

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7526 - L2 Version 2
Chandra X-Ray Center

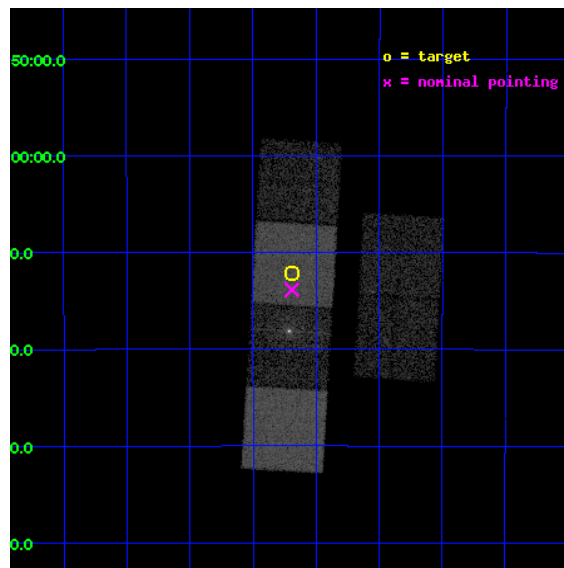
L2 Processing Date : Apr 28 2012

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1 Front

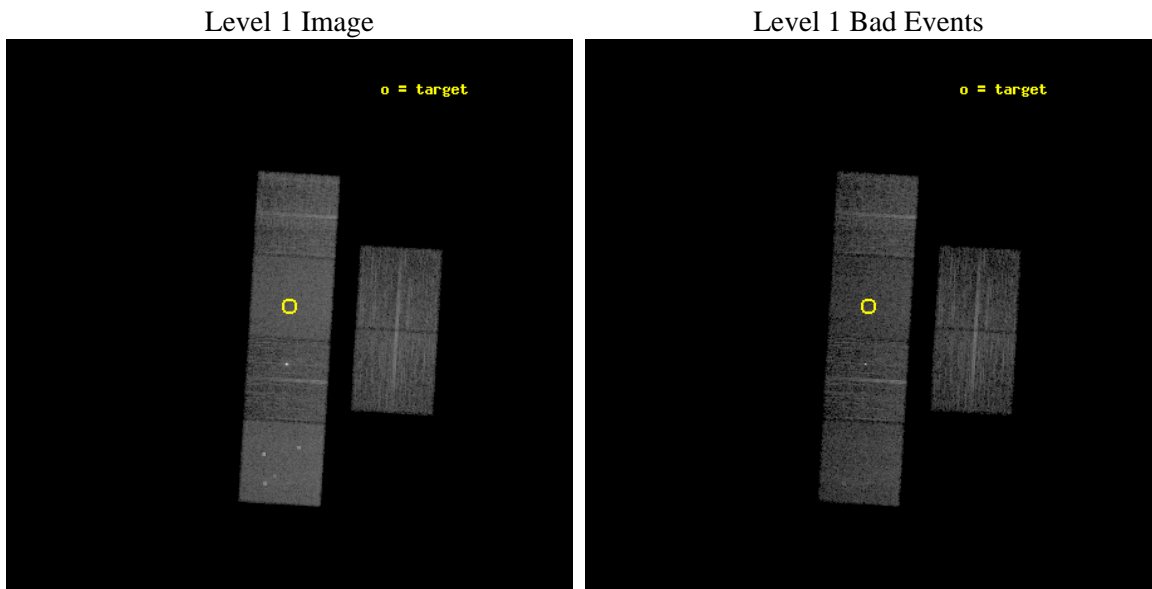
seq_num	400636	Sequence number
obs_id	7526	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17407-2808	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.173	Observer's specified target RA [deg]
dec_targ	-28.202	Observer's specified target Dec [deg]
ra_nom	265.17304260536	Nominal RA [deg]
dec_nom	-28.231214454647	Nominal Dec [deg]
roll_nom	273.44196723642	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5174.3999807835	Sum of GTIs [s]
livetime	5108.8786125772	Livetime [s]
ontime2	5171.1590105295	Sum of GTIs [s]
ontime3	5167.9180302024	Sum of GTIs [s]
ontime5	5167.9179903865	Sum of GTIs [s]
ontime6	5171.1590105295	Sum of GTIs [s]
ontime7	5174.3999807835	Sum of GTIs [s]
ontime8	5174.3999807835	Sum of GTIs [s]
l2events	93204	Number of level 2 events



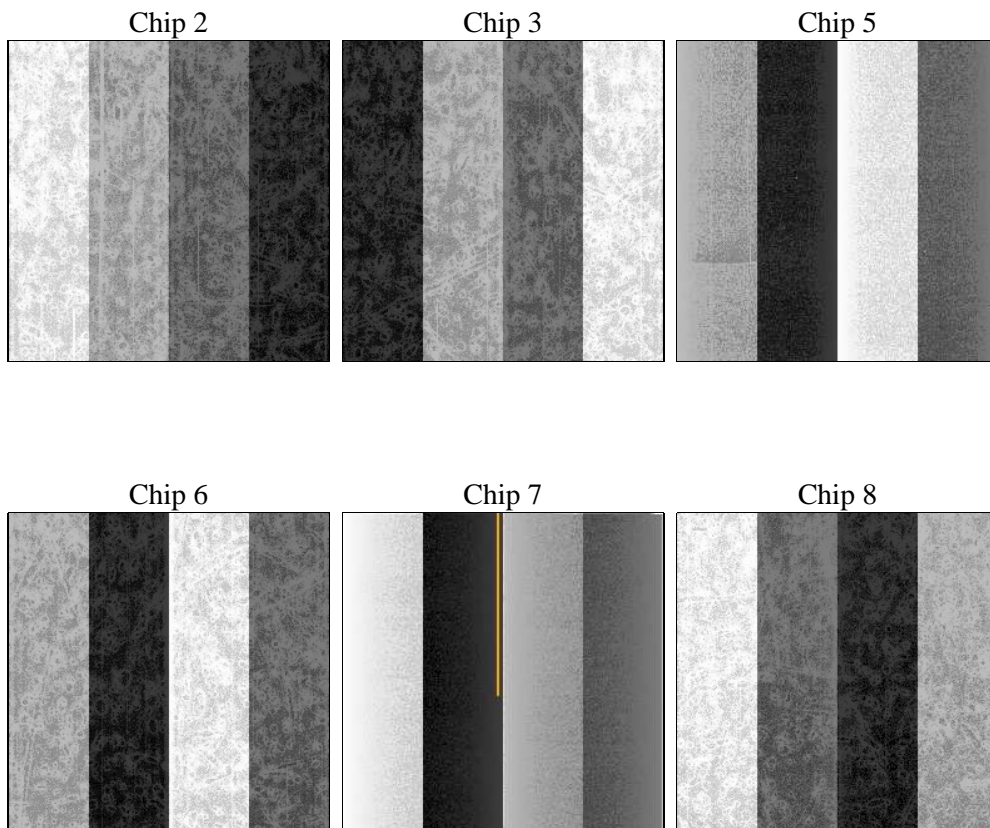
2 OBI

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	8.4.4	Processing system revision	ontime	5174.3999807835	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5171.1590105295	Sum of GTIs [s]
date	2012-04-29T02:03:36	Date and time of file creation	ontime3	5167.9180302024	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5167.9179903865	Sum of GTIs [s]
			ontime6	5171.1590105295	Sum of GTIs [s]
			ontime7	5174.3999807835	Sum of GTIs [s]
			ontime8	5174.3999807835	Sum of GTIs [s]
			l1events	392272	Number of level 1 events

