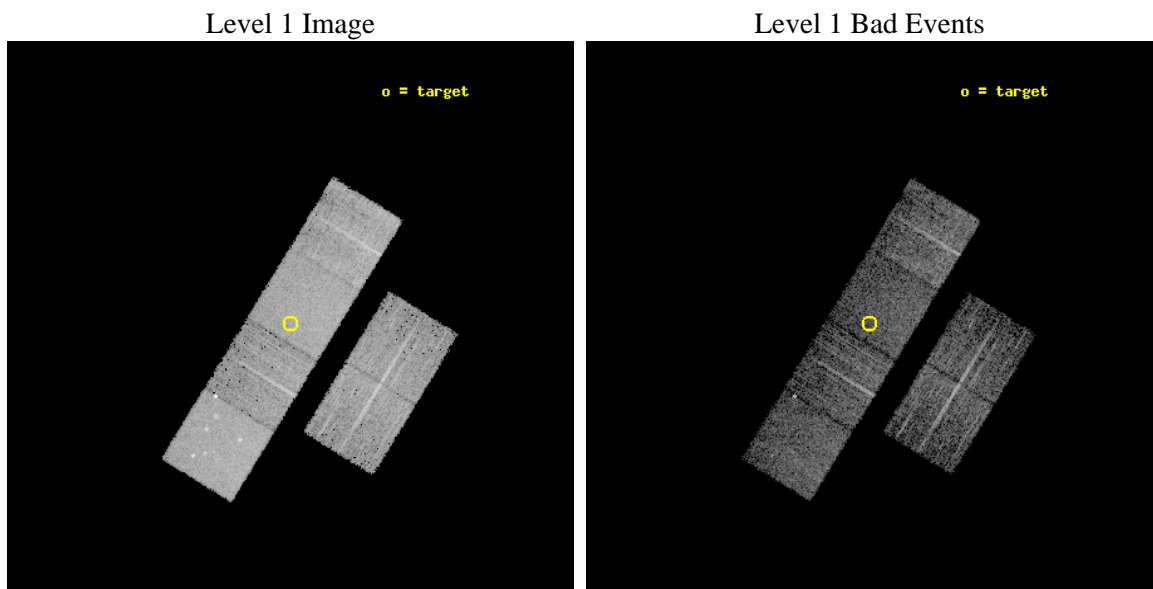
seq_num	701230	Sequence number
obs_id	6812	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1438+4314	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.649583	Observer's specified target RA [deg]
dec_targ	43.249778	Observer's specified target Dec [deg]
ra_nom	219.64847321184	Nominal RA [deg]
dec_nom	43.2478663695	Nominal Dec [deg]
roll_nom	301.59739261487	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3756.7999860644	Sum of GTIs [s]
livetime	3709.2291225675	Livetime [s]
ontime2	3756.7999860644	Sum of GTIs [s]
ontime3	3756.7999860644	Sum of GTIs [s]
ontime5	3756.7999860644	Sum of GTIs [s]
ontime6	3756.7999860644	Sum of GTIs [s]
ontime7	3756.7999860644	Sum of GTIs [s]
ontime8	3753.5590258241	Sum of GTIs [s]
l2events	55172	Number of level 2 events



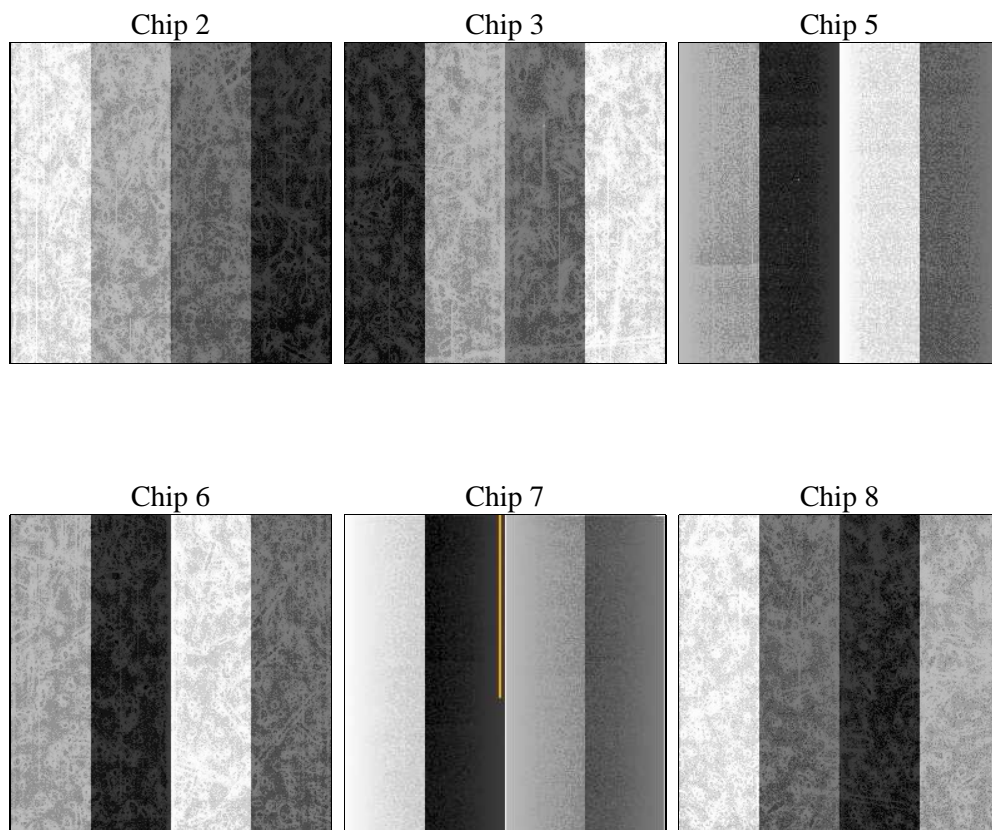
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3756.7999860644	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3756.7999860644	Sum of GTIs [s]
date	2012-04-09T15:33:37	Date and time of file creation	ontime3	3756.7999860644	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3756.7999860644	Sum of GTIs [s]
			ontime6	3756.7999860644	Sum of GTIs [s]
			ontime7	3756.7999860644	Sum of GTIs [s]
			ontime8	3753.5590258241	Sum of GTIs [s]
			l1events	245644	Number of level 1 events

