

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6823 - L2 Version 2
Chandra X-Ray Center

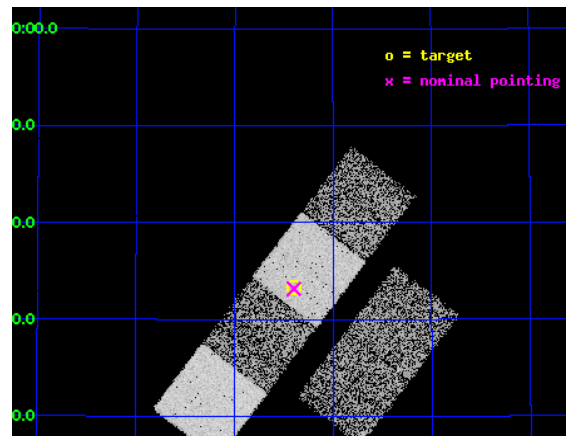
L2 Processing Date : Apr 9 2012

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1 Front

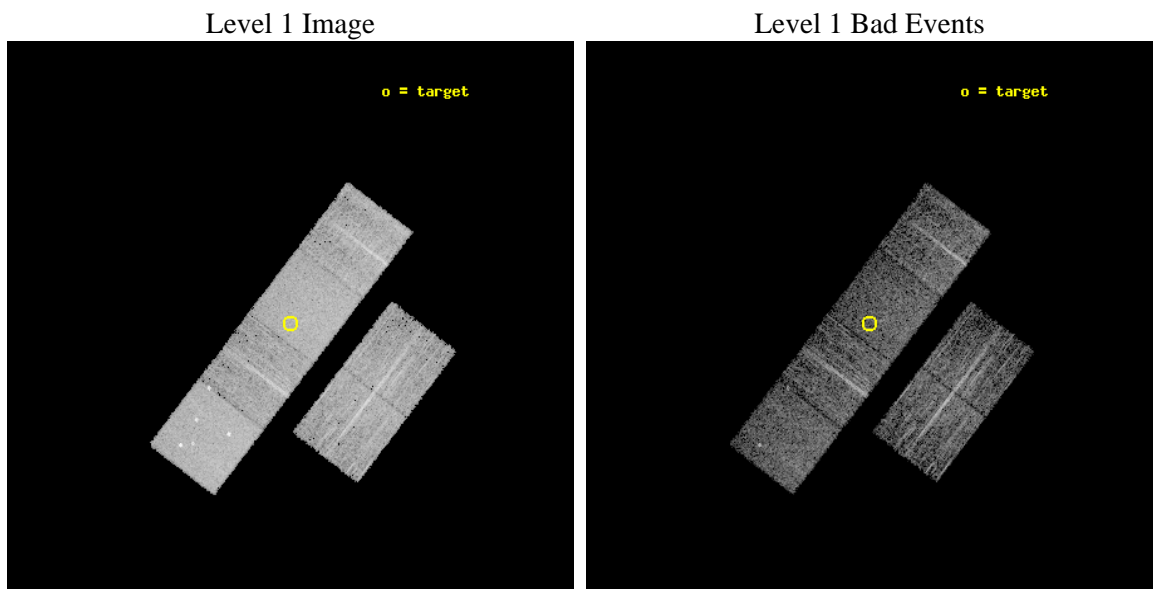
seq_num	701241	Sequence number
obs_id	6823	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1421+4633	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.35	Observer's specified target RA [deg]
dec_targ	46.554944	Observer's specified target Dec [deg]
ra_nom	215.34934283047	Nominal RA [deg]
dec_nom	46.55289907953	Nominal Dec [deg]
roll_nom	307.36508655845	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3951.7999074459	Sum of GTIs [s]
livetime	3901.7598375296	Livetime [s]
ontime2	3951.8409474492	Sum of GTIs [s]
ontime3	3951.676787436	Sum of GTIs [s]
ontime5	3951.7588674426	Sum of GTIs [s]
ontime6	3951.7178274393	Sum of GTIs [s]
ontime7	3951.7999074459	Sum of GTIs [s]
ontime8	3951.6357474327	Sum of GTIs [s]
l2events	58126	Number of level 2 events



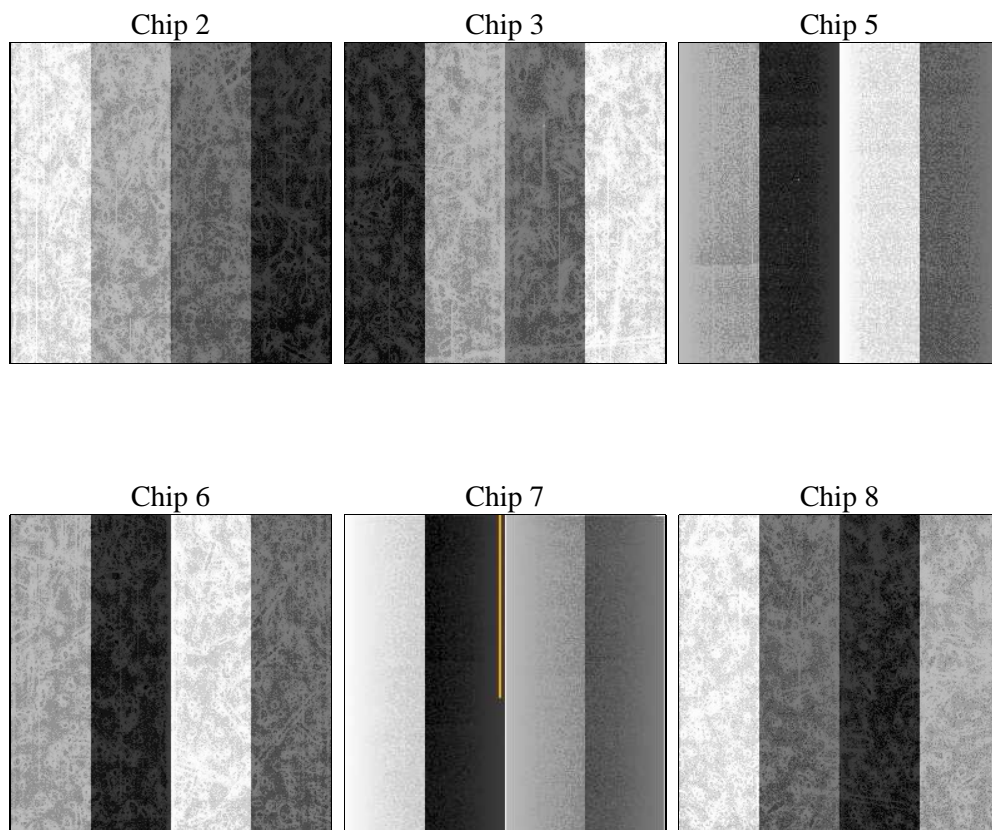
2 OBI

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	3951.7999074459	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3951.8409474492	Sum of GTIs [s]
date	2012-04-09T15:33:00	Date and time of file creation	ontime3	3951.676787436	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3951.7588674426	Sum of GTIs [s]
			ontime6	3951.7178274393	Sum of GTIs [s]
			ontime7	3951.7999074459	Sum of GTIs [s]
			ontime8	3951.6357474327	Sum of GTIs [s]
			l1events	257817	Number of level 1 events

