

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5374 - L2 Version 3
Chandra X-Ray Center

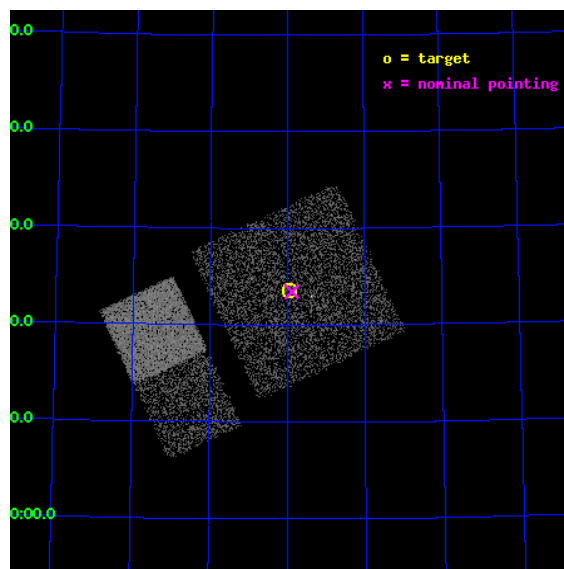
L2 Processing Date : Dec 16 2012

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1 Front

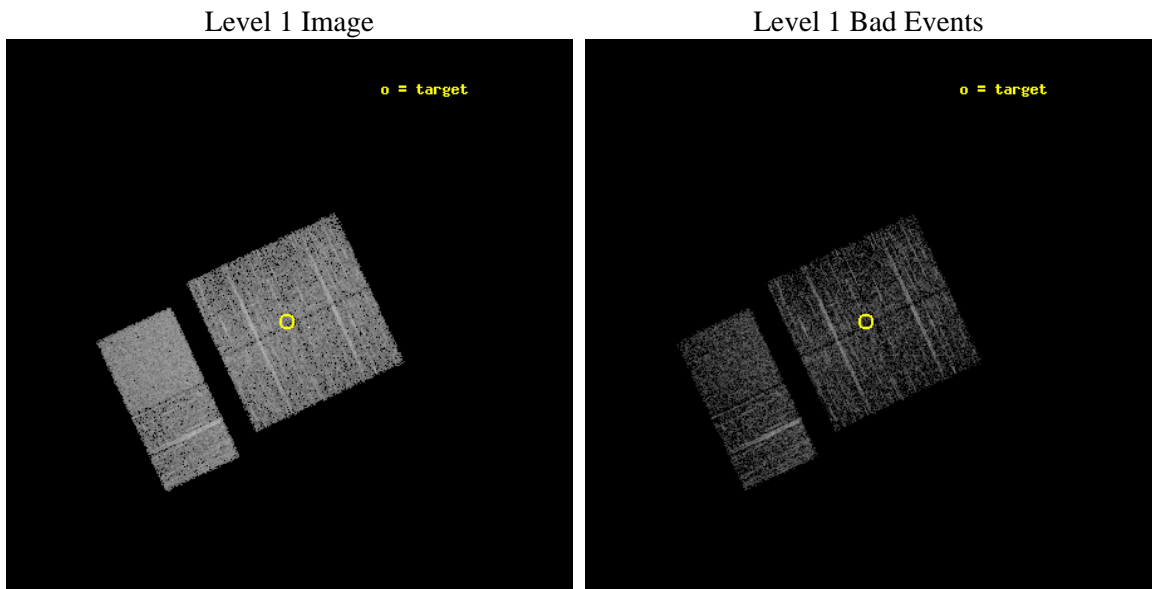
seq_num	200309	Sequence number
obs_id	5374	Observation id
title	Search for beta Pic analogs	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HR 932	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.984167	Observer's specified target RA [deg]
