

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9056 - L2 Version 2
Chandra X-Ray Center

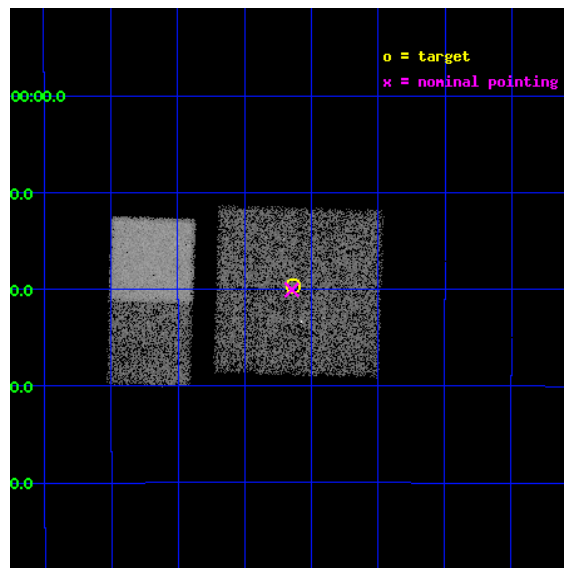
L2 Processing Date : May 25 2012

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1 Front

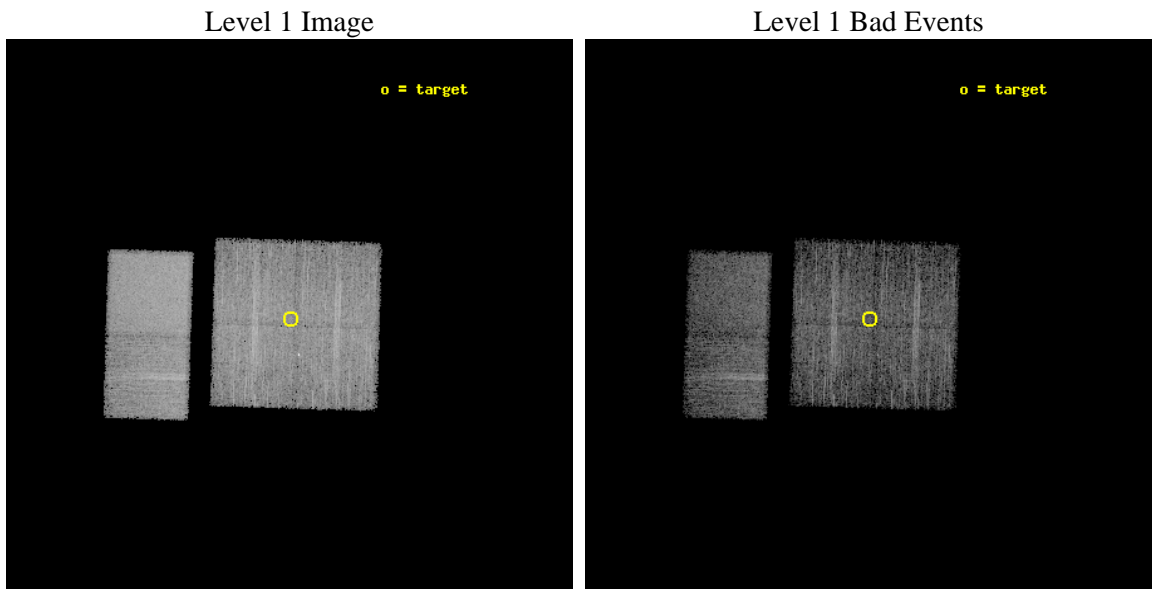
seq_num	400907	Sequence number
obs_id	9056	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17586-2129	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.658333	Observer's specified target RA [deg]
dec_targ	-21.326944	Observer's specified target Dec [deg]
ra_nom	269.66140360132	Nominal RA [deg]
dec_nom	-21.334594017752	Nominal Dec [deg]
roll_nom	271.74783097804	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4949.4641253352	Sum of GTIs [s]
livetime	4886.7910303707	Livetime [s]
ontime0	4949.3410053253	Sum of GTIs [s]
ontime1	4949.3820453286	Sum of GTIs [s]
ontime2	4949.4230853319	Sum of GTIs [s]
ontime3	4949.4641253352	Sum of GTIs [s]
ontime6	4949.5462053418	Sum of GTIs [s]
ontime7	4949.5051653385	Sum of GTIs [s]
l2events	55631	Number of level 2 events



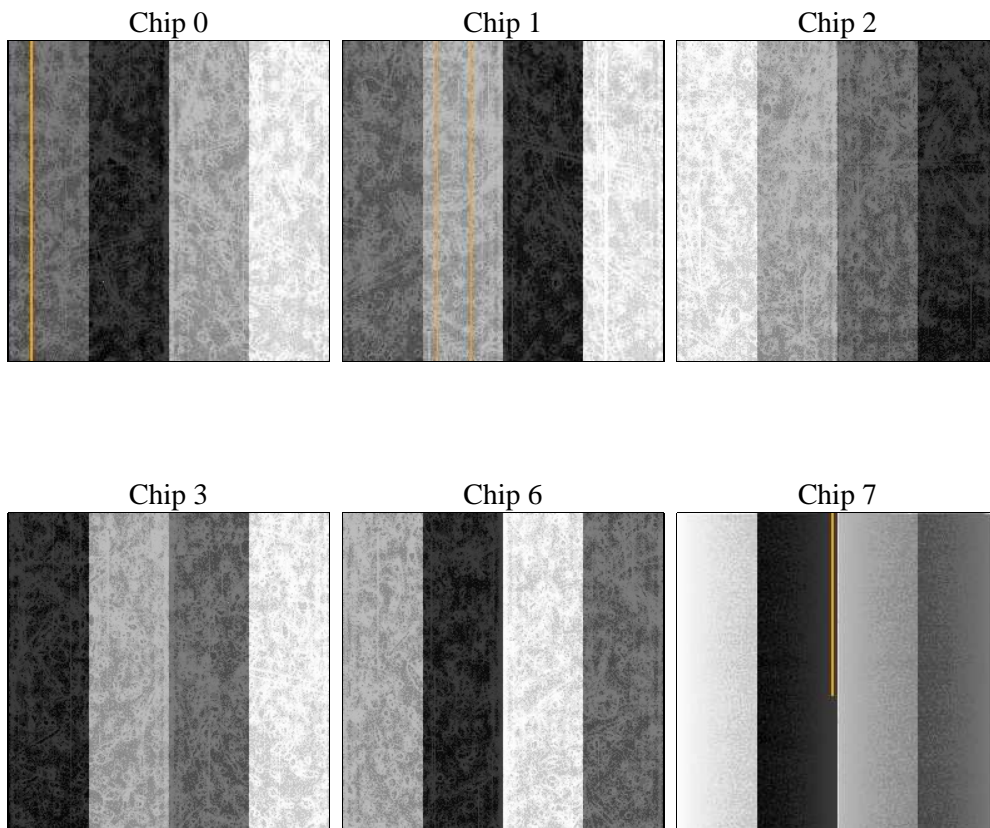
2 OBI

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	4949.4641253352	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4949.3410053253	Sum of GTIs [s]
date	2012-05-25T05:20:10	Date and time of file creation	ontime1	4949.3820453286	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4949.4230853319	Sum of GTIs [s]
			ontime3	4949.4641253352	Sum of GTIs [s]
			ontime6	4949.5462053418	Sum of GTIs [s]
			ontime7	4949.5051653385	Sum of GTIs [s]
			l1events	302551	Number of level 1 events

