

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6810 - L2 Version 2
Chandra X-Ray Center

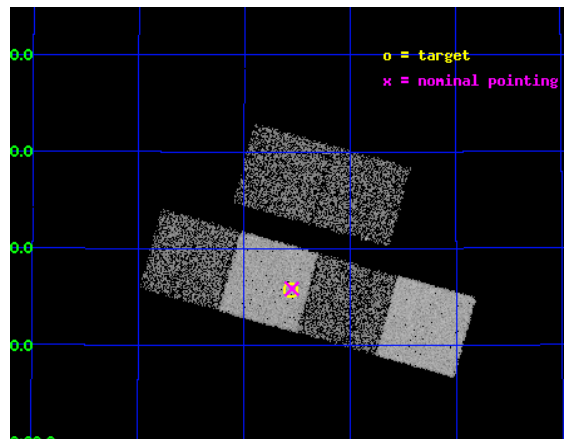
L2 Processing Date : Mar 25 2012

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1 Front

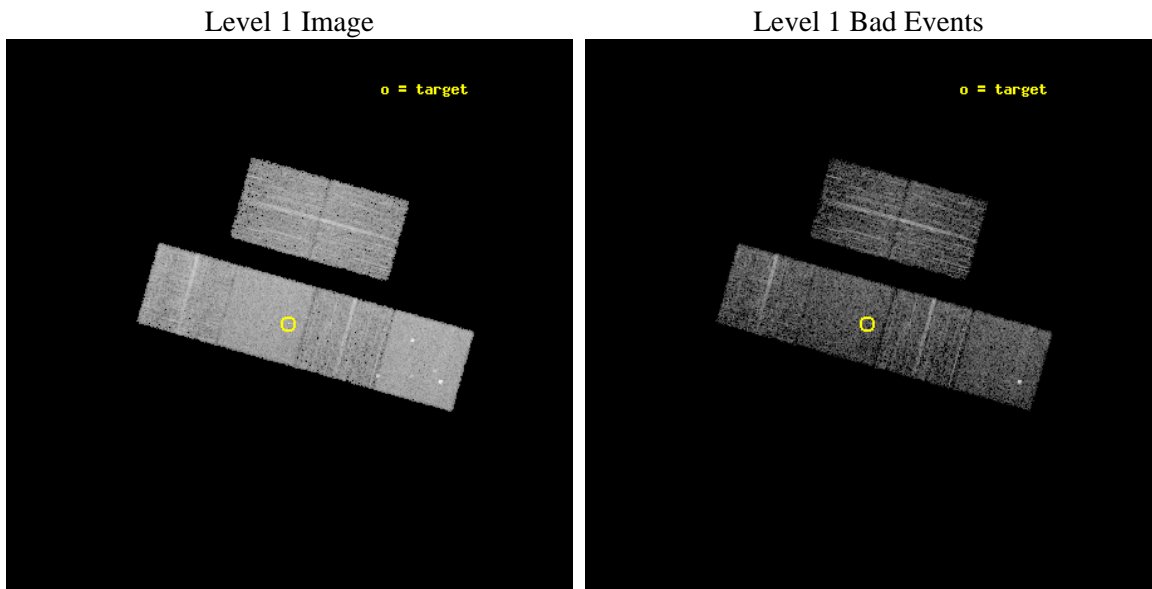
seq_num	701228	Sequence number
obs_id	6810	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J0900+4215	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.139583	Observer's specified target RA [deg]
dec_targ	42.263	Observer's specified target Dec [deg]
ra_nom	135.13732006024	Nominal RA [deg]
dec_nom	42.264213087366	Nominal Dec [deg]
roll_nom	195.56007909072	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3955.1999852657	Sum of GTIs [s]
livetime	3905.1168615168	Livetime [s]
ontime2	3955.1999852657	Sum of GTIs [s]
ontime3	3955.1999852657	Sum of GTIs [s]
ontime5	3955.1999852657	Sum of GTIs [s]
ontime6	3955.1999852657	Sum of GTIs [s]
ontime7	3955.1999852657	Sum of GTIs [s]
ontime8	3955.1999852657	Sum of GTIs [s]
l2events	53900	Number of level 2 events



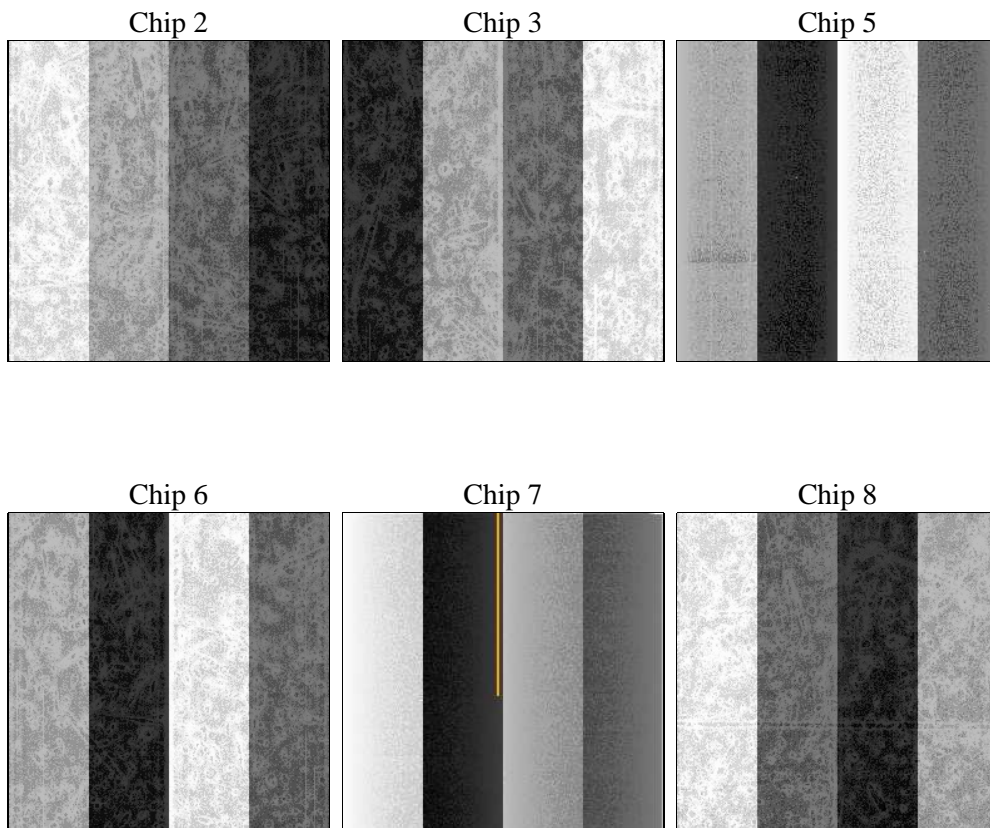
2 OBI

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	3955.1999852657	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	3955.1999852657	Sum of GTIs [s]
date	2012-03-25T02:02:13	Date and time of file creation	ontime3	3955.1999852657	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3955.1999852657	Sum of GTIs [s]
			ontime6	3955.1999852657	Sum of GTIs [s]
			ontime7	3955.1999852657	Sum of GTIs [s]
			ontime8	3955.1999852657	Sum of GTIs [s]
			l1events	239807	Number of level 1 events