dec_targ	74.393889	Observer's specified target Dec [deg]
ra_nom	47.971650335998	Nominal RA [deg]
dec_nom	74.390754090161	Nominal Dec [deg]
roll_nom	244.87623285679	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2962.126886934	Sum of GTIs [s]
livetime	2924.618652713	Livetime [s]
ontime0	2962.0037669539	Sum of GTIs [s]
ontime1	2962.0448069274	Sum of GTIs [s]
ontime2	2962.0858469307	Sum of GTIs [s]
ontime3	2962.126886934	Sum of GTIs [s]
ontime6	2962.2089669406	Sum of GTIs [s]
ontime7	2962.1679269373	Sum of GTIs [s]
l2events	22049	Number of level 2 events



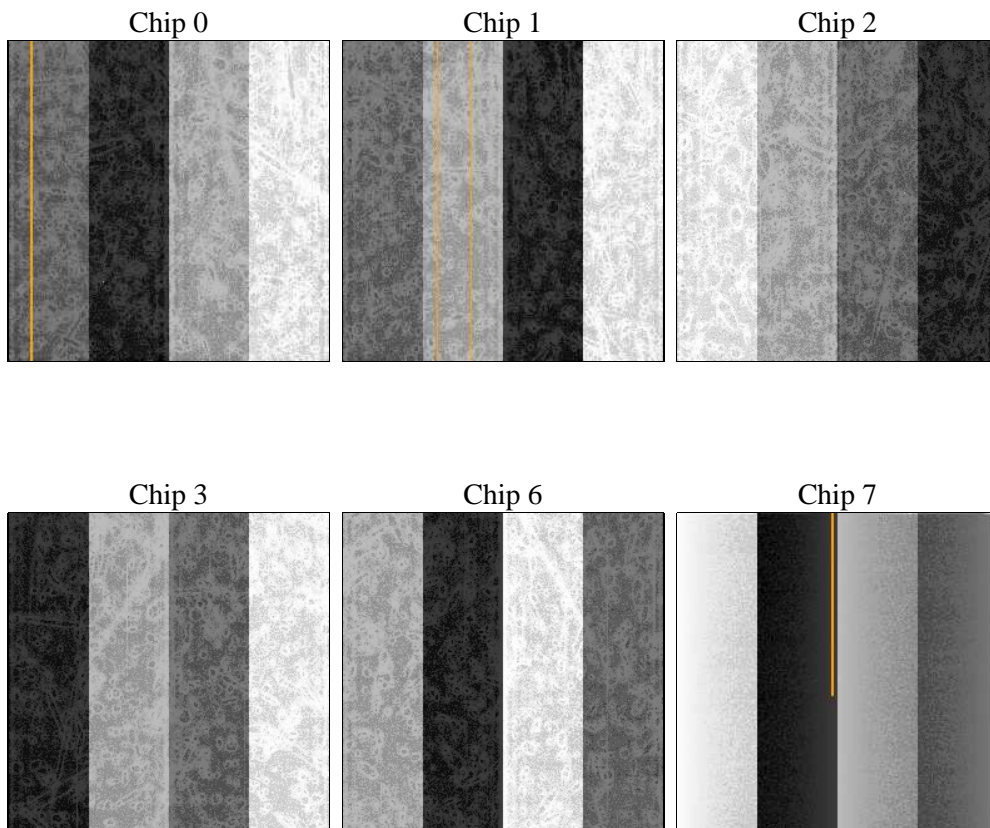
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2962.126886934	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	2962.0037669539	Sum of GTIs [s]
date	2012-12-15T20:47:49	Date and time of file creation	ontime1	2962.0448069274	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2962.0858469307	Sum of GTIs [s]
			ontime3	2962.126886934	Sum of GTIs [s]
			ontime6	2962.2089669406	Sum of GTIs [s]
			ontime7	2962.1679269373	Sum of GTIs [s]
			l1events	126102	Number of level 1 events

