

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7218 - L2 Version 2
Chandra X-Ray Center

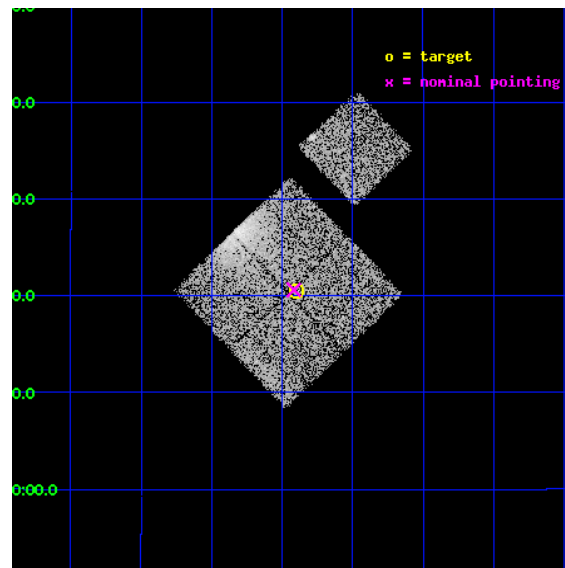
L2 Processing Date : Mar 16 2012

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1 Front

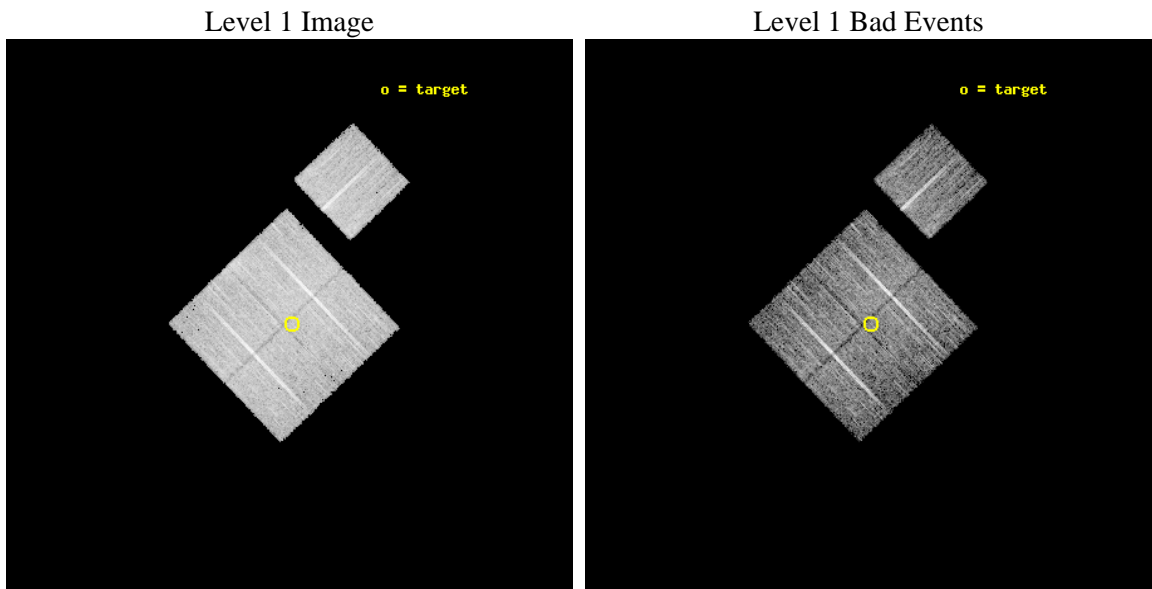
seq_num	800562	Sequence number
obs_id	7218	Observation id
title	Temperature profiles of relaxed galaxy clusters	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	A478_OFFSET2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	63.225	Observer's specified target RA [deg]
dec_targ	10.341667	Observer's specified target Dec [deg]
ra_nom	63.229276265109	Nominal RA [deg]
dec_nom	10.343557286743	Nominal Dec [deg]
roll_nom	46.207909984874	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8016.5999845564	Sum of GTIs [s]
livetime	7911.8572040232	Livetime [s]
ontime0	8016.5999845564	Sum of GTIs [s]
ontime1	8016.5999845564	Sum of GTIs [s]
ontime2	8016.5999845564	Sum of GTIs [s]
ontime3	8016.5999845564	Sum of GTIs [s]
ontime6	8016.5999845564	Sum of GTIs [s]
l2events	29591	Number of level 2 events



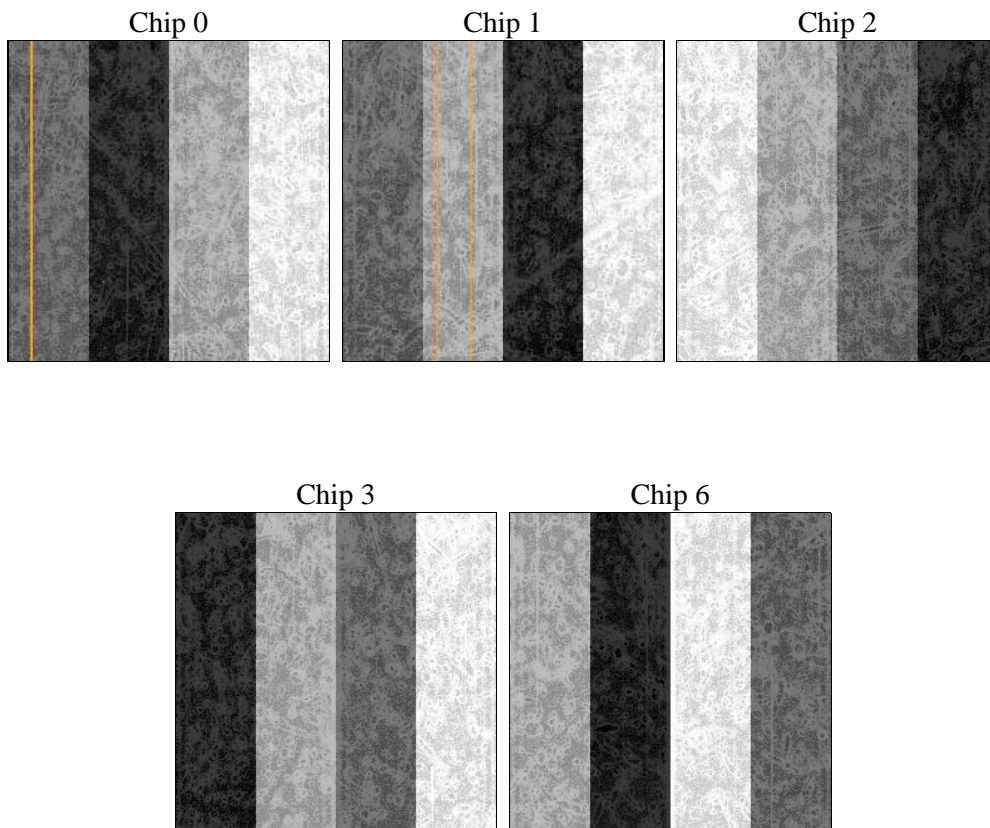
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8016.5999845564	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	8016.5999845564	Sum of GTIs [s]
date	2012-03-17T00:52:48	Date and time of file creation	ontime1	8016.5999845564	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8016.5999845564	Sum of GTIs [s]
			ontime3	8016.5999845564	Sum of GTIs [s]
			ontime6	8016.5999845564	Sum of GTIs [s]
			l1events	303295	Number of level 1 events