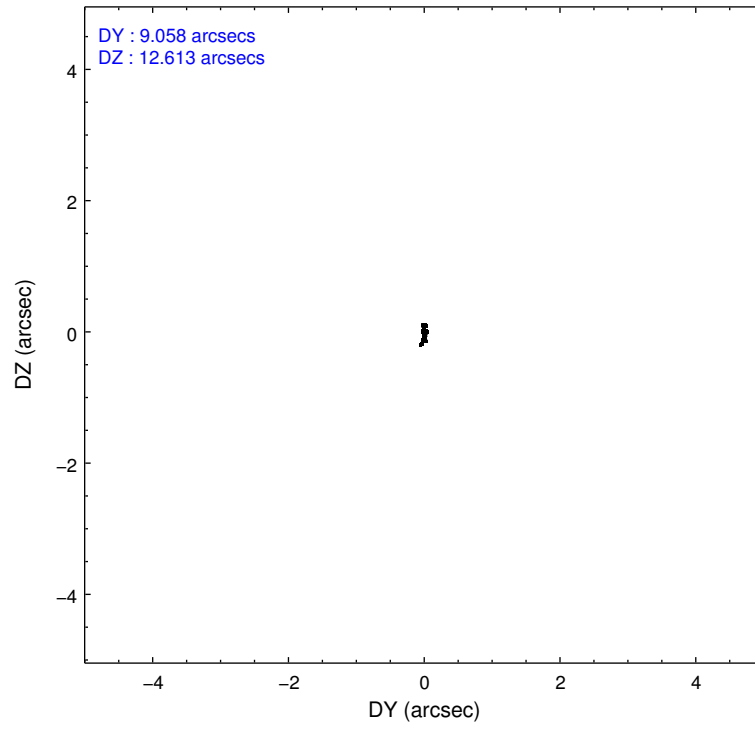
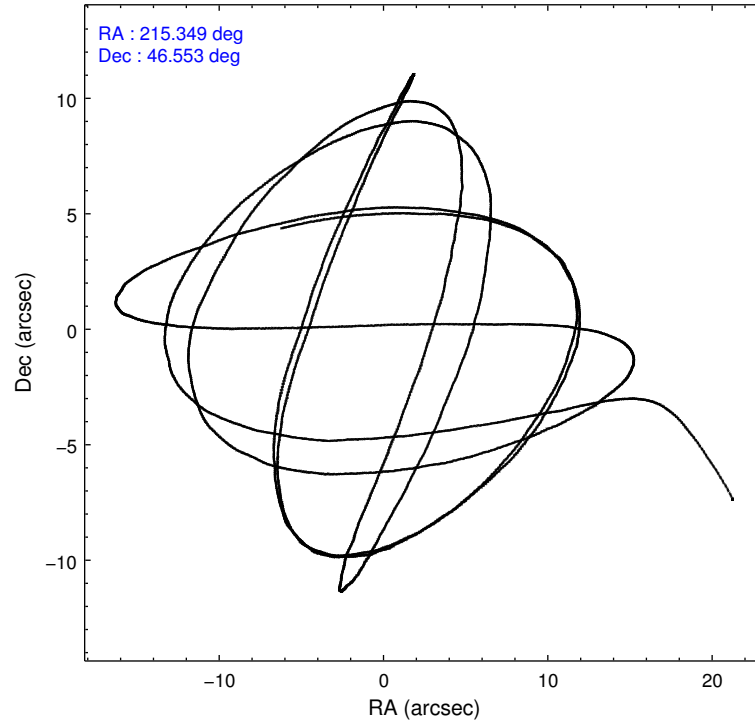
2.1.4 Events

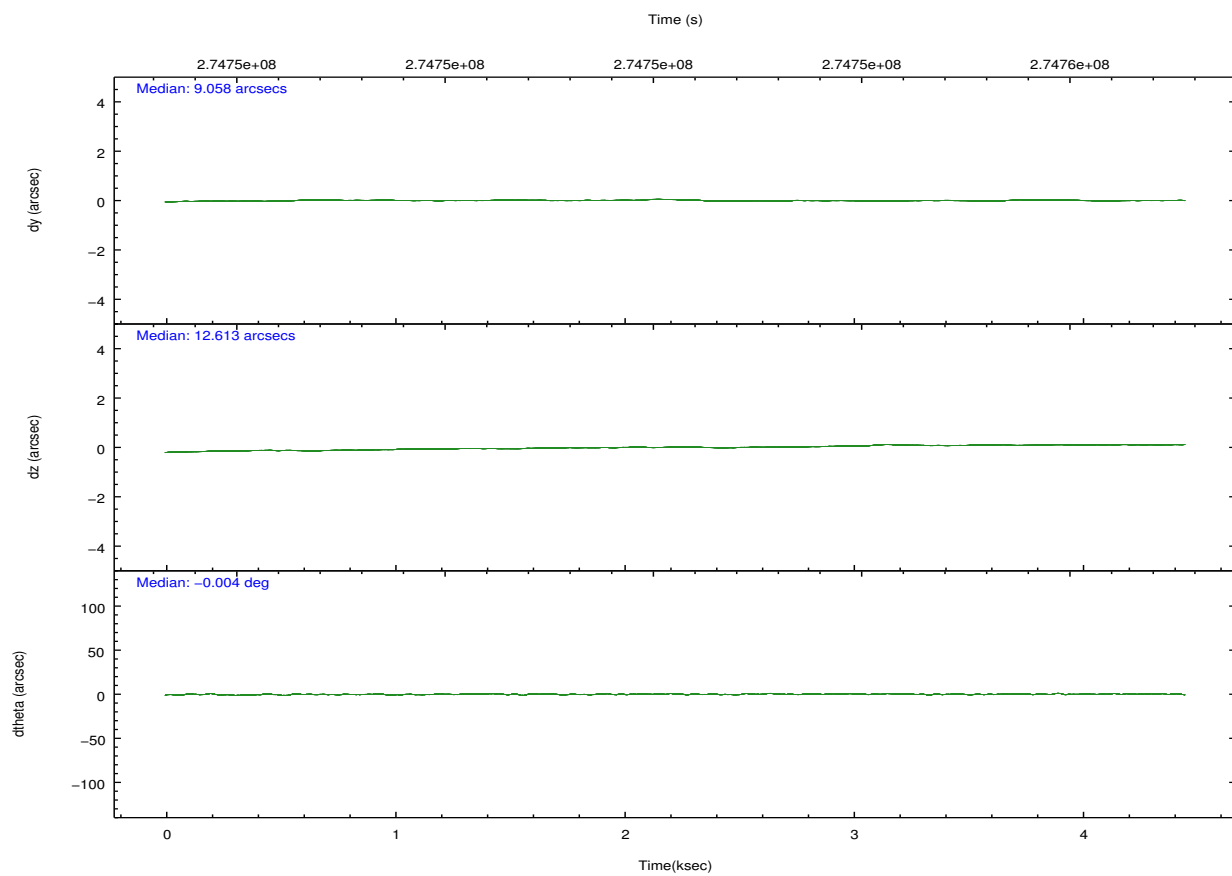
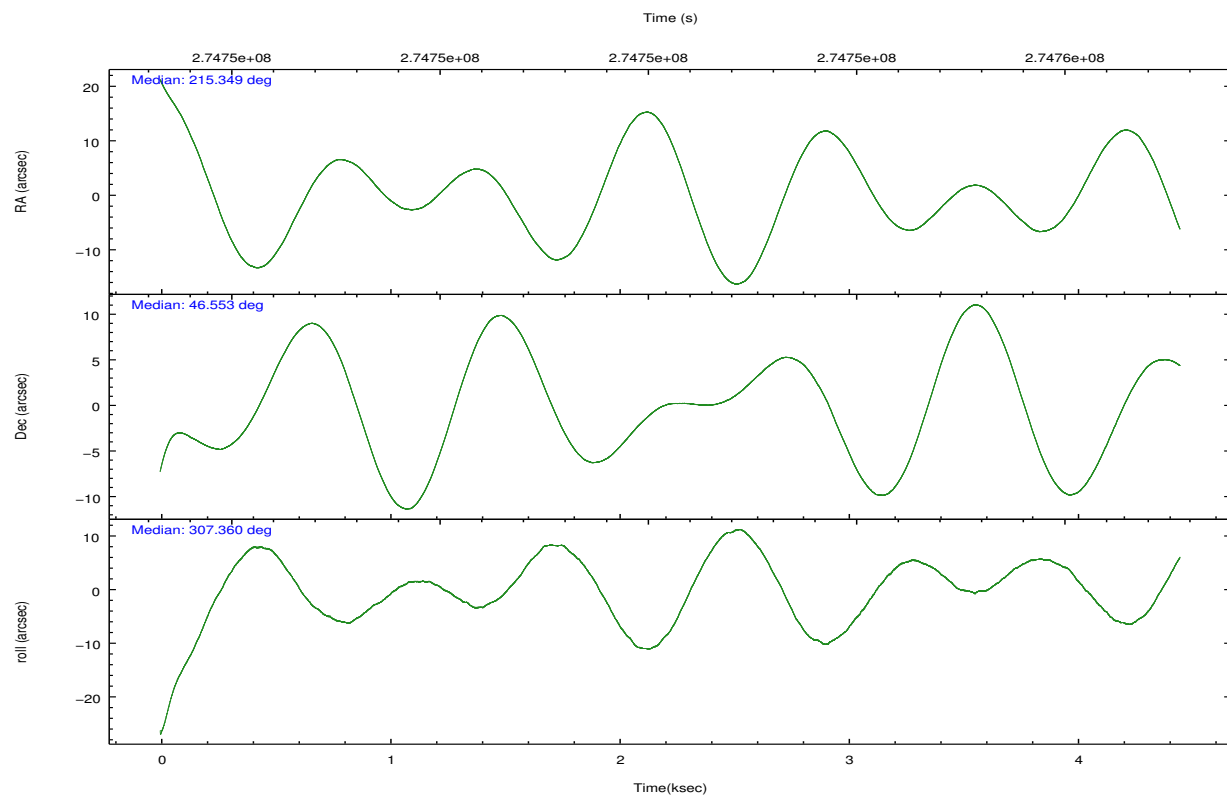
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	38836	35046	55834	36094	48346	43661	grade 0 events	1978	1783	3076	1660	1787	3245
rejected events	34438	30918	29670	31845	28280	33757		5%	5%	5%	4%	3%	7%
rejected %	88%	88%	53%	88%	58%	77%	grade 1 events	20	18	142	24	41	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	925	805	7978	916	3993	2093
								2%	2%	14%	2%	8%	4%
							grade 3 events	388	406	906	411	1755	1079
								0%	1%	1%	1%	3%	2%
							grade 4 events	418	407	870	406	1683	1019
								1%	1%	1%	1%	3%	2%
							grade 5 events	1384	1622	3822	1679	4650	2132
								3%	4%	6%	4%	9%	4%
							grade 6 events	693	732	13375	863	10881	2472
								1%	2%	23%	2%	22%	5%
							grade 7 events	33030	29273	25665	30135	23556	31592
								85%	83%	45%	83%	48%	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	215.312406	215.3493428304693	Subarray requested	NONE	NONE
[deg] Pointing Dec	46.563074	46.55289907952995	Alternating exposures requested	N	N
[deg] Pointing Roll	307.235304	307.3650865584549	[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)	274751322.184000	274750229.36861			
Observation start date	2006-09-15T23:47:37	2006-09-15T23:30:29			
[s] Observation end time (MET)	274755322.184000	274755767.95637			
Observation end date	2006-09-16T00:54:17	2006-09-16T01:02:47			
Read mode	TIMED	TIMED			