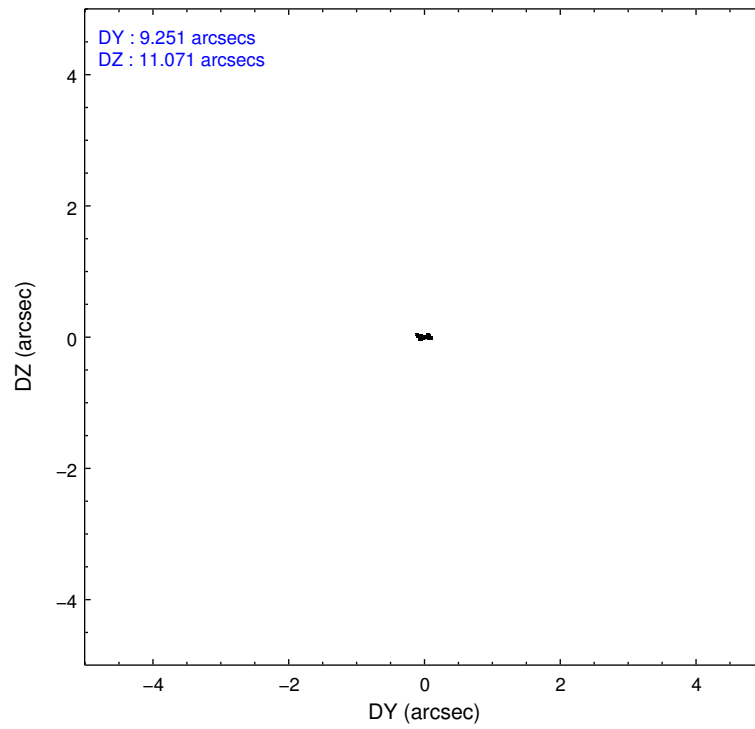
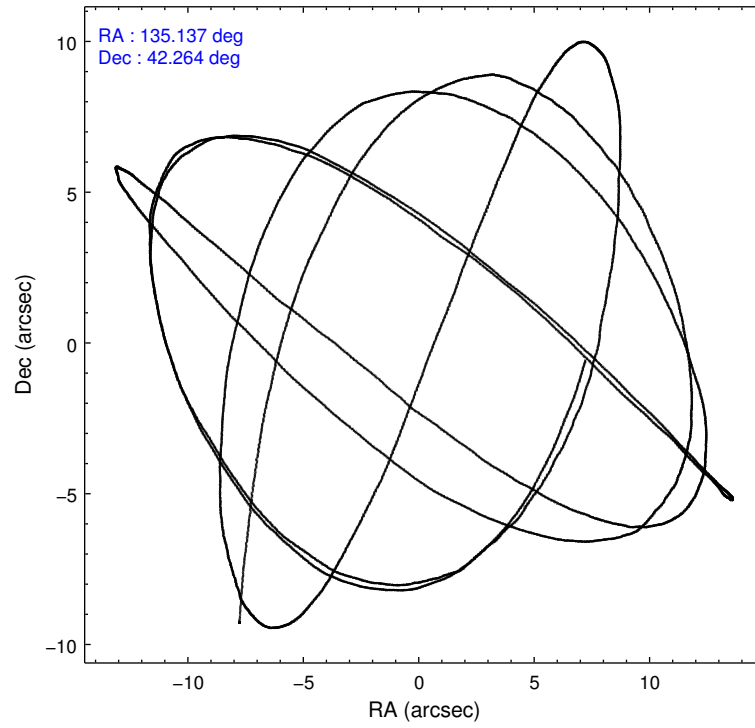
2.1.4 Events