2.1.4 Events

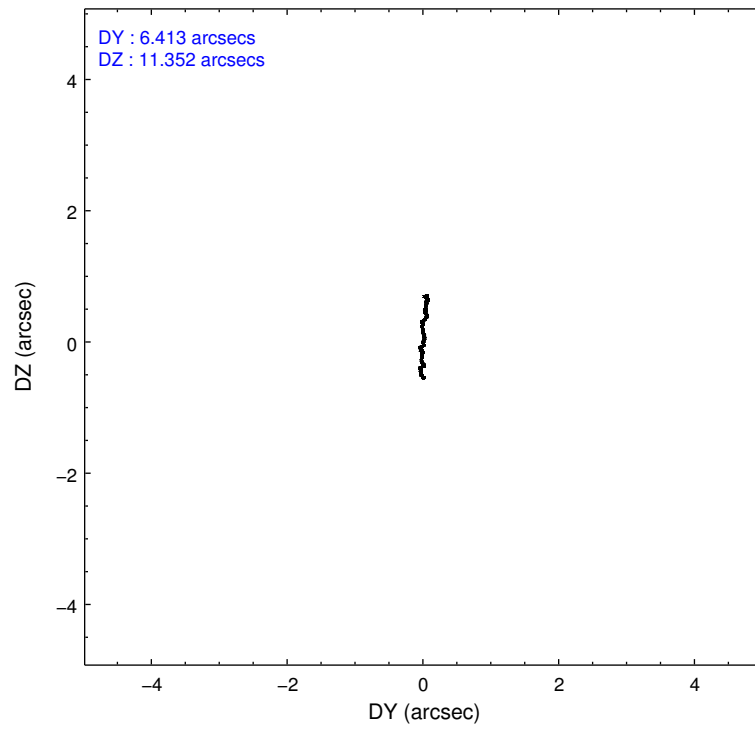
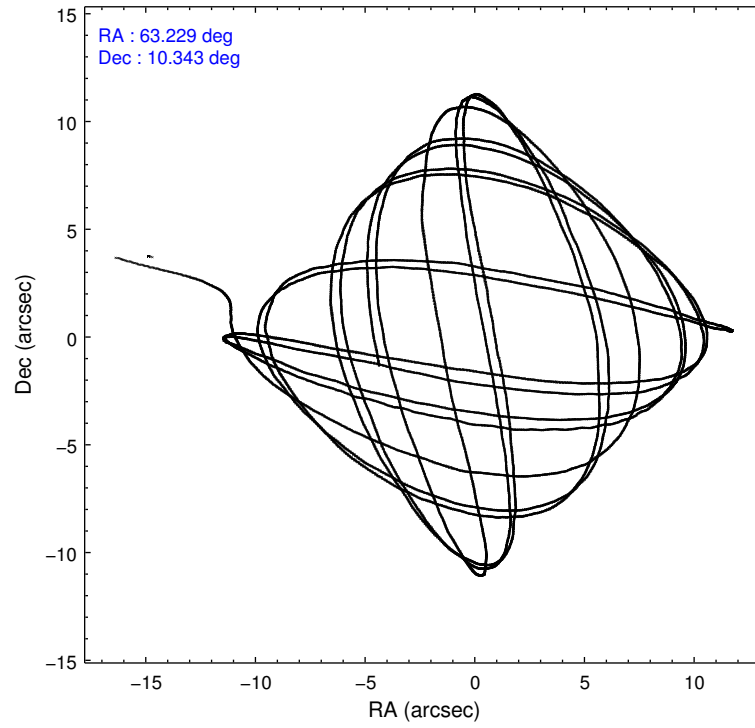
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	59469	54660	68868	59811	60487
rejected events	51272	48527	59297	54475	54777
rejected %	86%	88%	86%	91%	90%

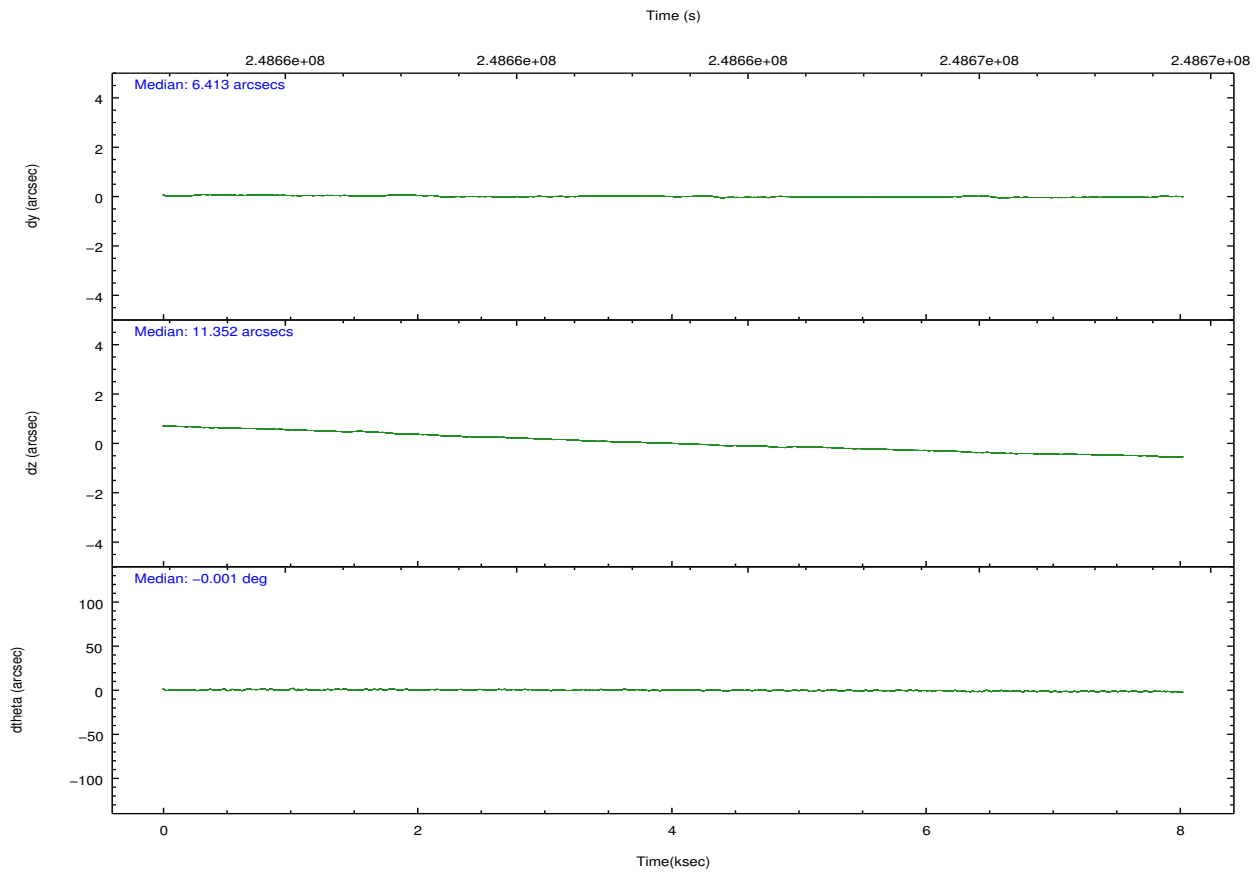
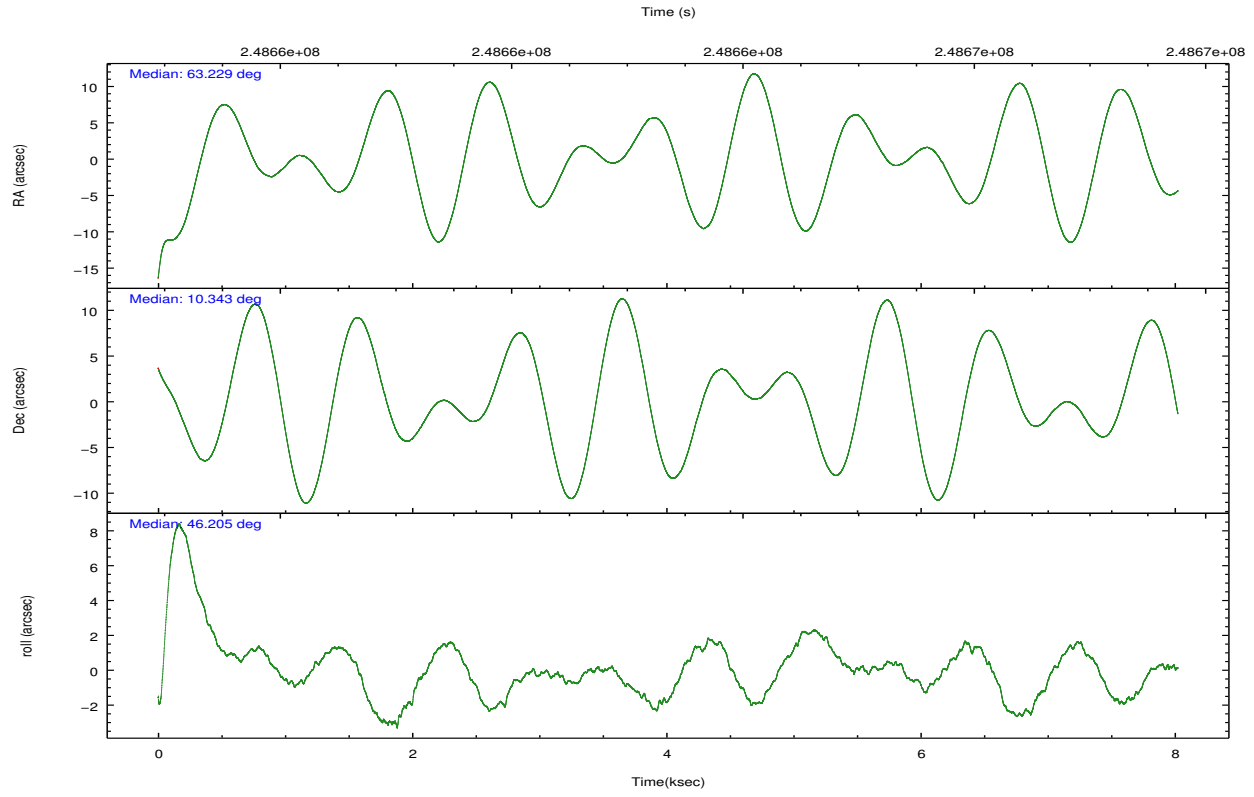
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4253	2448	5486	2169	2330
	7%	4%	7%	3%	3%
grade 1 events	34	36	59	34	23
	0%	0%	0%	0%	0%
grade 2 events	1683	1466	1897	1233	1338
	2%	2%	2%	2%	2%
grade 3 events	884	756	774	659	699
	1%	1%	1%	1%	1%
grade 4 events	795	739	812	683	687
	1%	1%	1%	1%	1%
grade 5 events	2050	2286	1989	2379	2357
	3%	4%	2%	3%	3%
grade 6 events	1213	1355	1197	1175	1323
	2%	2%	1%	1%	2%
grade 7 events	48557	45574	56654	51479	51730
	81%	83%	82%	86%	85%