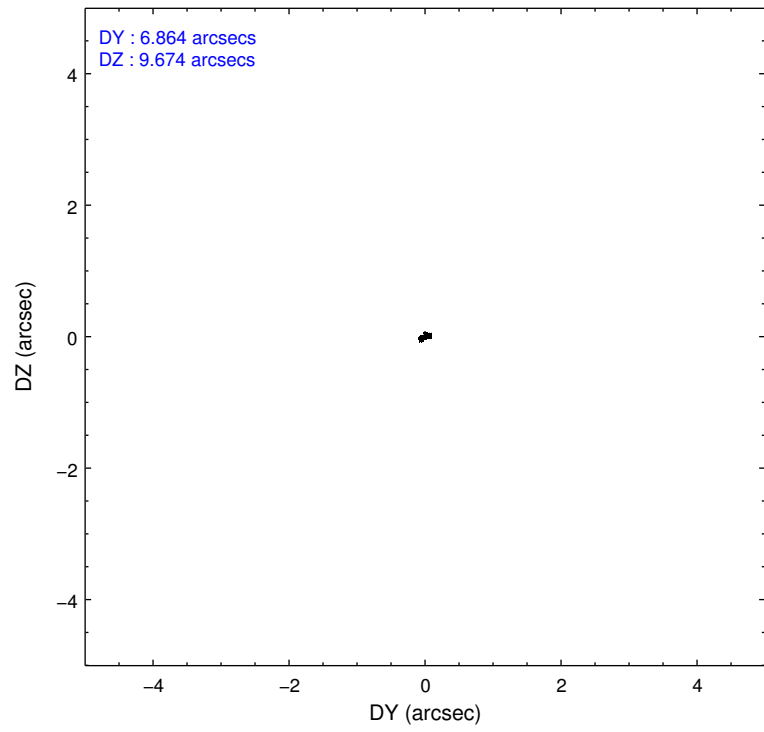
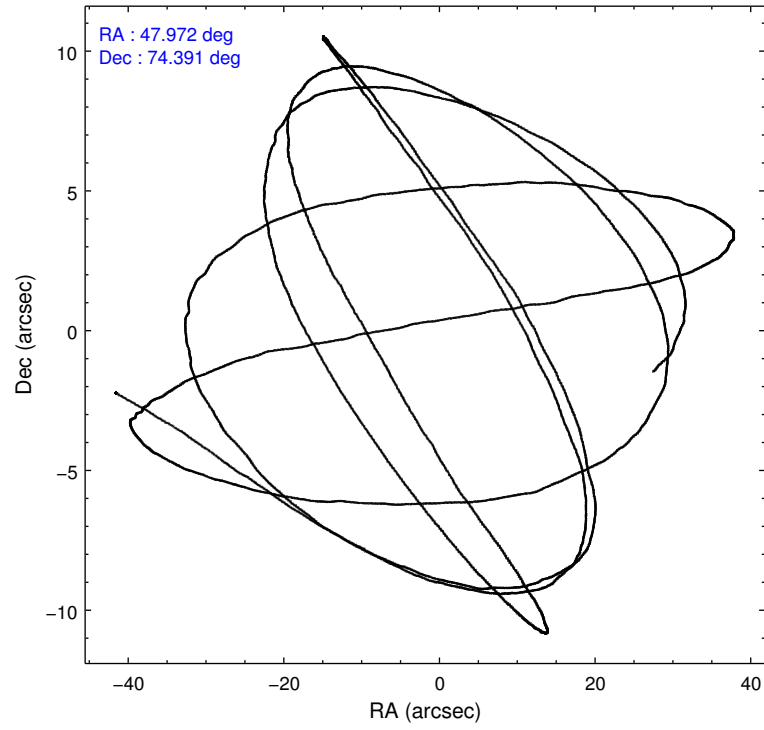
2.1.4 Events

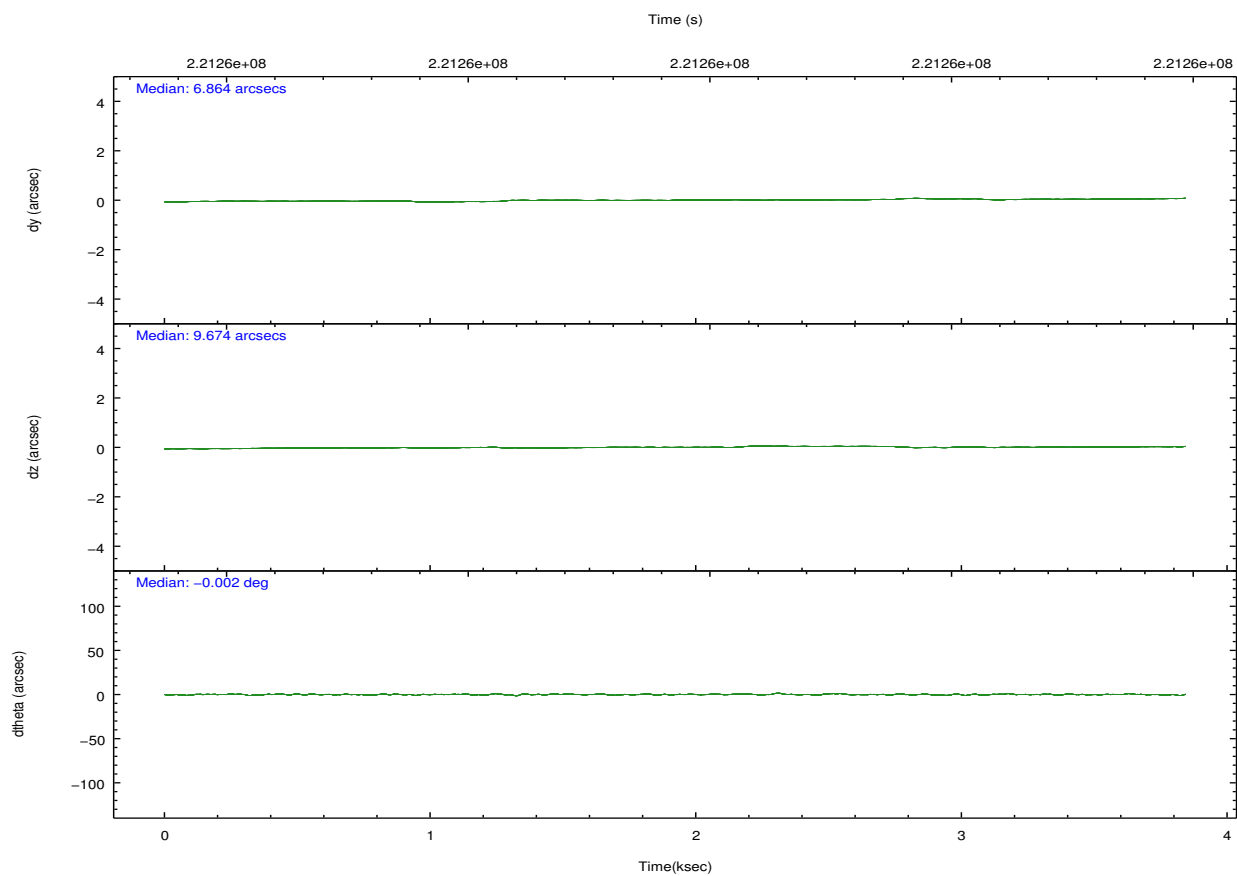
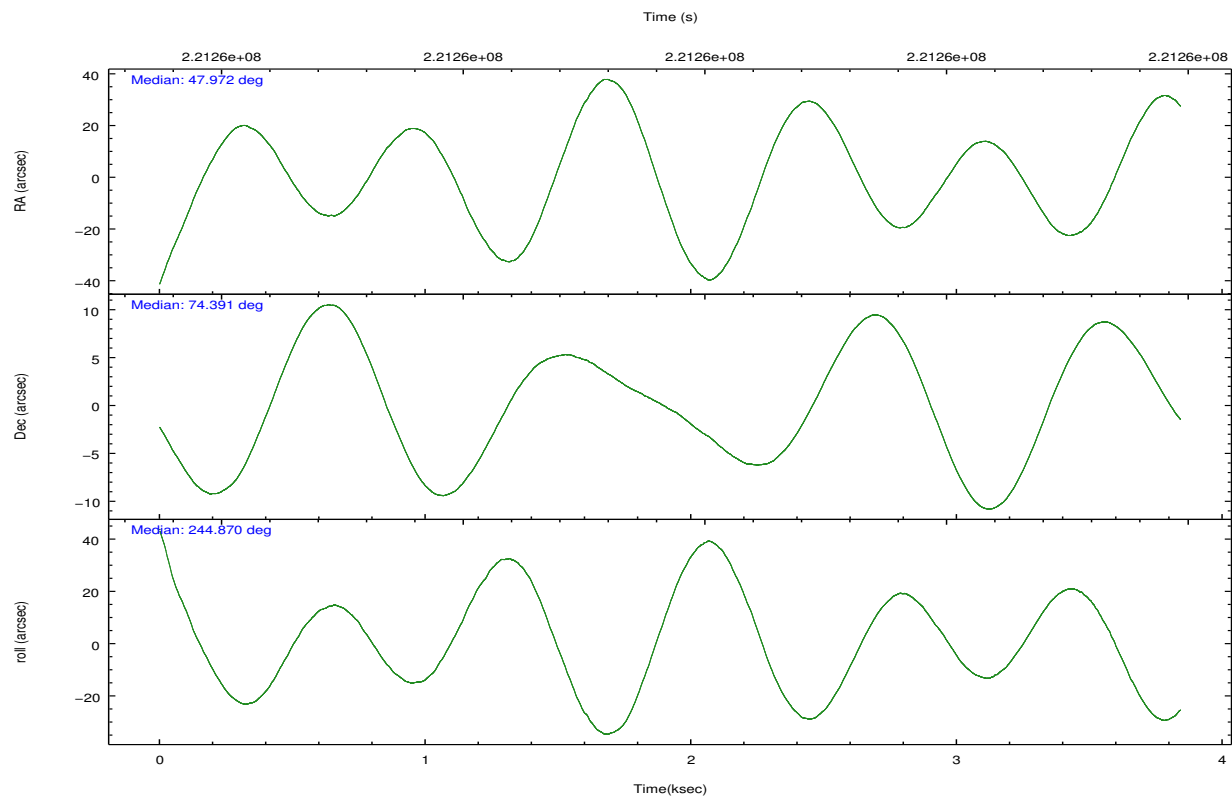
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	18742	19036	19908	19915	21208	27293	grade 0 events	1401	940	1075	1039	909	986
rejected events	15841	16563	17464	17532	18785	15958		7%	4%	5%	5%	4%	3%
rejected %	84%	87%	87%	88%	88%	58%	grade 1 events	19	4	23	5	9	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	601	592	517	472	501	2256