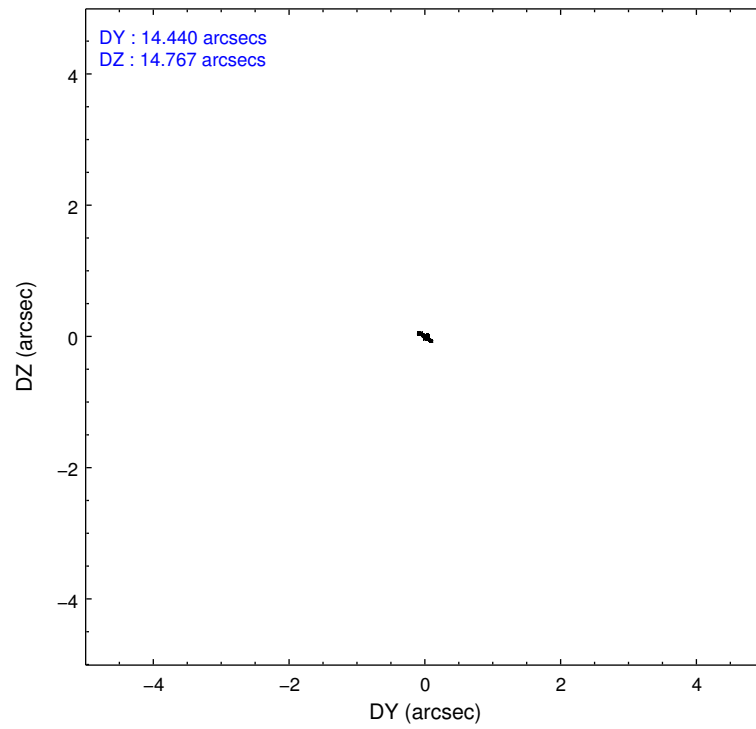
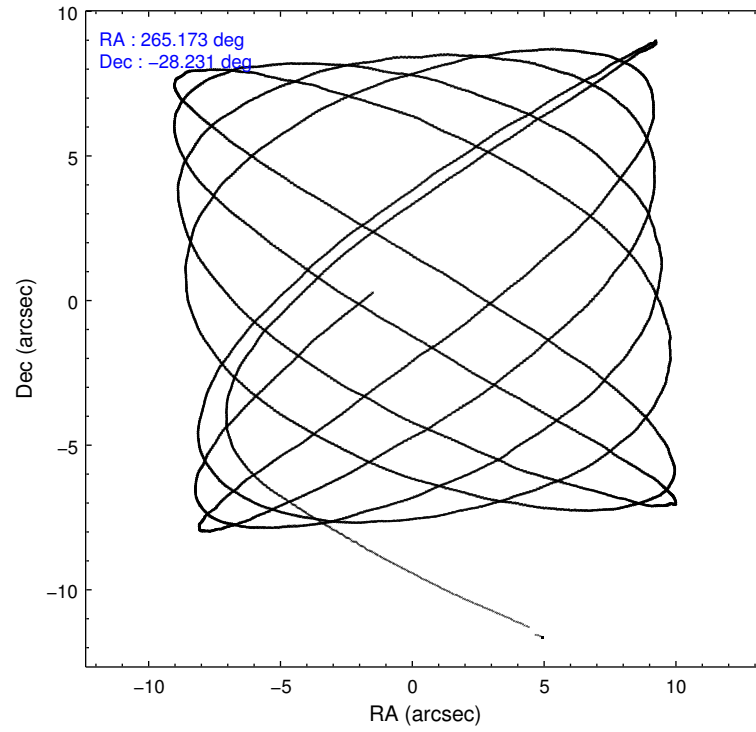
2.1.4 Events

