

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7520 - L2 Version 2
Chandra X-Ray Center

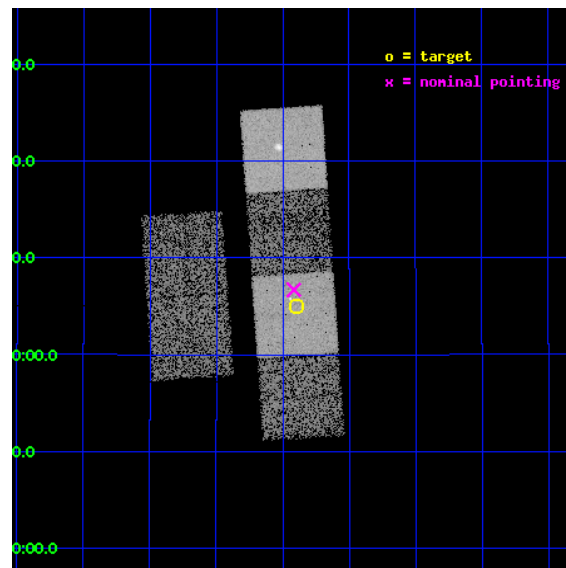
L2 Processing Date : Apr 14 2012

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1 Front

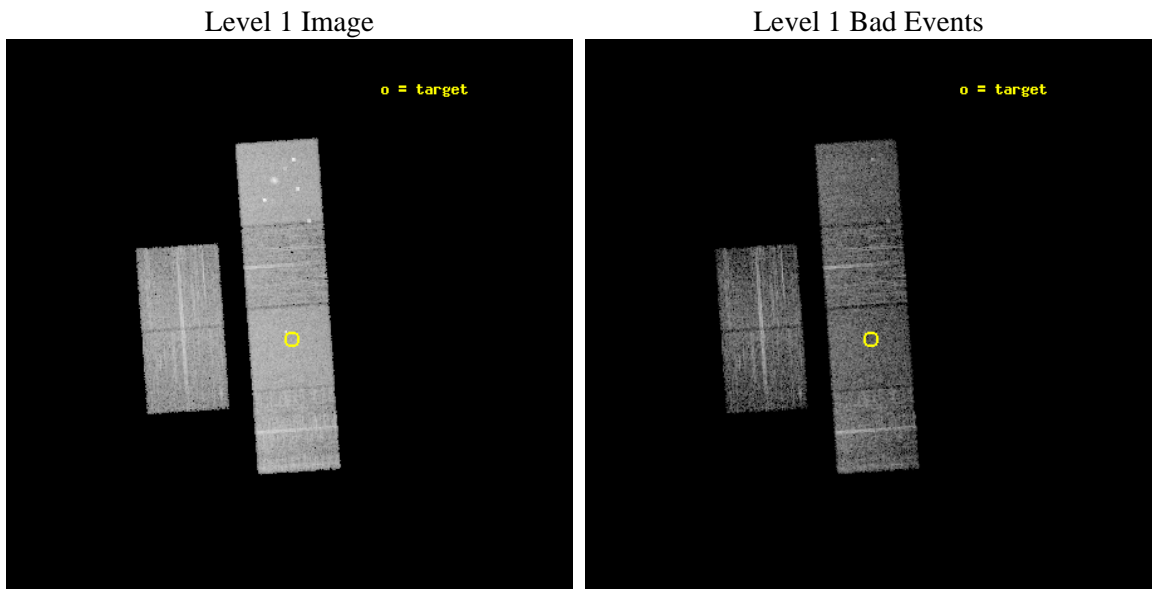
seq_num	400630	Sequence number
obs_id	7520	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J06074+2205	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	91.85	Observer's specified target RA [deg]
dec_targ	22.083	Observer's specified target Dec [deg]
ra_nom	91.853978884723	Nominal RA [deg]
dec_nom	22.11180348331	Nominal Dec [deg]
roll_nom	85.981962212997	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4998.2643386722	Sum of GTIs [s]
livetime	4934.9733060224	Livetime [s]
ontime2	4998.3053786755	Sum of GTIs [s]
ontime3	4998.1412186623	Sum of GTIs [s]
ontime5	4998.2232986689	Sum of GTIs [s]
ontime6	4998.1822586656	Sum of GTIs [s]
ontime7	4998.2643386722	Sum of GTIs [s]
ontime8	4998.100178659	Sum of GTIs [s]
l2events	76694	Number of level 2 events



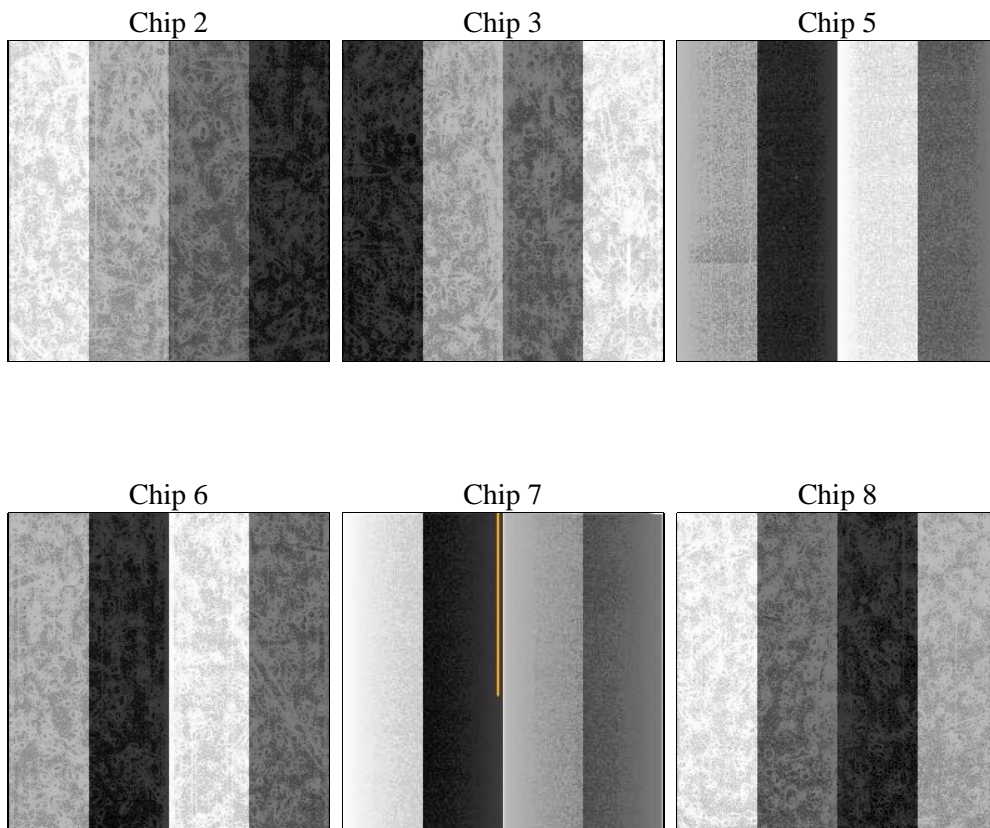
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.829000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4998.2643386722	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4998.3053786755	Sum of GTIs [s]
date	2012-04-14T16:45:05	Date and time of file creation	ontime3	4998.1412186623	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4998.2232986689	Sum of GTIs [s]
			ontime6	4998.1822586656	Sum of GTIs [s]
			ontime7	4998.2643386722	Sum of GTIs [s]
			ontime8	4998.100178659	Sum of GTIs [s]
			l1events	331214	Number of level 1 events