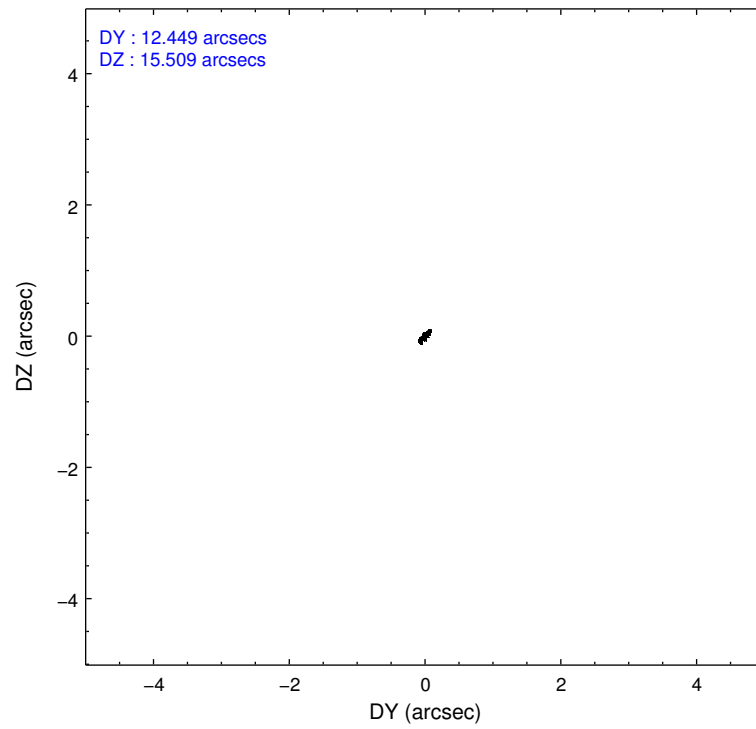
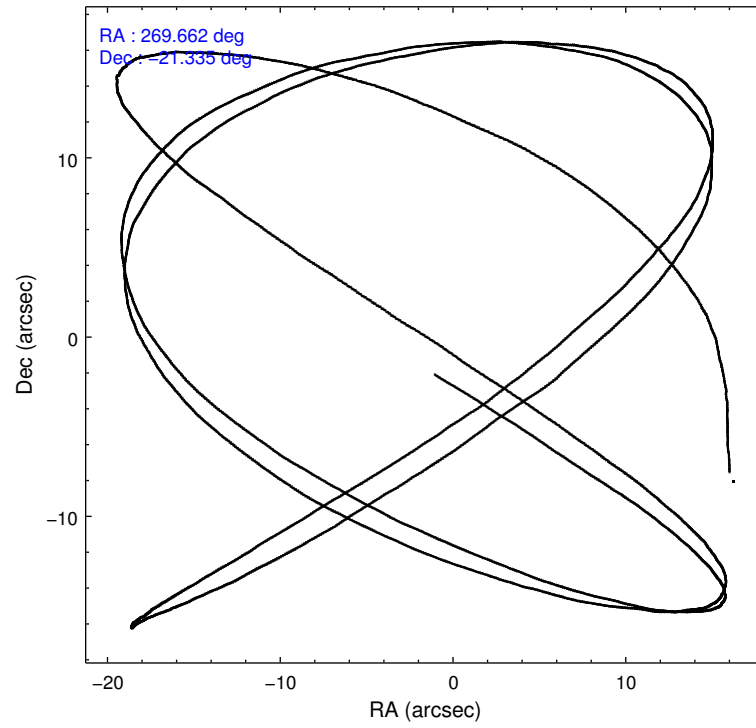
2.1.4 Events

