

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6826 - L2 Version 2
Chandra X-Ray Center

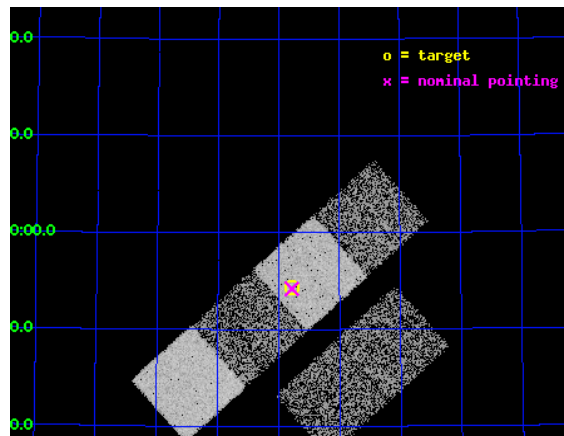
L2 Processing Date : Apr 9 2012

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1 Front

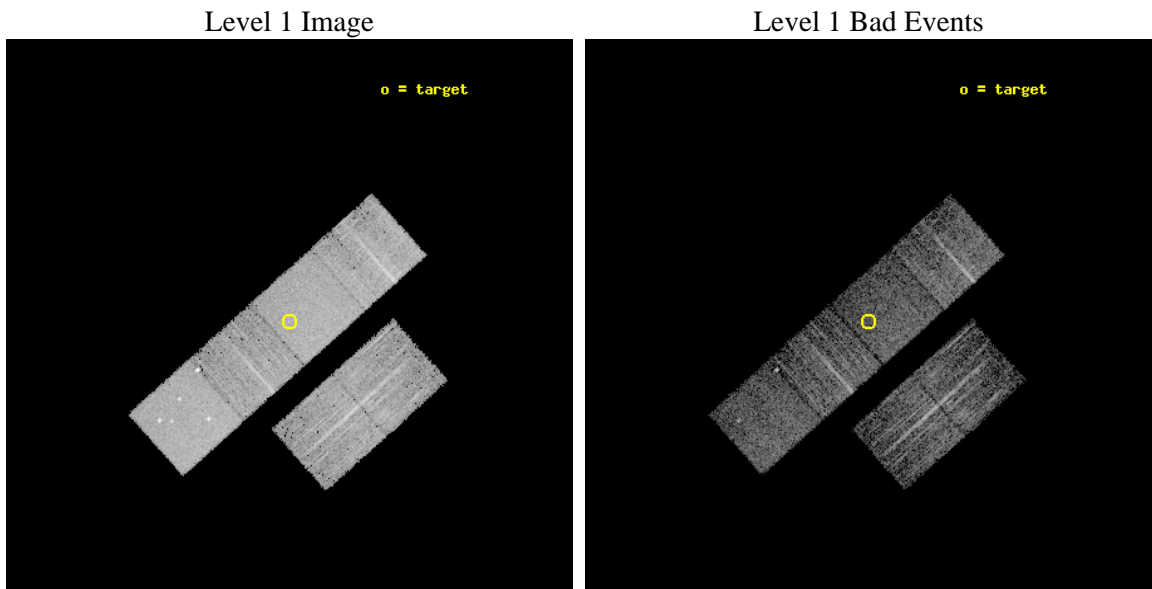
seq_num	701244	Sequence number
obs_id	6826	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1407+6454	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.946667	Observer's specified target RA [deg]
dec_targ	64.905528	Observer's specified target Dec [deg]
ra_nom	211.94613188659	Nominal RA [deg]
dec_nom	64.903536215558	Nominal Dec [deg]
roll_nom	318.09297325614	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3755.7574478388	Sum of GTIs [s]
livetime	3708.1997855886	Livetime [s]
ontime2	3755.7985177636	Sum of GTIs [s]
ontime3	3755.6343577504	Sum of GTIs [s]
ontime5	3755.716437757	Sum of GTIs [s]
ontime6	3755.6753977537	Sum of GTIs [s]
ontime7	3755.7574478388	Sum of GTIs [s]
ontime8	3752.3522279263	Sum of GTIs [s]
l2events	55222	Number of level 2 events



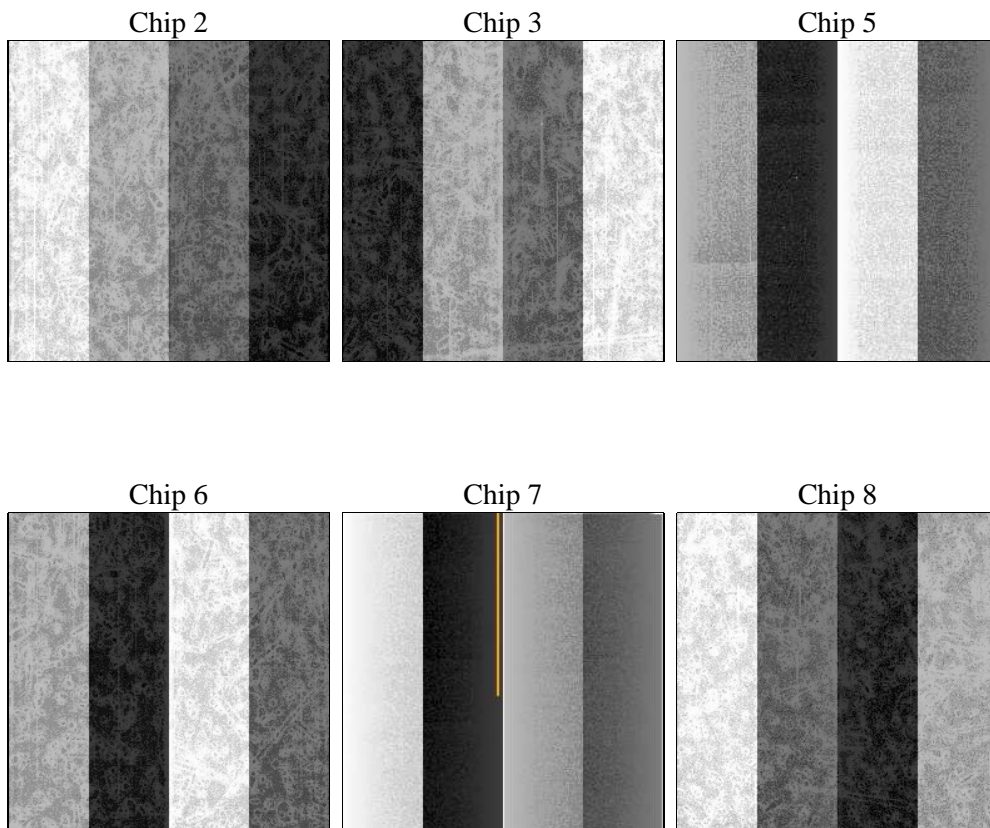
2 OBI

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	3755.7574478388	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3755.7985177636	Sum of GTIs [s]
date	2012-04-09T15:31:31	Date and time of file creation	ontime3	3755.6343577504	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3755.716437757	Sum of GTIs [s]
			ontime6	3755.6753977537	Sum of GTIs [s]
			ontime7	3755.7574478388	Sum of GTIs [s]
			ontime8	3752.3522279263	Sum of GTIs [s]
			l1events	249004	Number of level 1 events

