

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4360 - L2 Version 3
Chandra X-Ray Center

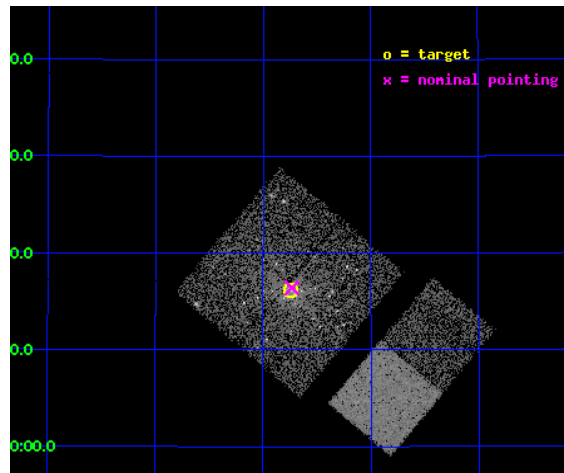
L2 Processing Date : Oct 13 2012

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1 Front

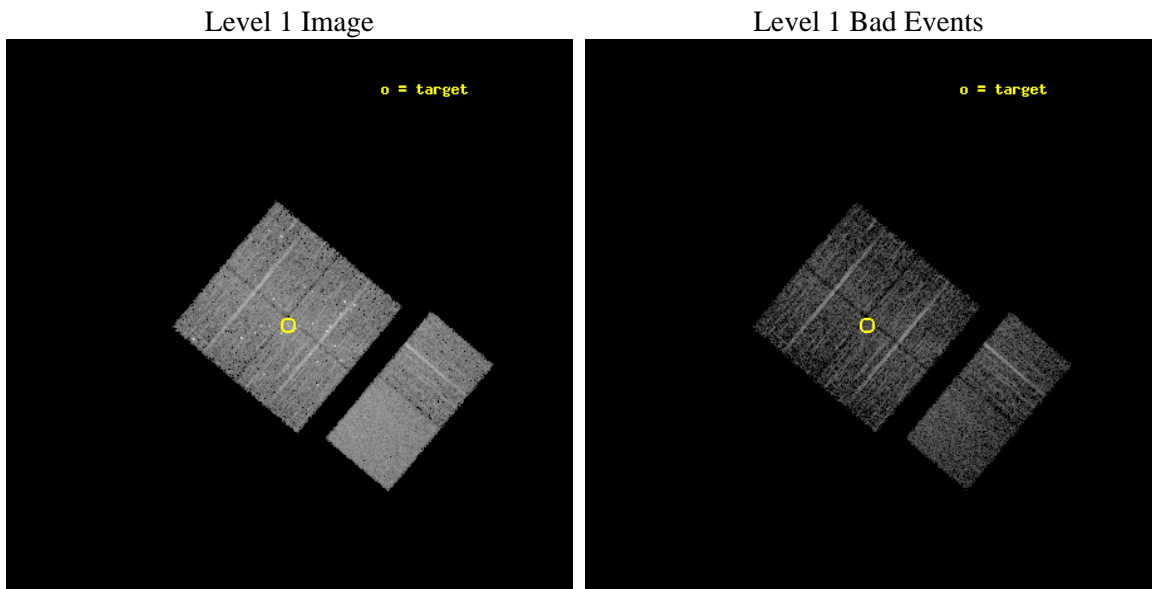
seq_num	600330	Sequence number
obs_id	4360	Observation id
title	SEARCHING FOR THE X-RAY SIGNATURE TO CURRENT RADIO ACTIVITY IN M31*	
observer	Dr. Francis Primini	Principal investigator
object	M31	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.269139	Observer's specified target Dec [deg]
ra_nom	10.683154383233	Nominal RA [deg]
dec_nom	41.27364279234	Nominal Dec [deg]
roll_nom	130.00244087389	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4966.3999814987	Sum of GTIs [s]
livetime	4903.5124345259	Livetime [s]
ontime0	4966.3999814987	Sum of GTIs [s]
ontime1	4966.3999814987	Sum of GTIs [s]
ontime2	4966.3999814987	Sum of GTIs [s]
ontime3	4966.3999814987	Sum of GTIs [s]
ontime6	4966.3999814987	Sum of GTIs [s]
ontime7	4966.3999814987	Sum of GTIs [s]
l2events	45258	Number of level 2 events



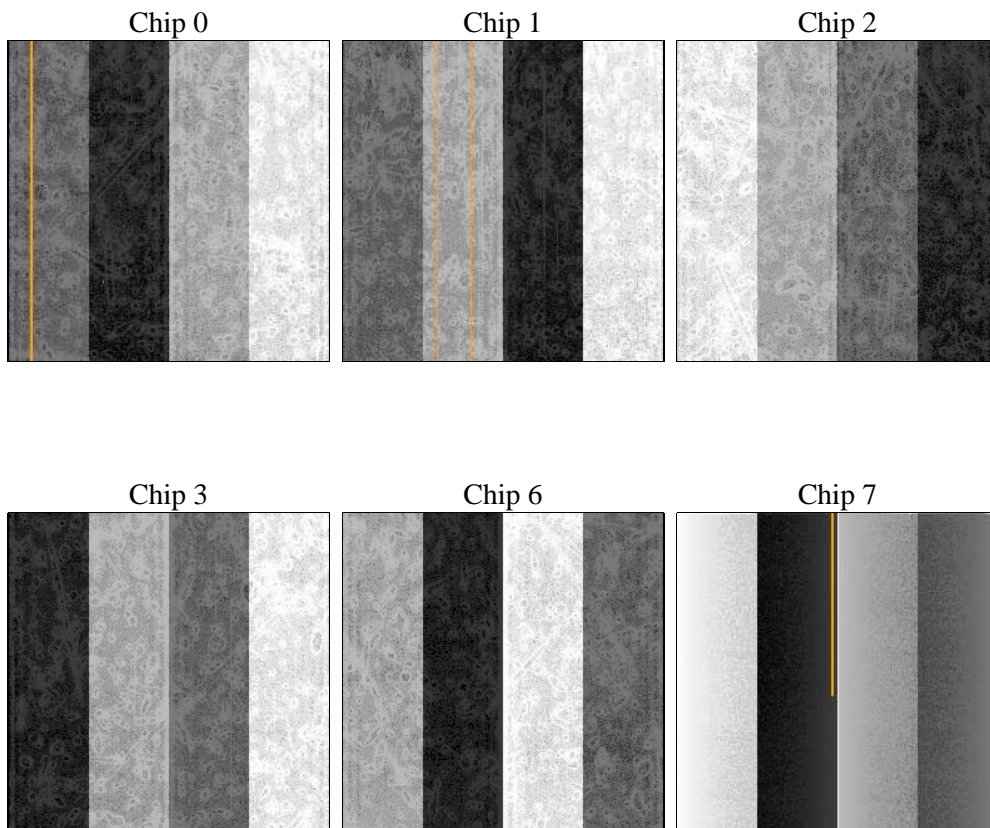
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4966.3999814987	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4966.3999814987	Sum of GTIs [s]
date	2012-10-14T00:31:23	Date and time of file creation	ontime1	4966.3999814987	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4966.3999814987	Sum of GTIs [s]
			ontime3	4966.3999814987	Sum of GTIs [s]
			ontime6	4966.3999814987	Sum of GTIs [s]
			ontime7	4966.3999814987	Sum of GTIs [s]
			l1events	200188	Number of level 1 events