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	63.222805	63.22927626510947	Subarray requested	NONE	NONE
[deg] Pointing Dec	10.316874	10.34355728674341	Alternating exposures requested	N	N
[deg] Pointing Roll	46.000390	46.20790998487406	[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)	248659465.184000	248658104.90259			
Observation start date	2005-11-18T00:03:21	2005-11-17T23:41:44			
[s] Observation end time (MET)	248667365.184000	248668140.16555			
Observation end date	2005-11-18T02:15:01	2005-11-18T02:29:00			
Read mode	TIMED	TIMED			

2.3 Aspect



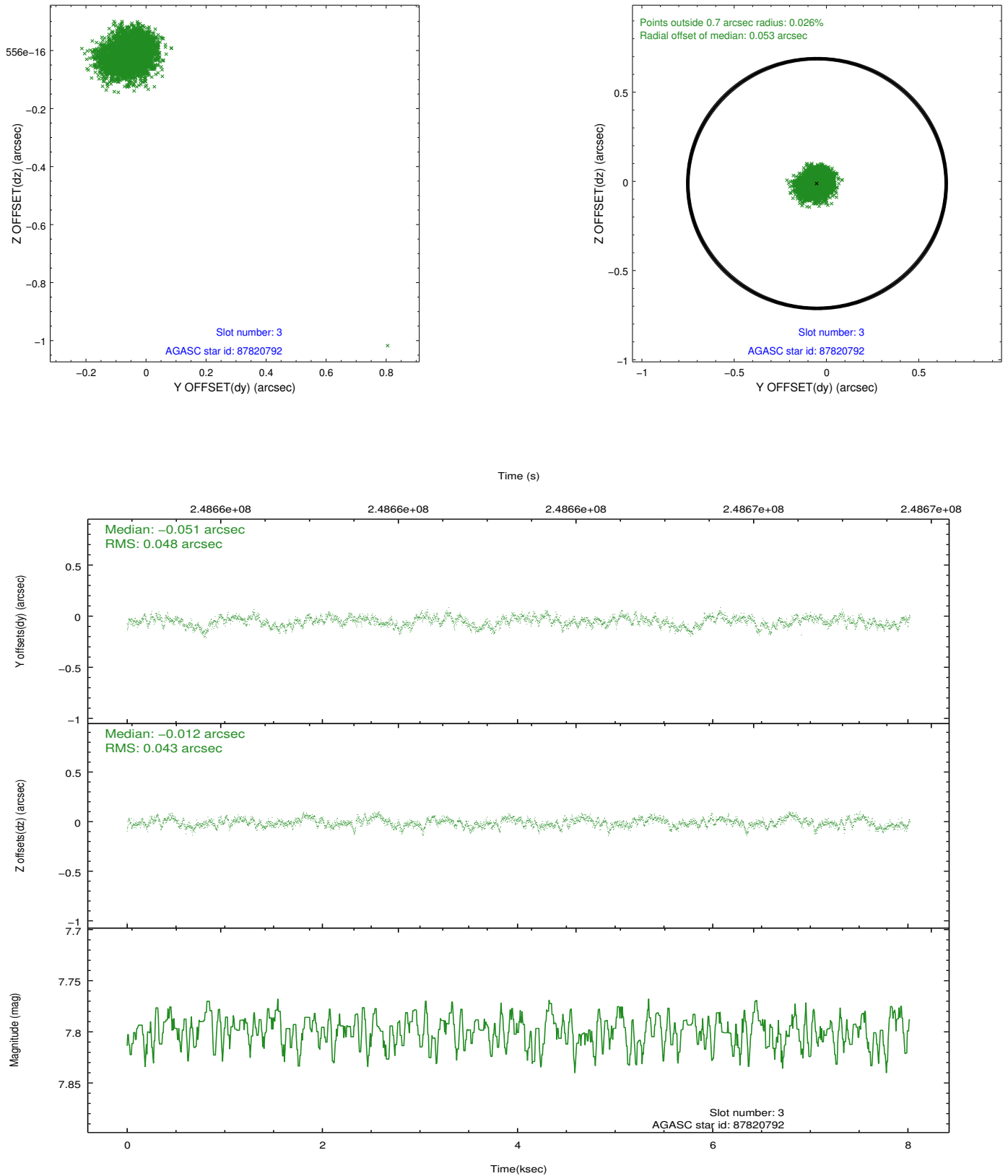


Slot Statistics

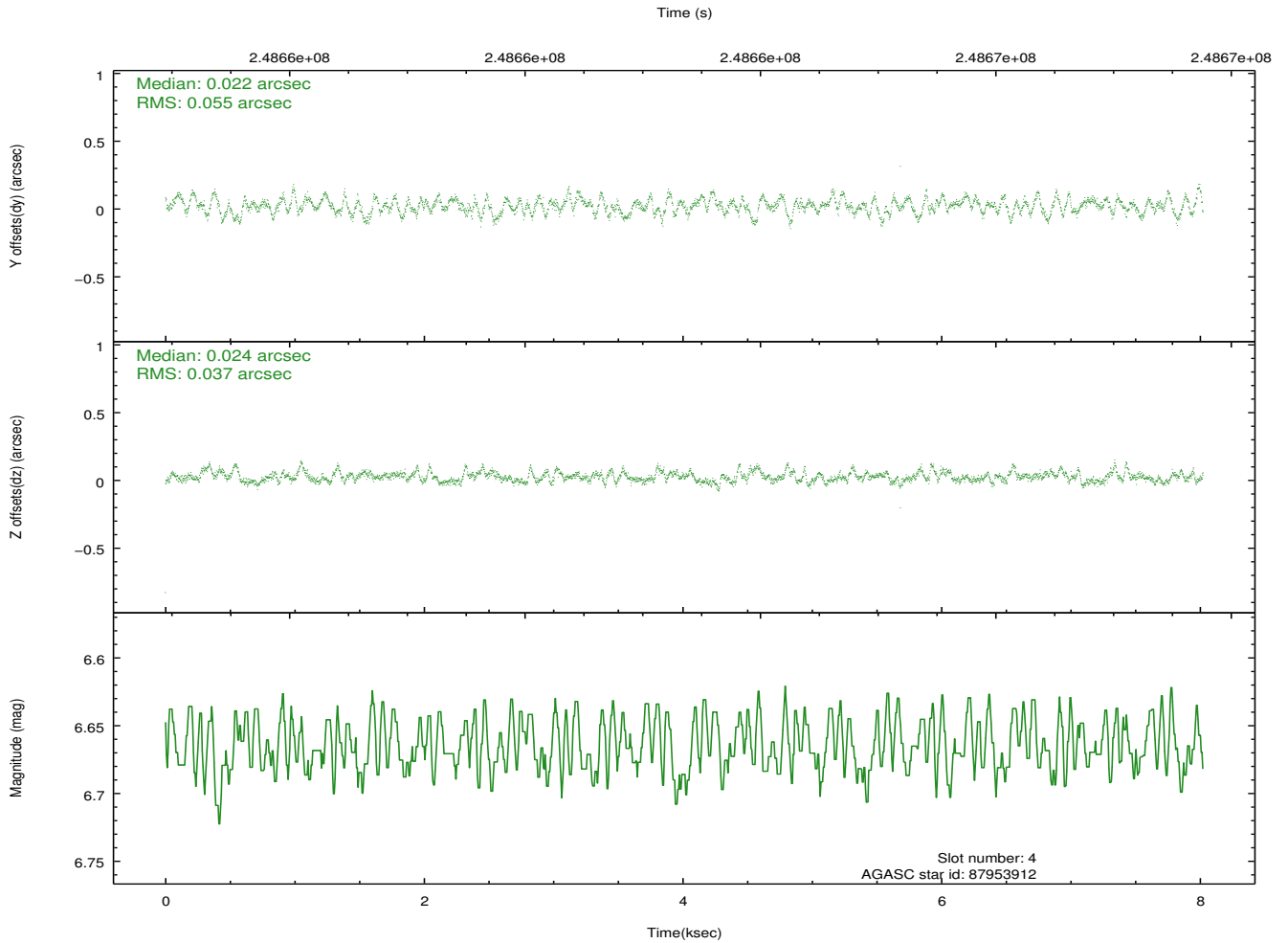
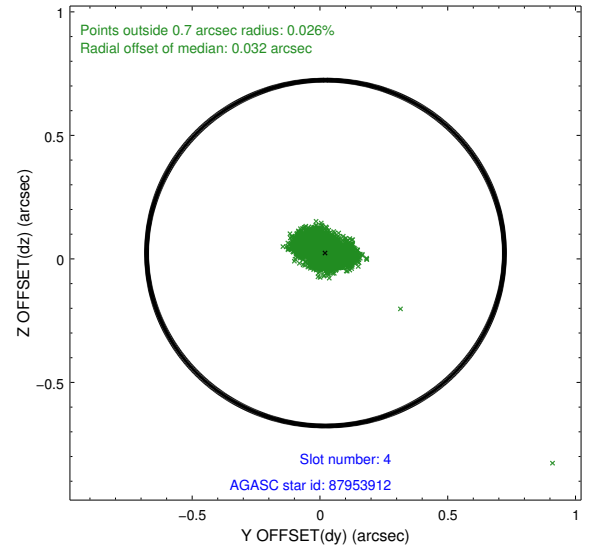
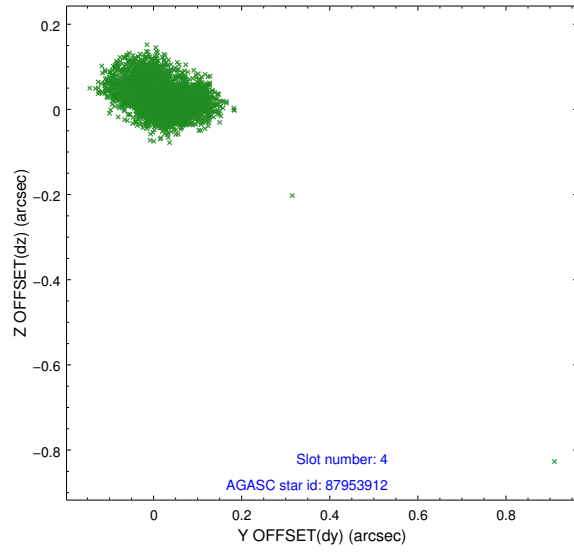
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1958	0.043	-0.025	0.011	0.019	0.000000	0.000000	933.30	-834.94
1	FID	ACIS-I-5	7.23	1958	-0.156	0.060	0.011	0.017	0.000000	0.000000	-1814.57	1062.35
2	FID	ACIS-I-6	7.26	1958	0.022	0.037	0.012	0.020	0.000000	0.000000	398.13	1707.57
3	GUIDE	87820792	7.80	3915	-0.051	-0.012	0.065	0.103	63.068647	9.650157	-2106.30	-1274.03
4	GUIDE	87953912	6.67	3915	0.022	0.024	0.067	0.112	63.394036	10.212467	150.93	-698.12
5	GUIDE	87954016	9.27	3914	0.088	-0.031	0.082	0.132	63.197646	10.607026	689.78	788.90
6	GUIDE	87954552	8.33	3915	-0.021	-0.158	0.050	0.083	63.195345	11.171305	2145.70	2206.45
7	GUIDE	87950304	8.06	3913	-0.037	0.175	0.069	0.111	63.753878	10.748130	2423.41	-271.07

