

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14379 - L2 Version 1
Chandra X-Ray Center

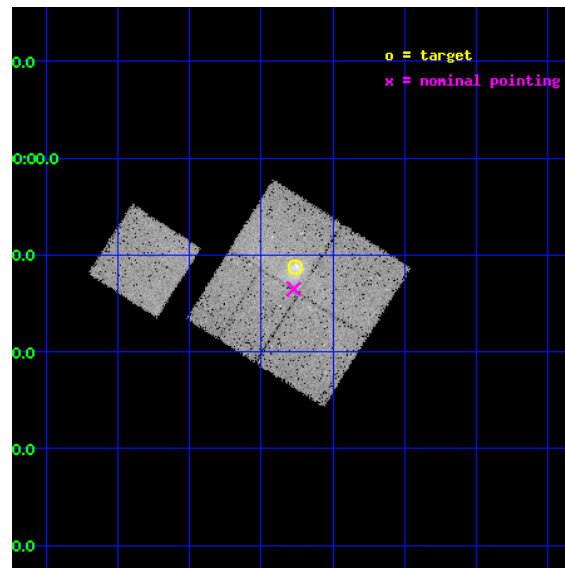
L2 Processing Date : Jan 2 2012

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1 Front

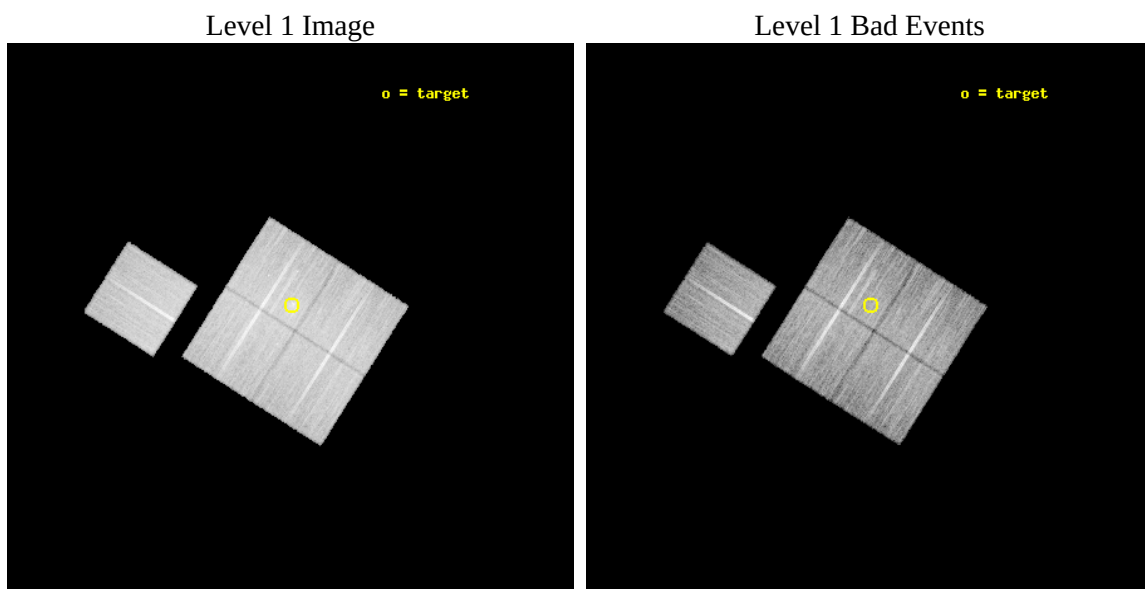
seq_num	801205	Sequence number
obs_id	14379	Observation id
title	One of the most powerful AGN outbursts in an enigmatic cluster ?	P
observer	Dr. Ming Sun	Principal investigator
object	RX J0334.2-0111	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.566667	Observer's specified target RA [deg]
dec_targ	-1.188167	Observer's specified target Dec [deg]
ra_nom	53.568090135239	Nominal RA [deg]
dec_nom	-1.2249277231069	Nominal Dec [deg]
roll_nom	302.4087243565	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28972.559192479	Sum of GTIs [s]
livetime	28594.011377341	Livetime [s]
ontime0	28975.70022285	Sum of GTIs [s]
ontime1	28969.418182194	Sum of GTIs [s]
ontime2	28969.418152273	Sum of GTIs [s]
ontime3	28972.559192479	Sum of GTIs [s]
ontime6	28972.559192657	Sum of GTIs [s]
l2events	85897	Number of level 2 events



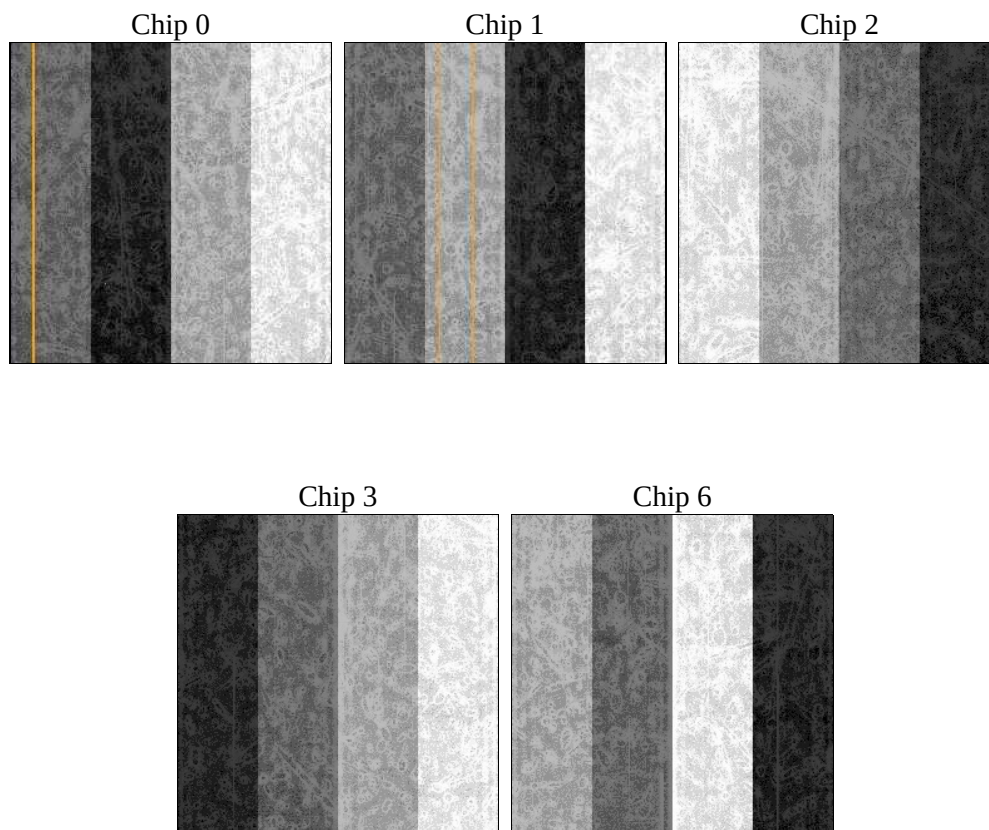
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28920.716000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	28972.559192479	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	28975.70022285	Sum of GTIs [s]
date	2012-01-02T20:58:03	Date and time of file creation	ontime1	28969.418182194	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	28969.418152273	Sum of GTIs [s]
			ontime3	28972.559192479	Sum of GTIs [s]
			ontime6	28972.559192657	Sum of GTIs [s]
			l1events	825266	Number of level 1 events