								3%	3%	2%	2%	2%	8%
							grade 3 events	275	229	248	208	268	1008
								1%	1%	1%	1%	1%	3%
							grade 4 events	196	273	210	249	246	1041
								1%	1%	1%	1%	1%	3%
							grade 5 events	868	837	765	882	947	2633
								4%	4%	3%	4%	4%	9%
							grade 6 events	429	447	399	415	500	6052
								2%	2%	2%	2%	2%	22%
							grade 7 events	14953	15714	16671	16645	17828	13286
								79%	82%	83%	83%	84%	48%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	47.962279	47.97165033599824	Subarray requested	NONE	NONE
[deg] Pointing Dec	74.418063	74.39075409016122	Alternating exposures requested	N	N
[deg] Pointing Roll	244.676567	244.8762328567948	[s] Primary exposure time	0.000000	3.2
[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)	221258780.184000	221257488.977			
Observation start date	2005-01-04T20:45:16	2005-01-04T20:24:48			
[s] Observation end time (MET)	221261780.184000	221262582.71473			
Observation end date	2005-01-04T21:35:16	2005-01-04T21:49:42			
Read mode	TIMED	TIMED			

2.3 Aspect



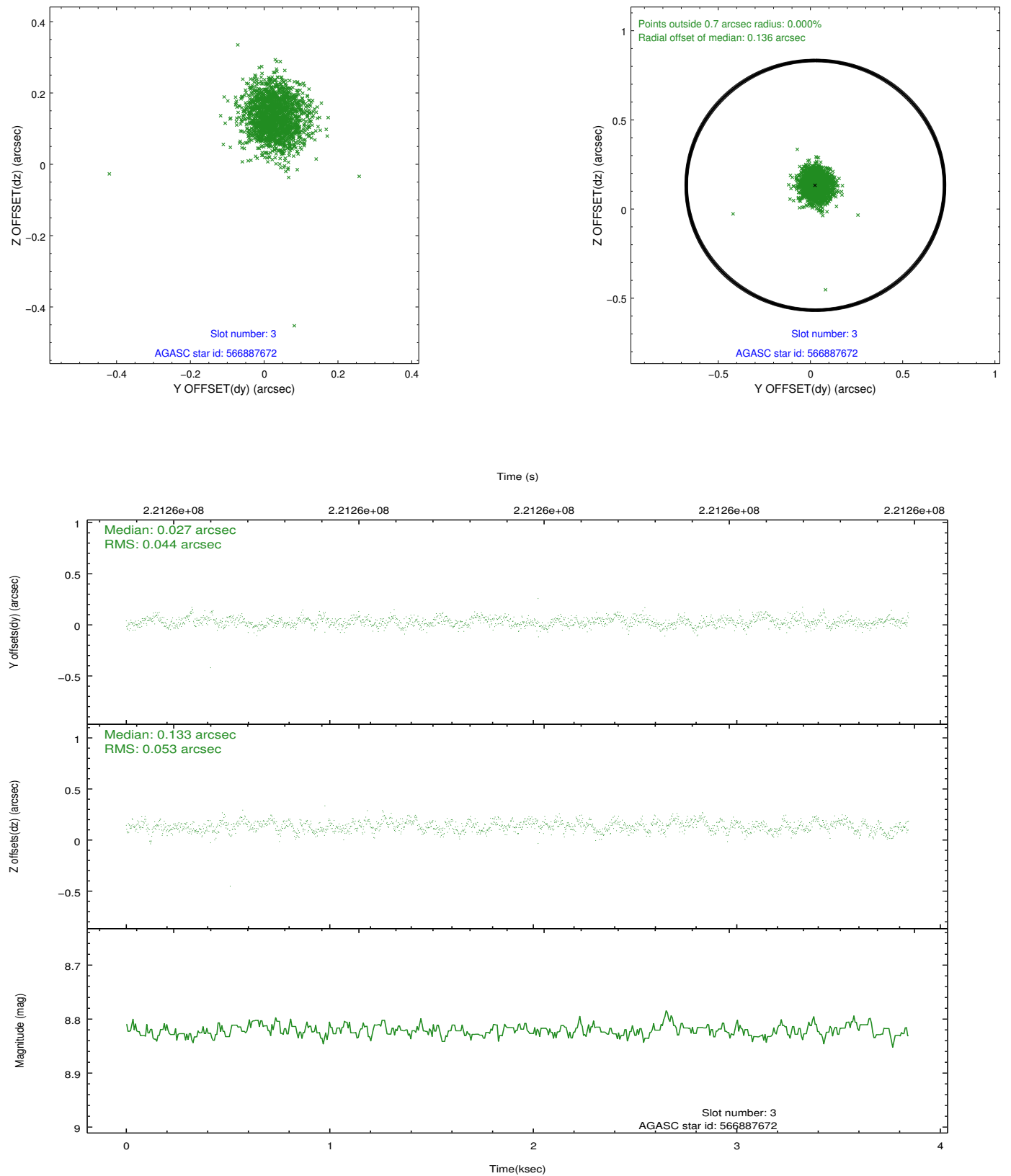