2.3 Aspect



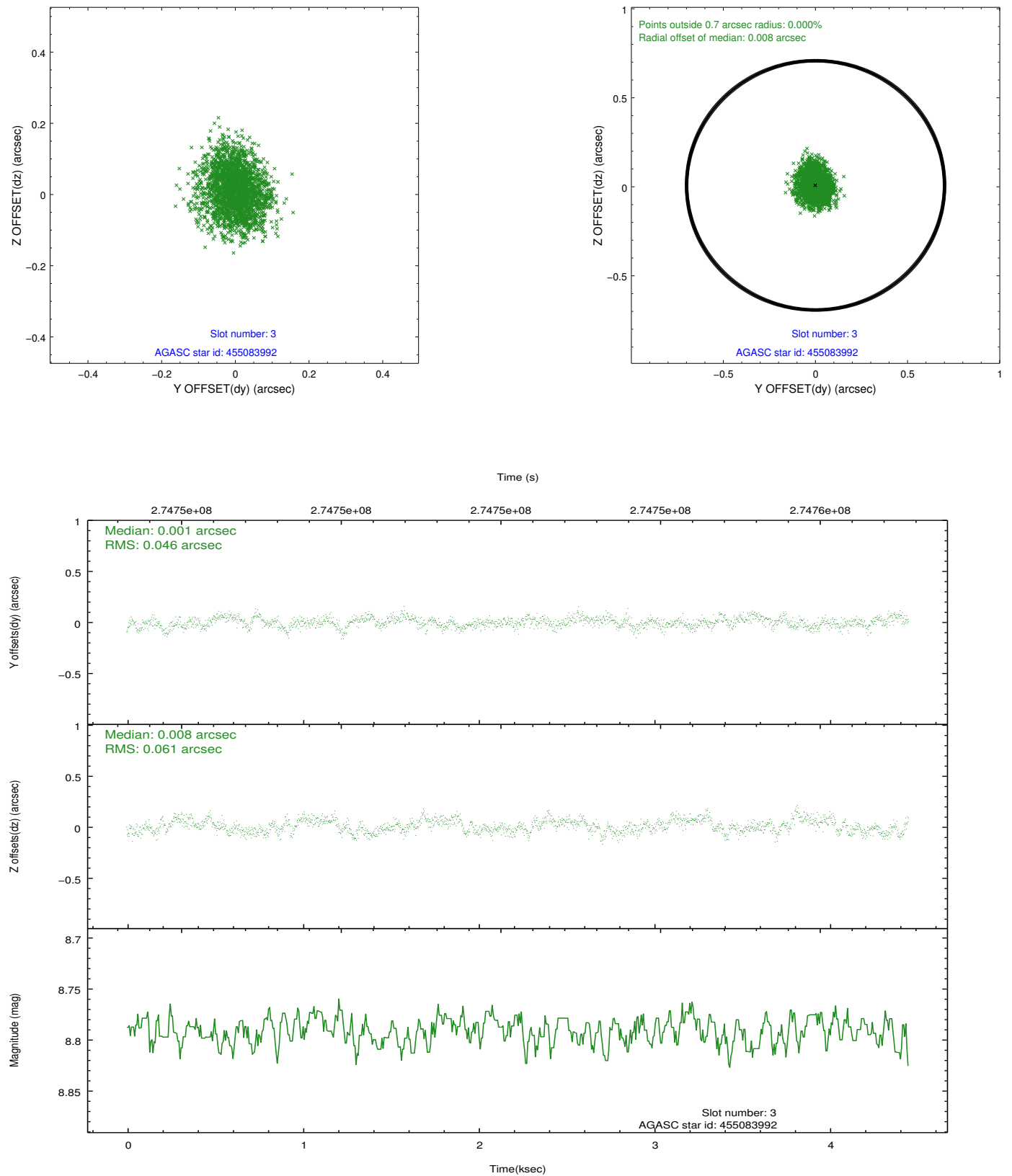


Slot Statistics

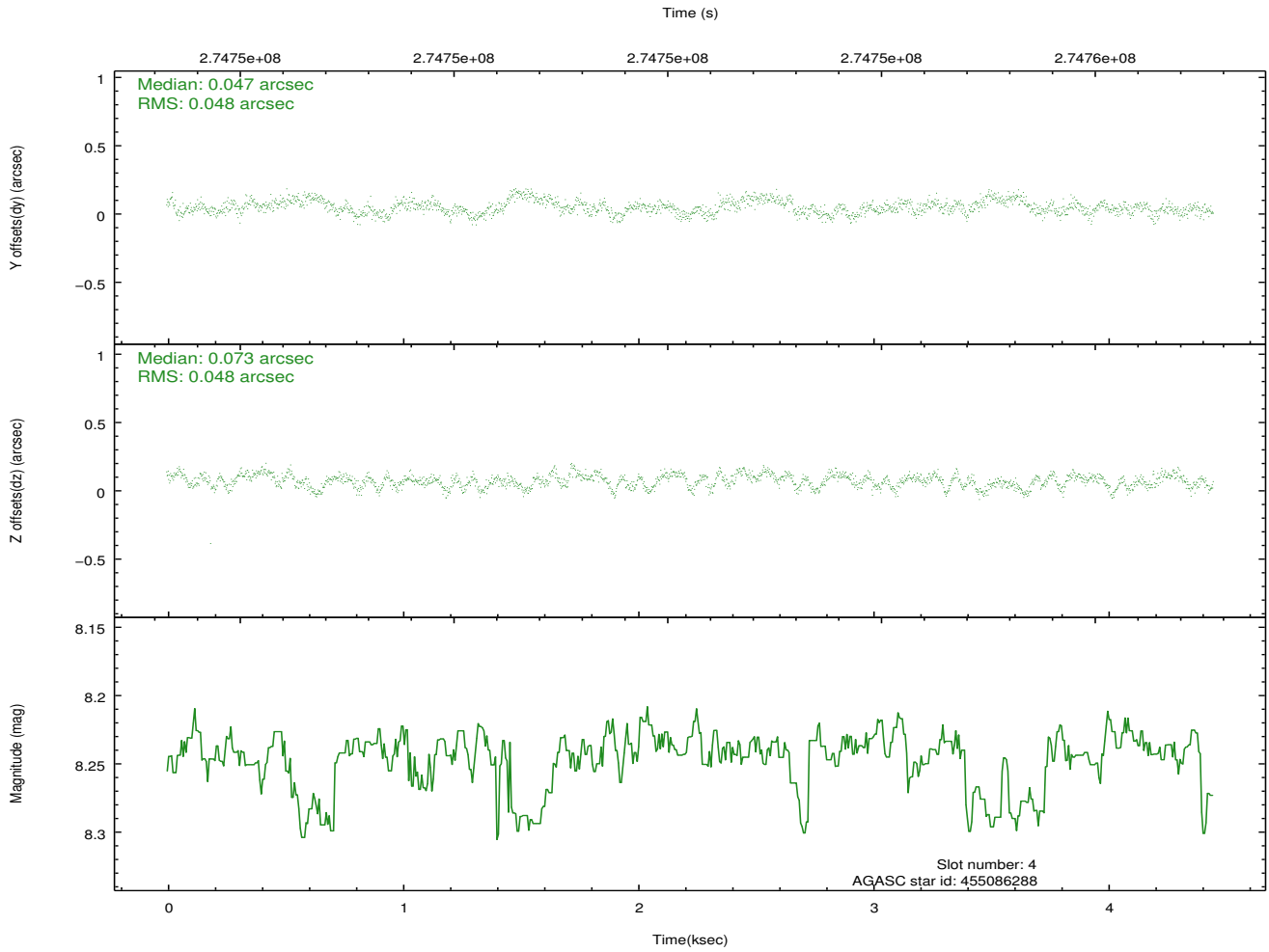
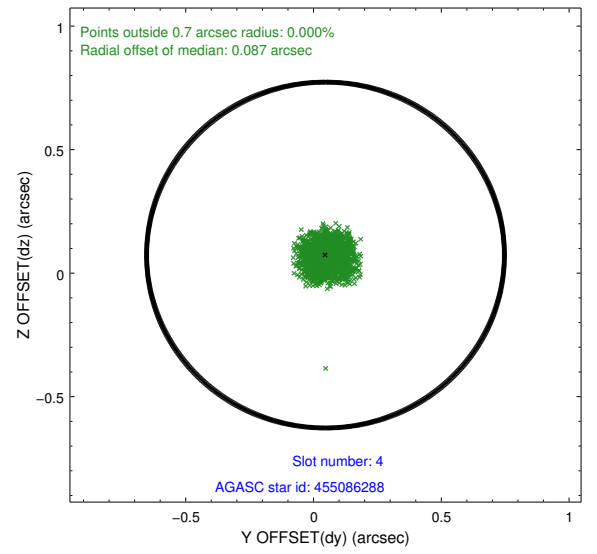
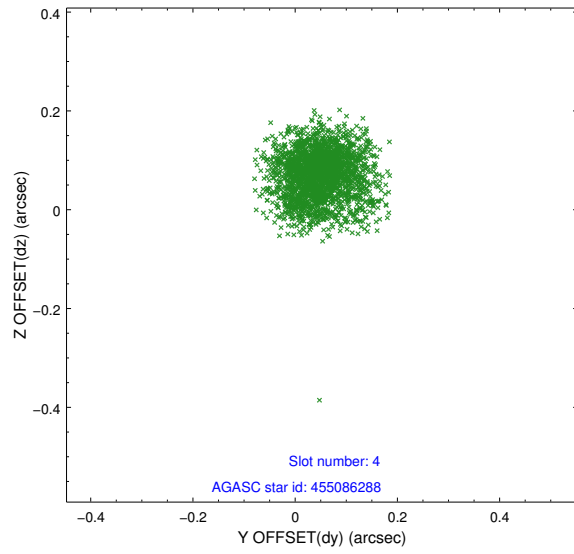
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1086	-0.013	-0.044	0.007	0.012	0.000000	0.000000	-761.89	-1733.91
1	FID	ACIS-S-4	7.20	1085	0.136	0.018	0.005	0.011	0.000000	0.000000	2150.92	173.17
2	FID	ACIS-S-5	7.23	1086	-0.155	0.035	0.007	0.011	0.000000	0.000000	-1813.08	168.48
3	GUIDE	455083992	8.79	2172	0.001	0.008	0.084	0.130	214.489170	46.384559	-733.80	-2010.31
4	GUIDE	455086288	8.24	2171	0.047	0.073	0.073	0.115	215.702797	46.116120	1868.53	-197.33
5	GUIDE	455089024	8.06	2172	-0.004	-0.102	0.066	0.103	216.032003	46.769703	475.07	1866.69
6	GUIDE	455090032	8.06	2170	0.021	-0.002	0.066	0.105	214.125860	46.552613	-1764.42	-2347.42
7	GUIDE	455090072	8.75	2171	-0.060	0.033	0.116	0.172	214.631275	46.089411	321.98	-2382.42

