

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10987 - L2 Version 2
Chandra X-Ray Center

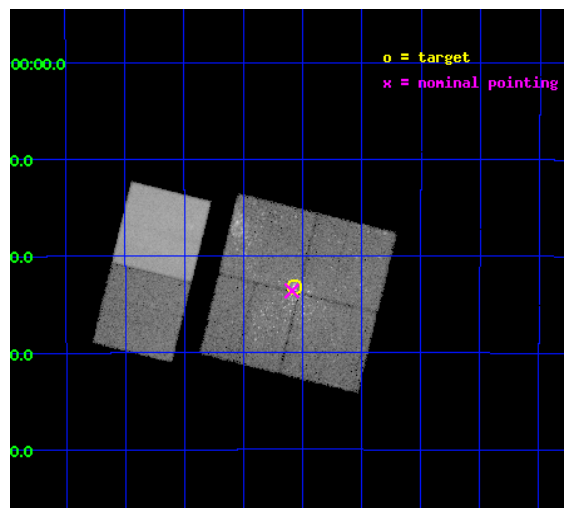
L2 Processing Date : Jun 30 2012

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1 Front

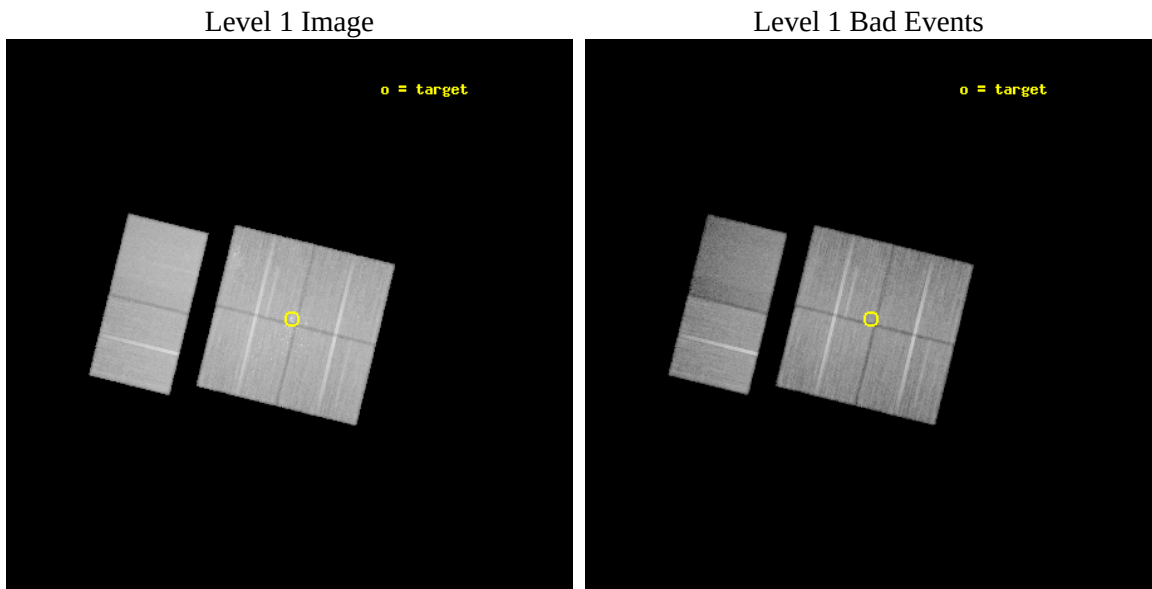
seq_num	200618	Sequence number
obs_id	10987	Observation id
title	A New Story for Massive Star Formation in NGC 6357	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	G353.1+0.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	261.3925	Observer's specified target RA [deg]
dec_targ	-34.386583	Observer's specified target Dec [deg]
ra_nom	261.39756623298	Nominal RA [deg]
dec_nom	-34.393496294428	Nominal Dec [deg]
roll_nom	283.79929966173	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41046.358826935	Sum of GTIs [s]
livetime	40526.605116319	Livetime [s]
ontime0	41049.518830419	Sum of GTIs [s]
ontime1	41046.318830132	Sum of GTIs [s]
ontime2	41049.599847138	Sum of GTIs [s]
ontime3	41046.358826935	Sum of GTIs [s]
ontime6	41043.117766678	Sum of GTIs [s]
ontime7	41049.599847138	Sum of GTIs [s]
l2events	310834	Number of level 2 events



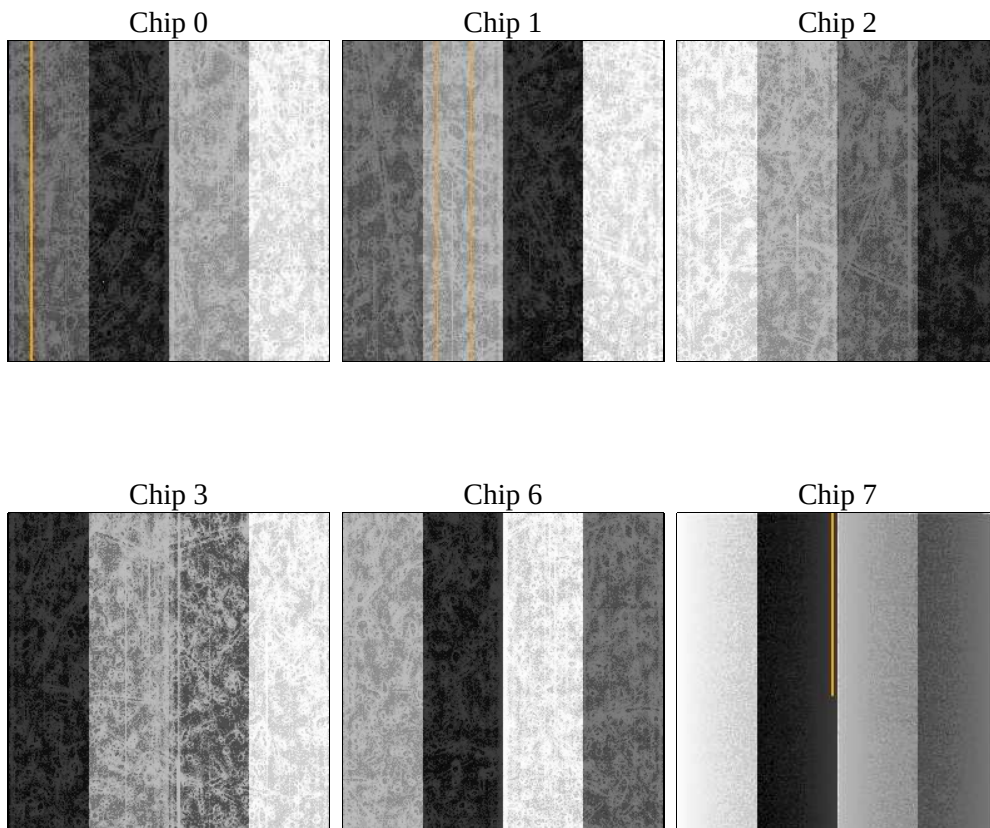
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	41046.358826935	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	41049.518830419	Sum of GTIs [s]
date	2012-06-30T14:36:34	Date and time of file creation	ontime1	41046.318830132	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	41049.599847138	Sum of GTIs [s]
			ontime3	41046.358826935	Sum of GTIs [s]
			ontime6	41043.117766678	Sum of GTIs [s]
			ontime7	41049.599847138	Sum of GTIs [s]
			l1events	1750972	Number of level 1 events