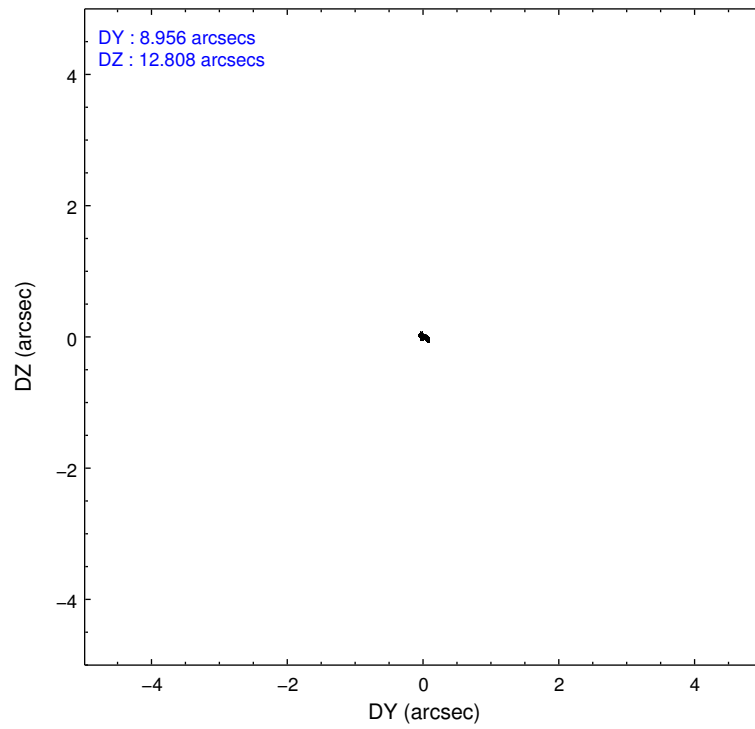
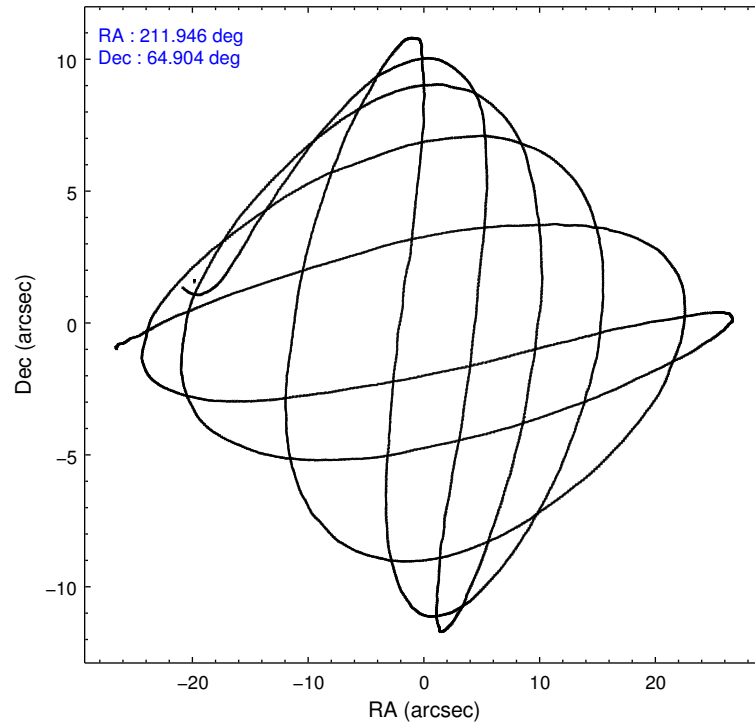
2.1.4 Events

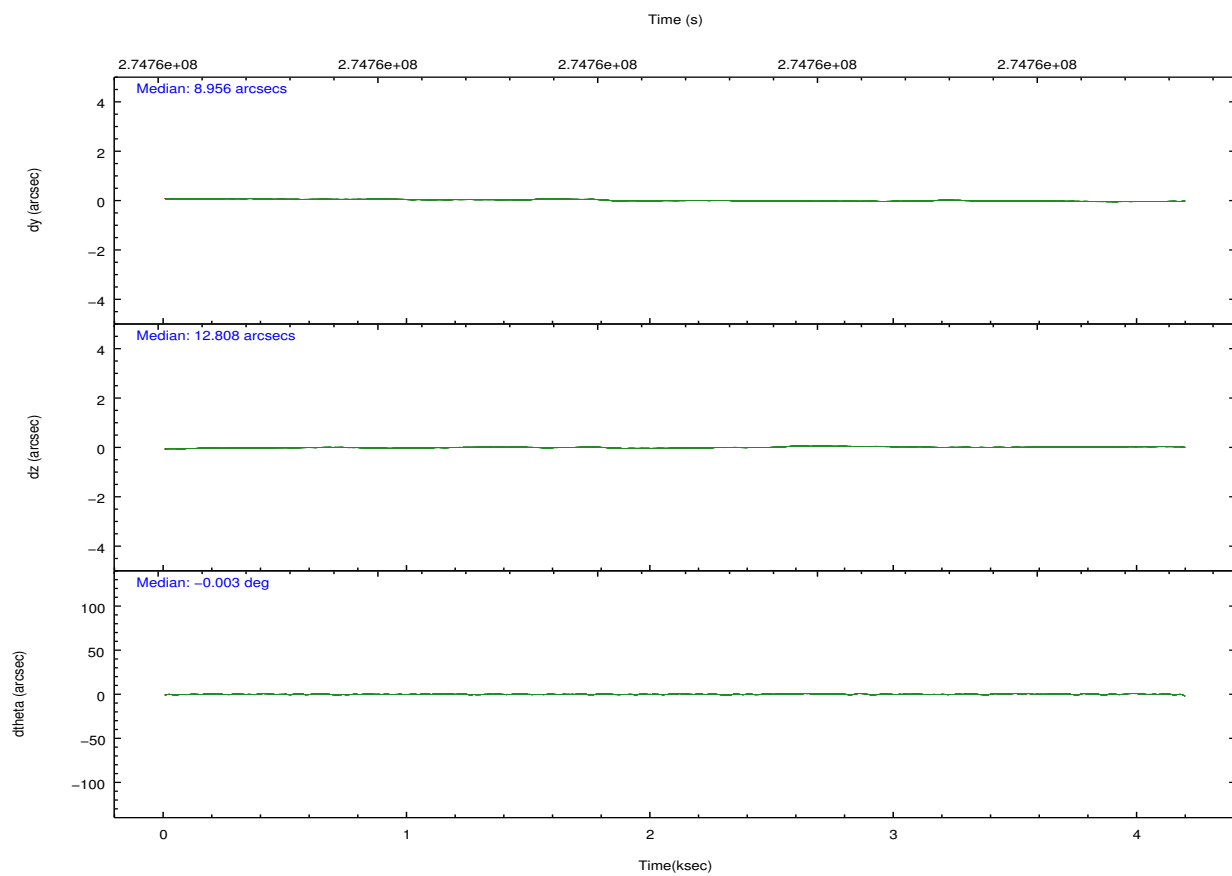
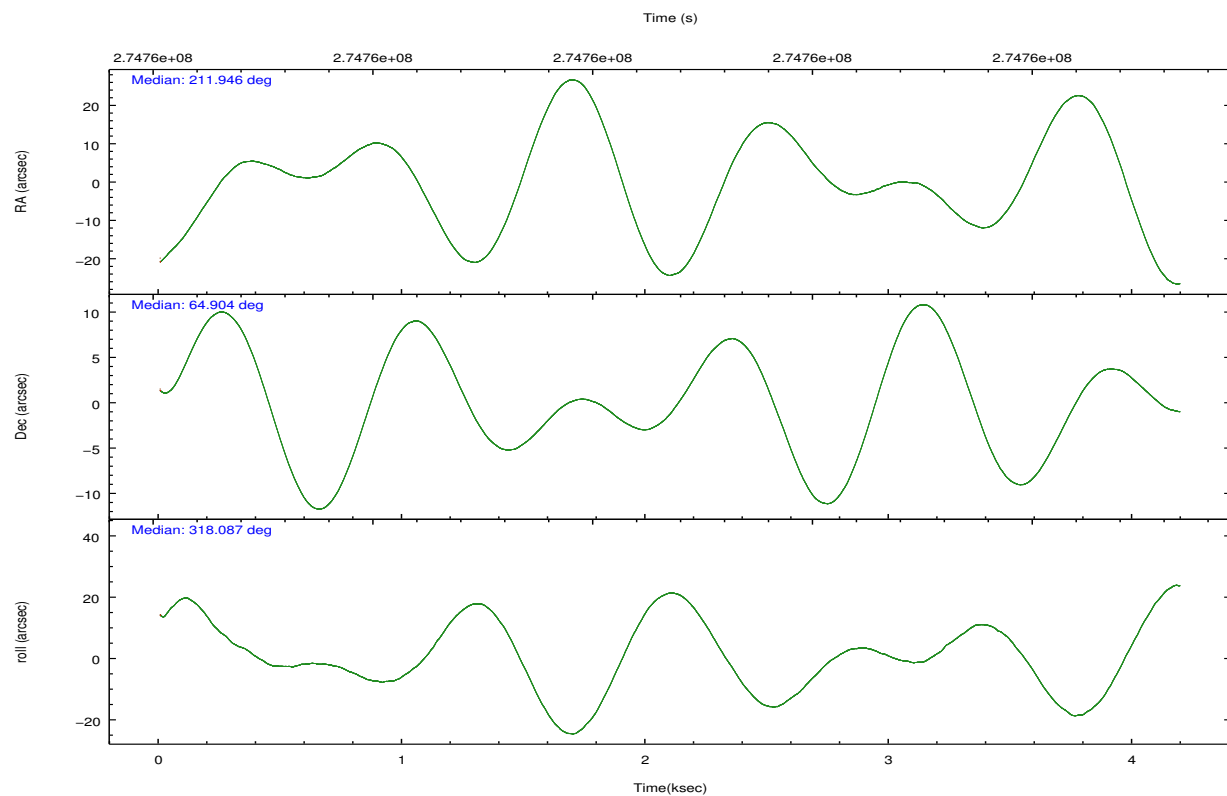
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	35008	33192	52690	35073	46895	46146	grade 0 events	1805	1633	2687	1633	1765	3110
rejected events	30883	29405	28260	30994	27442	36291		5%	4%	5%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	78%	grade 1 events	21	21	169	17	52	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	889	779	7389	889	3781	2129
								2%	2%	14%	2%	8%	4%
							grade 3 events	355	348	886	382	1718	992
								1%	1%	1%	1%	3%	2%
							grade 4 events	391	338	869	364	1698	975
								1%	1%	1%	1%	3%	2%
							grade 5 events	1290	1505	3808	1657	4492	2019
								3%	4%	7%	4%	9%	4%
							grade 6 events	686	694	12618	814	10510	2652
								1%	2%	23%	2%	22%	5%
							grade 7 events	29571	27874	24264	29317	22879	34223
								84%	83%	46%	83%	48%	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	211.883201	211.9461318865861	Subarray requested	NONE	NONE
[deg] Pointing Dec	64.908695	64.90353621555803	Alternating exposures requested	N	N
[deg] Pointing Roll	317.993365	318.0929732561371	[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)	274756455.184000	274755767.95637			
Observation start date	2006-09-16T01:13:10	2006-09-16T01:02:47			
[s] Observation end time (MET)	274760455.184000	274760941.13161			
Observation end date	2006-09-16T02:19:50	2006-09-16T02:29:01			
Read mode	TIMED	TIMED			