2.1.4 Events

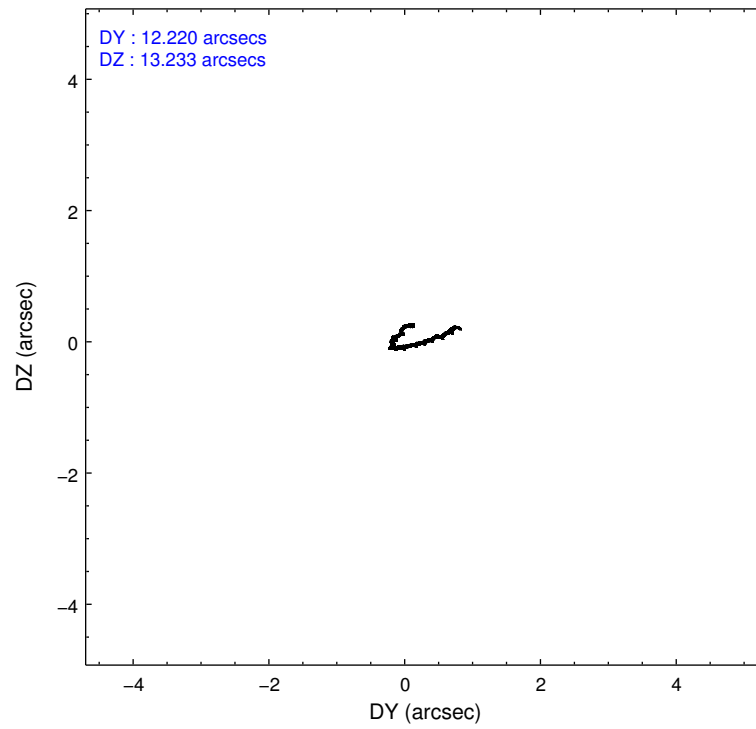
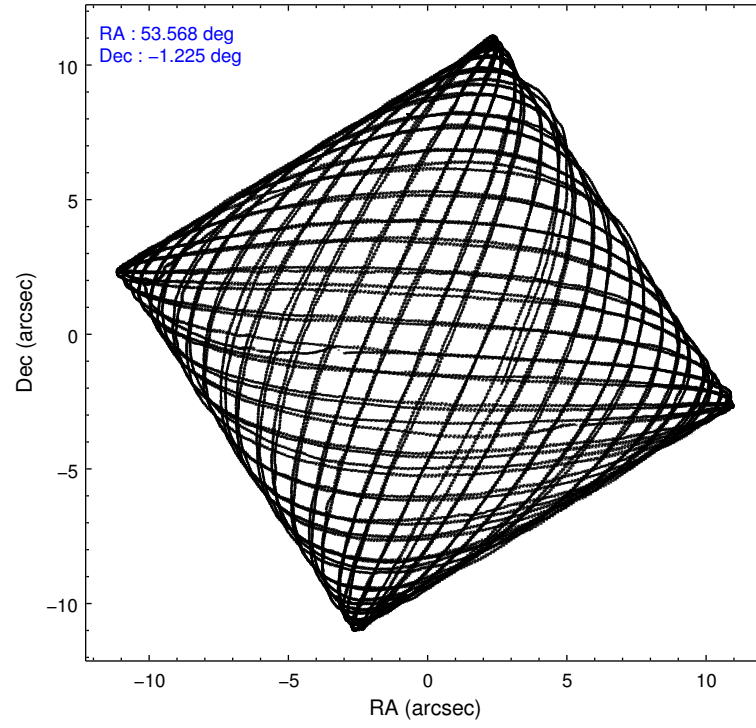
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	154344	159319	172508	172476	166619
rejected events	135341	139460	153326	147810	147491
rejected %	87%	87%	88%	85%	88%