2.4 Star Slots

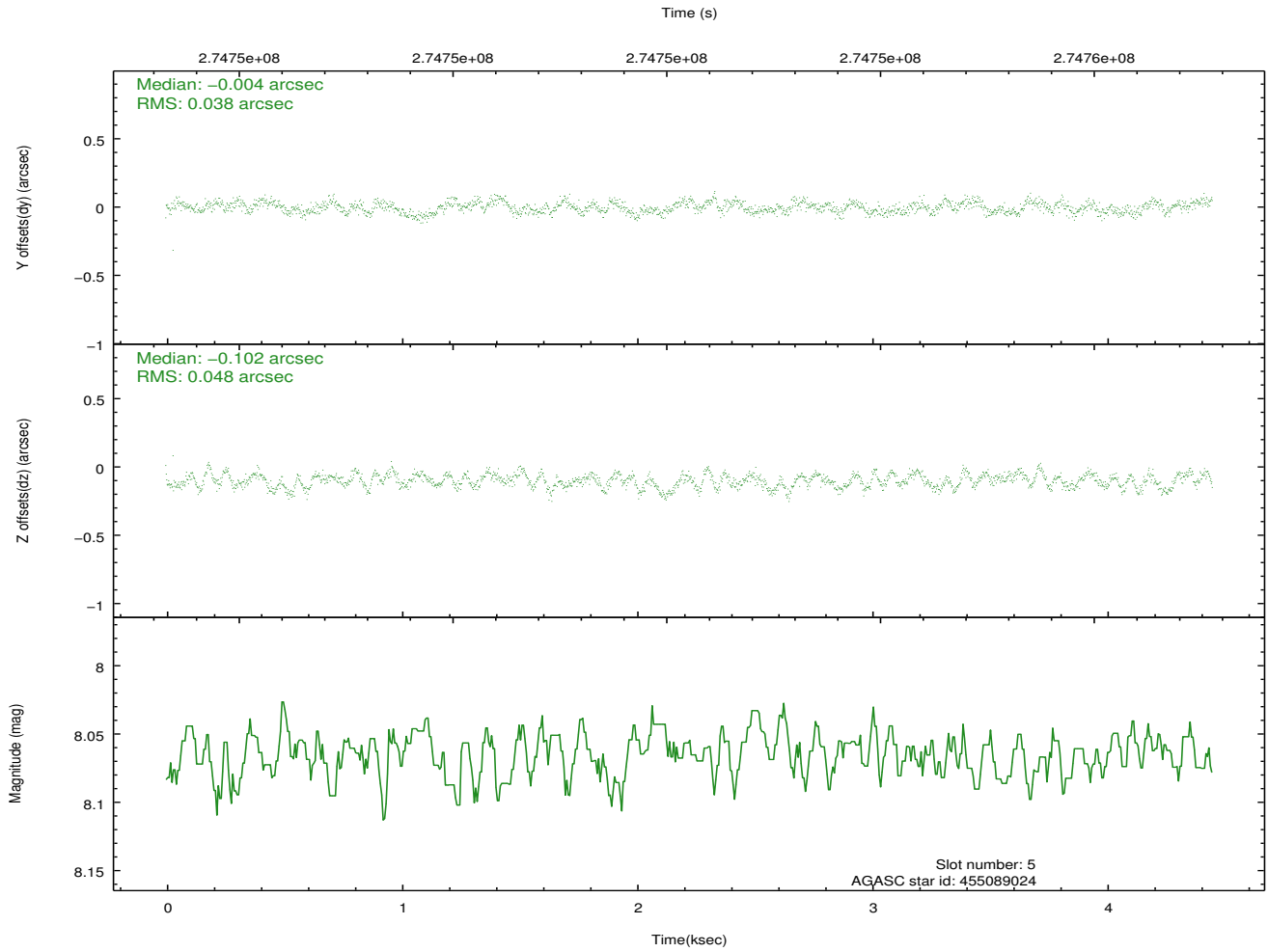
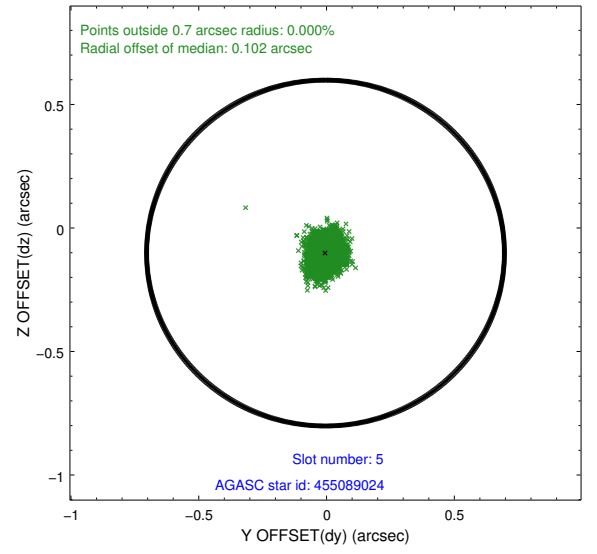
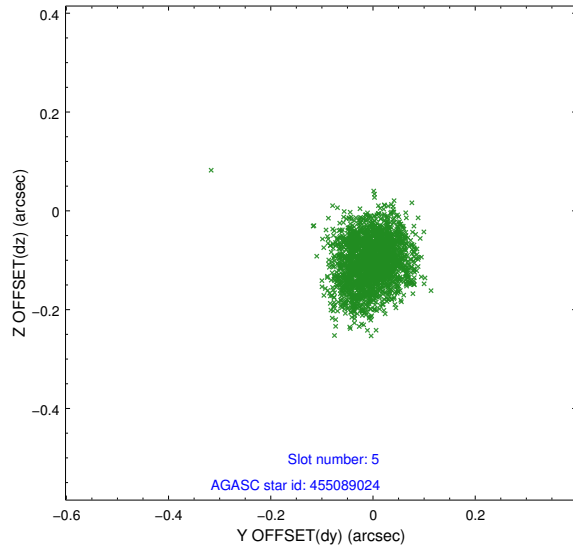
2.4.1 Slot 3