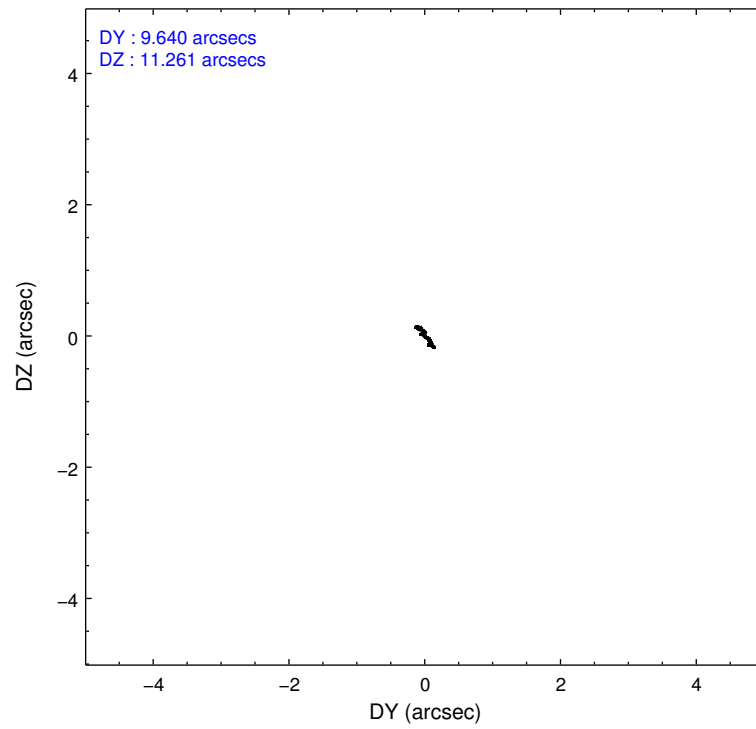
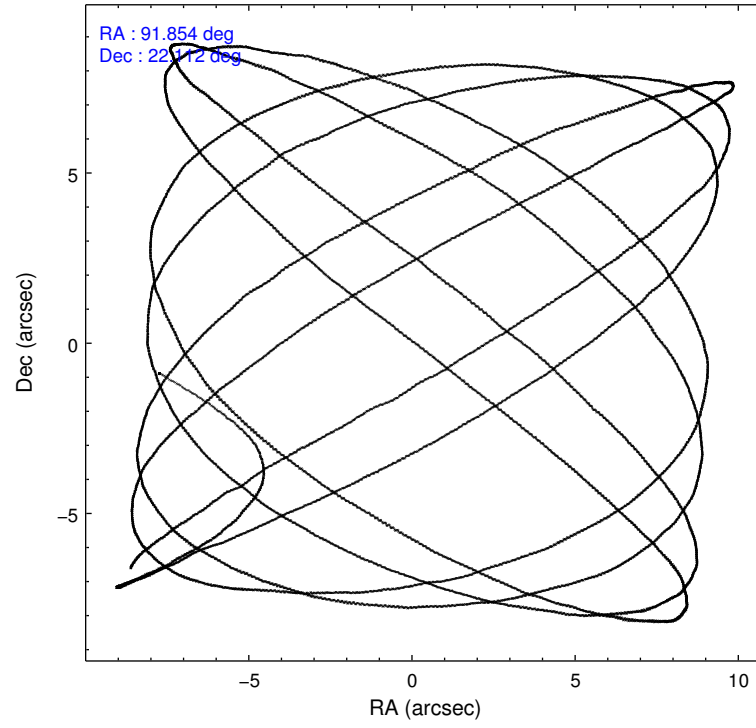
2.1.4 Events