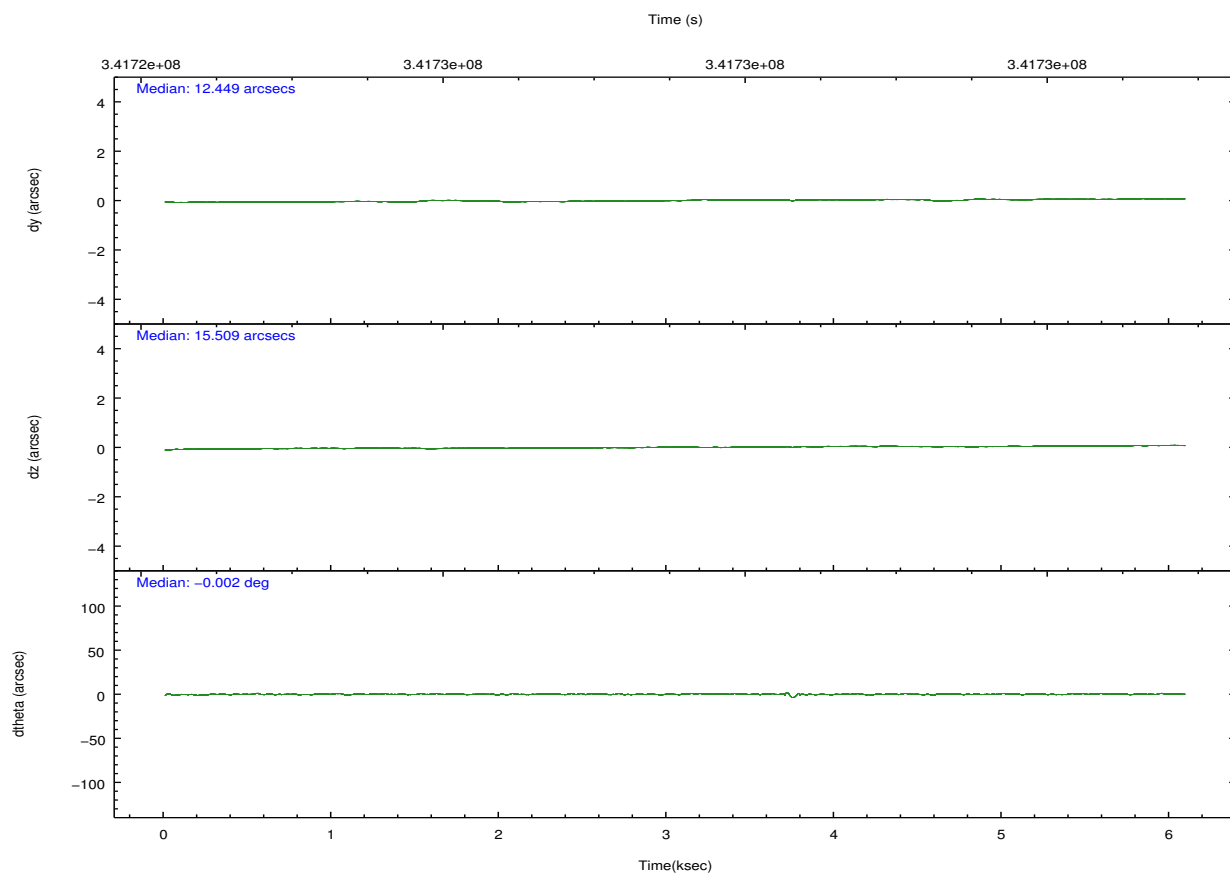
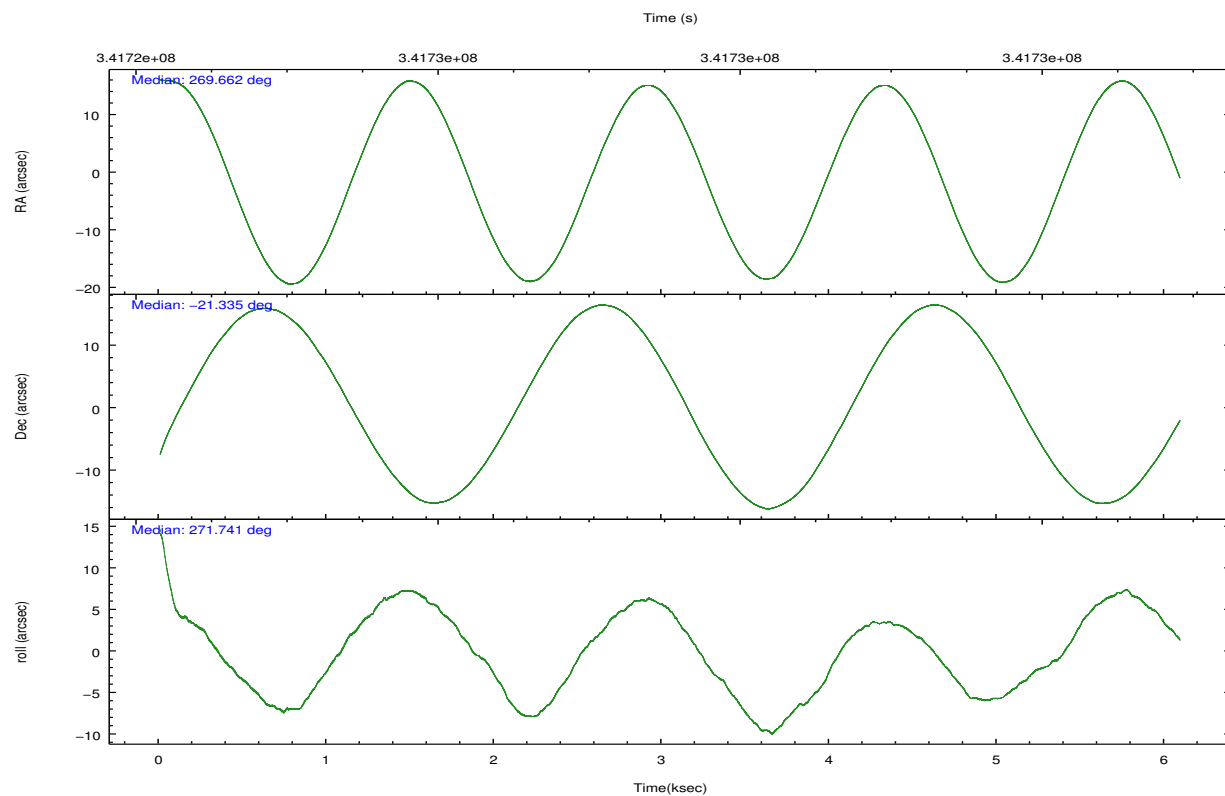
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	45853	43822	47624	46232	49656	69364	grade 0 events	3096	2585	2855	2861	2495	2508
rejected events	38927	37517	41463	40010	43421	40667		6%	5%	5%	6%	5%	3%
rejected %	84%	85%	87%	86%	87%	58%	grade 1 events	51	32	29	29	33	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	1457	1427	1307	1212	1372	5891
								3%	3%	2%	2%	2%	8%
							grade 3 events	610	585	530	534	579	2452
								1%	1%	1%	1%	1%	3%
							grade 4 events	575	566	538	572	571	2336
								1%	1%	1%	1%	1%	3%
							grade 5 events	1977	2111	1914	2363	2415	6526
								4%	4%	4%	5%	4%	9%
							grade 6 events	1194	1149	942	1049	1225	15549
								2%	2%	1%	2%	2%	22%
							grade 7 events	36893	35367	39509	37612	40966	34021
								80%	80%	82%	81%	82%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	269.645530	269.6614036013209	CCD I2 on	Y	Y
[deg] Pointing Dec	-21.311261	-21.33459401775205	CCD I3 on	Y	Y
[deg] Pointing Roll	271.533381	271.7478309780373	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	341725577.184000	341724165.94195	CCD S5 on	N	N
Observation start date	2008-10-30T03:45:12	2008-10-30T03:22:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341730577.184000	341731605.39232	On-chip summing requested	N	N
Observation end date	2008-10-30T05:08:32	2008-10-30T05:26:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