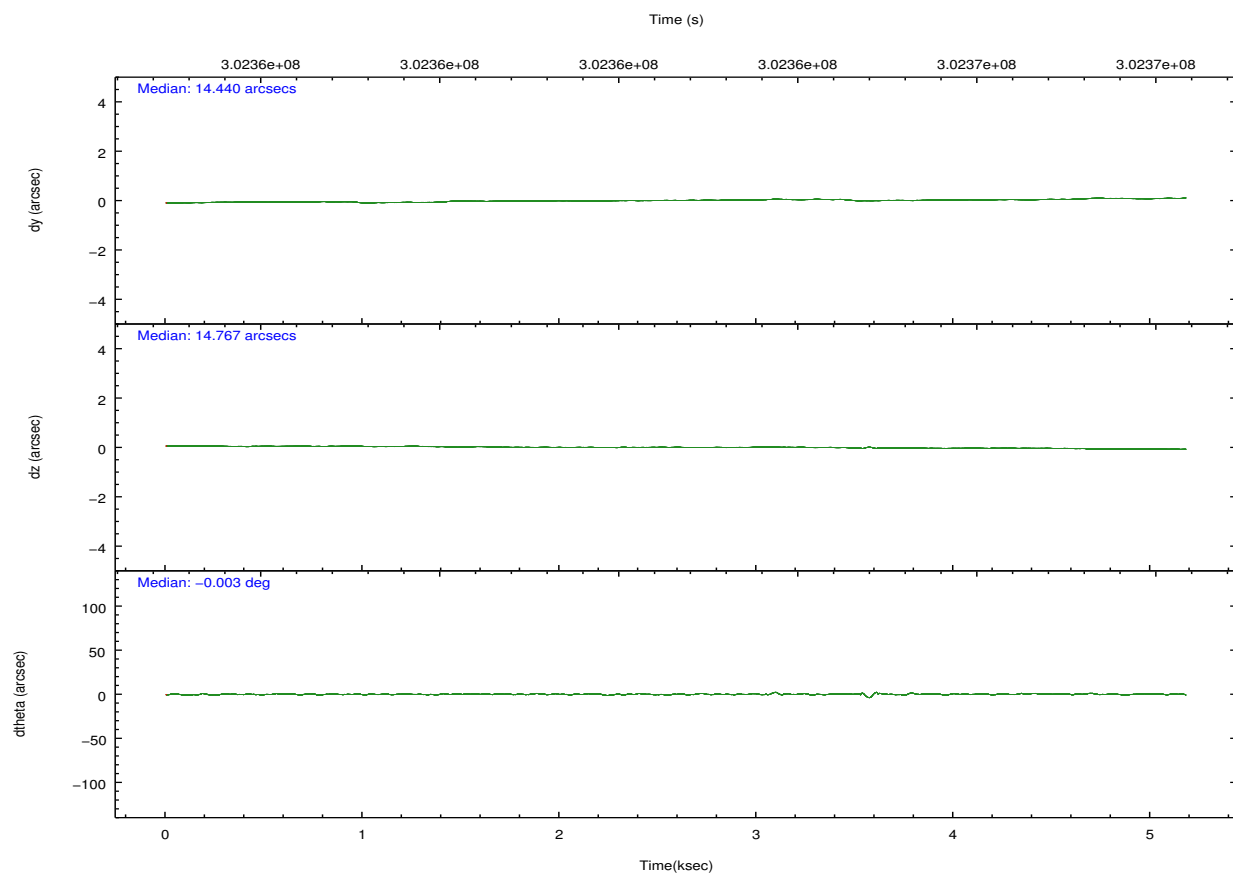
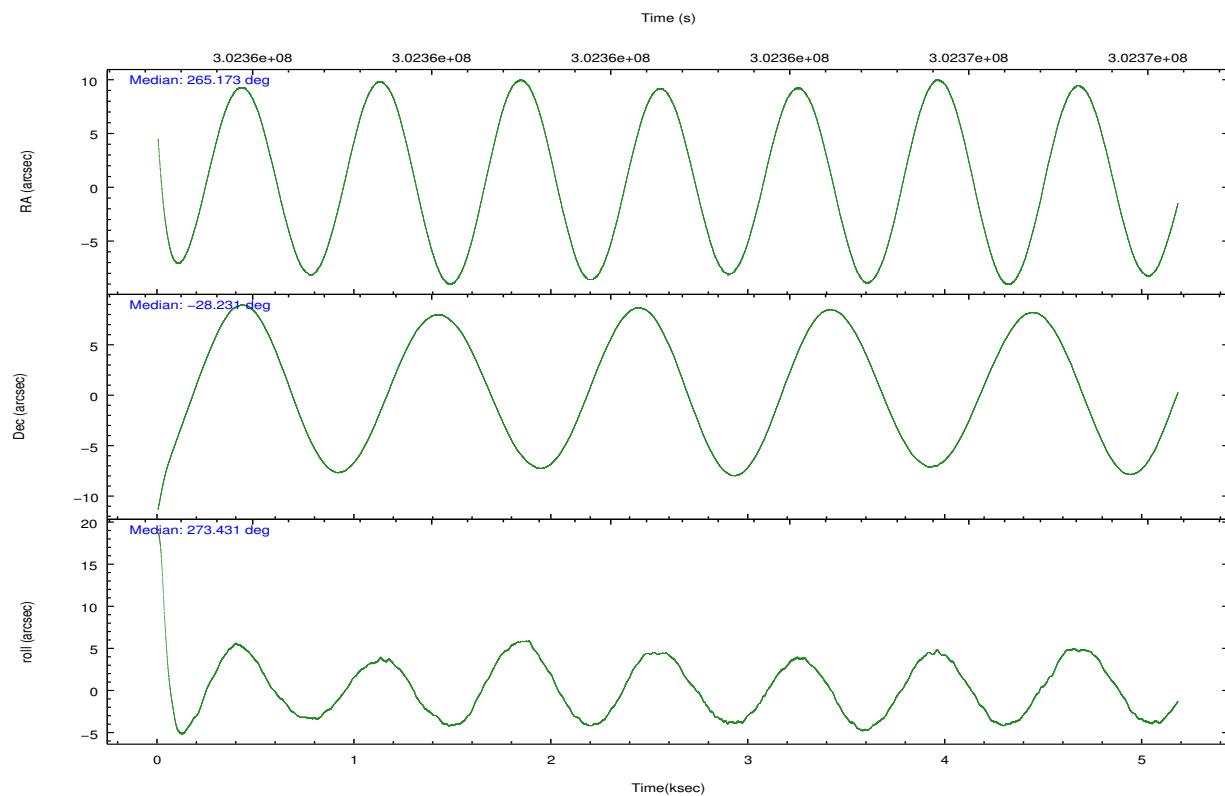
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	56055	50486	81497	63838	73386	67010	grade 0 events	3300	3117	4625	8789	2931	4992
rejected events	49573	44131	45452	48558	43790	52883		5%	6%	5%	13%	3%	7%
rejected %	88%	87%	55%	76%	59%	78%	grade 1 events	38	40	114	794	75	52
								0%	0%	0%	1%	0%	0%
							grade 2 events	1444	1222	11316	2887	6515	3410
								2%	2%	13%	4%	8%	5%
							grade 3 events	574	658	1407	1126	2714	1528
								1%	1%	1%	1%	3%	2%
							grade 4 events	609	588	1301	1119	2675	1466
								1%	1%	1%	1%	3%	2%
							grade 5 events	2116	2309	5734	3014	6832	3188
								3%	4%	7%	4%	9%	4%
							grade 6 events	950	1155	19655	1965	16634	3747
								1%	2%	24%	3%	22%	5%
							grade 7 events	47024	41397	37345	44144	35010	48627
								83%	81%	45%	69%	47%	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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	265.155618	265.1730426053558	CCD I2 on	O2	Y
[deg] Pointing Dec	-28.208551	-28.23121445464697	CCD I3 on	Y	Y
[deg] Pointing Roll	273.277045	273.4419672364178	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	302361913.184000	302360683.86792	CCD S5 on	N	N
Observation start date	2007-08-01T13:24:08	2007-08-01T13:04:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	302366913.184000	302367047.58072	On-chip summing requested	N	N
Observation end date	2007-08-01T14:47:28	2007-08-01T14:50:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



