

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6819 - L2 Version 2
Chandra X-Ray Center

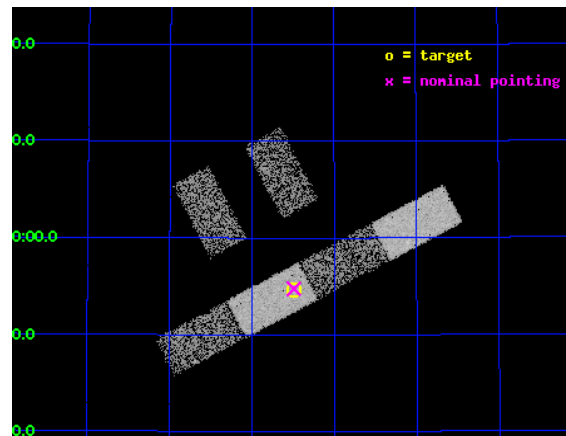
L2 Processing Date : Mar 24 2012

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1 Front

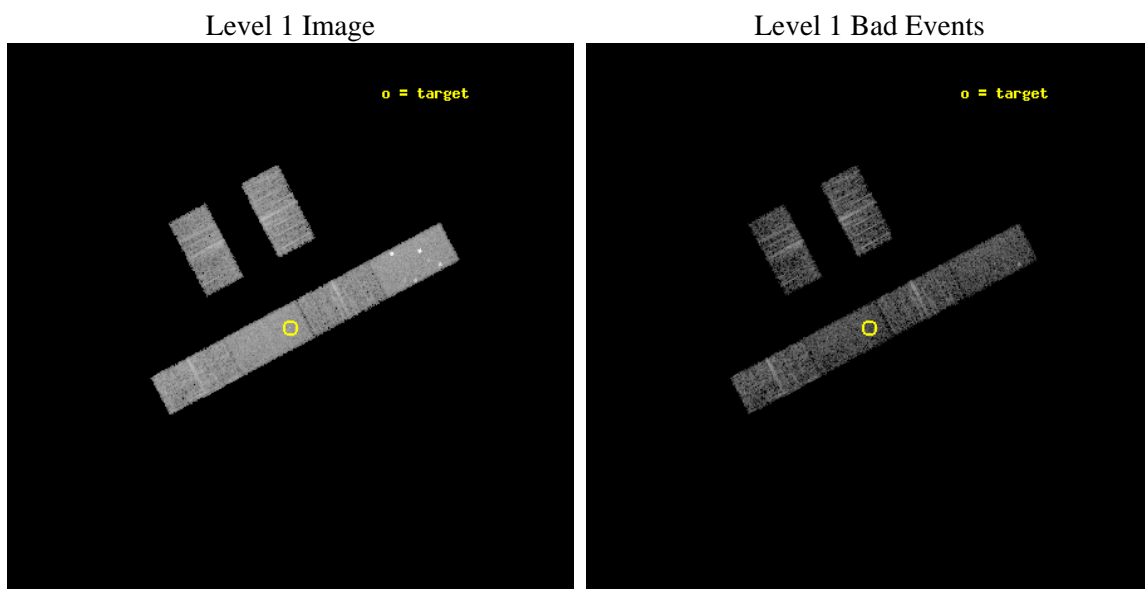
seq_num	701237	Sequence number
obs_id	6819	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1001+5454	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.373333	Observer's specified target RA [deg]
dec_targ	54.910556	Observer's specified target Dec [deg]
ra_nom	150.37265703128	Nominal RA [deg]
dec_nom	54.912613425872	Nominal Dec [deg]
roll_nom	152.07503027491	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4094.7575104237	Sum of GTIs [s]
livetime	4003.4782072973	Livetime [s]
ontime2	4094.798550427	Sum of GTIs [s]
ontime3	4094.6343904138	Sum of GTIs [s]
ontime5	4094.7164704204	Sum of GTIs [s]
ontime6	4094.6754304171	Sum of GTIs [s]
ontime7	4094.7575104237	Sum of GTIs [s]
ontime8	4094.5933504403	Sum of GTIs [s]
l2events	29870	Number of level 2 events



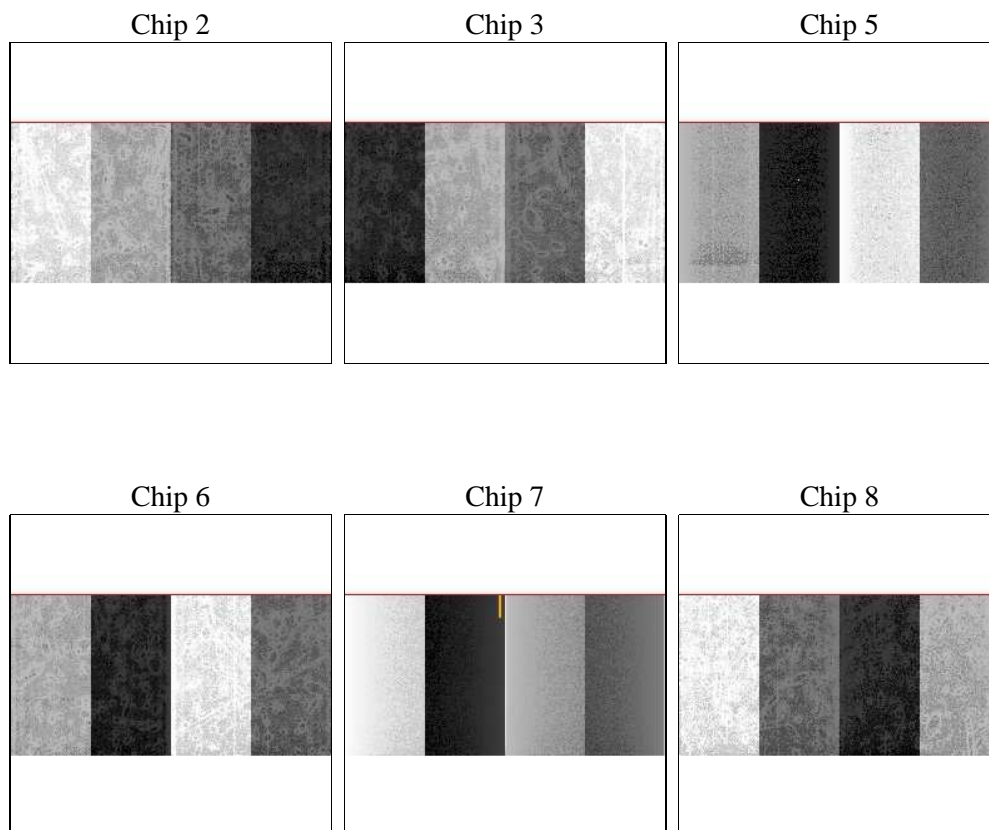
2 OBI

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	Processing system revision	ontime	4094.7575104237	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	4094.798550427	Sum of GTIs [s]
date	2012-03-24T06:06:08	Date and time of file creation	ontime3	4094.6343904138	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4094.7164704204	Sum of GTIs [s]
			ontime6	4094.6754304171	Sum of GTIs [s]
			ontime7	4094.7575104237	Sum of GTIs [s]
			ontime8	4094.5933504403	Sum of GTIs [s]
			l1events	136327	Number of level 1 events