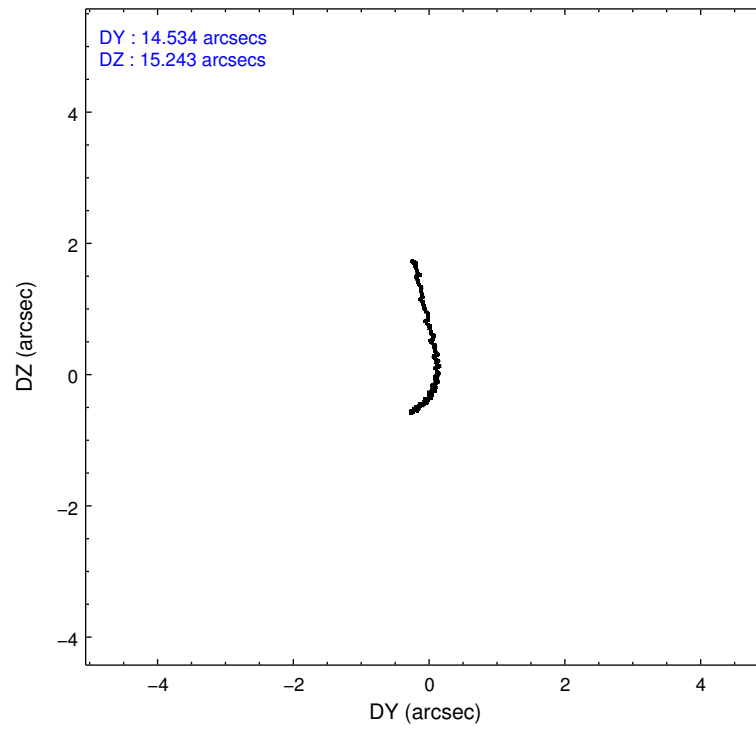
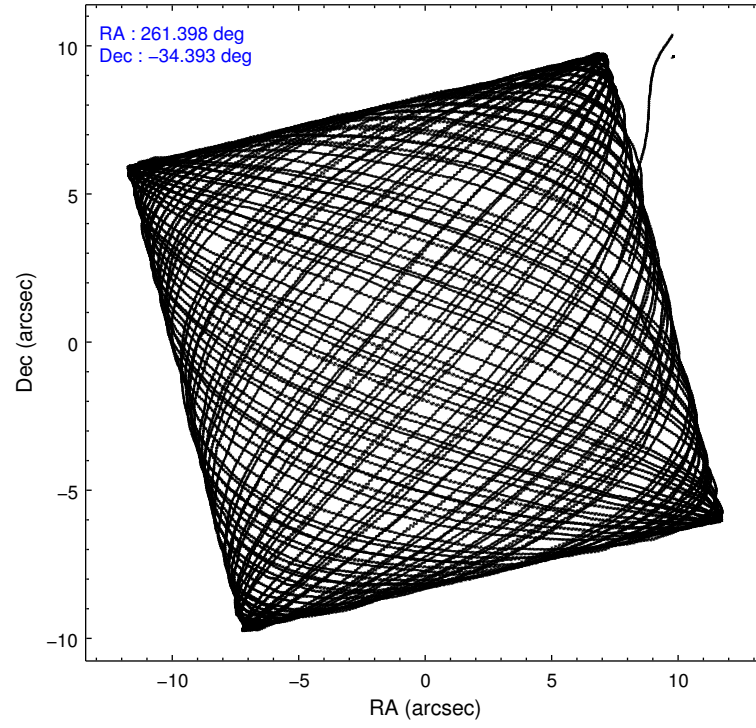
2.1.4 Events