2.4 Star Slots

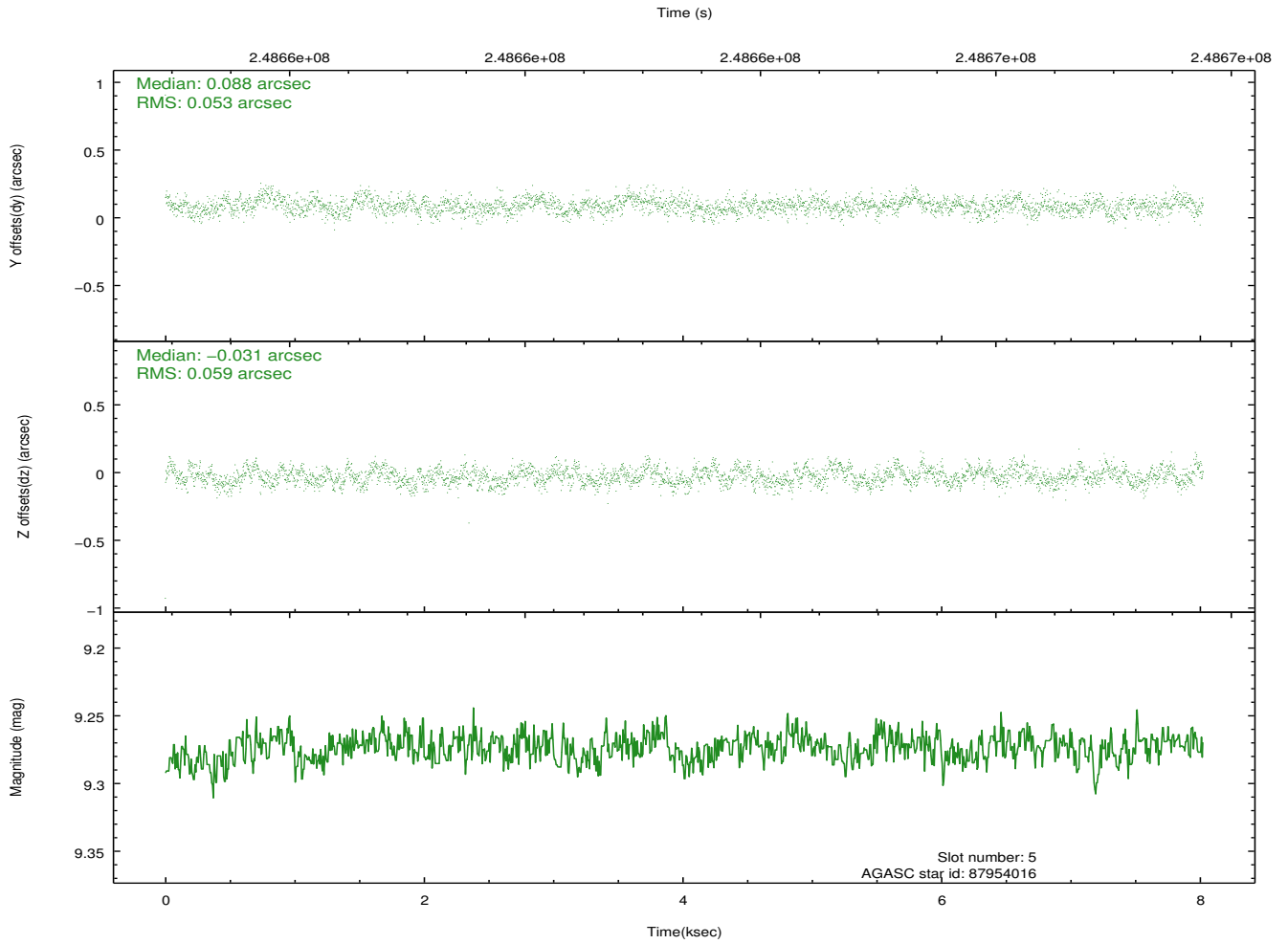
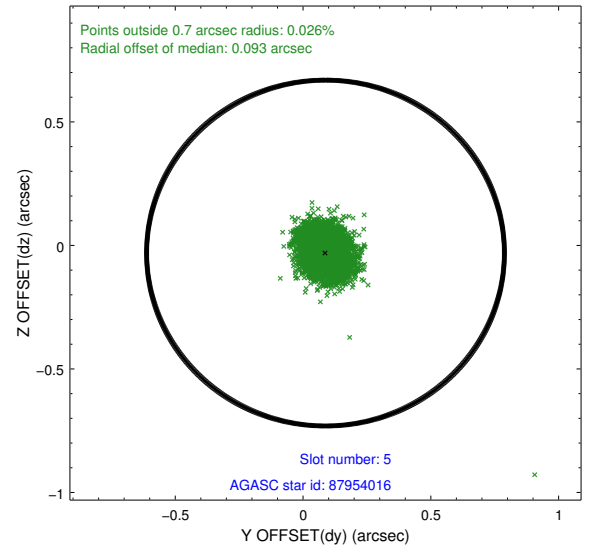
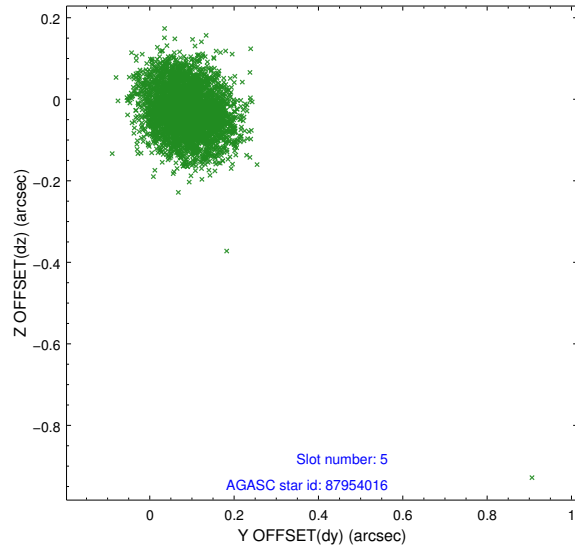
2.4.1 Slot 3



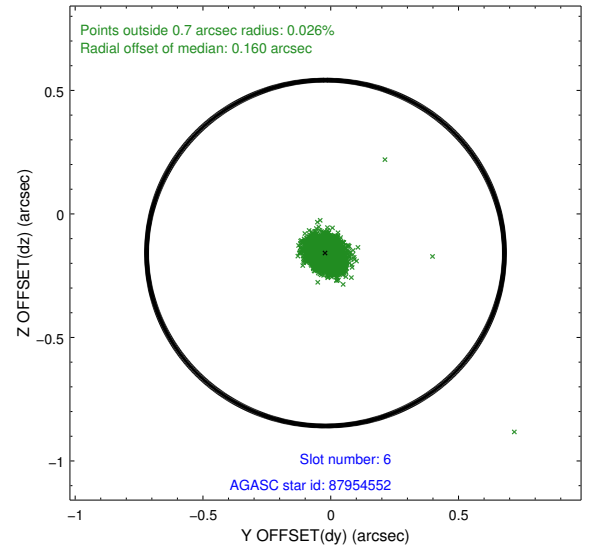
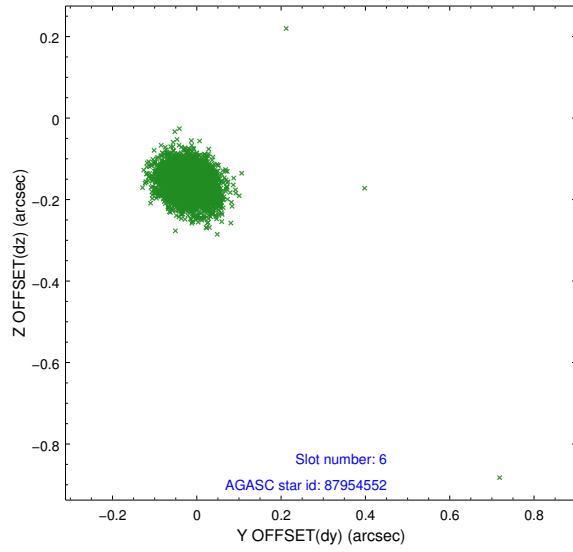
2.4.2 Slot 4