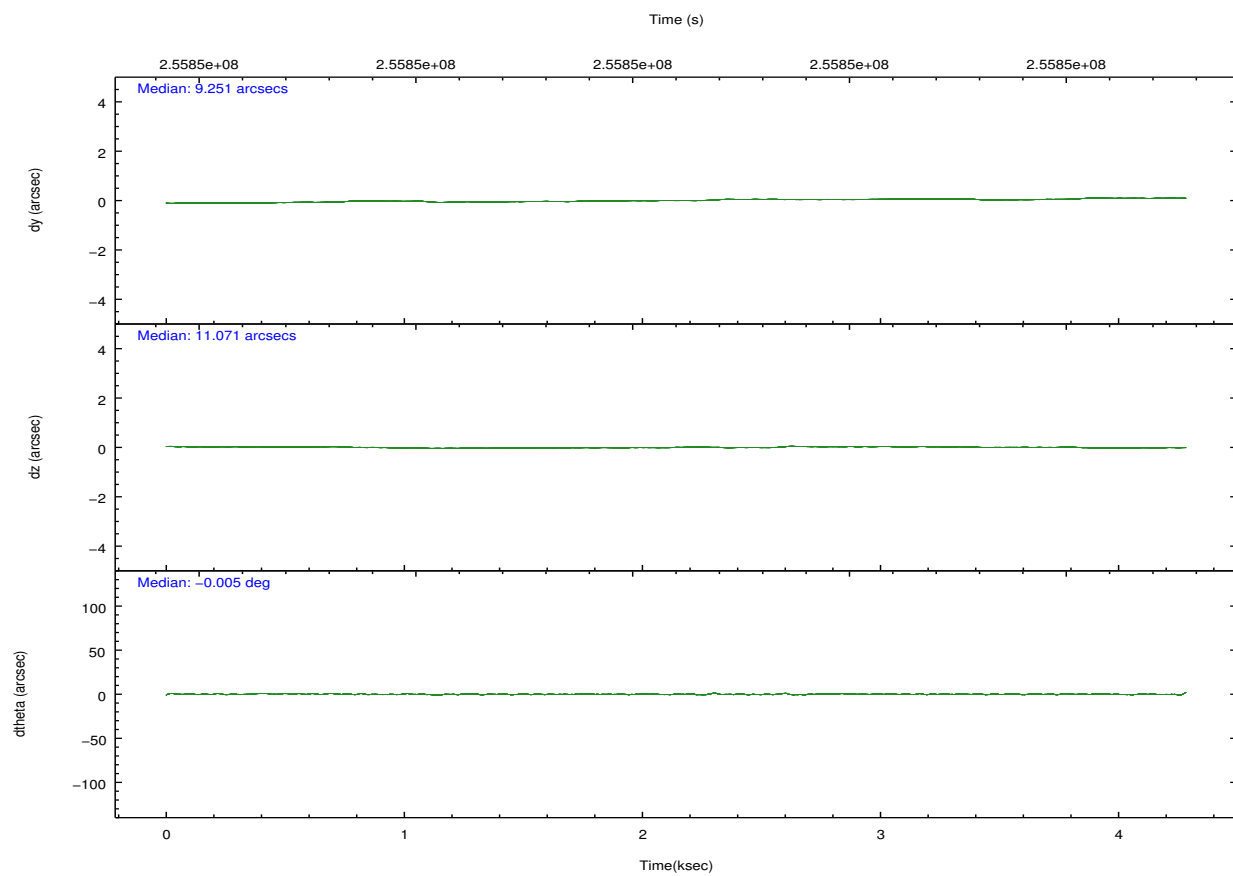
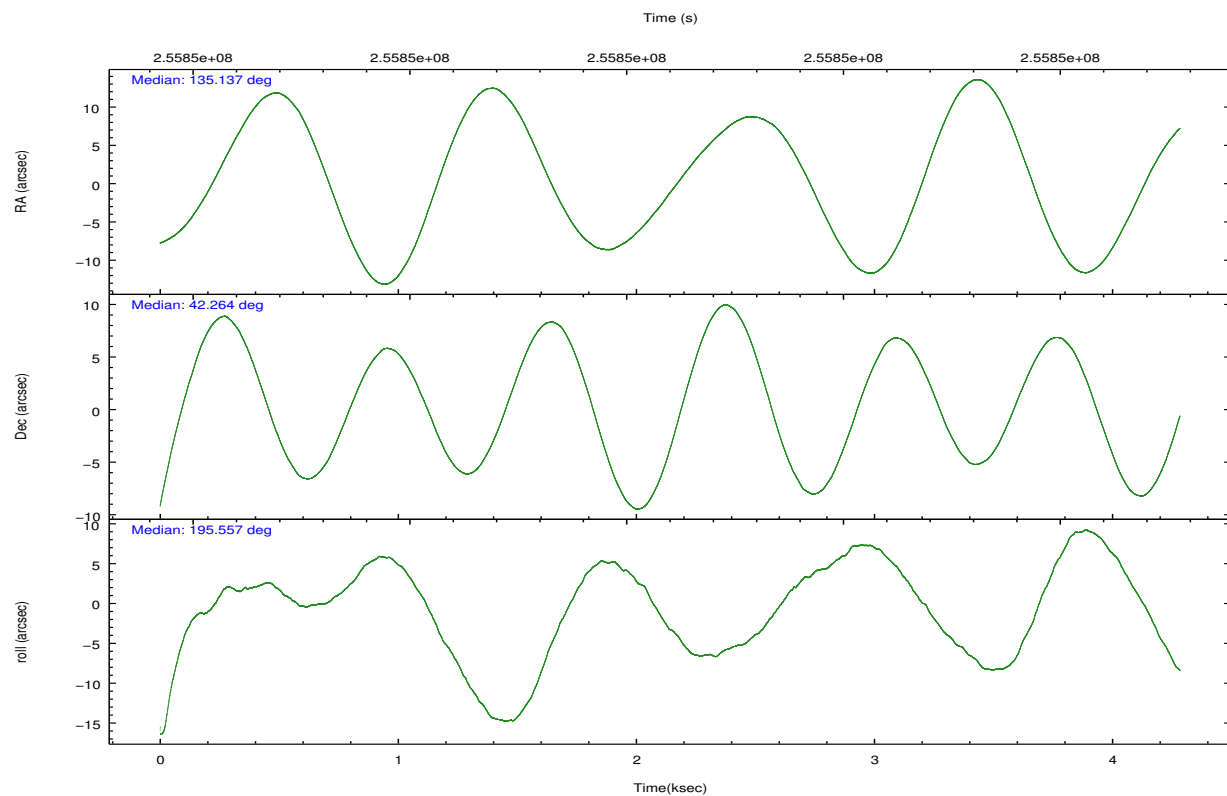
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34459	32684	52106	33279	45833	41446	grade 0 events	1896	1717	2680	1545	1698	2923
rejected events	30374	28909	28494	29414	26918	32067		5%	5%	5%	4%	3%	7%
rejected %	88%	88%	54%	88%	58%	77%	grade 1 events	35	21	82	12	48	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	777	711	7150	796	3791	2038
								2%	2%	13%	2%	8%	4%
							grade 3 events	384	344	898	364	1690	1013
								1%	1%	1%	1%	3%	2%
							grade 4 events	372	344	760	384	1643	993
								1%	1%	1%	1%	3%	2%
							grade 5 events	1325	1512	3761	1563	4376	2020
								3%	4%	7%	4%	9%	4%
							grade 6 events	665	668	12164	783	10119	2419
								1%	2%	23%	2%	22%	5%
							grade 7 events	29005	27367	24611	27832	22468	30004
								84%	83%	47%	83%	49%	72%

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	135.162768	135.1373200602413	Subarray requested	NONE	NONE
[deg] Pointing Dec	42.283975	42.26421308736645	Alternating exposures requested	N	N
[deg] Pointing Roll	195.386337	195.5600790907164	[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)	255847340.184000	255846327.22291			
Observation start date	2006-02-09T04:41:15	2006-02-09T04:25:27			
[s] Observation end time (MET)	255851340.184000	255852566.9107			
Observation end date	2006-02-09T05:47:55	2006-02-09T06:09:26			
Read mode	TIMED	TIMED			