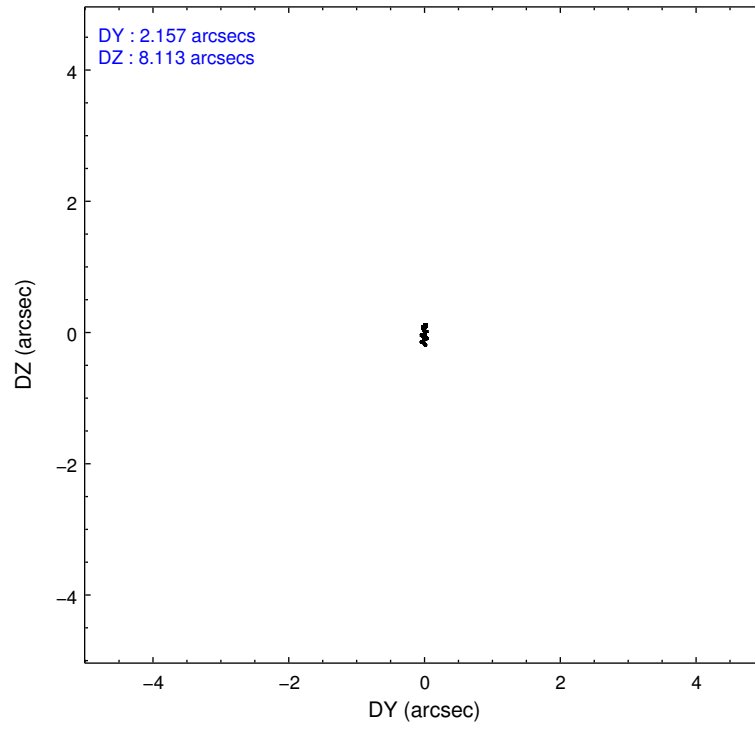
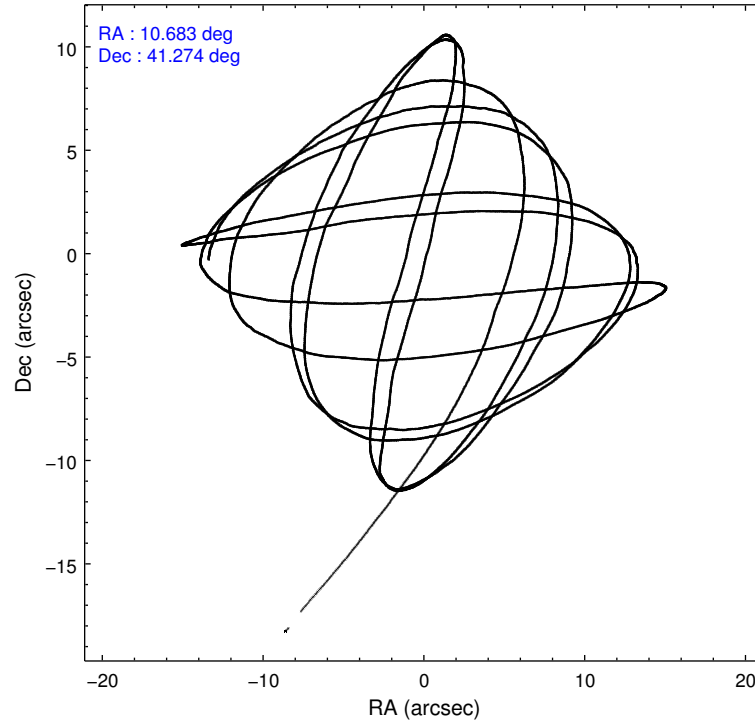
2.1.4 Events