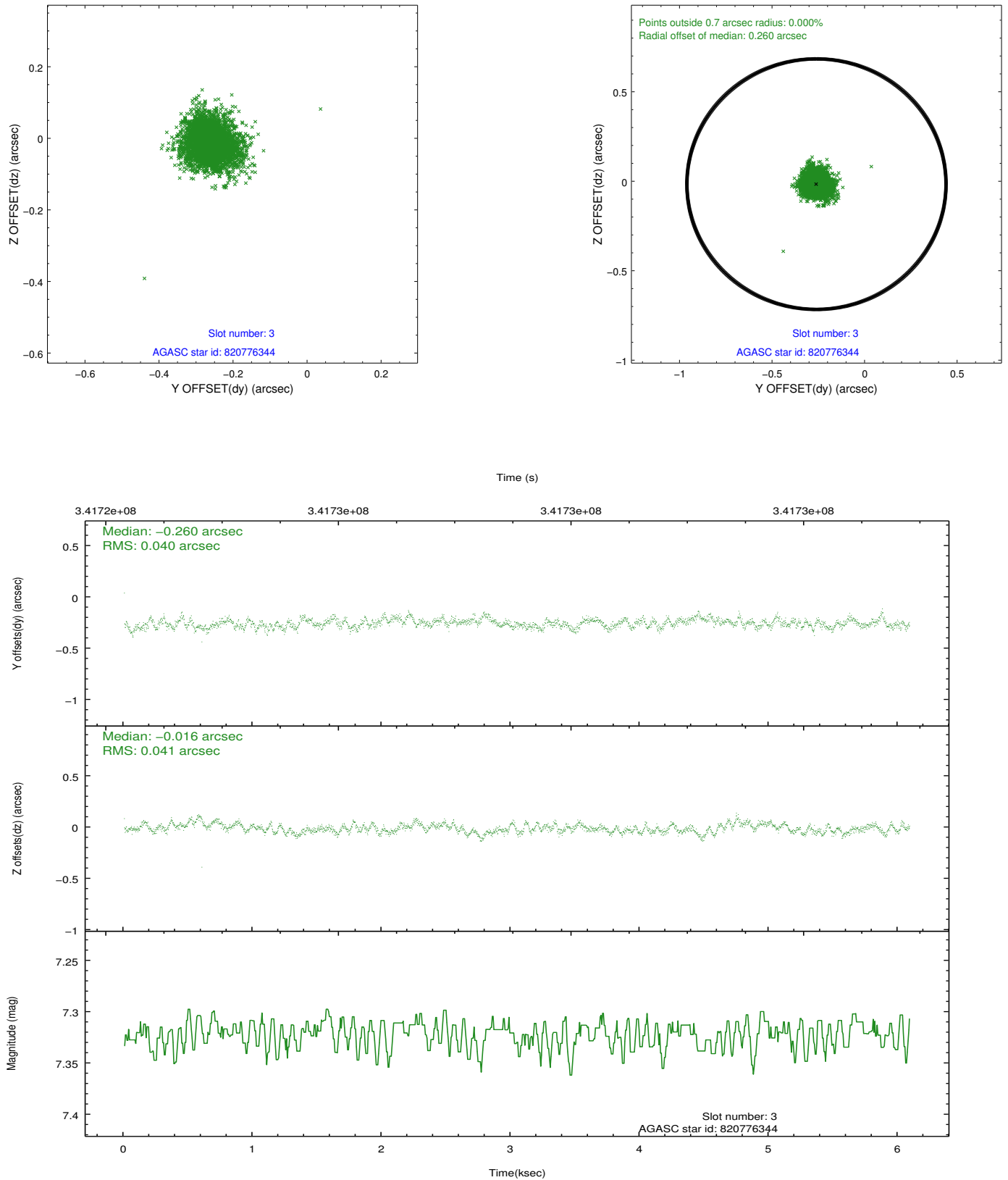


Slot Statistics

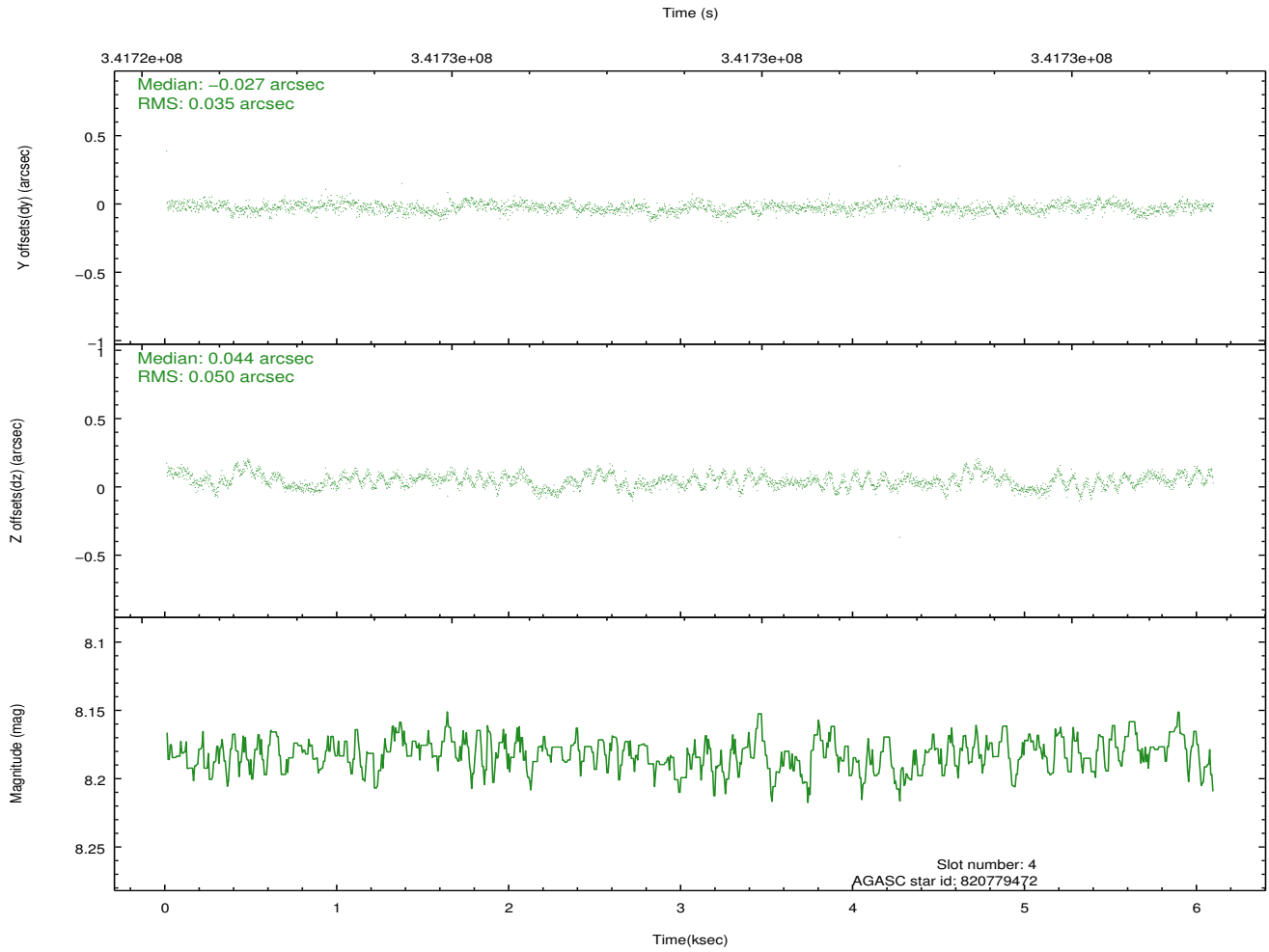
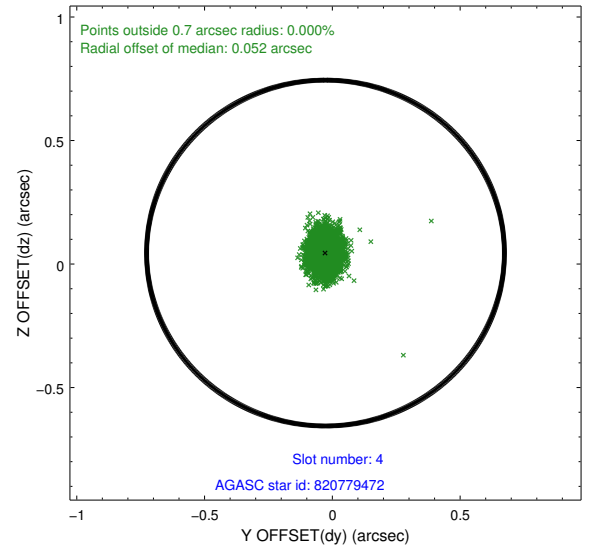
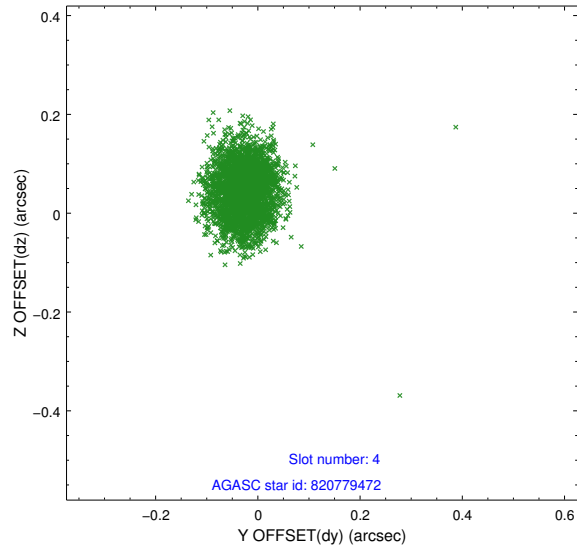
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	1485	0.028	-0.013	0.008	0.015	0.000000	0.000000	927.11	-839.14
1	FID	ACIS-I-5	7.01	1485	-0.164	0.044	0.007	0.012	0.000000	0.000000	-1820.65	1057.93
2	FID	ACIS-I-6	7.01	1485	0.044	0.038	0.006	0.012	0.000000	0.000000	391.62	1703.52
3	GUIDE	820776344	7.32	2969	-0.260	-0.016	0.060	0.098	269.882096	-21.045657	-934.03	819.57
4	GUIDE	820779472	8.18	2970	-0.027	0.044	0.065	0.103	269.205965	-20.860720	-1658.82	-1435.25
5	GUIDE	820789912	7.27	2967	0.262	-0.160	0.076	0.134	269.088700	-21.956078	2274.70	-1921.79
6	GUIDE	820904528	8.76	2968	0.050	0.093	0.094	0.151	270.240063	-20.988108	-1104.94	2027.47
7	GUIDE	820905280	8.74	2964	-0.026	0.039	0.069	0.113	270.011615	-20.706033	-2143.99	1290.64