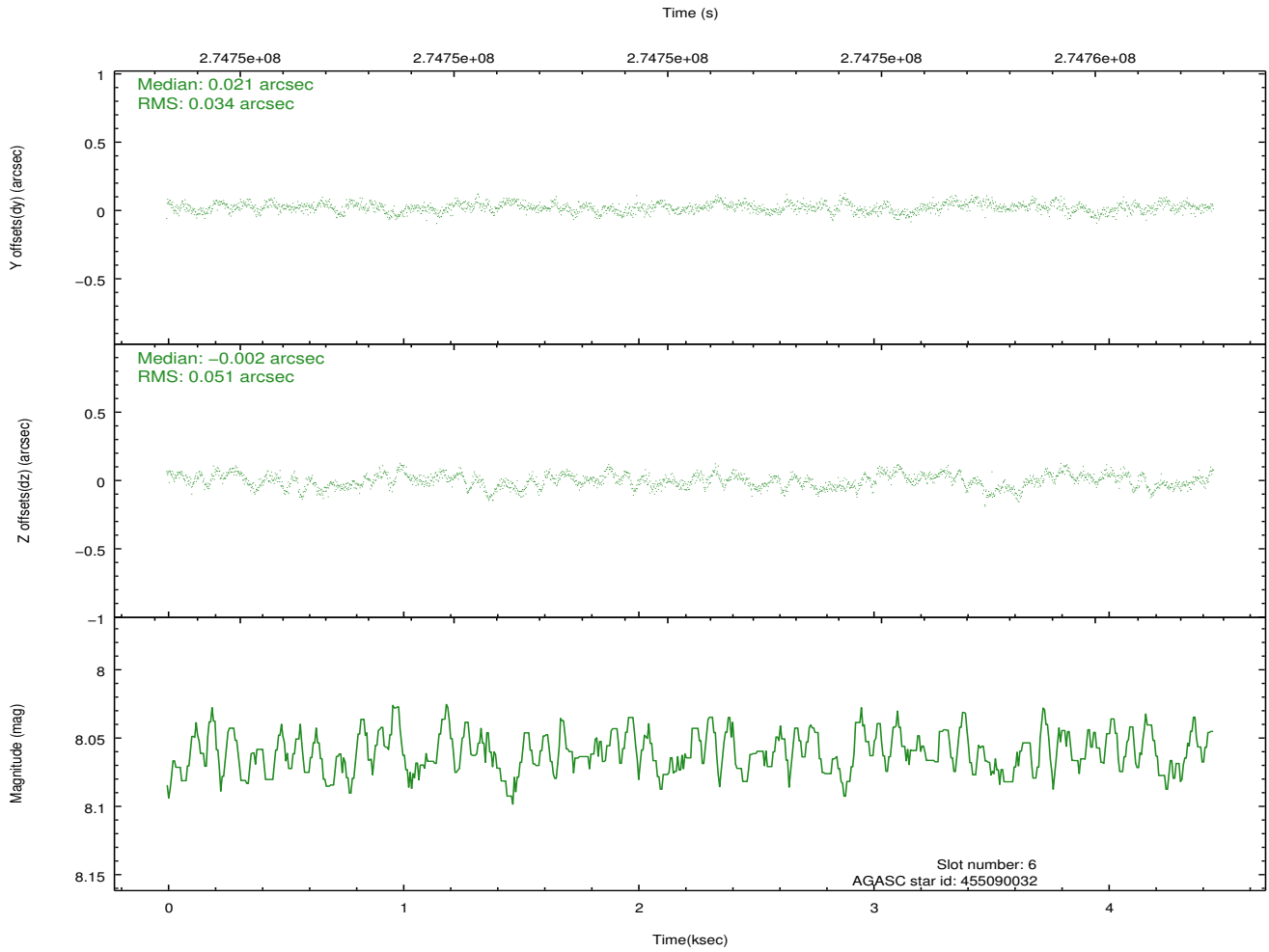
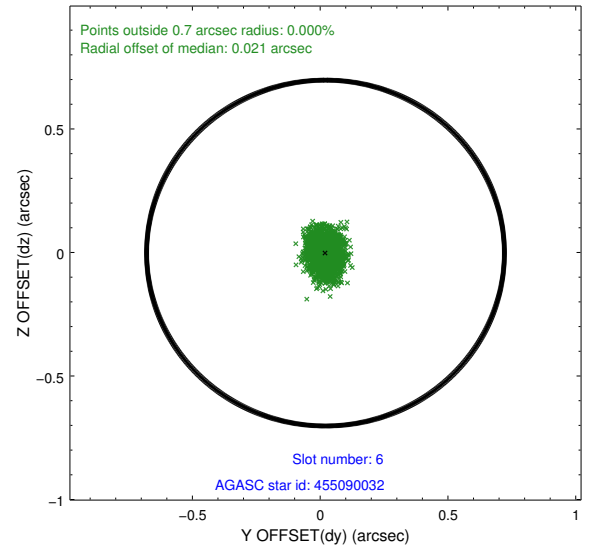
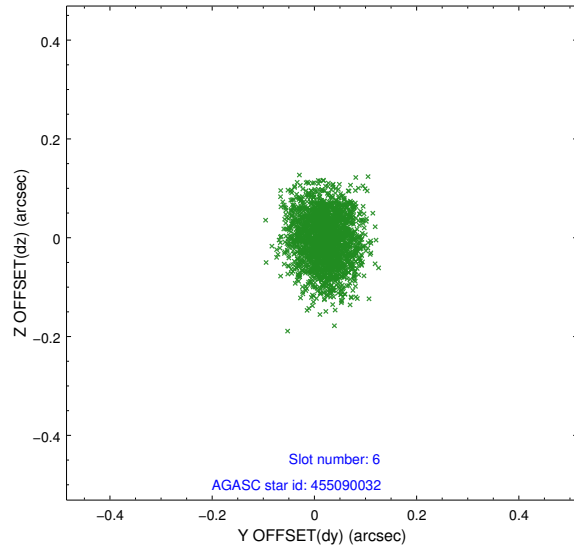
2.4.2 Slot 4