Slot Statistics

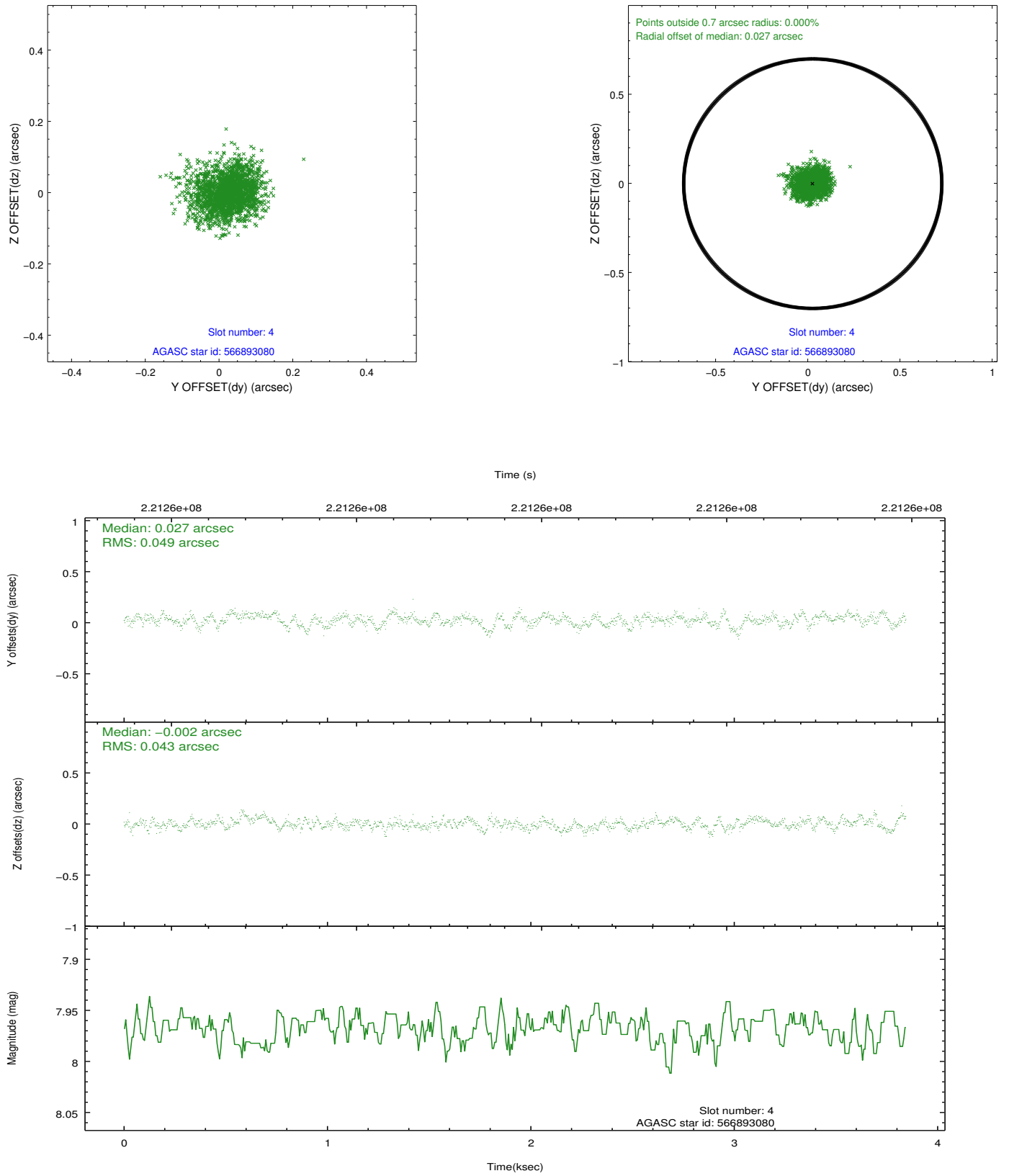
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	938	0.002	0.025	0.006	0.011	0.000000	0.000000	932.82	-833.11
1	FID	ACIS-I-5	7.23	938	-0.158	0.024	0.006	0.010	0.000000	0.000000	-1814.54	1063.56
2	FID	ACIS-I-6	7.25	938	0.065	0.021	0.006	0.011	0.000000	0.000000	396.66	1709.91
3	GUIDE	566887672	8.82	1876	0.027	0.133	0.070	0.113	47.990307	74.600872	-605.94	-257.48
4	GUIDE	566893080	7.97	1876	0.027	-0.002	0.070	0.114	46.345816	73.945134	2207.62	-735.86