2.3 Aspect



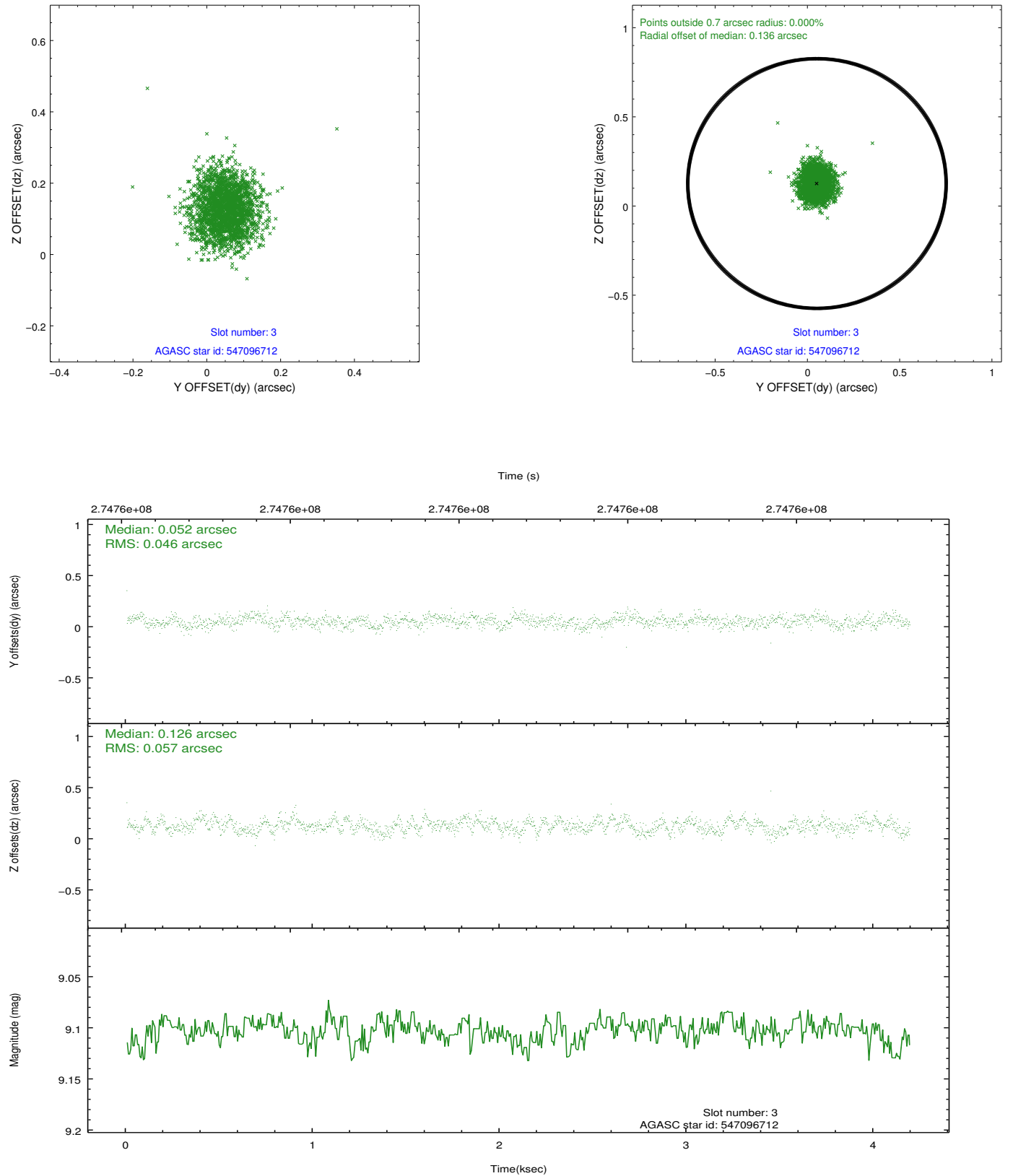


Slot Statistics

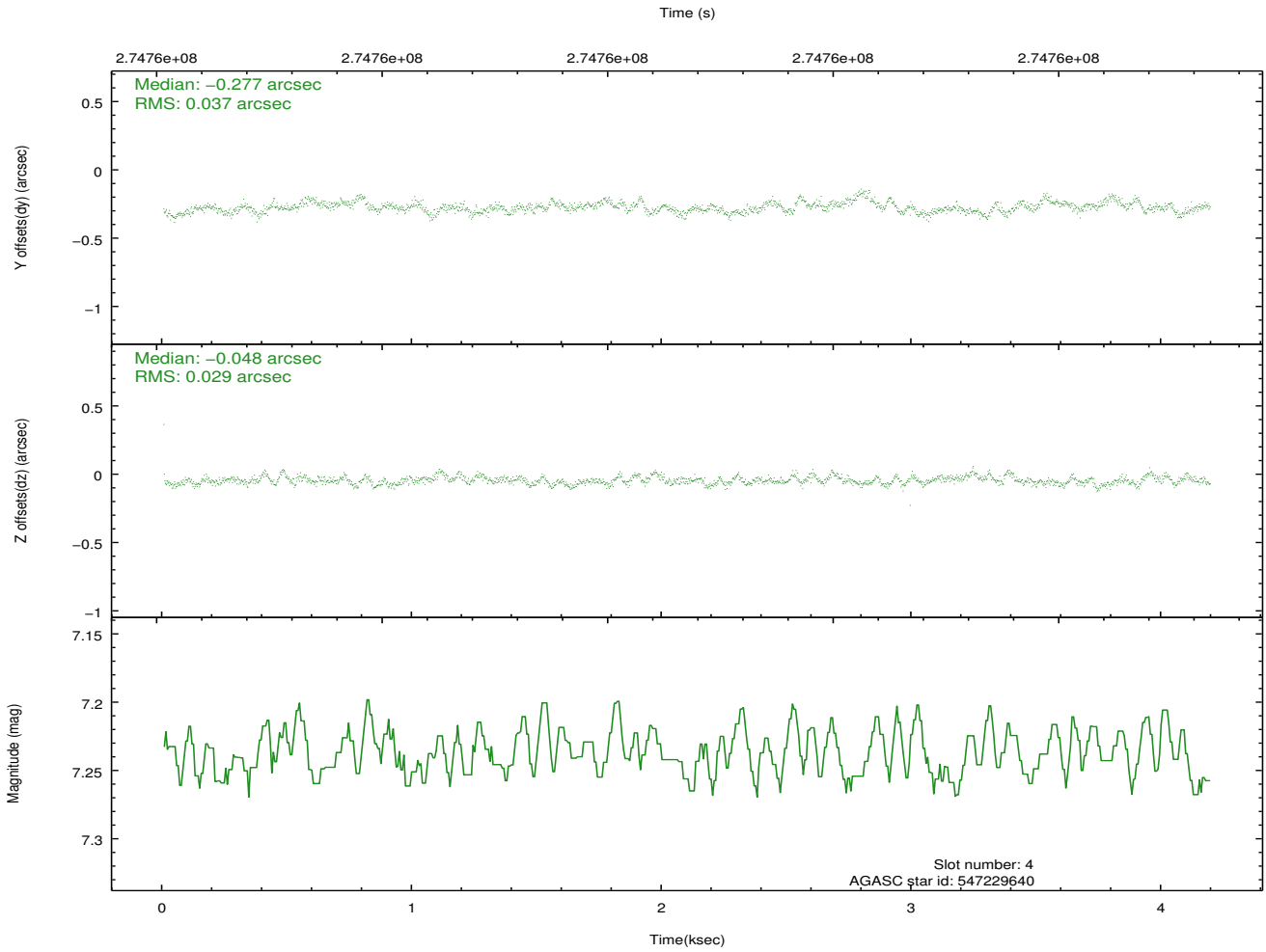
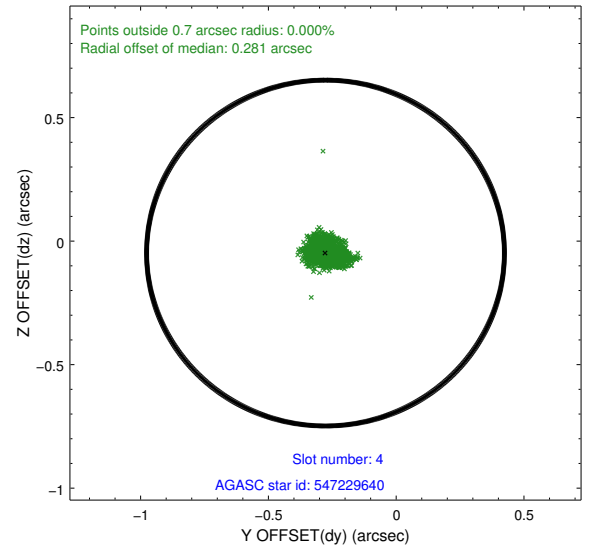
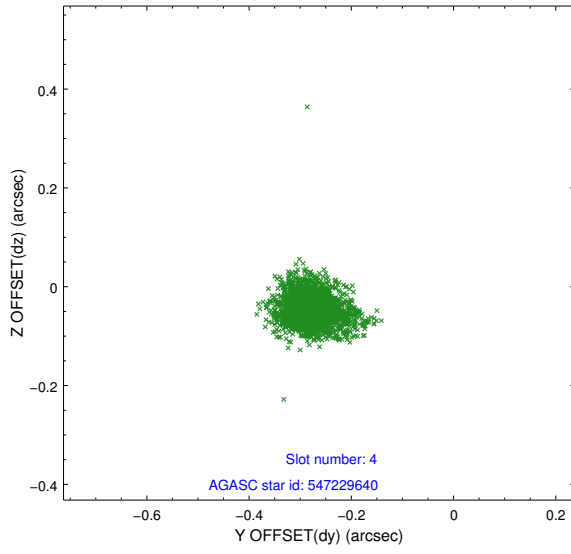
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1023	-0.006	-0.044	0.006	0.010	0.000000	0.000000	-761.80	-1734.11
1	FID	ACIS-S-4	7.20	1023	0.128	0.015	0.005	0.010	0.000000	0.000000	2150.96	172.87
2	FID	ACIS-S-5	7.23	1023	-0.153	0.038	0.006	0.011	0.000000	0.000000	-1812.86	168.28
3	GUIDE	547096712	9.10	2044	0.052	0.126	0.079	0.124	210.688206	64.896621	-1338.17	-1240.72
4	GUIDE	547229640	7.24	2045	-0.277	-0.048	0.048	0.083	213.192152	64.923014	1435.07	1389.83
5	GUIDE	547489920	8.54	2042	0.088	0.063	0.055	0.087	211.027001	65.346431	-2014.53	317.72
6	GUIDE	547619312	8.22	2045	0.030	-0.156	0.066	0.109	212.332934	65.558461	-1070.05	2188.32
7	GUIDE	547625232	8.45	2043	0.103	0.010	0.093	0.148	211.786120	65.422189	-1345.28	1277.54