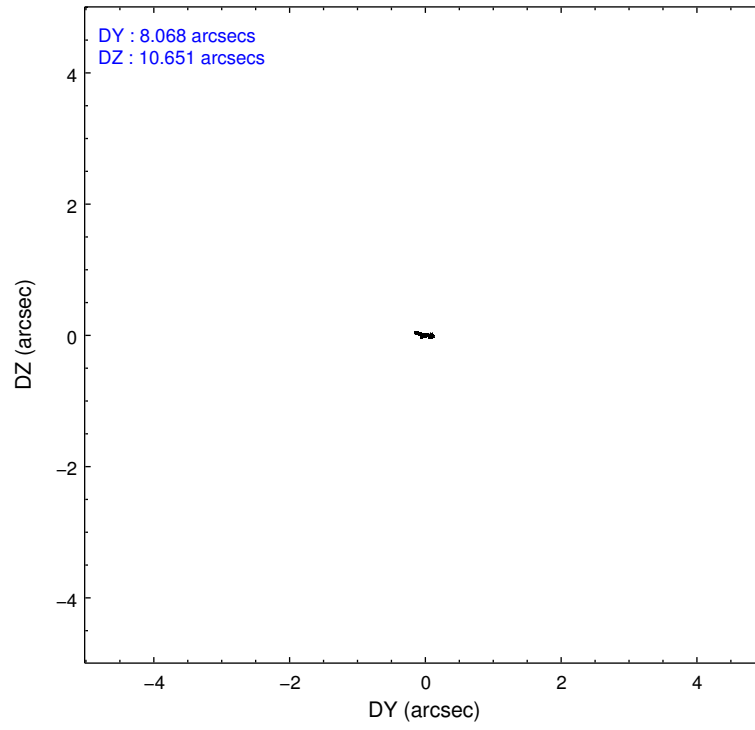
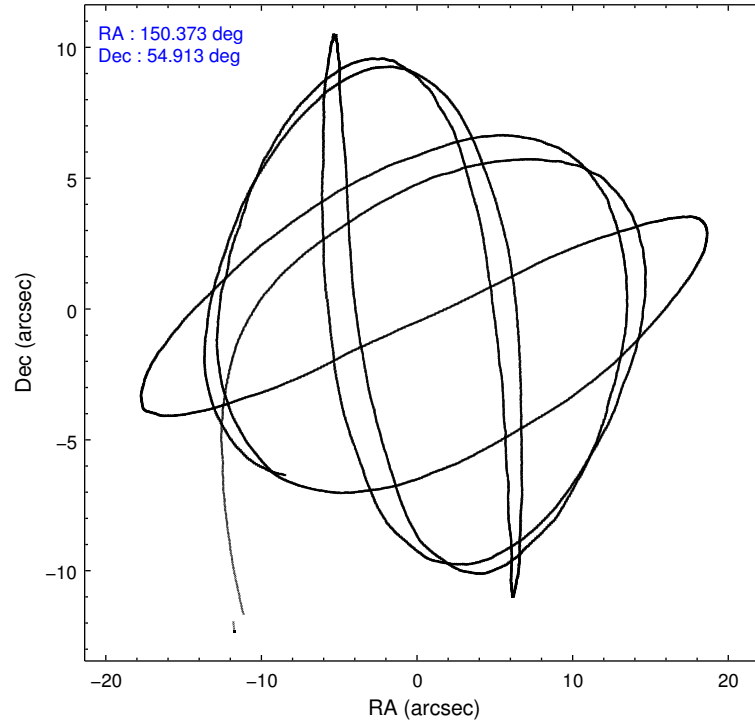
2.1.4 Events

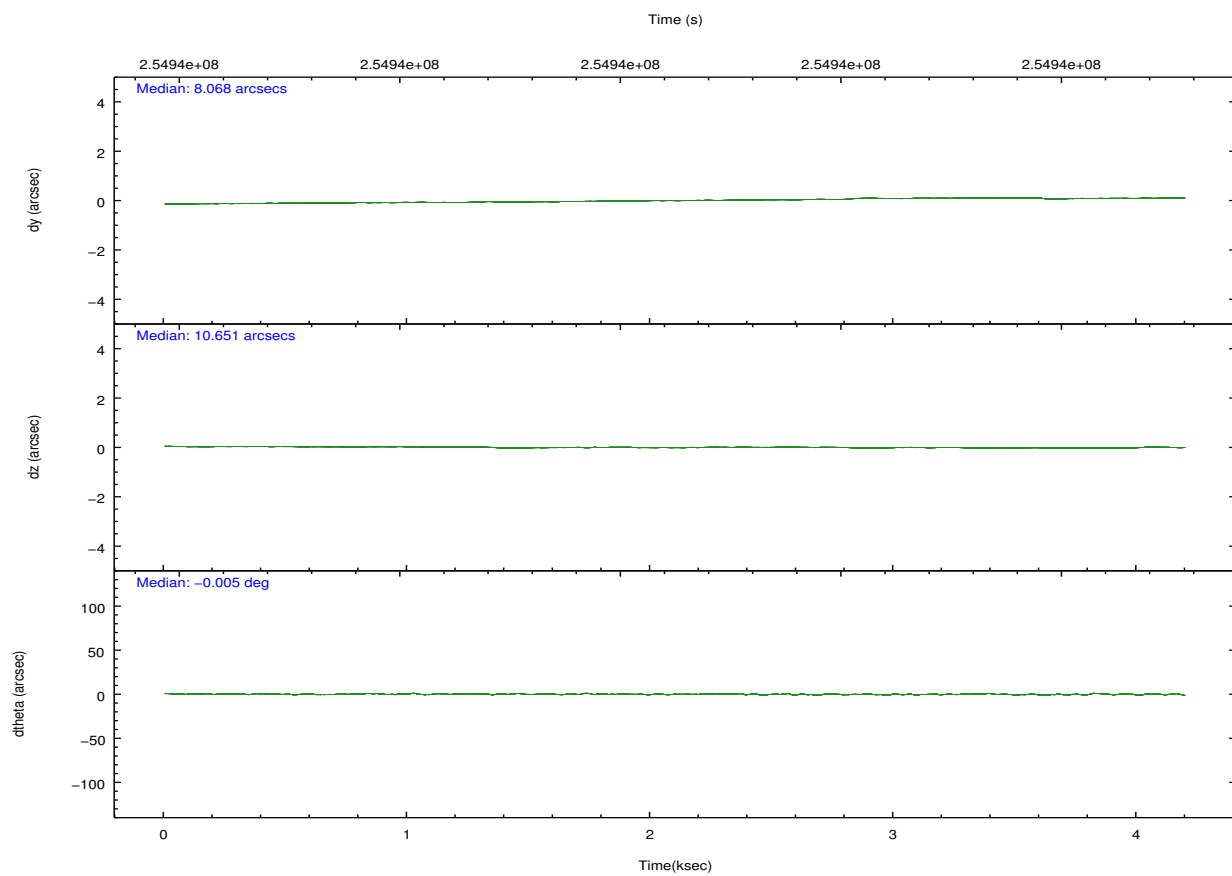
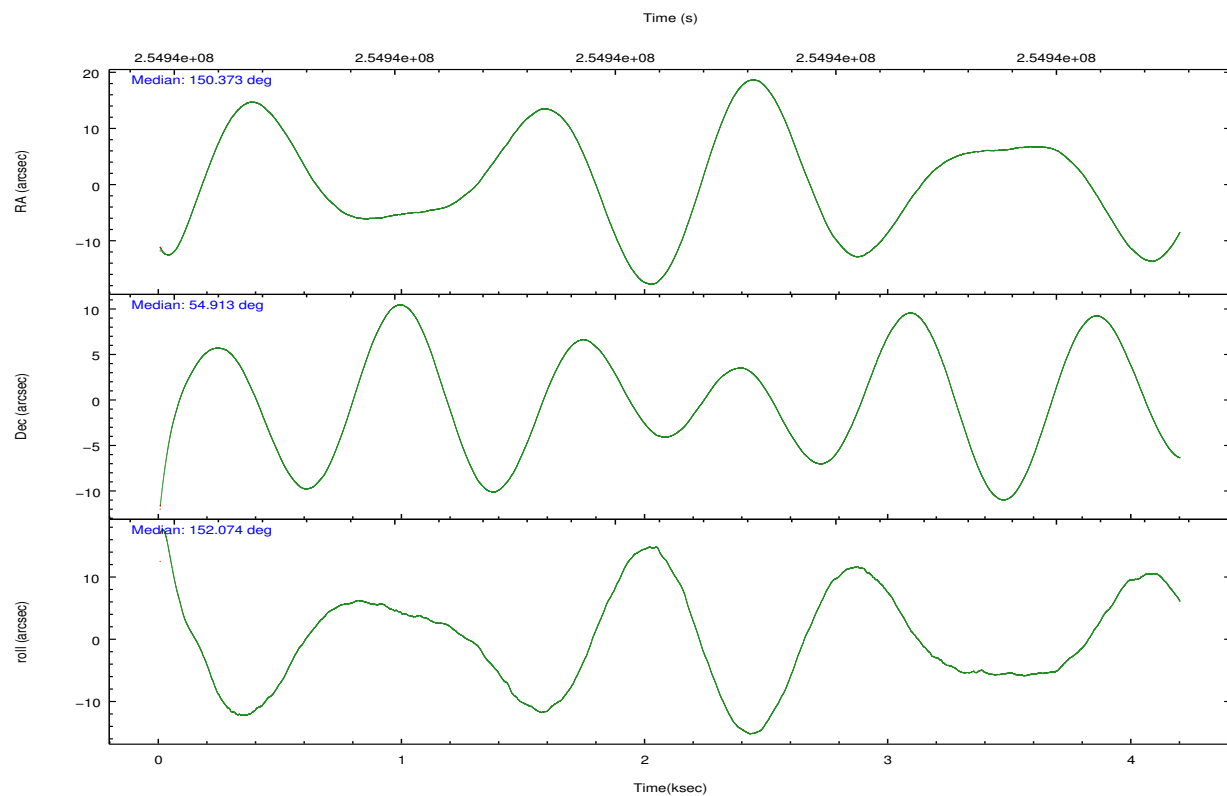
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20617	17490	31748	18707	24363	23402	grade 0 events	975	993	5515	936	970	1644
rejected events	18367	15178	14682	16403	13884	18380		4%	5%	17%	5%	3%	7%
rejected %	89%	86%	46%	87%	56%	78%	grade 1 events	10	7	60	7	20	15
								0%	0%	0%	0%	0%	0%
							grade 2 events	445	405	4145	432	2128	1019
								2%	2%	13%	2%	8%	4%
							grade 3 events	246	271	593	253	1019	513
								1%	1%	1%	1%	4%	2%
							grade 4 events	226	270	510	263	962	540
								1%	1%	1%	1%	3%	2%
							grade 5 events	690	784	2089	823	2287	1000
								3%	4%	6%	4%	9%	4%
							grade 6 events	358	376	6319	423	5407	1307
								1%	2%	19%	2%	22%	5%
							grade 7 events	17667	14384	12517	15570	11570	17364
								85%	82%	39%	83%	47%	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	150.420098	150.3726570312843	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	54.913967	54.9126134258724	Subarray start row	257	257
[deg] Pointing Roll	151.879539	152.0750302749122	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	254940348.184000	254939525.05584			
Observation start date	2006-01-29T16:44:43	2006-01-29T16:32:05			
[s] Observation end time (MET)	254944348.184000	254944589.06857			
Observation end date	2006-01-29T17:51:23	2006-01-29T17:56:29			
Read mode	TIMED	TIMED			