2.3 Aspect



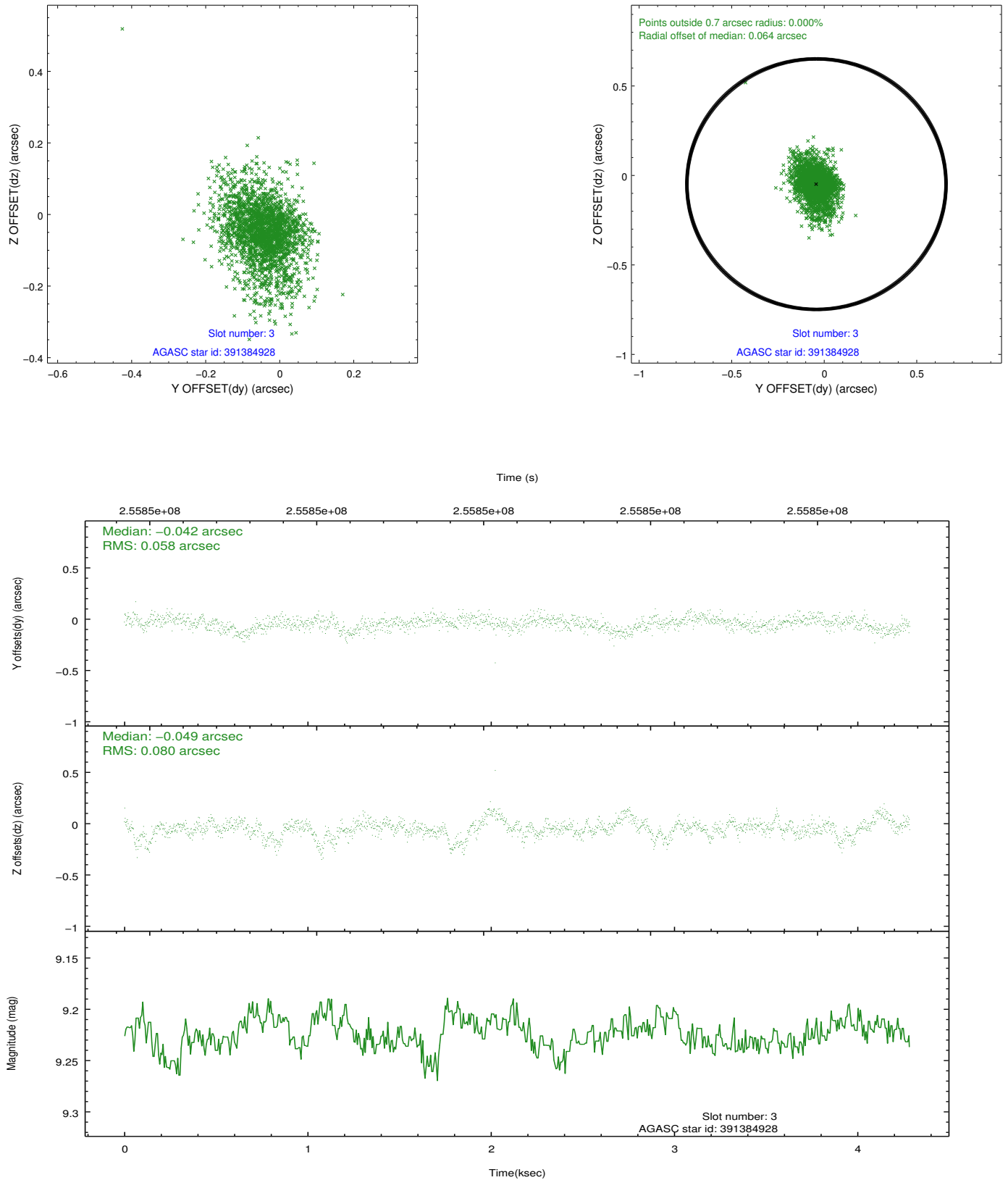


Slot Statistics

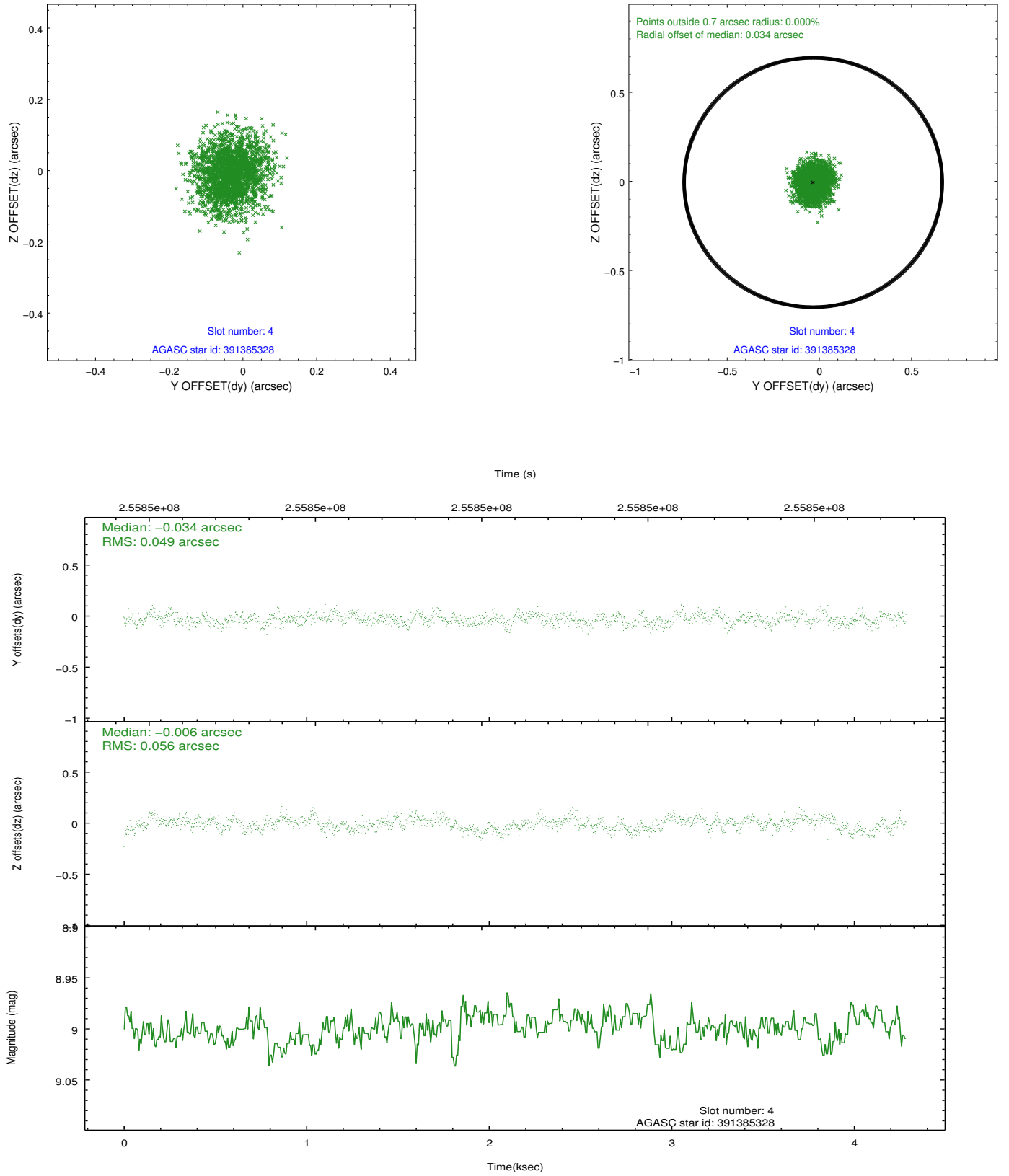
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1045	-0.044	-0.019	0.006	0.010	0.000000	0.000000	-762.08	-1732.33
1	FID	ACIS-S-4	7.21	1045	0.157	0.026	0.005	0.010	0.000000	0.000000	2150.71	174.75
2	FID	ACIS-S-5	7.23	1046	-0.145	0.002	0.006	0.011	0.000000	0.000000	-1813.20	169.98
3	GUIDE	391384928	9.22	2089	-0.042	-0.049	0.098	0.185	135.009483	42.367821	313.70	-399.23
4	GUIDE	391385328	9.00	2090	-0.034	-0.006	0.080	0.129	134.362224	42.399196	1939.71	-974.28
5	GUIDE	391389184	9.38	2090	0.106	-0.218	0.093	0.157	135.211675	42.193849	-37.86	347.46
6	GUIDE	391774848	8.15	2091	-0.047	0.136	0.074	0.117	135.130539	42.900793	-506.91	-2163.21
7	GUIDE	391395480	9.57	2085	0.027	0.133	0.114	0.191	134.491020	41.655456	2340.68	1694.76