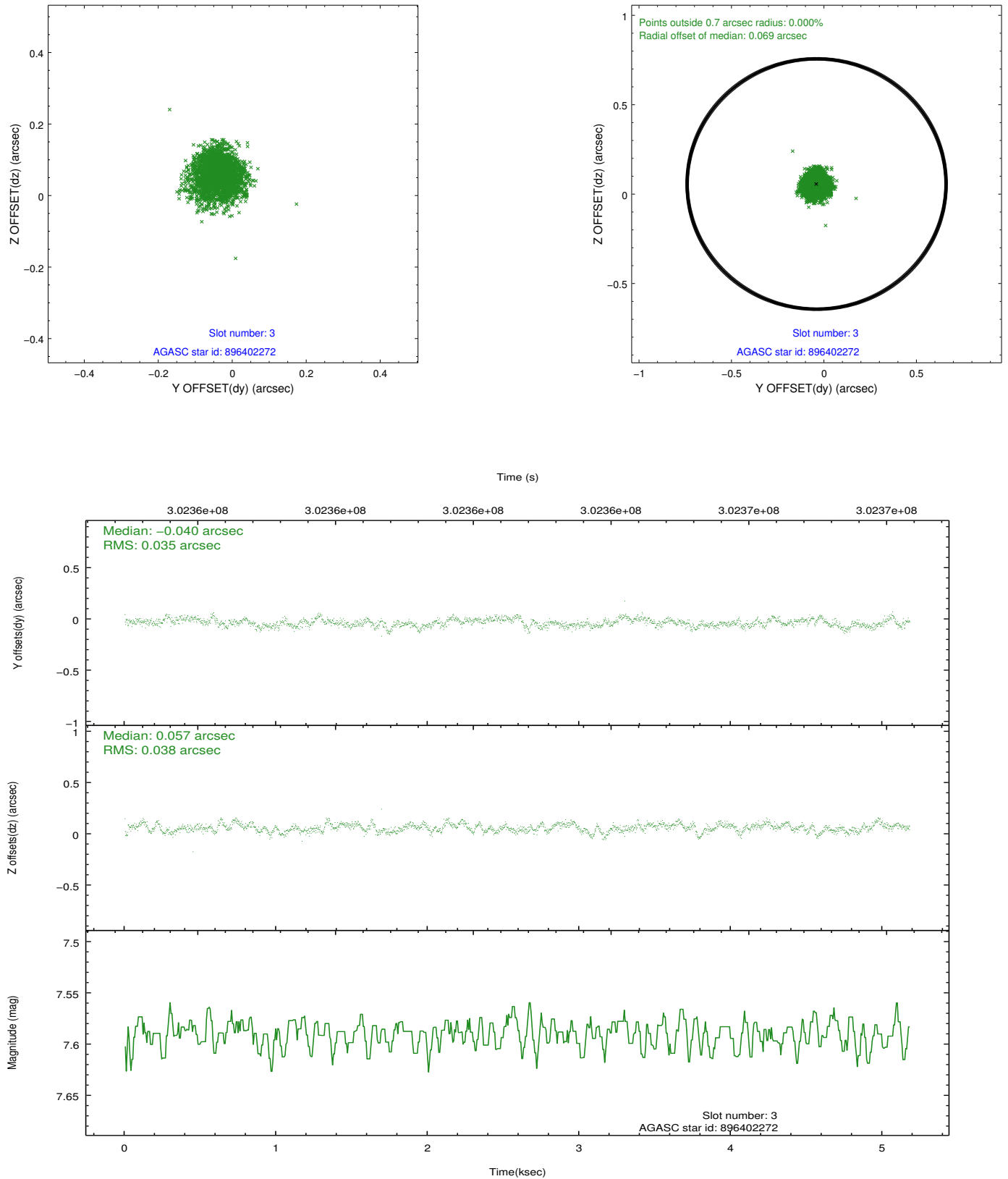


Slot Statistics

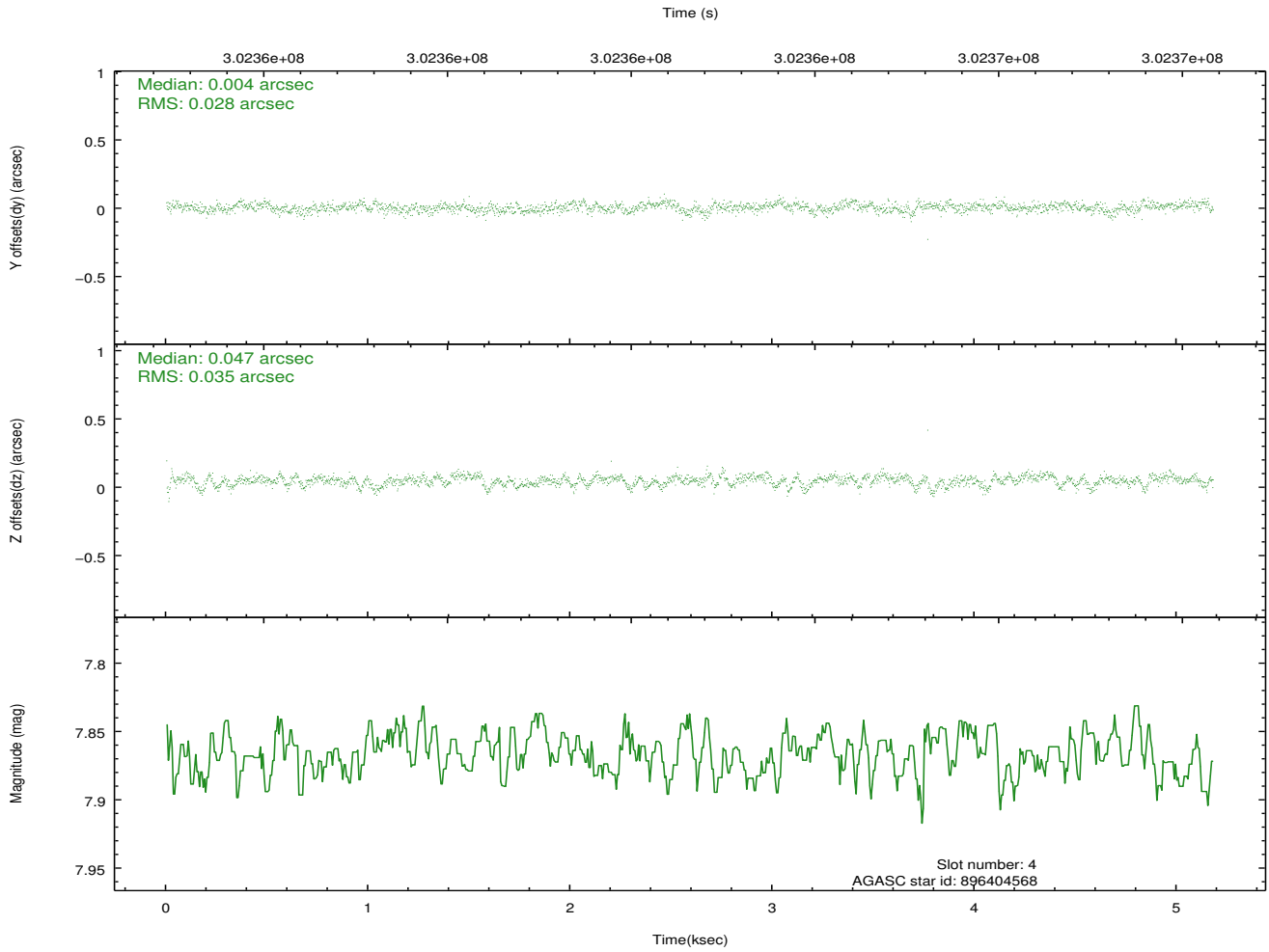
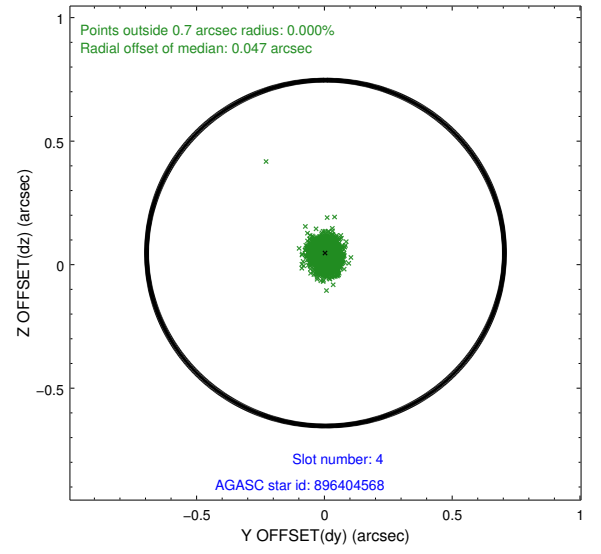
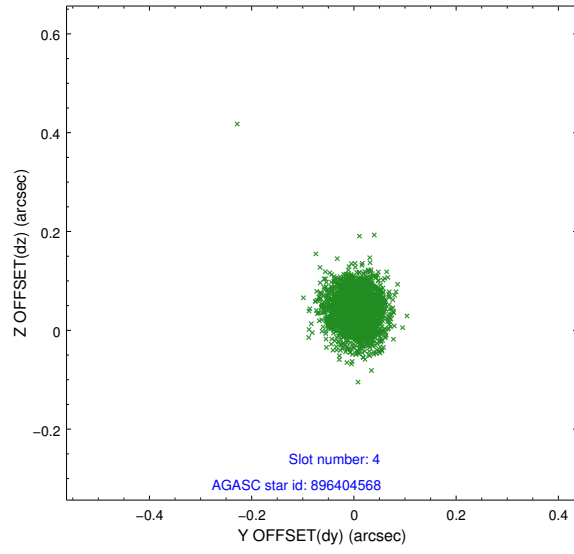
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1264	-0.131	-0.089	0.006	0.010	0.000000	0.000000	-767.55	-1736.16
1	FID	ACIS-S-4	7.19	1264	0.140	0.069	0.007	0.011	0.000000	0.000000	2145.49	171.22
2	FID	ACIS-S-6	7.32	1262	-0.037	0.027	0.007	0.011	0.000000	0.000000	396.07	809.93
3	GUIDE	896402272	7.59	2526	-0.040	0.057	0.055	0.089	265.637294	-28.313189	466.20	1502.72
4	GUIDE	896404568	7.87	2526	0.004	0.047	0.046	0.079	265.687293	-28.431080	899.74	1635.43
5	GUIDE	896405048	8.29	2525	-0.065	0.063	0.056	0.088	264.482575	-28.152230	-317.78	-2120.73
6	GUIDE	896406568	8.25	2525	0.013	-0.031	0.076	0.120	264.435951	-28.437282	699.14	-2322.47
7	GUIDE	896405616	7.83	2525	0.086	-0.137	0.058	0.090	264.752771	-28.412560	663.76	-1316.90