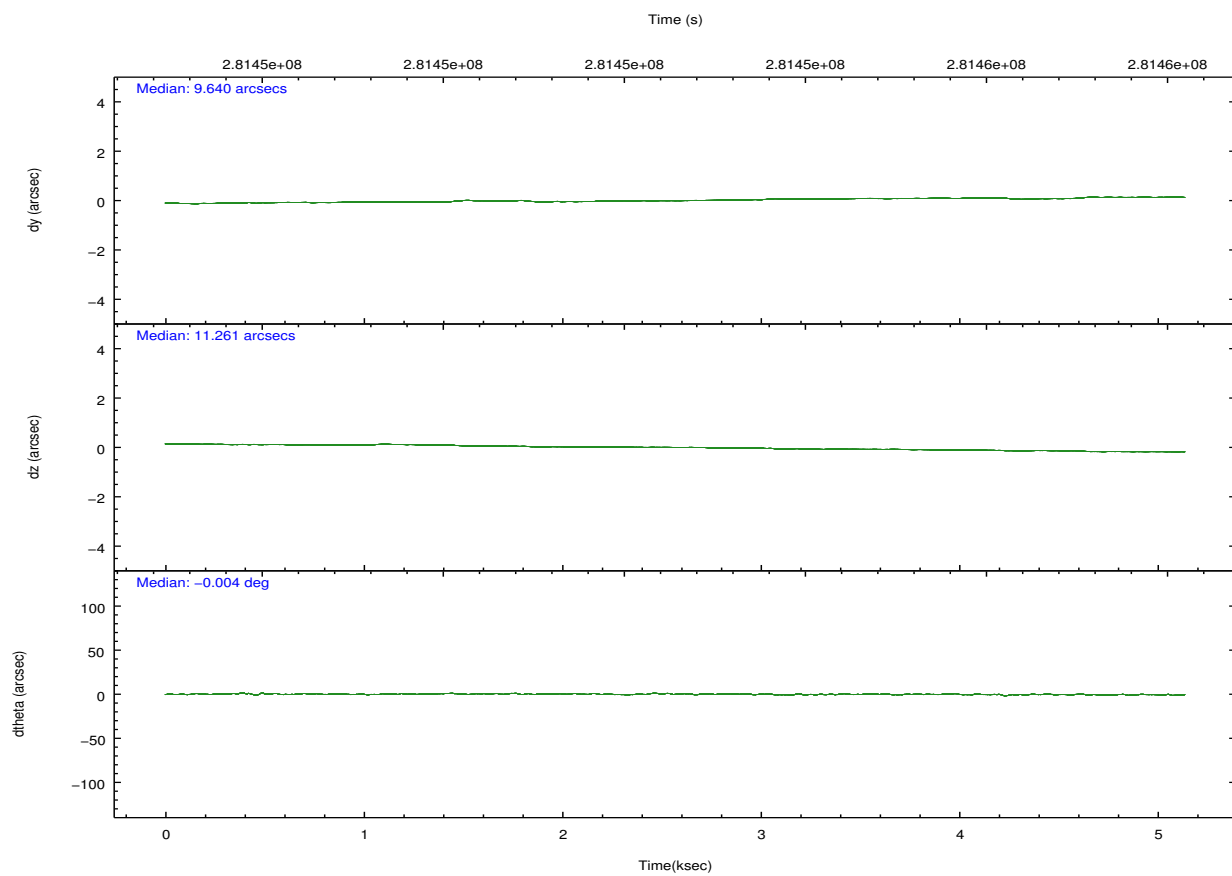
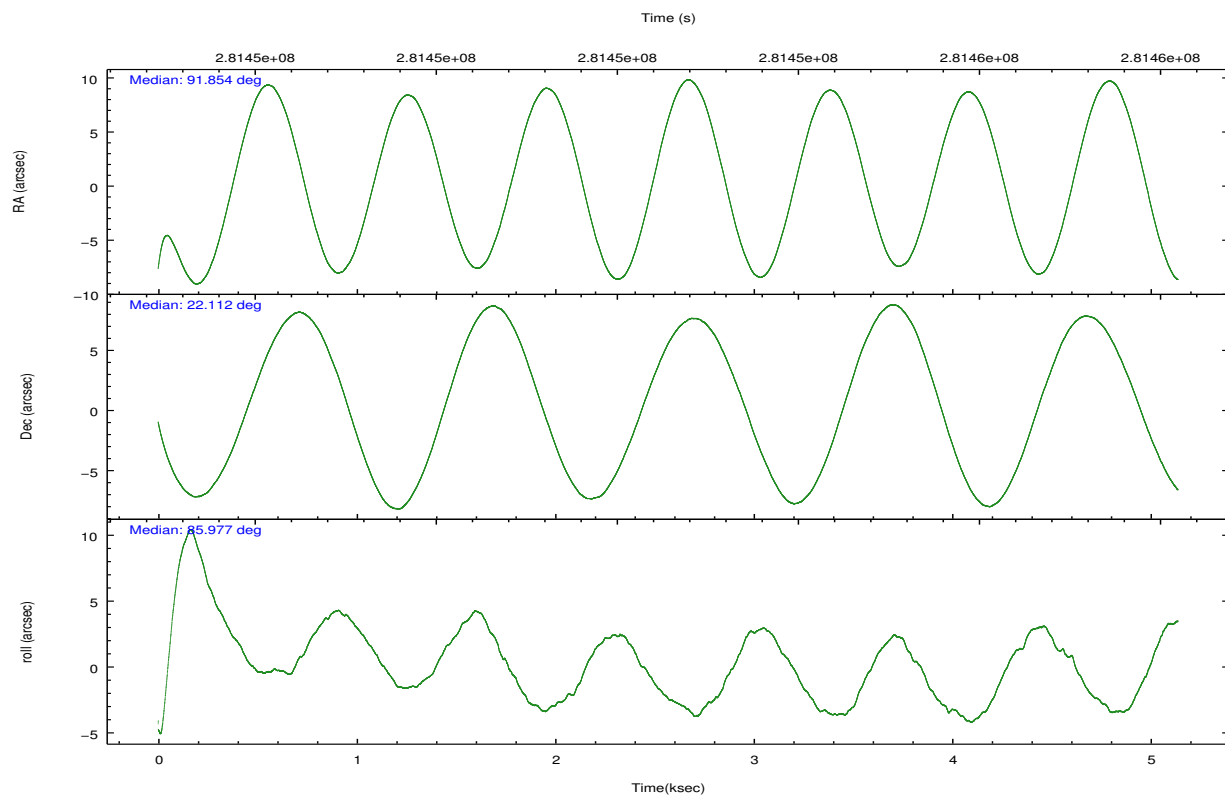
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46501	42022	72867	46040	63275	60509	grade 0 events	2431	2238	4935	2056	2346	4054
rejected events	41034	36760	37484	40643	36921	46704		5%	5%	6%	4%	3%	6%
rejected %	88%	87%	51%	88%	58%	77%	grade 1 events	26	28	178	19	61	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	1124	1052	10674	1198	5360	3139
								2%	2%	14%	2%	8%	5%
							grade 3 events	474	514	1258	517	2246	1402
								1%	1%	1%	1%	3%	2%
							grade 4 events	534	535	1276	509	2227	1356
								1%	1%	1%	1%	3%	2%
							grade 5 events	1785	2056	5026	2192	5917	2819
								3%	4%	6%	4%	9%	4%
							grade 6 events	910	927	17277	1124	14220	3861
								1%	2%	23%	2%	22%	6%
							grade 7 events	39217	34672	32243	38425	30898	43822
								84%	82%	44%	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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	91.867312	91.85397888472315	CCD I2 on	O2	Y
[deg] Pointing Dec	22.087509	22.11180348330978	CCD I3 on	Y	Y
[deg] Pointing Roll	85.820341	85.98196221299679	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)	281450854.184000	281449870.04707	CCD S5 on	N	N
Observation start date	2006-12-02T12:46:29	2006-12-02T12:31:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	281455854.184000	281456078.98487	On-chip summing requested	N	N
Observation end date	2006-12-02T14:09:49	2006-12-02T14:14:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