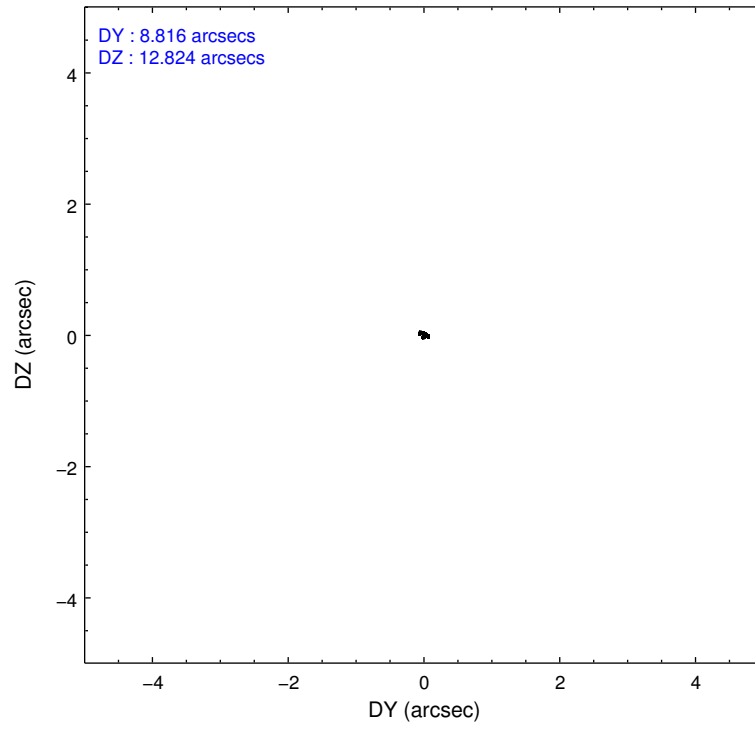
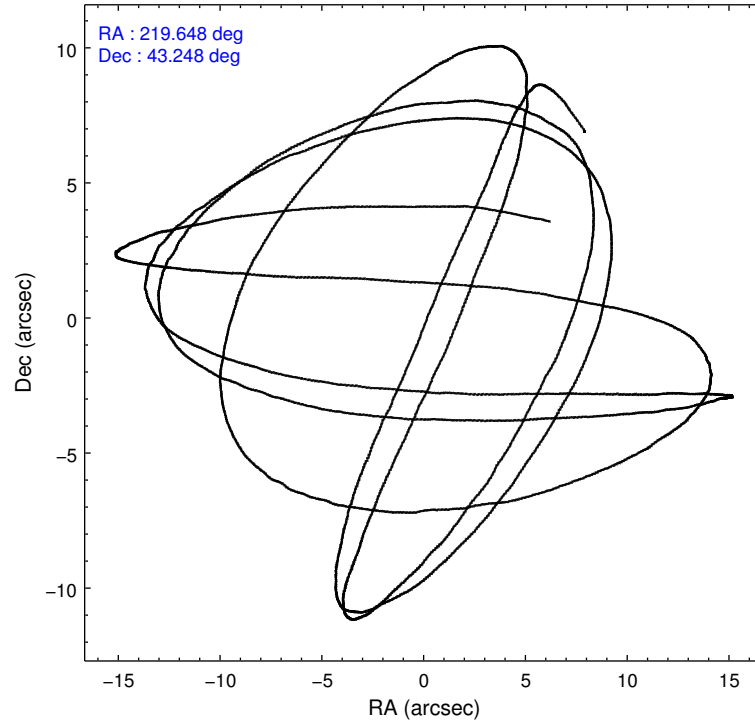
2.1.4 Events

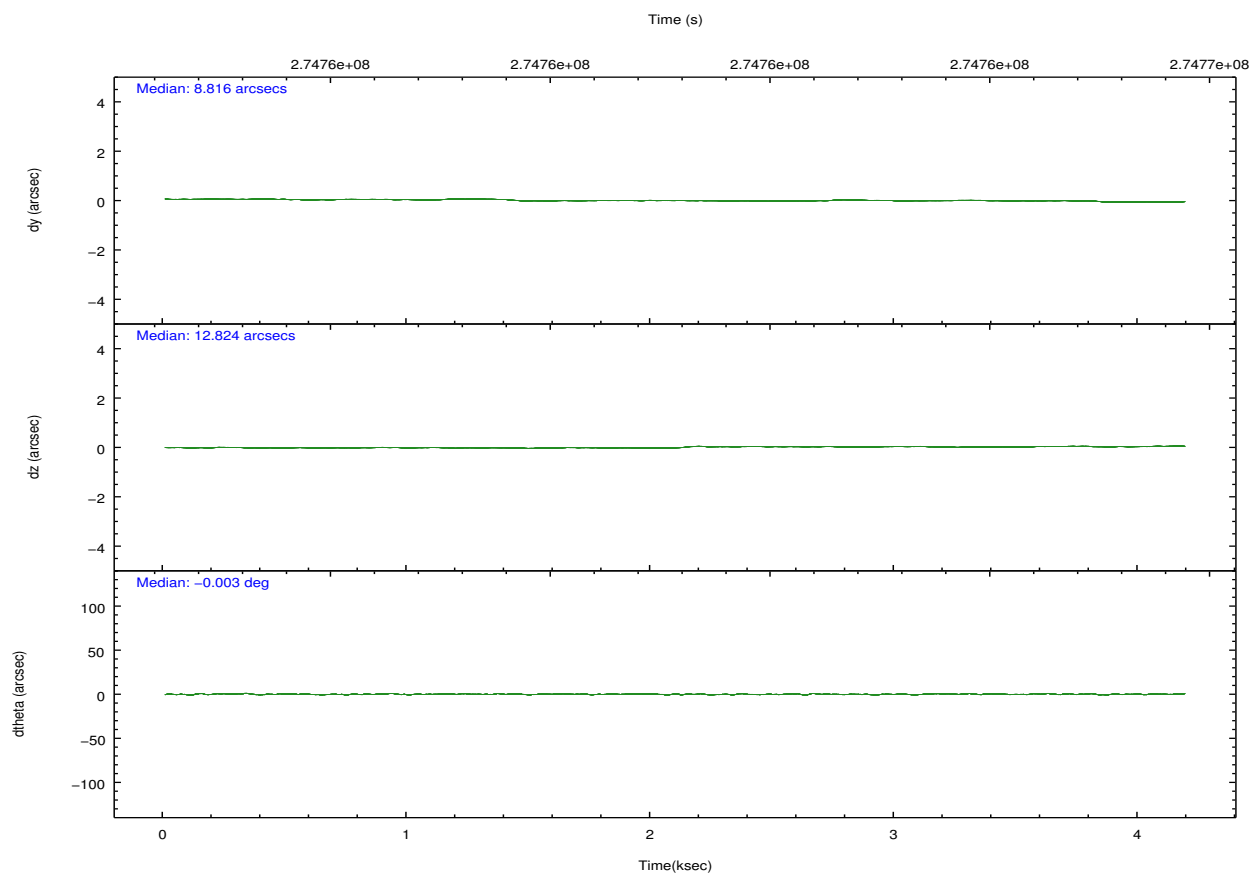
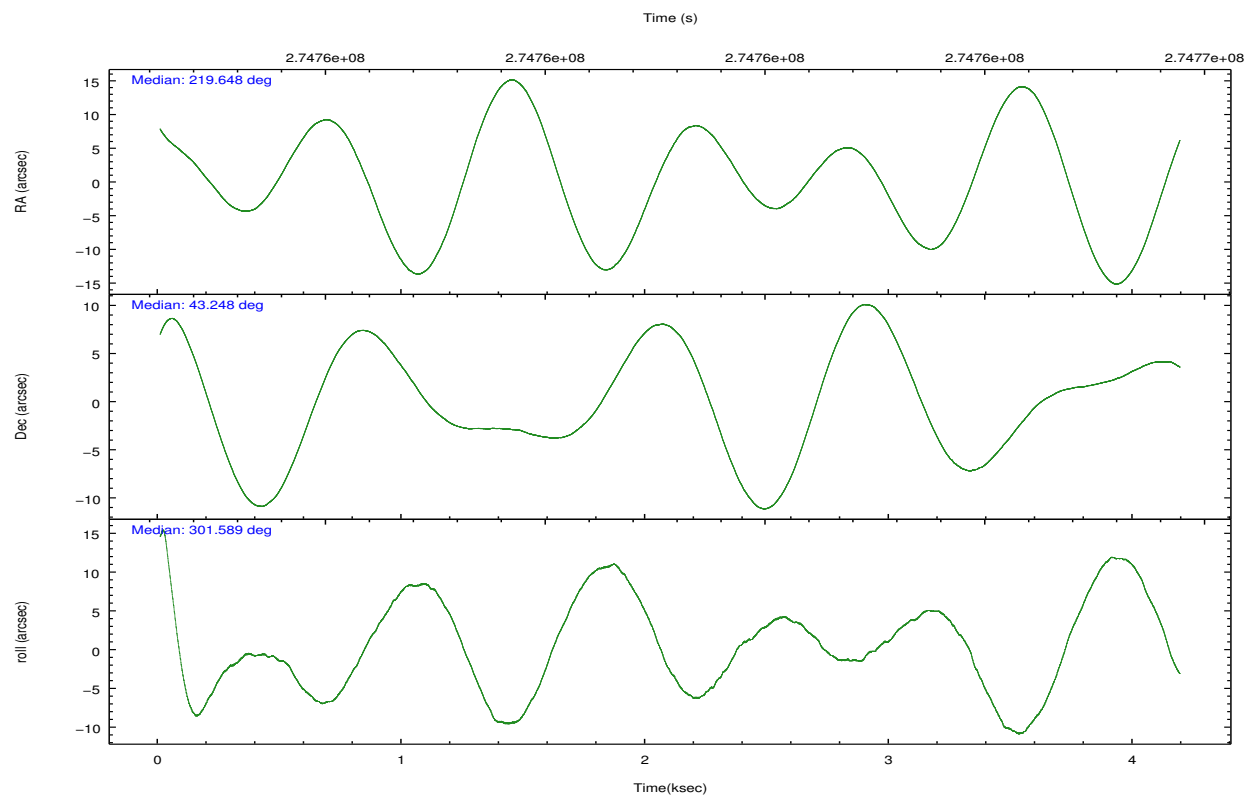
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34822	31954	53112	32981	46440	46335	grade 0 events	1795	1633	2586	1560	1630	2916
rejected events	30768	28116	28424	28953	27293	36627		5%	5%	4%	4%	3%	6%
rejected %	88%	87%	53%	87%	58%	79%	grade 1 events	21	24	165	17	60	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	839	737	7445	878	3830	2211
								2%	2%	14%	2%	8%	4%
							grade 3 events	375	381	911	392	1675	910
								1%	1%	1%	1%	3%	1%
							grade 4 events	355	393	903	367	1651	845
								1%	1%	1%	1%	3%	1%
							grade 5 events	1347	1475	3925	1521	4457	1902
								3%	4%	7%	4%	9%	4%
							grade 6 events	694	699	12868	833	10372	2830
								1%	2%	24%	2%	22%	6%
							grade 7 events	29396	26612	24309	27413	22765	34671
								84%	83%	45%	83%	49%	74%