2.4 Star Slots

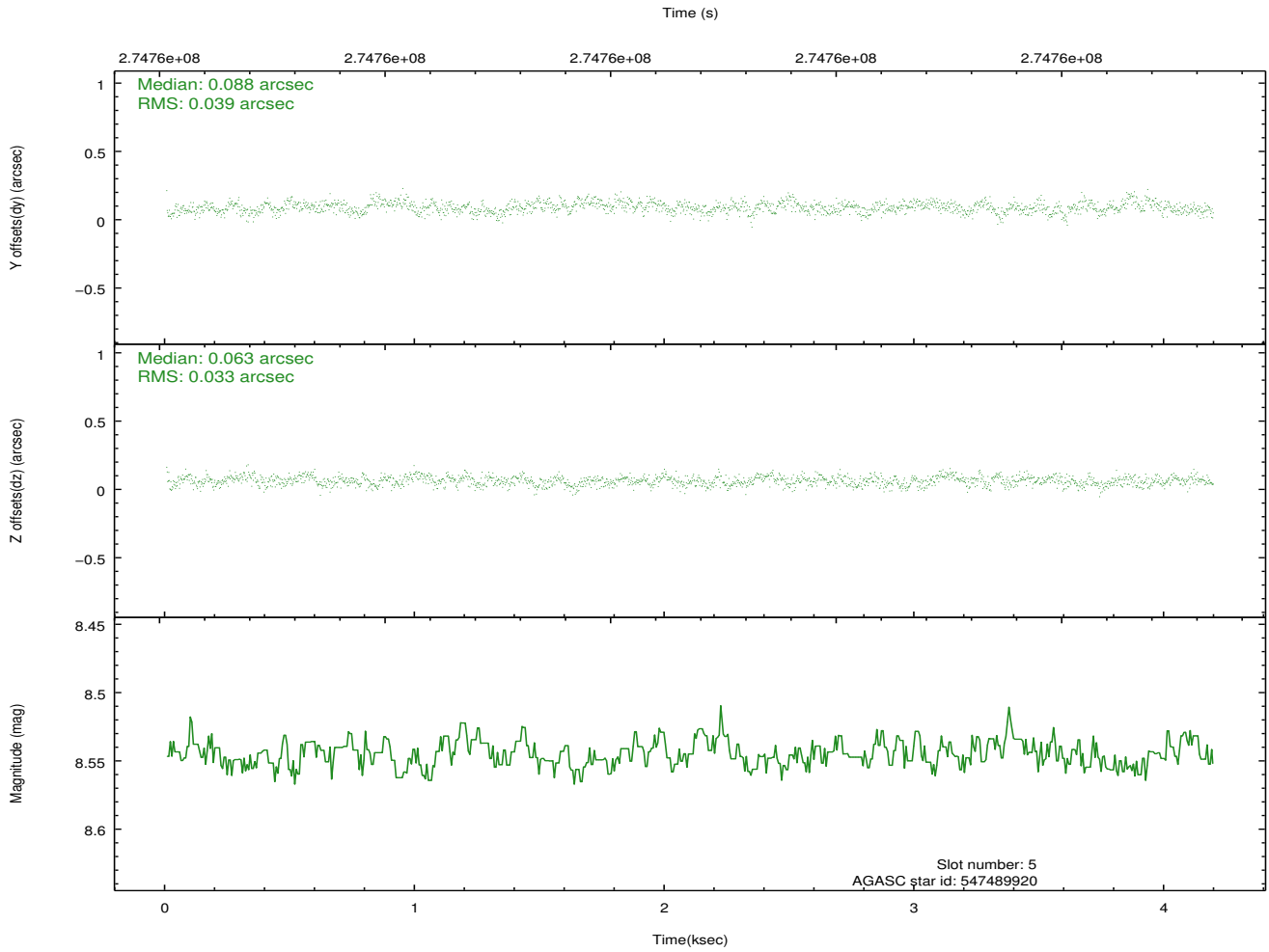
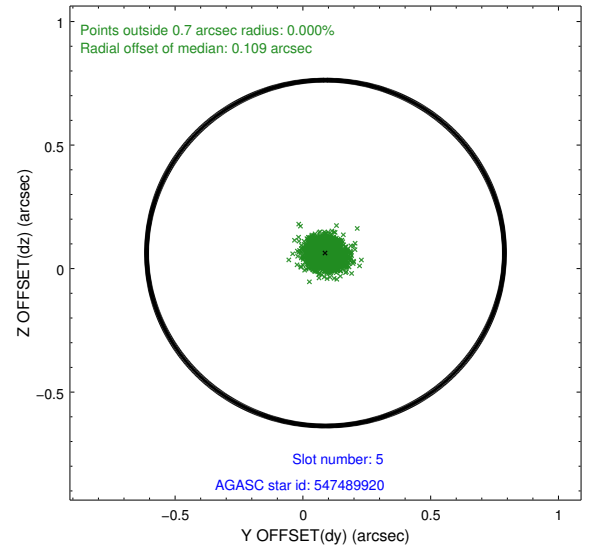
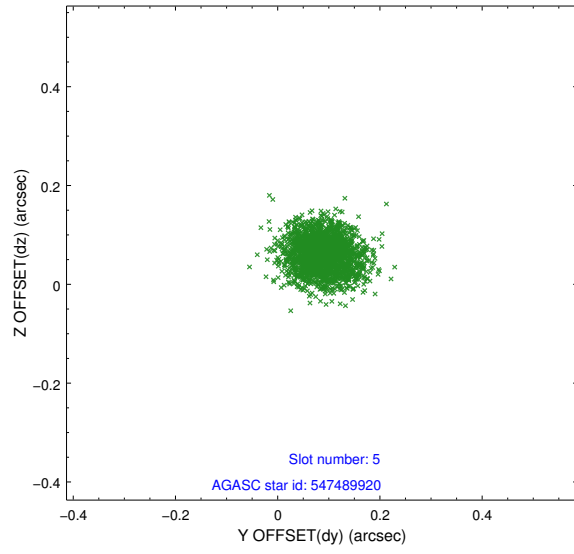
2.4.1 Slot 3