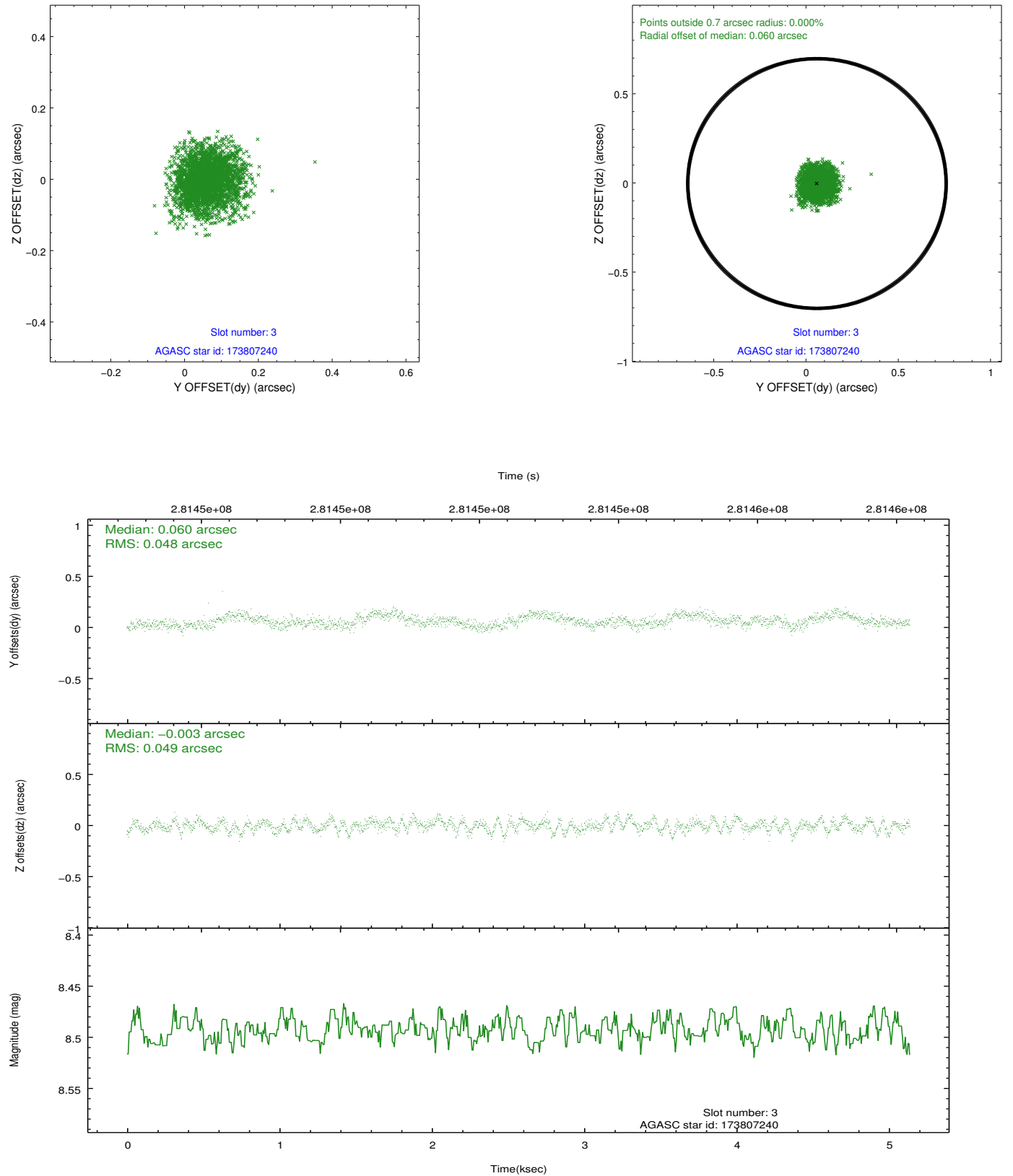


Slot Statistics

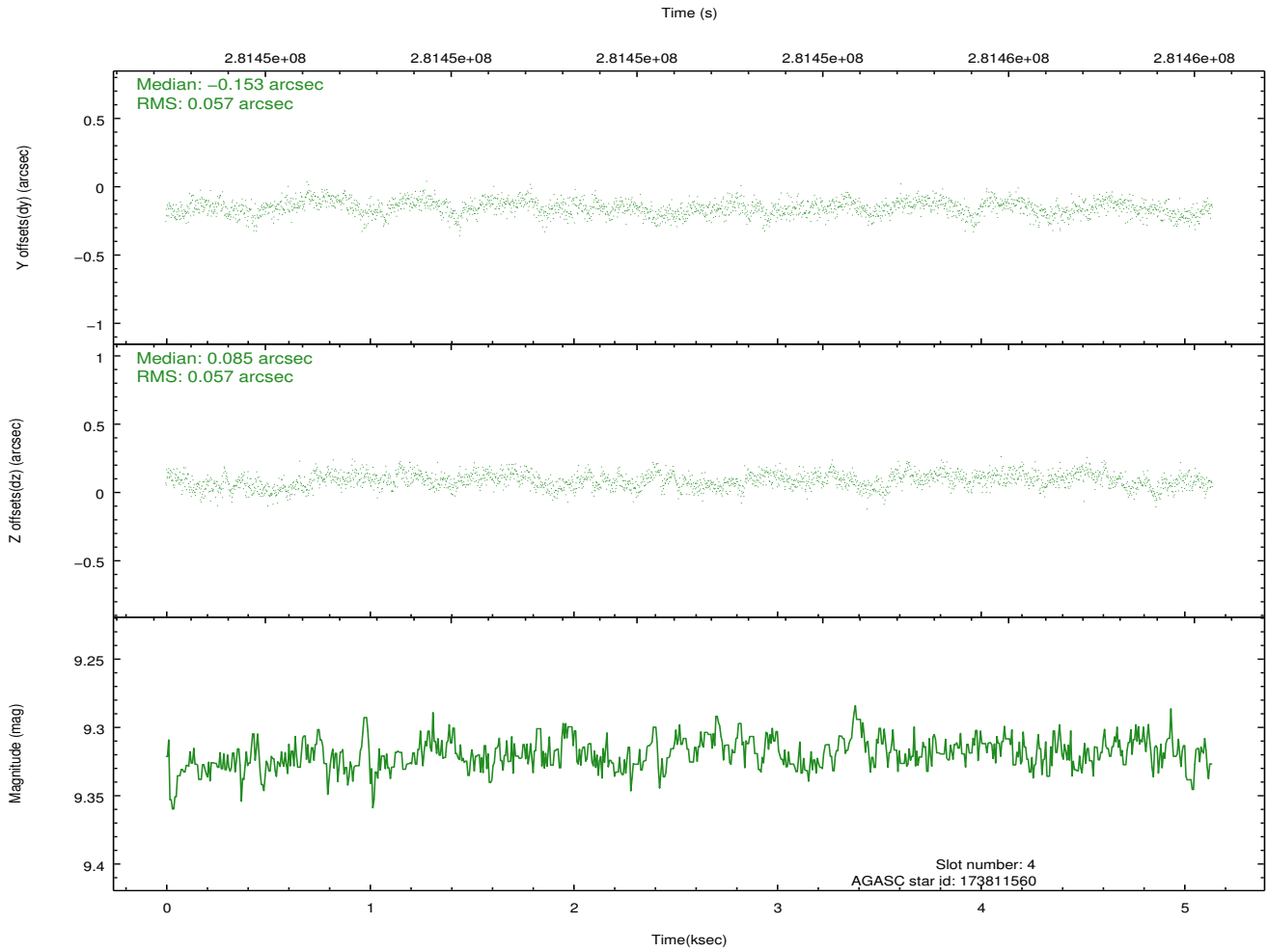
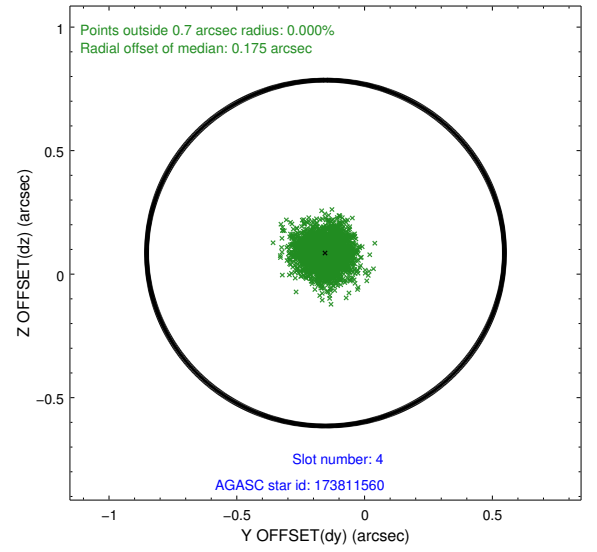
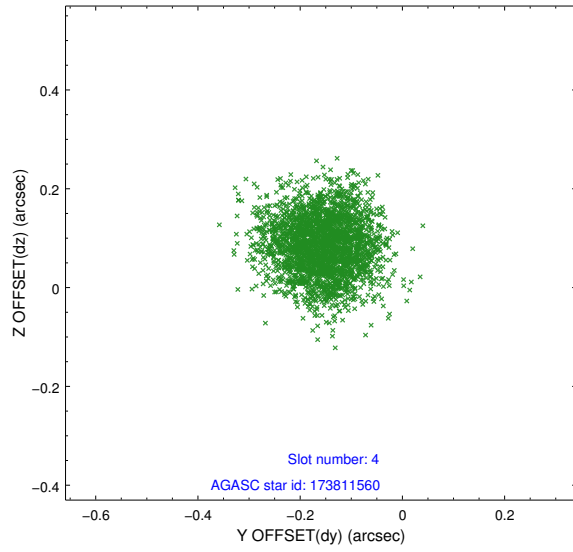
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1254	-0.046	-0.023	0.013	0.020	0.000000	0.000000	-762.51	-1732.51
1	FID	ACIS-S-4	7.21	1254	0.159	0.028	0.011	0.022	0.000000	0.000000	2150.42	174.83
2	FID	ACIS-S-5	7.23	1254	-0.145	0.004	0.013	0.024	0.000000	0.000000	-1813.95	169.79
3	GUIDE	173807240	8.49	2507	0.060	-0.003	0.073	0.116	92.115985	21.780242	-1041.43	-909.69
4	GUIDE	173811560	9.32	2507	-0.153	0.085	0.087	0.138	92.361467	22.428857	1347.94	-1550.63
5	GUIDE	244334128	7.31	2508	-0.209	0.113	0.060	0.097	91.945199	22.707676	2246.27	-95.67
6	GUIDE	173680872	9.07	2508	0.151	-0.136	0.077	0.124	91.305012	21.847783	-993.01	1810.89
7	GUIDE	173685096	8.93	2504	0.153	-0.060	0.085	0.137	91.492528	21.497831	-2207.33	1097.75