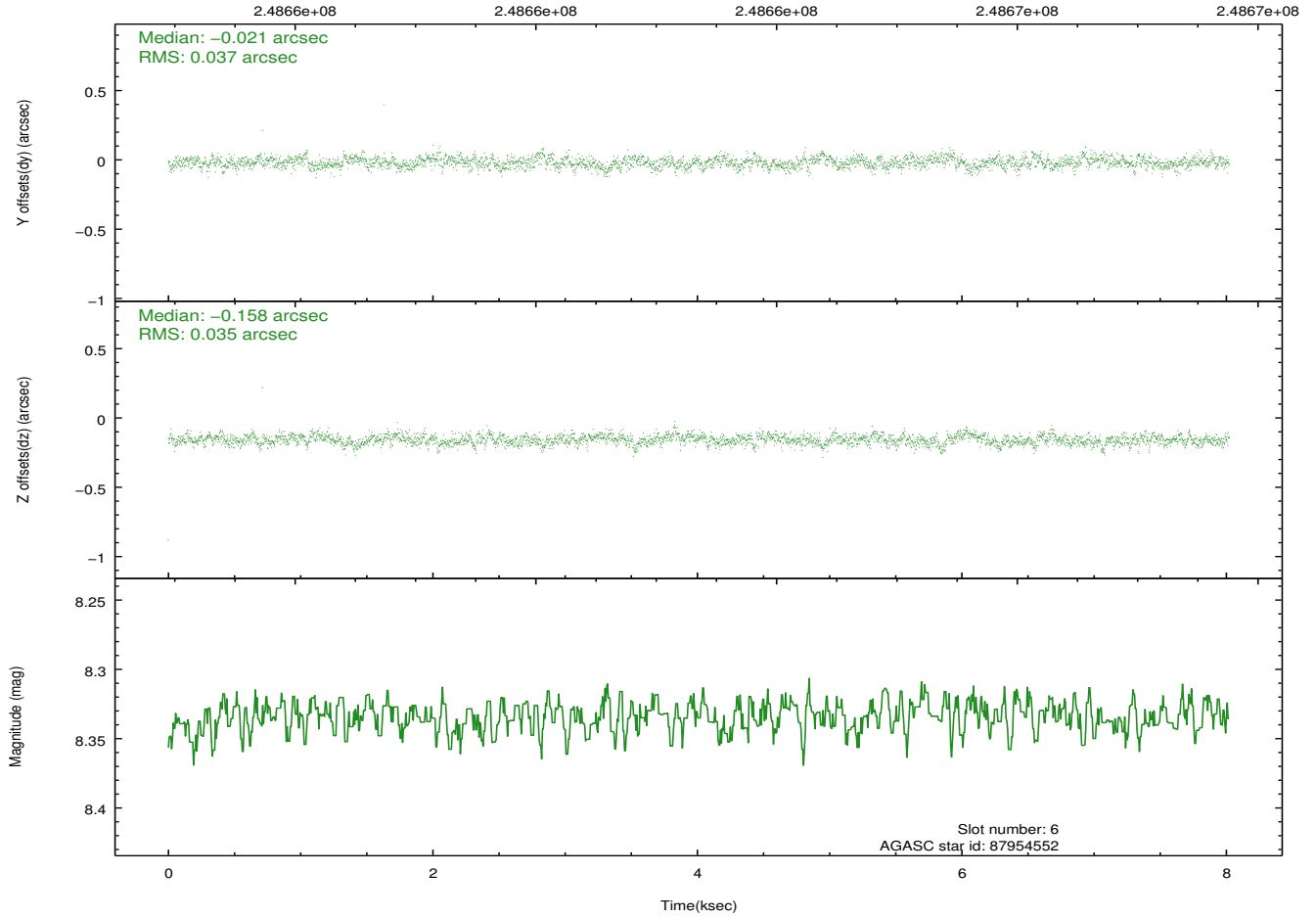
2.4.3 Slot 5



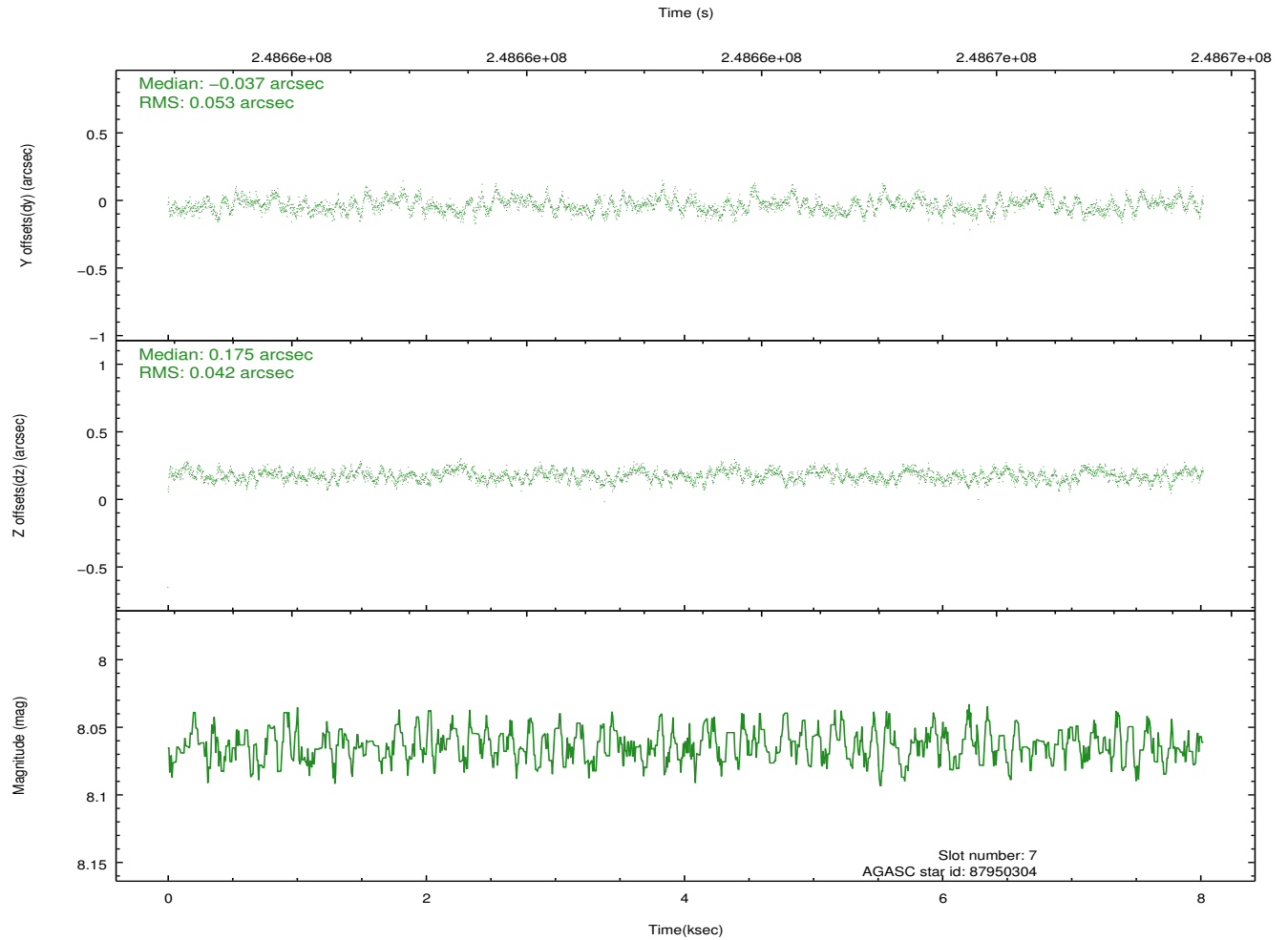
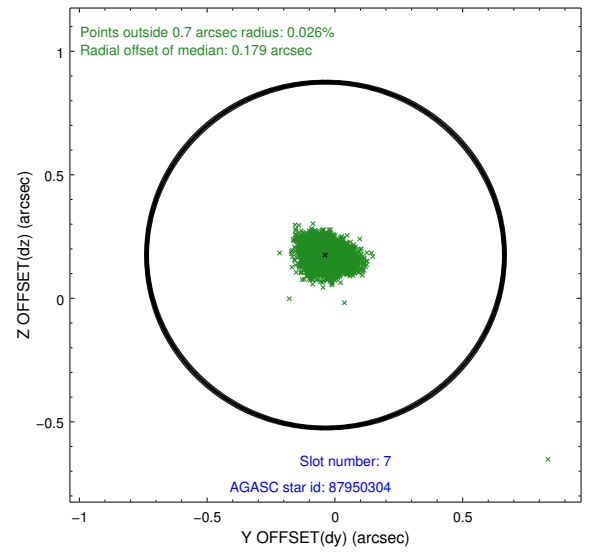
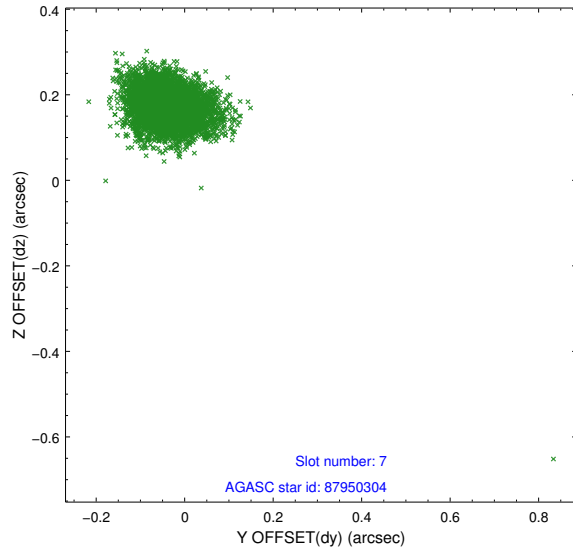
2.4.4 Slot 6