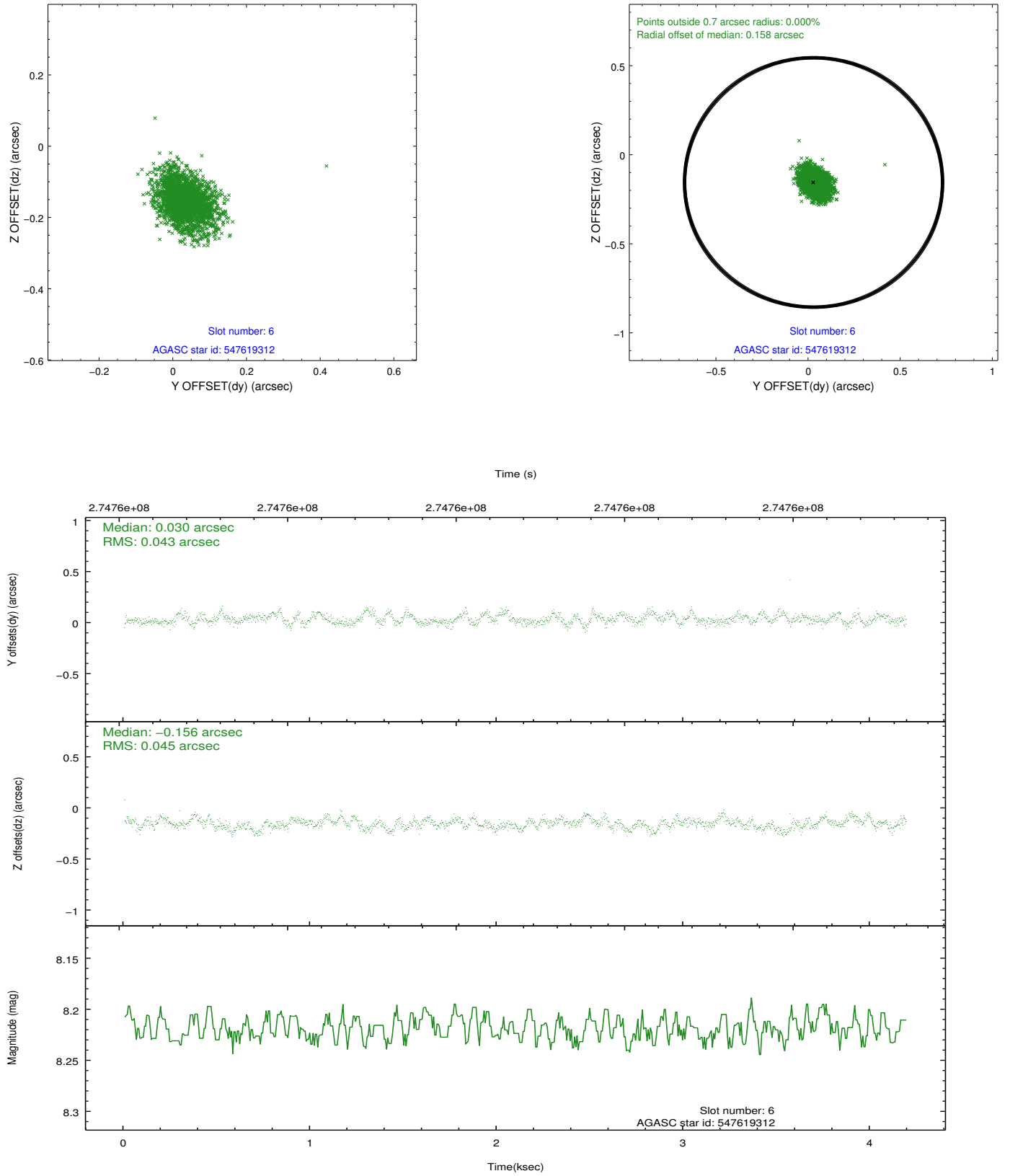
2.4.2 Slot 4



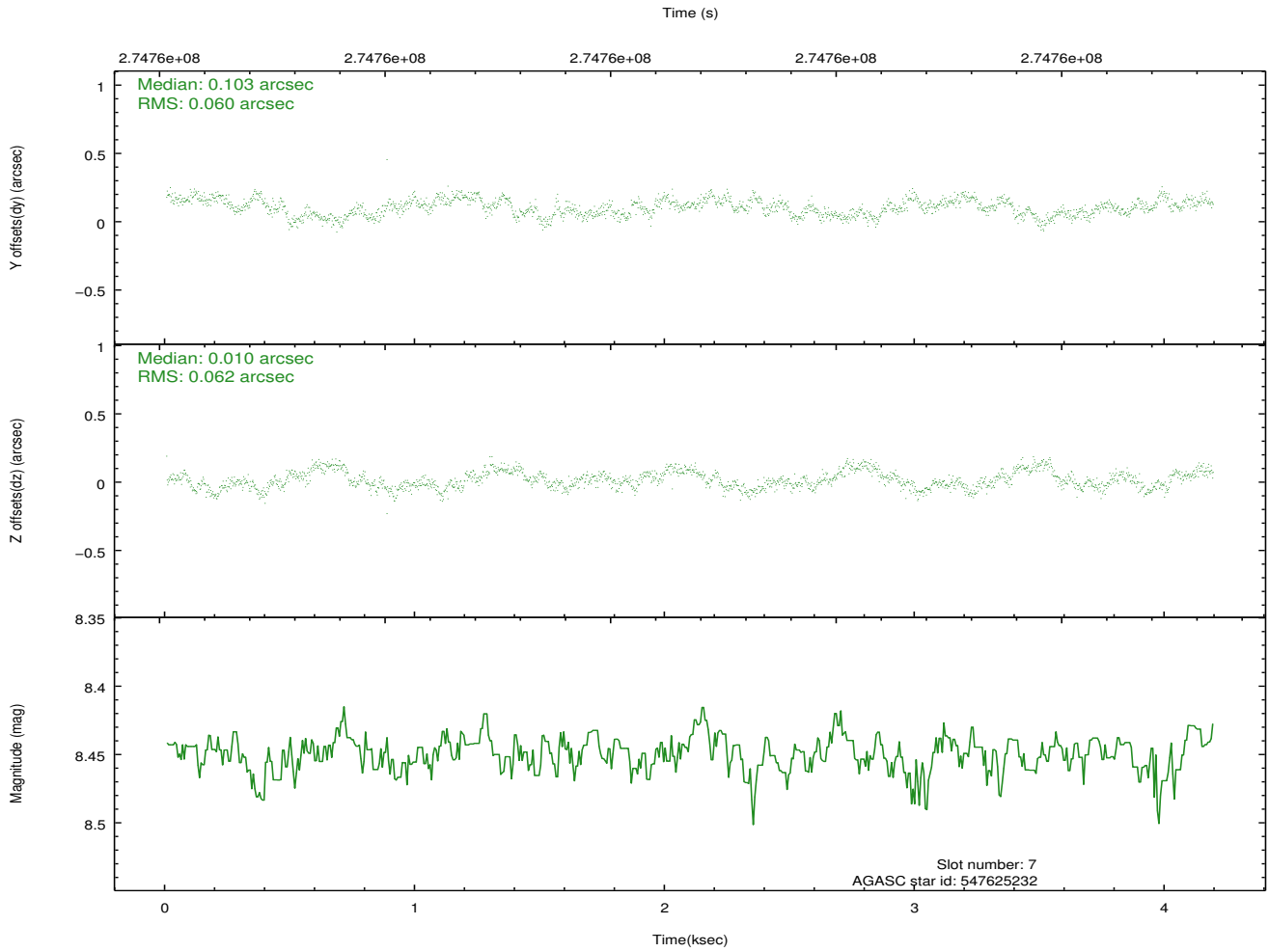
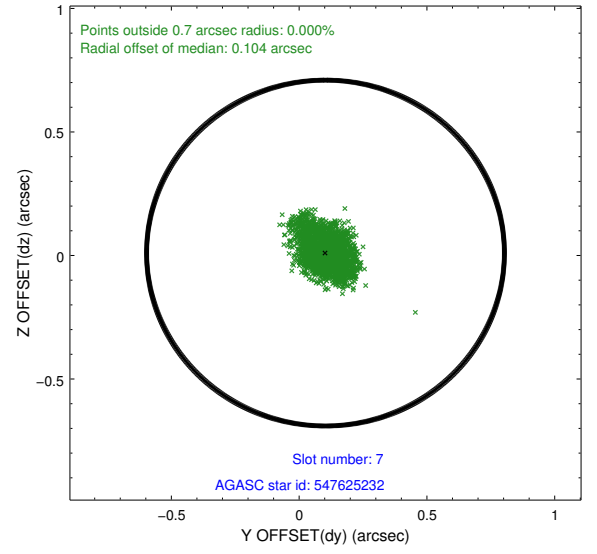
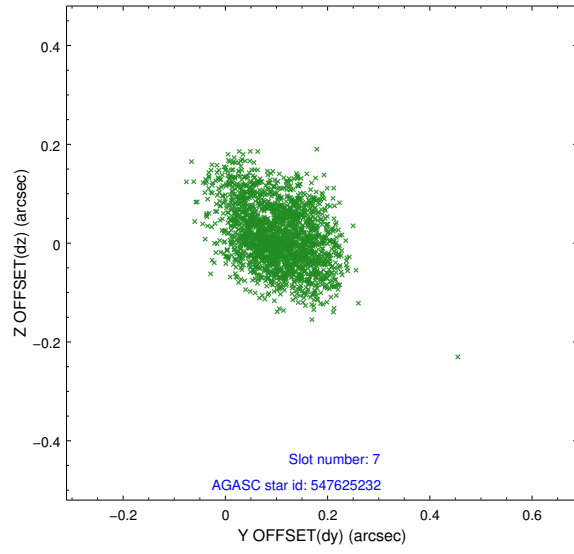
2.4.3 Slot 5



