

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8465 - L2 Version 2
Chandra X-Ray Center

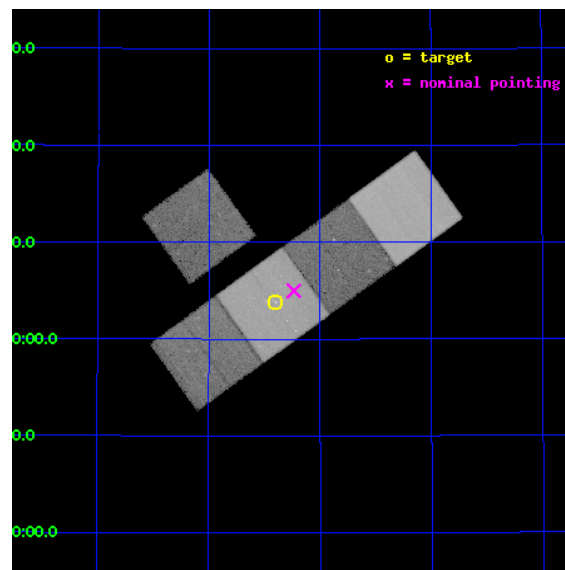
L2 Processing Date : May 2 2012

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1 Front

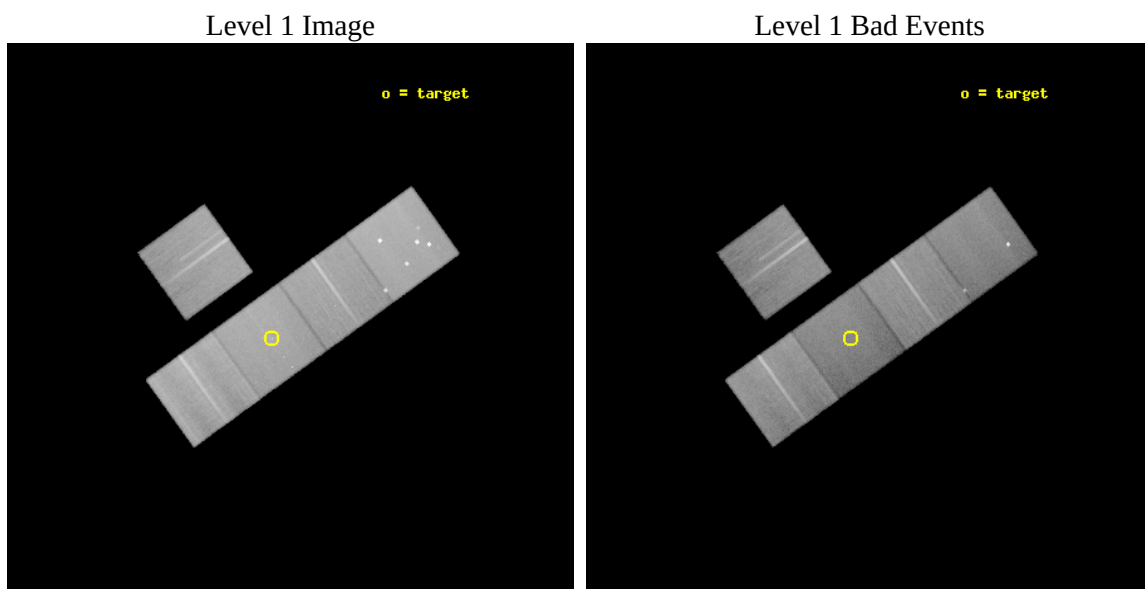
seq_num	600634	Sequence number
obs_id	8465	Observation id
title	Deep Chandra and Hubble Observations of NGC 1023: Testing the Origin of Low-Mass X-ray Binaries in a Lenticular Galaxy	Proposal title
observer	Prof. Gregory Sivakoff	Principal investigator
object	NGC1023	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.1	Observer's specified target RA [deg]
dec_targ	39.06325	Observer's specified target Dec [deg]
ra_nom	40.059010956822	Nominal RA [deg]
dec_nom	39.083171351277	Nominal Dec [deg]
roll_nom	144.22631225246	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45756.000351906	Sum of GTIs [s]
livetime	45158.164522231	Livetime [s]
ontime3	45746.577371001	Sum of GTIs [s]
ontime5	45756.000351906	Sum of GTIs [s]
ontime6	45749.718381345	Sum of GTIs [s]
ontime7	45756.000351906	Sum of GTIs [s]
ontime8	45746.577510417	Sum of GTIs [s]
l2events	539201	Number of level 2 events



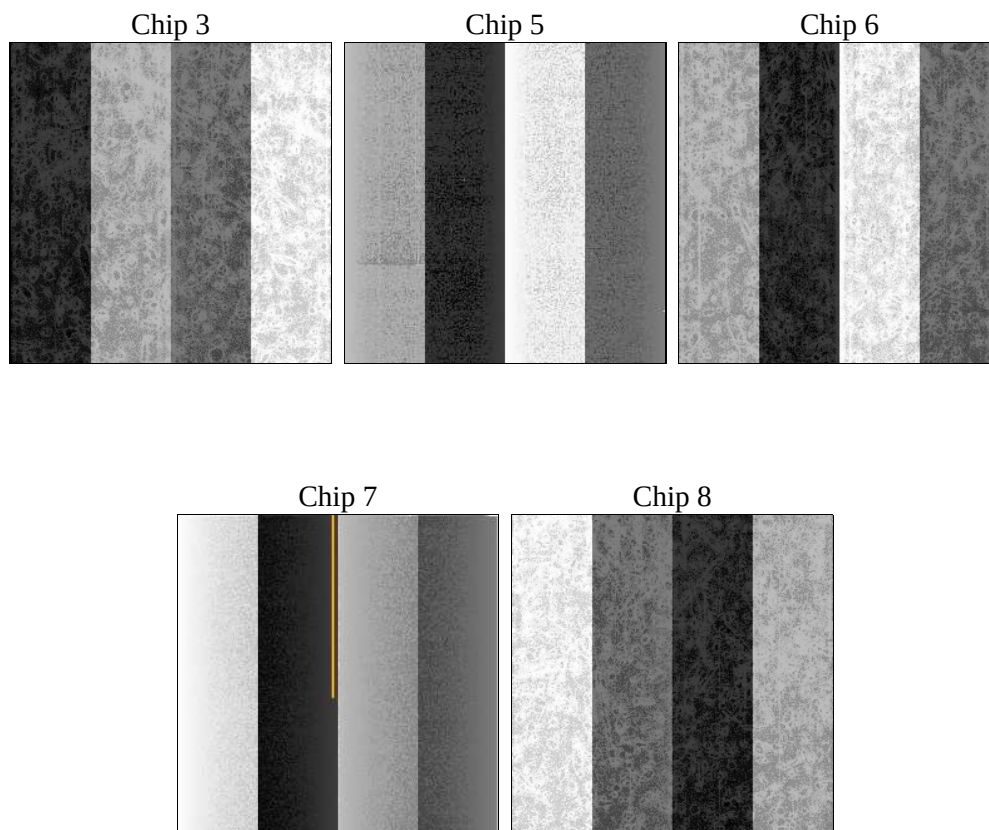
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45615.414000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	45756.000351906	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	45746.577371001	Sum of GTIs [s]
date	2012-05-02T22:21:00	Date and time of file creation	ontime5	45756.000351906	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	45749.718381345	Sum of GTIs [s]
			ontime7	45756.000351906	Sum of GTIs [s]
			ontime8	45746.577510417	Sum of GTIs [s]
			l1events	2245873	Number of level 1 events