2.4 Star Slots

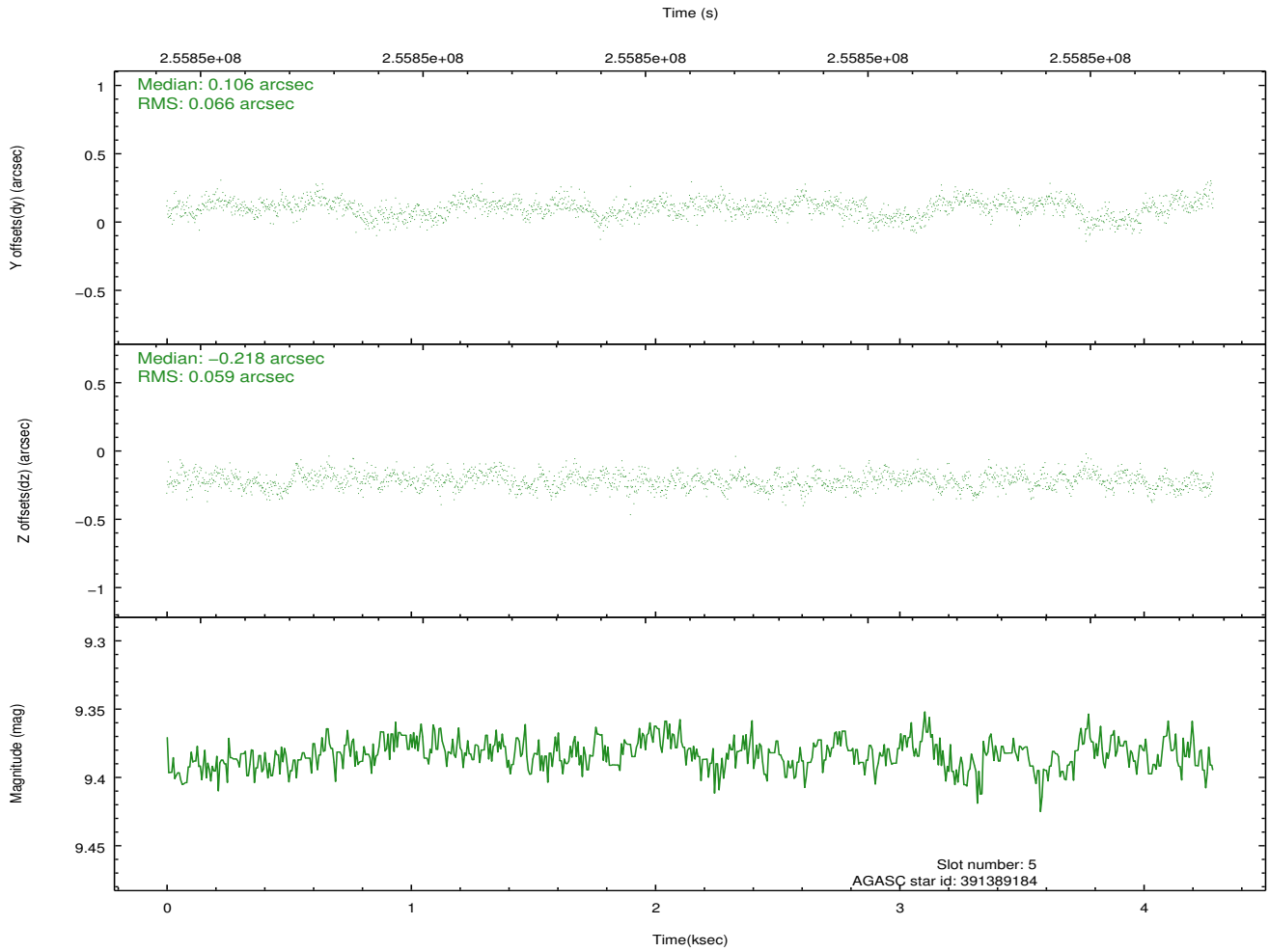
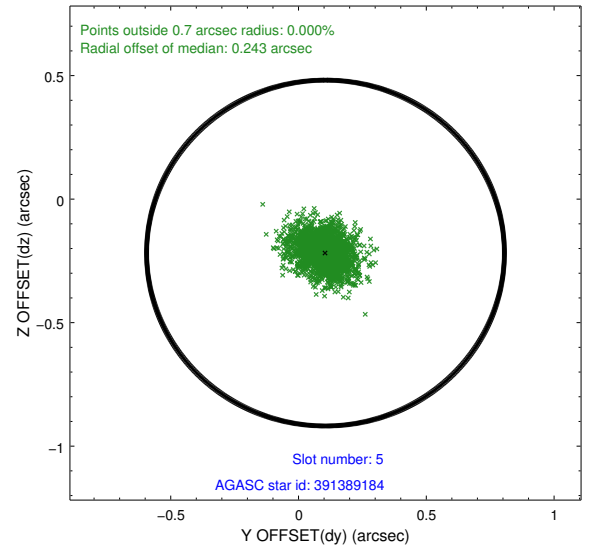
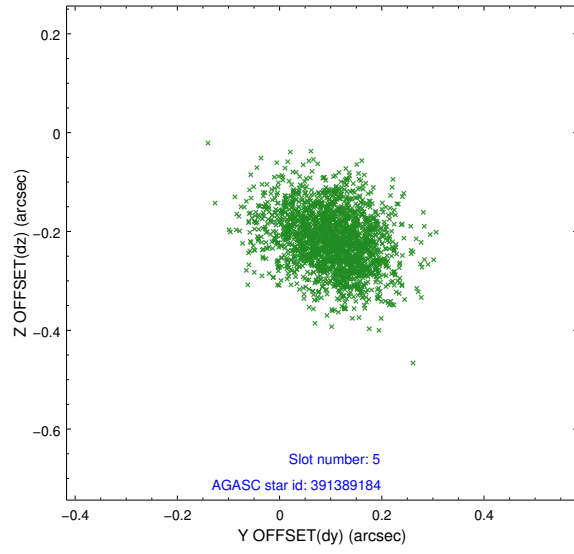
2.4.1 Slot 3