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	219.615400	219.648473211836	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.260468	43.24786636949994	Alternating exposures requested	N	N
[deg] Pointing Roll	301.463357	301.5973926148729	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	274761669.184000	274760941.13161			
Observation start date	2006-09-16T02:40:04	2006-09-16T02:29:01			
[s] Observation end time (MET)	274765669.184000	274766026.15685			
Observation end date	2006-09-16T03:46:44	2006-09-16T03:53:46			
Read mode	TIMED	TIMED			

2.3 Aspect



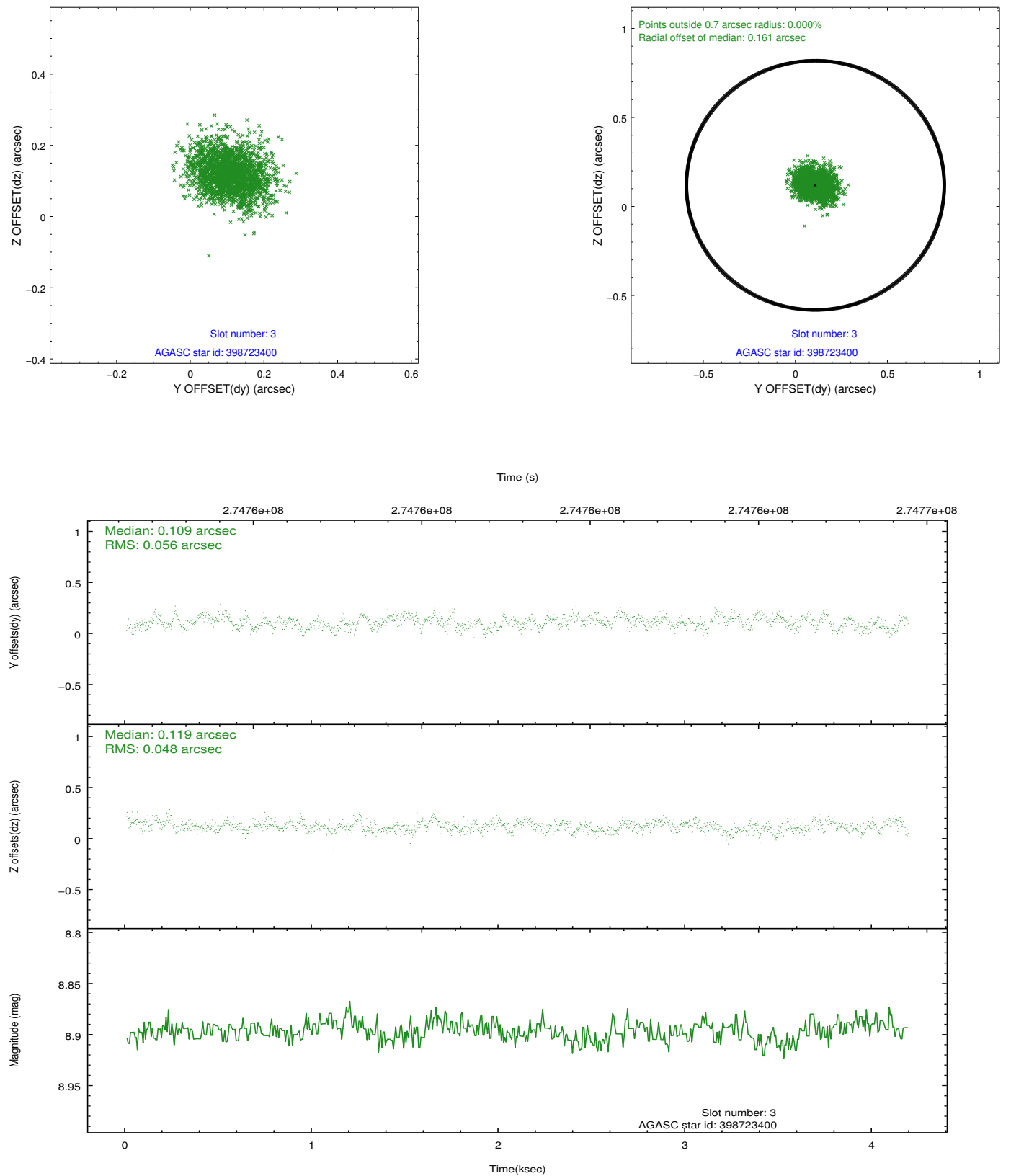


Slot Statistics

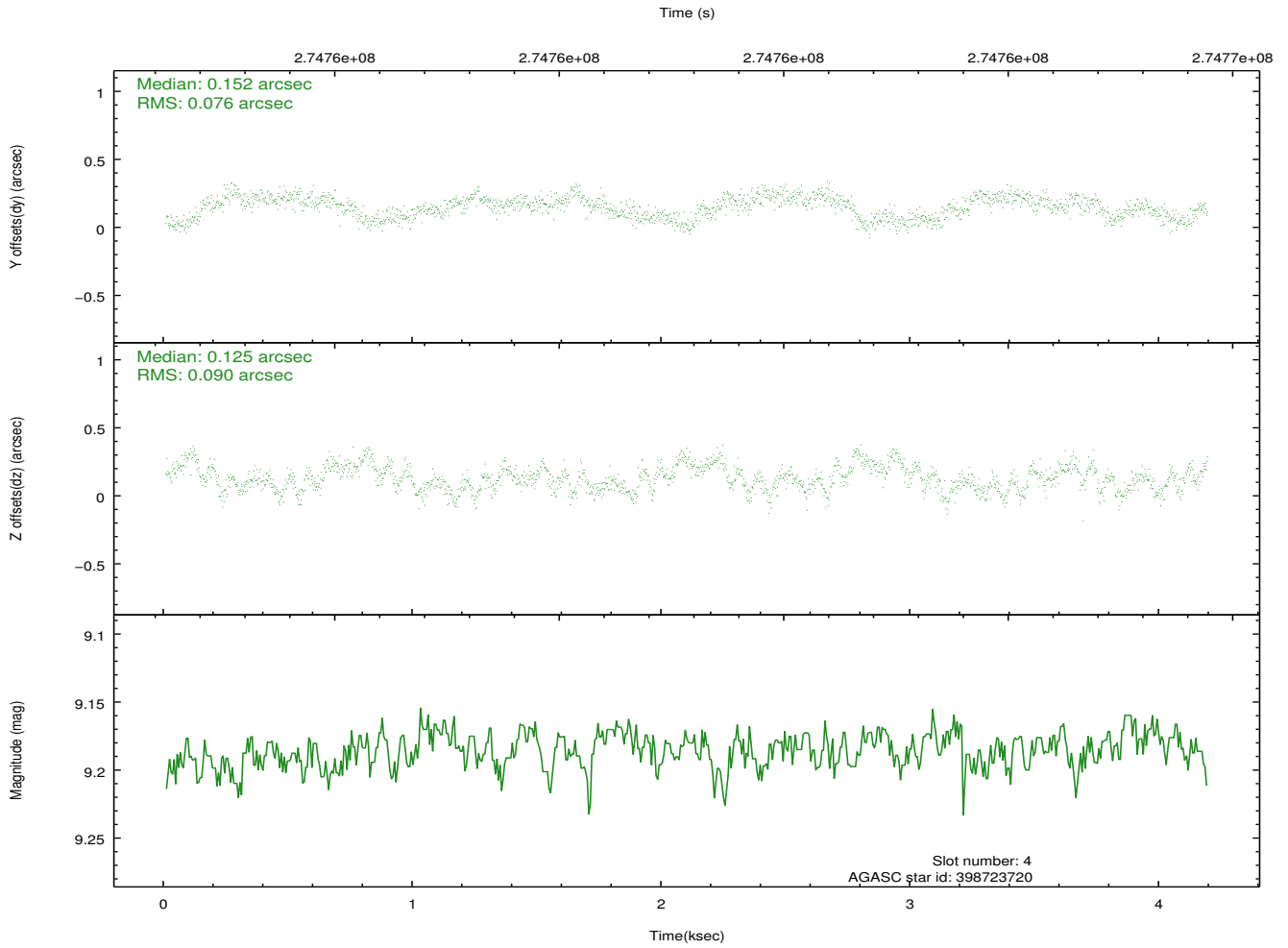
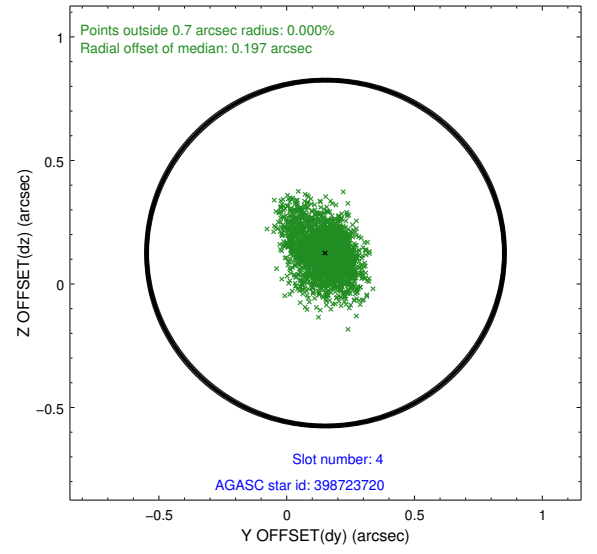
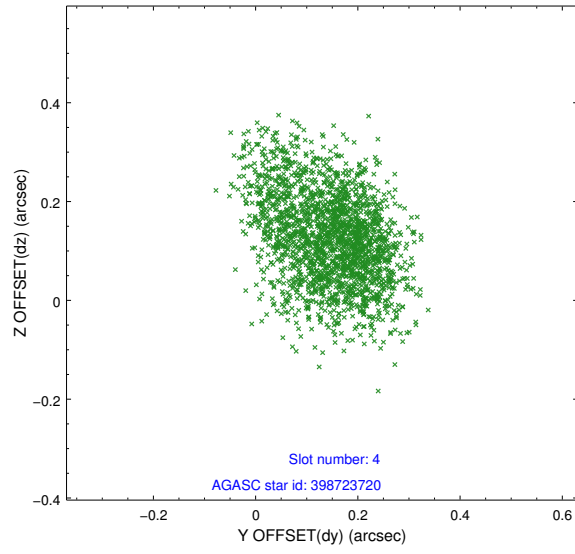
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1021	-0.009	-0.045	0.007	0.011	0.000000	0.000000	-761.65	-1734.14
1	FID	ACIS-S-4	7.19	1021	0.123	0.016	0.007	0.011	0.000000	0.000000	2151.10	172.84
2	FID	ACIS-S-5	7.23	1021	-0.145	0.037	0.007	0.012	0.000000	0.000000	-1812.71	168.26
3	GUIDE	398723400	8.90	2043	0.109	0.119	0.078	0.127	219.721634	43.928220	-1906.35	1489.92
4	GUIDE	398723720	9.19	2038	0.152	0.125	0.126	0.205	218.827755	43.032063	-389.69	-2191.49
5	GUIDE	398726536	6.77	2043	0.047	0.109	0.073	0.106	219.232597	42.831163	789.34	-1668.83
6	GUIDE	399642016	8.57	2043	-0.241	-0.380	0.085	0.134	220.448965	43.130228	1534.08	1628.29
7	GUIDE	399643192	8.87	2039	-0.064	0.031	0.097	0.148	220.450167	43.481764	450.14	2282.50