2.3 Aspect



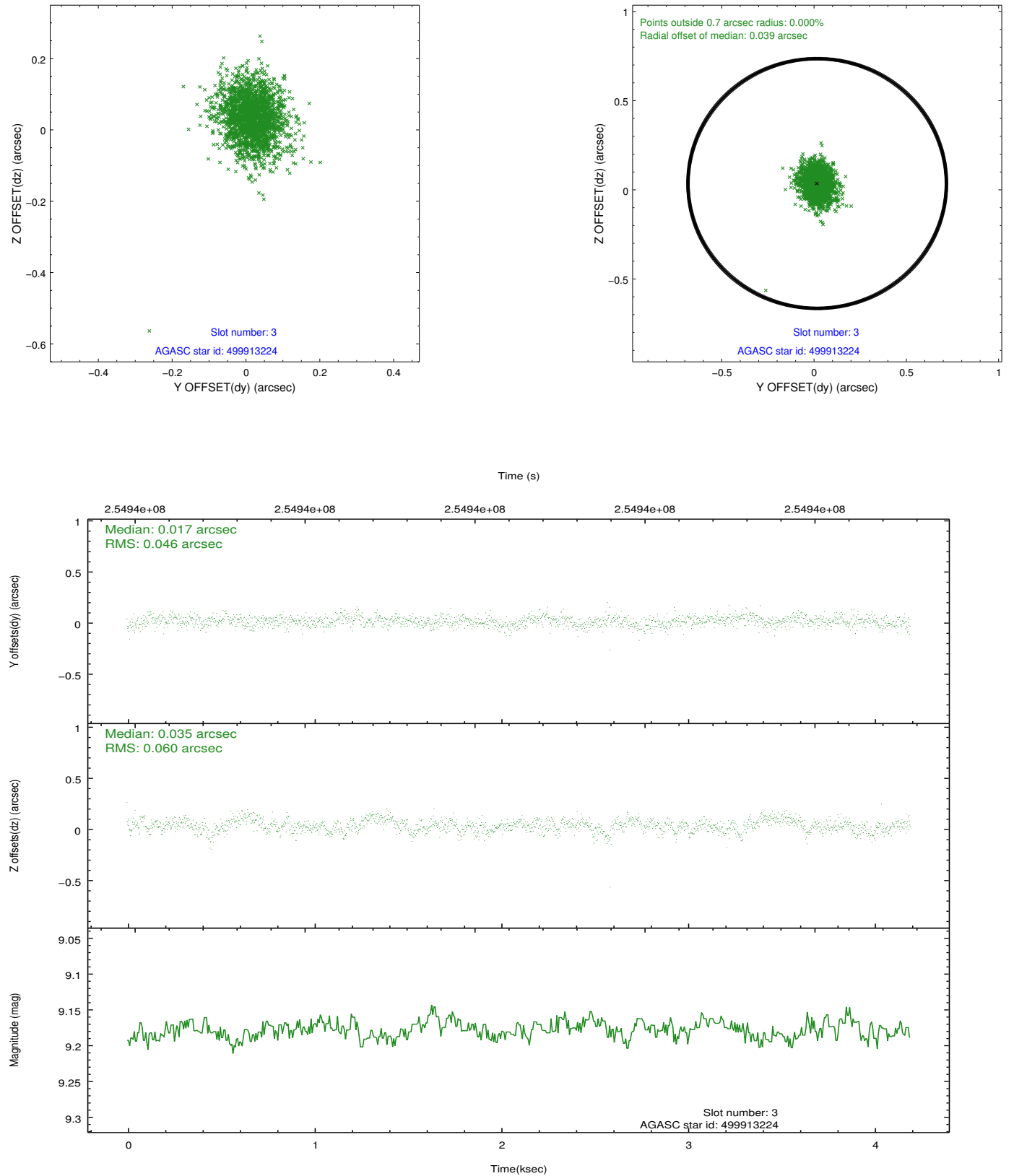


Slot Statistics

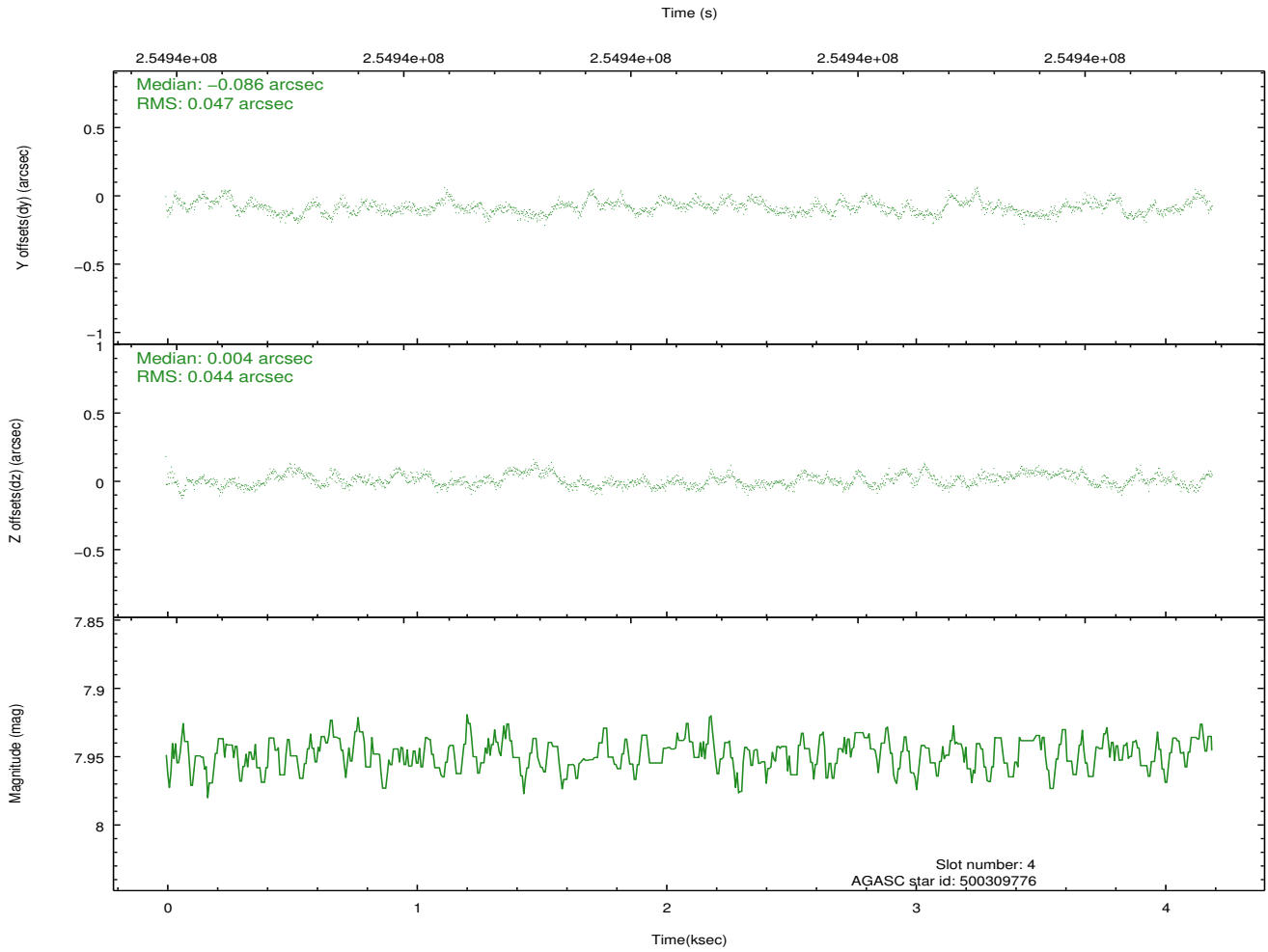
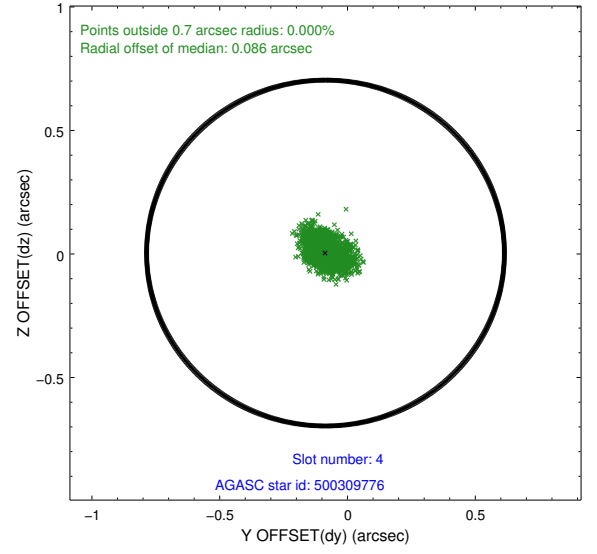
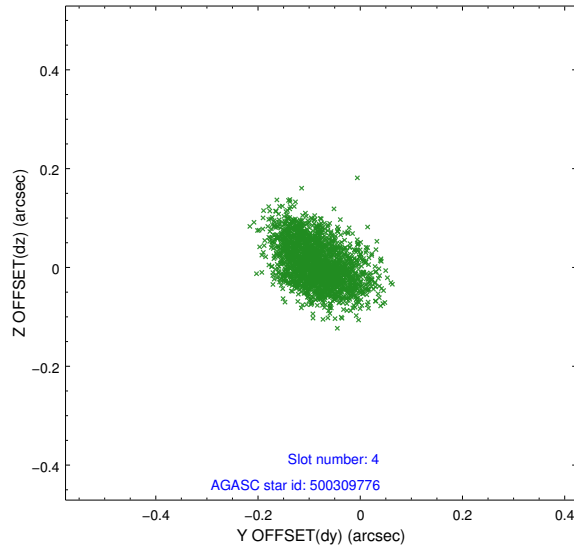
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1024	-0.048	-0.028	0.007	0.011	0.000000	0.000000	-760.85	-1731.91
1	FID	ACIS-S-4	7.21	1024	0.136	0.031	0.006	0.011	0.000000	0.000000	2151.89	175.17
2	FID	ACIS-S-5	7.23	1024	-0.120	0.006	0.008	0.014	0.000000	0.000000	-1811.91	170.40
3	GUIDE	499913224	9.18	2044	0.017	0.035	0.078	0.131	149.857129	54.798072	836.11	914.90
4	GUIDE	500309776	7.95	2047	-0.086	0.004	0.069	0.111	150.409238	55.585087	1158.26	-2116.89
5	GUIDE	500310136	8.68	2047	0.006	-0.027	0.060	0.098	149.694298	55.069248	1587.17	204.43
6	GUIDE	500445048	9.21	2047	0.048	0.099	0.082	0.133	151.256801	55.105123	-1189.70	-1427.81
7	GUIDE	500042744	8.93	2046	0.013	-0.116	0.075	0.124	151.179914	54.345394	-2368.20	1045.35