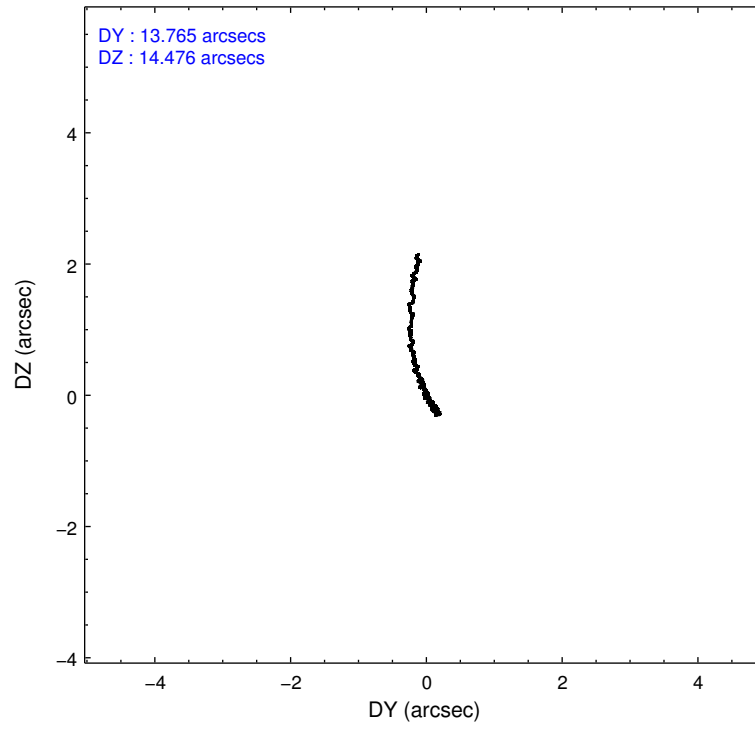
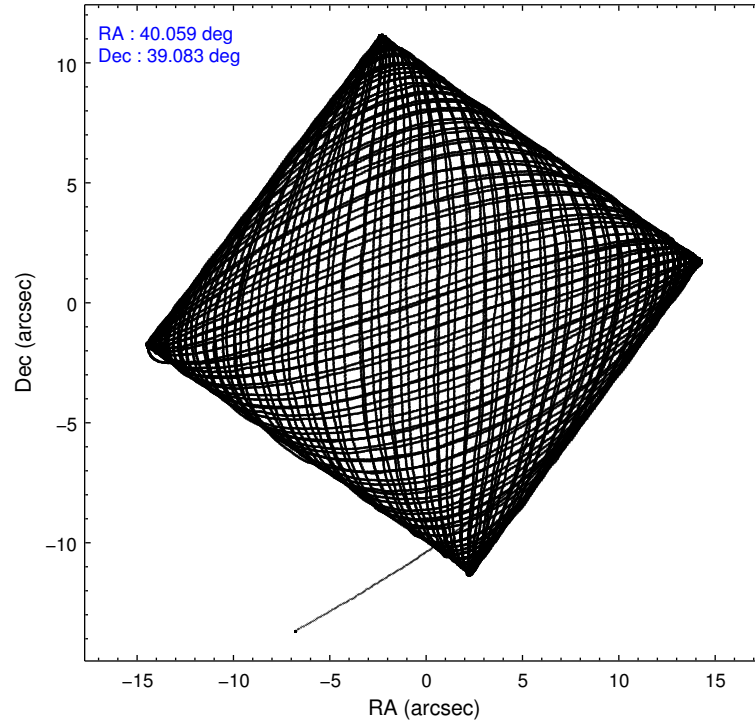
2.1.4 Events