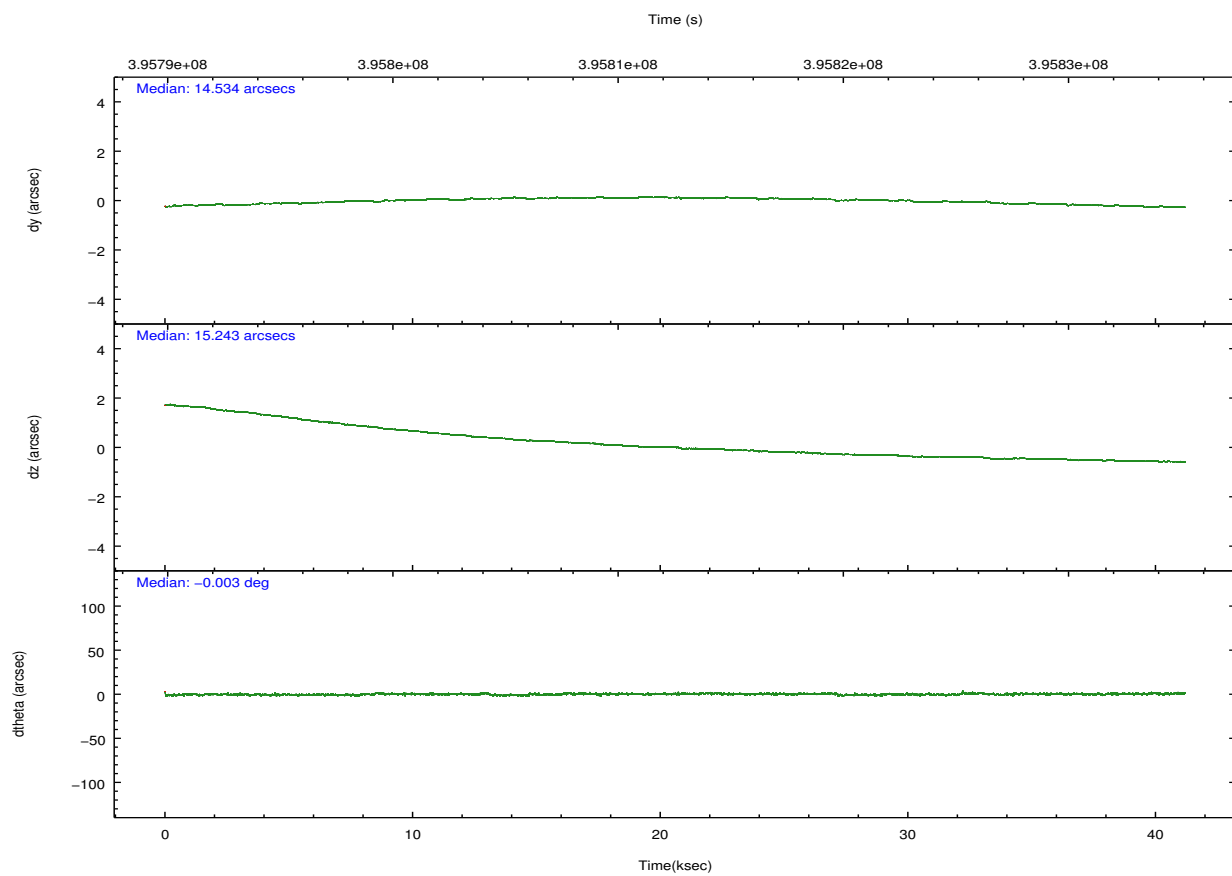
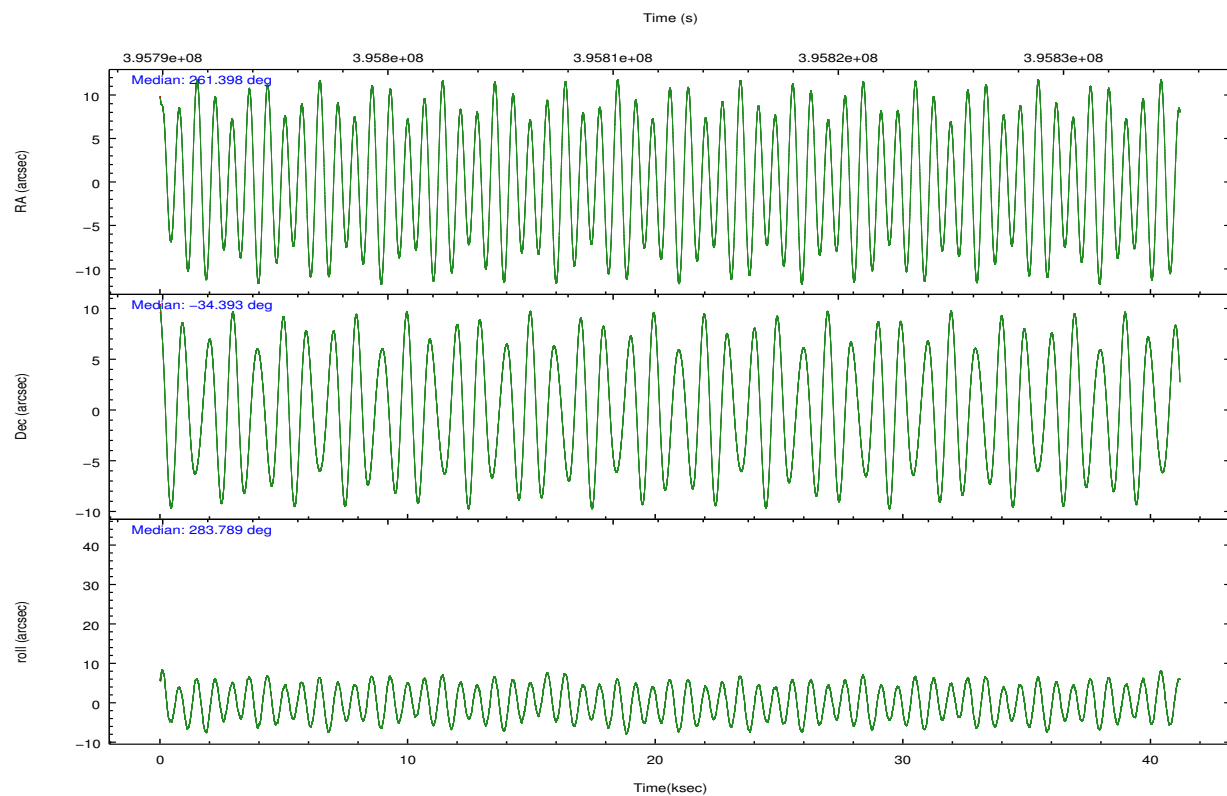
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	270093	269143	311235	299715	297001	303785	grade 0 events	16667	15886	19375	22666	13065	14954
rejected events	232387	231208	270969	255589	263064	154673		6%	5%	6%	7%	4%	4%
rejected %	86%	85%	87%	85%	88%	50%	grade 1 events	203	185	201	220	178	456
								0%	0%	0%	0%	0%	0%
							grade 2 events	8229	7905	8290	8185	7434	31570
								3%	2%	2%	2%	2%	10%
							grade 3 events	3638	3725	3507	3728	3423	13749
								1%	1%	1%	1%	1%	4%
							grade 4 events	3319	3690	3399	3551	3319	13813
								1%	1%	1%	1%	1%	4%
							grade 5 events	9745	10528	9010	11296	11494	32334
								3%	3%	2%	3%	3%	10%
							grade 6 events	5862	6734	5697	5999	6697	75032
								2%	2%	1%	2%	2%	24%
							grade 7 events	222430	220490	261756	244070	251391	121877
								82%	81%	84%	81%	84%	40%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	261.374397	261.3975662329823	CCD I2 on	Y	Y
[deg] Pointing Dec	-34.373733	-34.39349629442833	CCD I3 on	Y	Y
[deg] Pointing Roll	283.577530	283.7992996617339	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	395792127.184000	395790931.69323	CCD S5 on	N	N
Observation start date	2010-07-17T22:14:21	2010-07-17T21:55:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	395833127.184000	395834080.60794	On-chip summing requested	N	N
Observation end date	2010-07-18T09:37:41	2010-07-18T09:54:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



