

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6824 - L2 Version 2
Chandra X-Ray Center

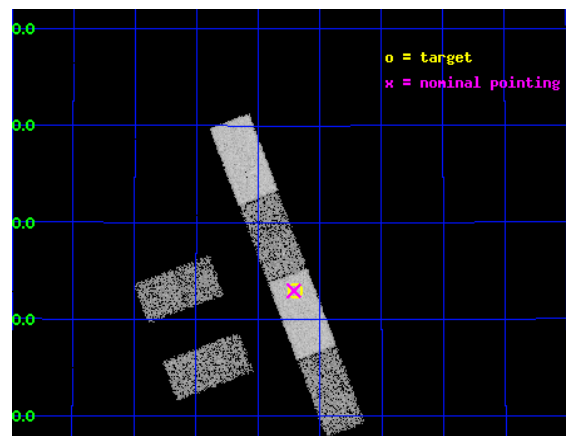
L2 Processing Date : Apr 8 2012

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1 Front

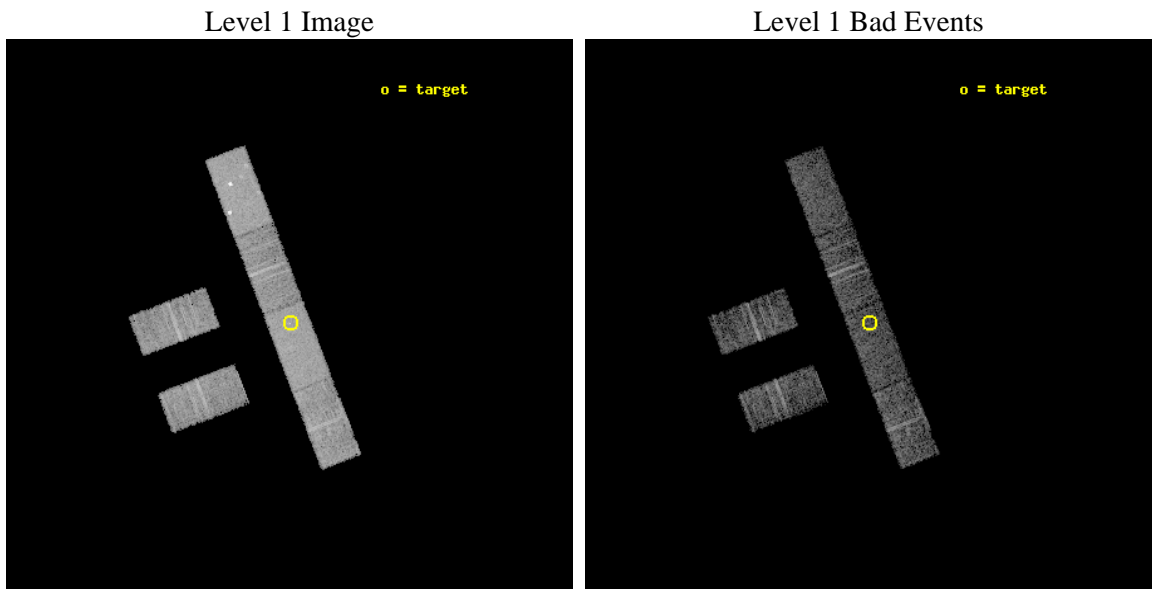
seq_num	701242	Sequence number
obs_id	6824	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J0803+3022	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.925	Observer's specified target RA [deg]
dec_targ	30.381833	Observer's specified target Dec [deg]
ra_nom	120.92736415154	Nominal RA [deg]
dec_nom	30.382440242294	Nominal Dec [deg]
roll_nom	69.082846422049	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4104.0000271201	Sum of GTIs [s]
livetime	4012.5146921394	Livetime [s]
ontime2	4104.0000271201	Sum of GTIs [s]
ontime3	4104.0000271201	Sum of GTIs [s]
ontime5	4104.0000271201	Sum of GTIs [s]
ontime6	4104.0000271201	Sum of GTIs [s]
ontime7	4104.0000271201	Sum of GTIs [s]
ontime8	4104.0000271201	Sum of GTIs [s]
l2events	45076	Number of level 2 events



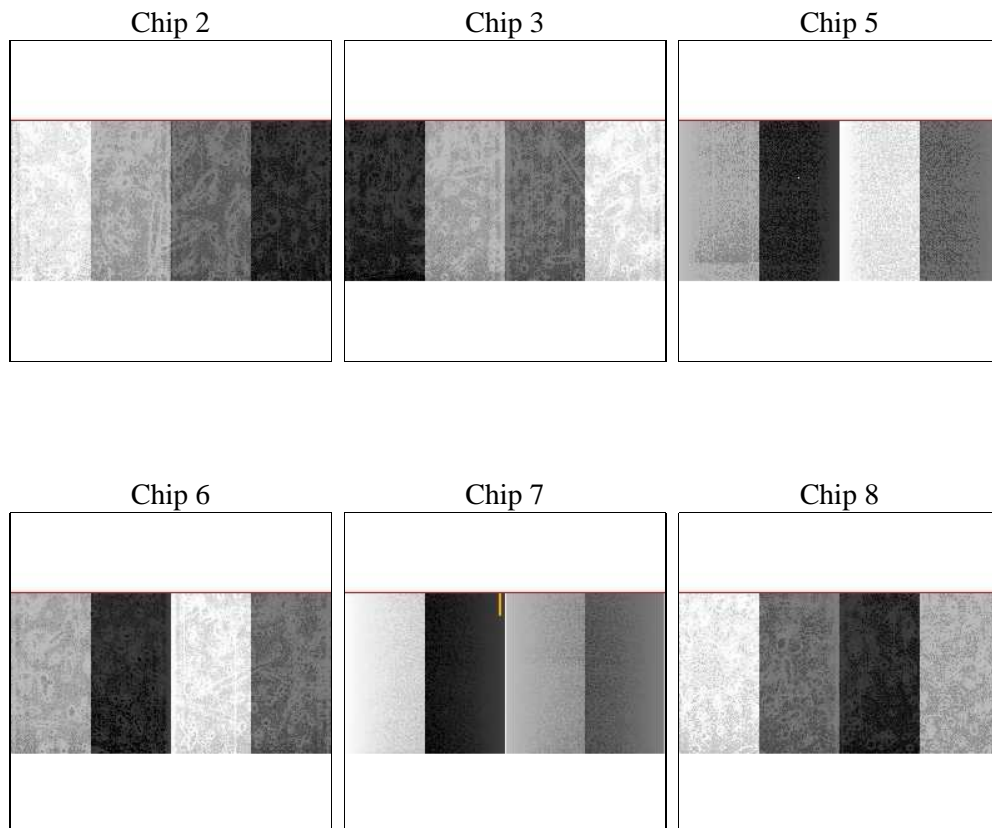
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3966.460000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4104.0000271201	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4104.0000271201	Sum of GTIs [s]
date	2012-04-08T18:33:54	Date and time of file creation	ontime3	4104.0000271201	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4104.0000271201	Sum of GTIs [s]
			ontime6	4104.0000271201	Sum of GTIs [s]
			ontime7	4104.0000271201	Sum of GTIs [s]
			ontime8	4104.0000271201	Sum of GTIs [s]
			l1events	197647	Number of level 1 events