2.4.4 Slot 6

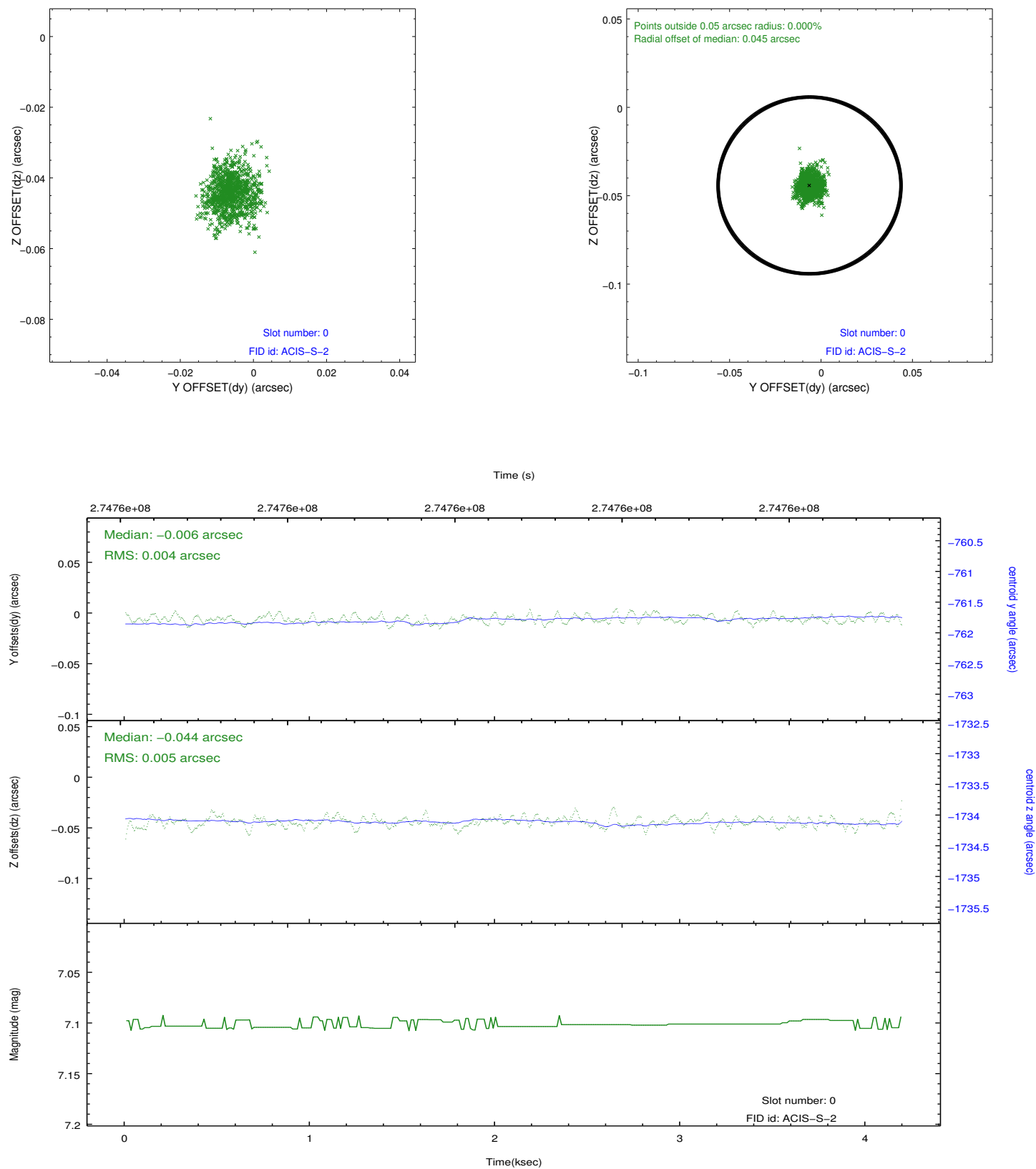


2.4.5 Slot 7

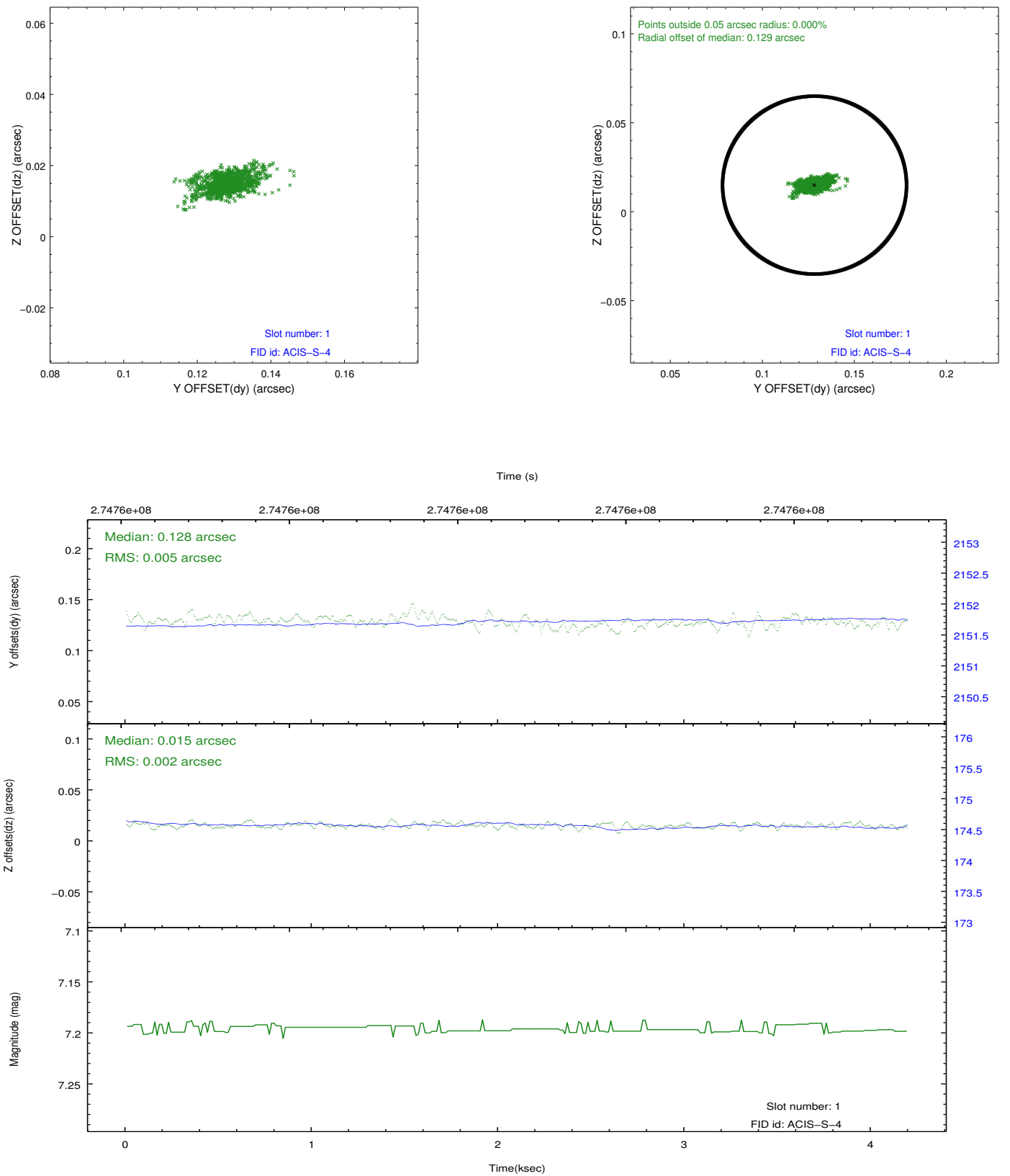


2.5 FID Slots

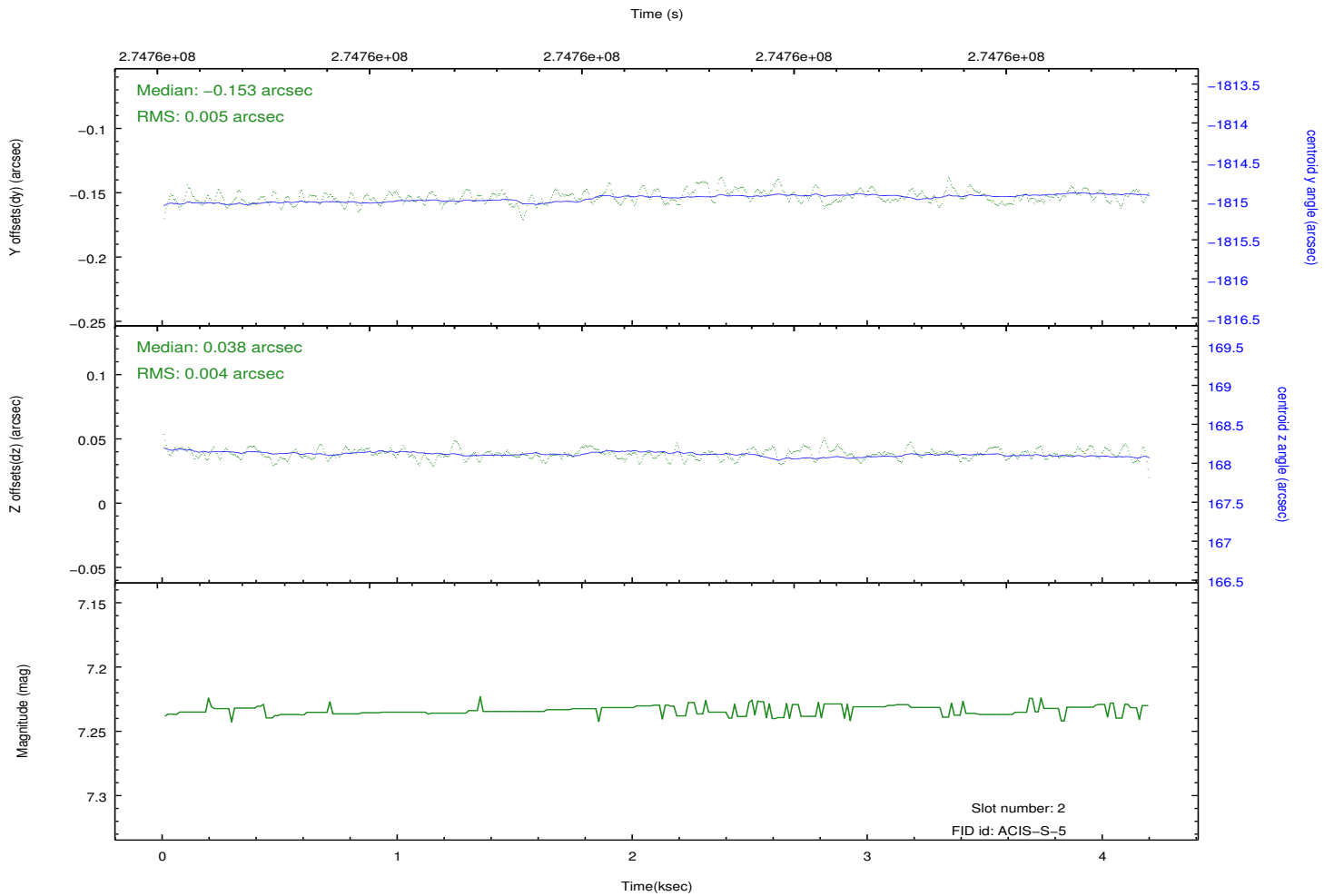