2.4 Star Slots

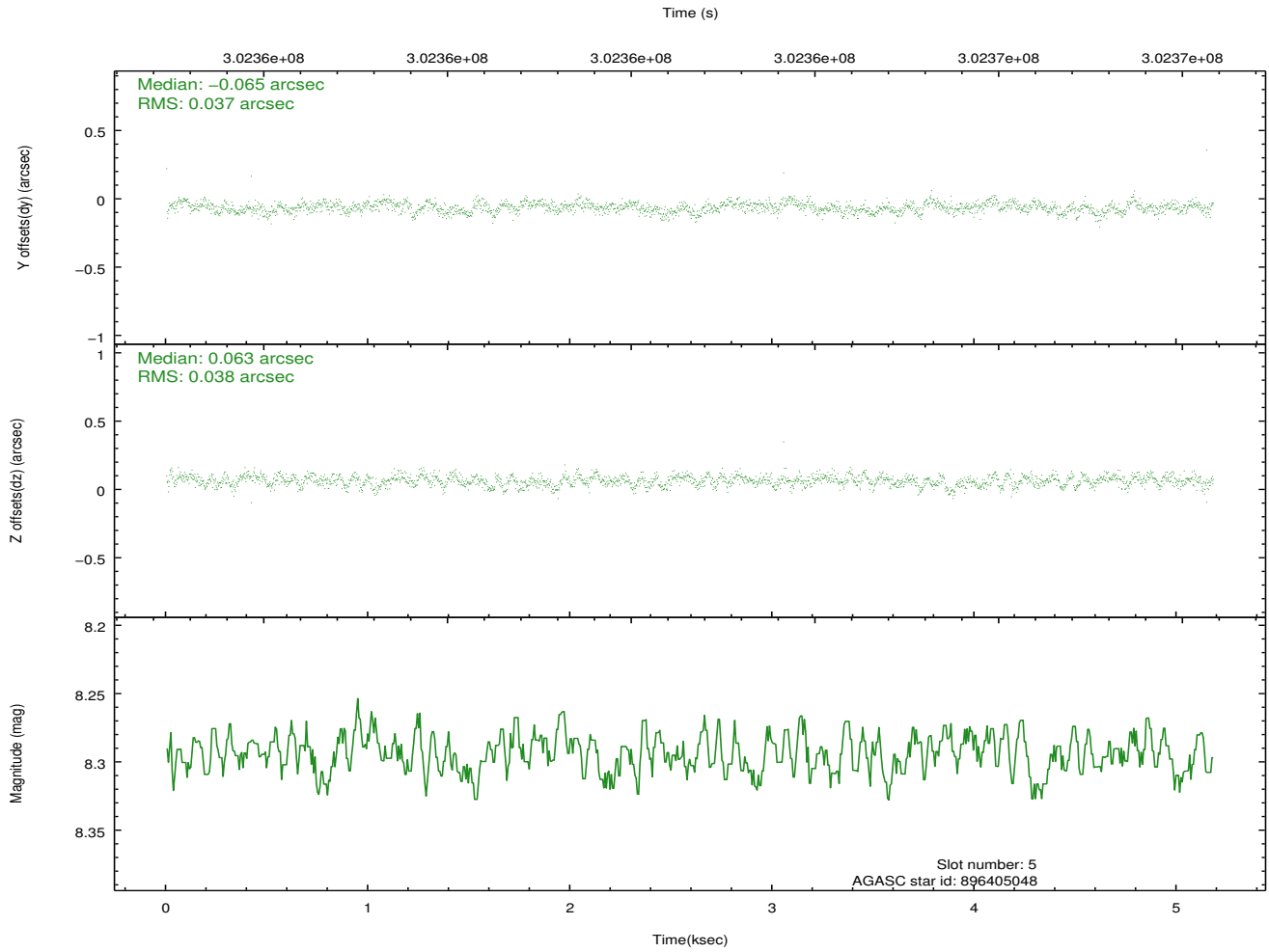
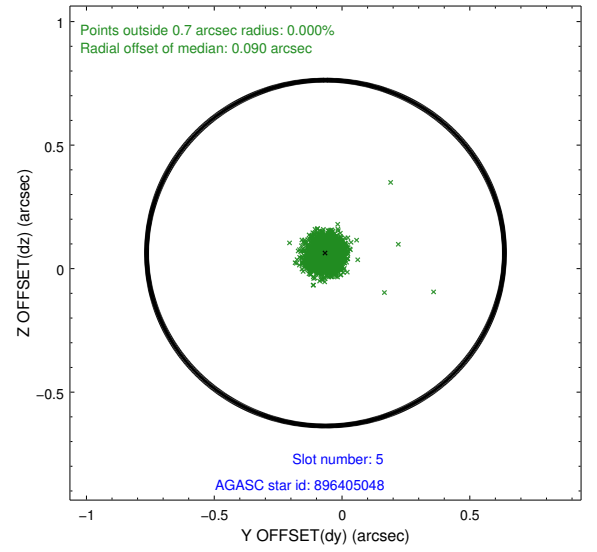
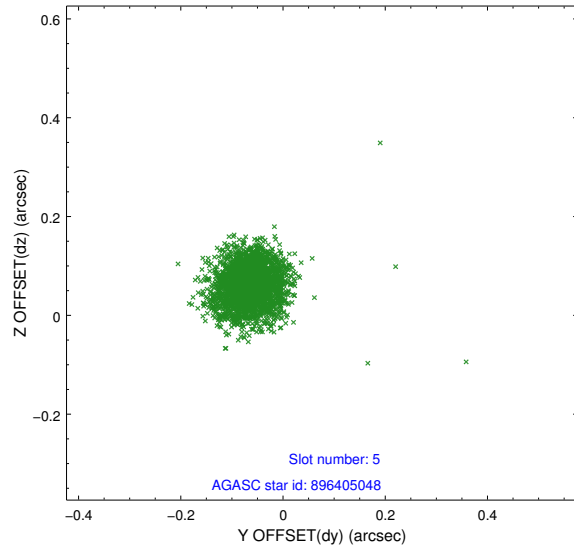
2.4.1 Slot 3