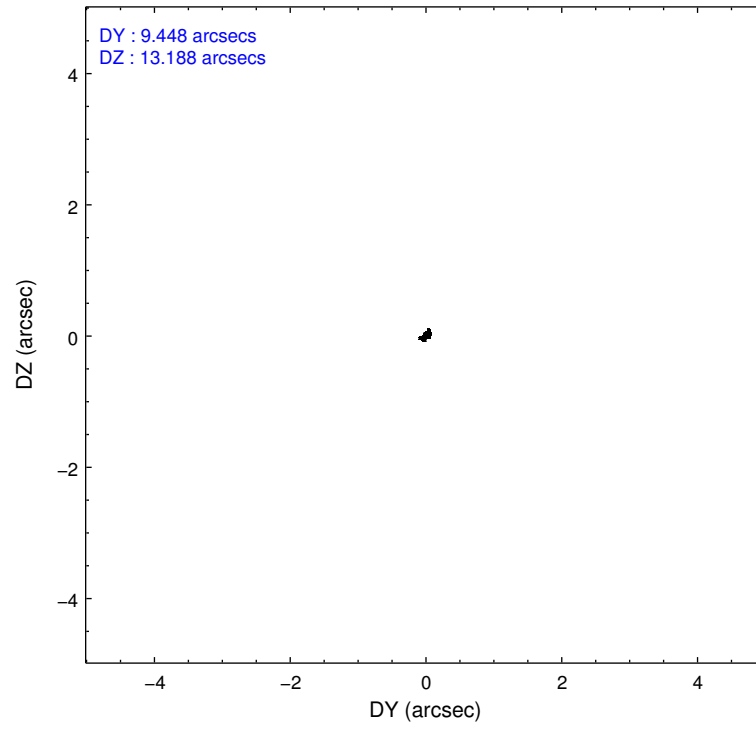
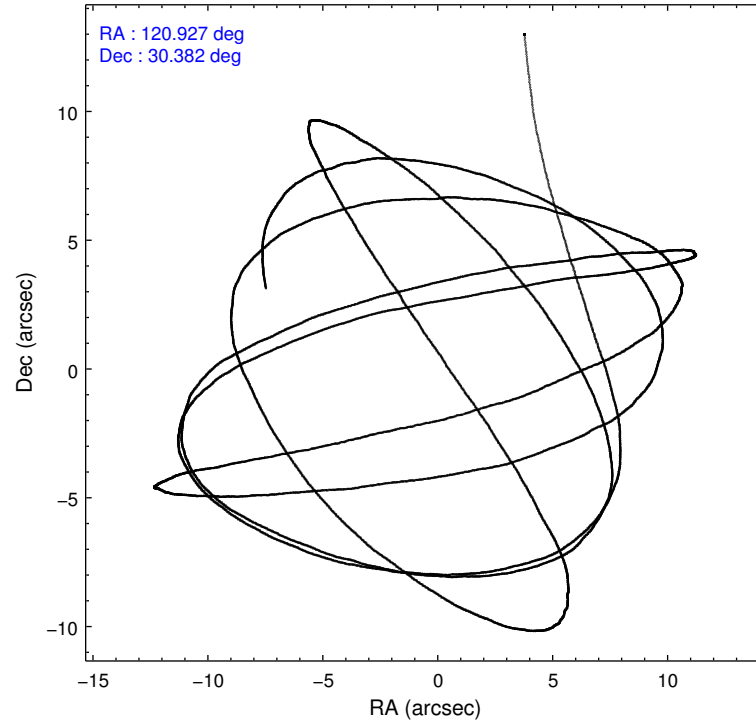
2.1.4 Events

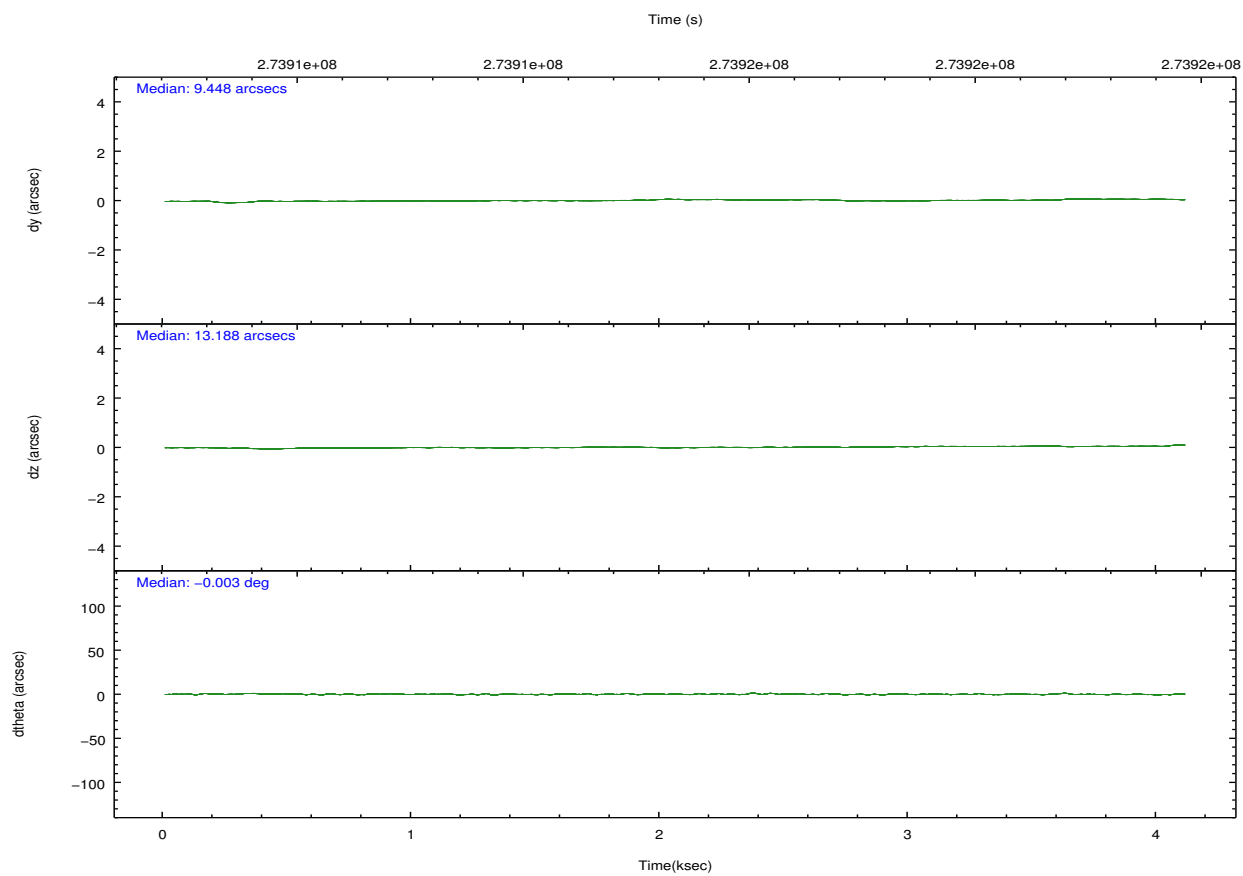
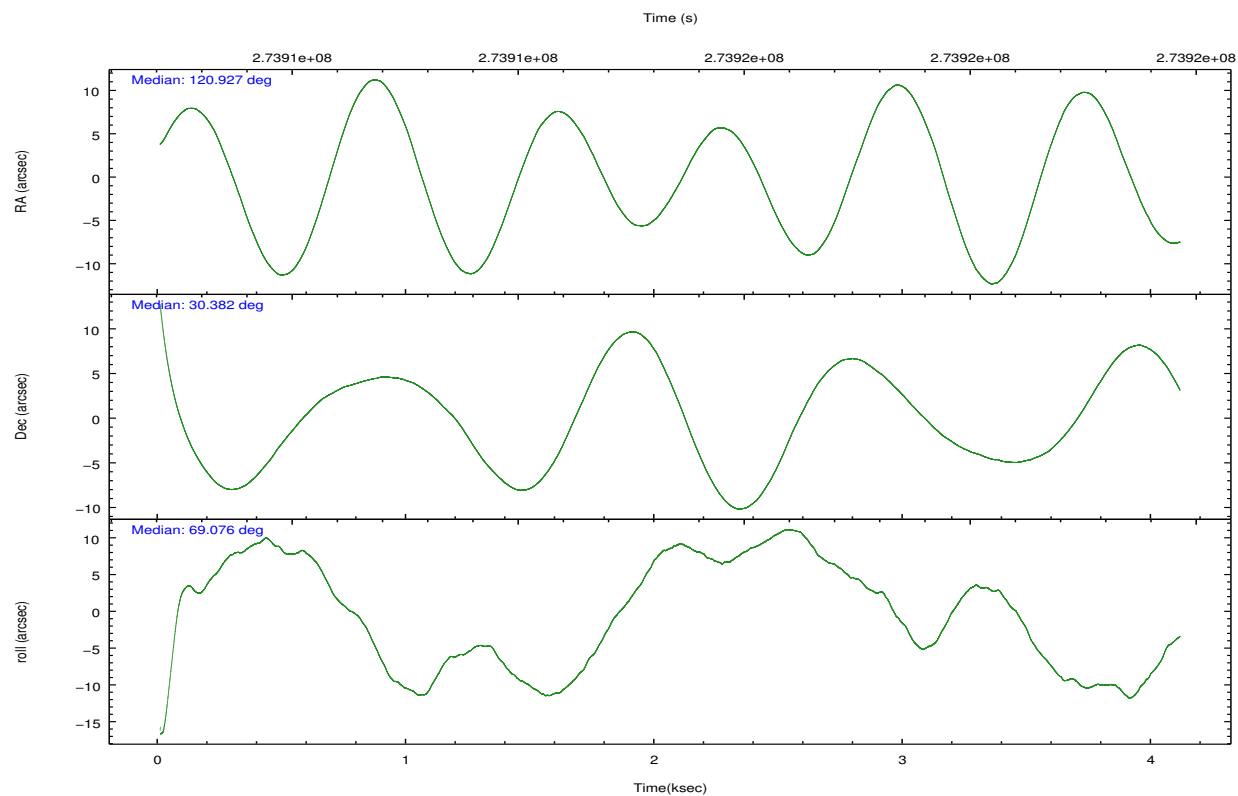
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26766	26001	46781	26277	39090	32732	grade 0 events	2487	2490	6644	2871	2035	3545
rejected events	23207	22526	26241	22303	23304	25963		9%	9%	14%	10%	5%	10%
rejected %	86%	86%	56%	84%	59%	79%	grade 1 events	13	13	51	19	34	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	721	669	6840	771	3851	1685
								2%	2%	14%	2%	9%	5%
							grade 3 events	335	342	1173	386	1739	782
								1%	1%	2%	1%	4%	2%
							grade 4 events	381	370	1112	394	1703	773
								1%	1%	2%	1%	4%	2%
							grade 5 events	962	1002	2882	1138	3034	1430
								3%	3%	6%	4%	7%	4%
							grade 6 events	546	509	10868	664	11238	1926
								2%	1%	23%	2%	28%	5%
							grade 7 events	21321	20606	17211	20034	15456	22565
								79%	79%	36%	76%	39%	68%