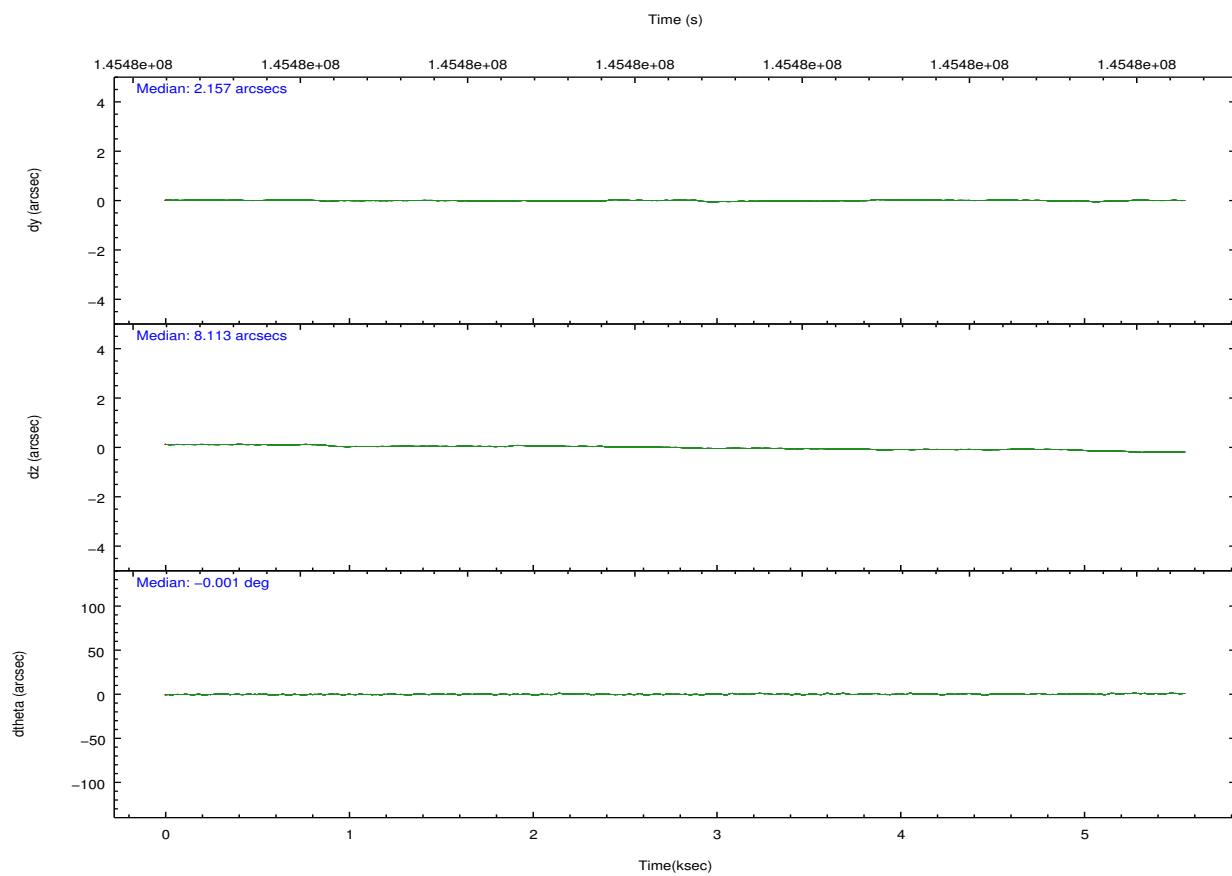
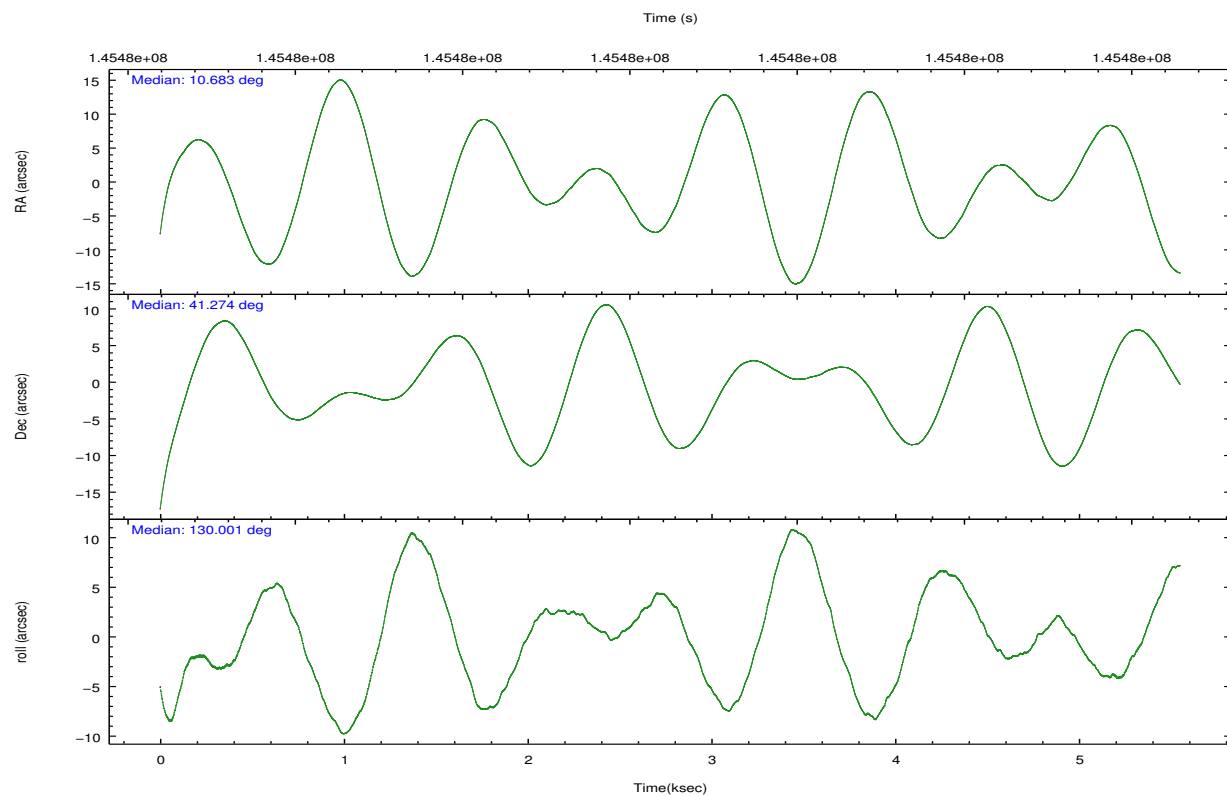
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	29551	31328	34347	33952	30633	40377	grade 0 events	3019	4229	5407	5279	1581	1615
rejected events	24172	24222	26085	25965	26896	23752		10%	13%	15%	15%	5%	3%
rejected %	81%	77%	75%	76%	87%	58%	grade 1 events	37	30	120	64	14	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	909	1090	1205	1076	721	3359
								3%	3%	3%	3%	2%	8%
							grade 3 events	400	459	500	488	352	1483
								1%	1%	1%	1%	1%	3%
							grade 4 events	411	517	512	445	351	1497
								1%	1%	1%	1%	1%	3%
							grade 5 events	1172	1299	1264	1329	1334	3888
								3%	4%	3%	3%	4%	9%
							grade 6 events	642	817	647	706	732	8671
								2%	2%	1%	2%	2%	21%
							grade 7 events	22961	22887	24692	24565	25548	19826
								77%	73%	71%	72%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	10.717475	10.68315438323348	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.264303	41.27364279233998	Alternating exposures requested	N	N
[deg] Pointing Roll	129.771121	130.002440873888	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	145477011.184000	145475858.84471			
Observation start date	2002-08-11T18:15:47	2002-08-11T17:57:38			
[s] Observation end time (MET)	145482011.184000	145482690.98249			
Observation end date	2002-08-11T19:39:07	2002-08-11T19:51:30			
Read mode	TIMED	TIMED			