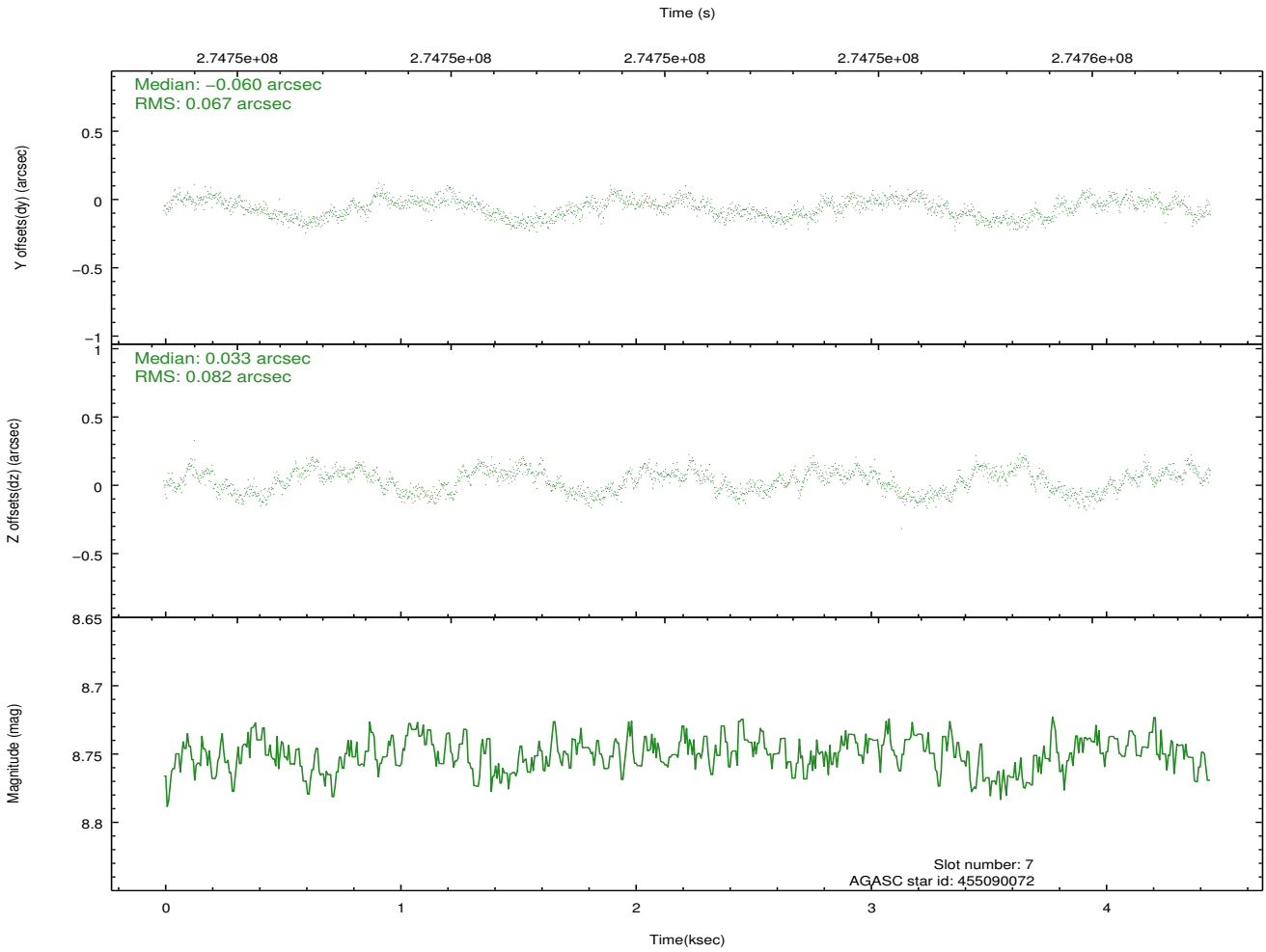
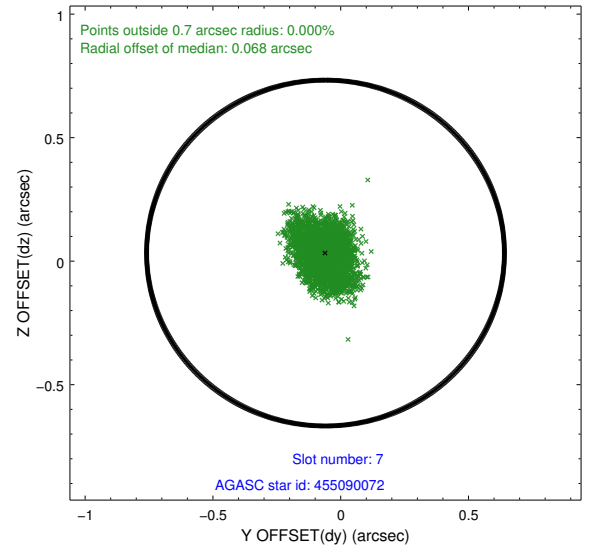
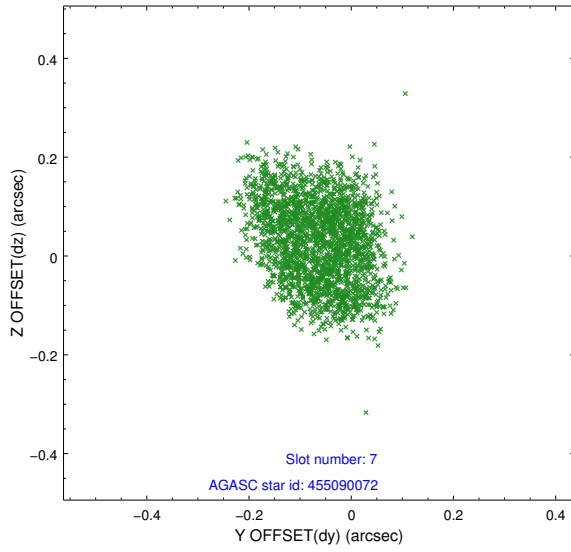
2.4.3 Slot 5