2.4 Star Slots

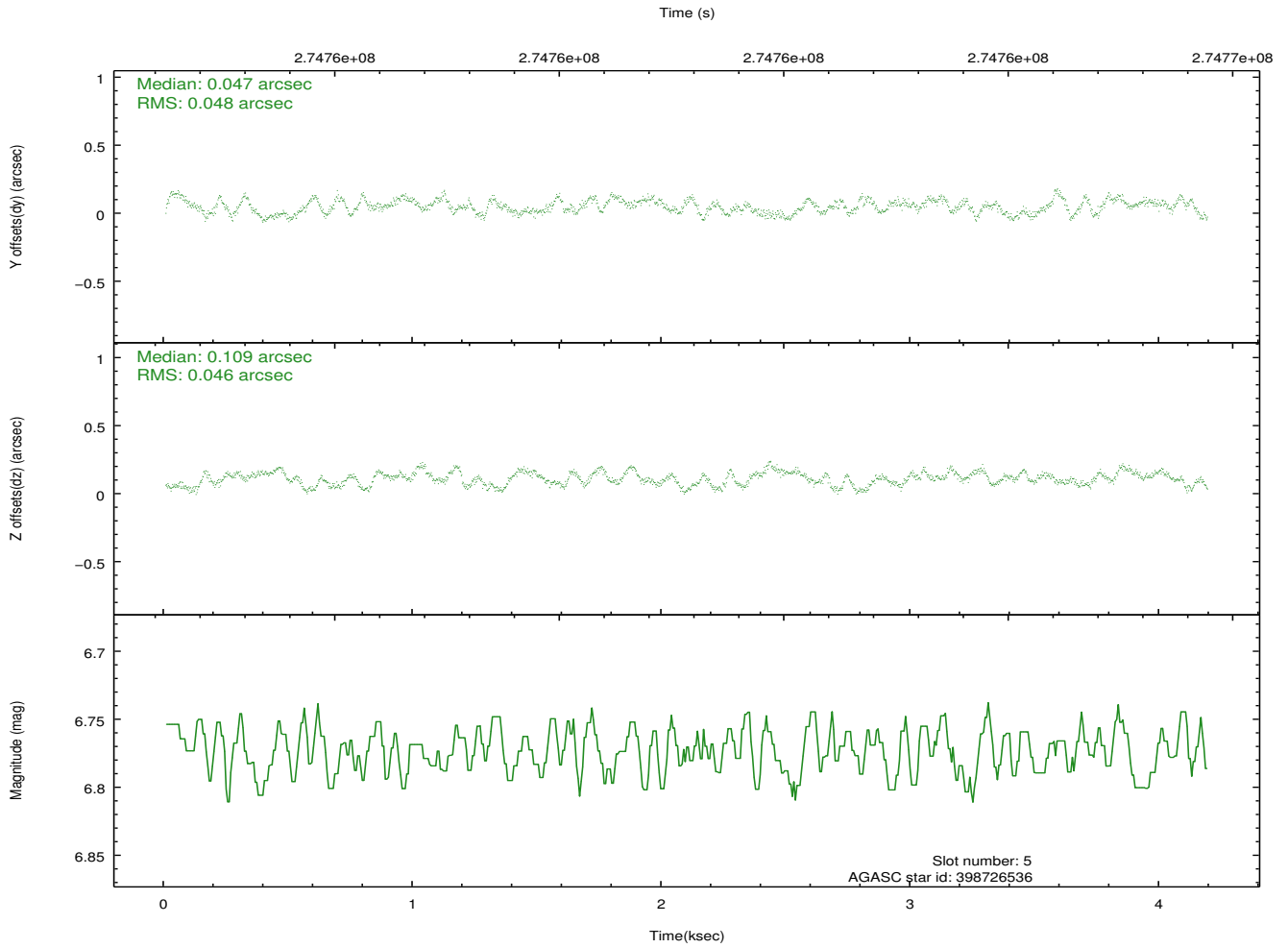
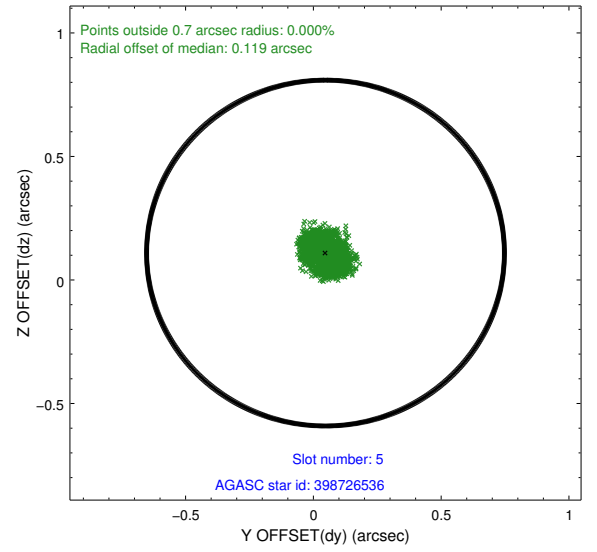
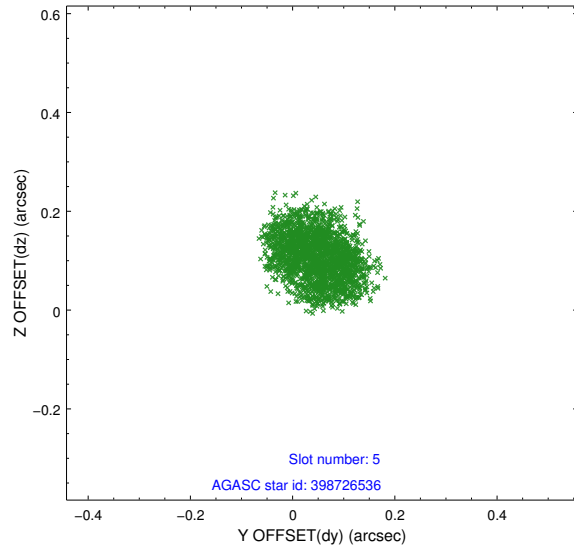
2.4.1 Slot 3