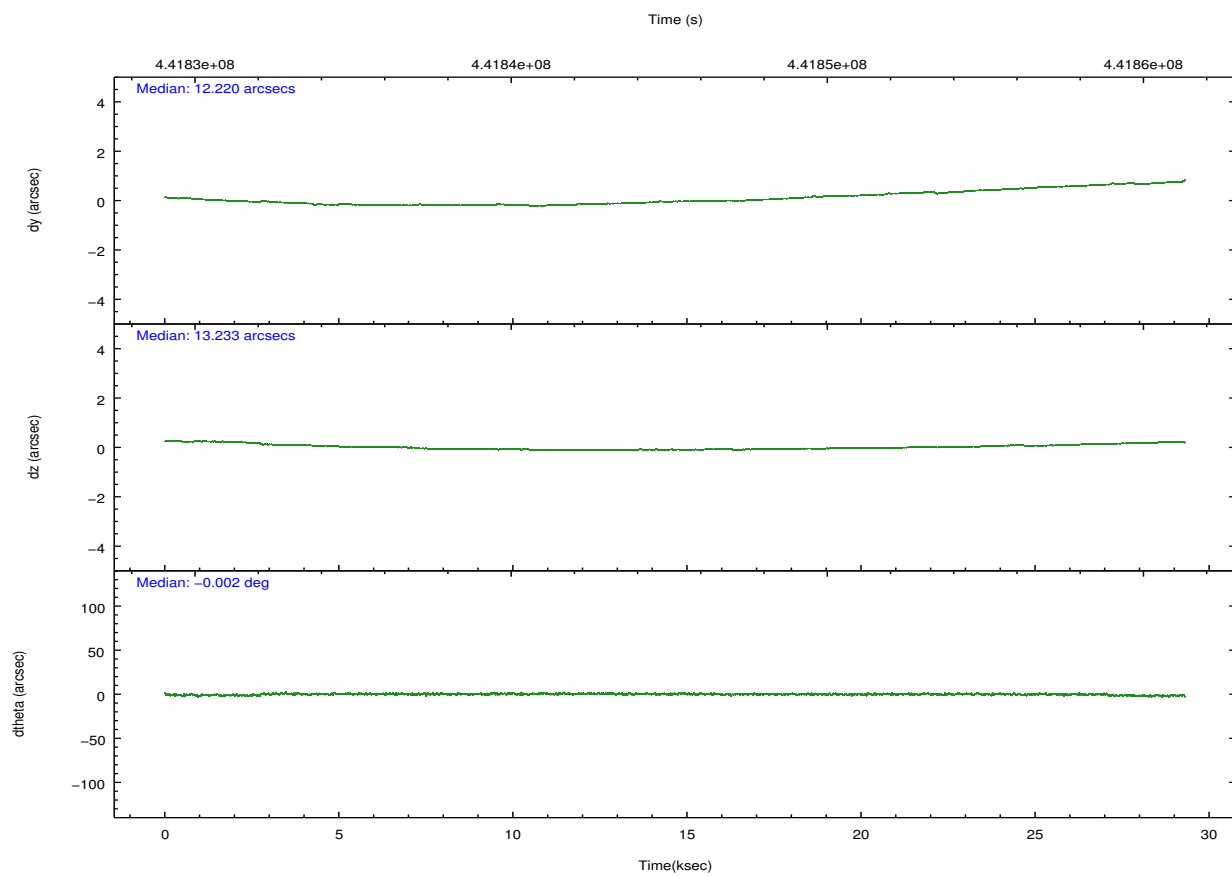
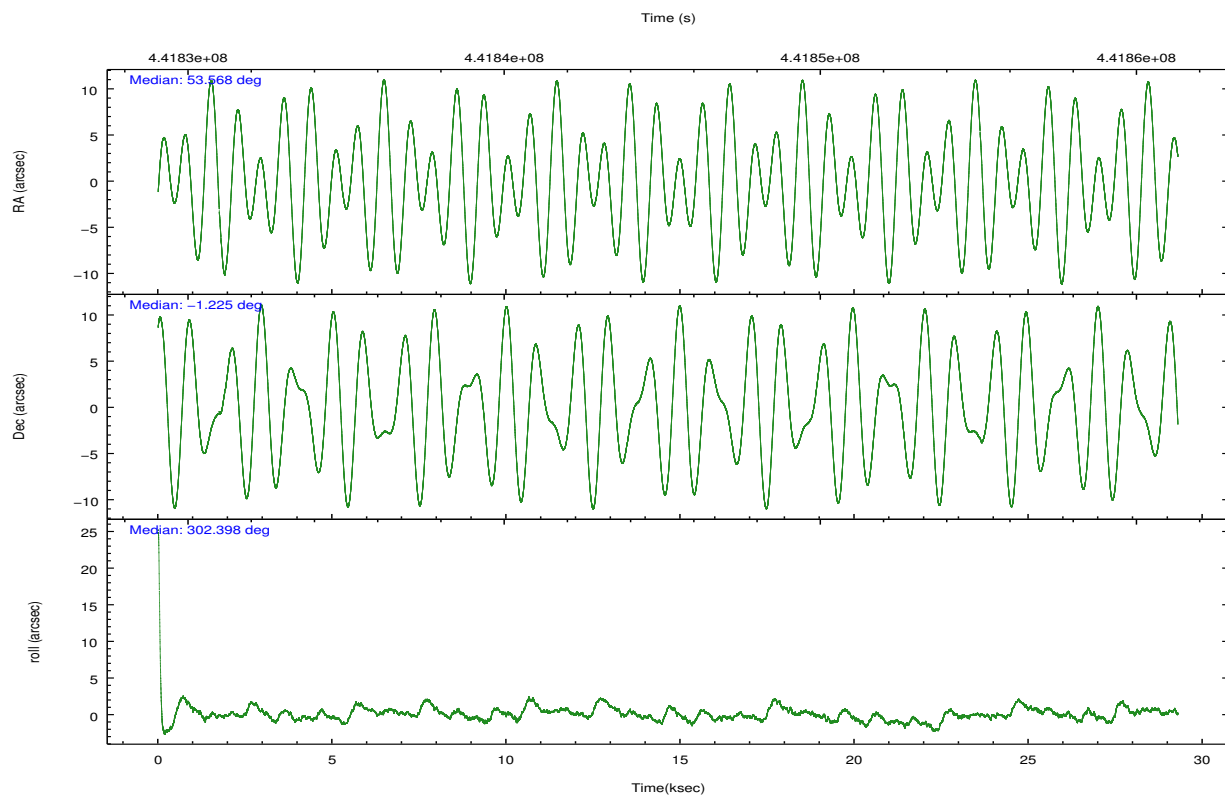
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6956	7009	7460	12233	6878
	4%	4%	4%	7%	4%
grade 1 events	92	84	97	137	91
	0%	0%	0%	0%	0%
grade 2 events	4624	4577	4646	4706	4323
	2%	2%	2%	2%	2%
grade 3 events	2010	2068	1802	2108	1968
	1%	1%	1%	1%	1%
grade 4 events	1885	2018	1882	2035	1972
	1%	1%	1%	1%	1%
grade 5 events	6427	6797	6039	7253	6653
	4%	4%	3%	4%	3%
grade 6 events	3531	4193	3397	3586	3995
	2%	2%	1%	2%	2%
grade 7 events	128819	132573	147185	140418	140739
	83%	83%	85%	81%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	53.543647	53.56809013523942	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.212309	-1.224927723106943	Alternating exposures requested	N	N
[deg] Pointing Roll	302.199515	302.4087243565019	[s] Primary exposure time	0.000000	3.1
[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)	441830912.184000	441829887.82435			
Observation start date	2012-01-01T18:47:26	2012-01-01T18:31:27			
[s] Observation end time (MET)	441859833.184000	441860069.97594			
Observation end date	2012-01-02T02:49:27	2012-01-02T02:54:29			
Read mode	TIMED	TIMED			