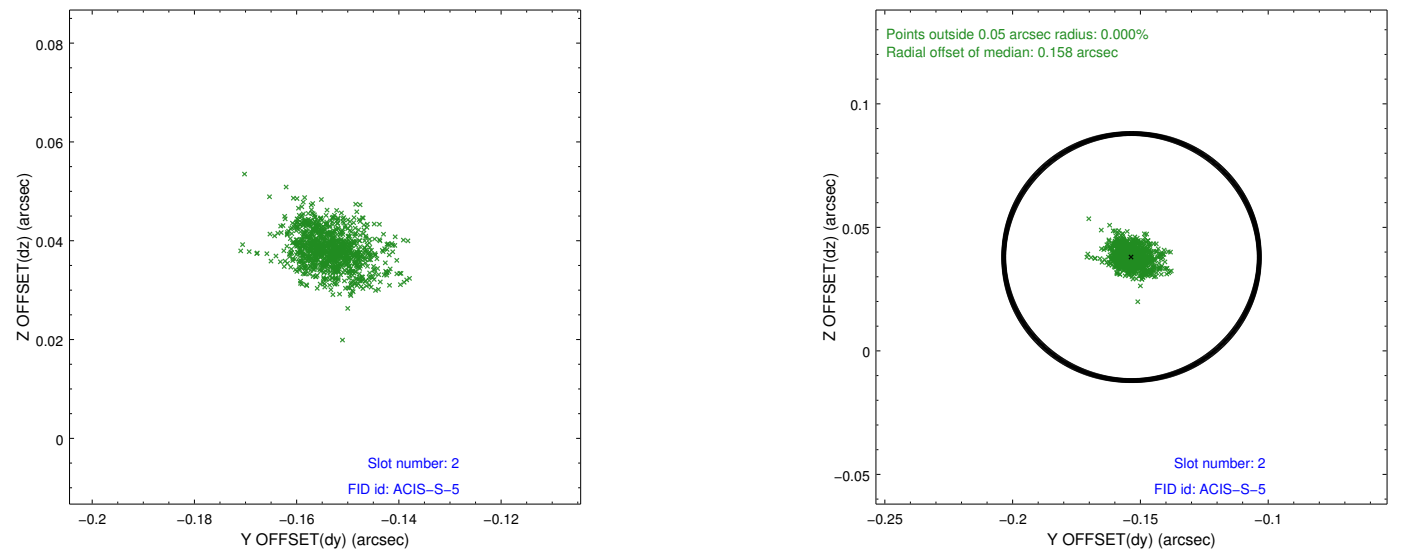
2.5.1 Slot 0



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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.75679998

A.2 Comments