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	120.932736	120.9273641515364	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	30.355565	30.38244024229393	Subarray start row	257	257
[deg] Pointing Roll	68.923579	69.08284642204902	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)	273912760.184000	273911362.15417			
Observation start date	2006-09-06T06:51:35	2006-09-06T06:29:22			
[s] Observation end time (MET)	273916727.184000	273916952.50443			
Observation end date	2006-09-06T07:57:42	2006-09-06T08:02:32			
Read mode	TIMED	TIMED			

2.3 Aspect



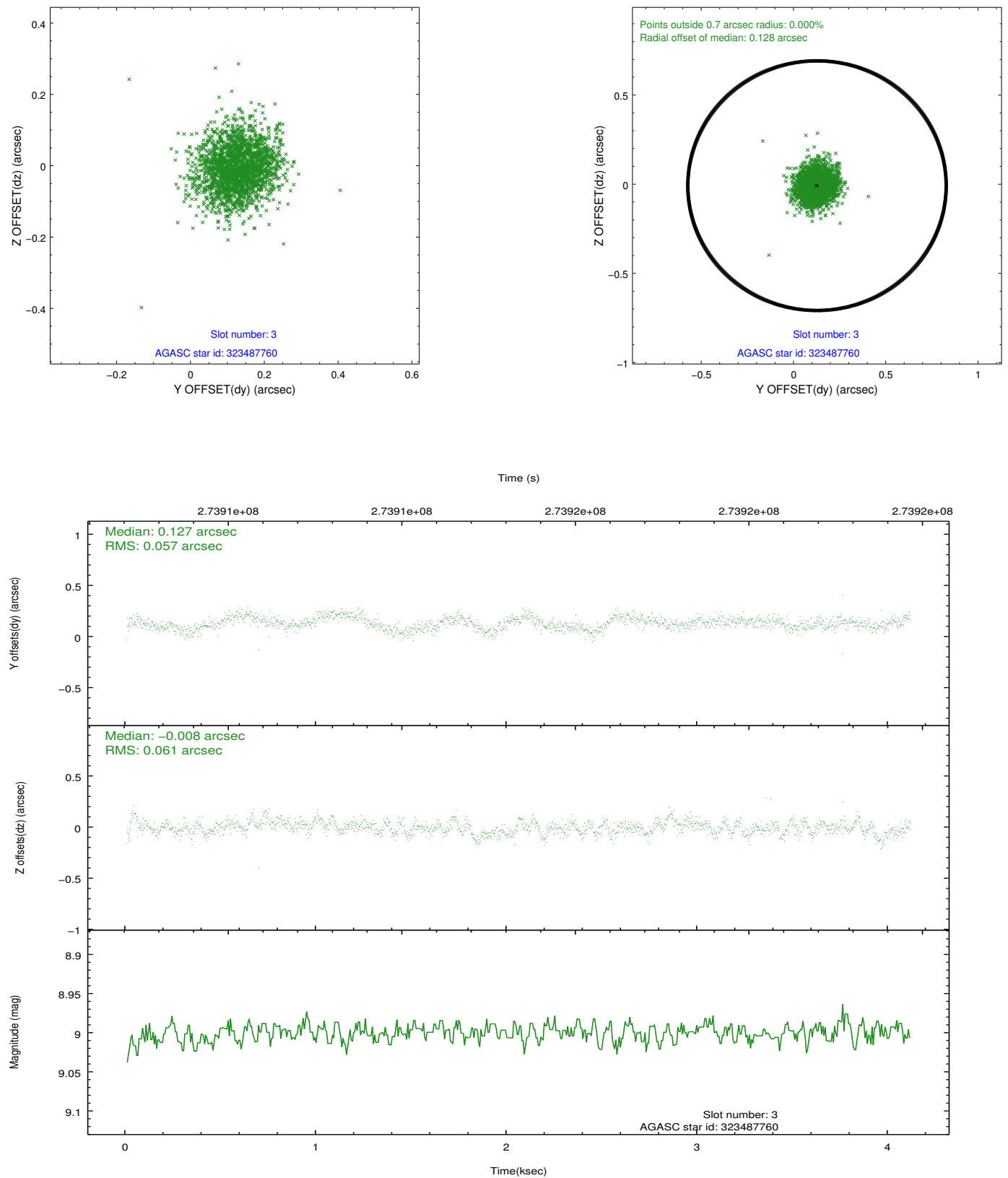


Slot Statistics

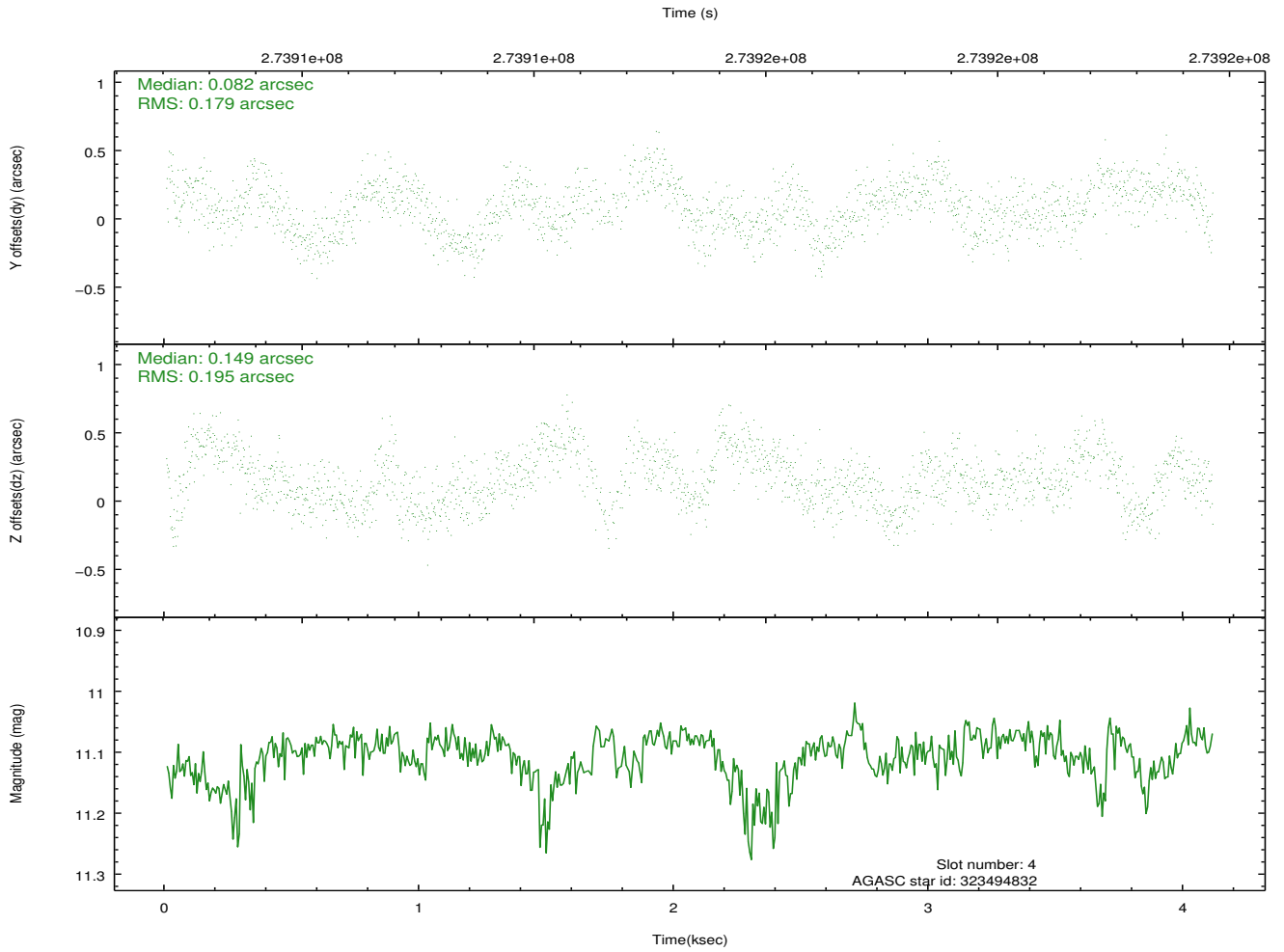
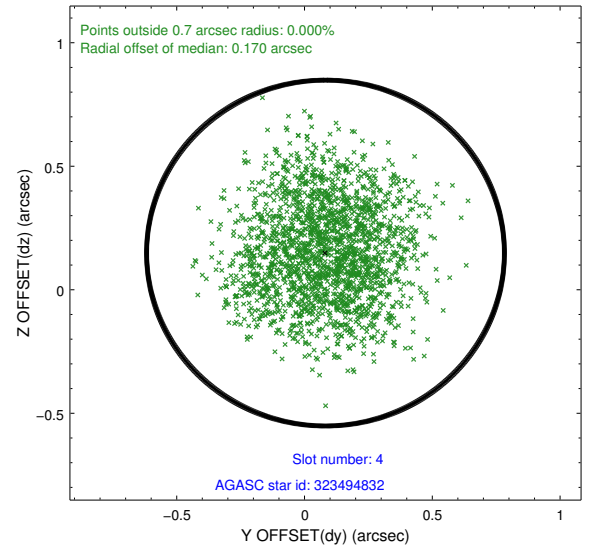
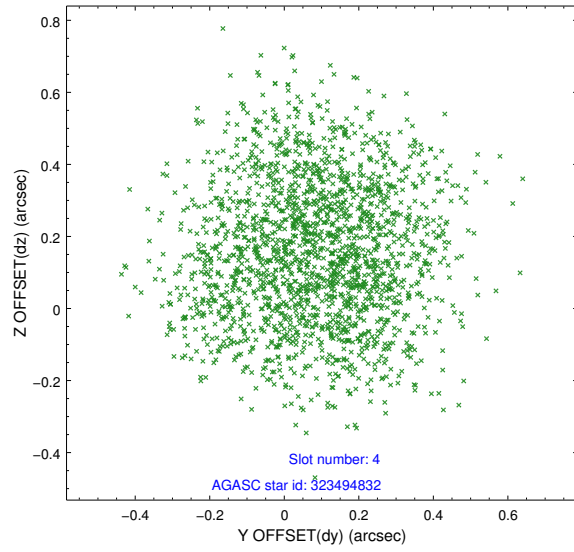
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1003	-0.019	-0.059	0.006	0.010	0.000000	0.000000	-762.31	-1734.52
1	FID	ACIS-S-4	7.20	1002	0.145	0.025	0.005	0.010	0.000000	0.000000	2150.46	172.44
2	FID	ACIS-S-5	7.23	1003	-0.157	0.043	0.006	0.010	0.000000	0.000000	-1813.32	167.90
3	GUIDE	323487760	9.00	2001	0.127	-0.008	0.087	0.142	121.380641	30.117773	-294.22	-1608.30
4	GUIDE	323494832	11.10	1941	0.082	0.149	0.294	0.434	120.862143	30.105003	-920.51	-119.98
5	GUIDE	323497688	9.22	2004	-0.174	-0.114	0.097	0.156	120.928357	31.015289	2210.71	866.65
6	GUIDE	323622296	9.02	1991	-0.159	-0.035	0.097	0.151	121.590332	30.829556	2330.03	-1280.41
7	GUIDE	323626960	8.84	2004	0.134	0.014	0.119	0.185	121.900434	30.682914	2190.63	-2368.67