2.3 Aspect



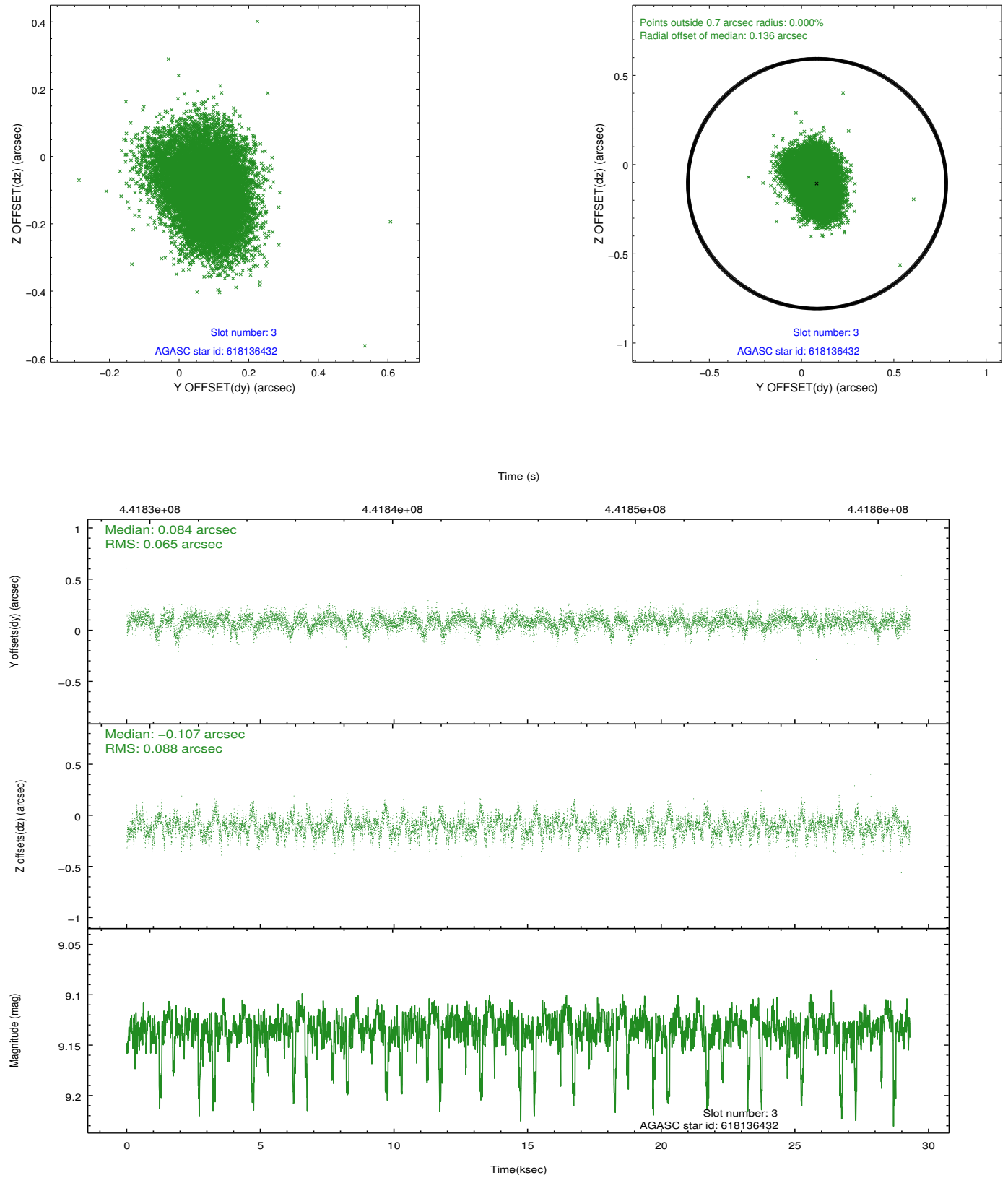


Slot Statistics

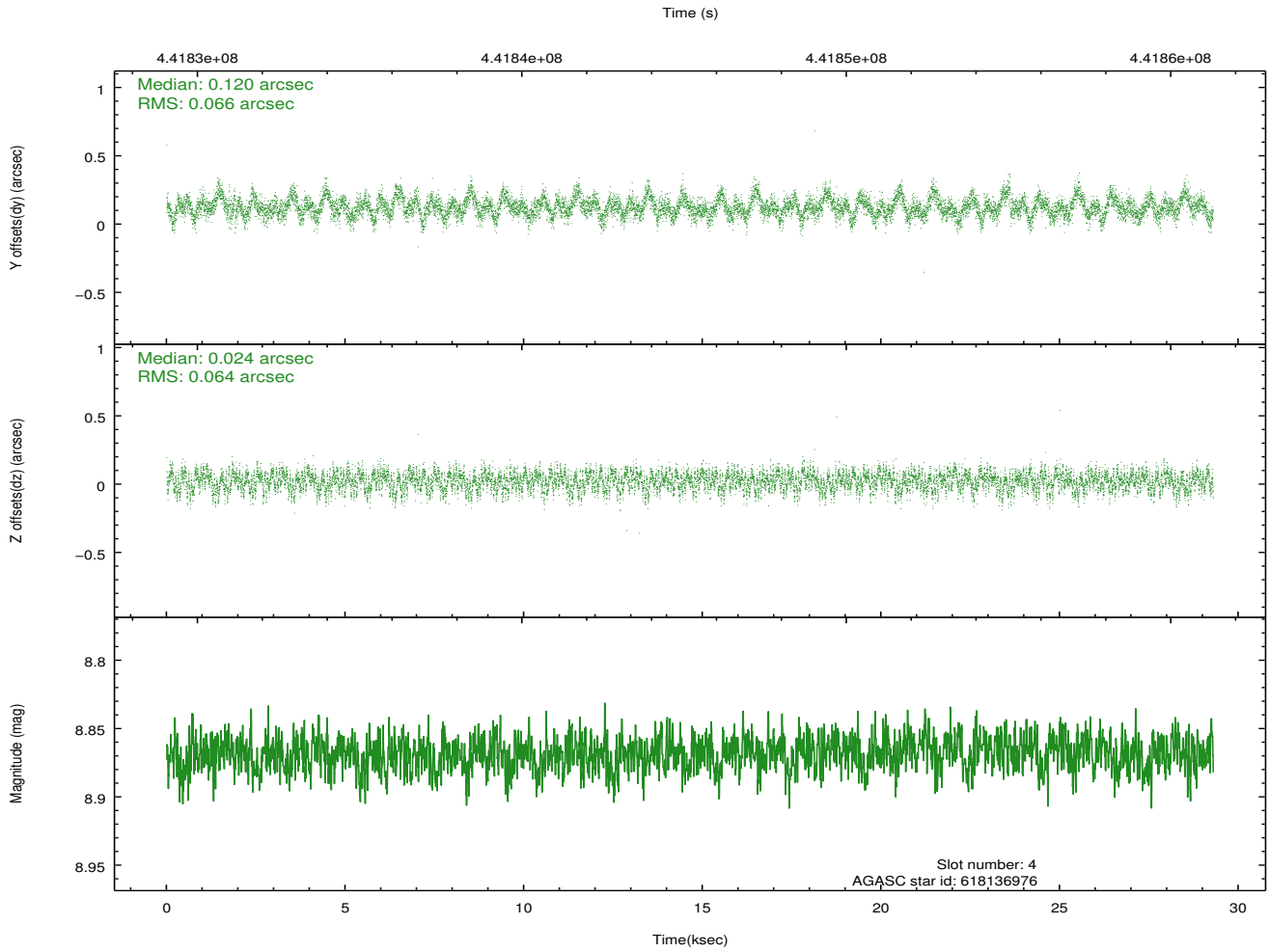
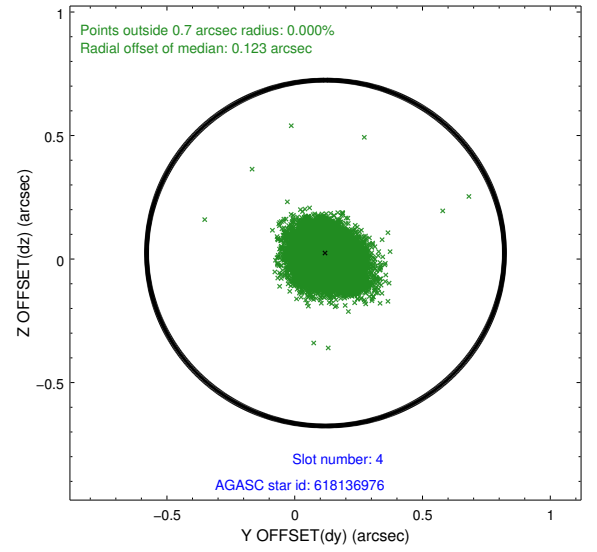
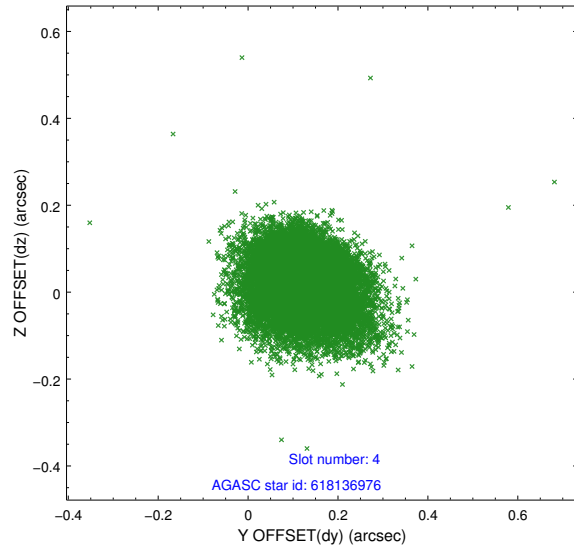
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.13	7143	0.024	0.075	0.009	0.017	0.000000	0.000000	927.22	-836.73
1	FID	ACIS-I-2	7.04	7145	-0.132	-0.056	0.011	0.028	0.000000	0.000000	-766.98	-843.34
2	FID	ACIS-I-6	7.13	7145	0.015	0.048	0.010	0.023	0.000000	0.000000	392.83	1705.01
3	GUIDE	618136432	9.13	14279	0.084	-0.107	0.117	0.193	53.083435	-1.691633	578.75	-2320.71
4	GUIDE	618136976	8.87	14275	0.120	0.024	0.097	0.159	53.265380	-1.295445	-279.56	-1006.88
5	GUIDE	618138192	8.52	14284	-0.085	0.076	0.087	0.139	53.803764	-0.738896	-941.39	1700.83
6	GUIDE	618139008	8.94	14285	-0.134	0.146	0.088	0.146	53.466061	-0.610194	-1982.62	919.47
7	GUIDE	618141048	7.25	14289	0.013	-0.128	0.087	0.145	53.300645	-1.860629	1509.76	-1983.17