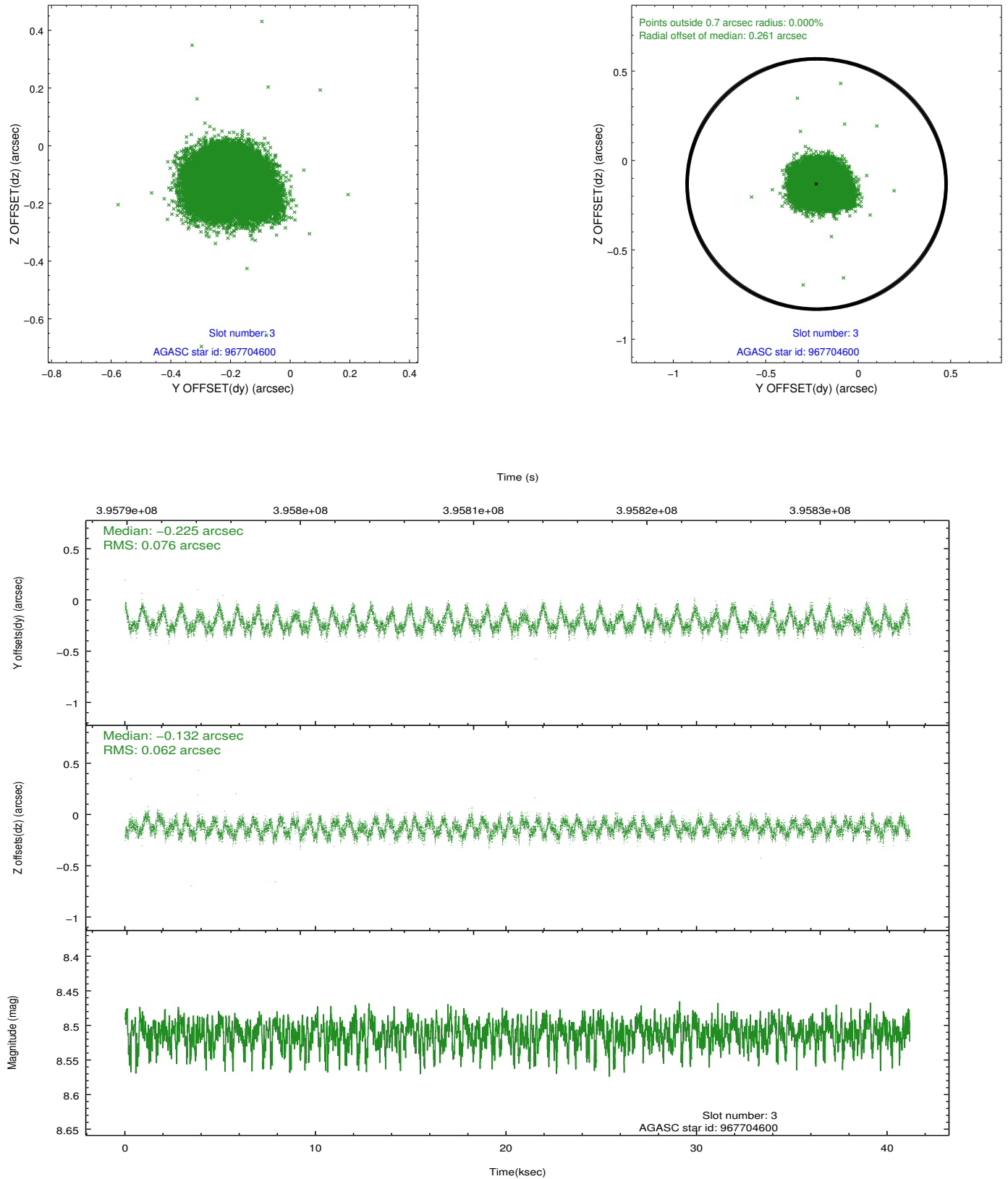


Slot Statistics

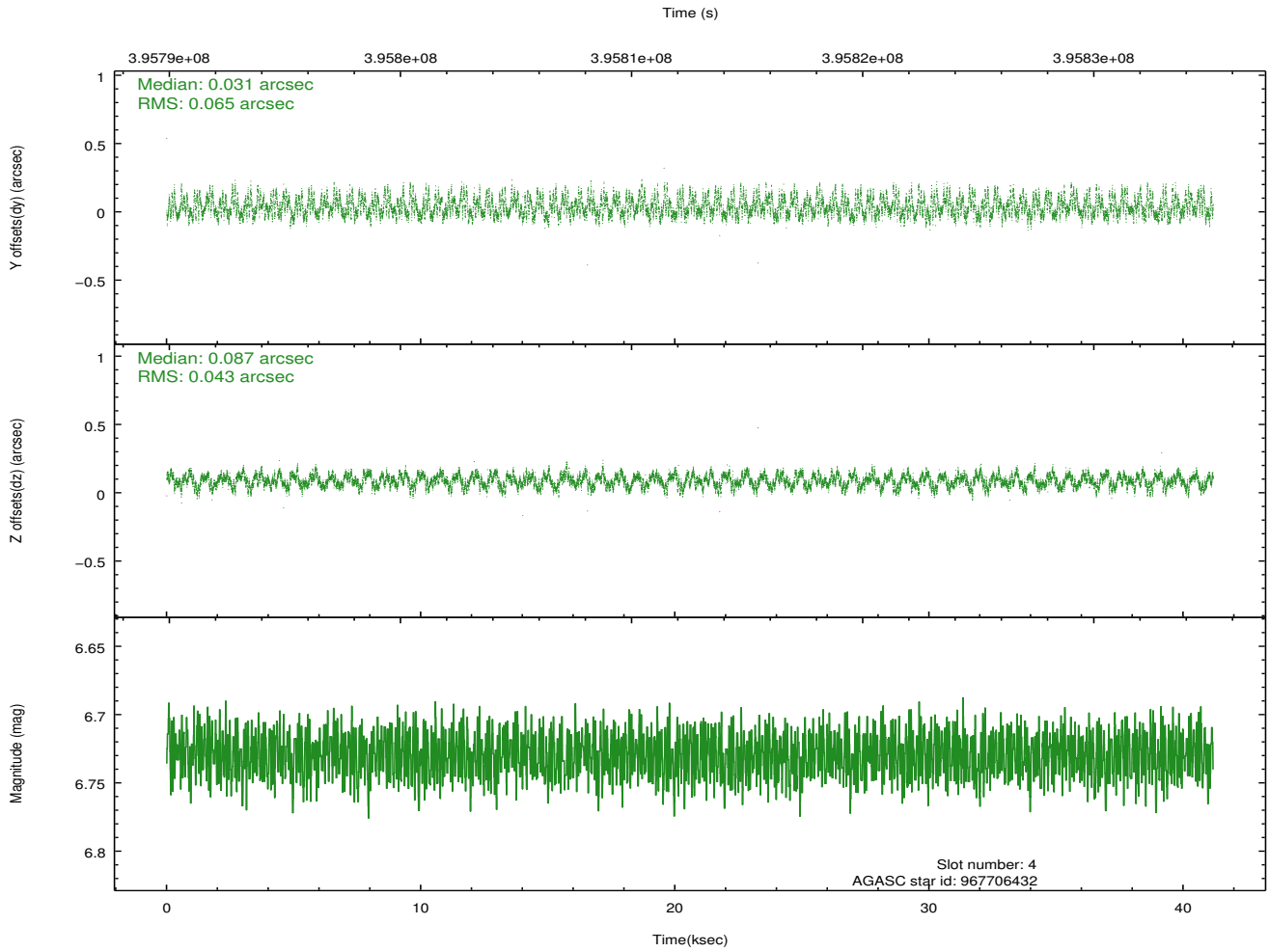
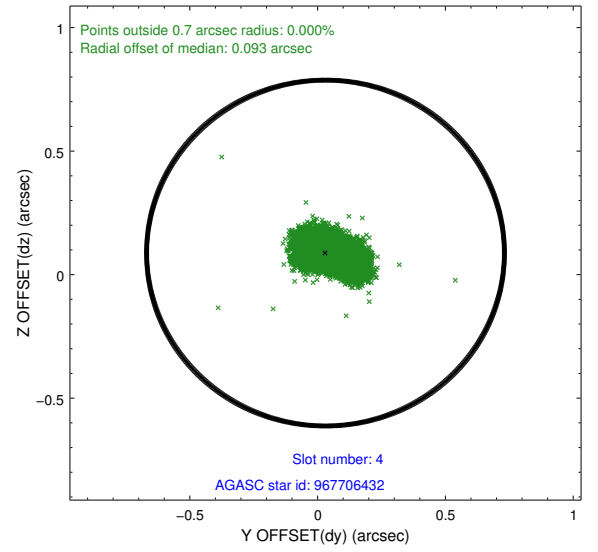
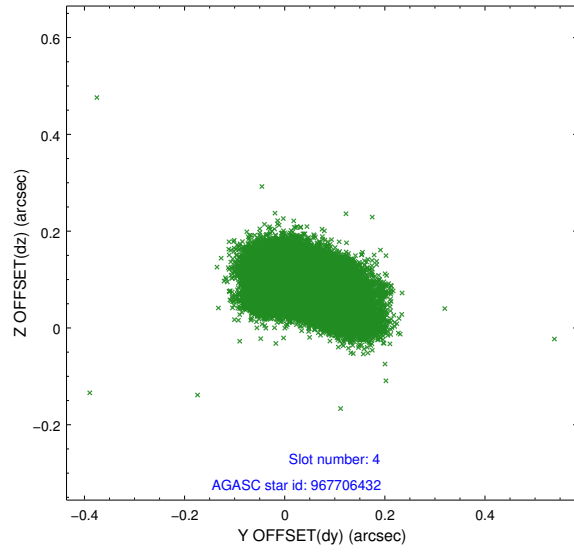
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.96	10043	-0.084	-0.055	0.028	0.054	0.000000	0.000000	-769.29	-845.47
1	FID	ACIS-I-4	6.97	10043	0.189	0.066	0.013	0.038	0.000000	0.000000	2145.03	1060.84
2	FID	ACIS-I-5	7.03	10045	-0.204	0.059	0.020	0.030	0.000000	0.000000	-1823.23	1058.67
3	GUIDE	967704600	8.51	20069	-0.225	-0.132	0.105	0.164	262.063091	-34.610970	1316.29	1781.37
4	GUIDE	967706432	6.73	20088	0.031	0.087	0.082	0.138	261.306065	-34.429958	150.17	-244.70
5	GUIDE	967707128	9.08	20066	-0.426	-0.057	0.078	0.128	261.767640	-34.671396	1317.70	879.84
6	GUIDE	966004224	8.02	20081	-0.720	0.448	0.093	0.148	260.824329	-33.819793	-2319.98	-1132.22
7	GUIDE	967711376	7.06	20086	1.307	-0.344	0.066	0.110	261.036431	-34.798453	1255.63	-1330.84