2.3 Aspect



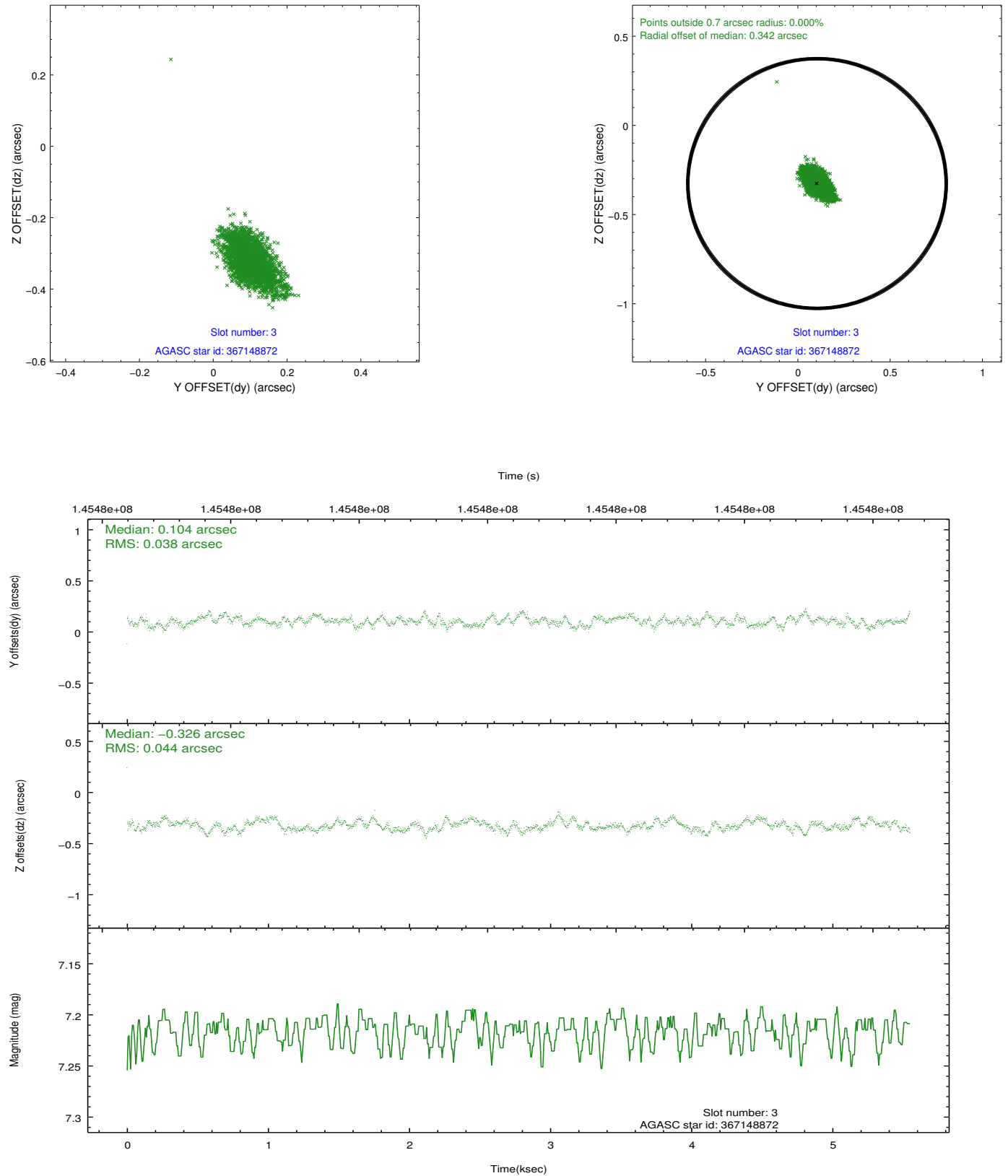


Slot Statistics

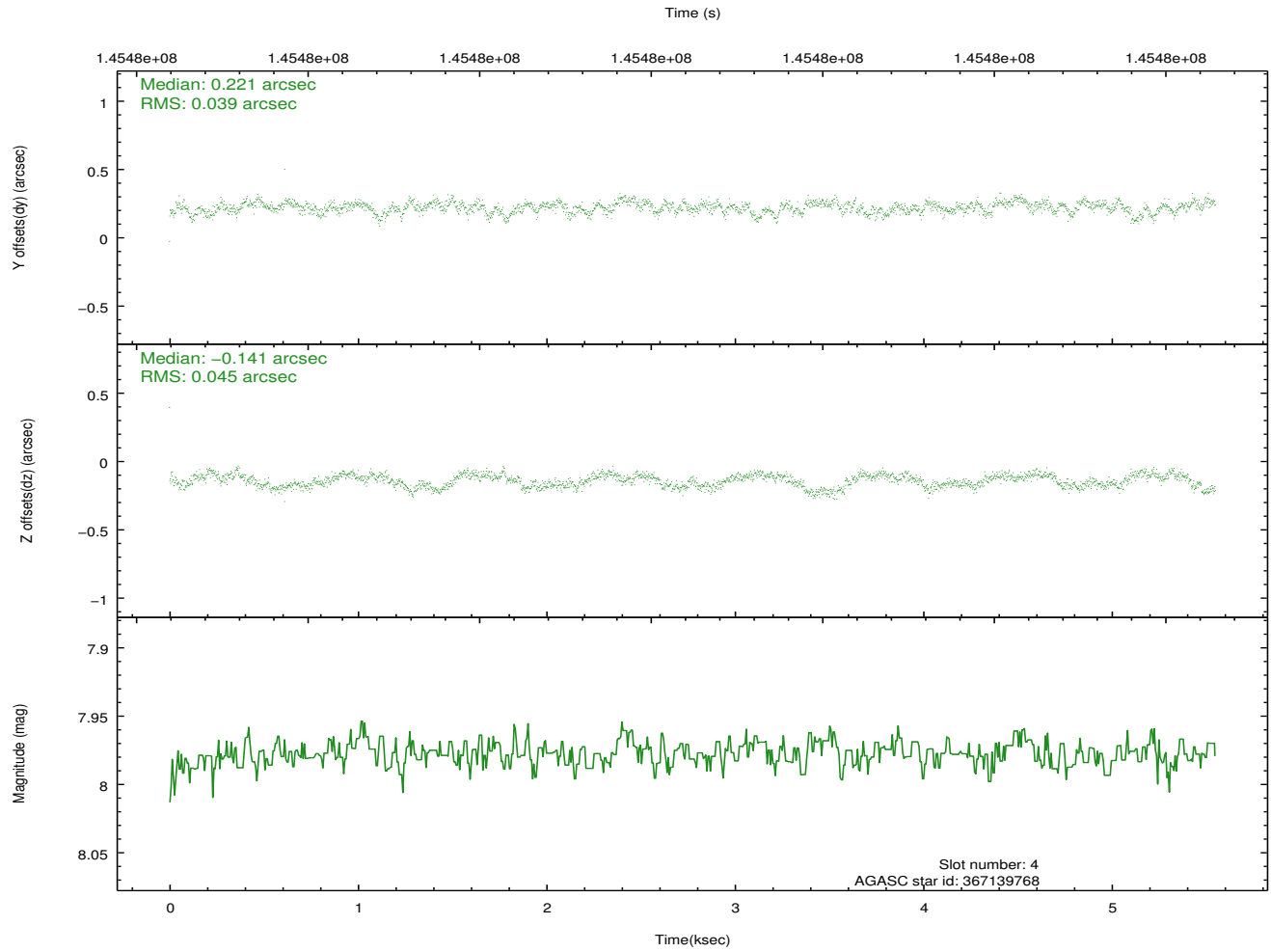
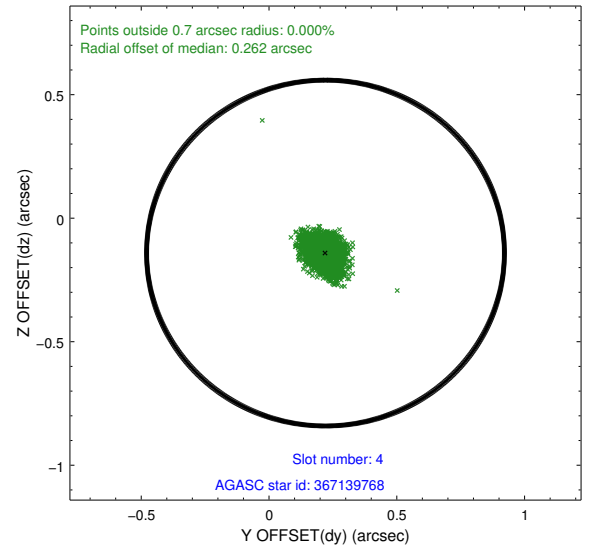
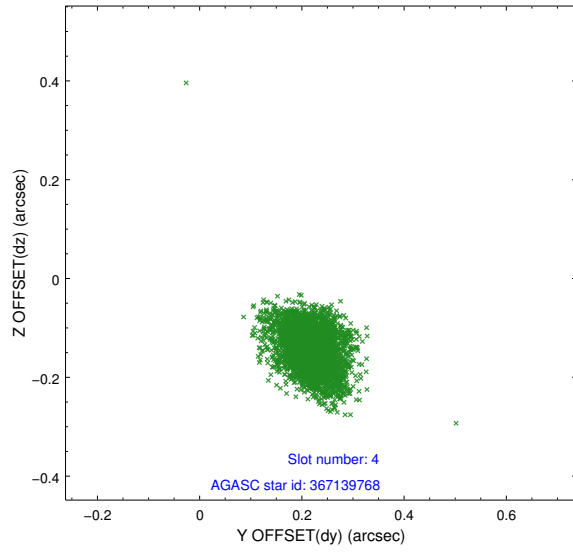
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1354	-0.030	0.067	0.008	0.014	0.000000	0.000000	937.62	-831.47
1	FID	ACIS-I-5	7.24	1352	-0.037	0.033	0.007	0.013	0.000000	0.000000	-1809.87	1065.48
2	FID	ACIS-I-6	7.26	1354	-0.024	-0.029	0.007	0.012	0.000000	0.000000	402.03	1711.12
3	GUIDE	367148872	7.22	2705	0.104	-0.326	0.060	0.103	10.505940	40.688258	-1224.85	1770.40
4	GUIDE	367139768	7.98	2704	0.221	-0.141	0.063	0.102	11.069715	40.685175	-2217.21	594.49
5	GUIDE	367657272	8.41	2707	-0.021	0.265	0.118	0.176	11.834471	41.298907	-1823.56	-2413.08
6	GUIDE	367671800	9.40	2706	-0.225	0.110	0.102	0.162	10.554735	41.964935	2215.97	-1279.18
7	GUIDE	367665472	9.49	2707	-0.087	0.088	0.113	0.180	10.241611	41.730843	2111.39	-93.80