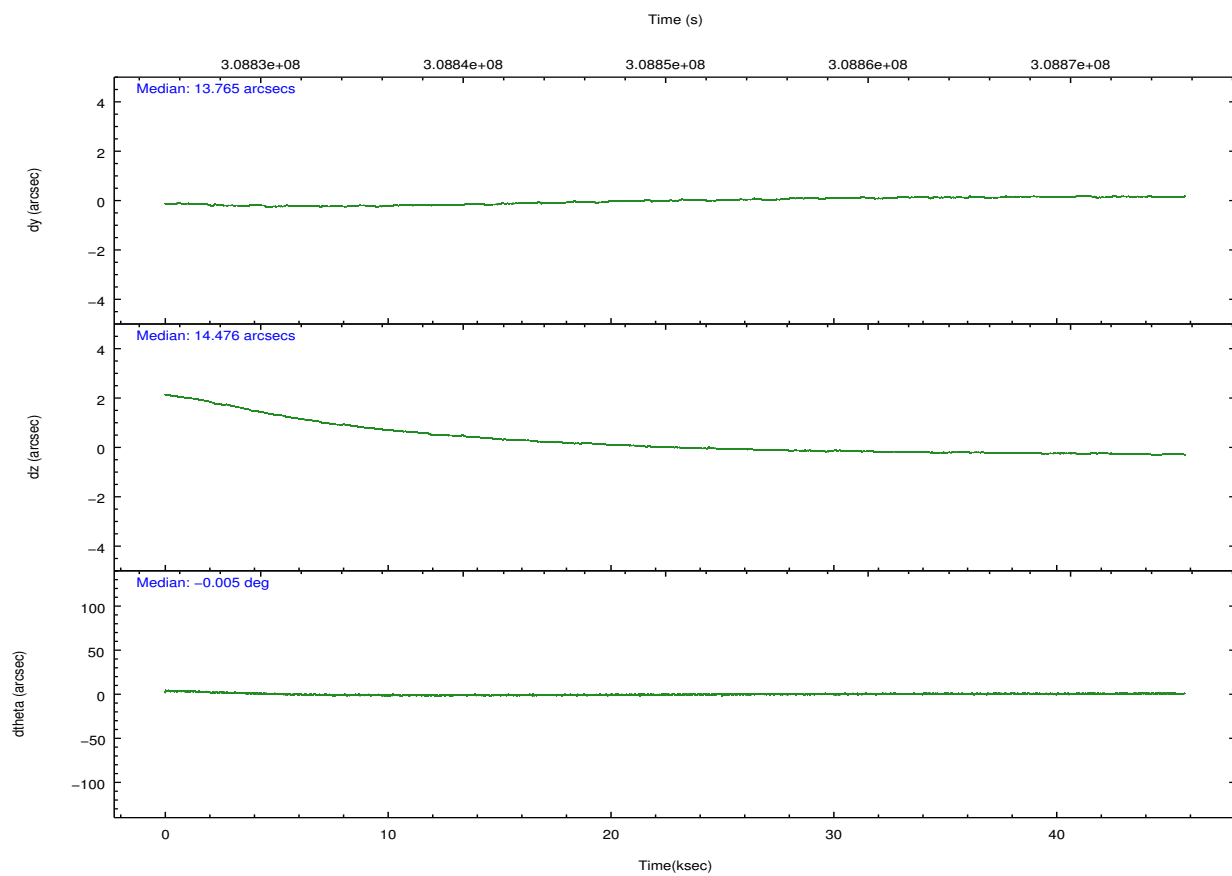
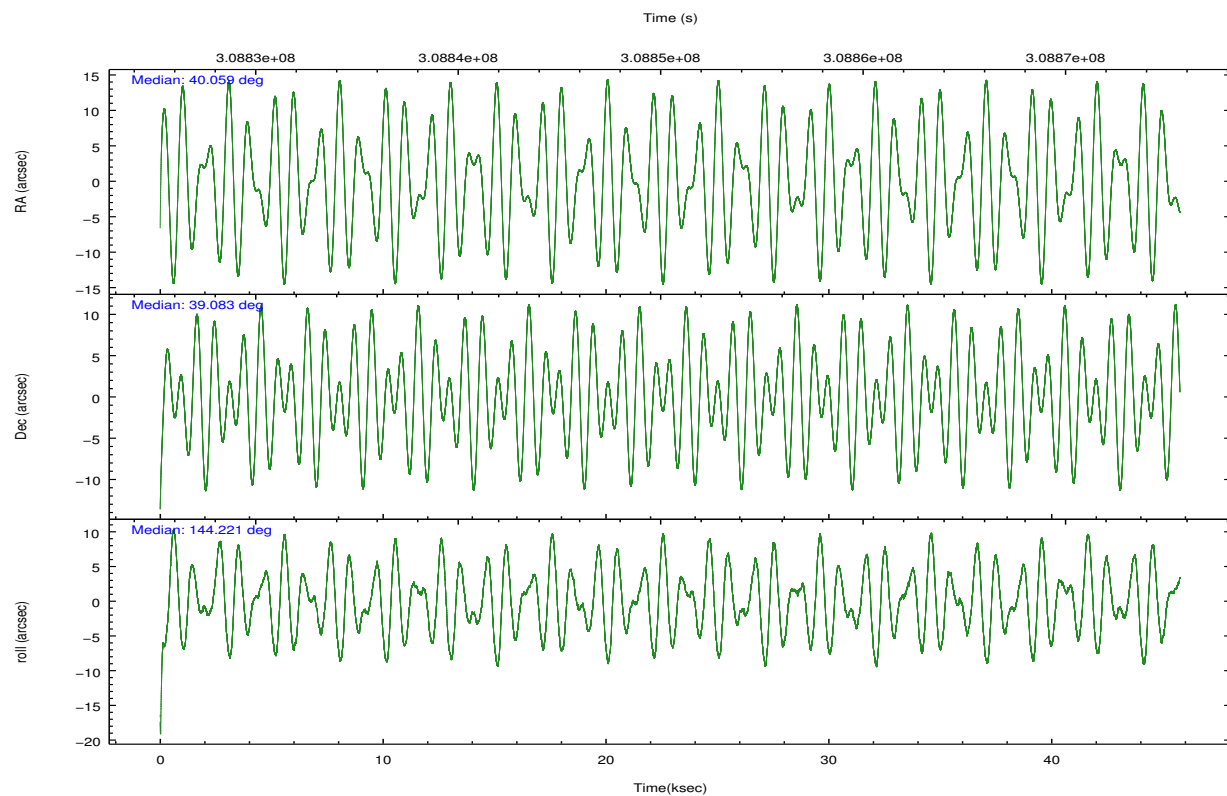
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	372091	564247	396510	429238	483787	grade 0 events	12593	52192	14033	19366	35120
rejected events	336886	273859	357145	233763	367770		3%	9%	3%	4%	7%
rejected %	90%	48%	90%	54%	76%	grade 1 events	188	1221	193	557	410
							0%	0%	0%	0%	0%
						grade 2 events	7769	81397	8687	40211	26350
							2%	14%	2%	9%	5%
						grade 3 events	4066	11350	4372	18229	12854
							1%	2%	1%	4%	2%
						grade 4 events	4116	11377	4156	18116	11642
							1%	2%	1%	4%	2%
						grade 5 events	14935	43353	15340	45009	21830
							4%	7%	3%	10%	4%
						grade 6 events	6958	136473	8470	101368	31070
							1%	24%	2%	23%	6%
						grade 7 events	321466	226884	341259	186382	344511
							86%	40%	86%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	40.094094	40.0590109568225	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.080777	39.0831713512767	Alternating exposures requested	N	N
[deg] Pointing Roll	144.047578	144.2263122524555	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	308827723.184000	308826545.61643			
Observation start date	2007-10-15T09:27:38	2007-10-15T09:09:05			
[s] Observation end time (MET)	308873338.184000	308873558.7812			
Observation end date	2007-10-15T22:07:53	2007-10-15T22:12:38			
Read mode	TIMED	TIMED			