2.4 Star Slots

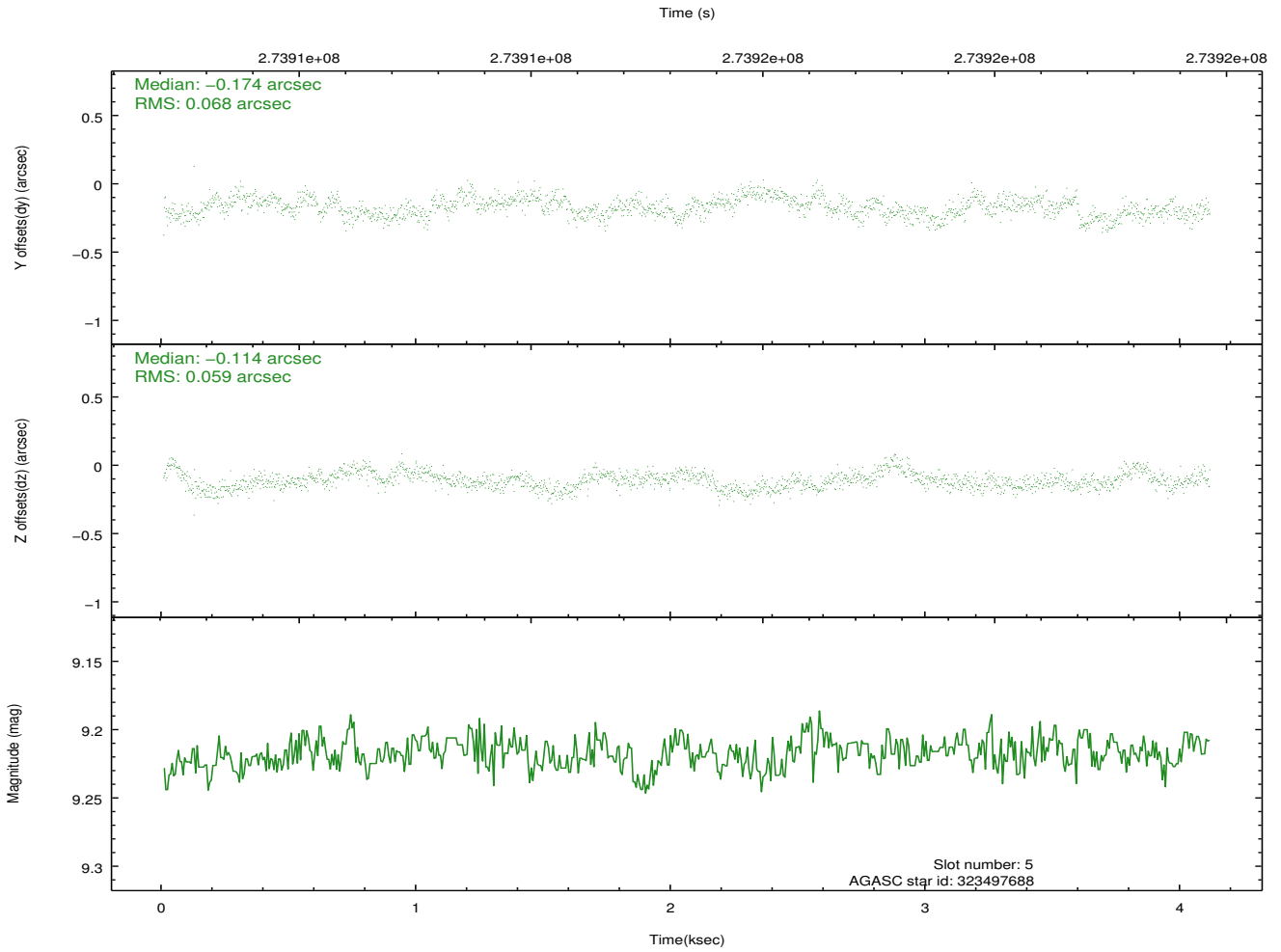
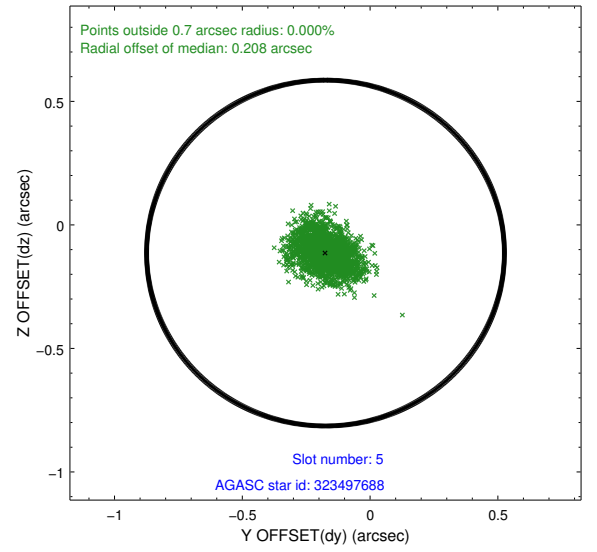
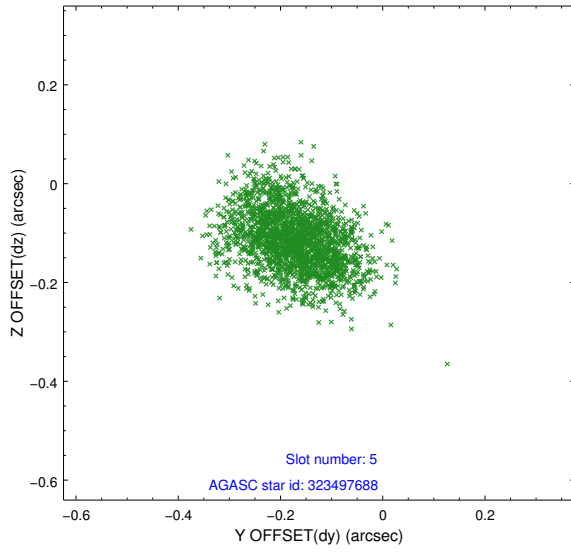
2.4.1 Slot 3