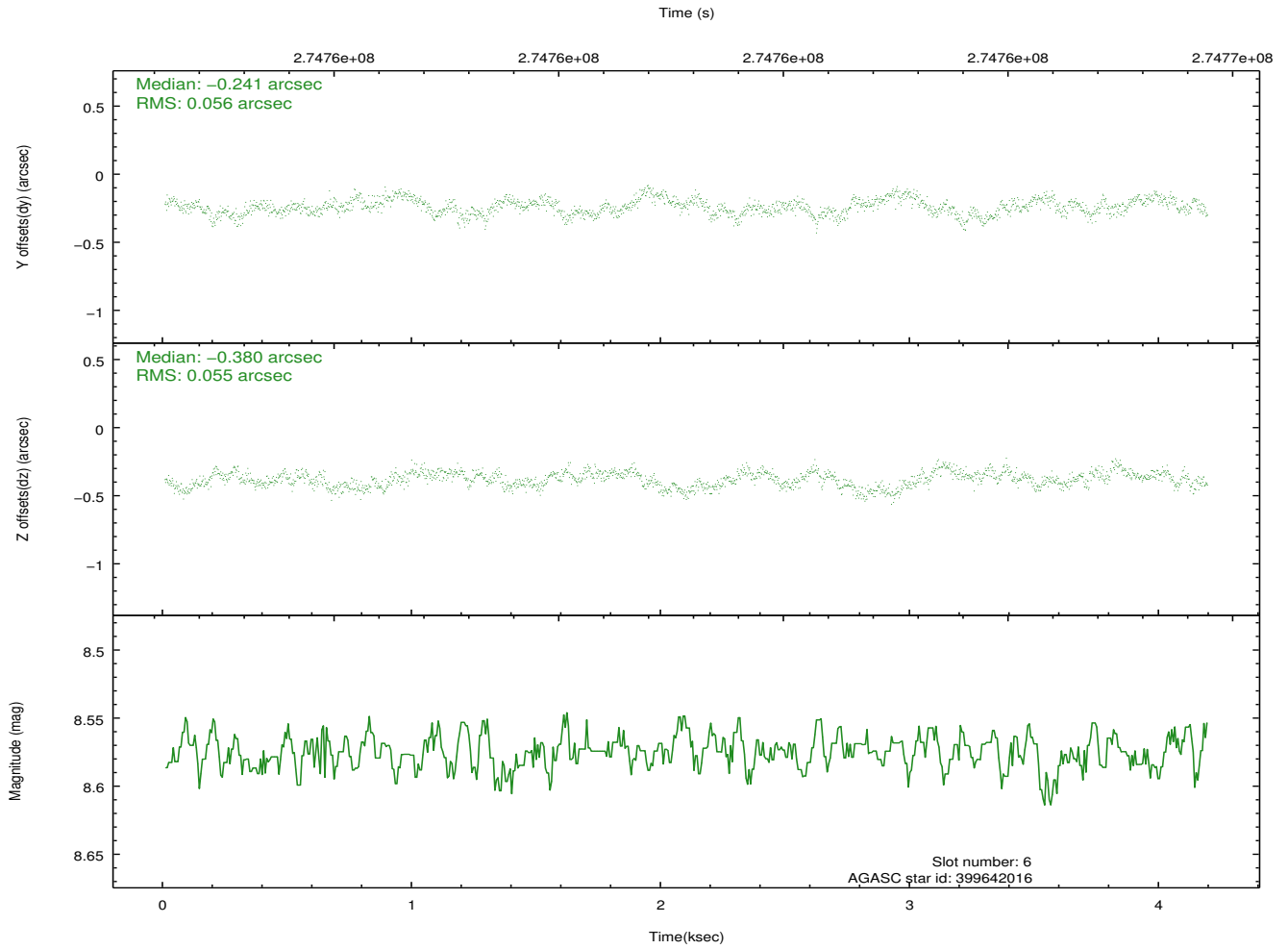
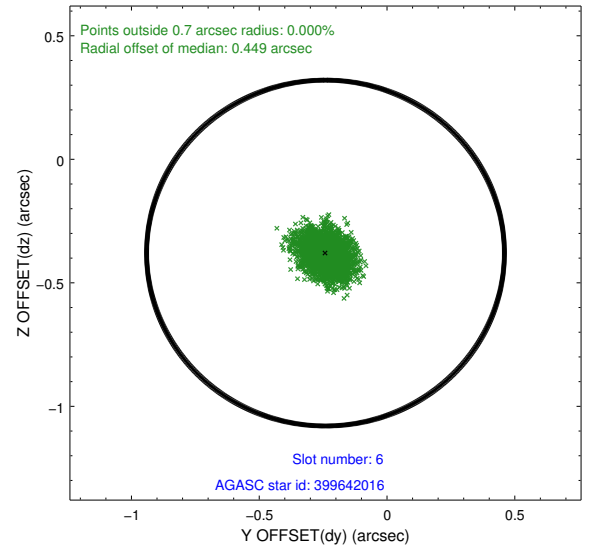
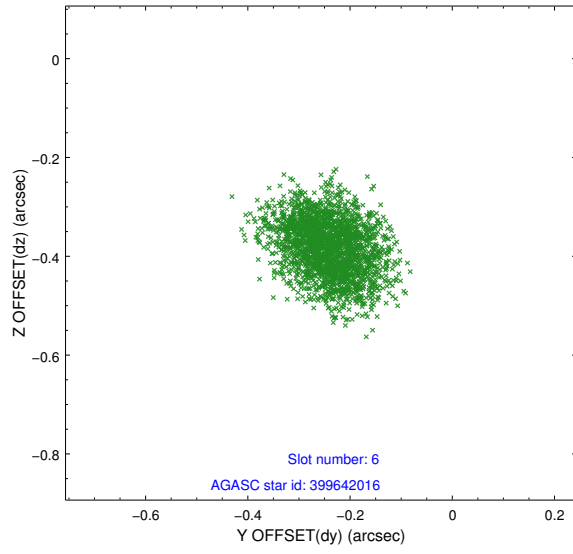
2.4.2 Slot 4