2.4 Star Slots

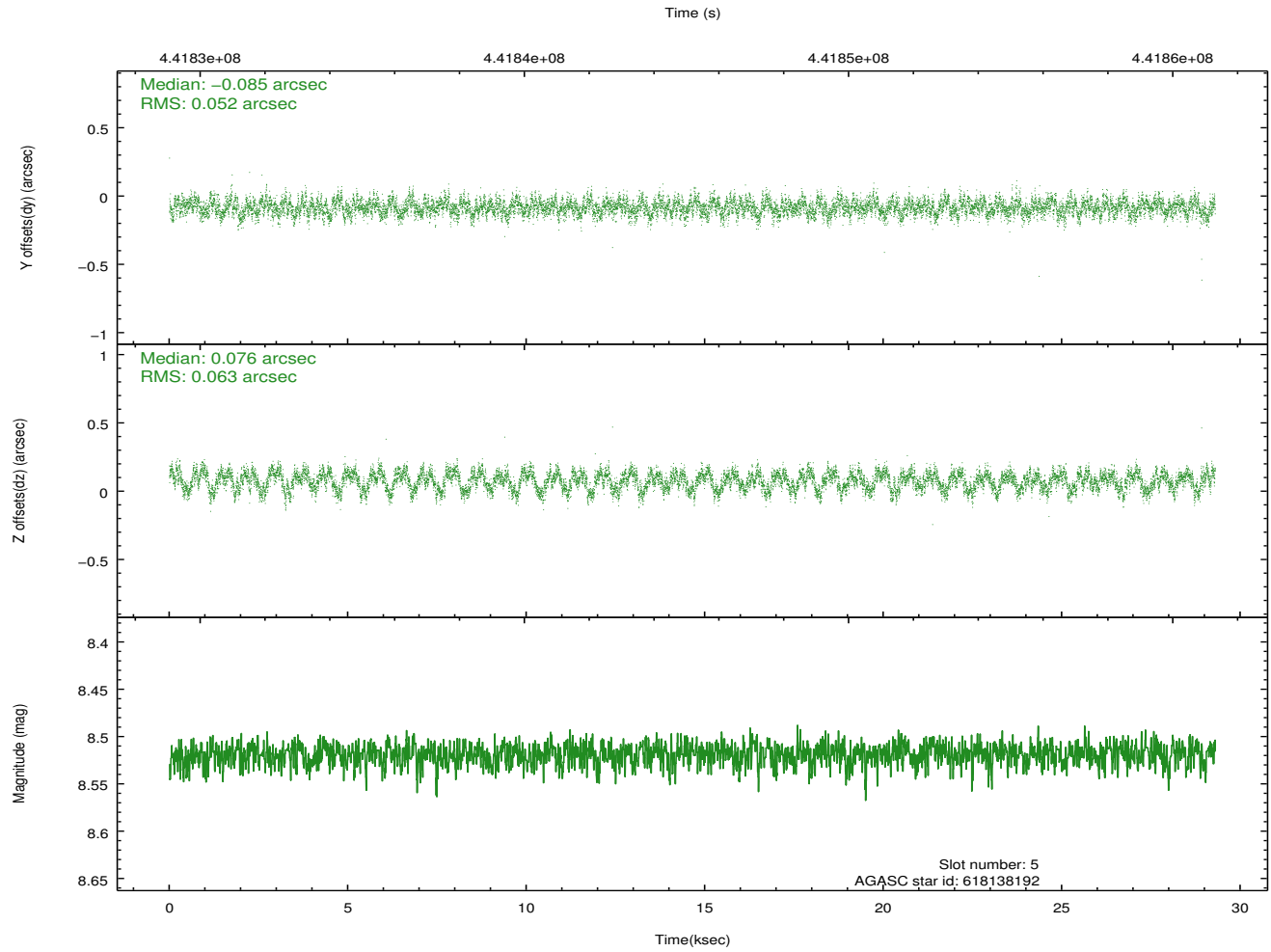
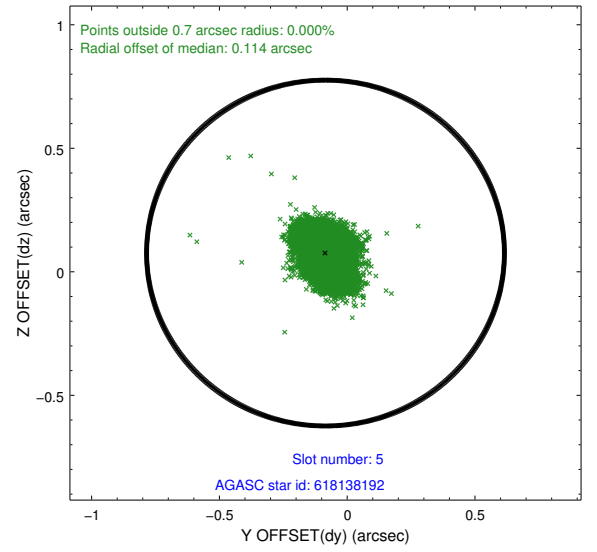
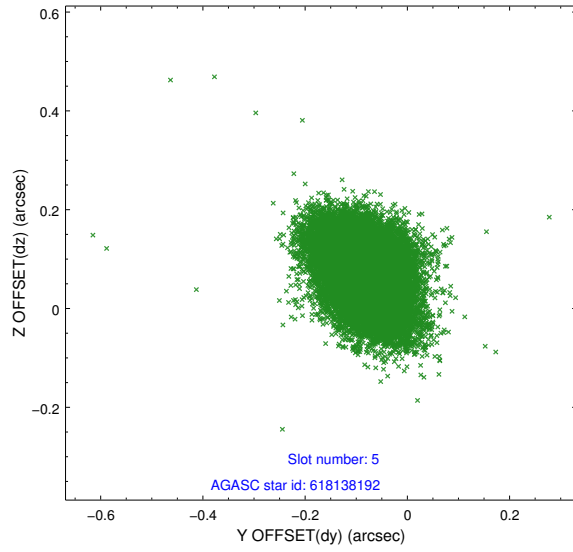
2.4.1 Slot 3