2.4 Star Slots

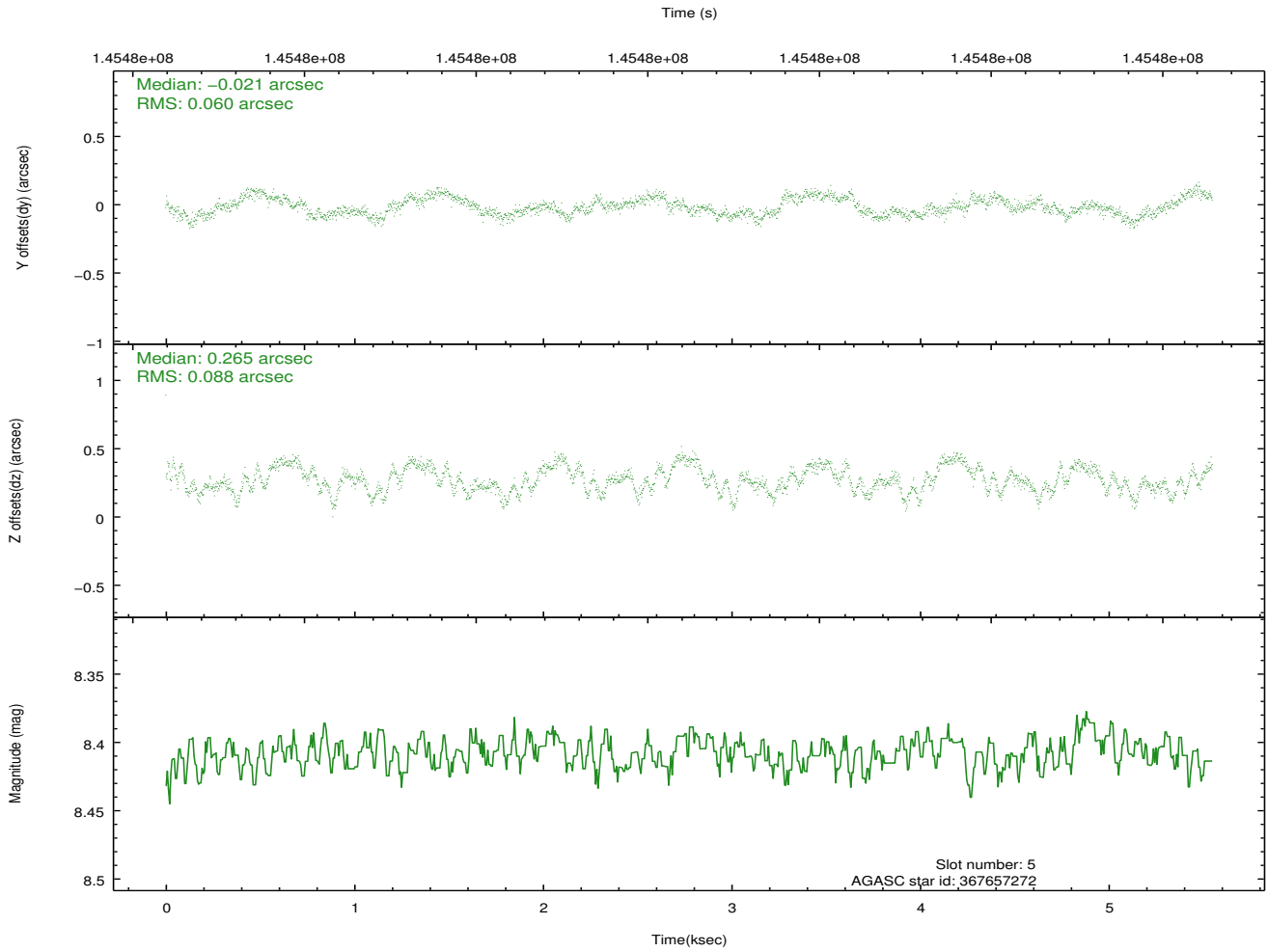
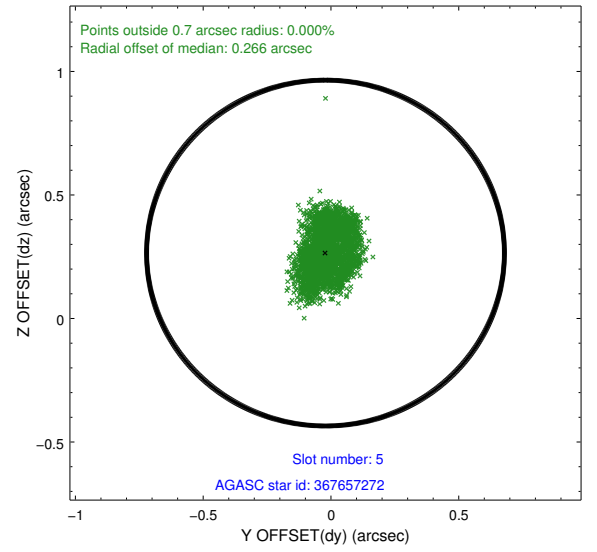
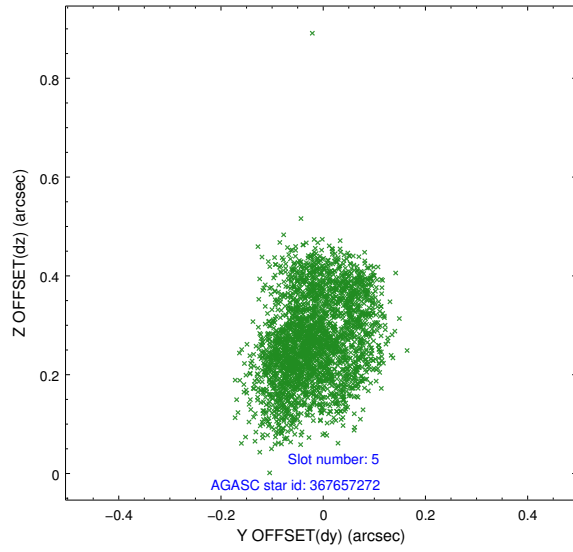
2.4.1 Slot 3