2.3 Aspect



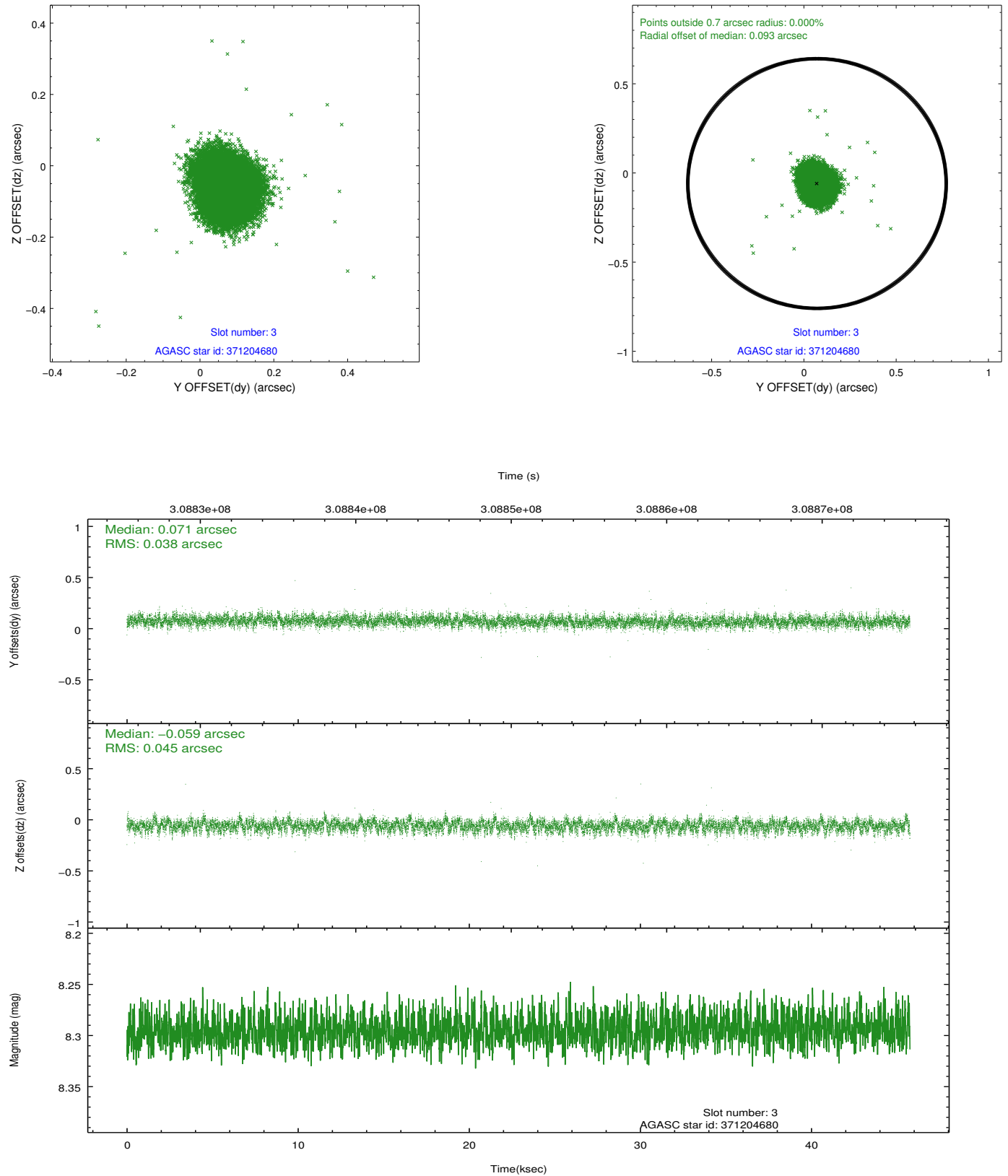


Slot Statistics

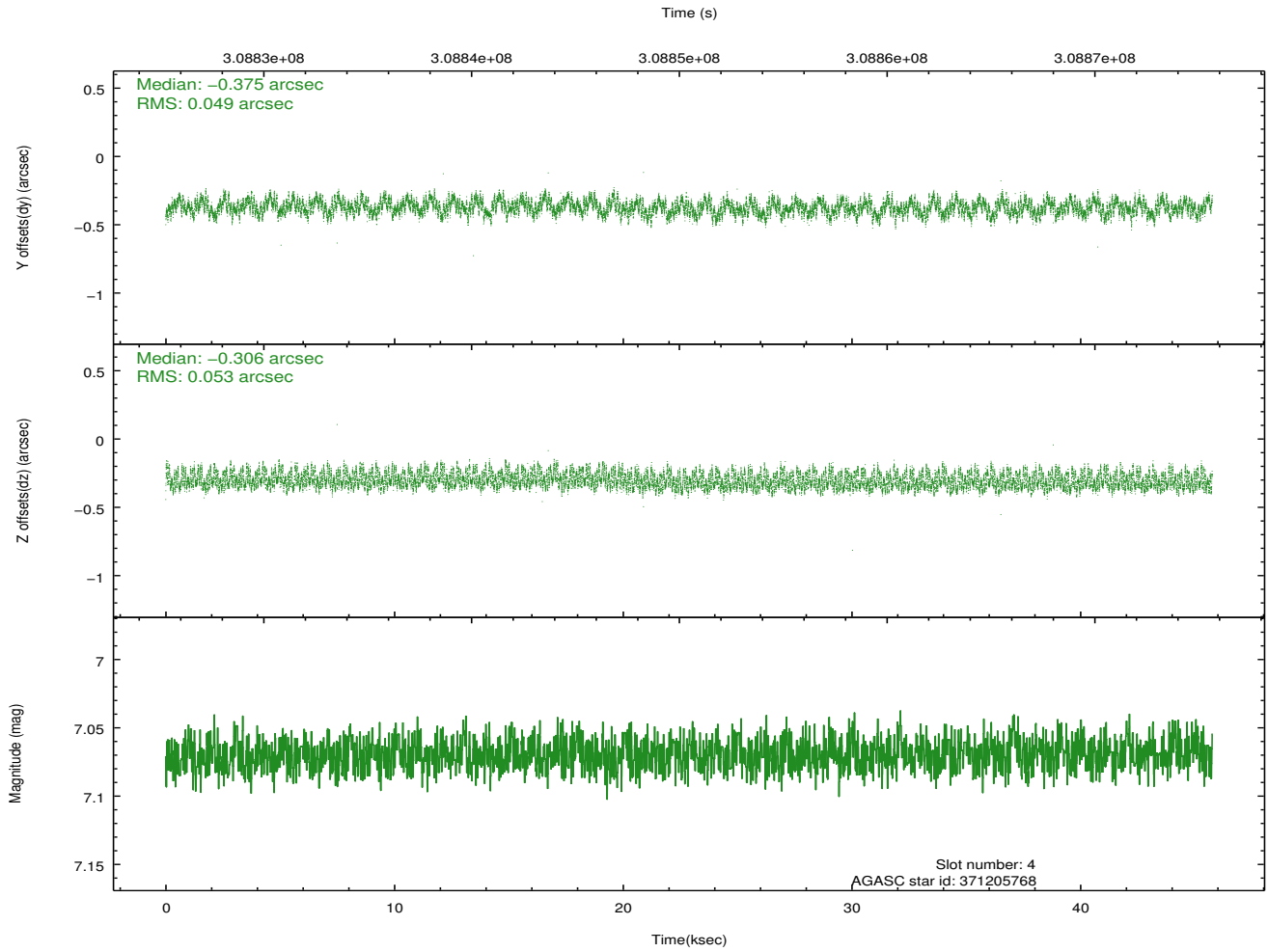
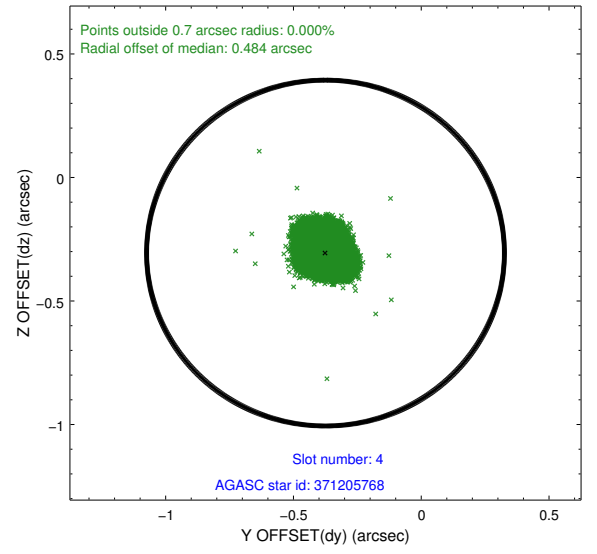
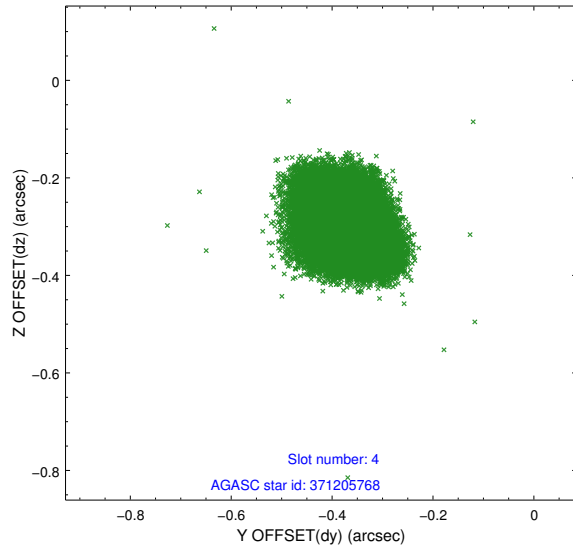
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	11159	0.041	-0.019	0.021	0.076	0.000000	0.000000	929.39	-1731.80
1	FID	ACIS-S-4	7.19	11157	0.139	-0.001	0.015	0.039	0.000000	0.000000	2146.89	172.40
2	FID	ACIS-S-5	7.22	11160	-0.208	0.034	0.013	0.037	0.000000	0.000000	-1819.74	166.01
3	GUIDE	371204680	8.29	22311	0.071	-0.059	0.062	0.099	39.715200	39.150194	1004.46	417.25
4	GUIDE	371205768	7.07	22321	-0.375	-0.306	0.078	0.120	39.111366	38.932960	1923.69	2034.66
5	GUIDE	372903184	9.02	22301	0.251	0.196	0.092	0.148	40.811300	39.366216	-1007.41	-2009.69
6	GUIDE	372909552	9.43	22302	0.172	-0.063	0.106	0.173	40.284221	38.233056	-2226.99	2154.30
7	GUIDE	373438184	7.30	22316	-0.122	0.228	0.054	0.083	40.413347	39.537922	249.72	-1853.28