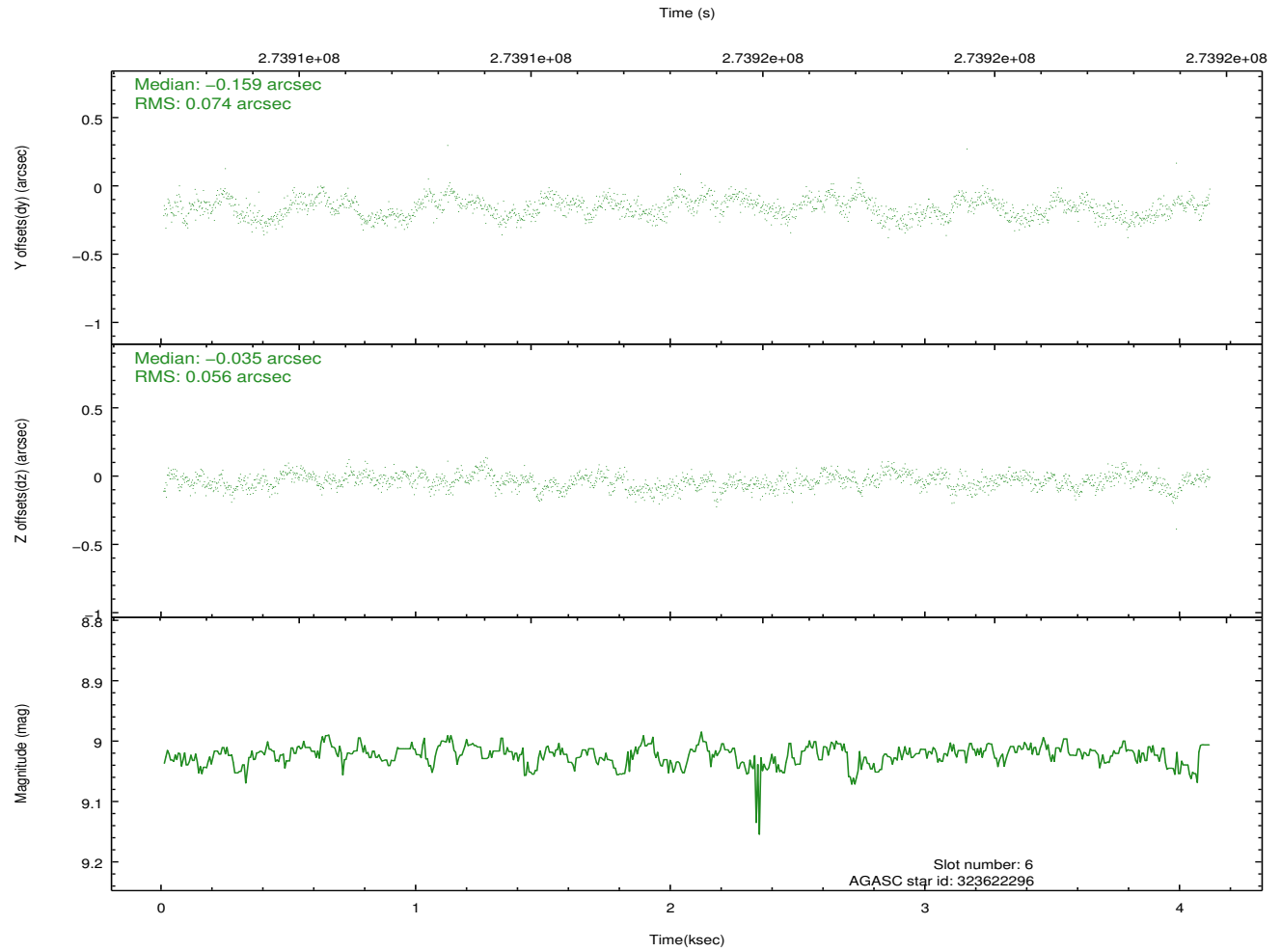
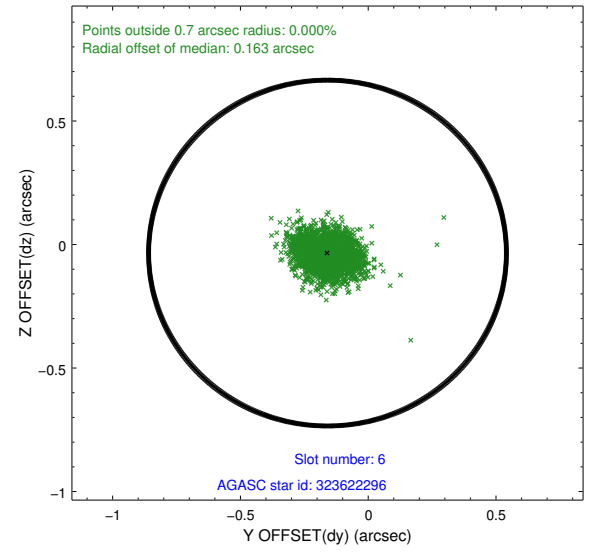
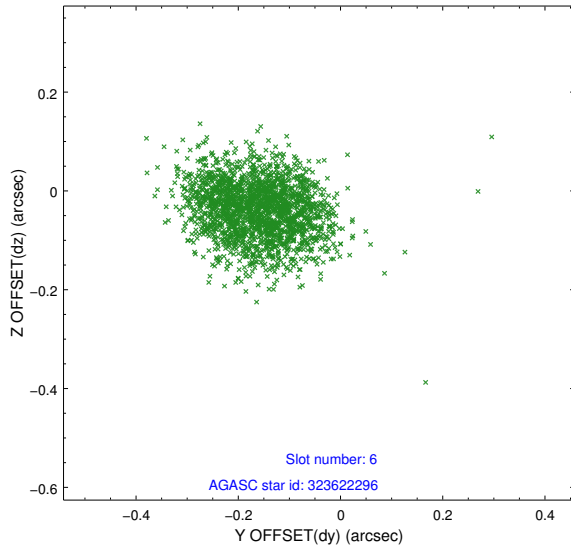
2.4.2 Slot 4