2.4 Star Slots

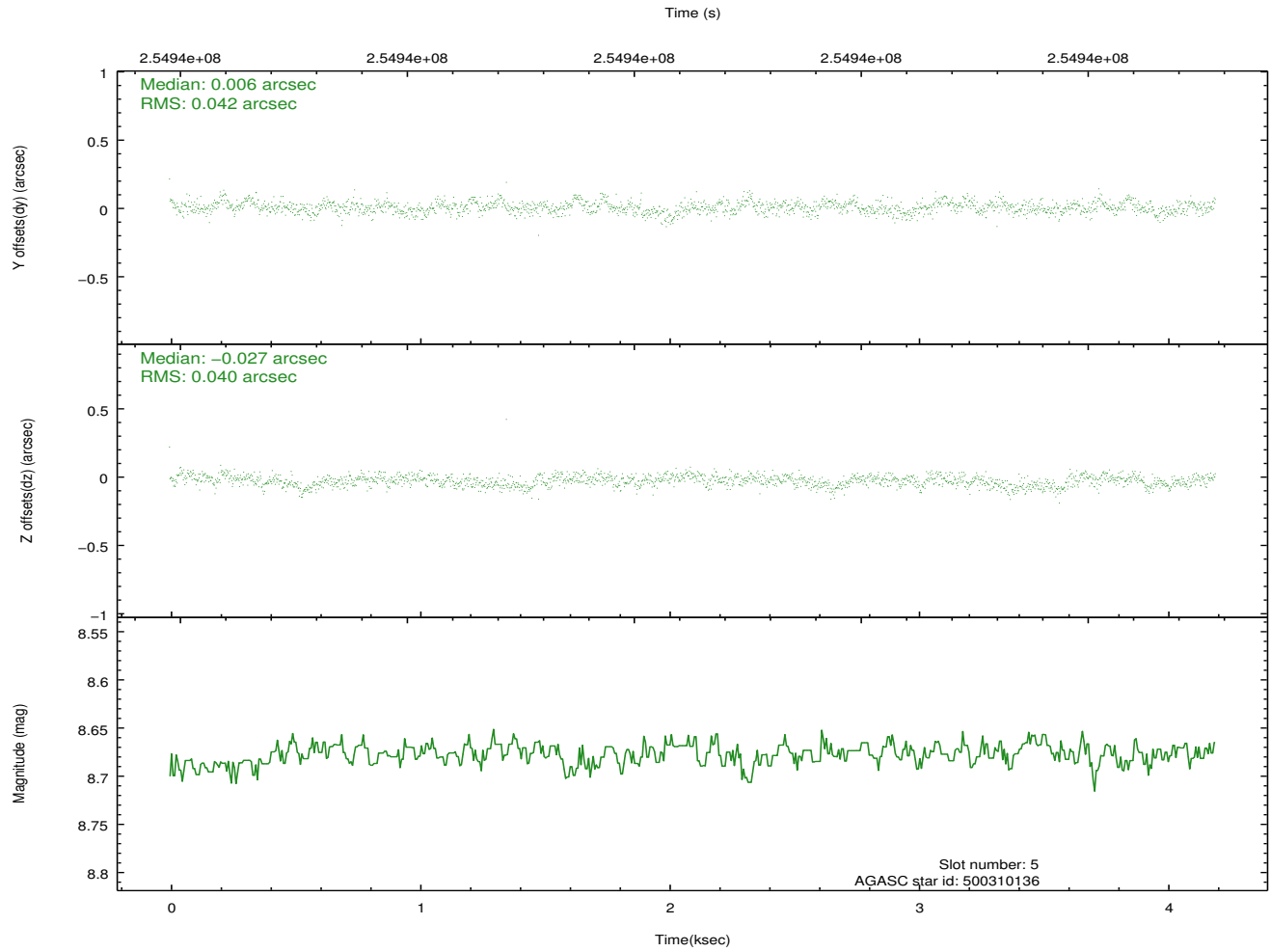
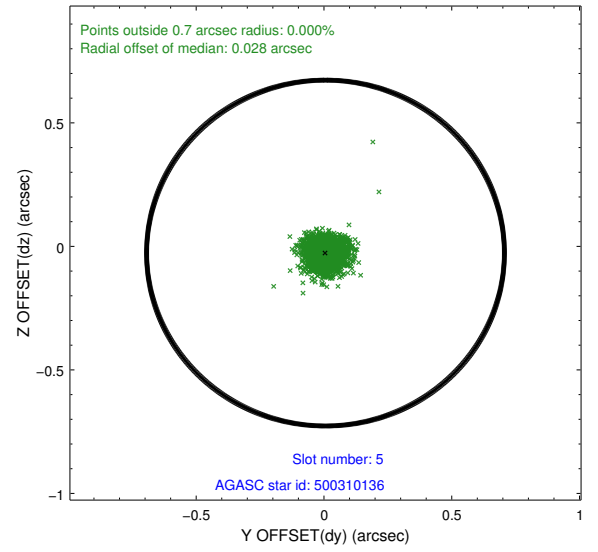
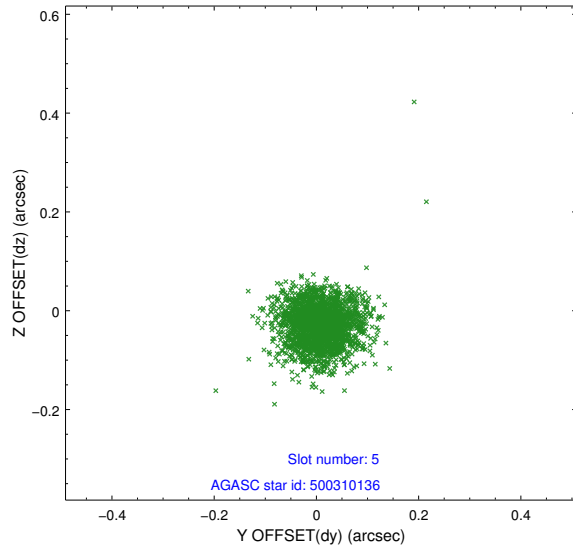
2.4.1 Slot 3