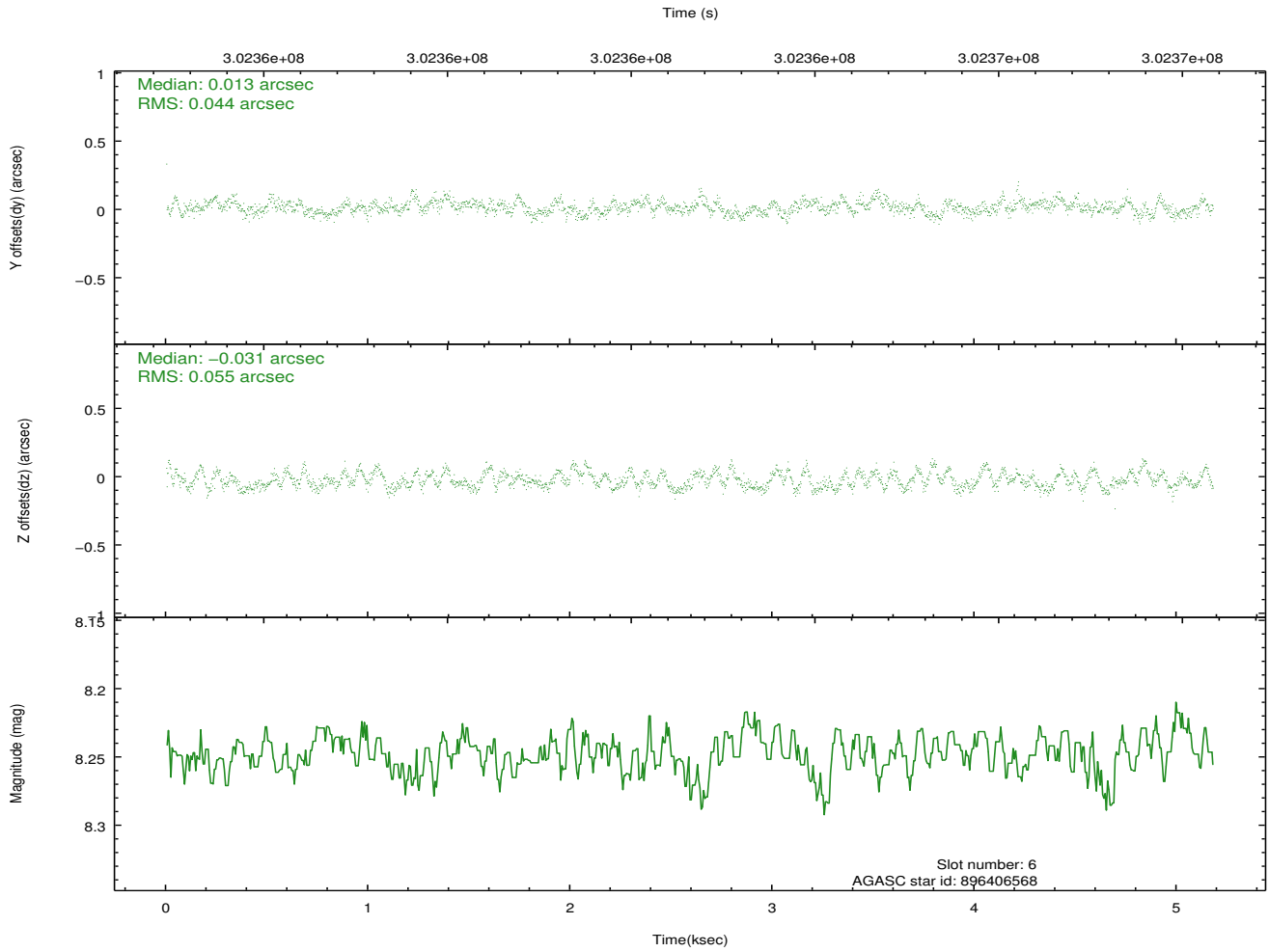
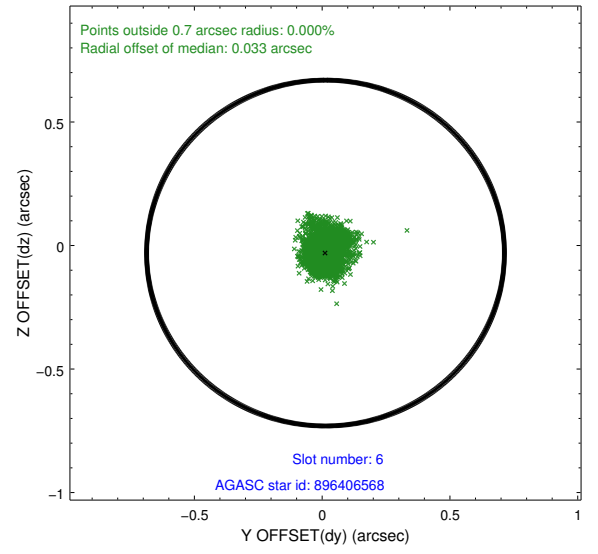
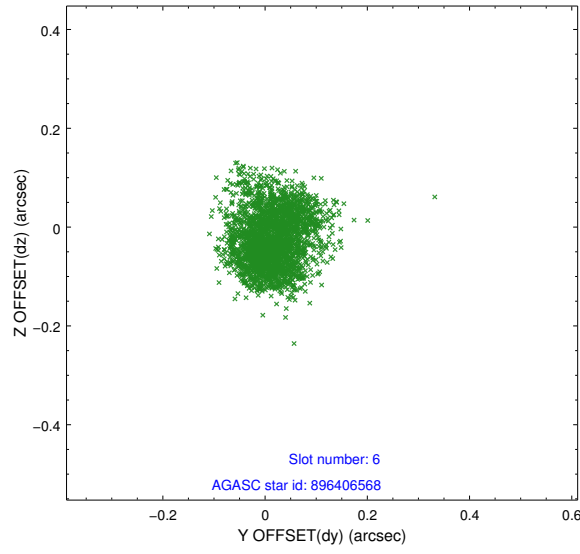
2.4.2 Slot 4