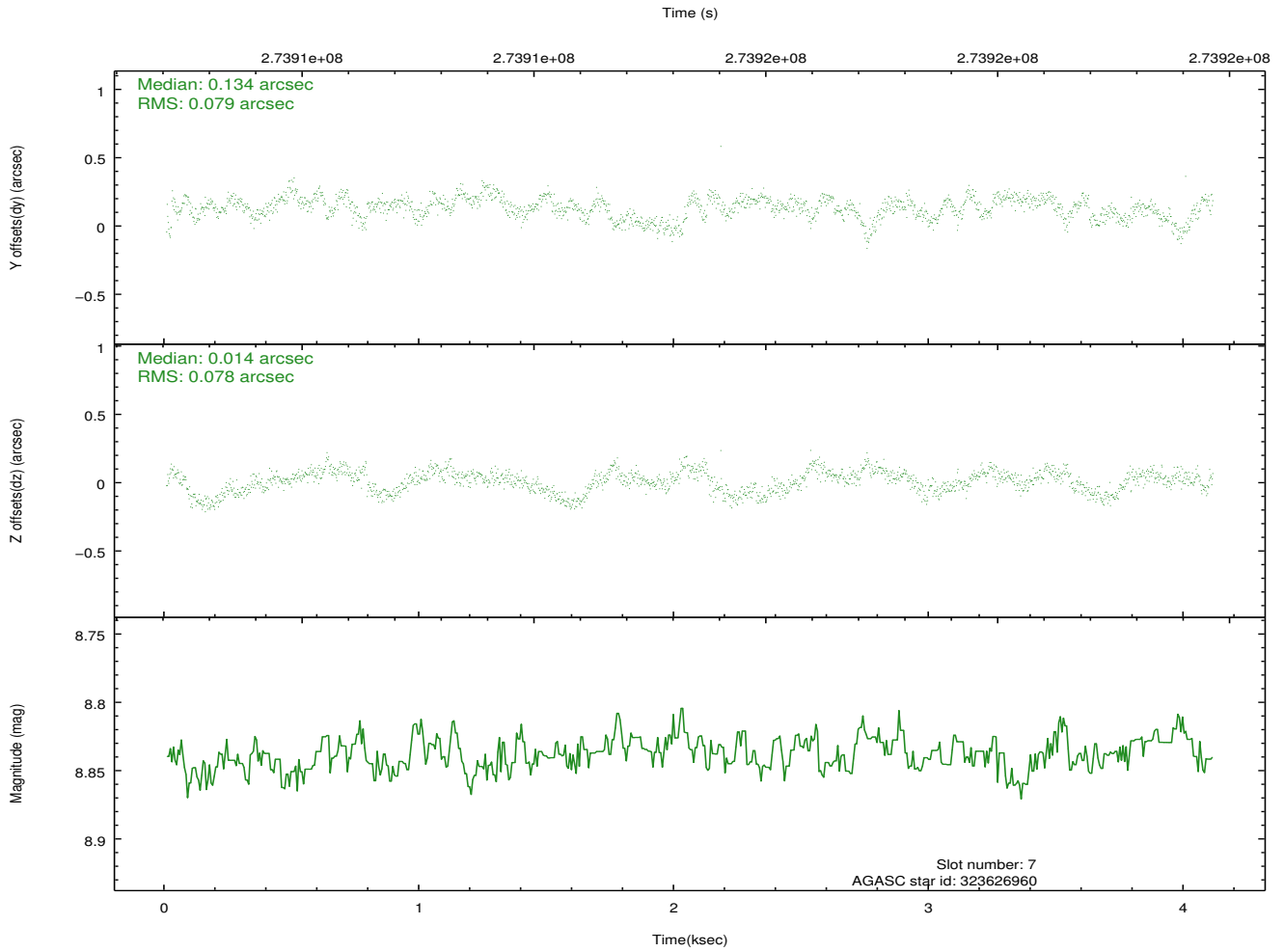
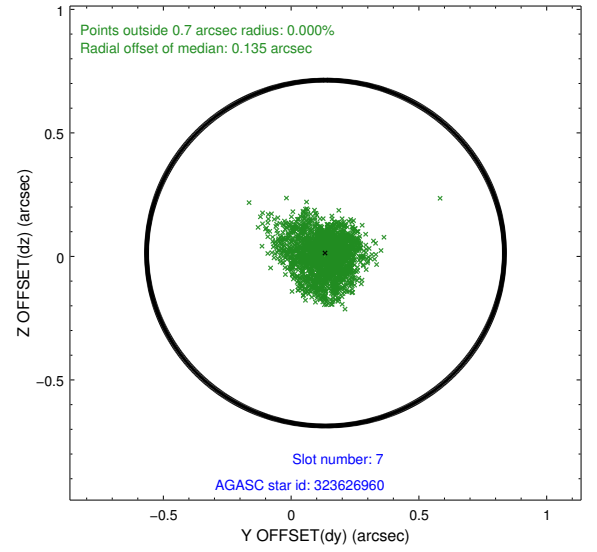
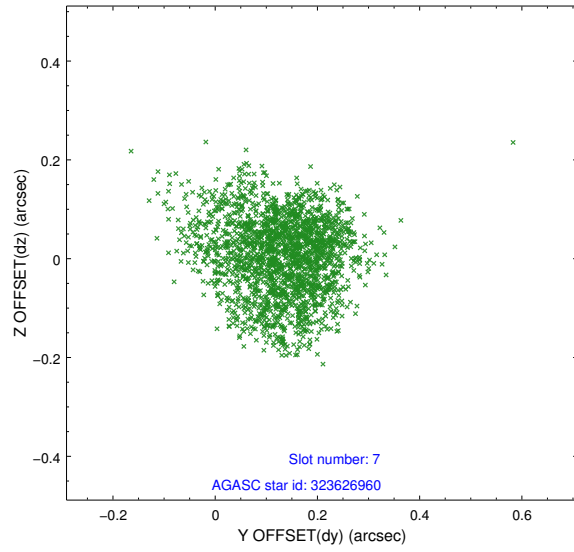
2.4.3 Slot 5