2.4 Star Slots

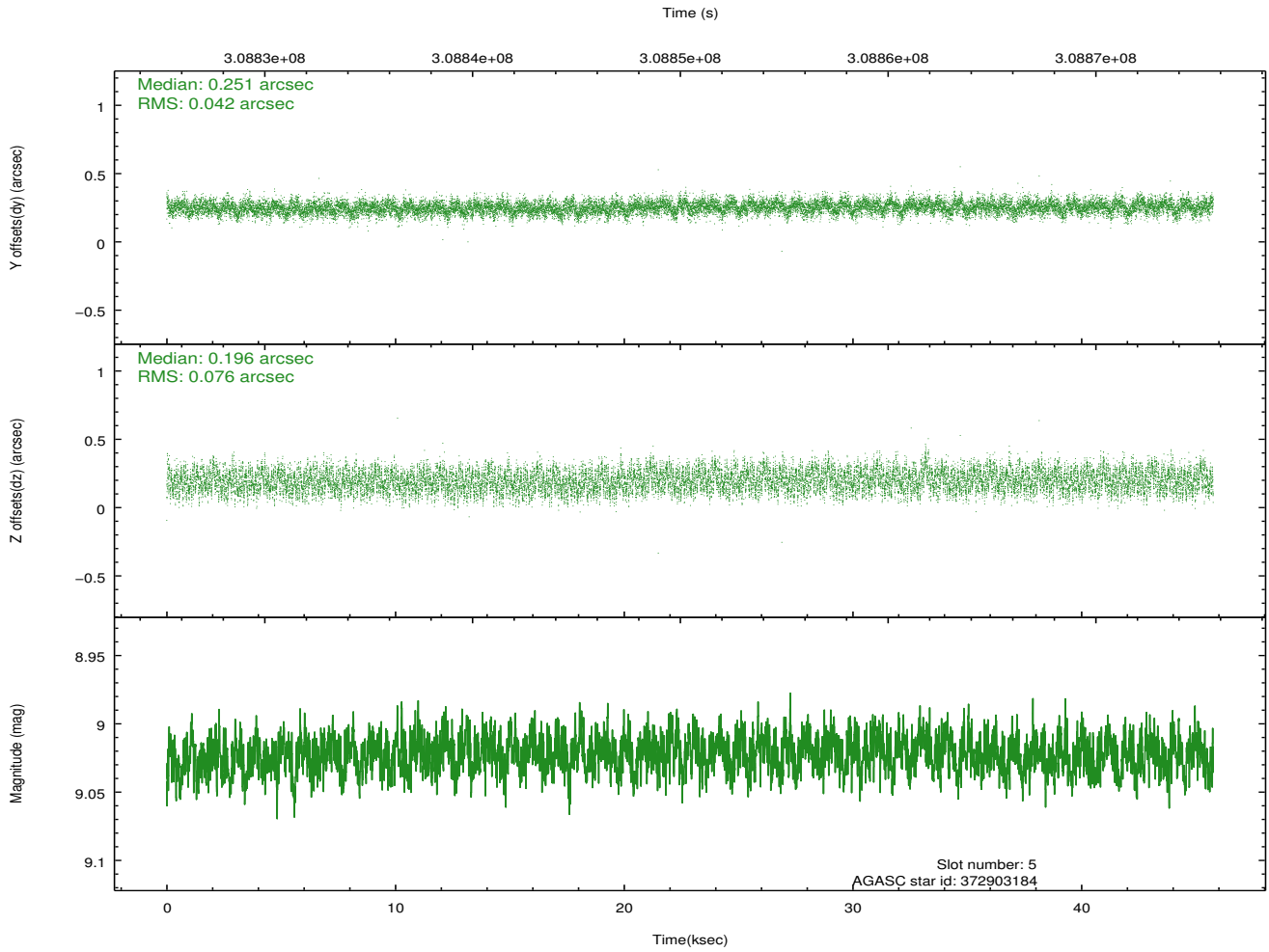
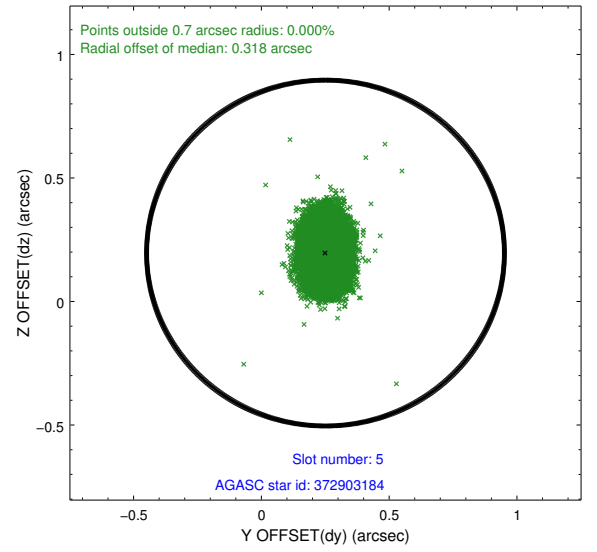
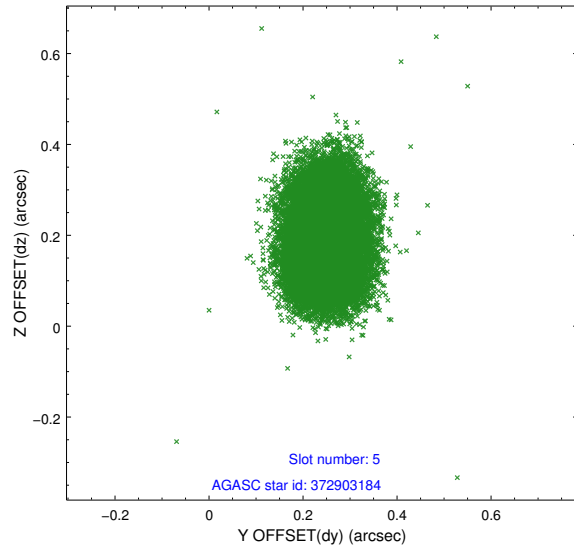
2.4.1 Slot 3