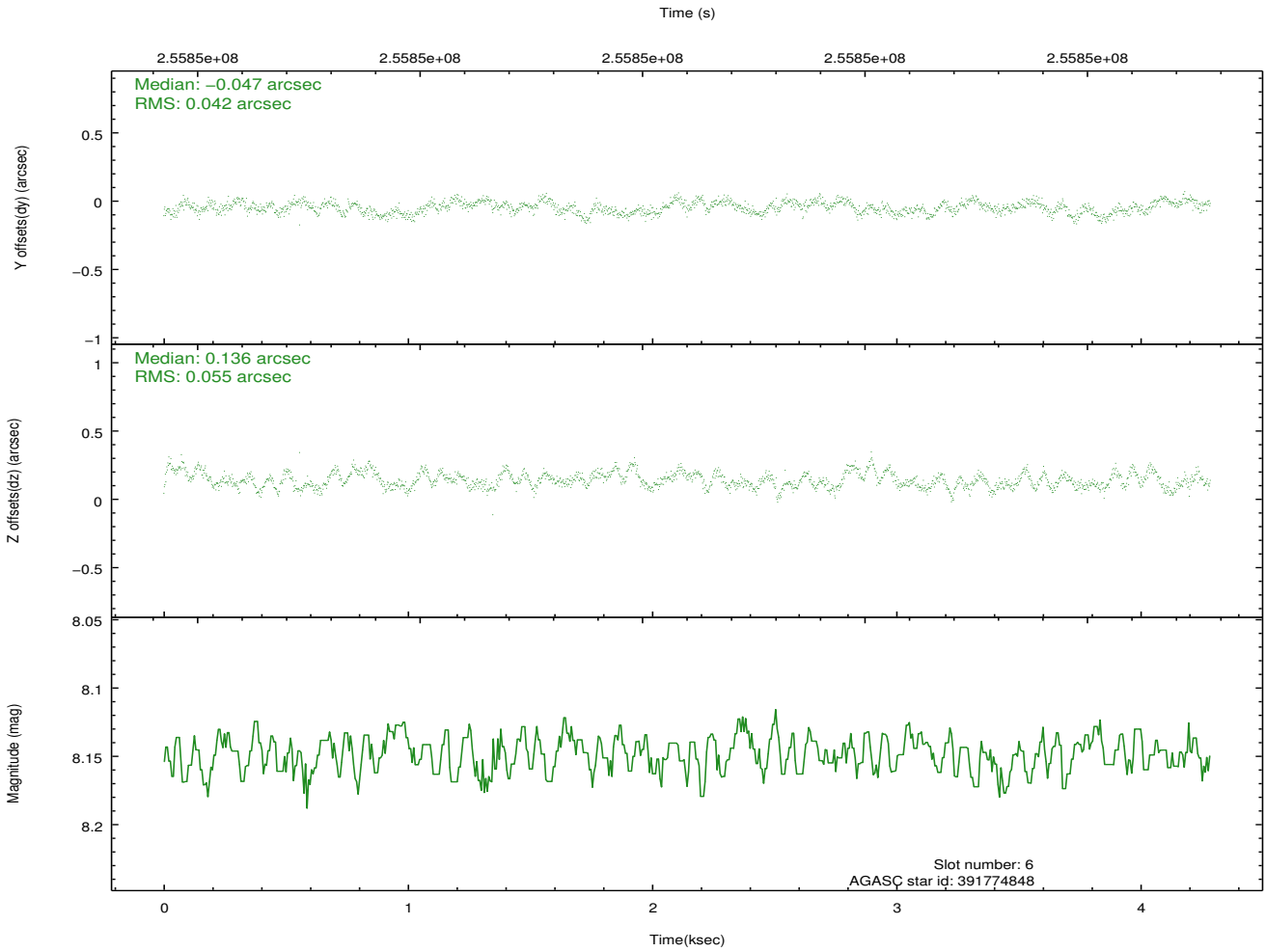
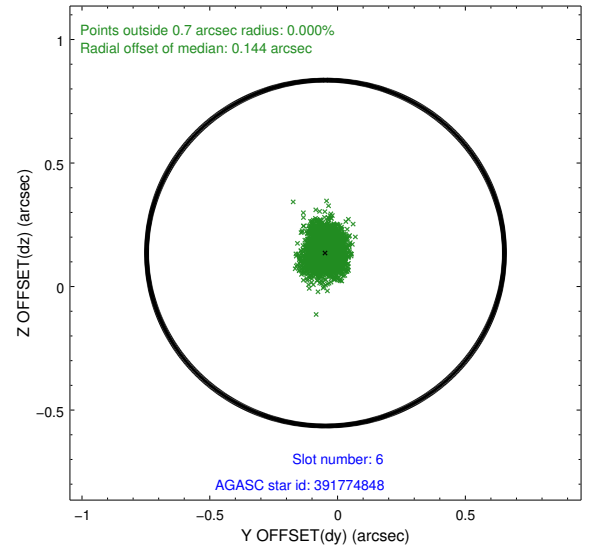
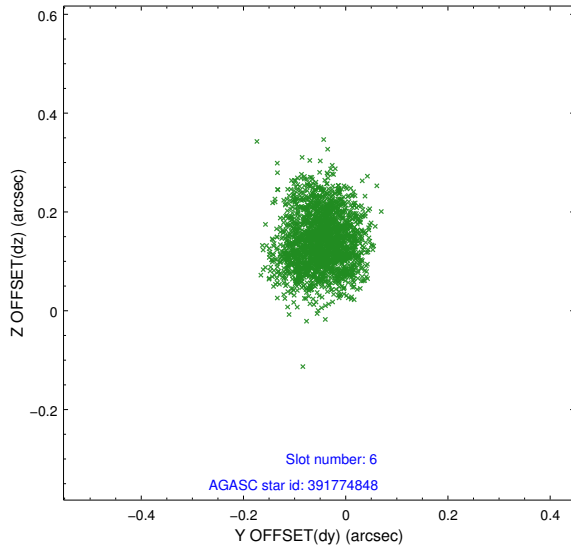
2.4.2 Slot 4