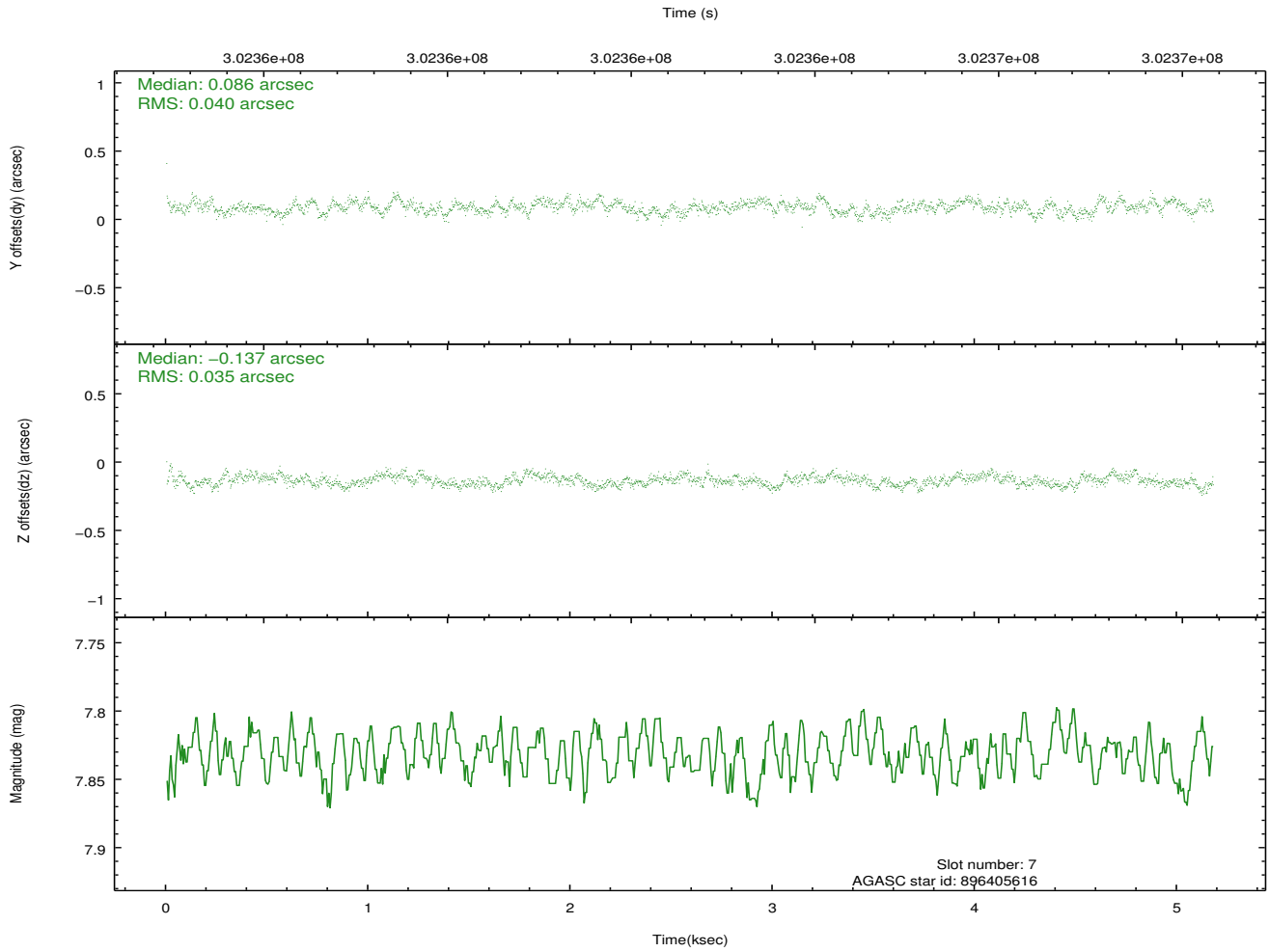
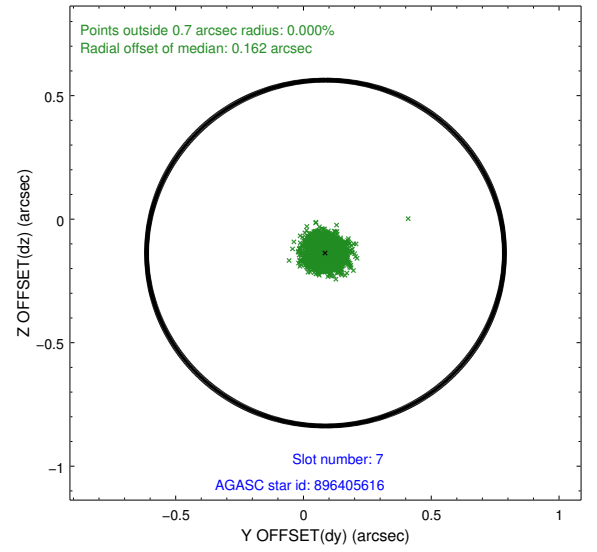
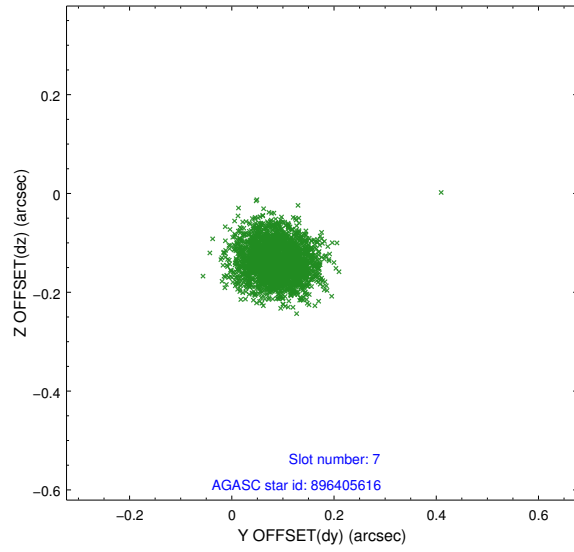
2.4.3 Slot 5