2.4.4 Slot 6

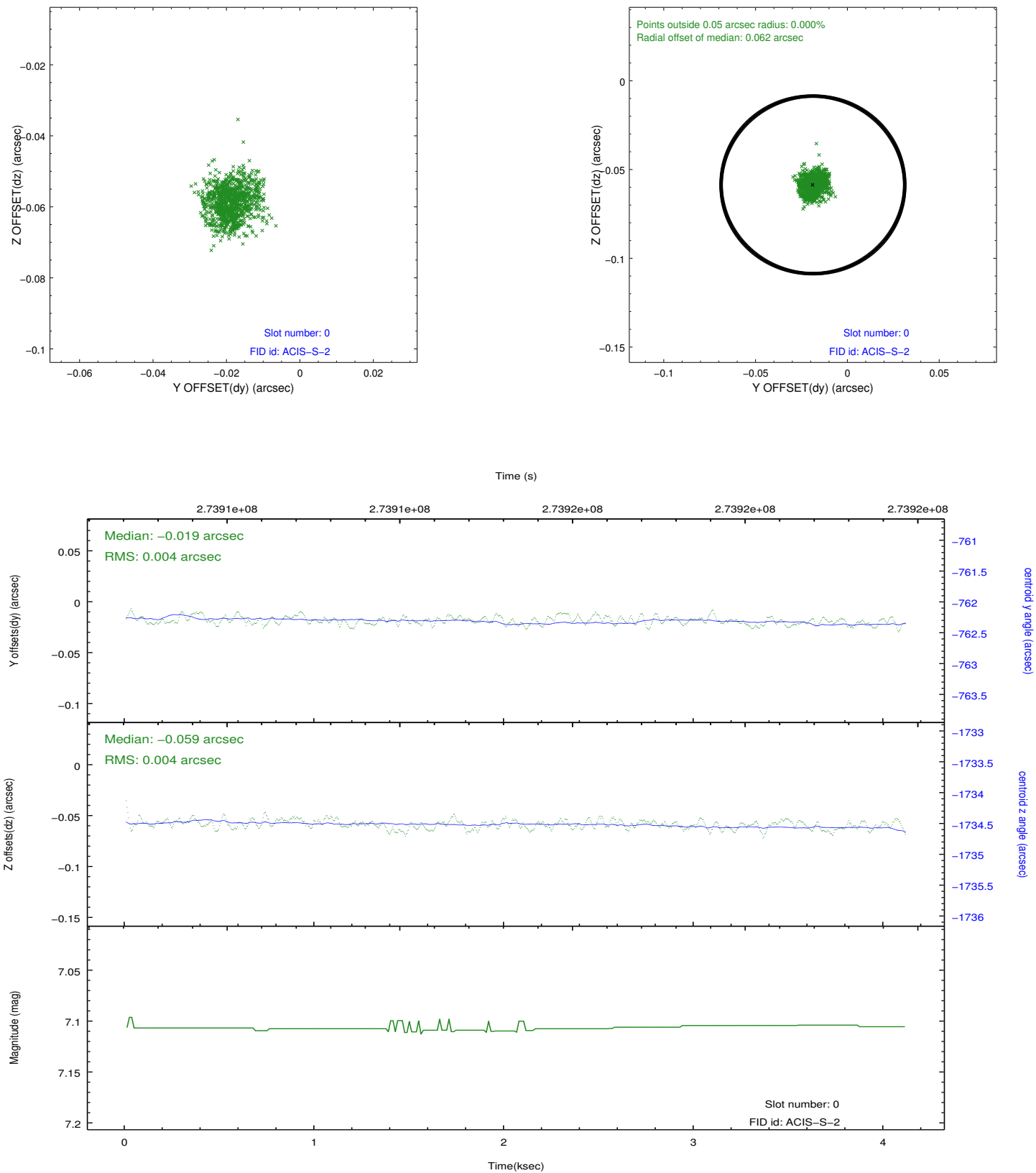


2.4.5 Slot 7

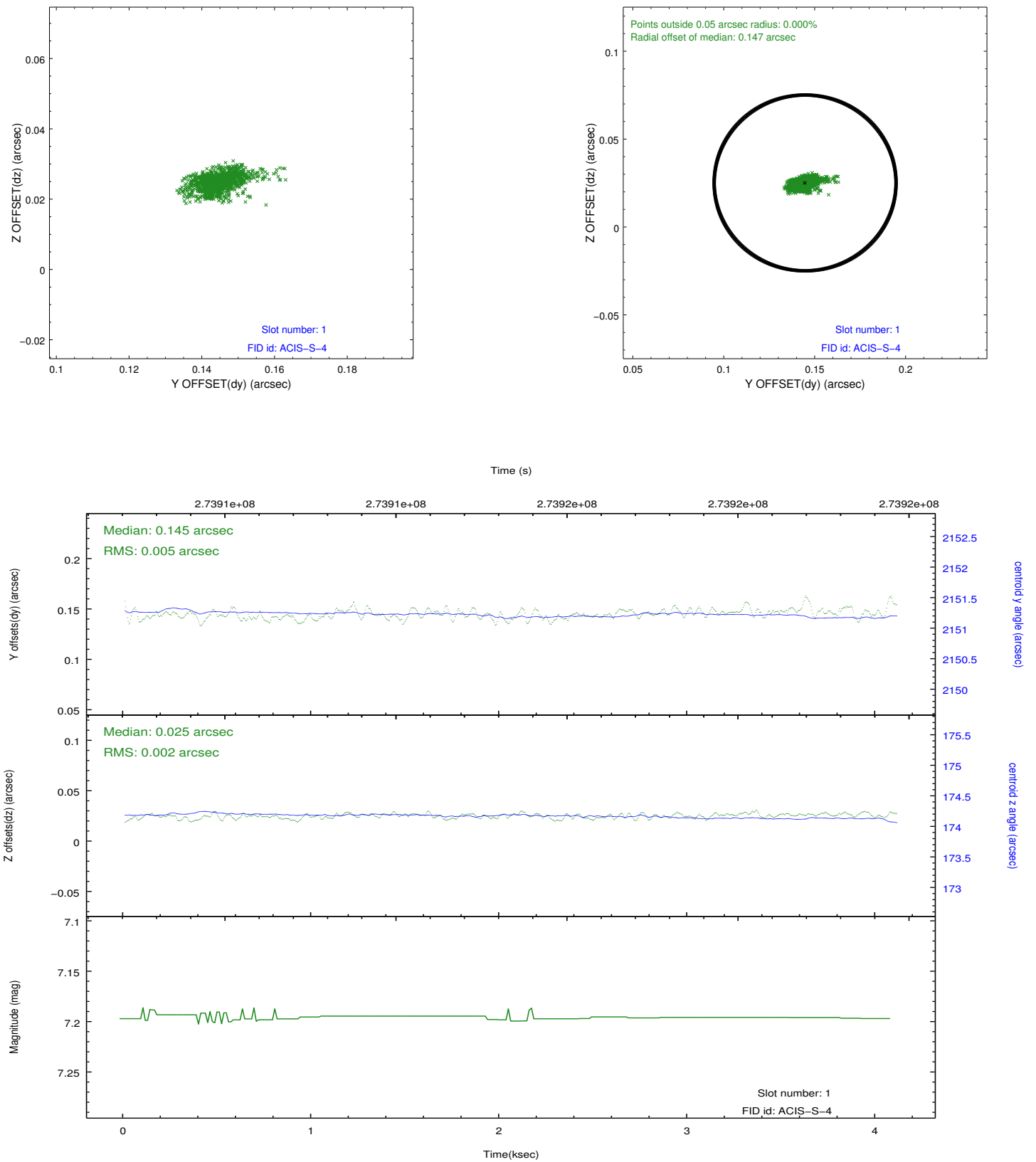


2.5 FID Slots