2.4 Star Slots

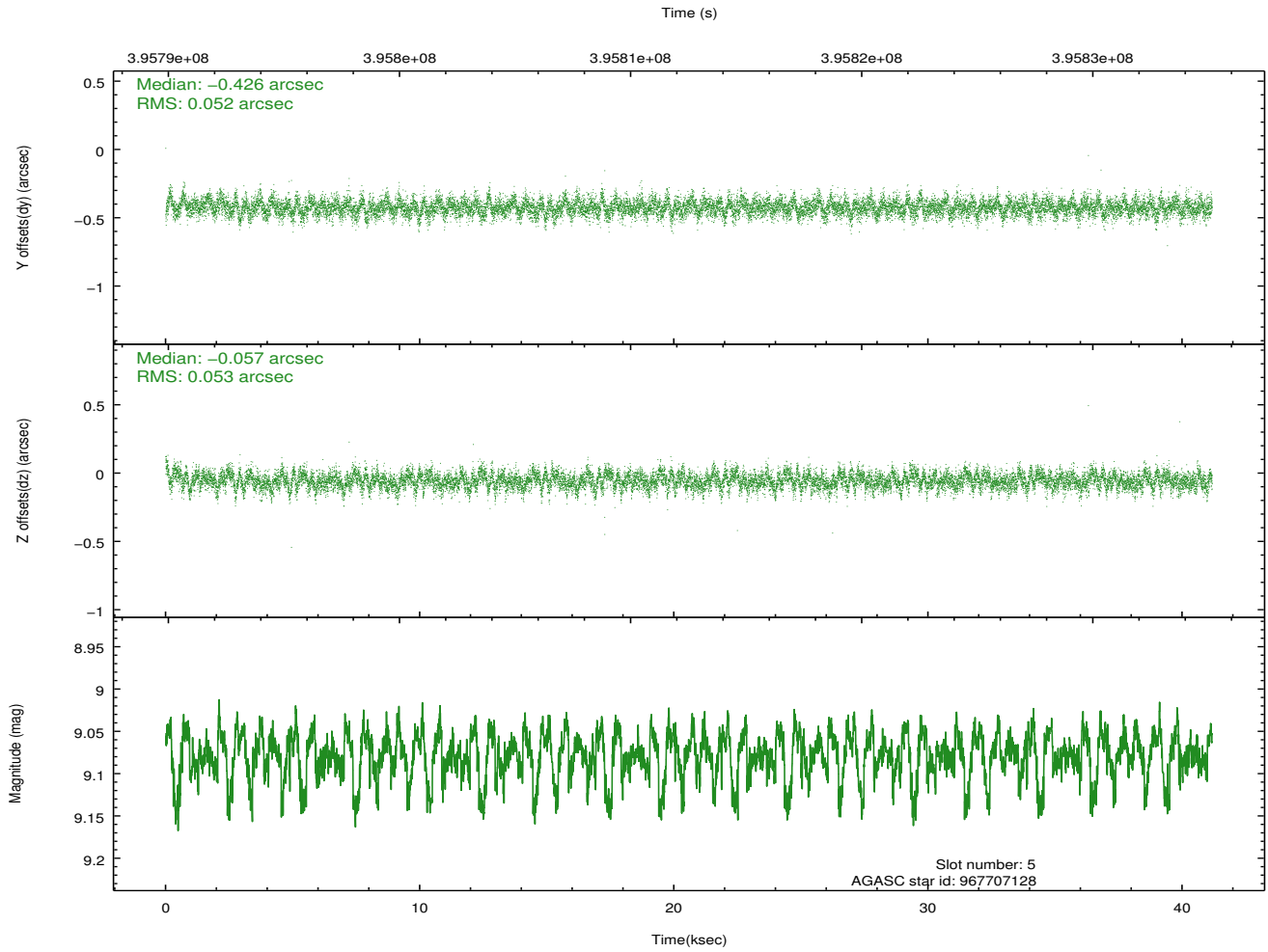
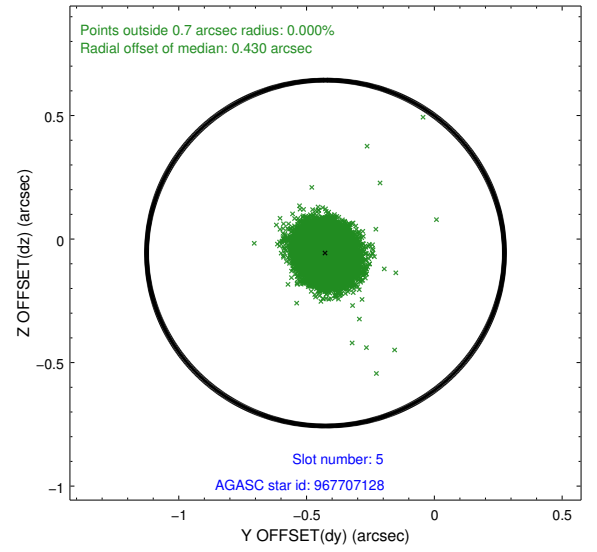
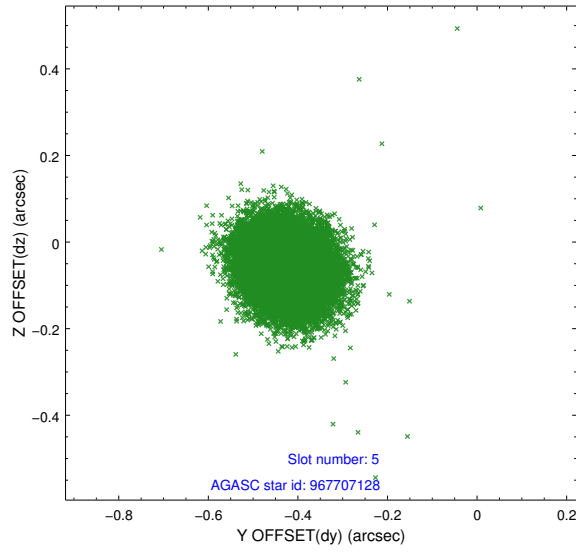
2.4.1 Slot 3