2.4.4 Slot 6

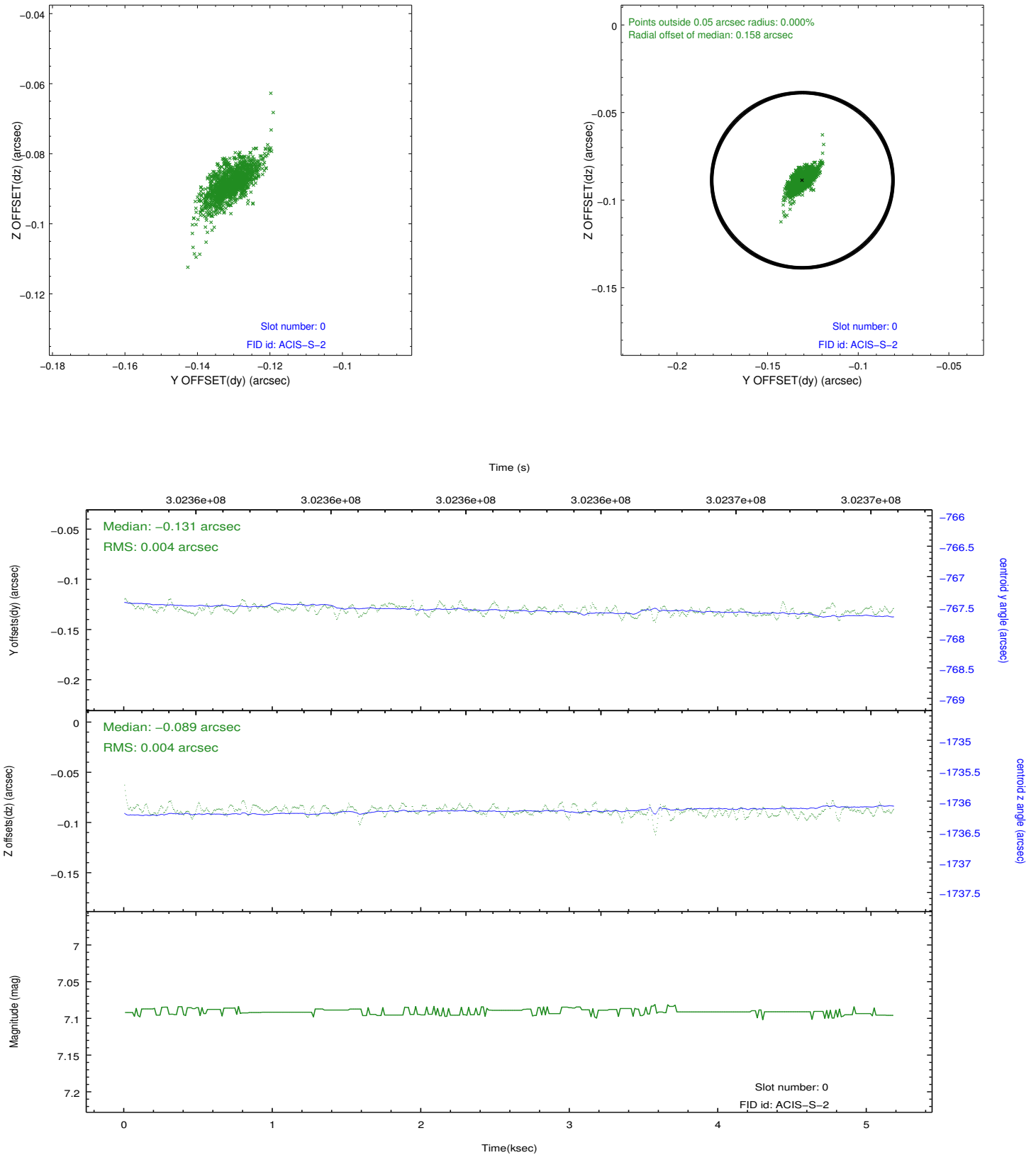


2.4.5 Slot 7

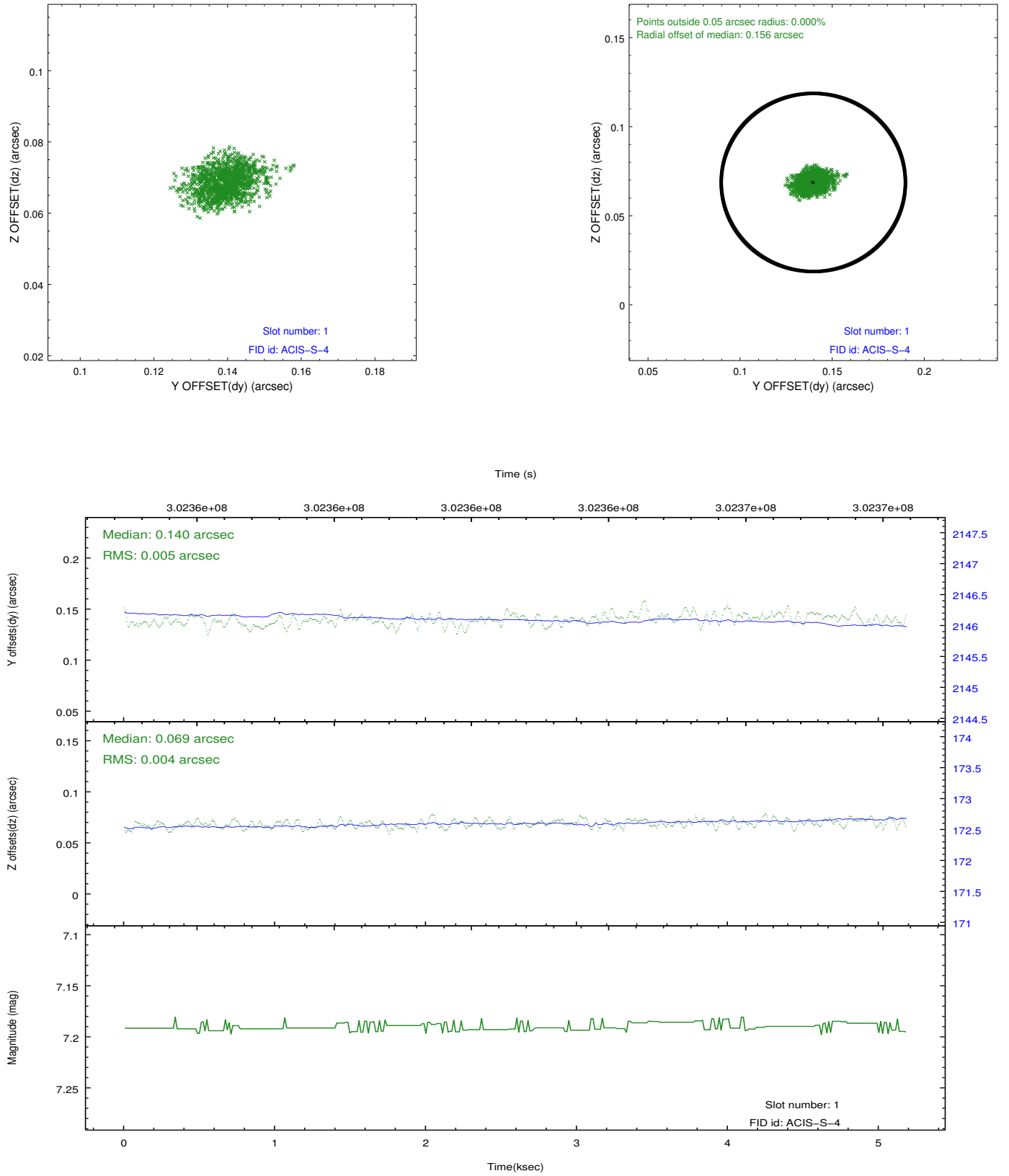


2.5 FID Slots

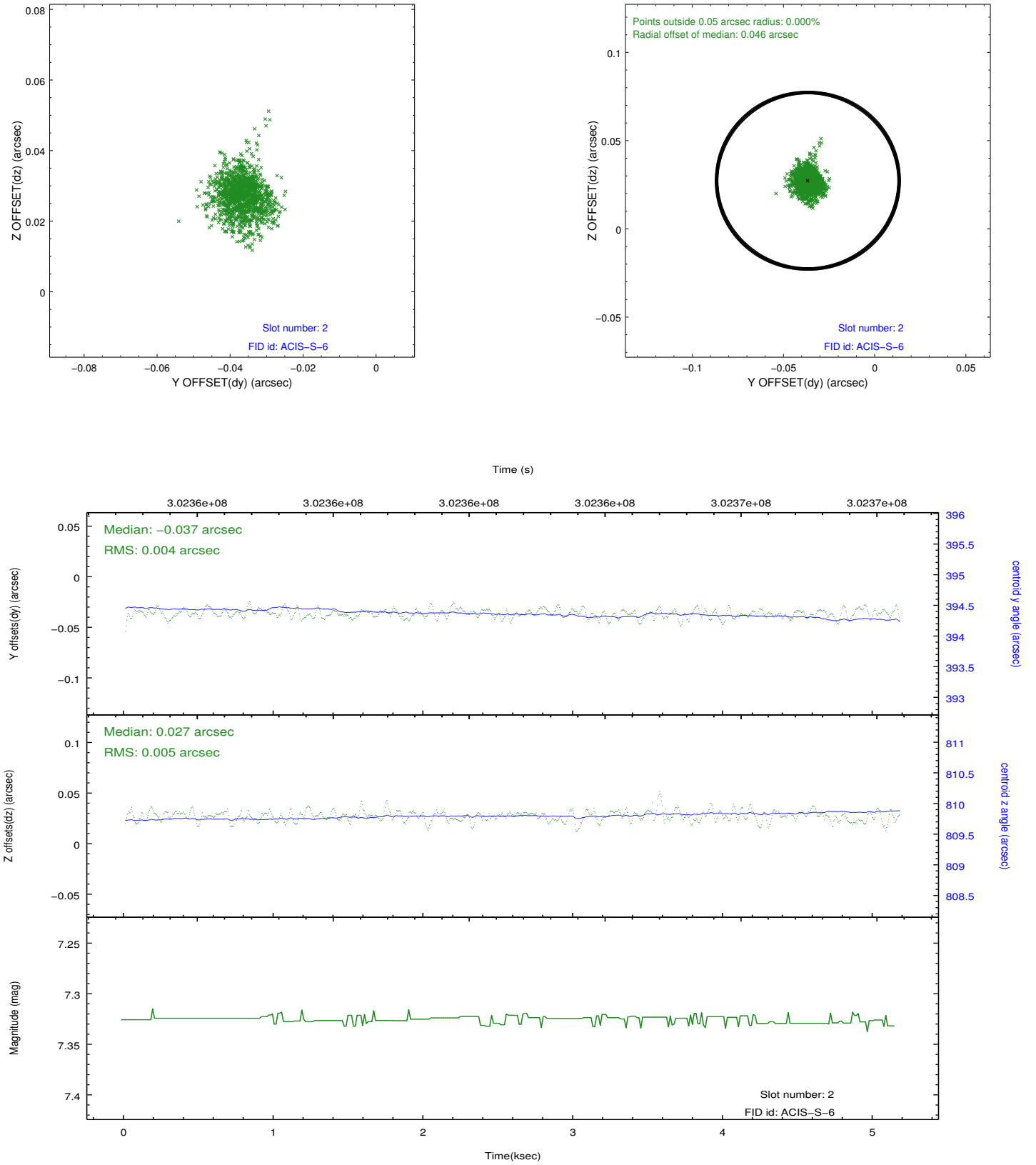
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17439998

A.2 Comments