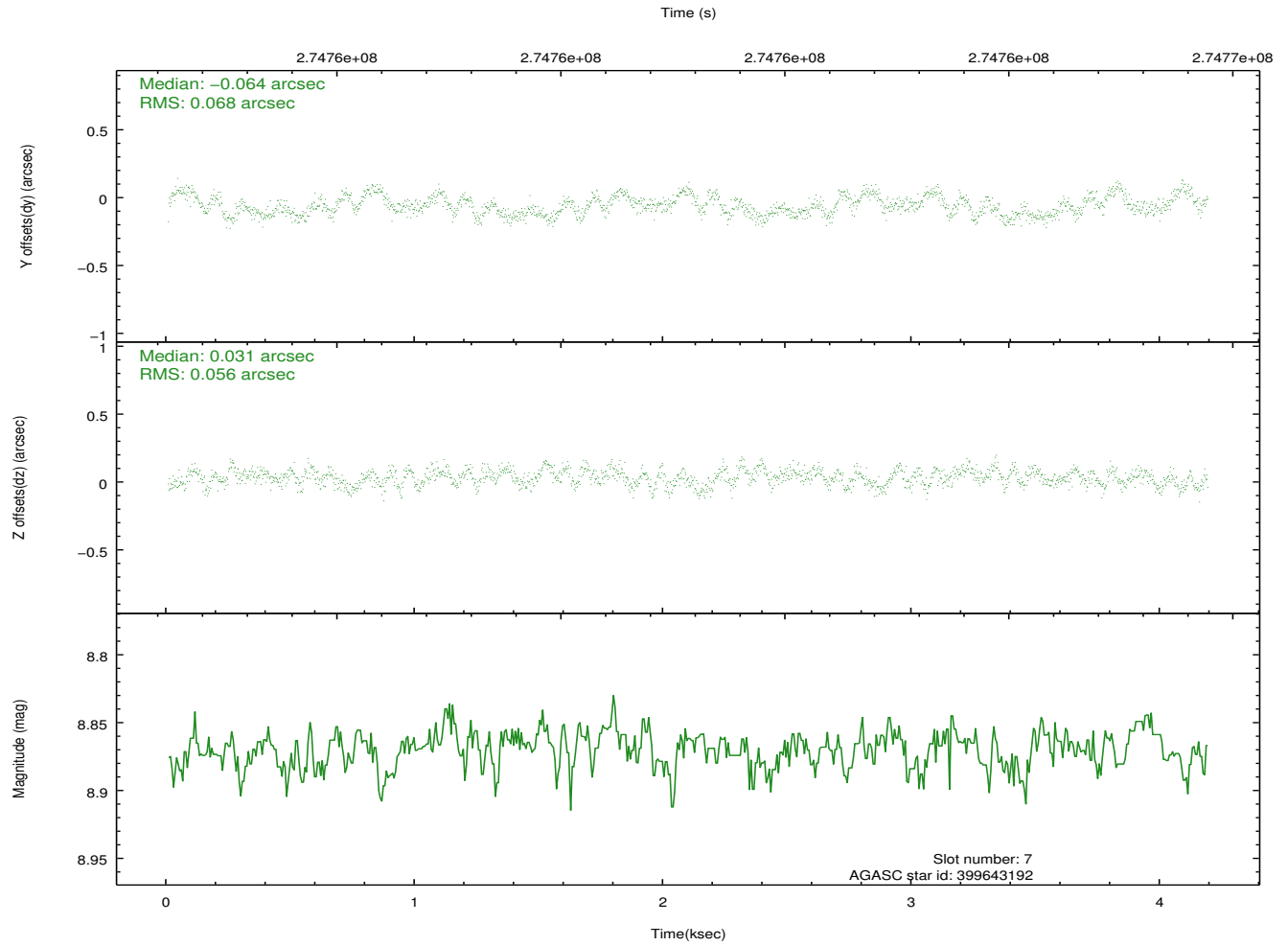
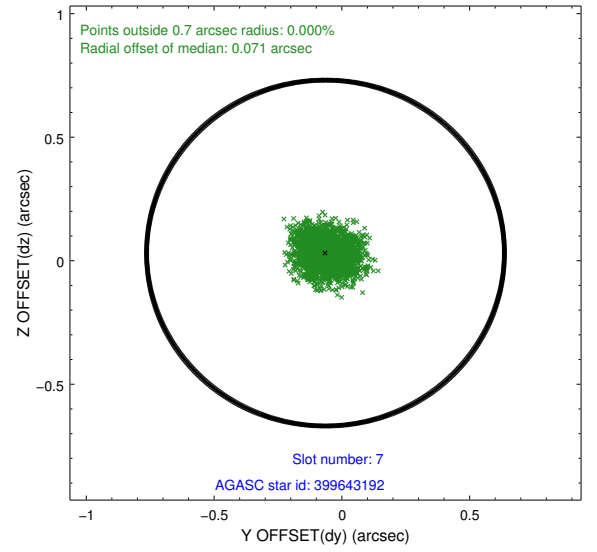
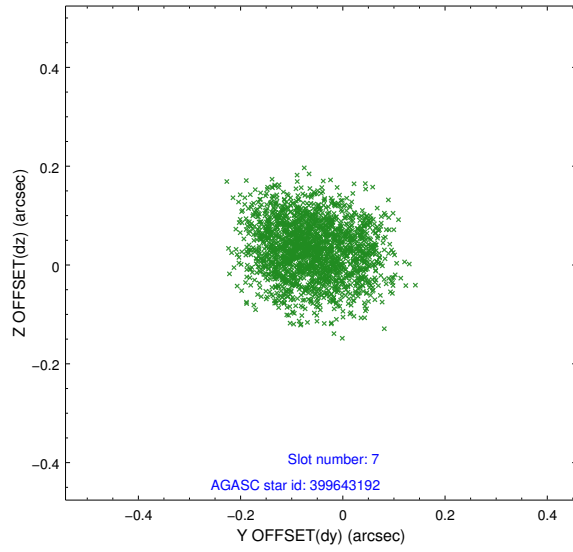
2.4.3 Slot 5