2.4 Star Slots

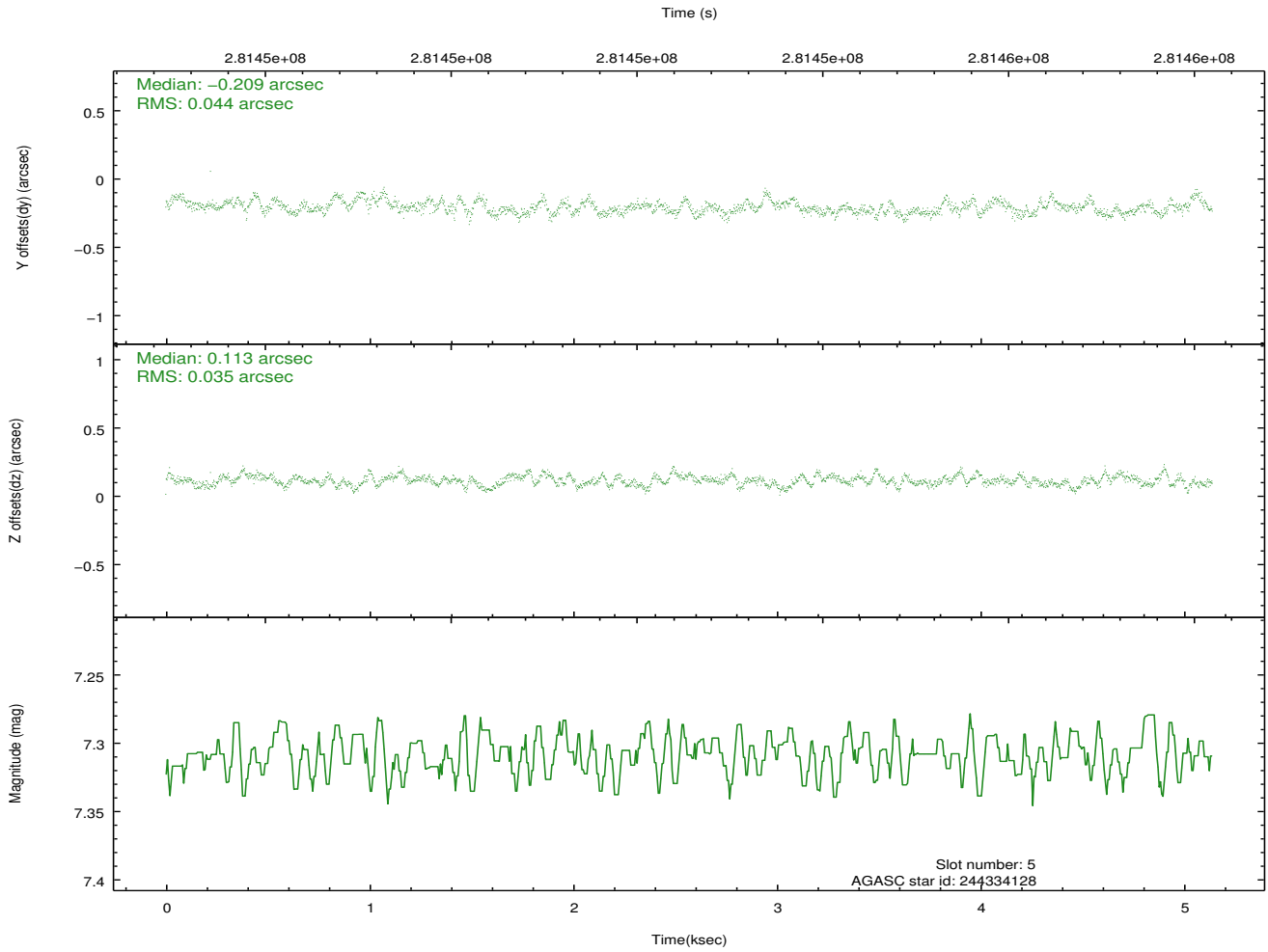
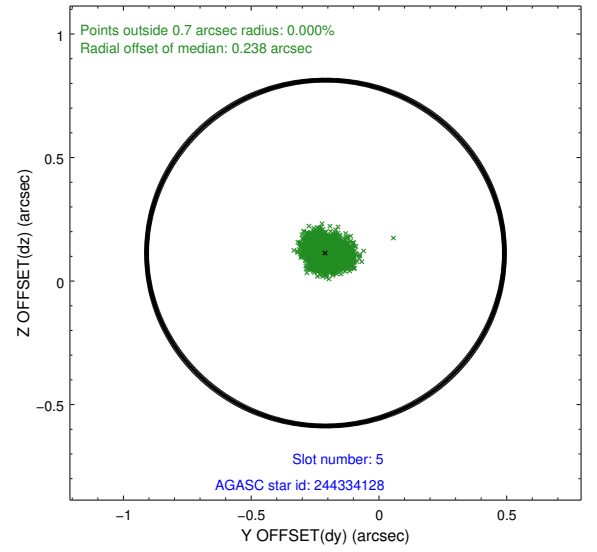
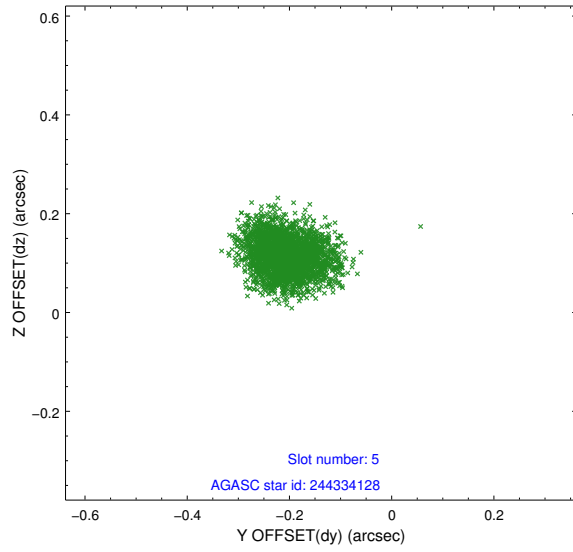
2.4.1 Slot 3