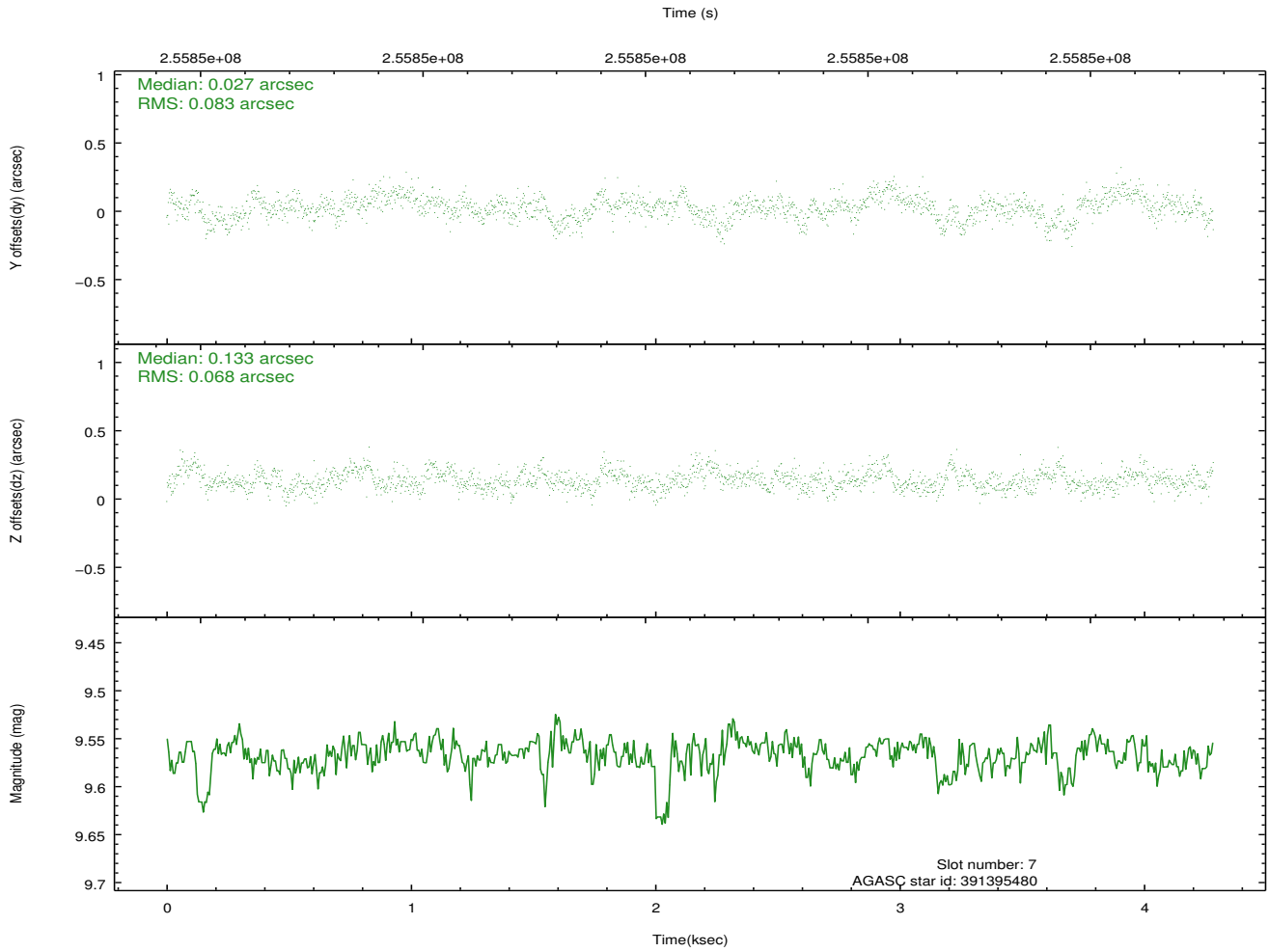
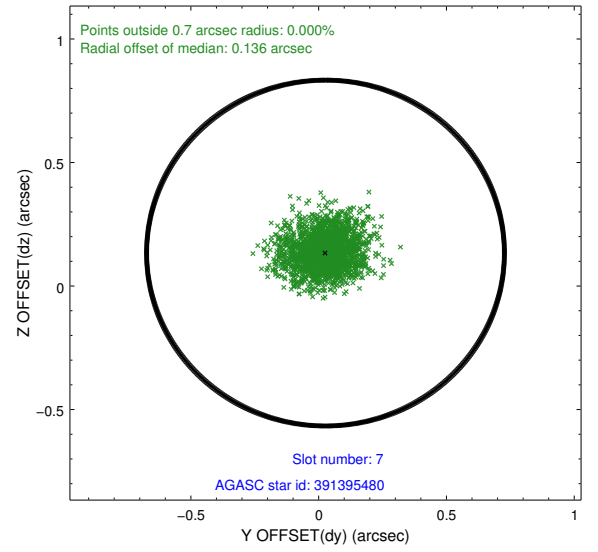
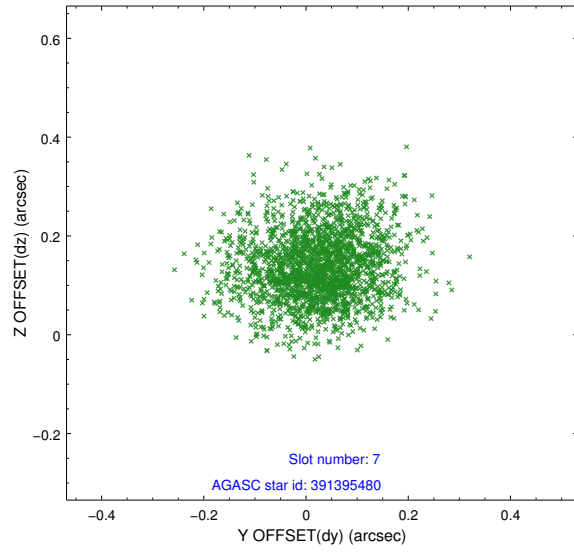
2.4.3 Slot 5