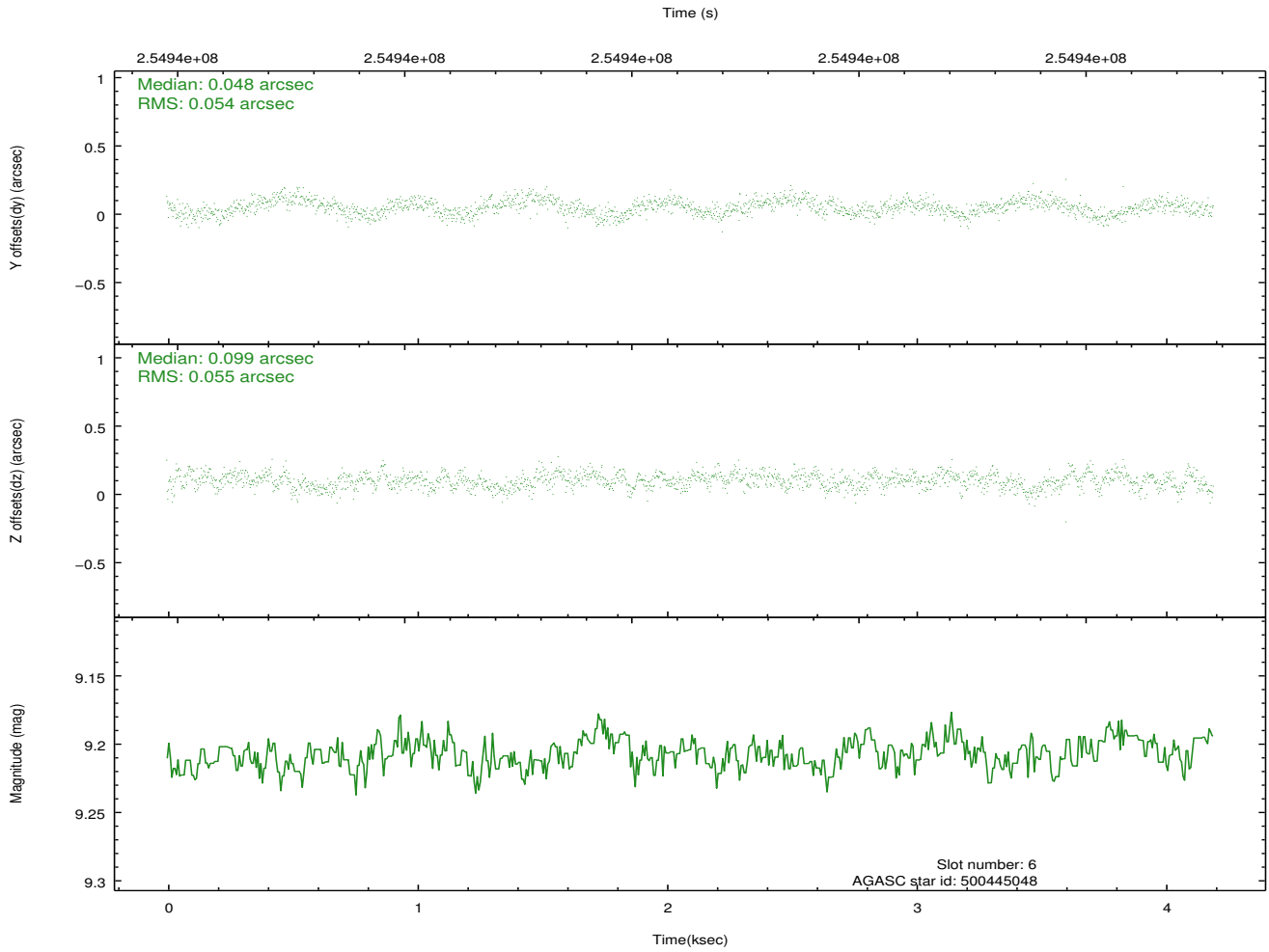
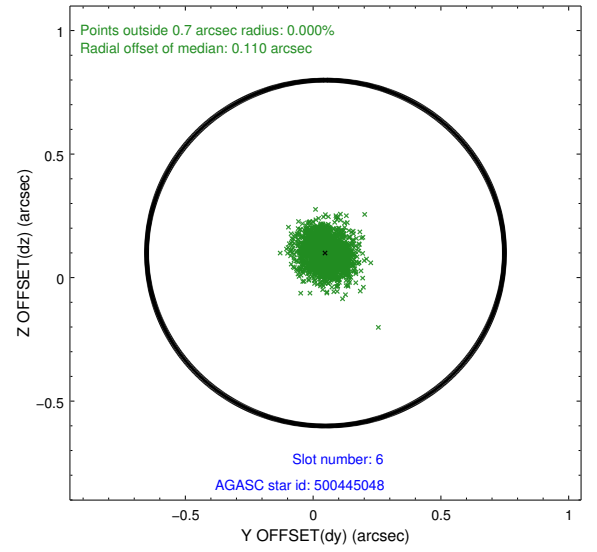
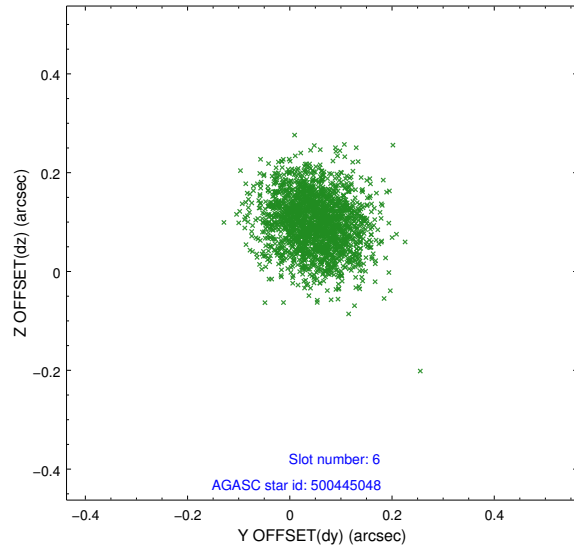
2.4.2 Slot 4