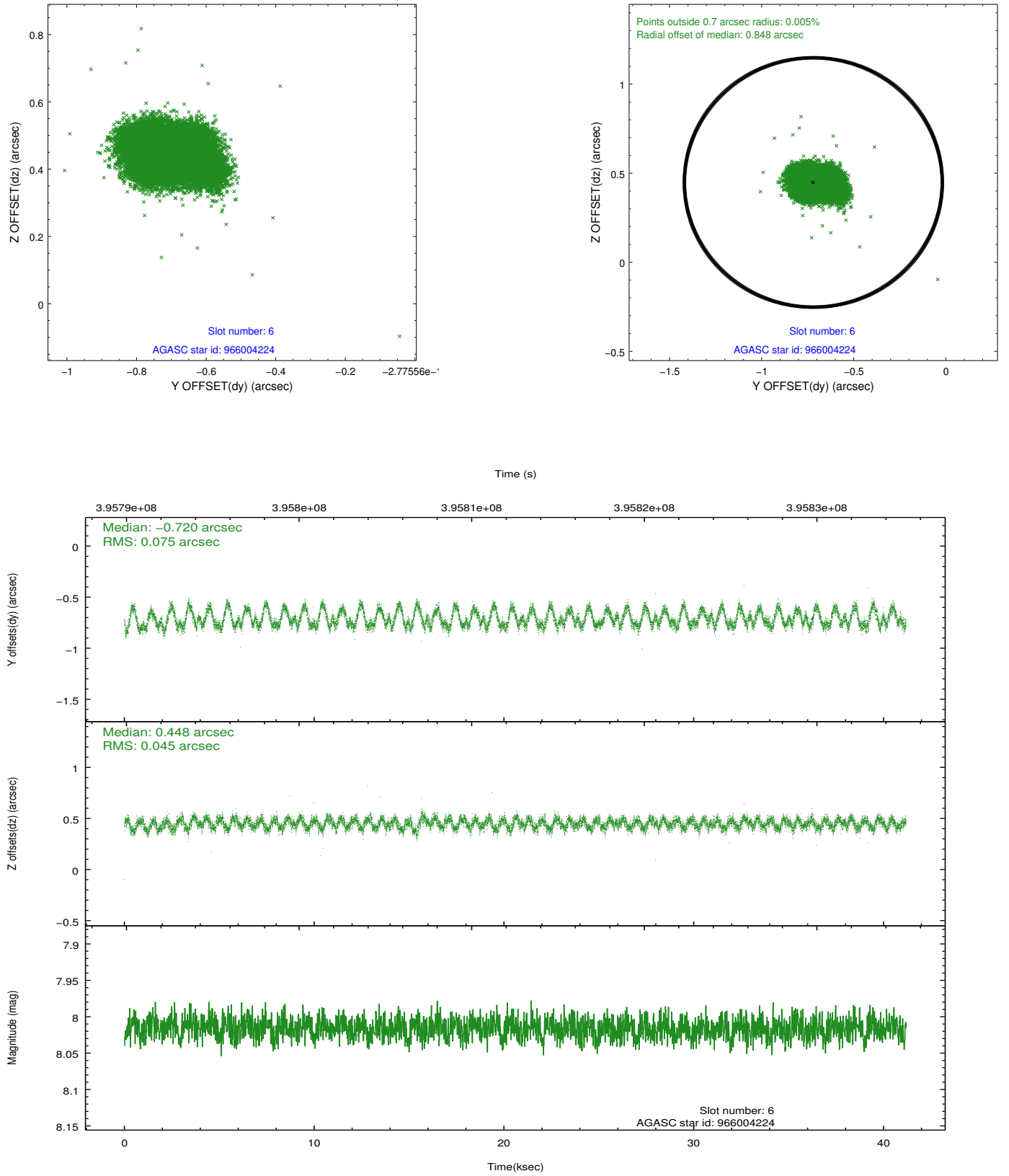
2.4.2 Slot 4



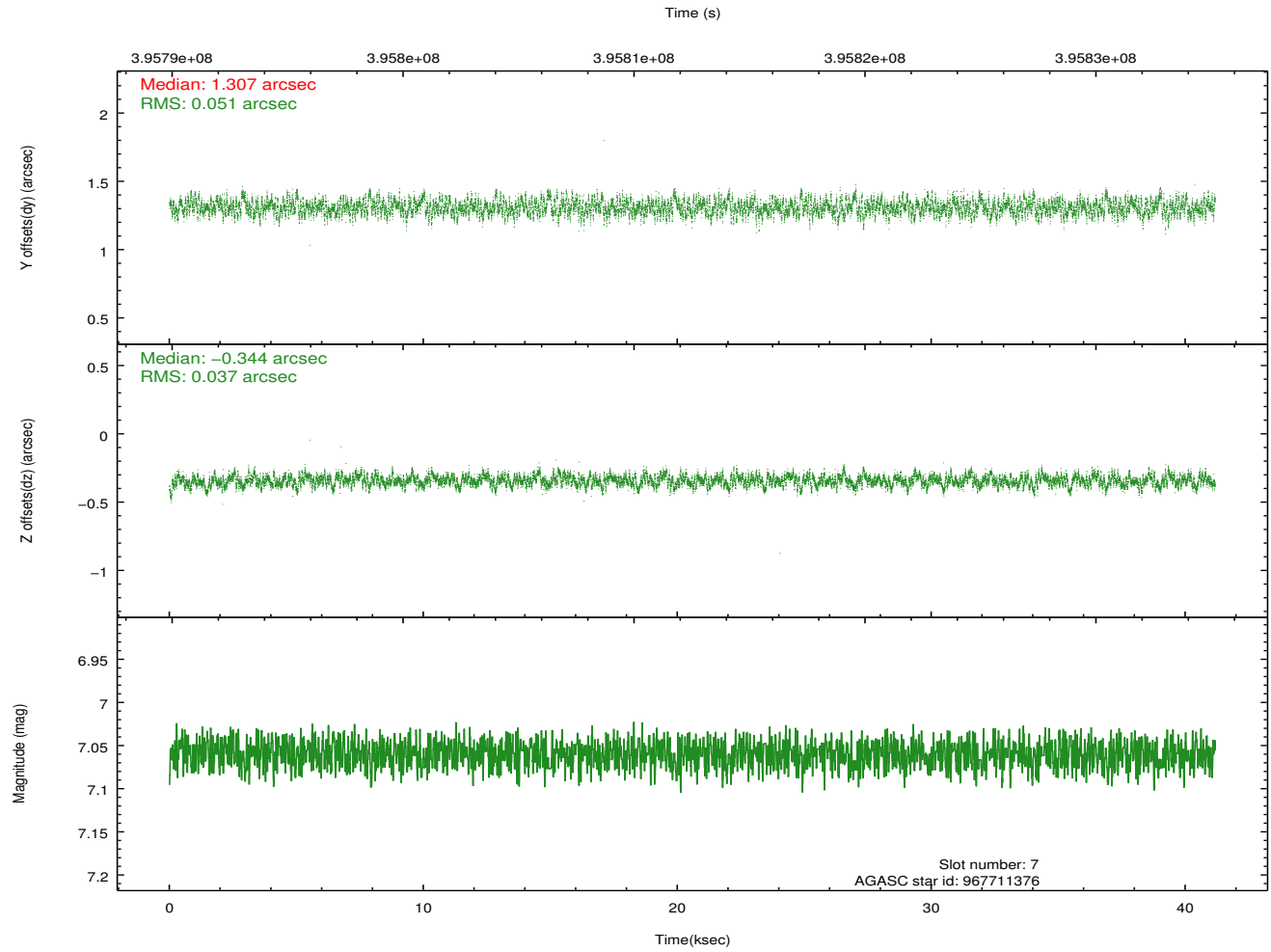
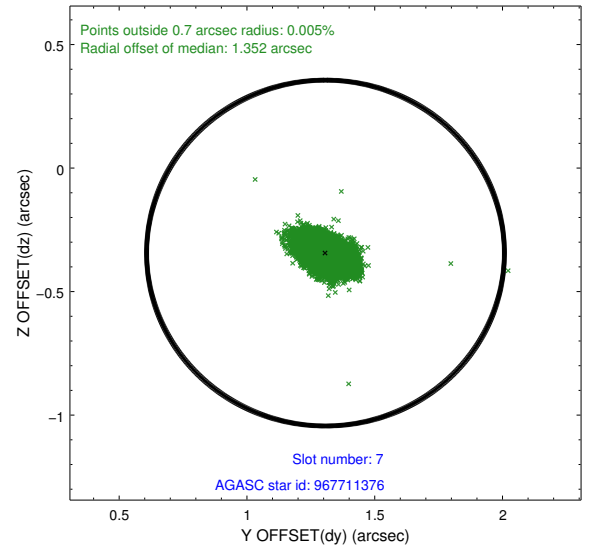
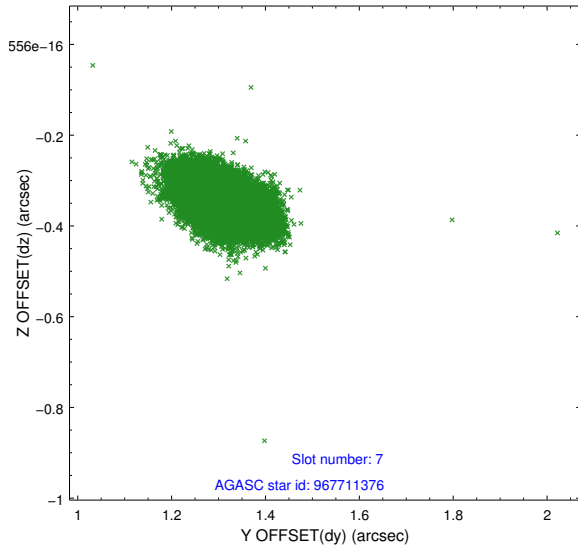
2.4.3 Slot 5