2.4.4 Slot 6

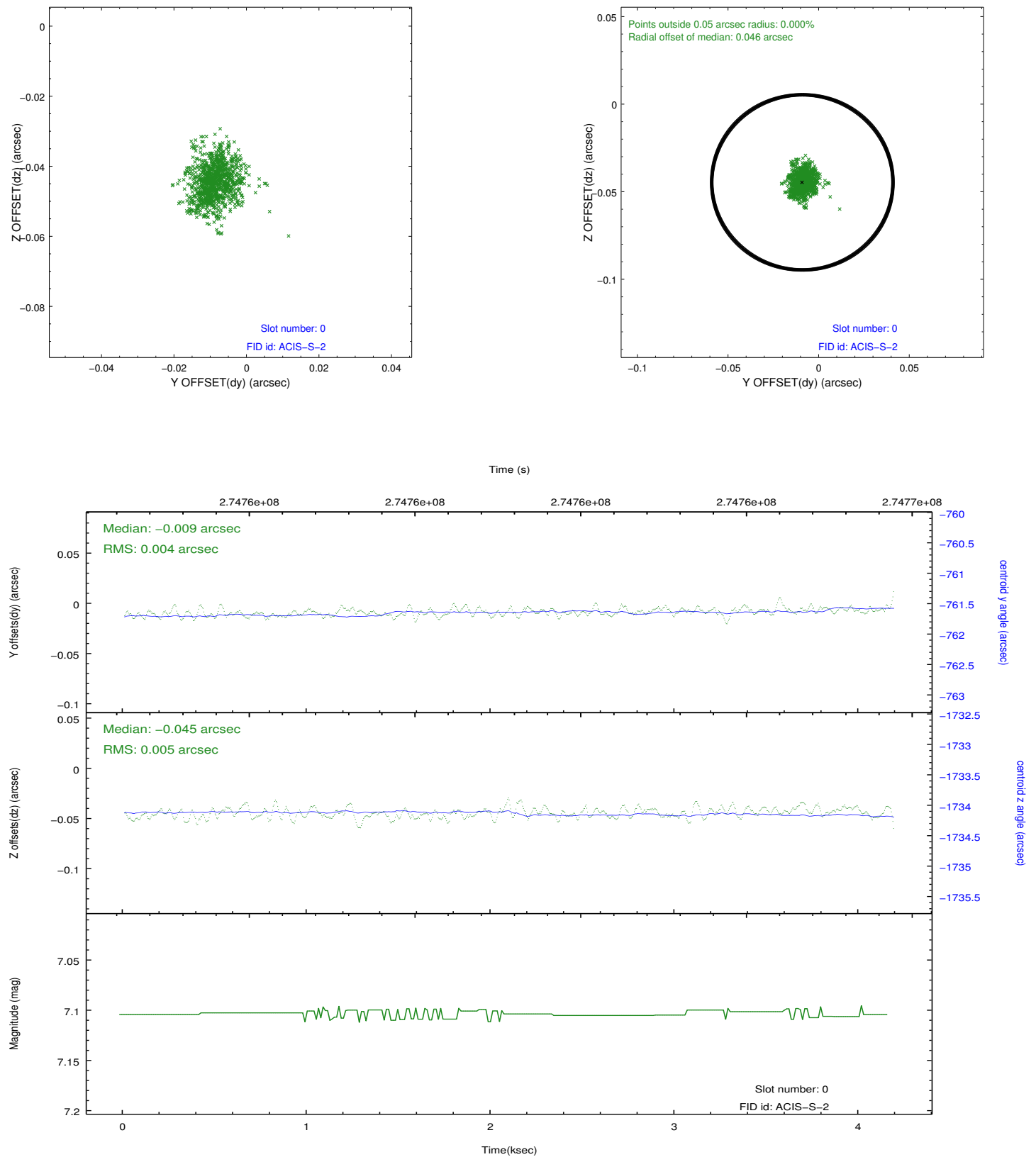


2.4.5 Slot 7

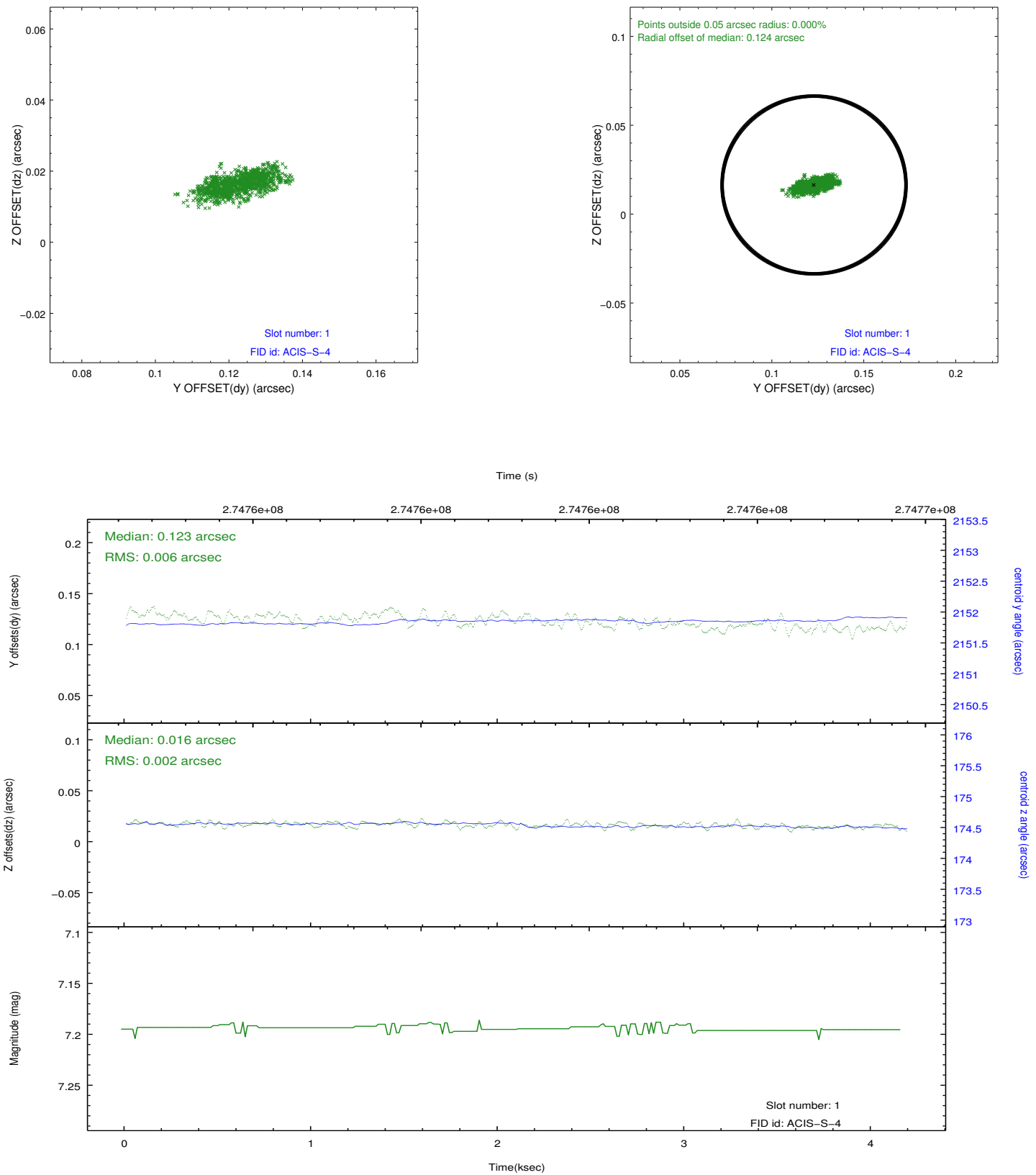


2.5 FID Slots