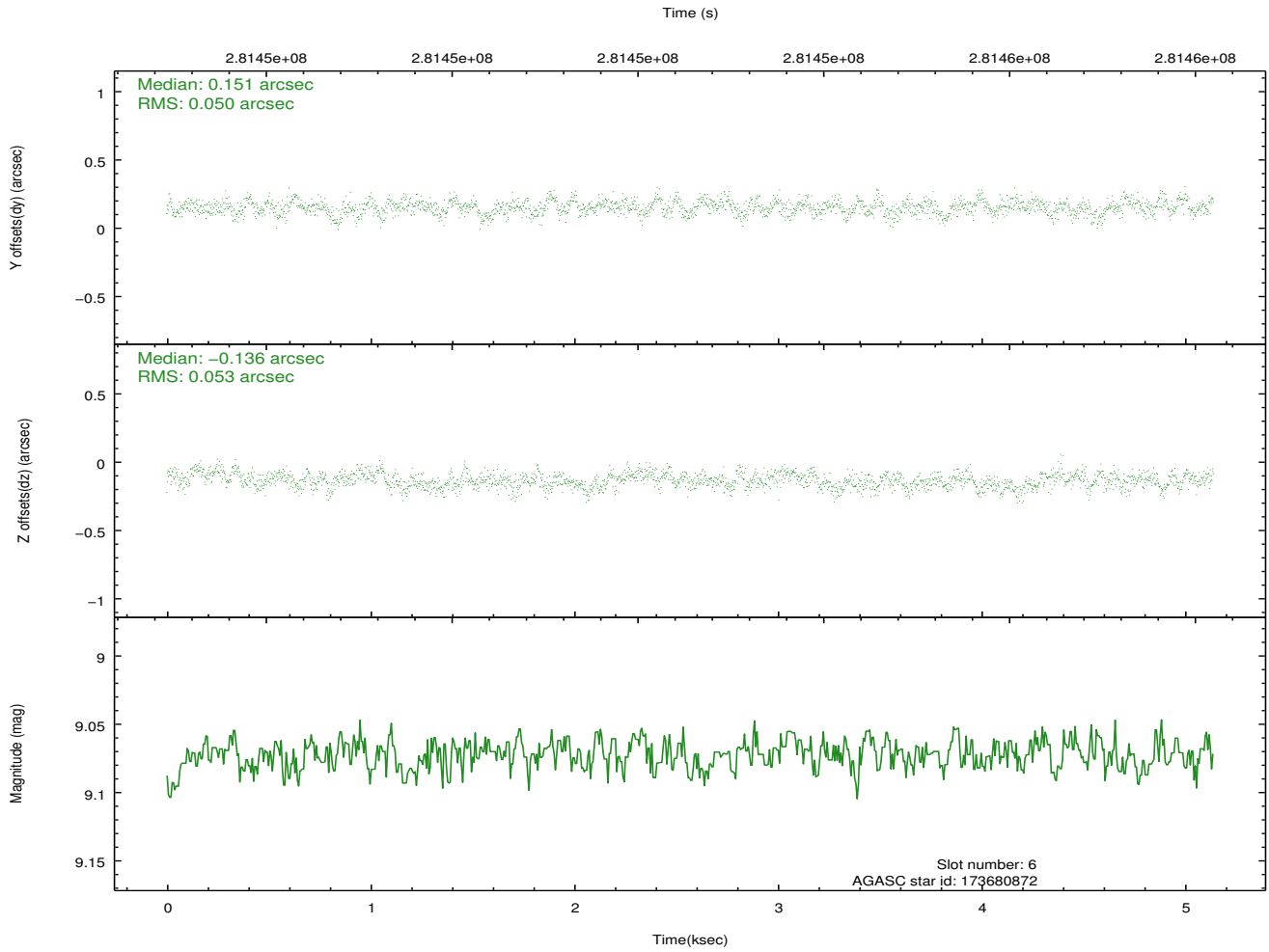
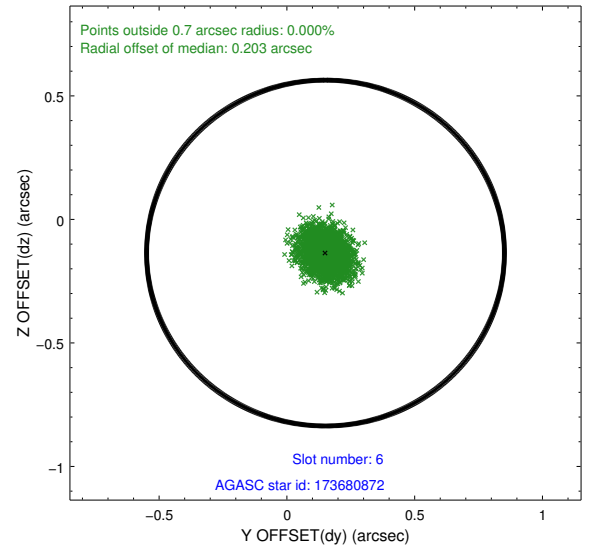
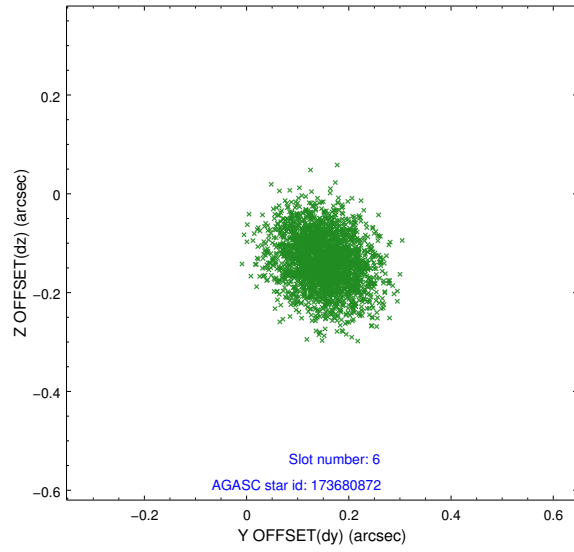
2.4.2 Slot 4