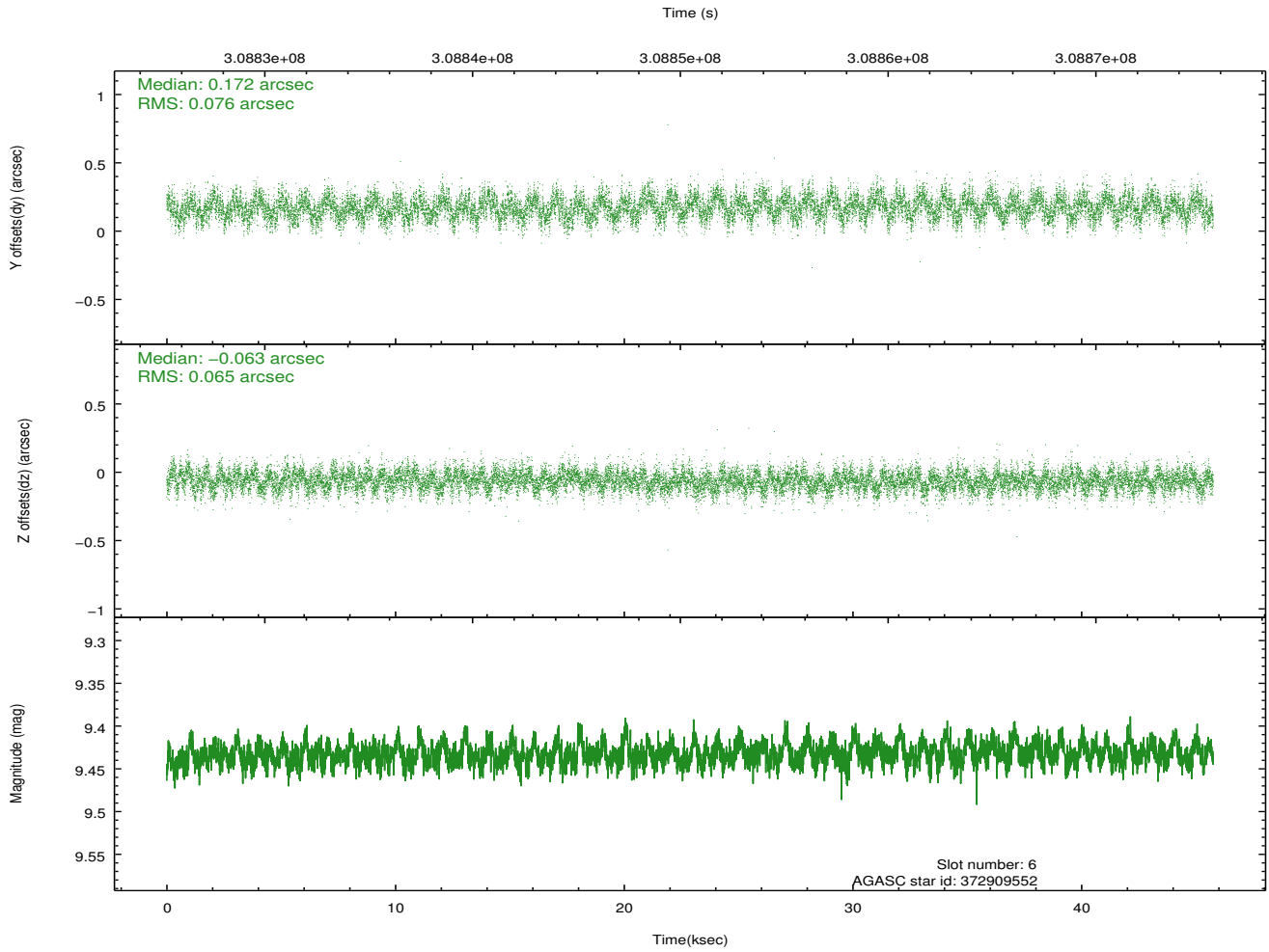
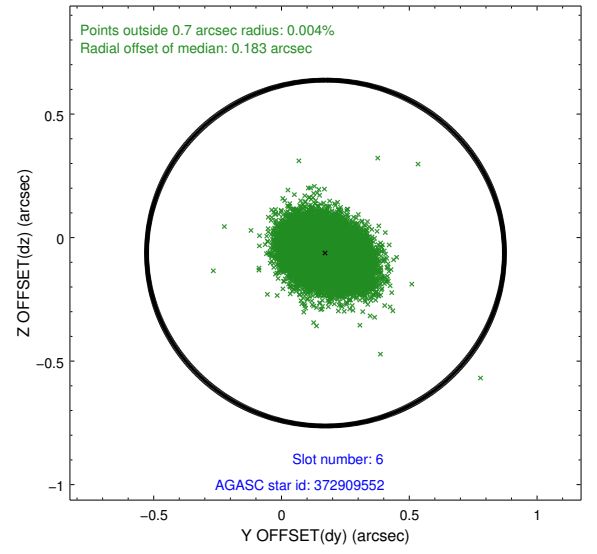
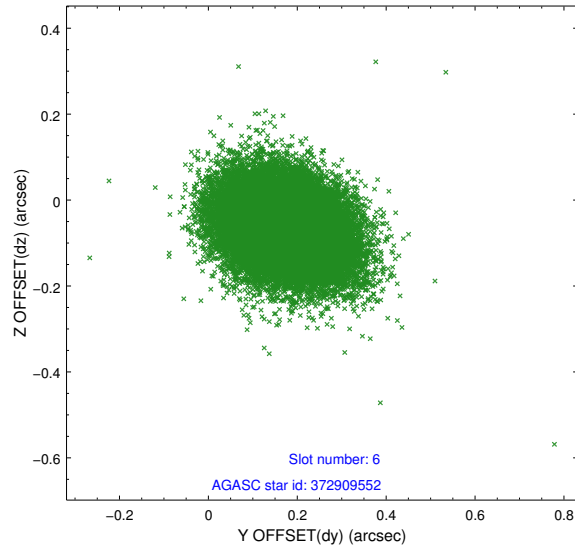
2.4.2 Slot 4