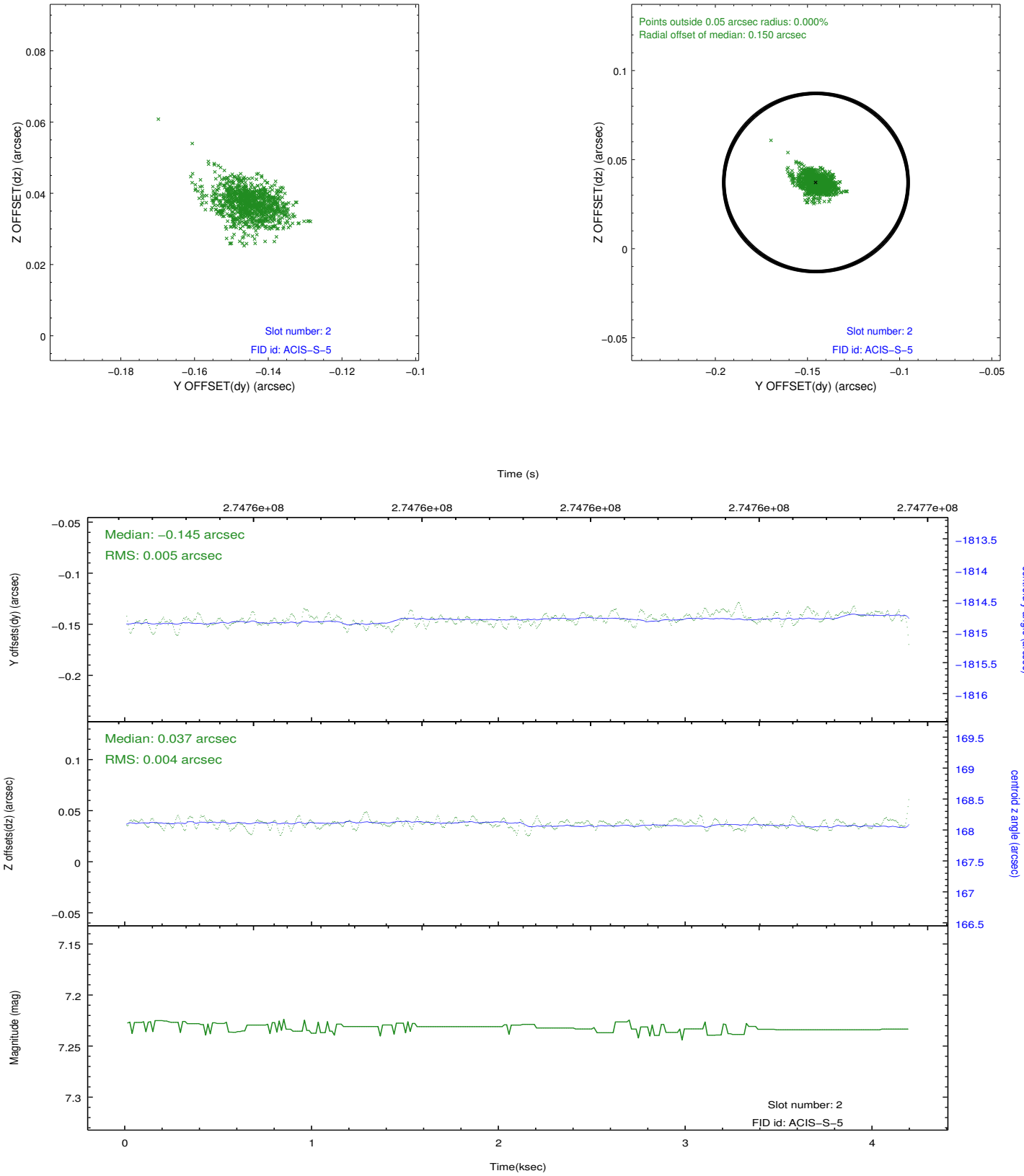
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.75679998

A.2 Comments