Time (s)

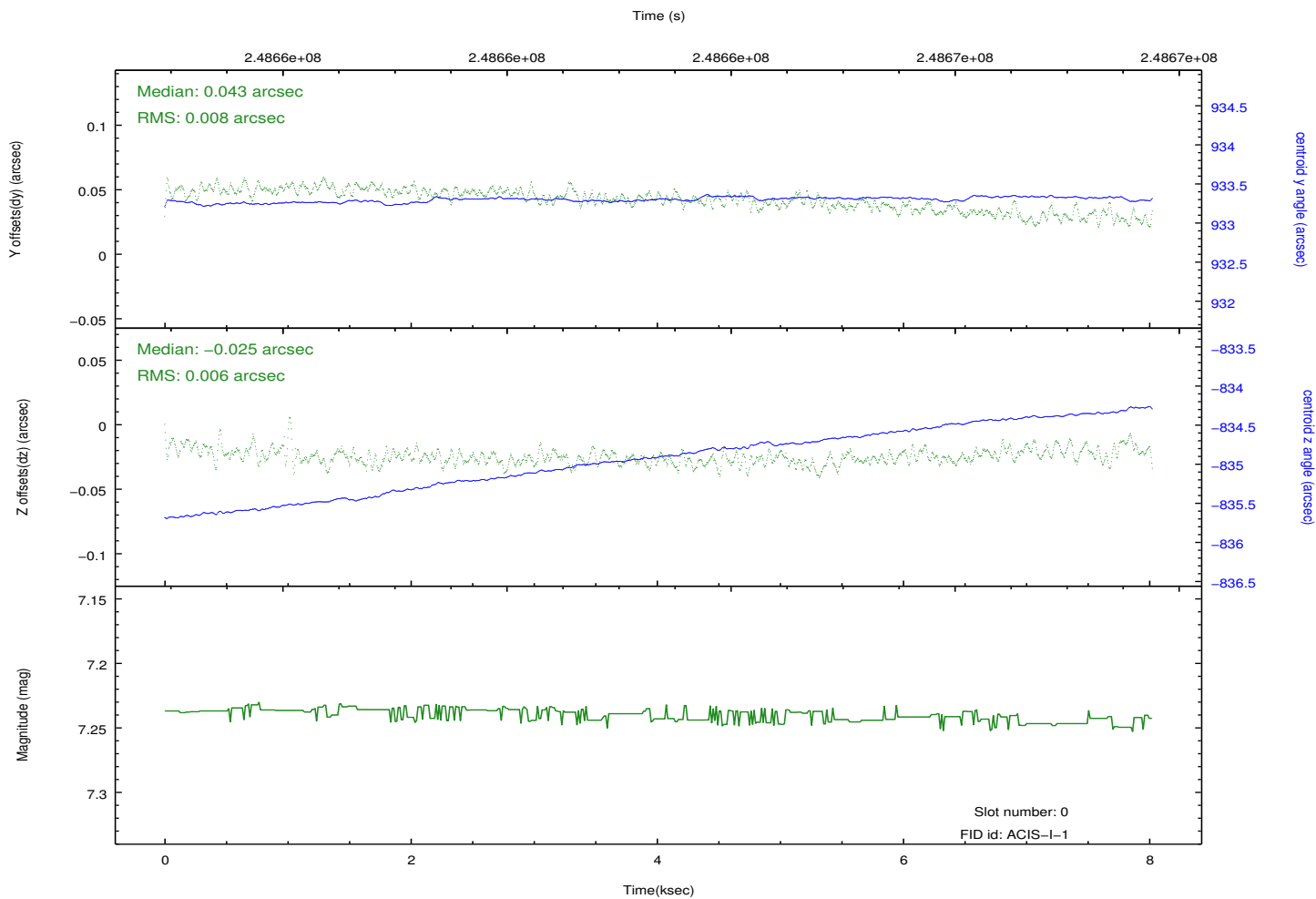
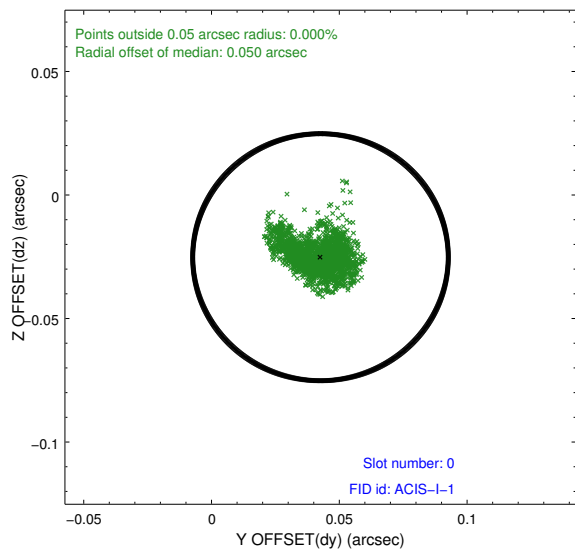
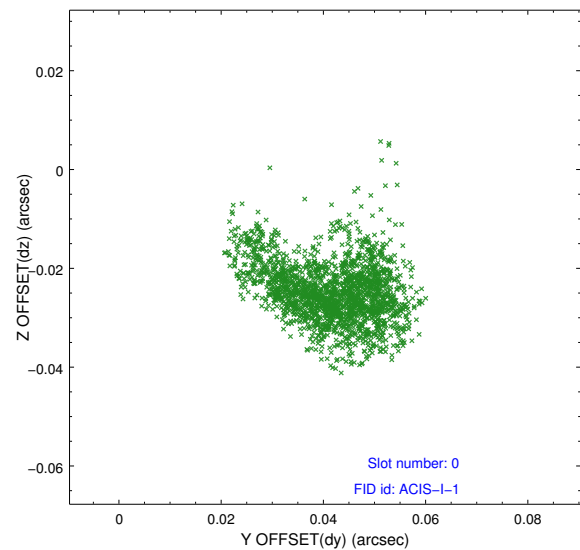