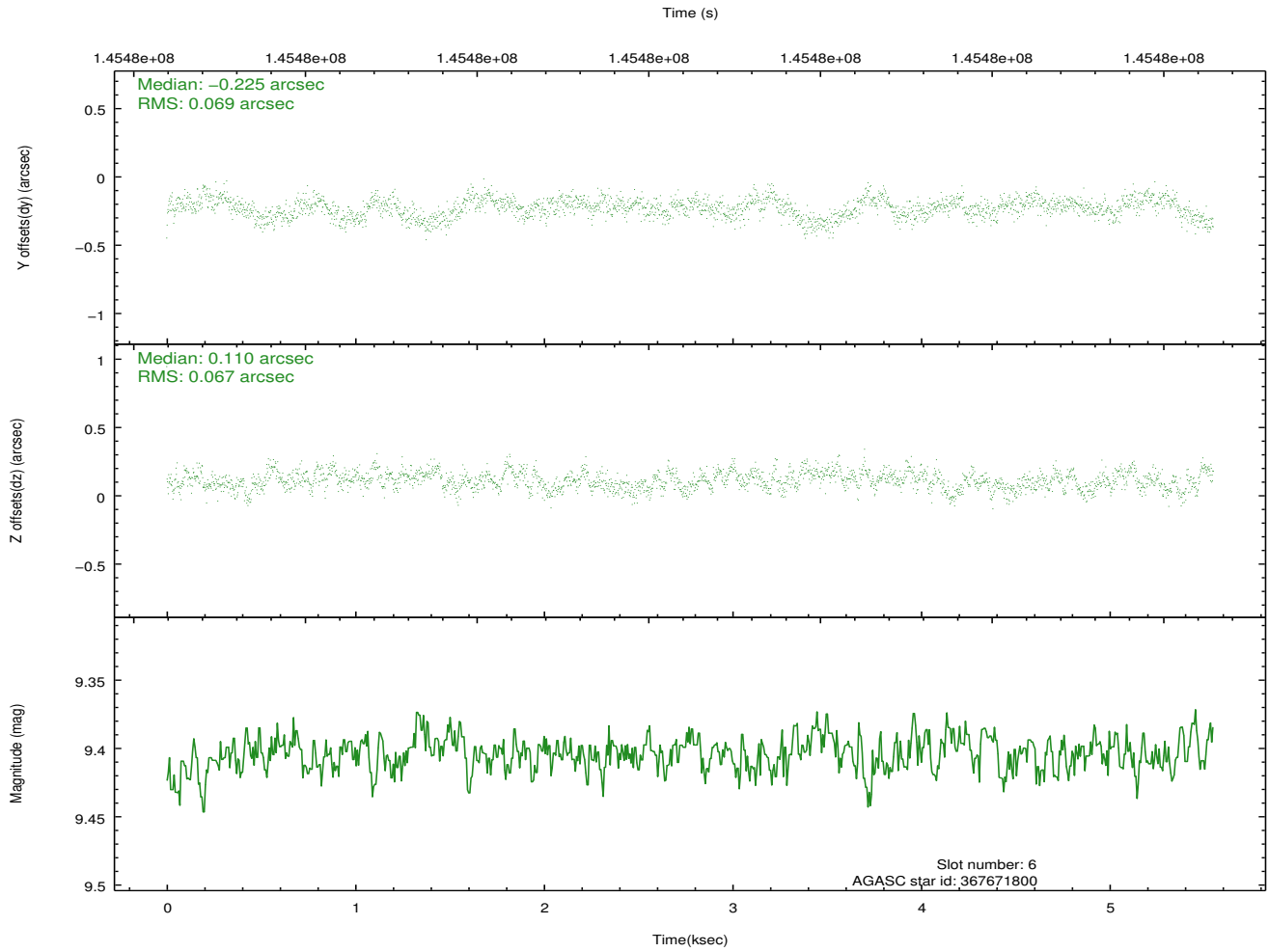
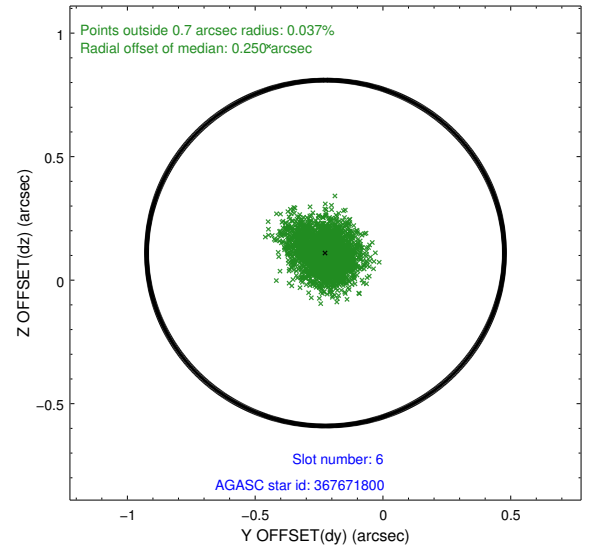
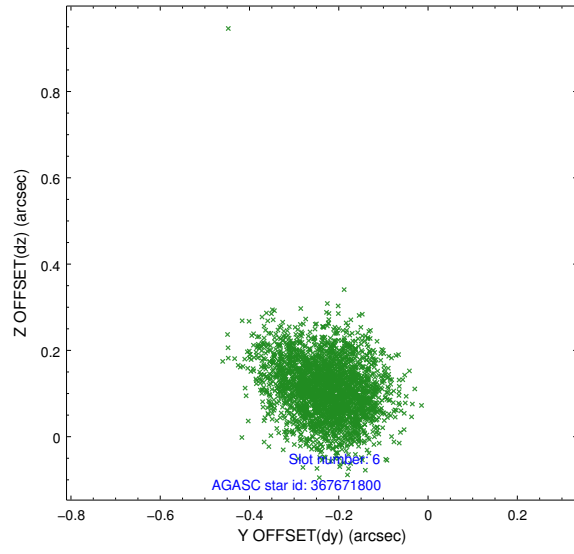
2.4.2 Slot 4