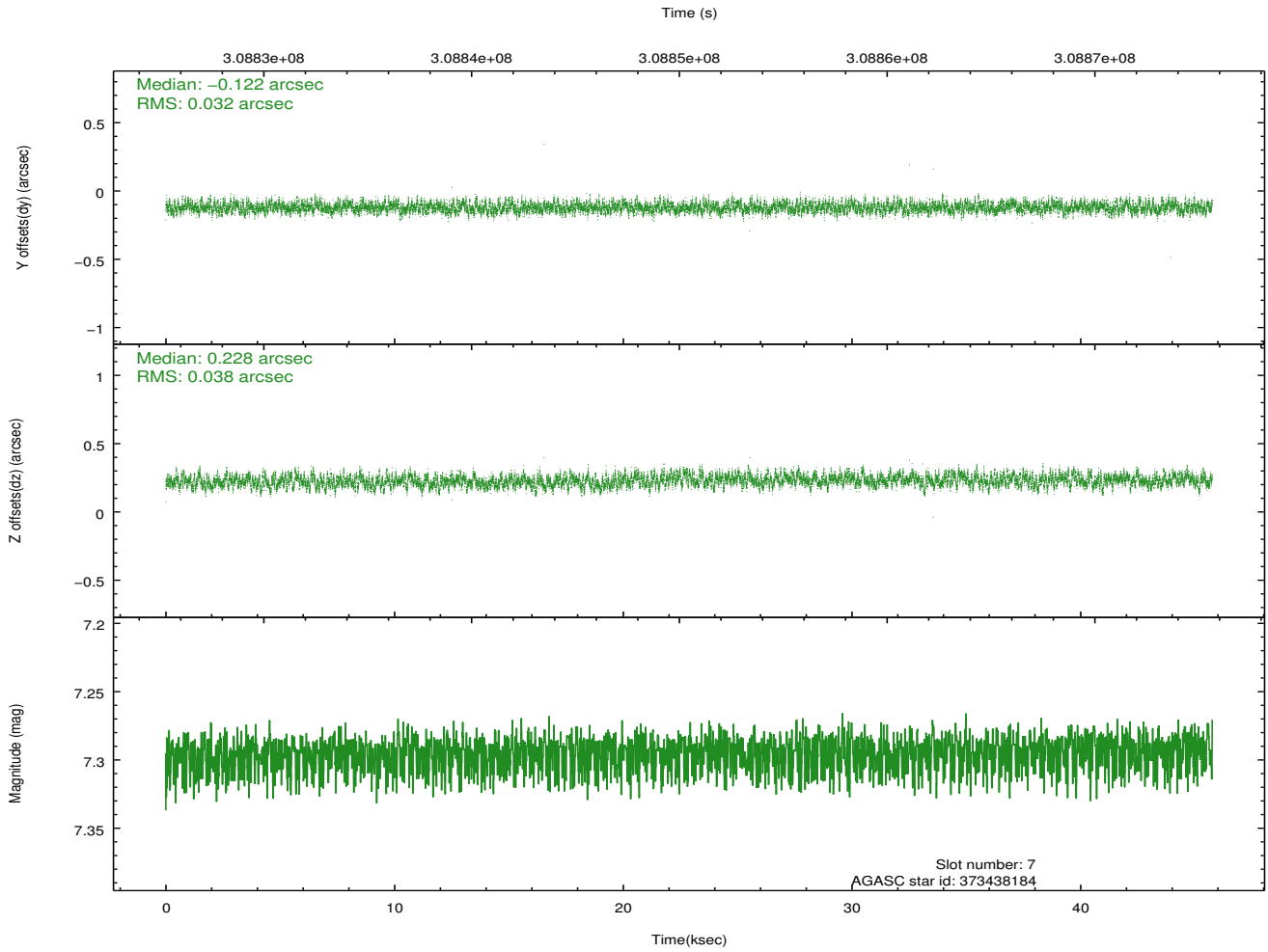
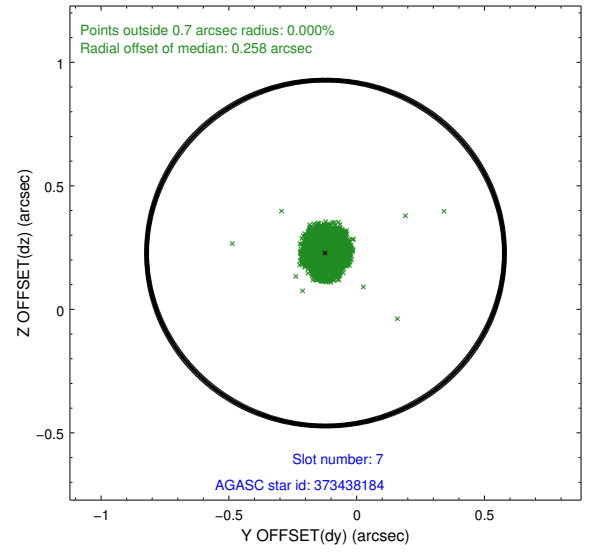
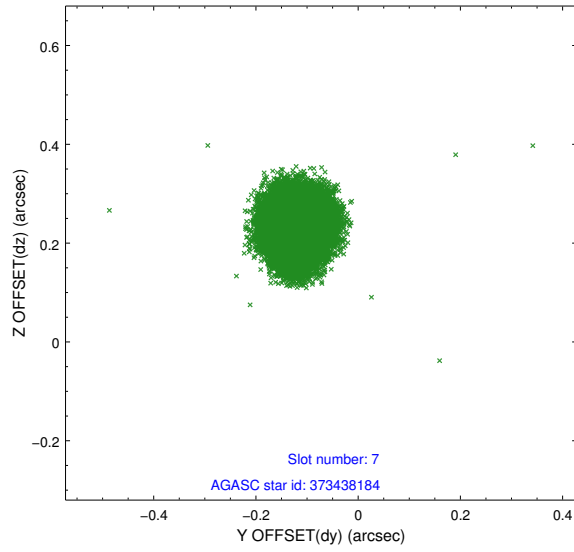
2.4.3 Slot 5