2.4 Star Slots

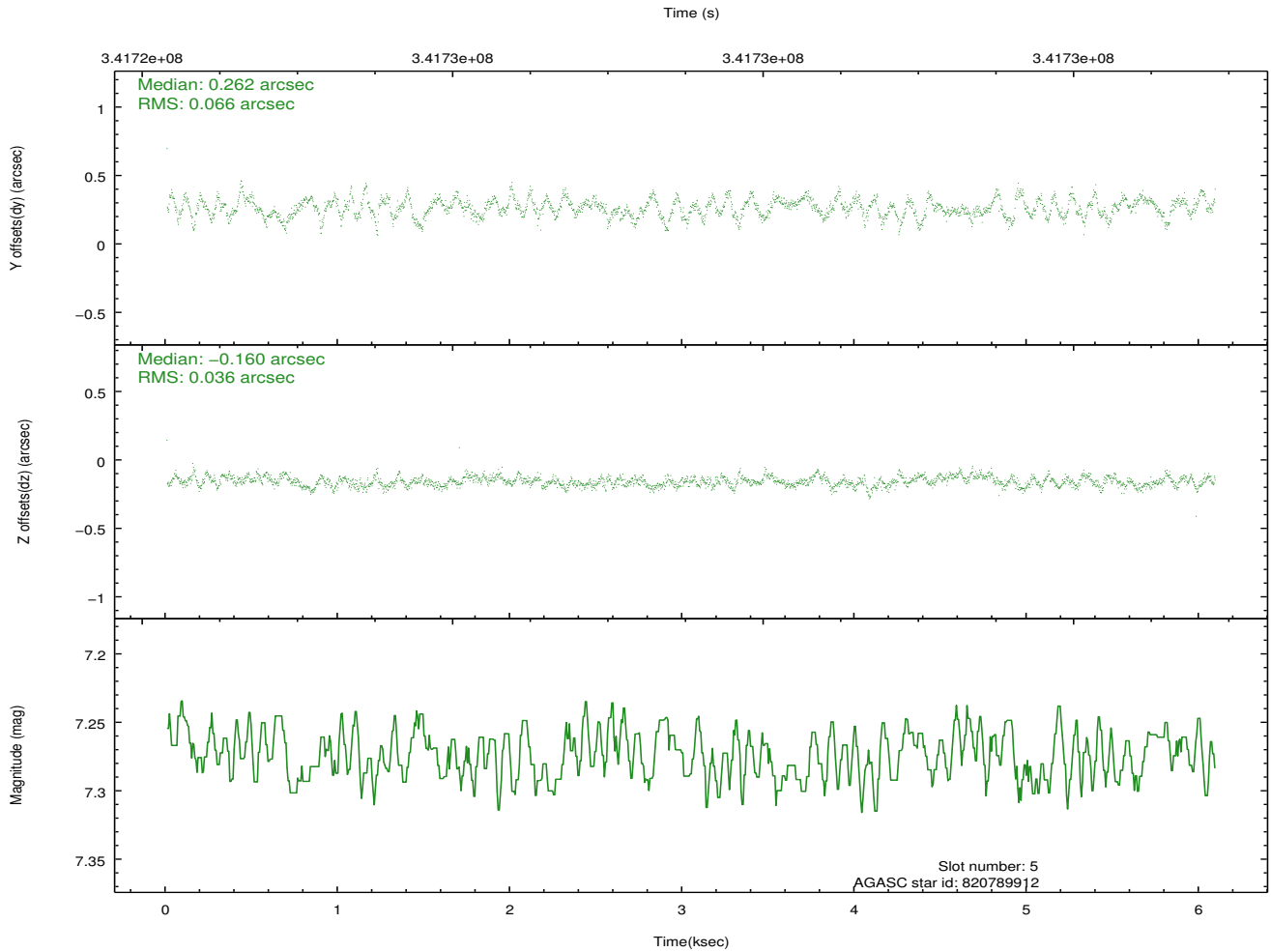
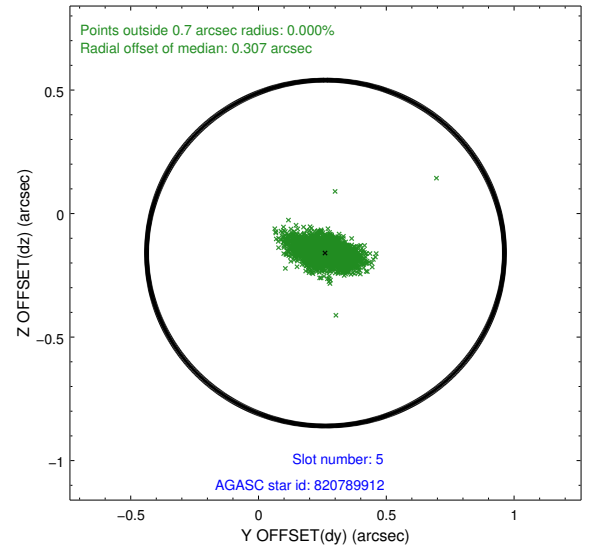
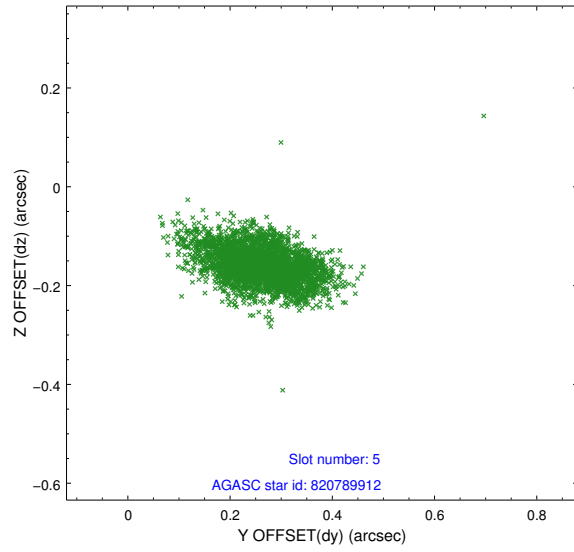
2.4.1 Slot 3