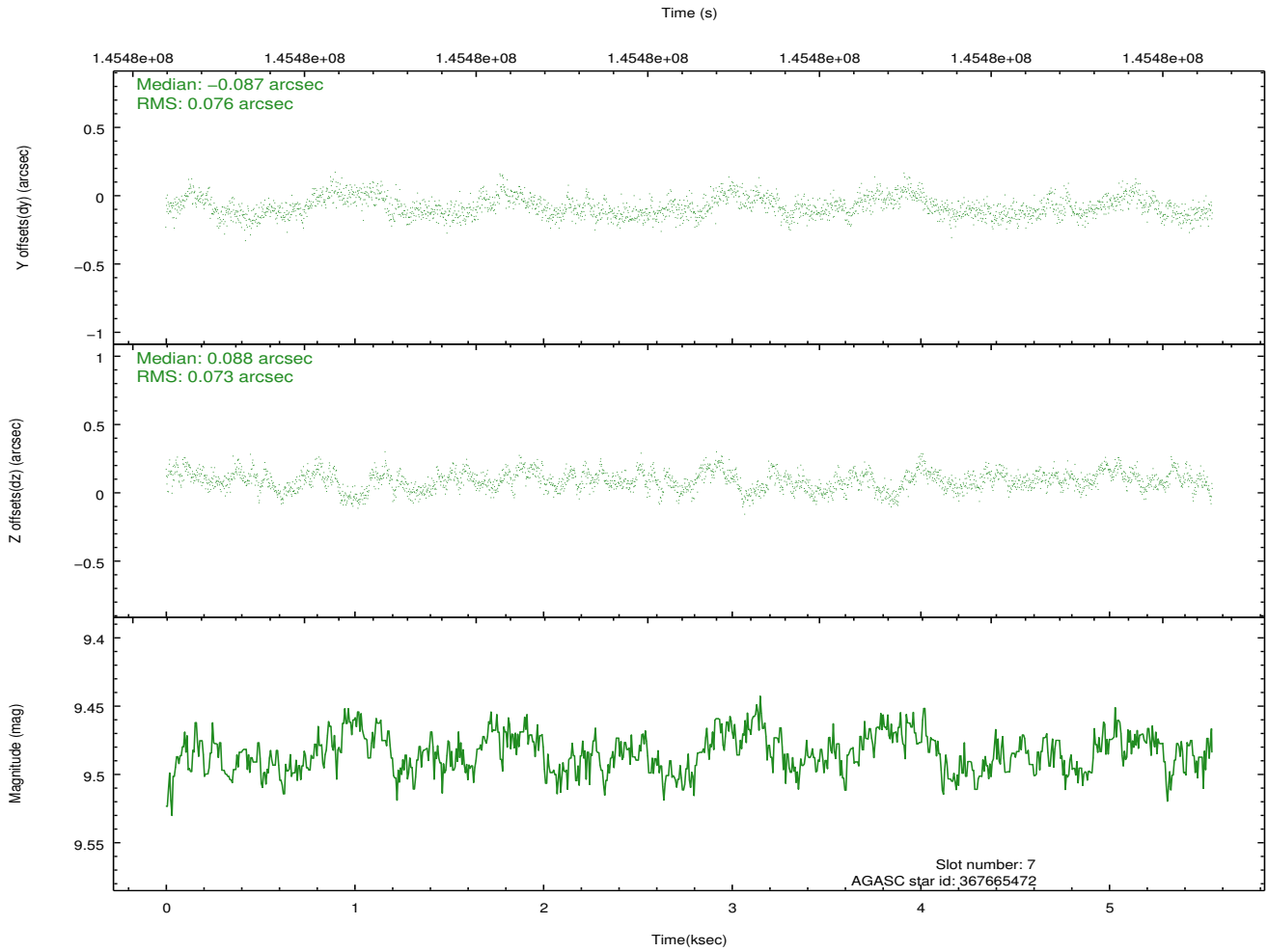
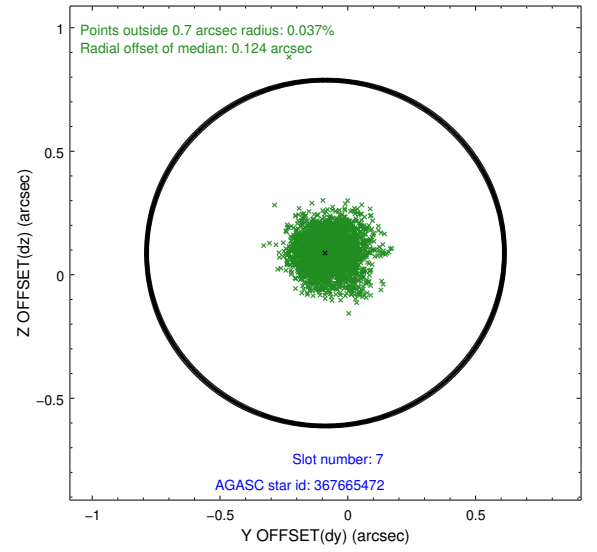
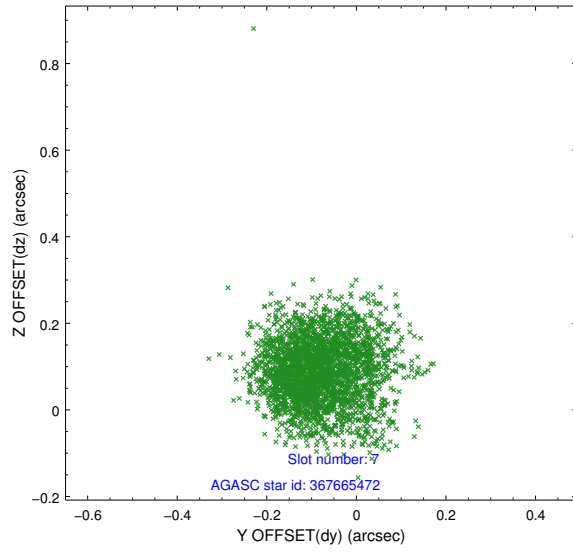
2.4.3 Slot 5