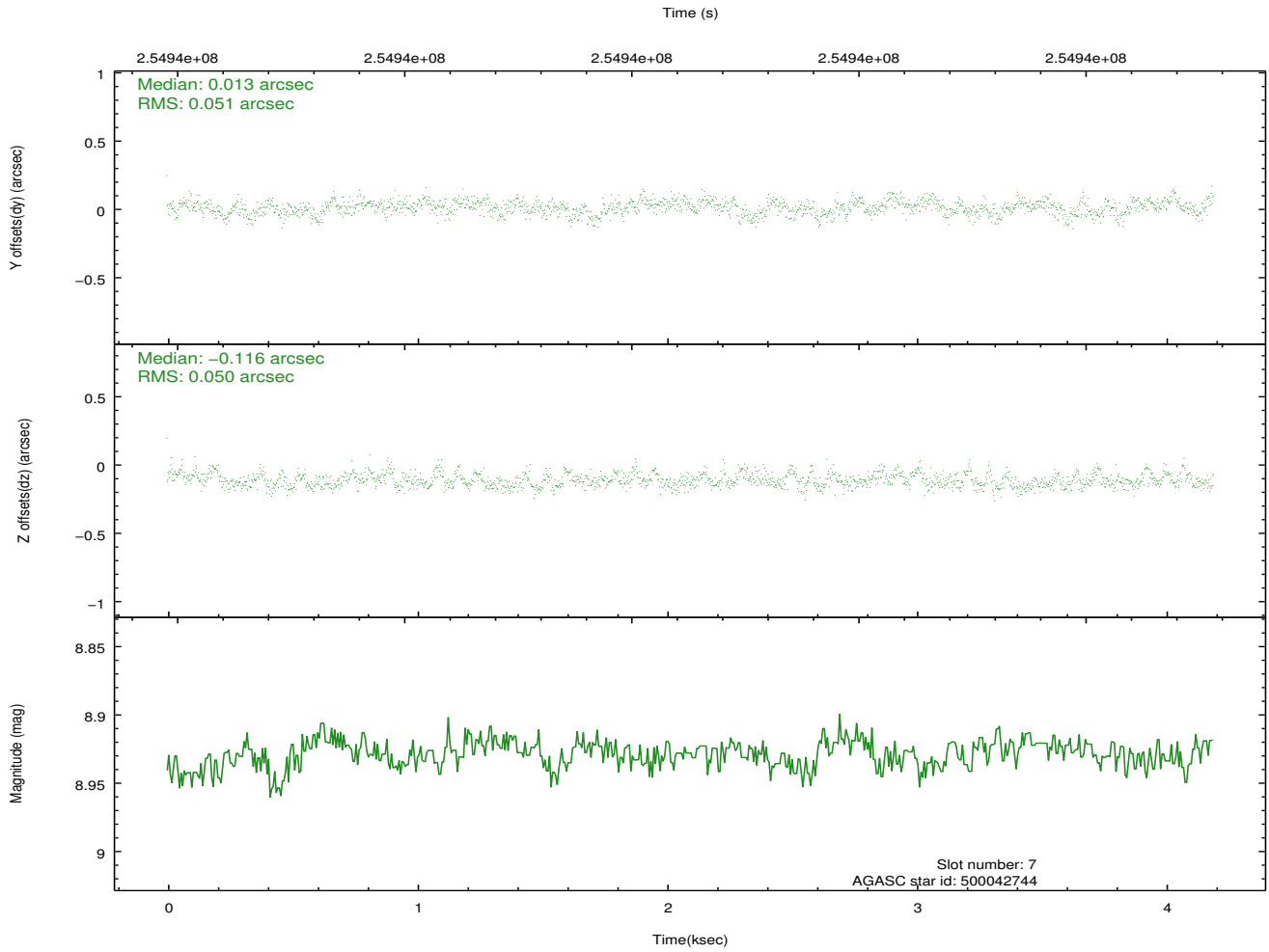
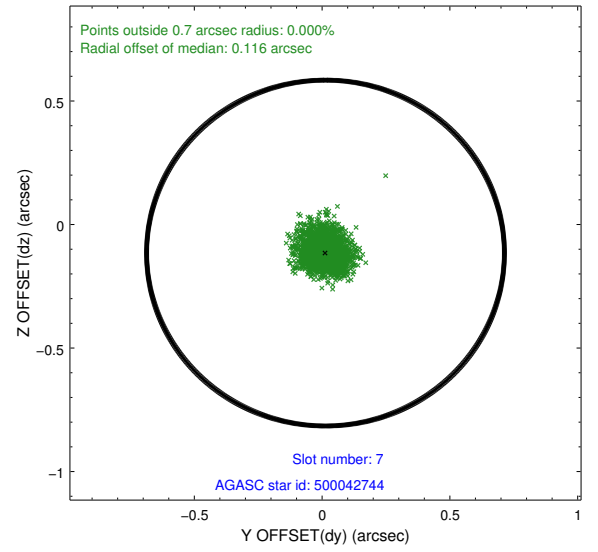
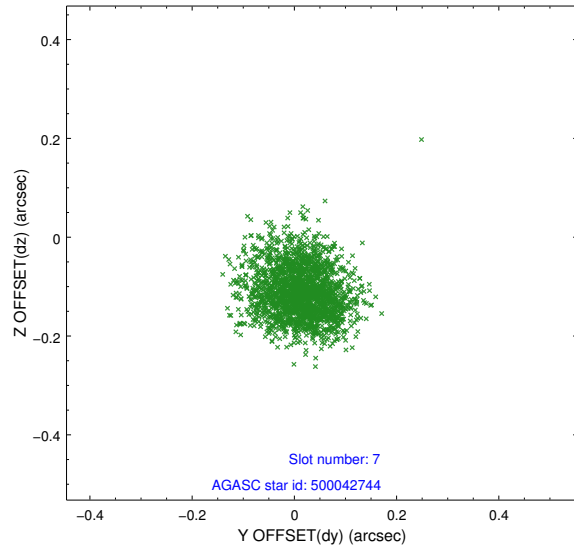
2.4.3 Slot 5