2.4.4 Slot 6

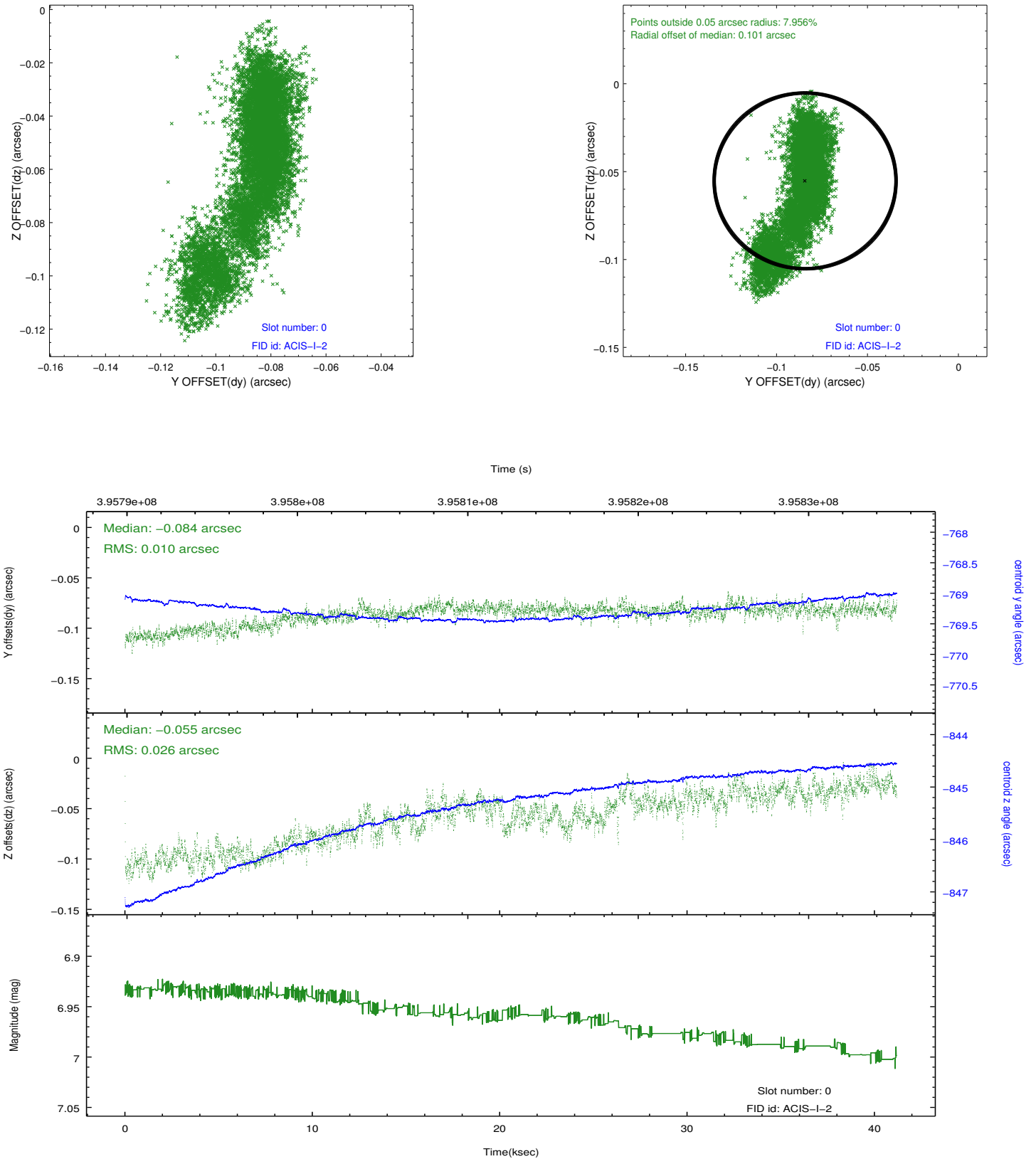


2.4.5 Slot 7

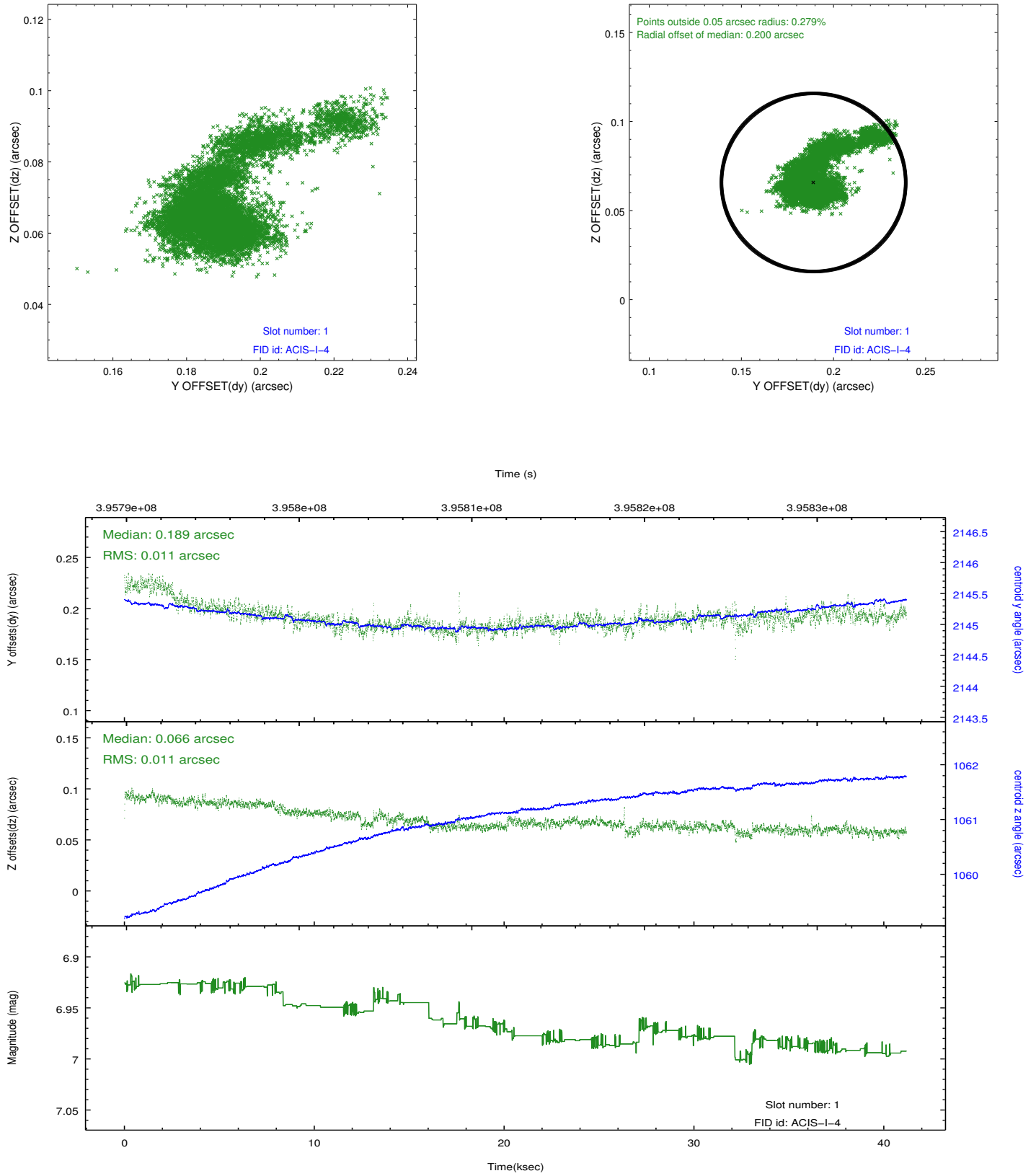


2.5 FID Slots

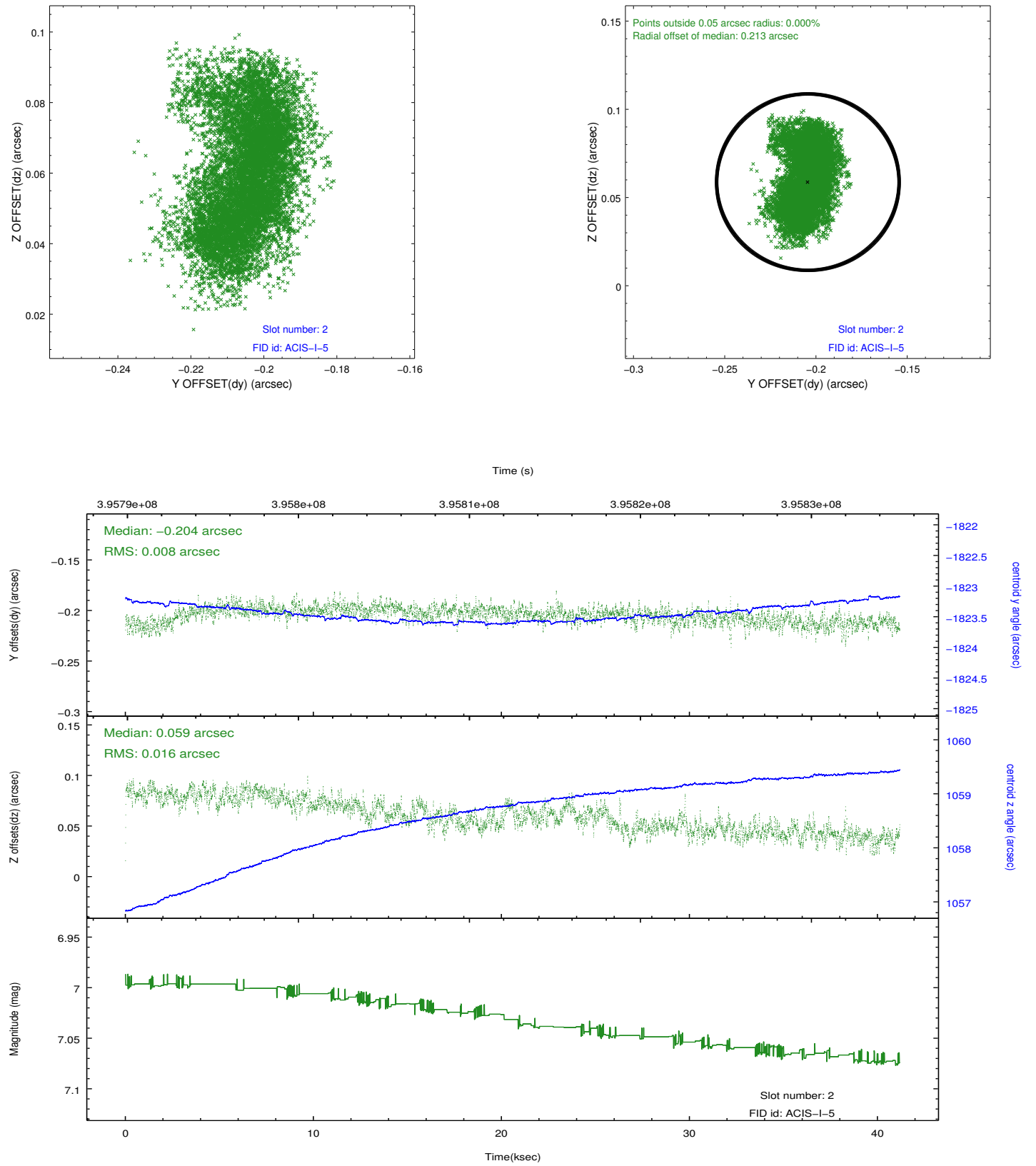
2.5.1 Slot 0



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)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.046358826935

A.2 Comments