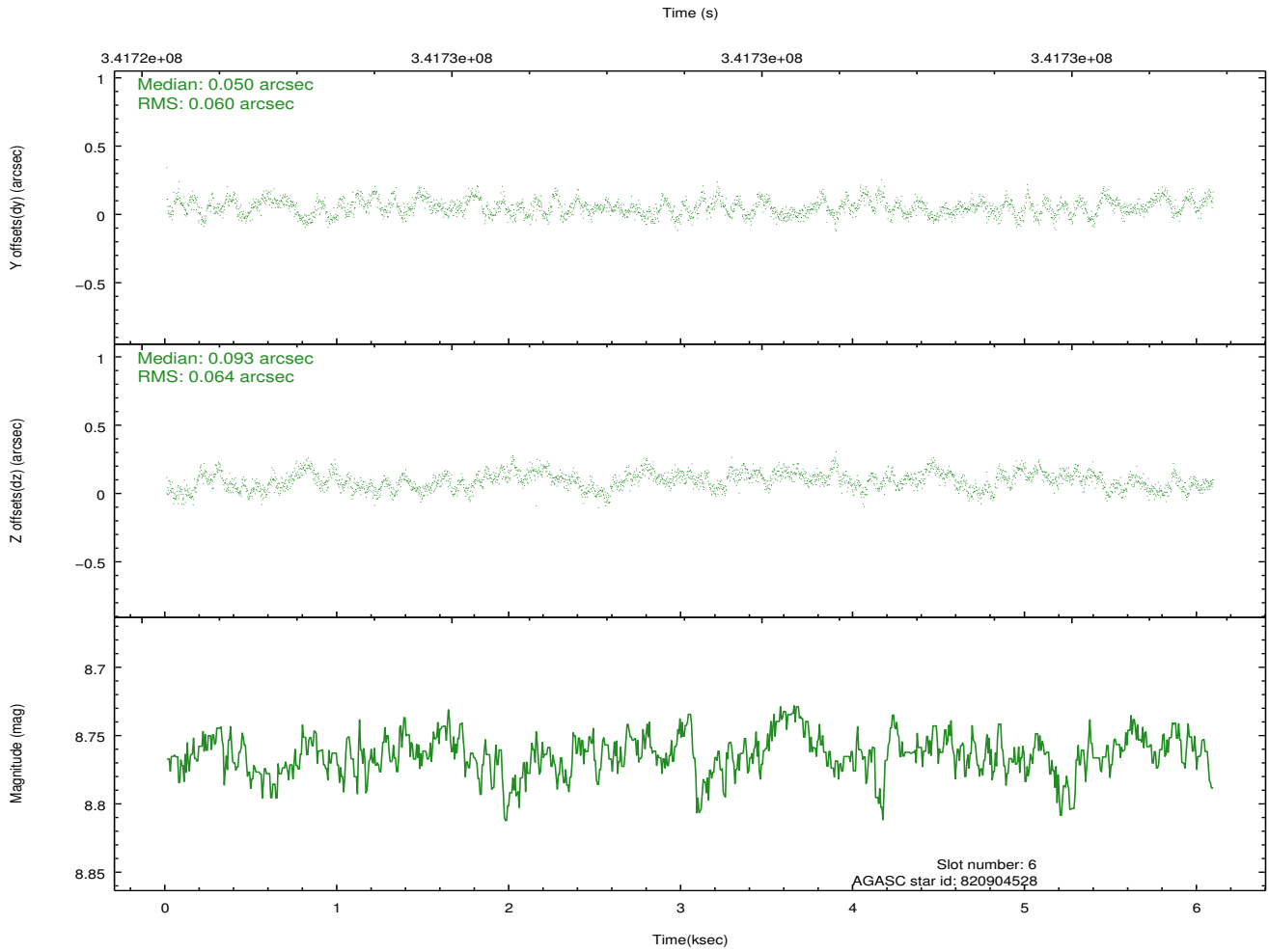
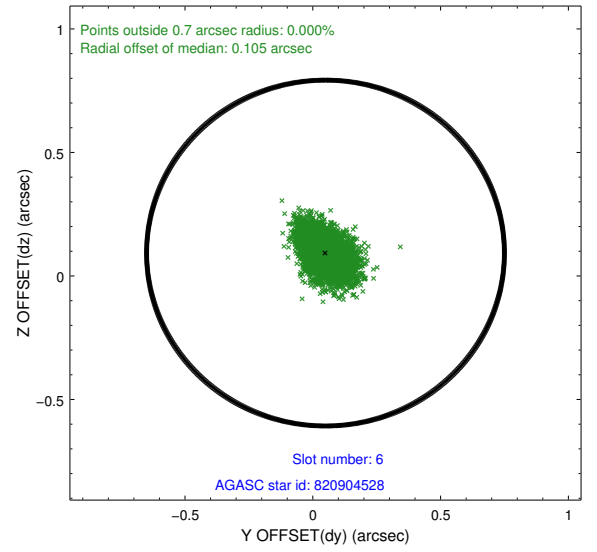
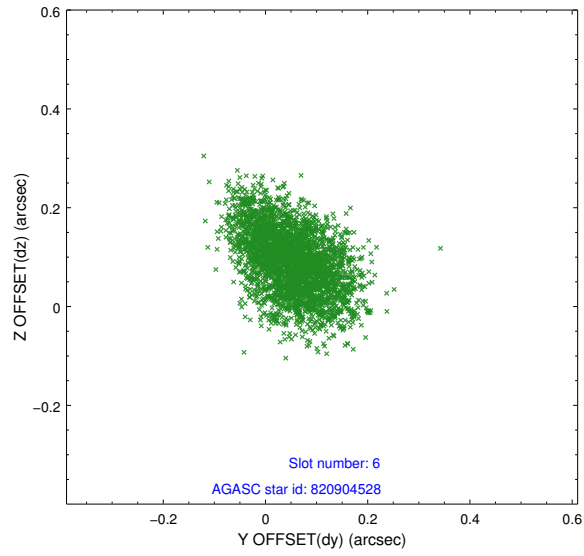
2.4.2 Slot 4



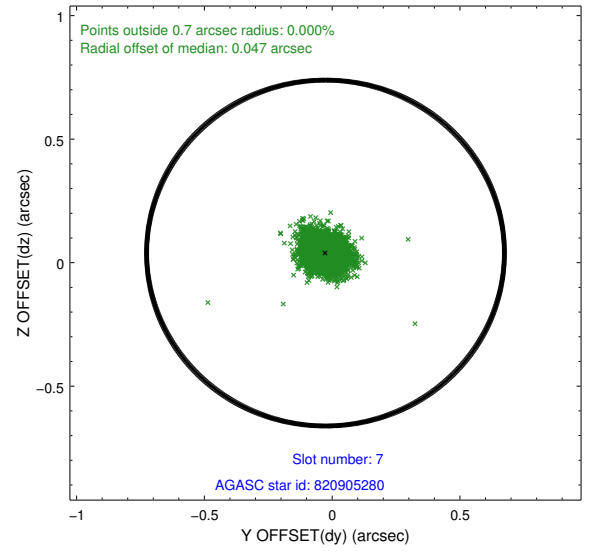
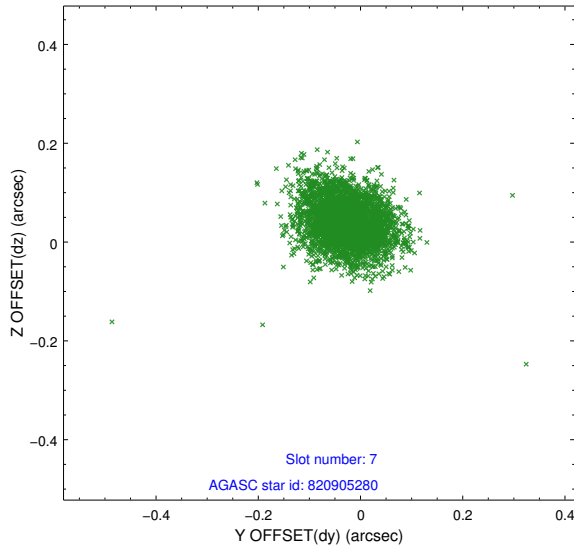
2.4.3 Slot 5