2.4.4 Slot 6

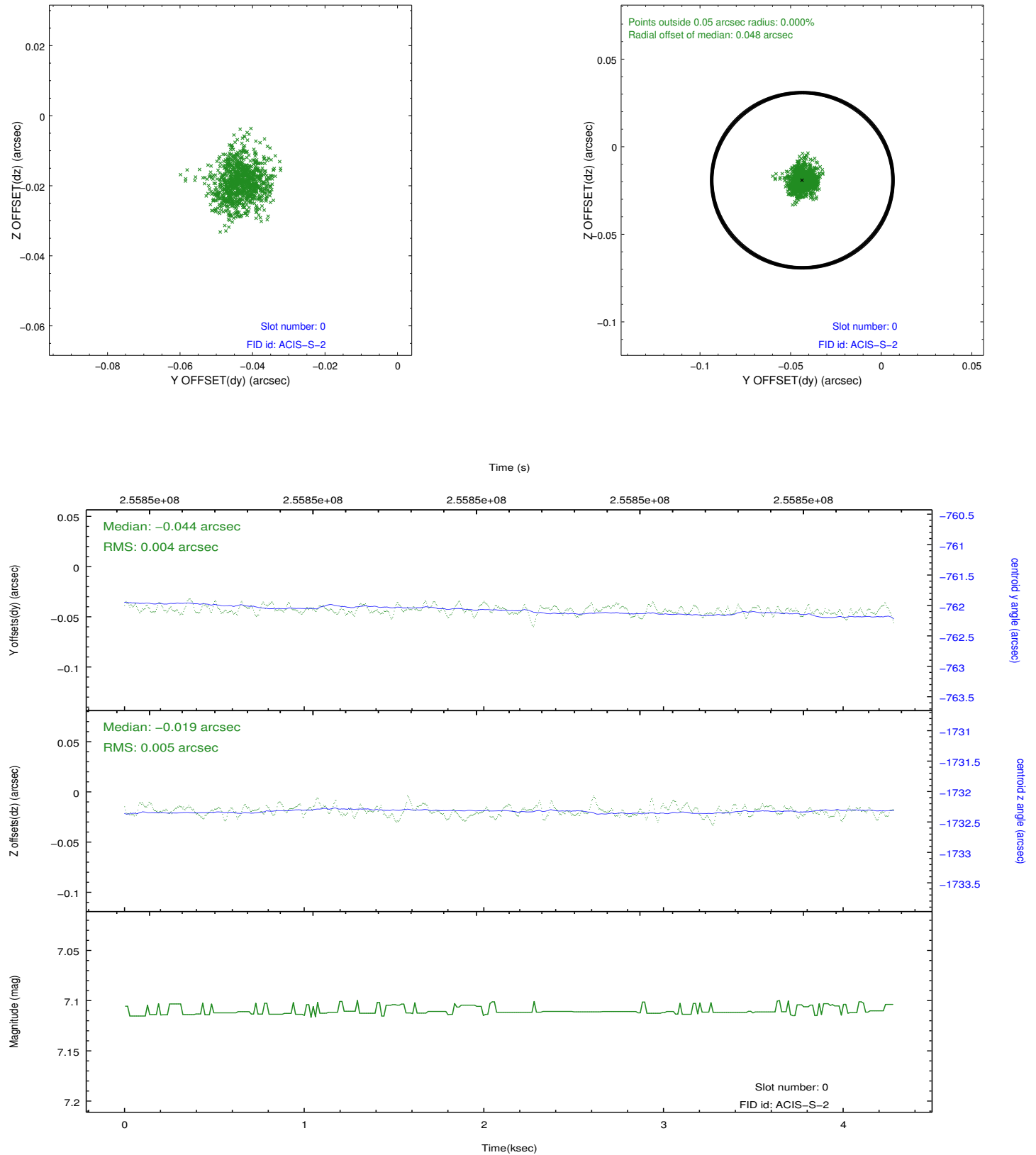


2.4.5 Slot 7

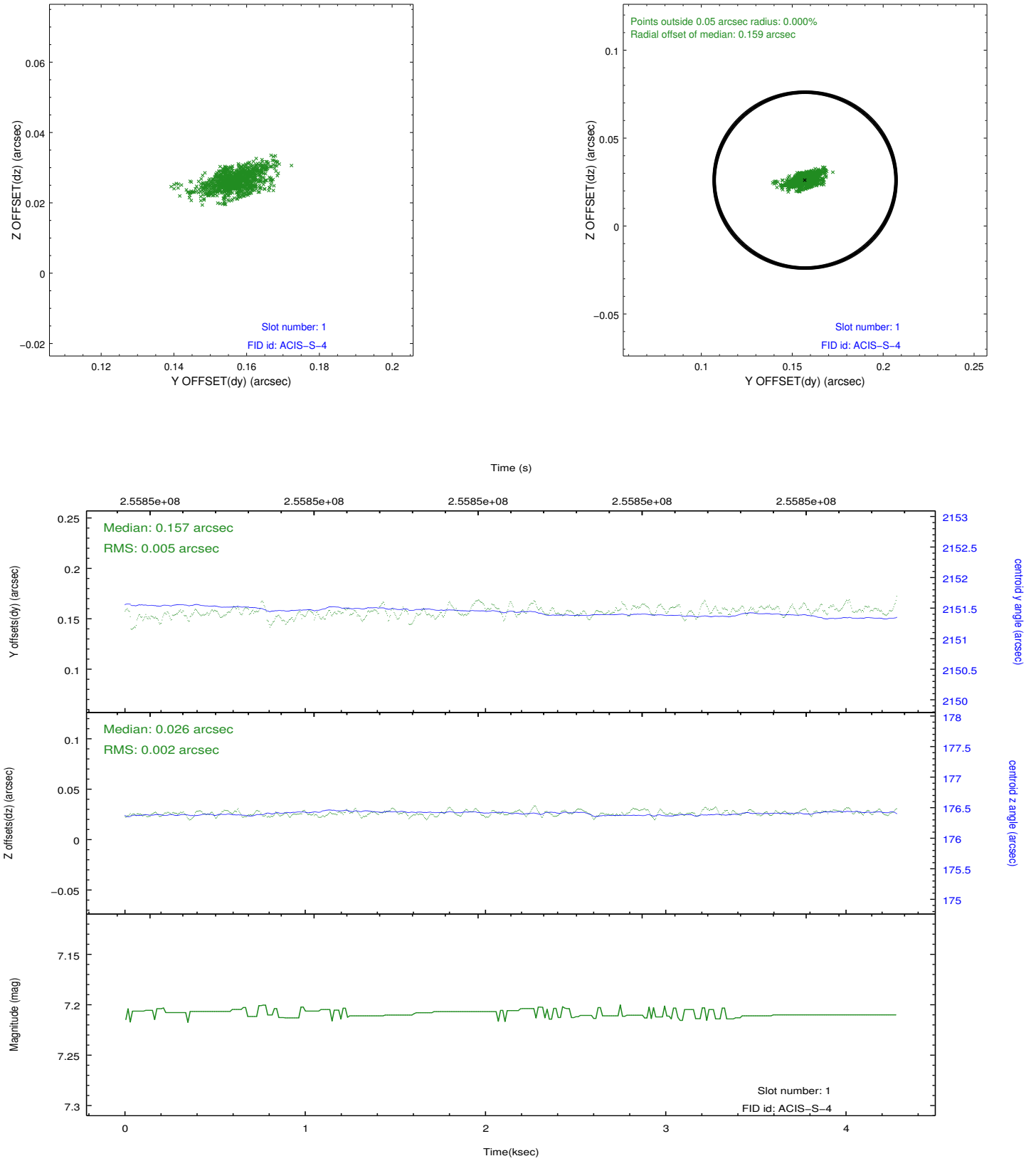


2.5 FID Slots

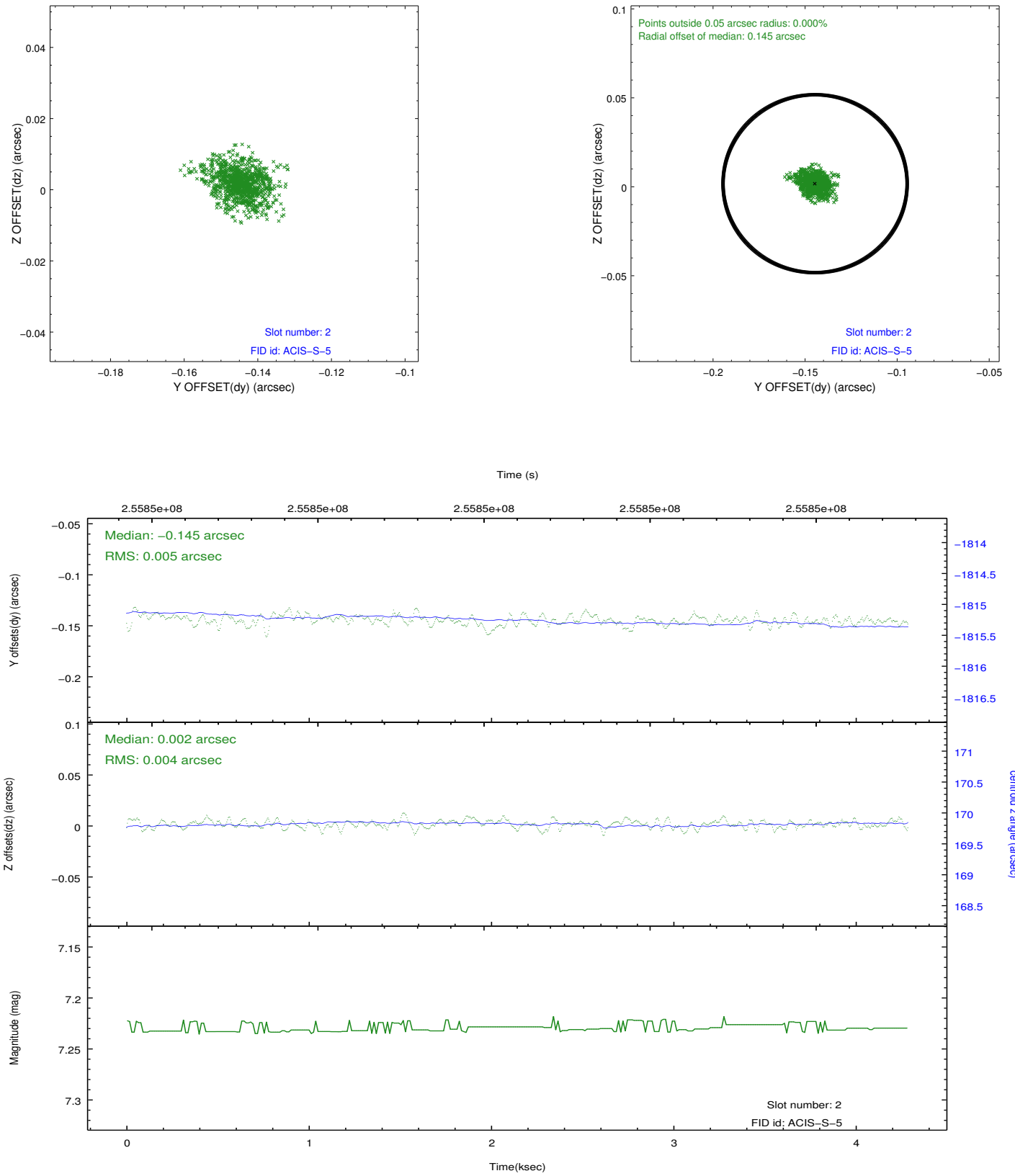
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.95519998

A.2 Comments