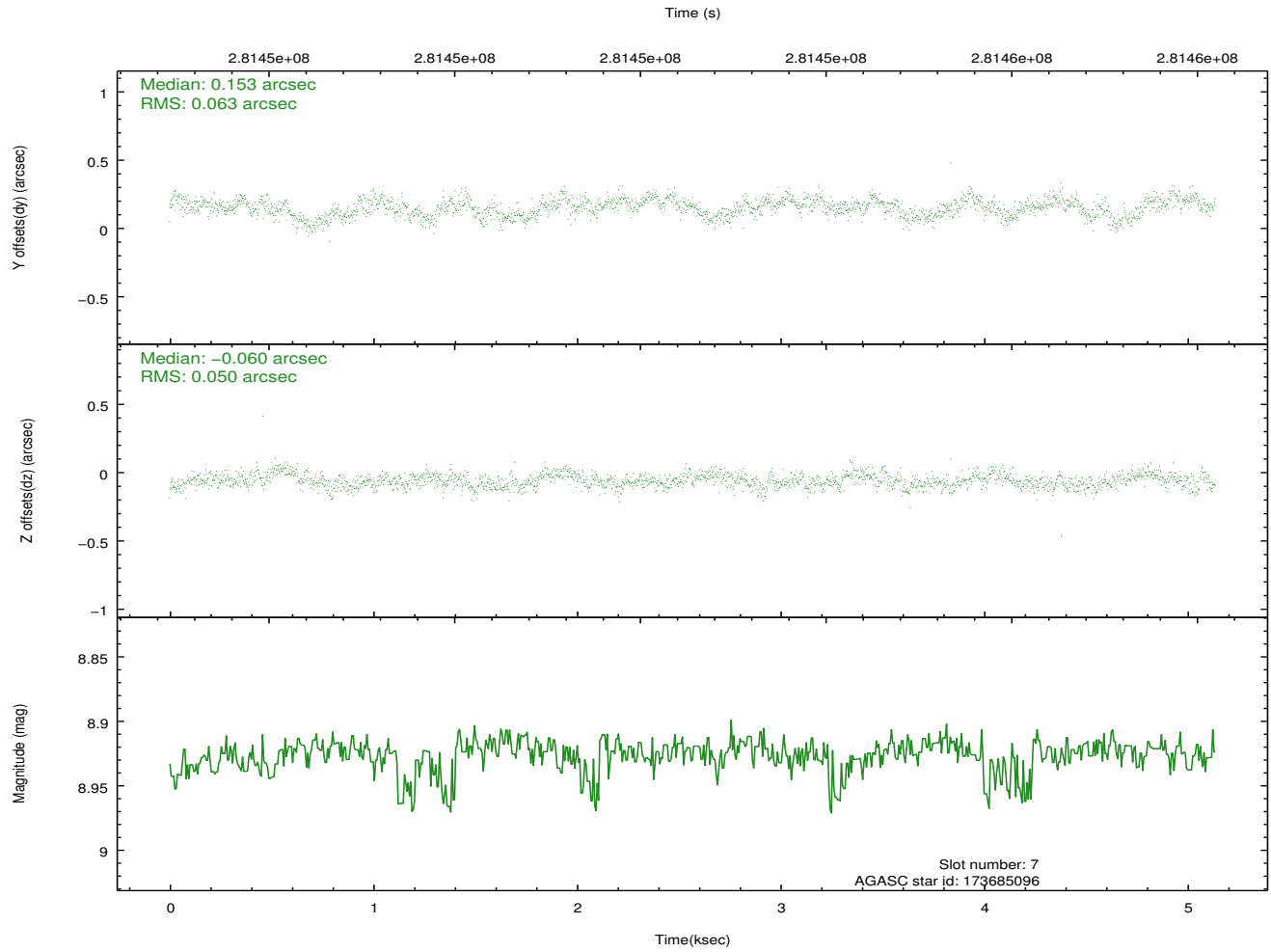
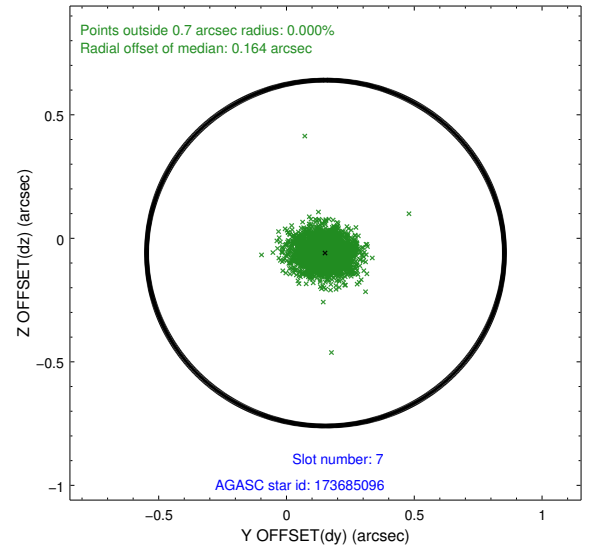
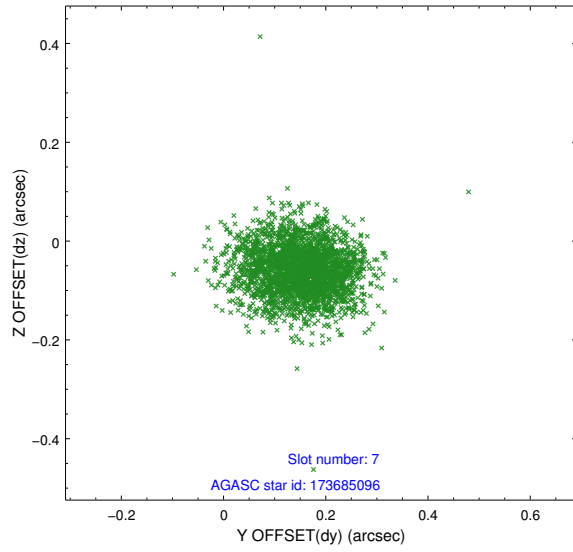
2.4.3 Slot 5