2.4.5 Slot 7

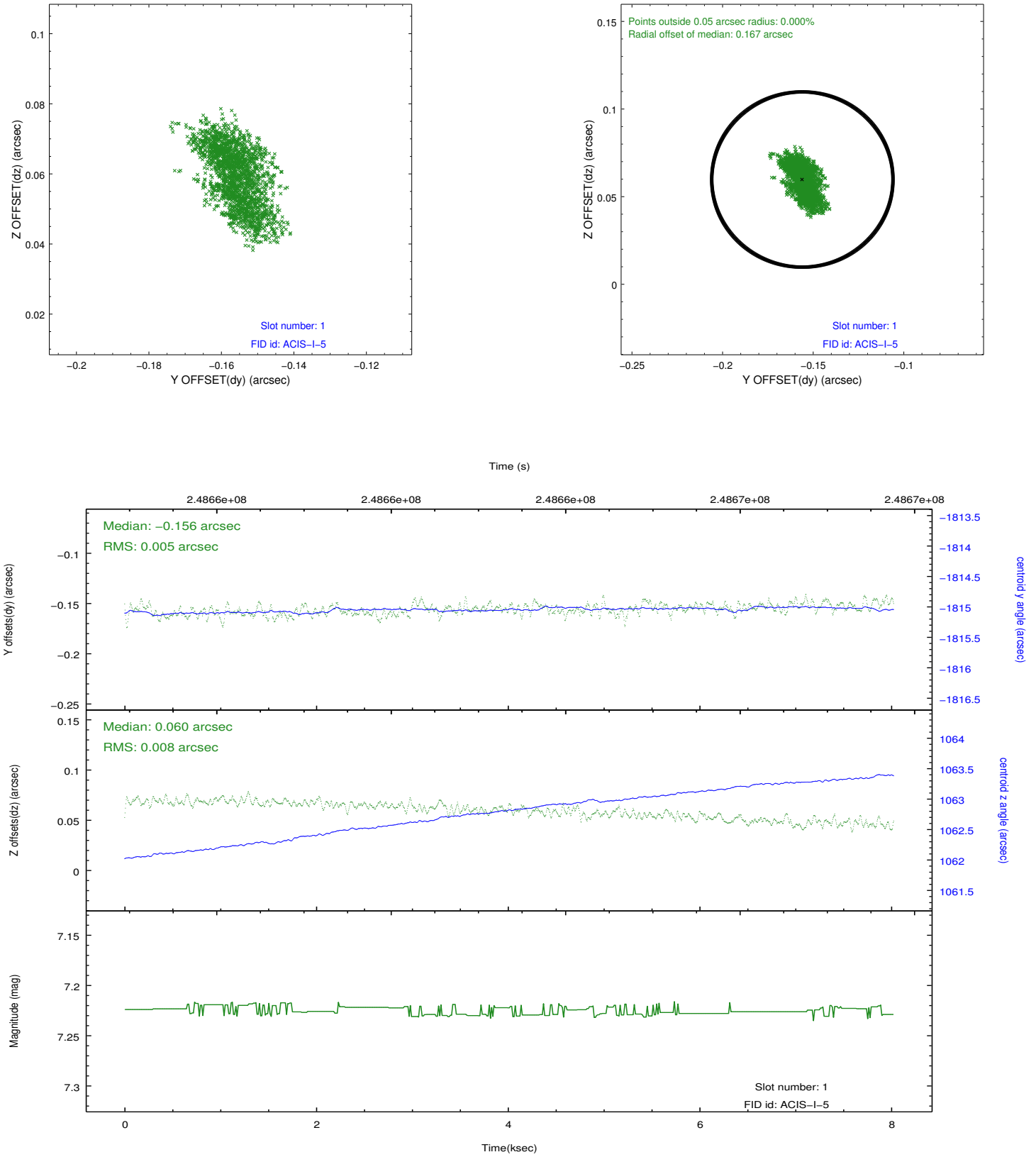


2.5 FID Slots

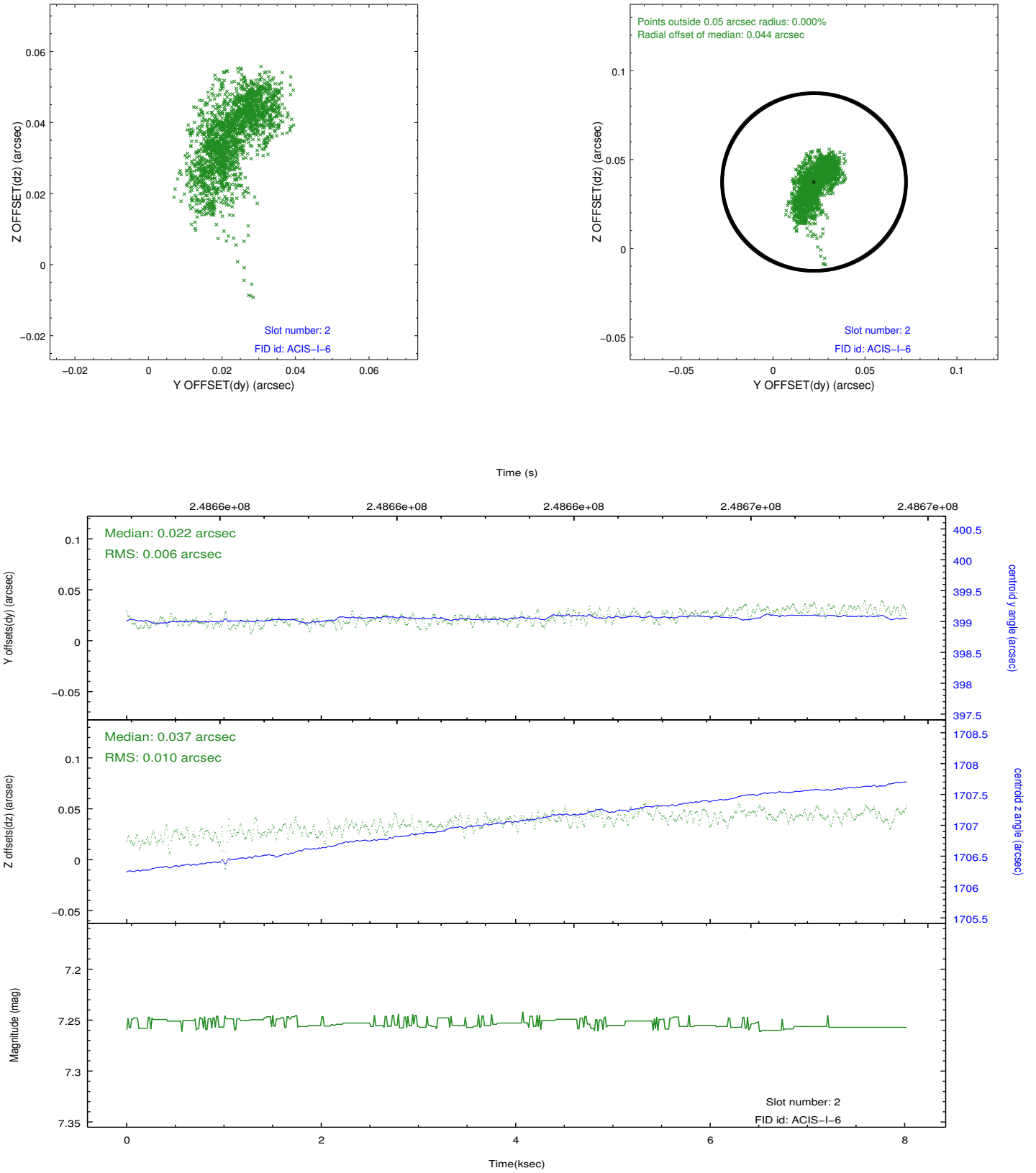
2.5.1 Slot 0



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)	2012.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.016599

A.2 Comments