2.4.4 Slot 6

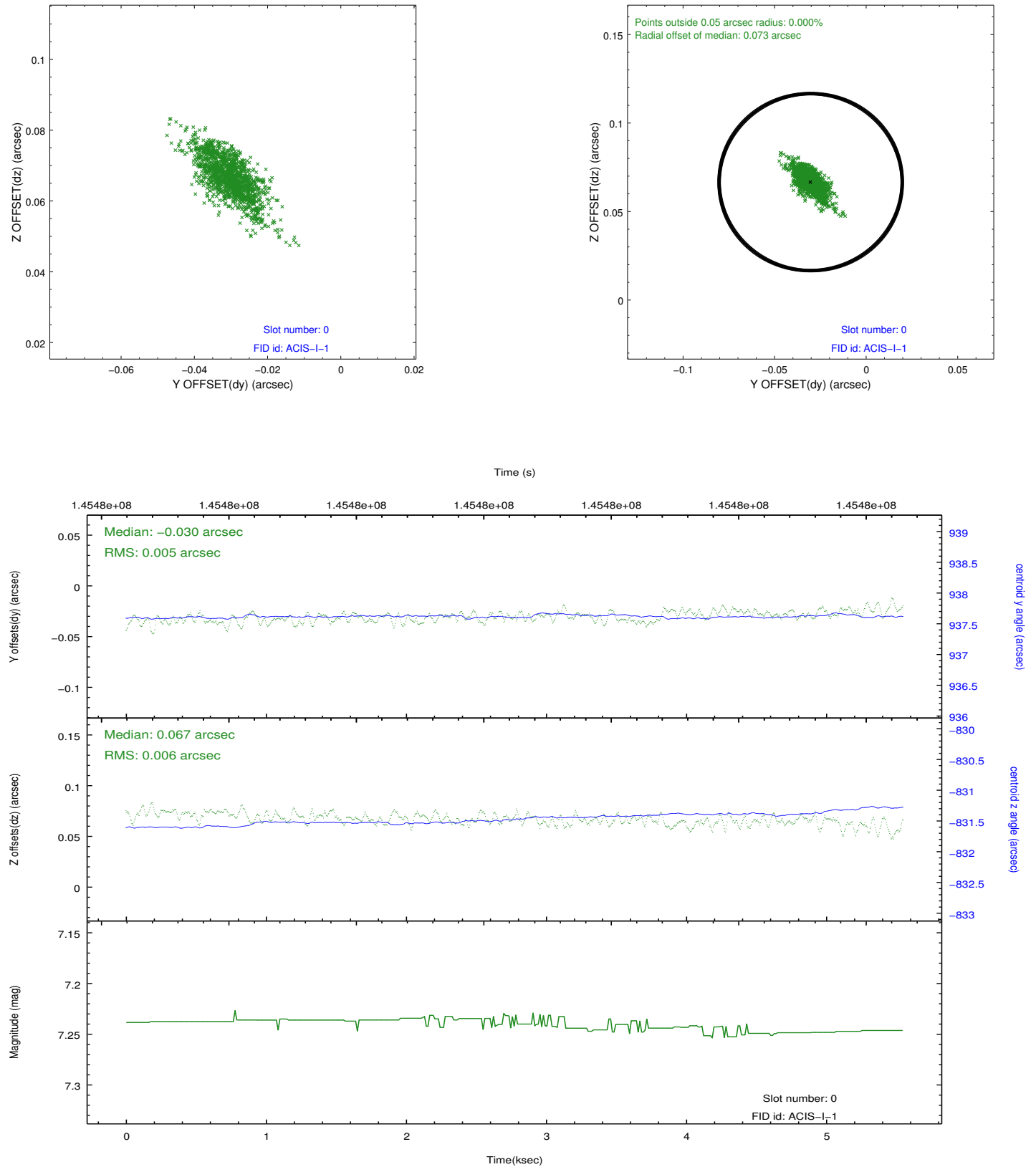


2.4.5 Slot 7

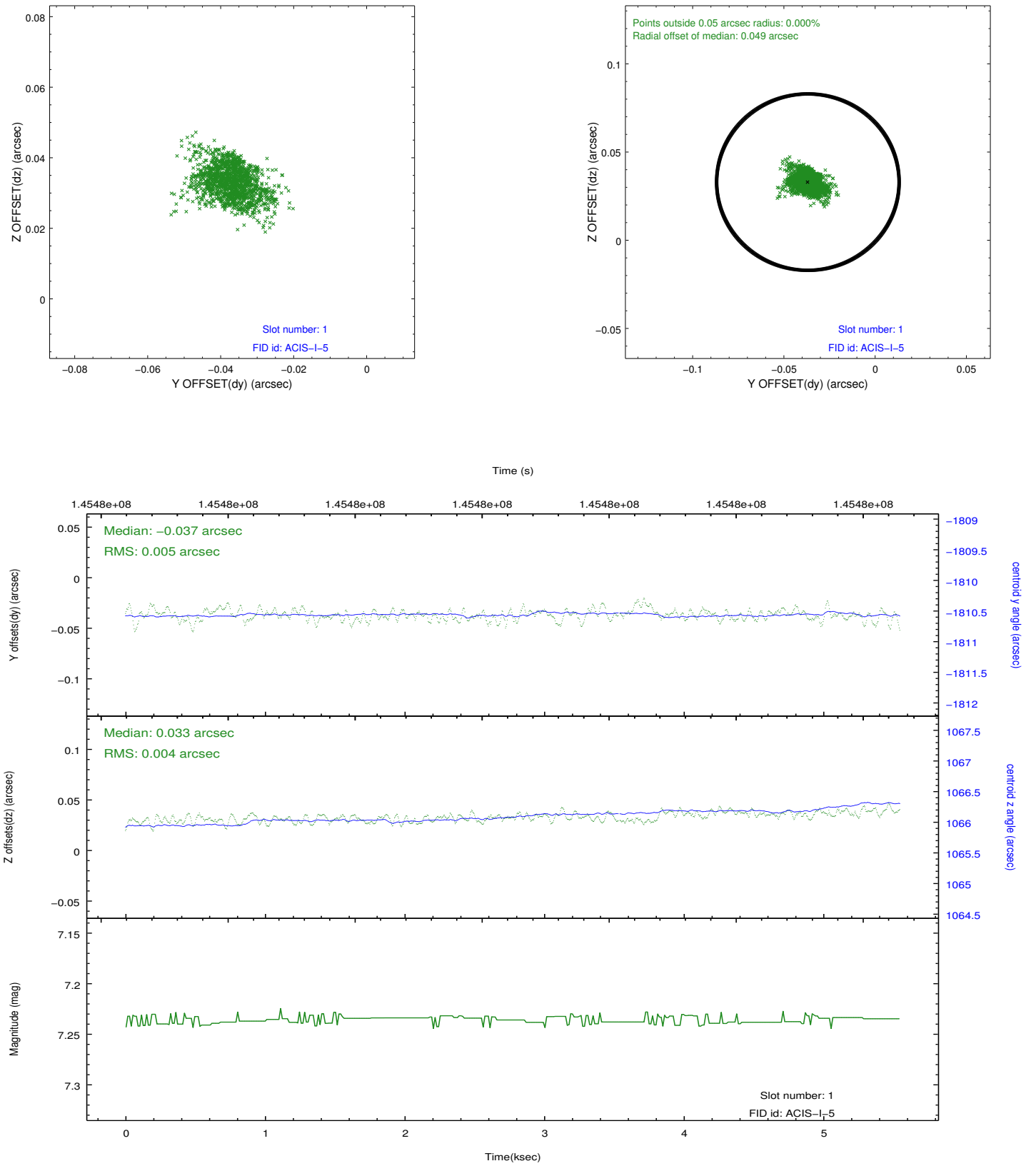


2.5 FID Slots

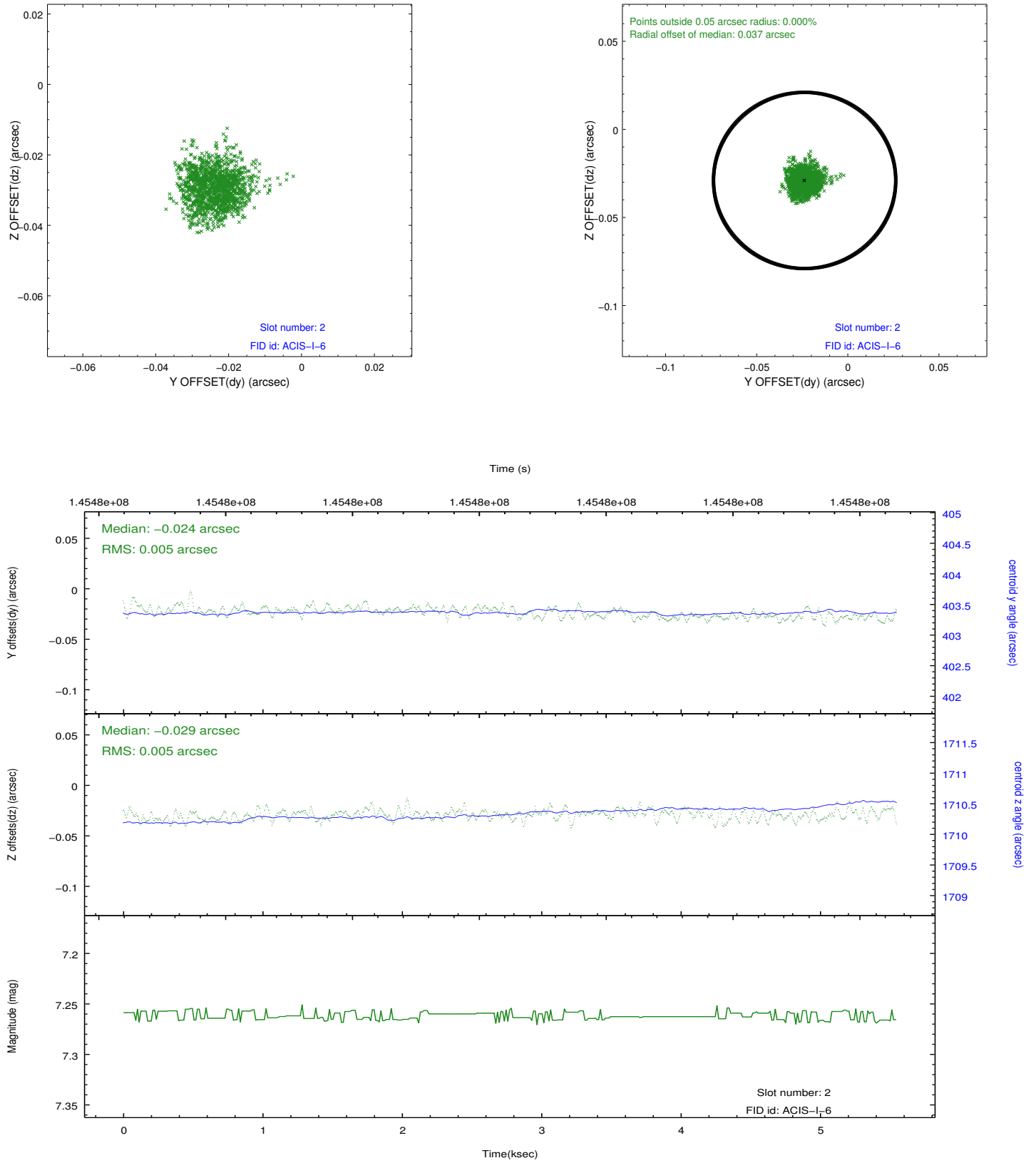
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.969

A.2 Comments