2.4.4 Slot 6

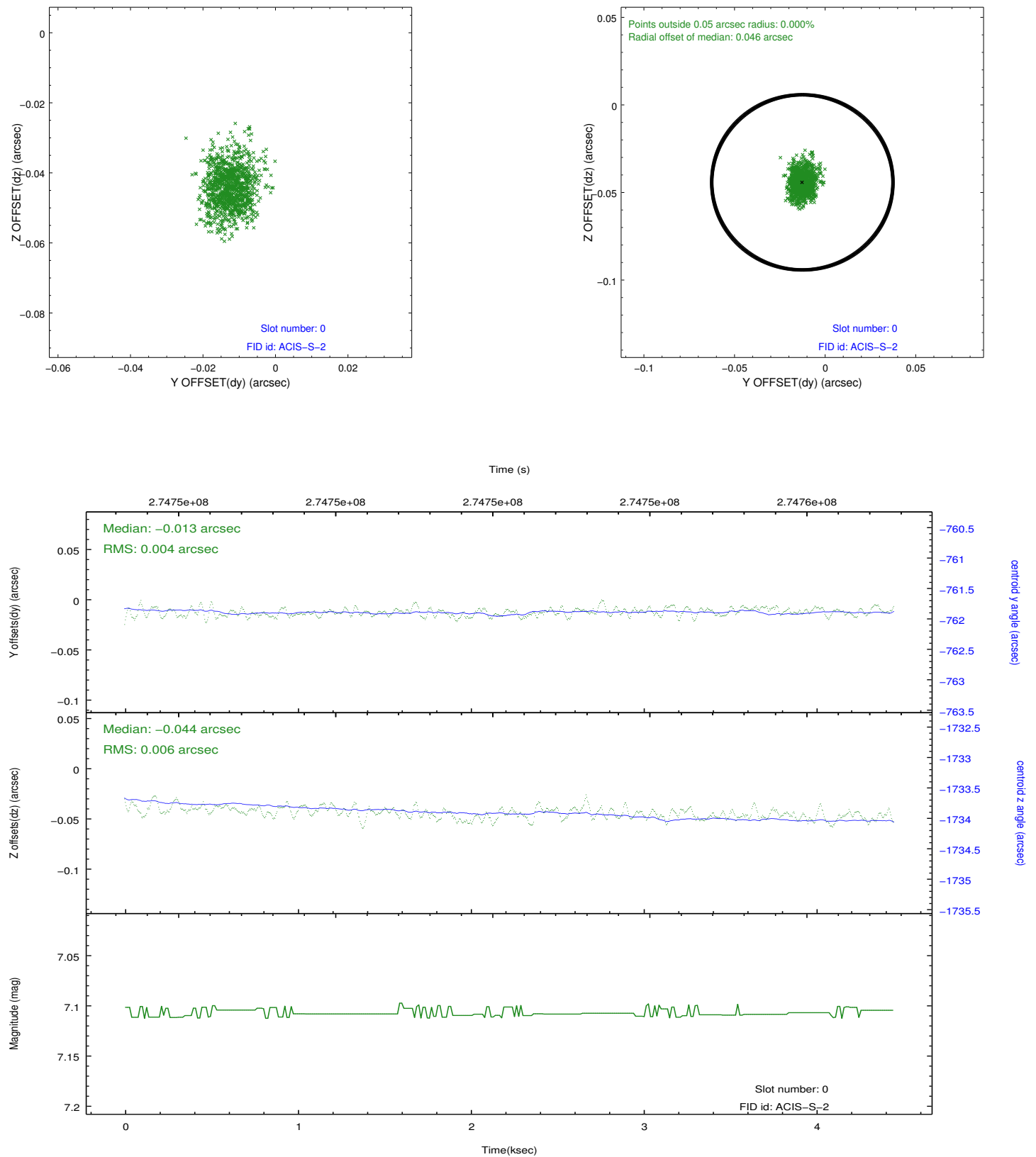


2.4.5 Slot 7

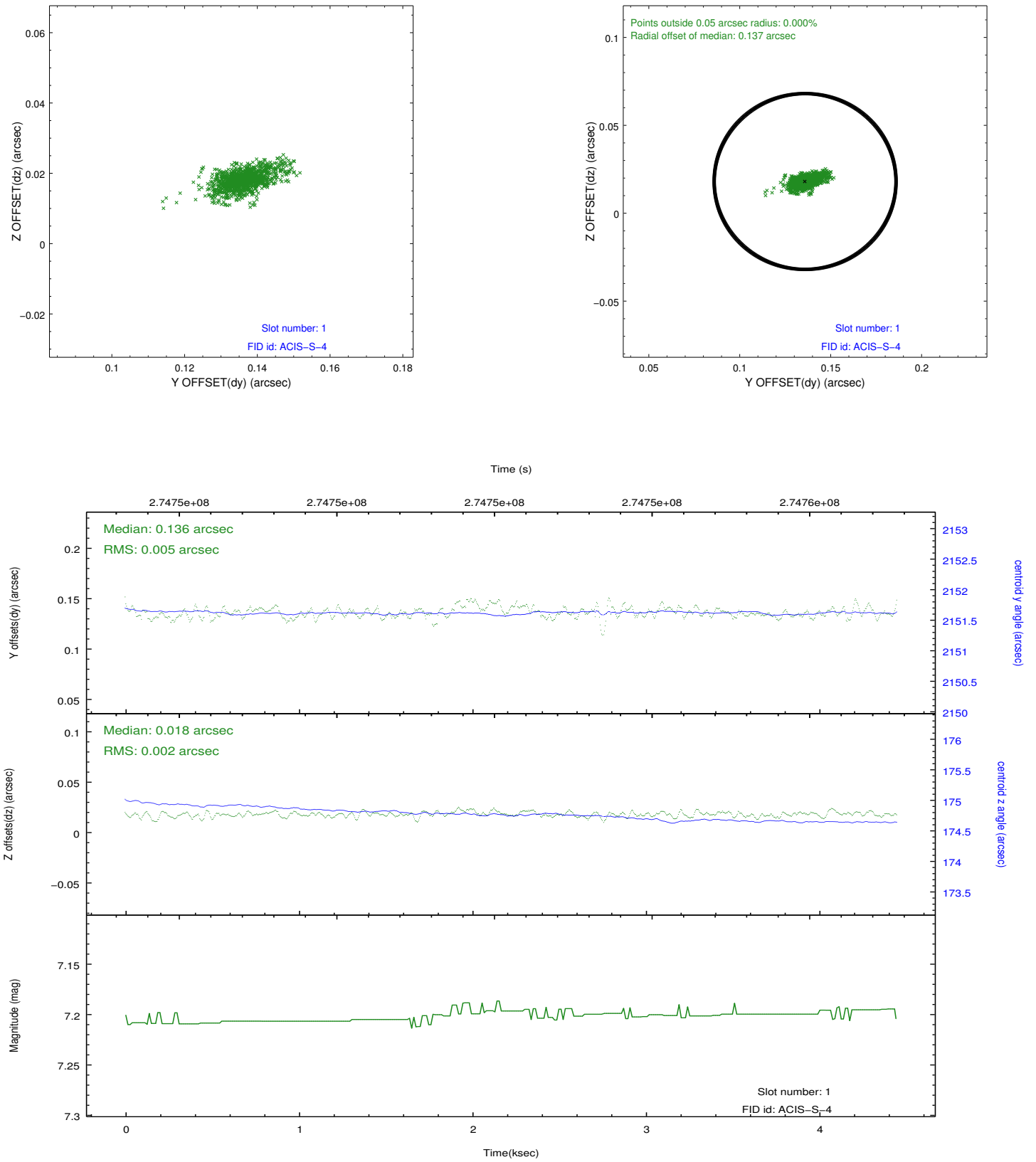


2.5 FID Slots