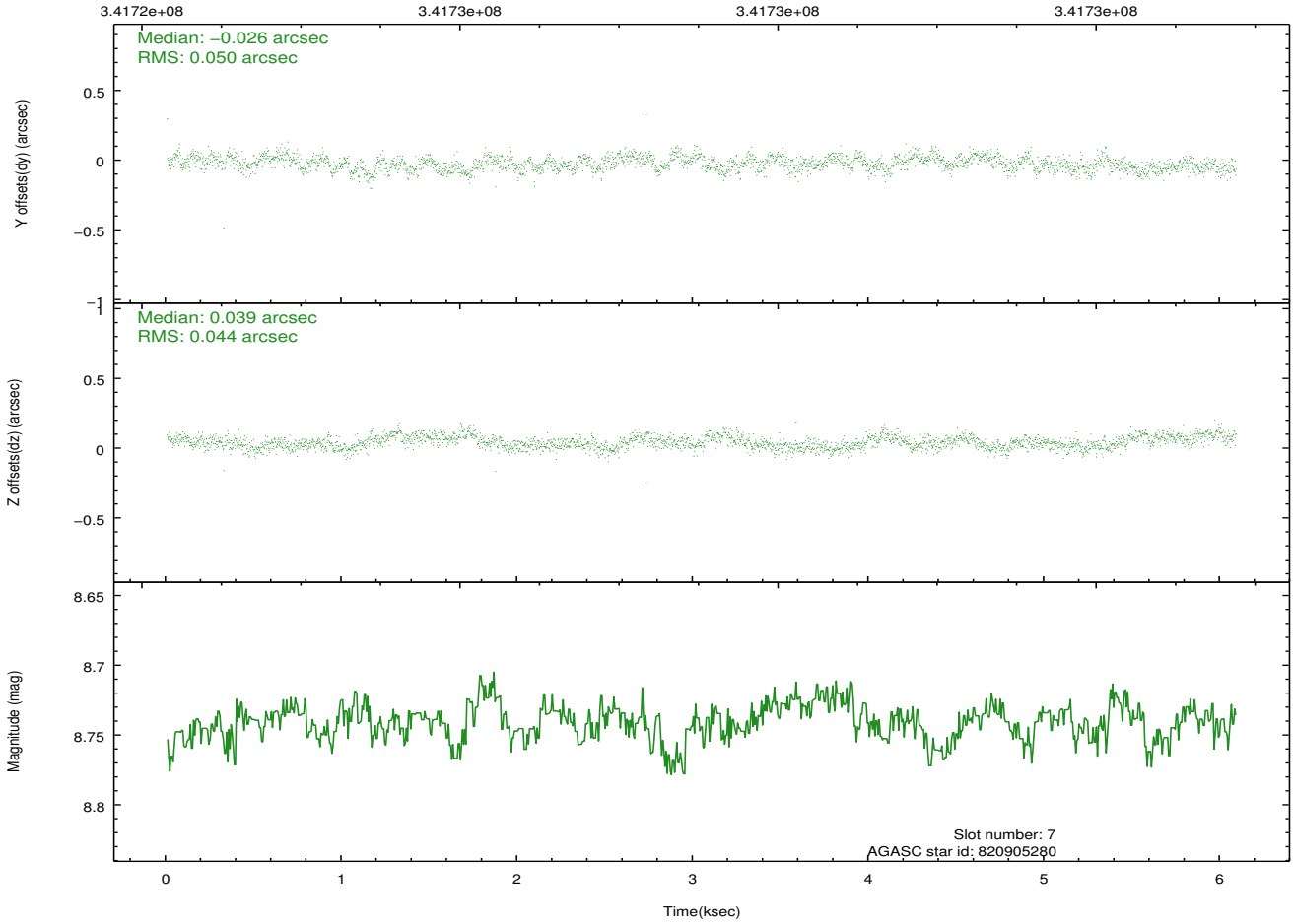
2.4.4 Slot 6



2.4.5 Slot 7

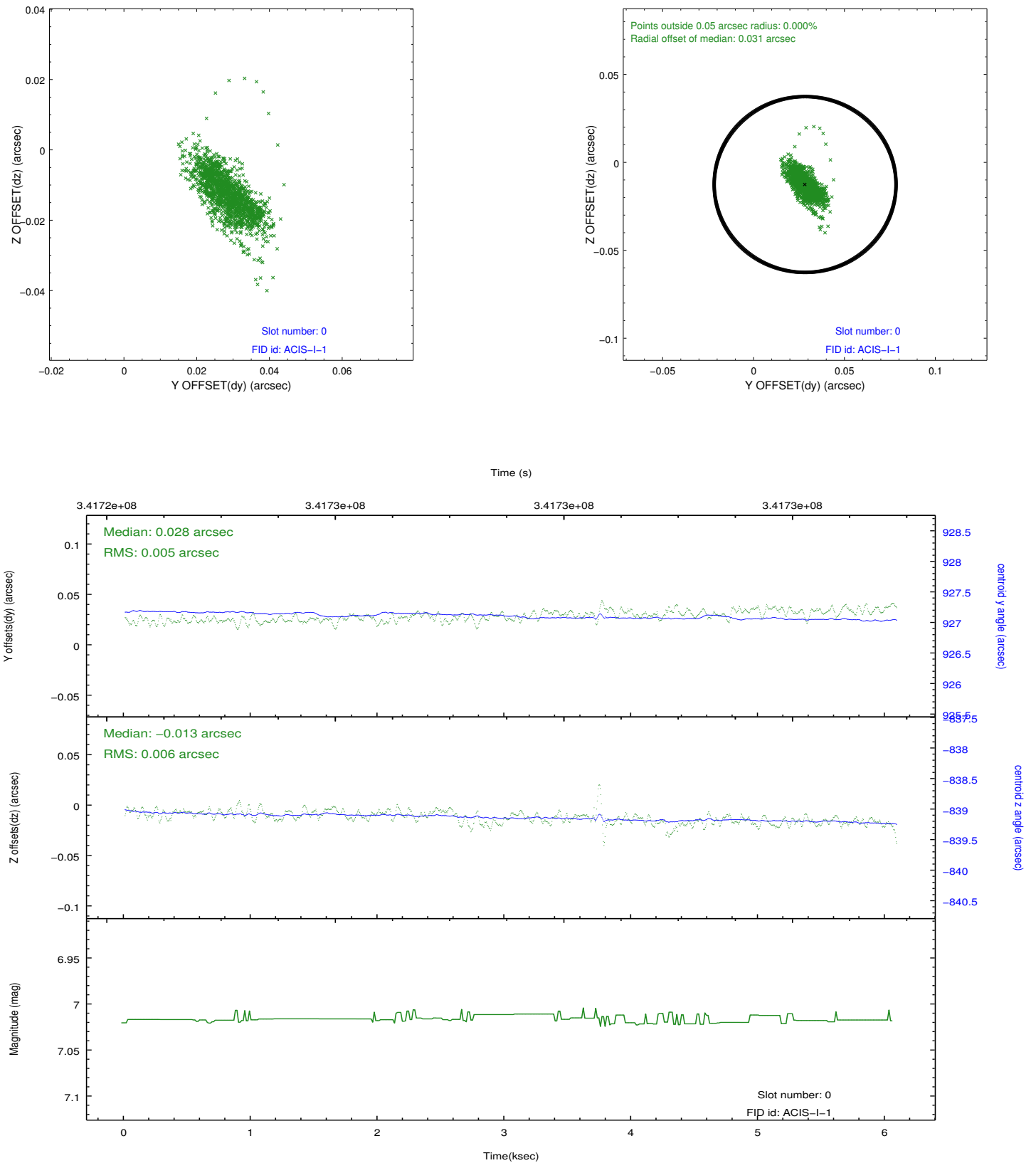


Time (s)