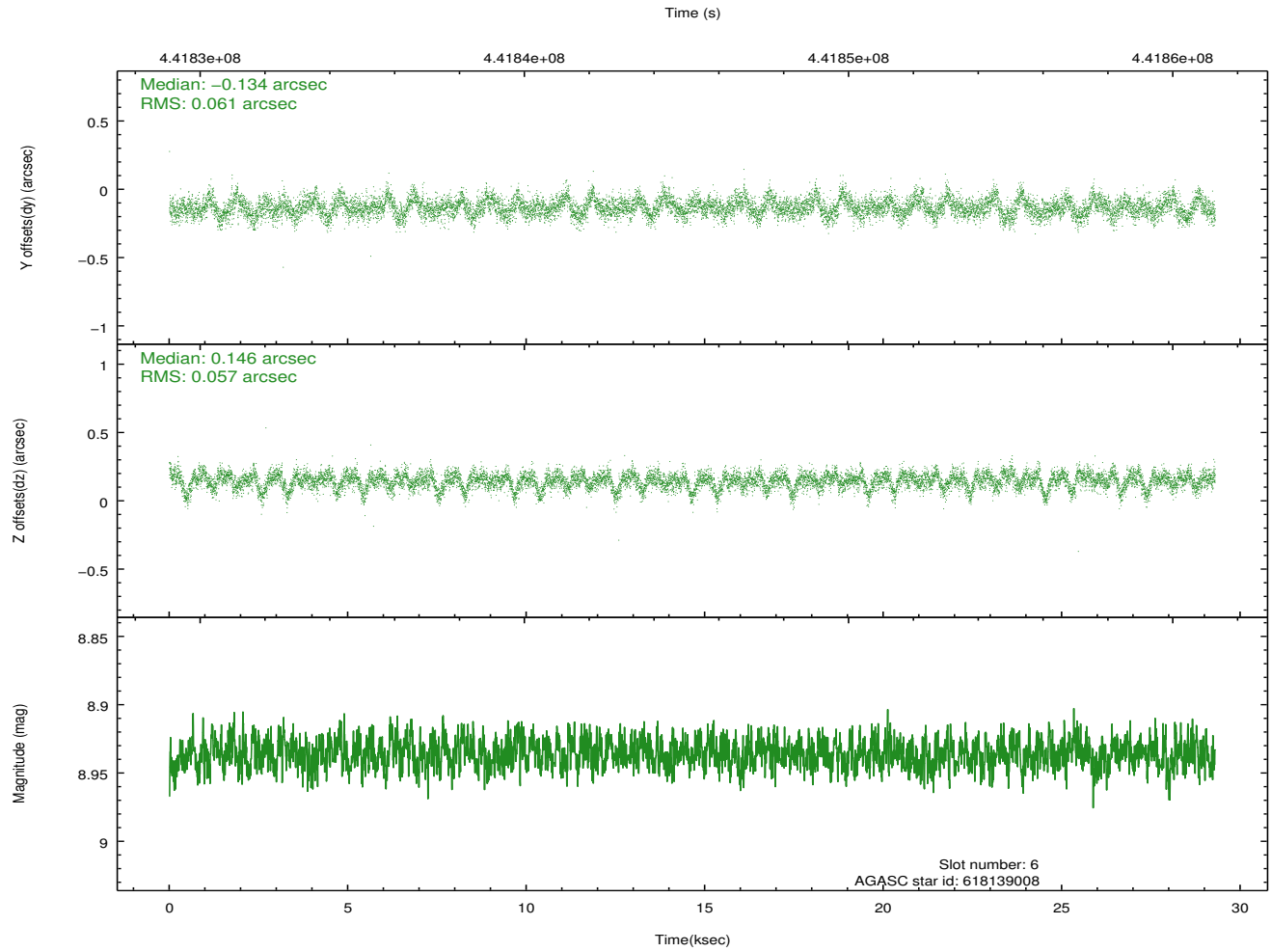
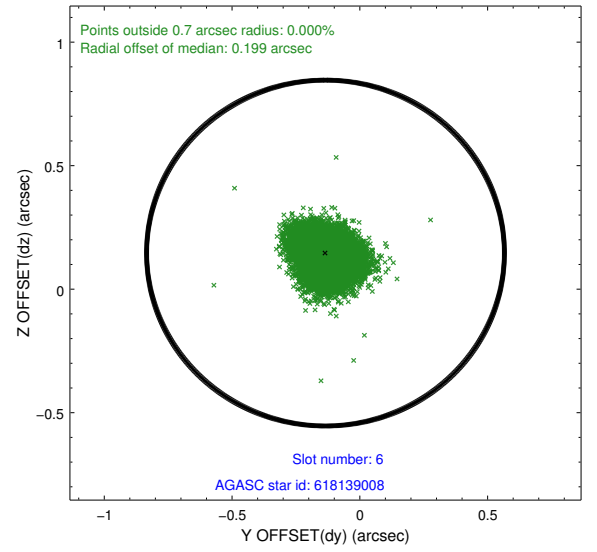
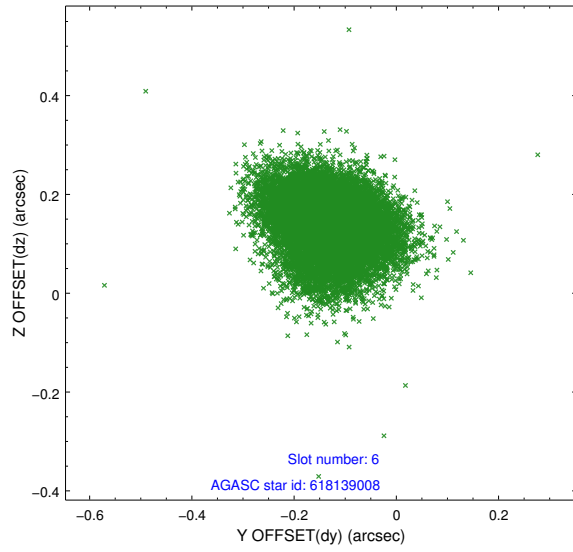
2.4.2 Slot 4