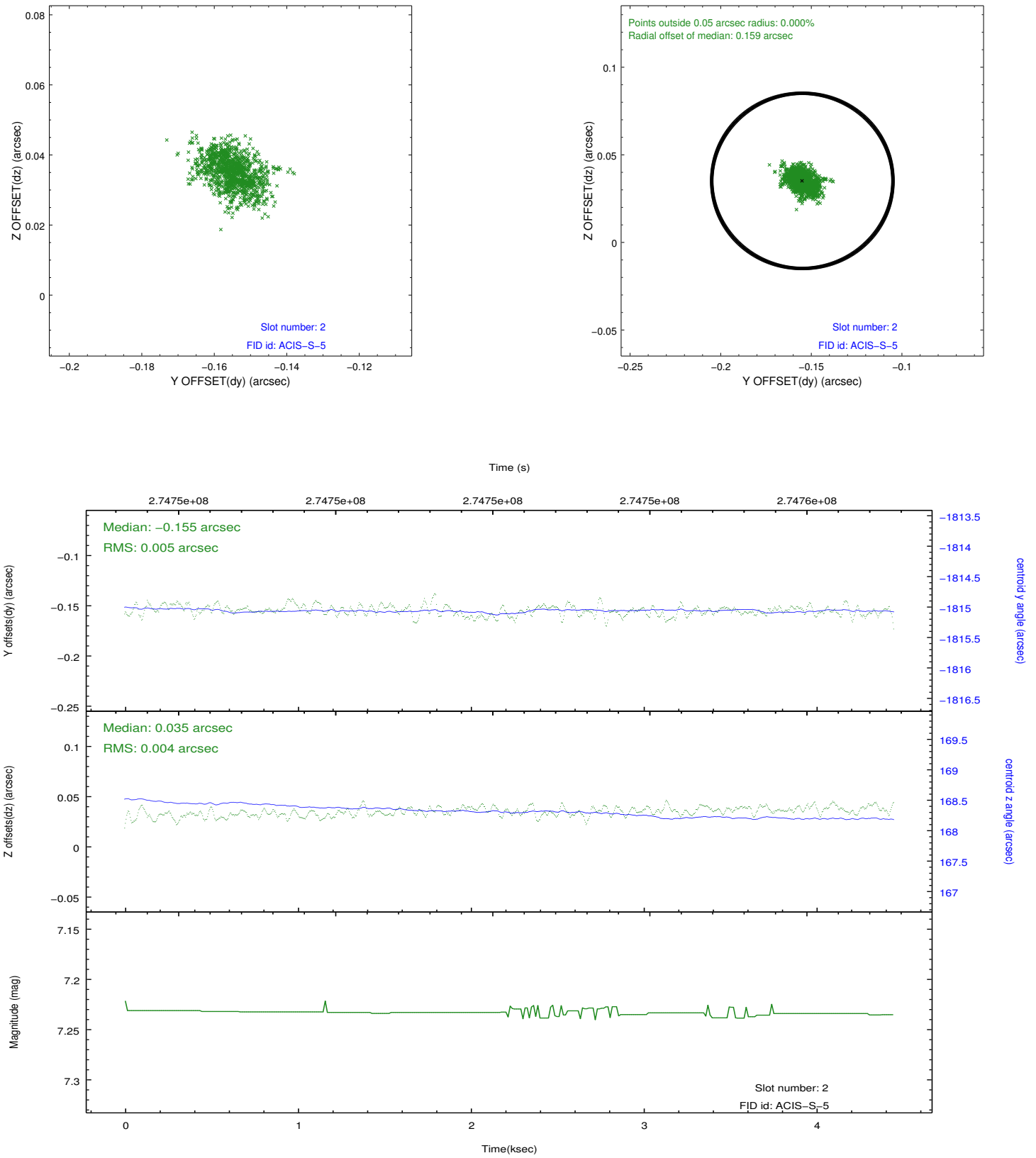
2.5.1 Slot 0



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	3.95199998

A.2 Comments