2.4.4 Slot 6

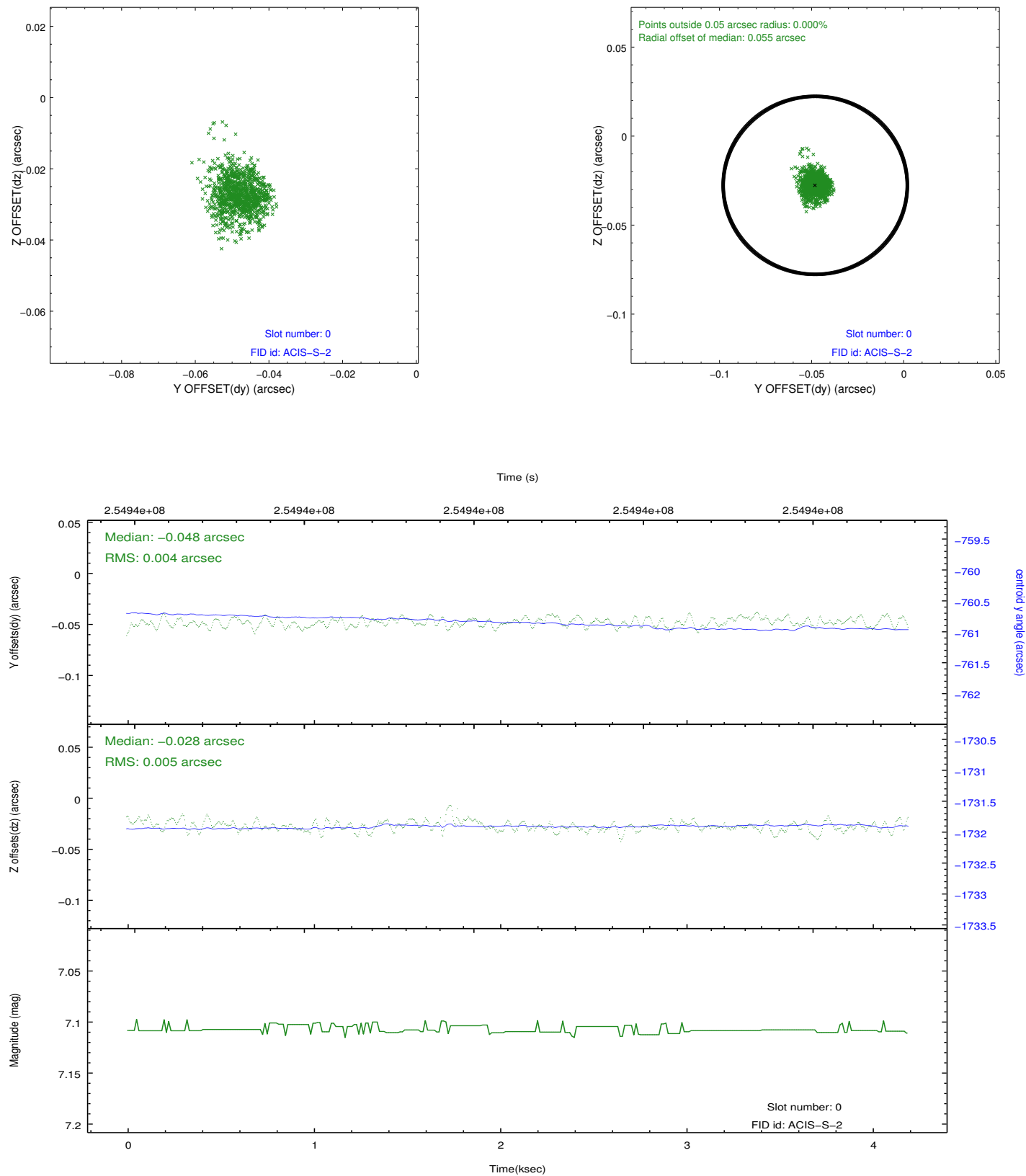


2.4.5 Slot 7

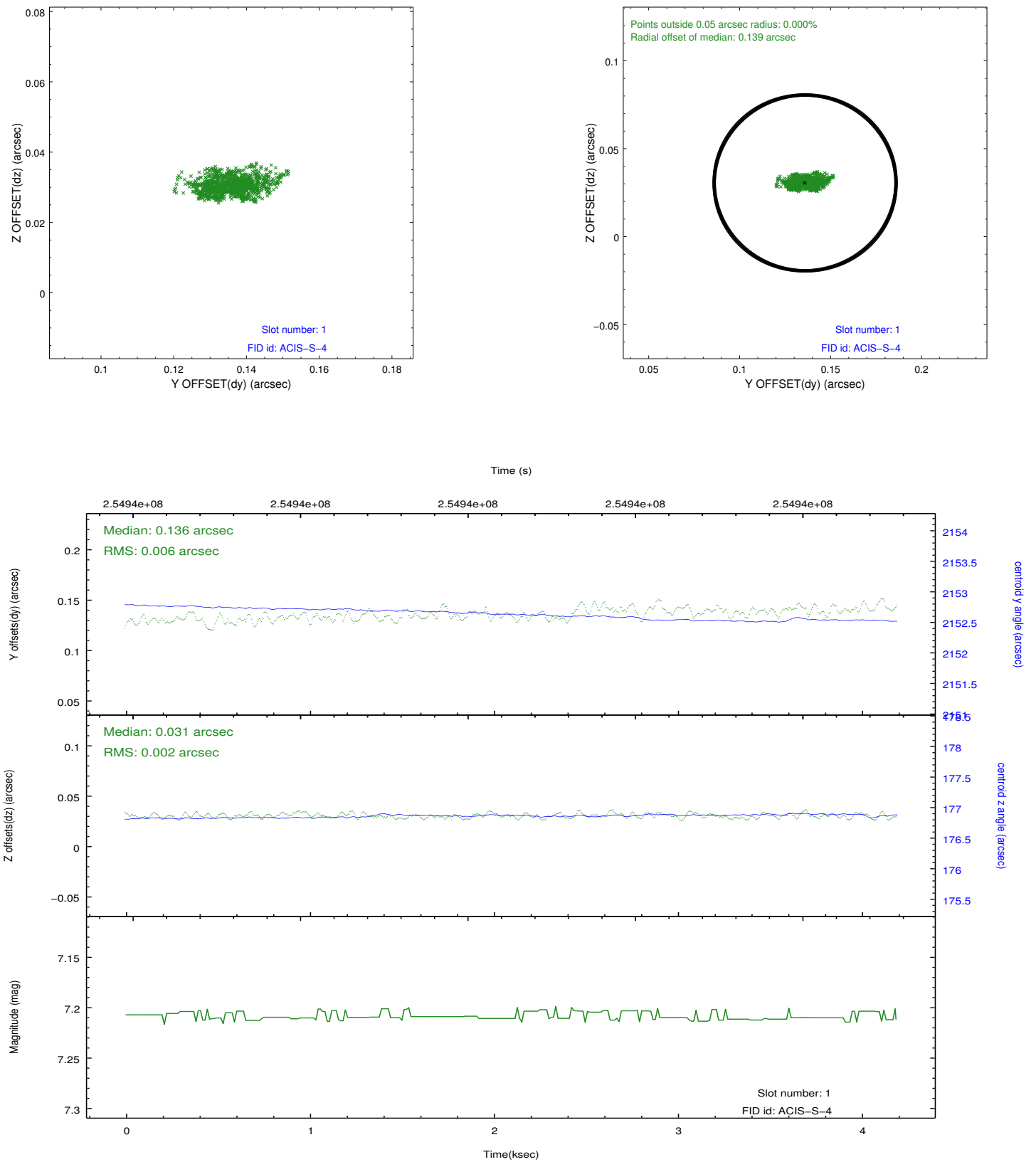


2.5 FID Slots

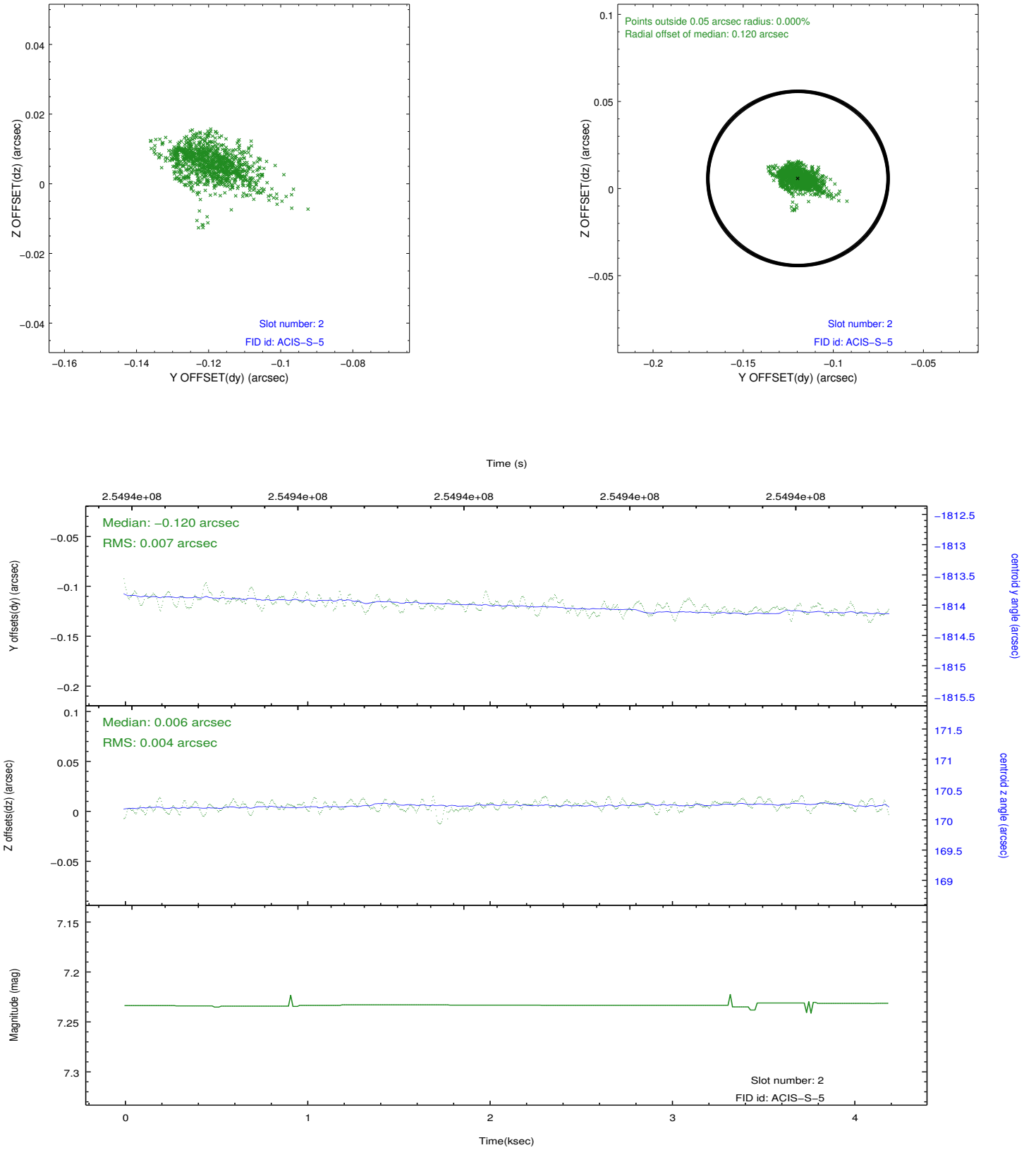
2.5.1 Slot 0



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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.09500002

A.2 Comments