2.4.4 Slot 6

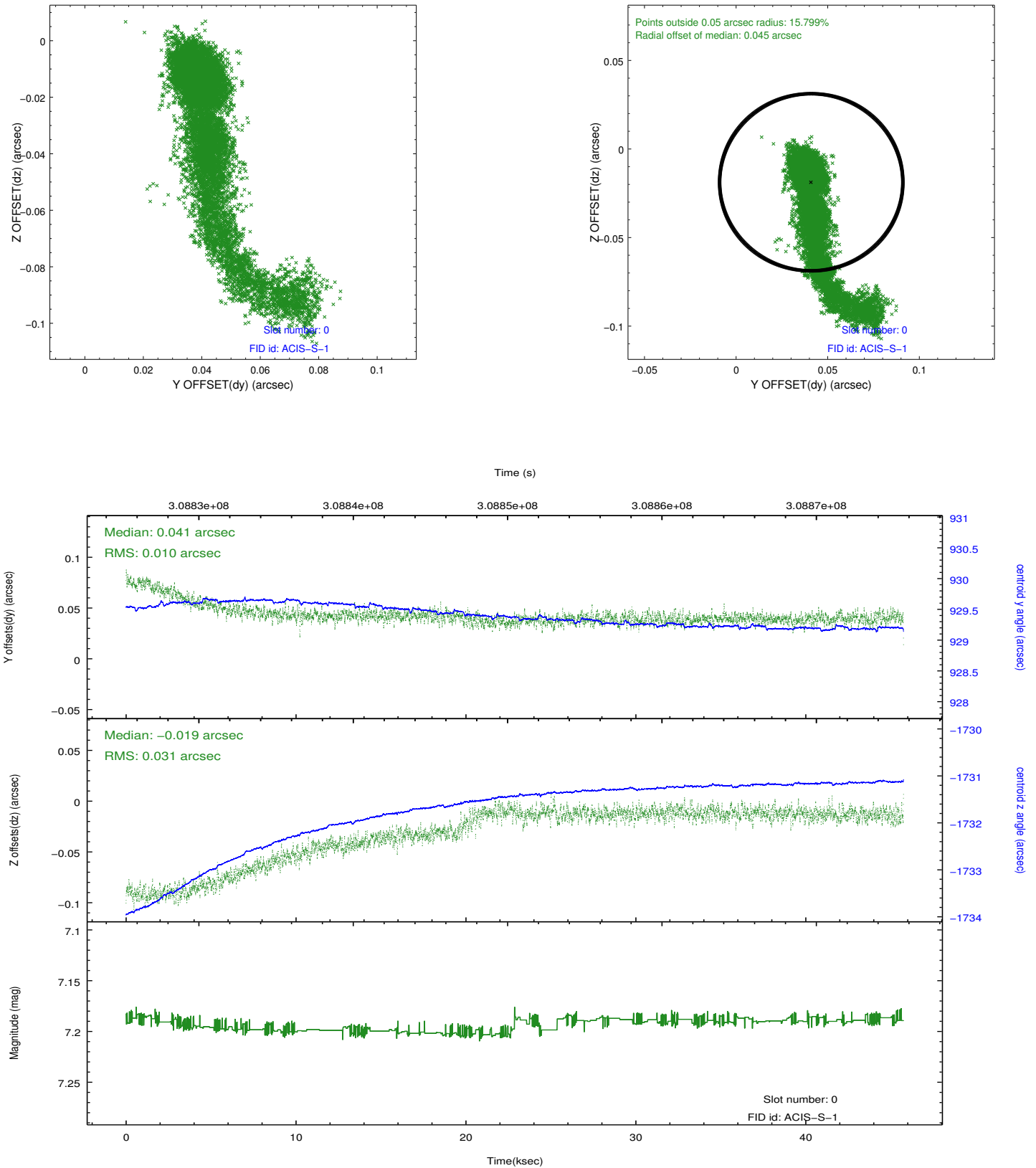


2.4.5 Slot 7

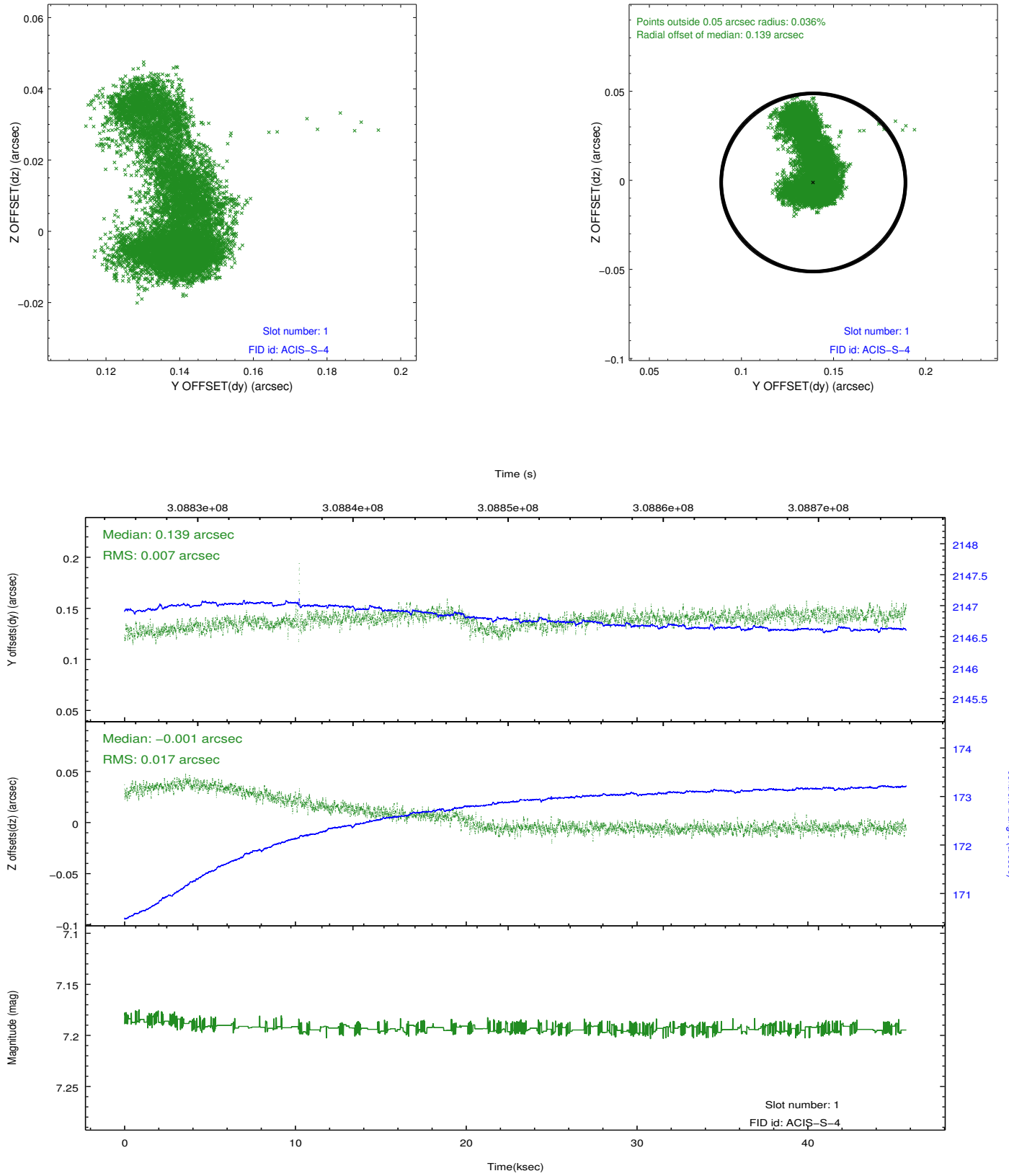


2.5 FID Slots

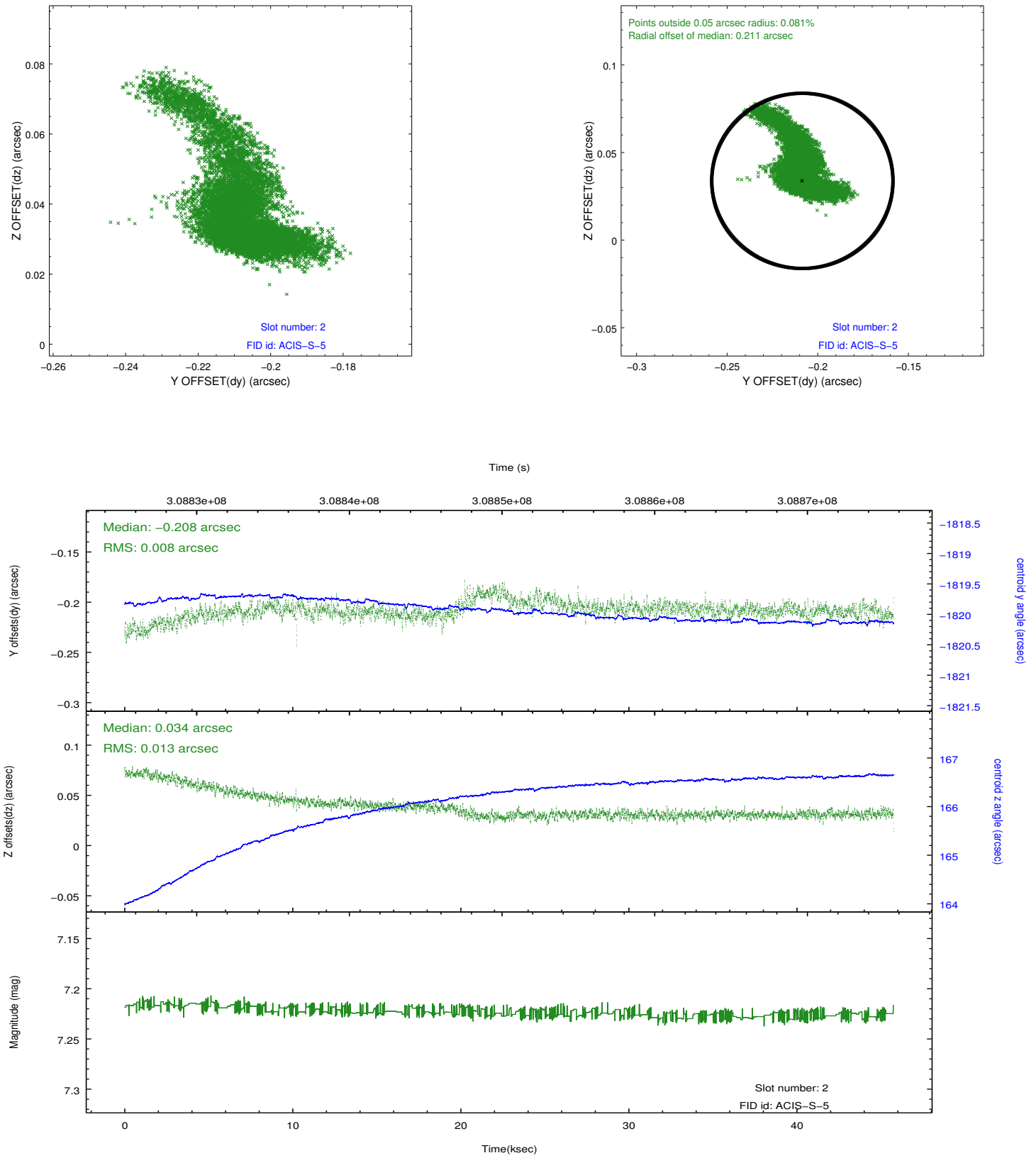
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.7560003

A.2 Comments

Joint proposal with HST.