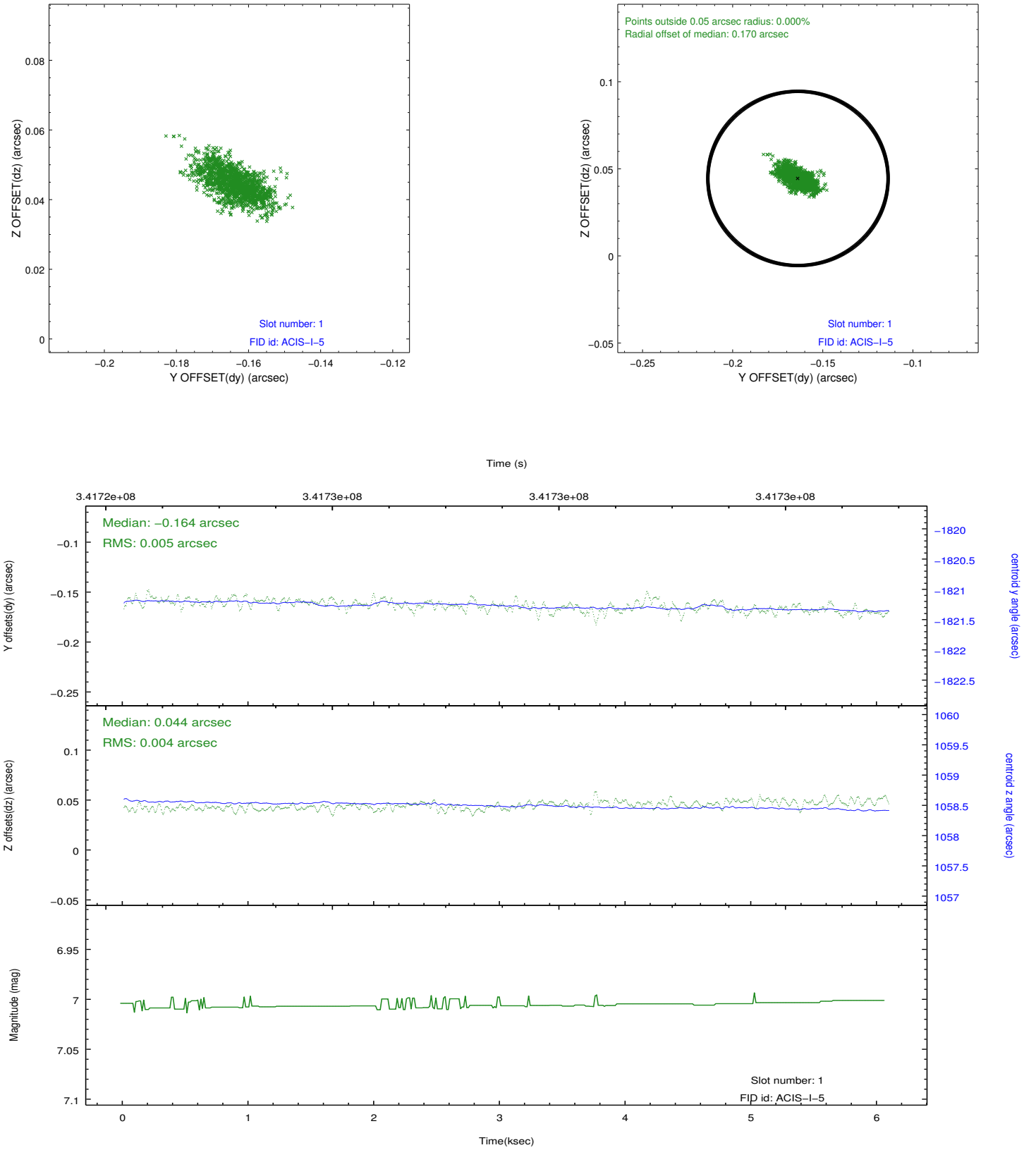


2.5 FID Slots

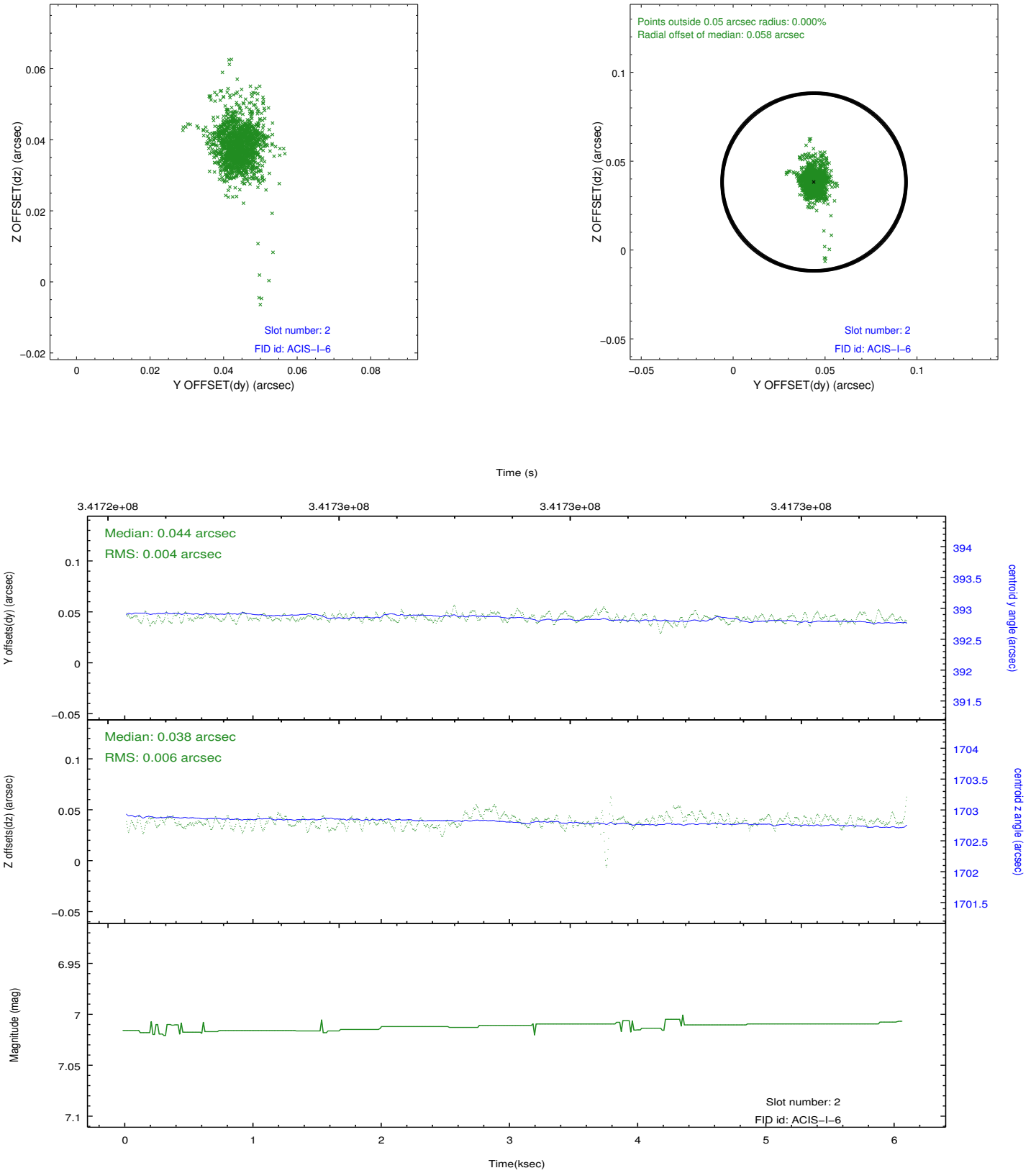
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95039998

A.2 Comments

Joint propossal with NOAO.