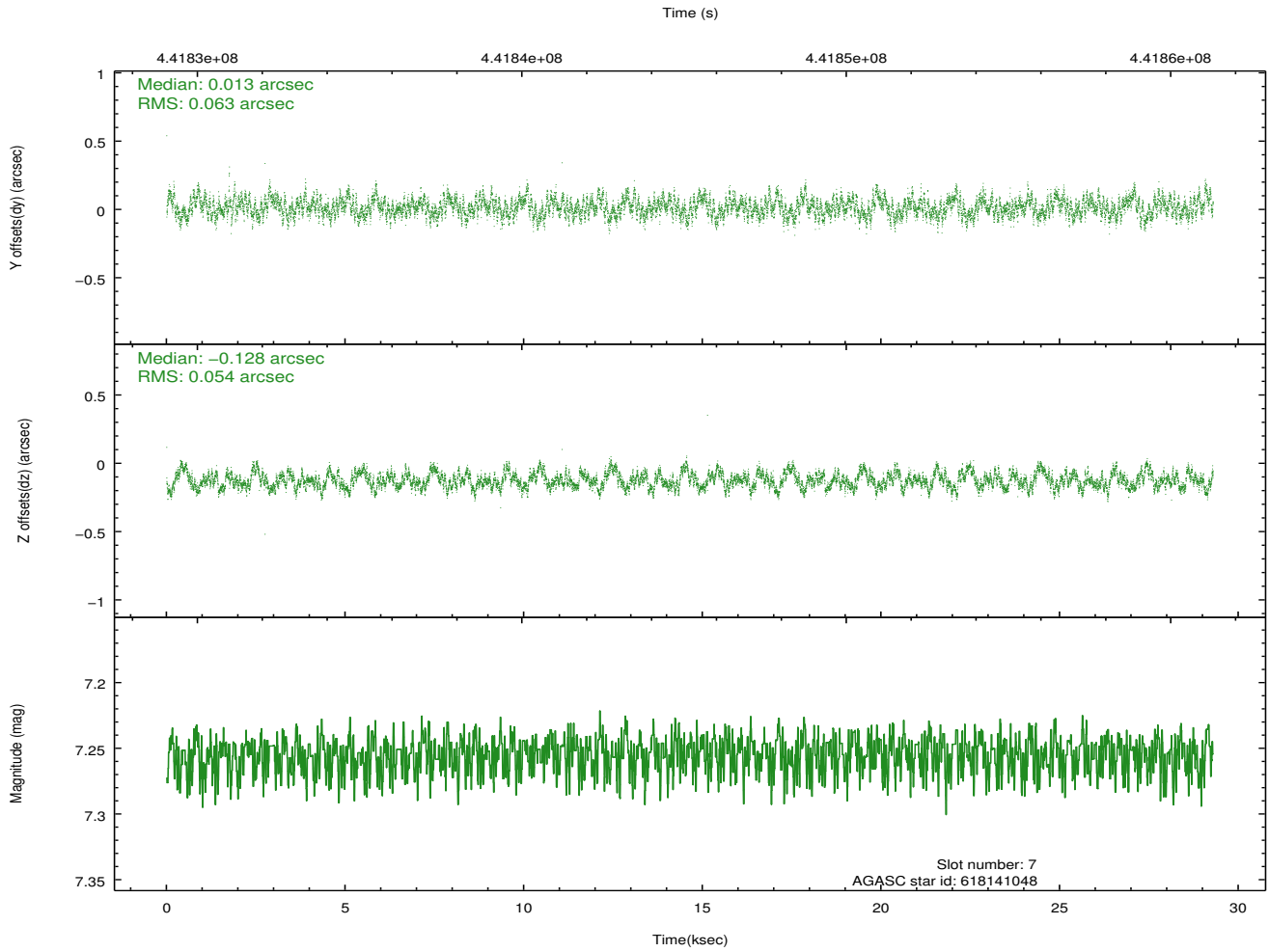
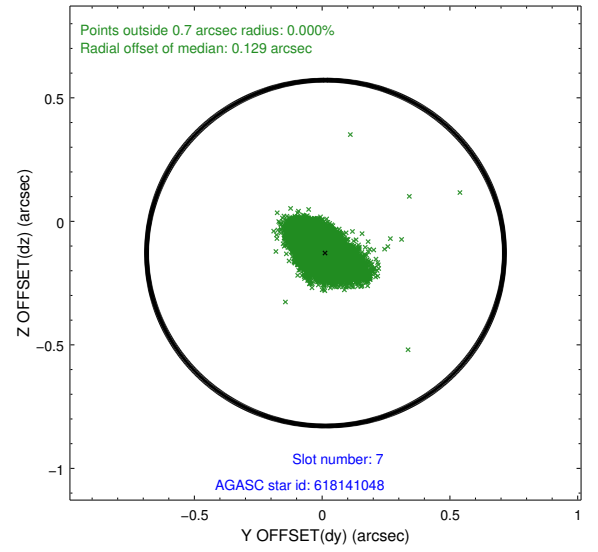
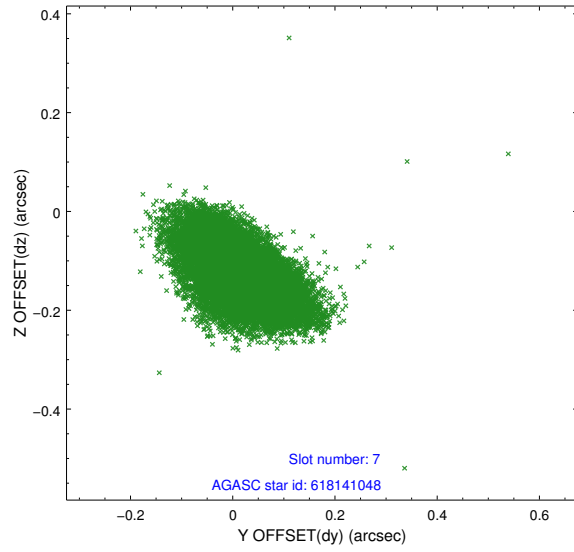
2.4.3 Slot 5