2.4.4 Slot 6

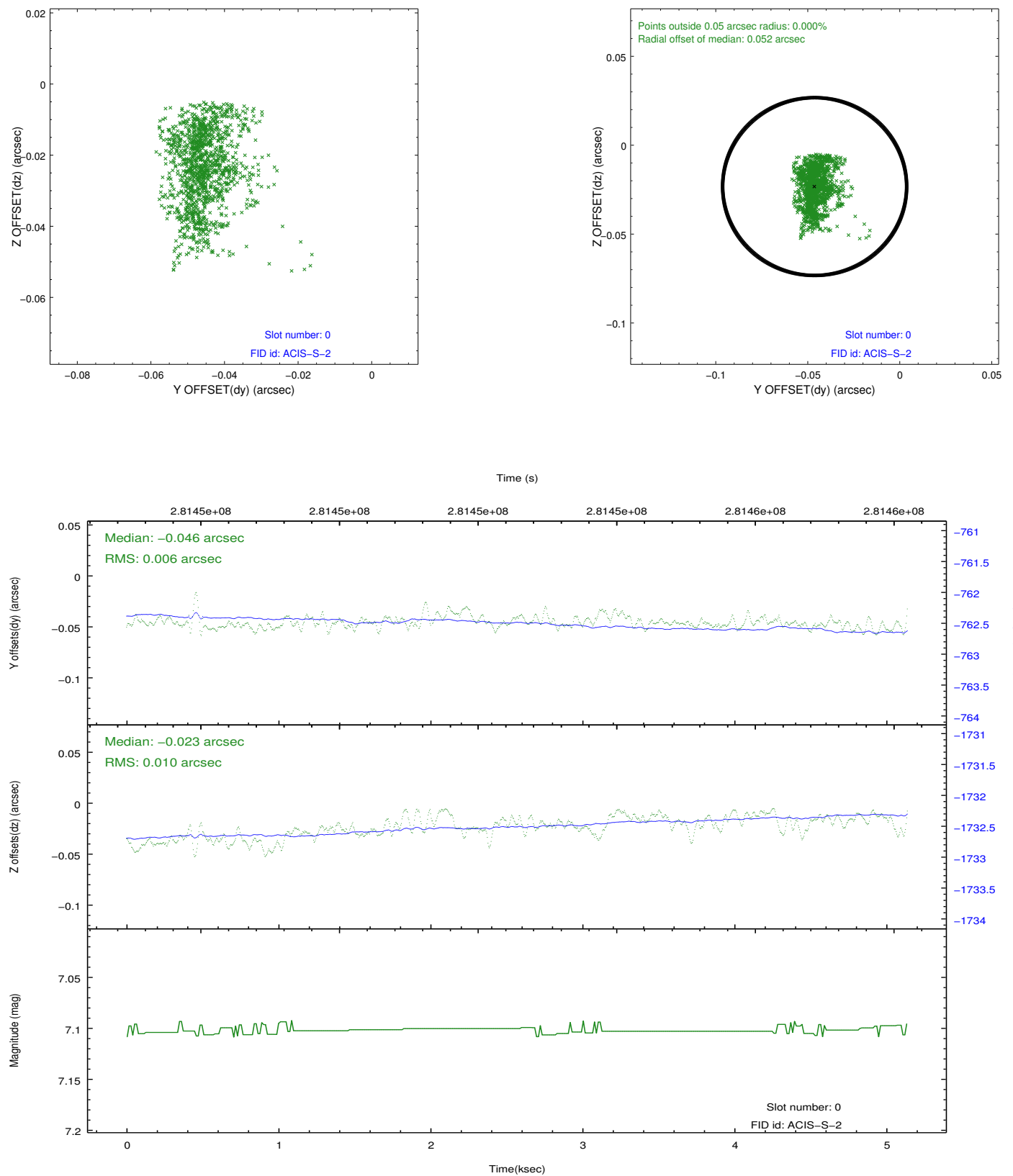


2.4.5 Slot 7

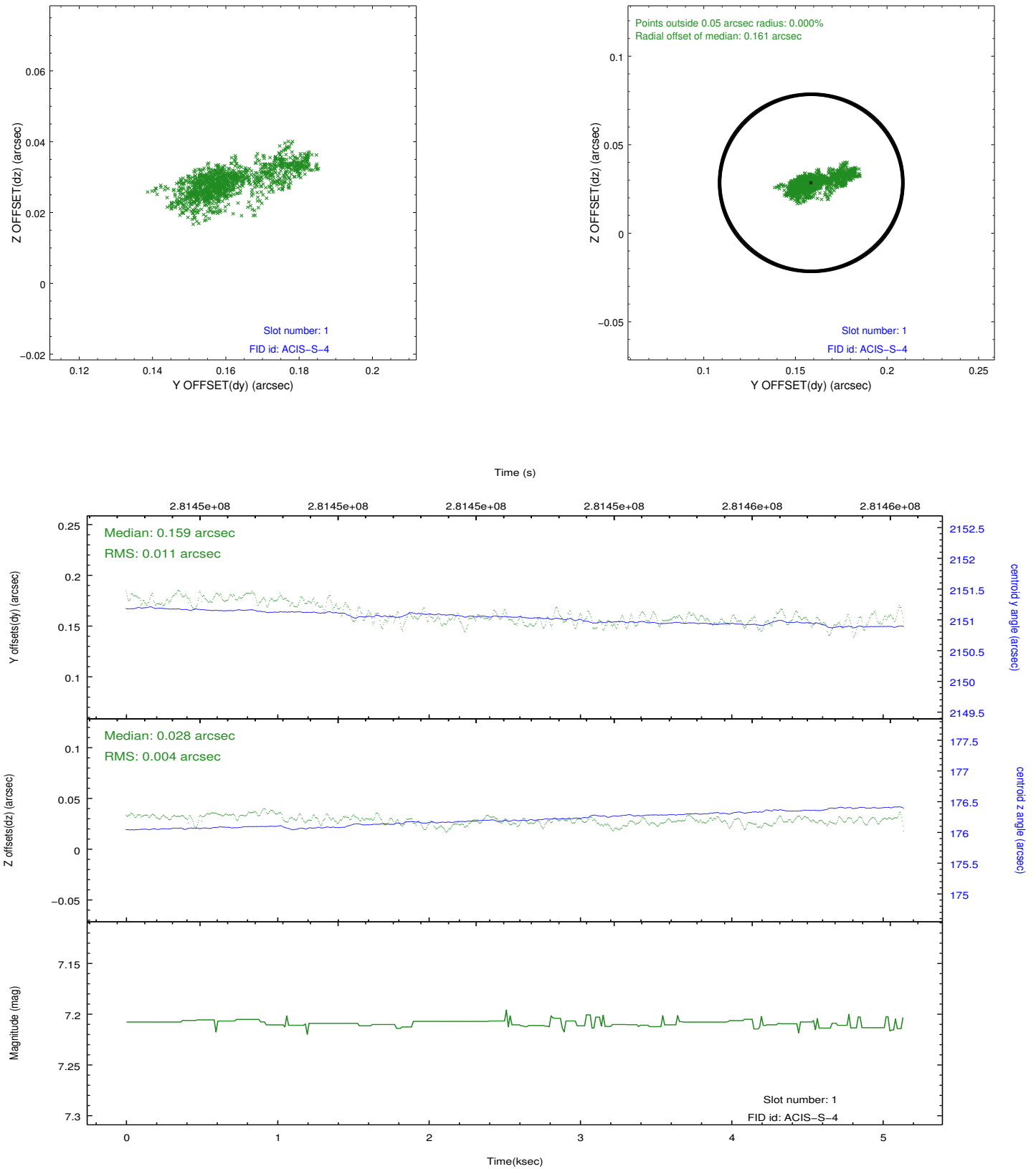


2.5 FID Slots

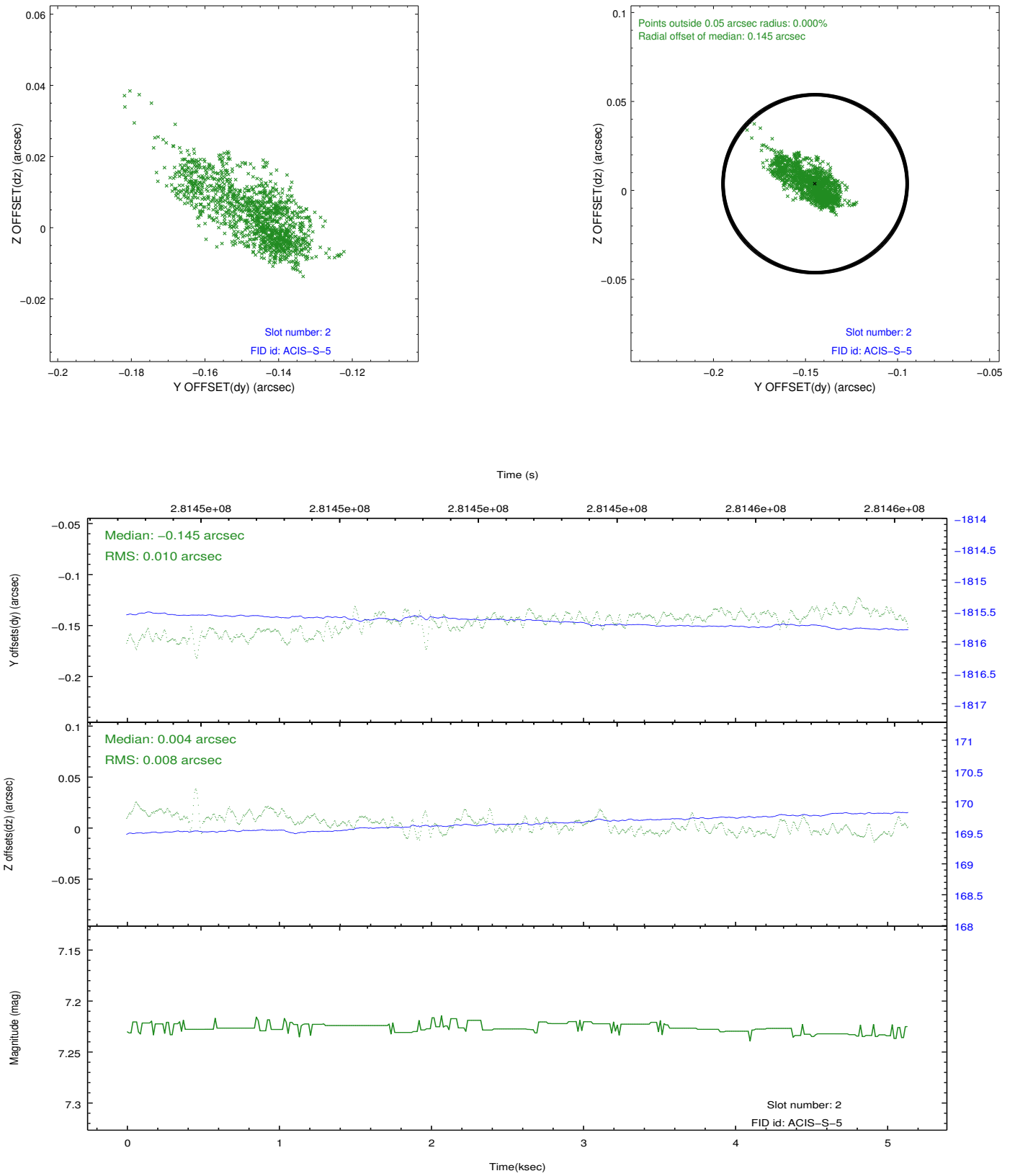
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.99839998

A.2 Comments