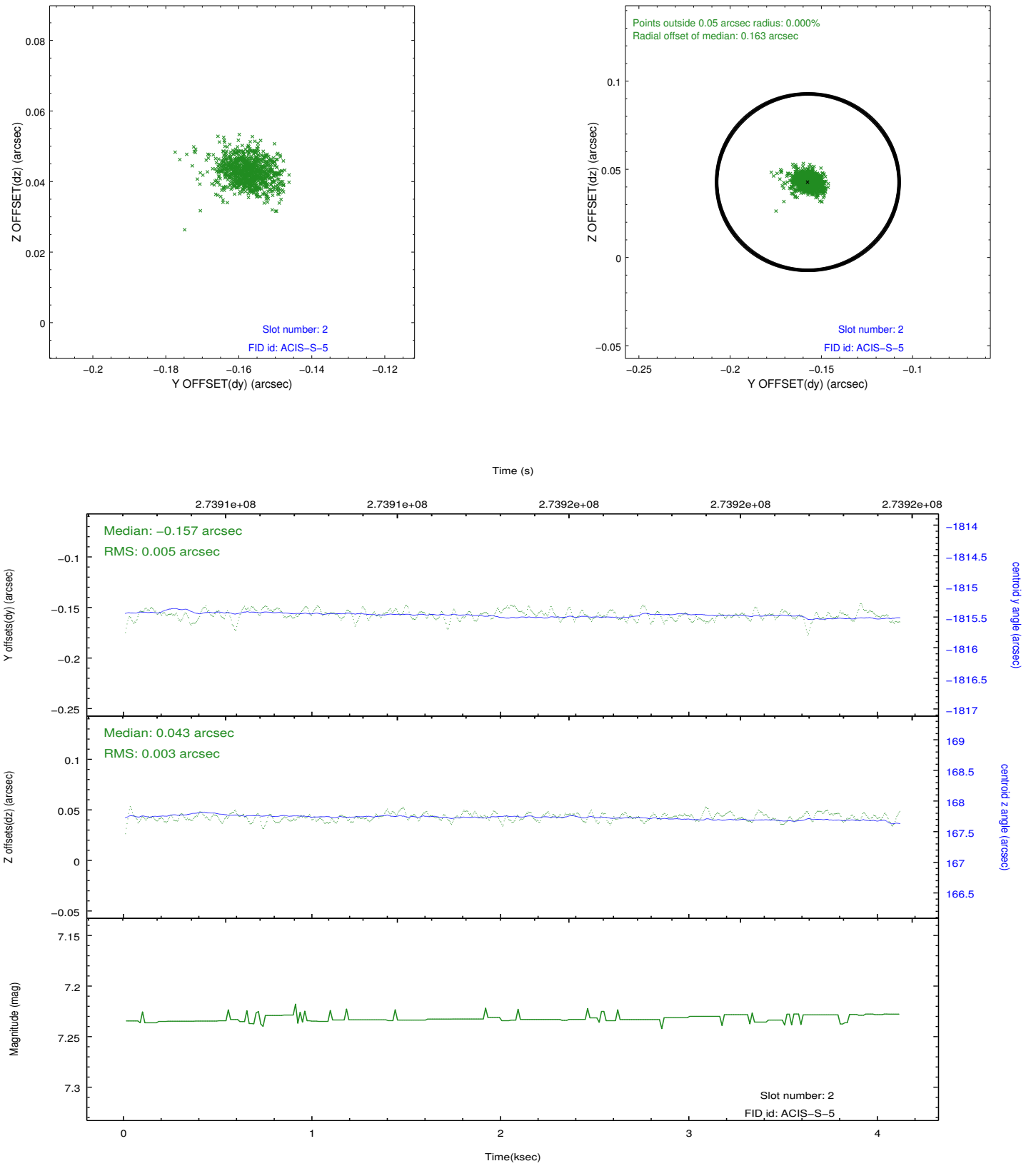
2.5.1 Slot 0



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	4.10400002

A.2 Comments