2.4.4 Slot 6

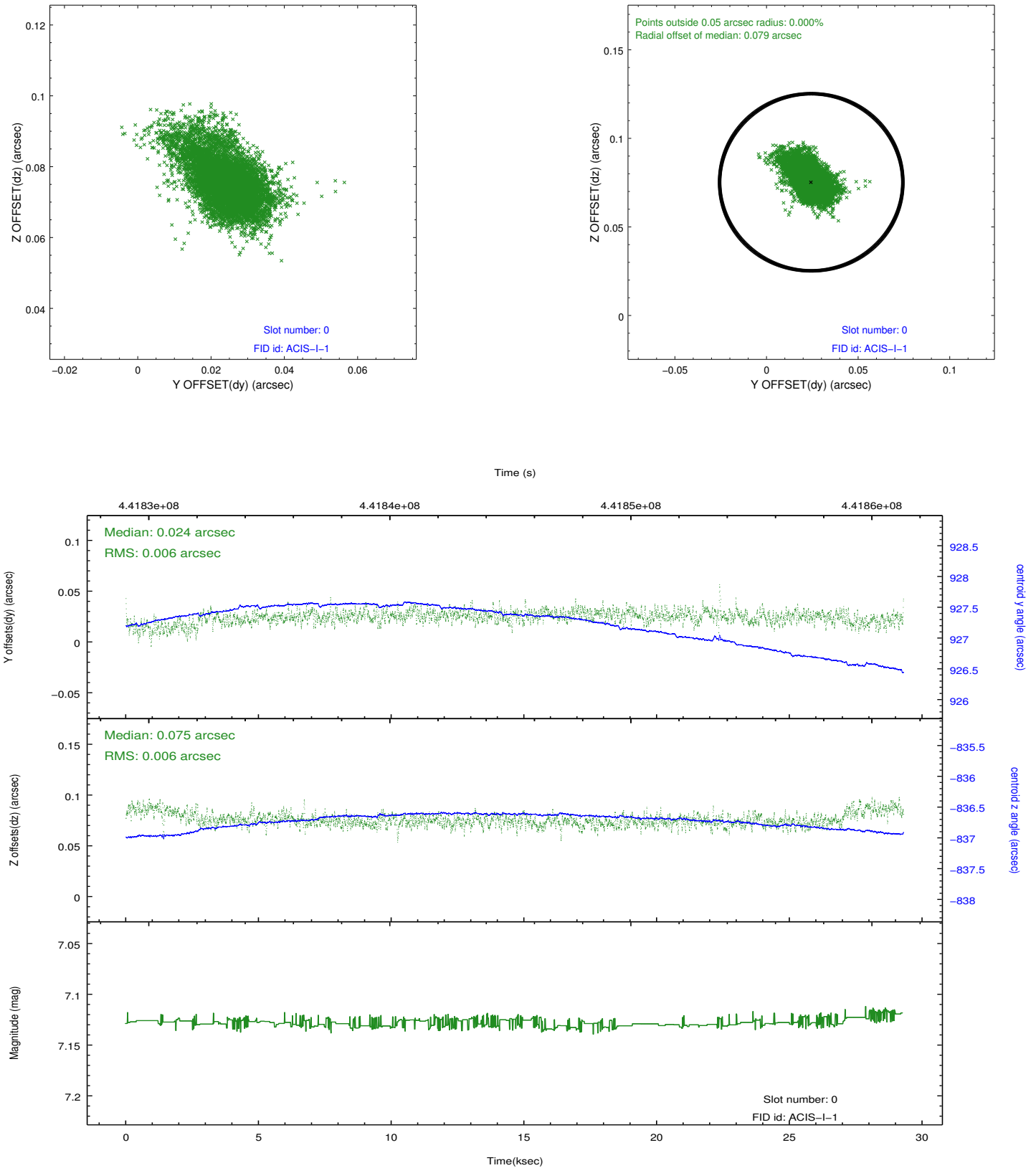


2.4.5 Slot 7

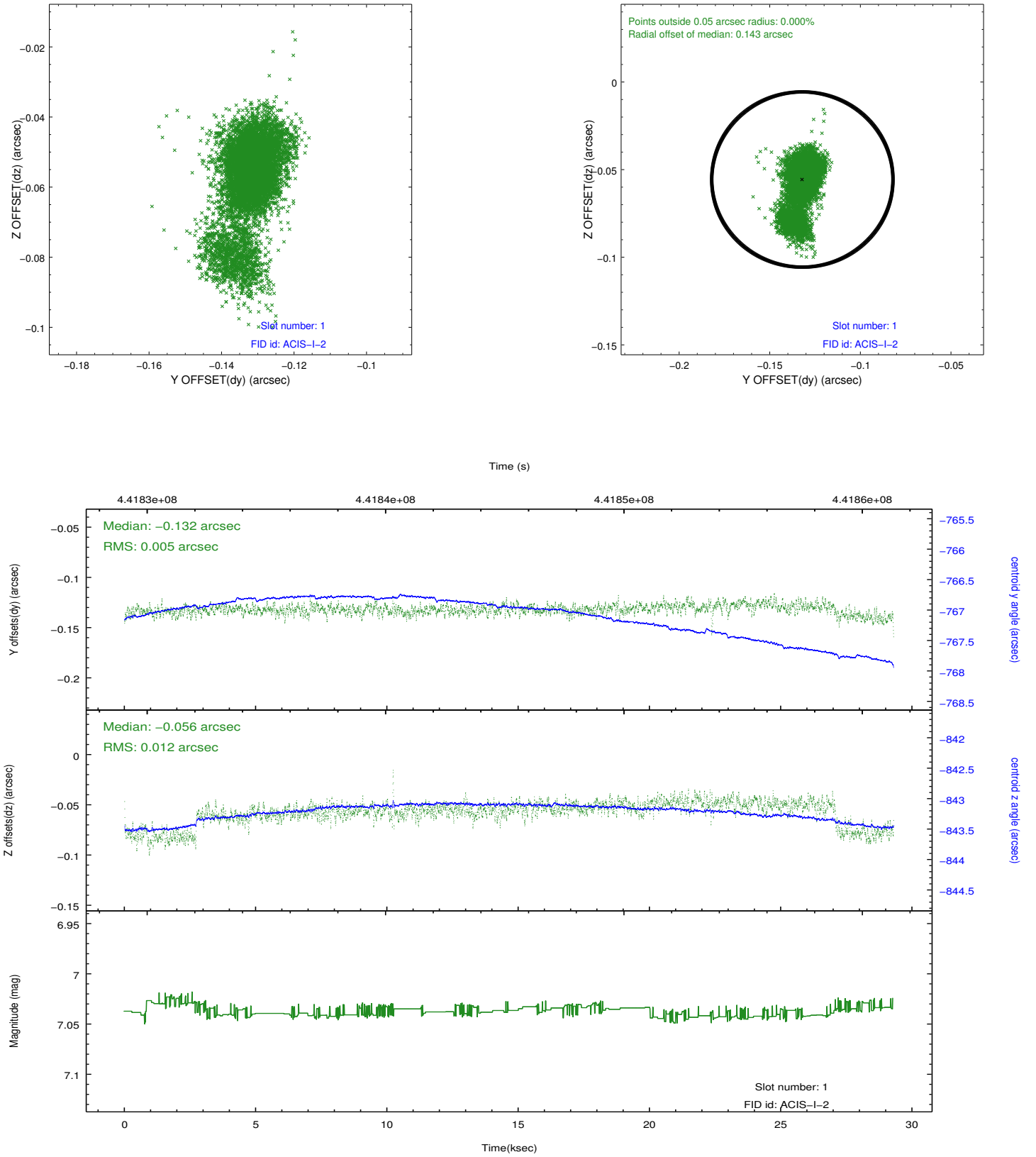


2.5 FID Slots

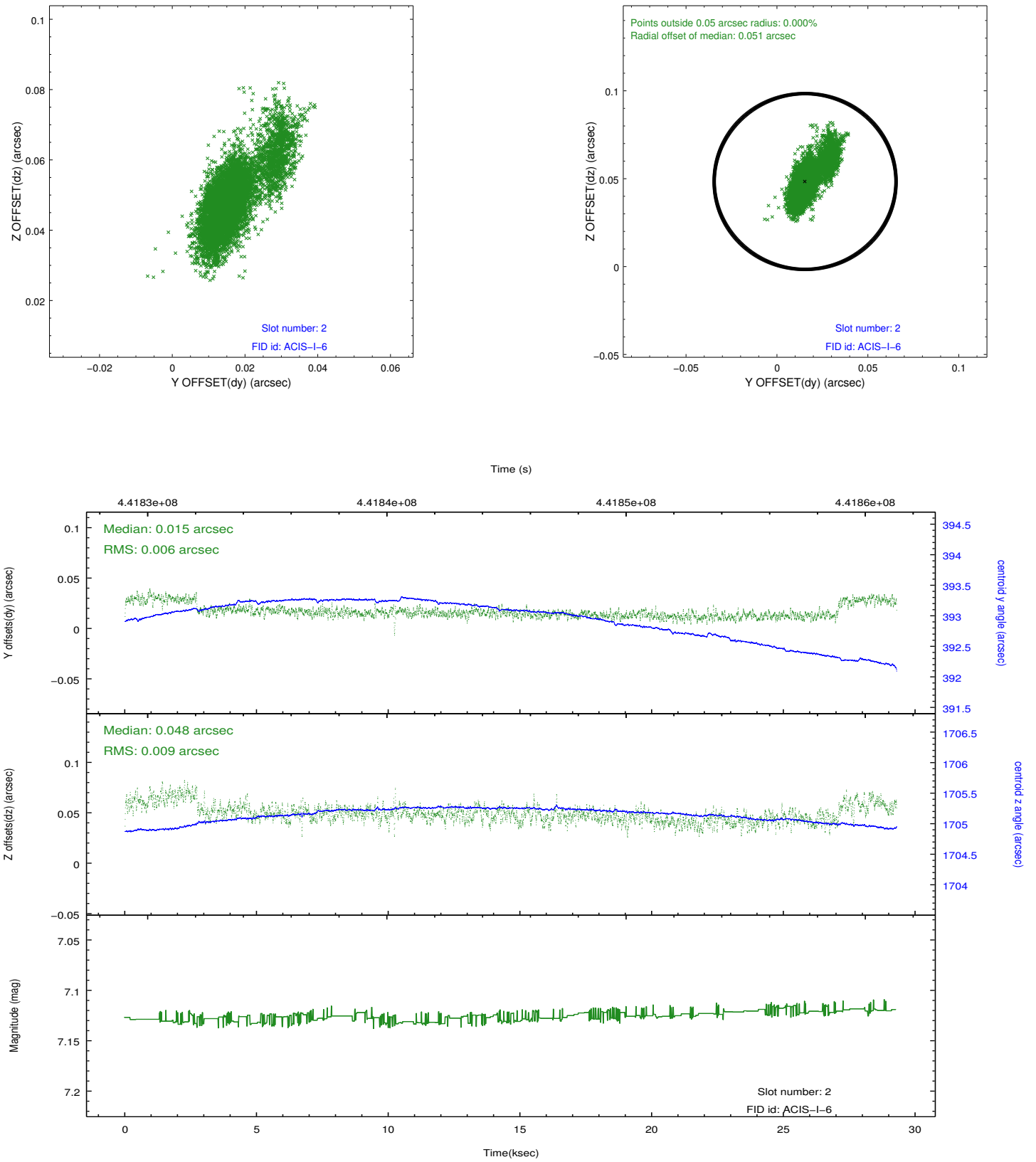
2.5.1 Slot 0



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)	2012.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.972559192479

A.2 Comments