5	GUIDE	568598336	8.05	1876	0.080	-0.102	0.056	0.091	48.171071	74.197028	632.93	524.77
6	GUIDE	568599608	8.31	1874	-0.064	0.062	0.062	0.098	49.059683	74.037754	764.42	1563.50
7	GUIDE	568603728	7.44	1875	-0.070	-0.097	0.053	0.089	48.364597	74.296345	227.90	541.80

2.4 Star Slots

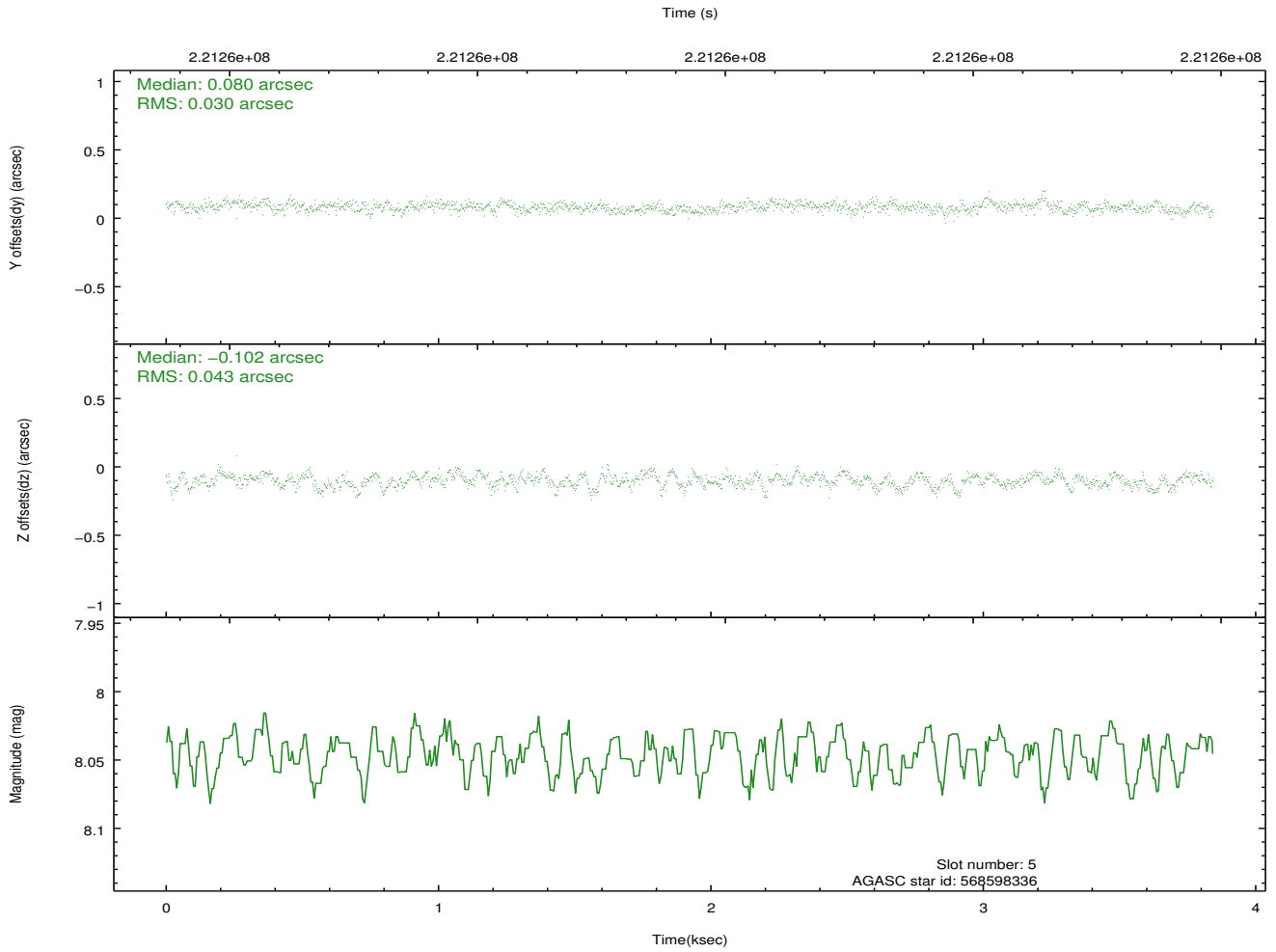
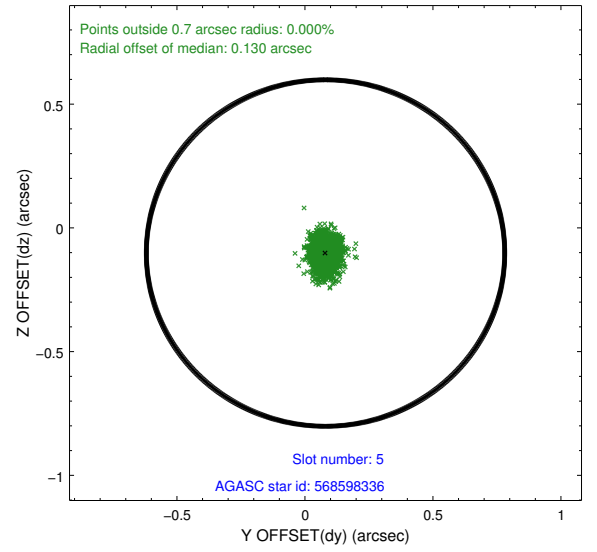
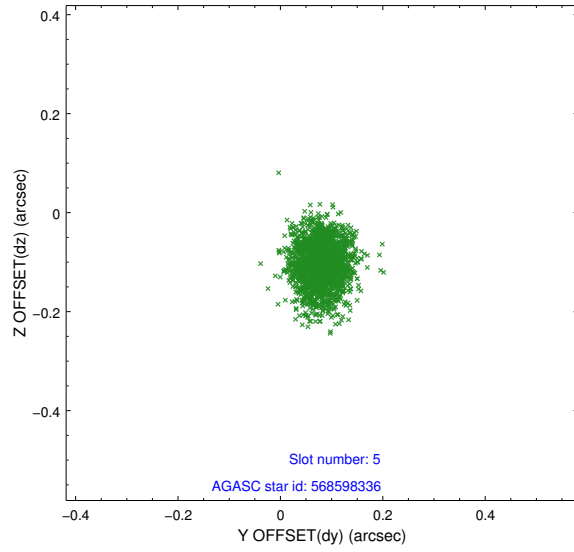
2.4.1 Slot 3



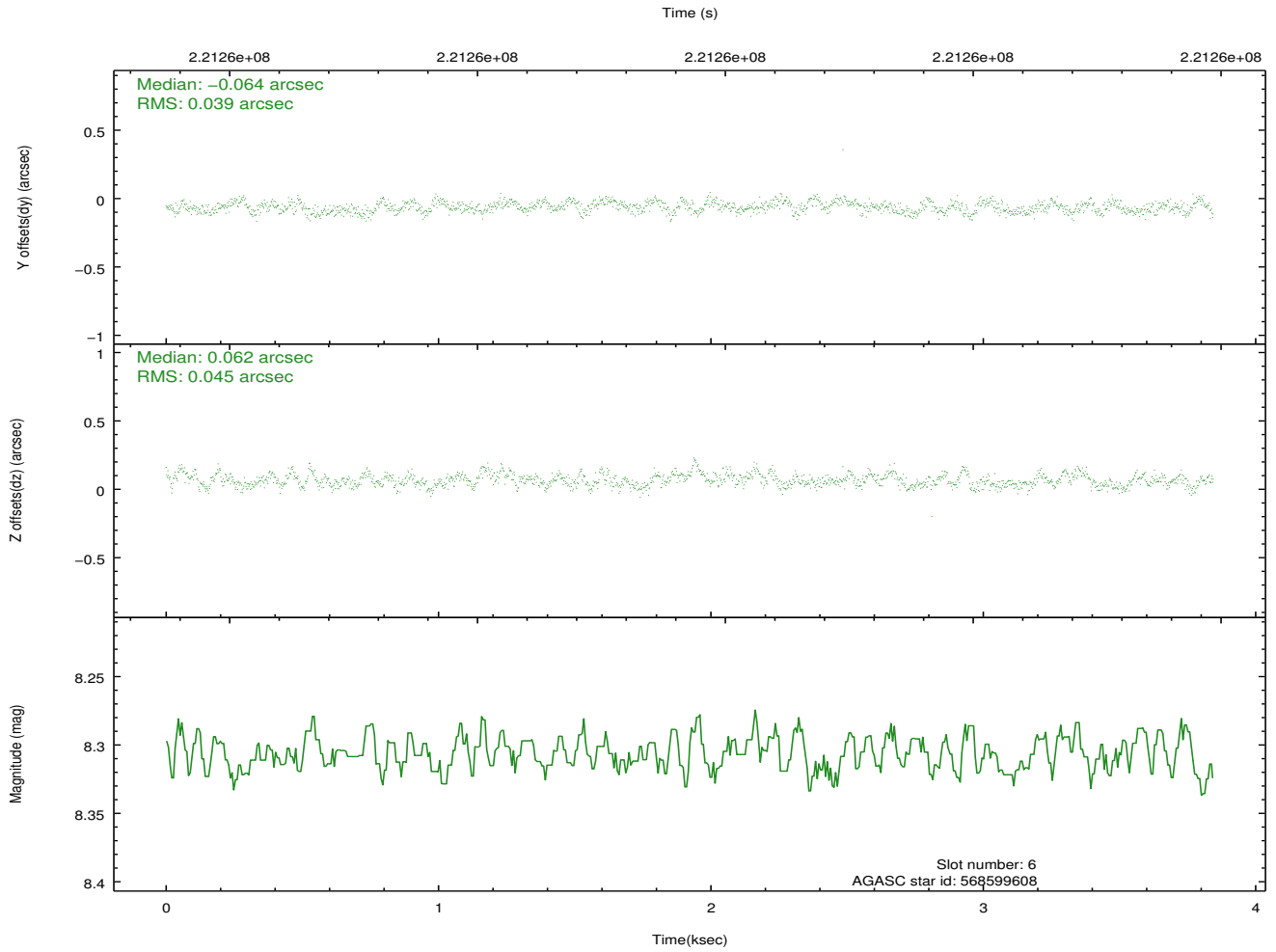
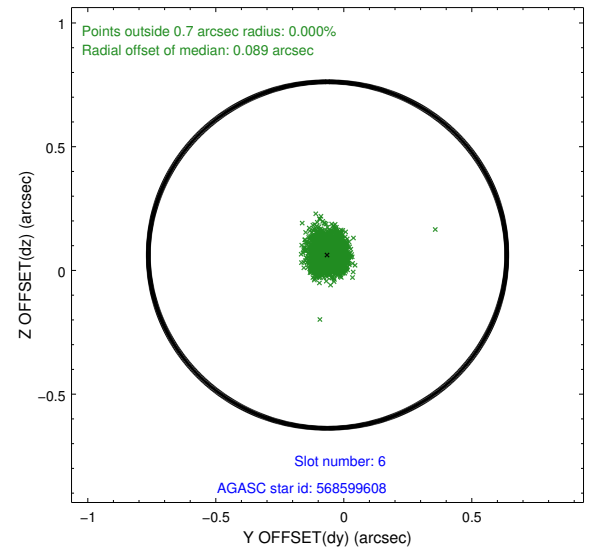
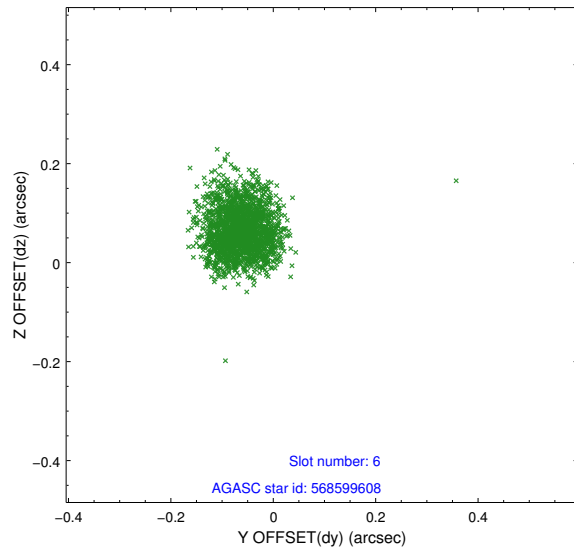
2.4.2 Slot 4



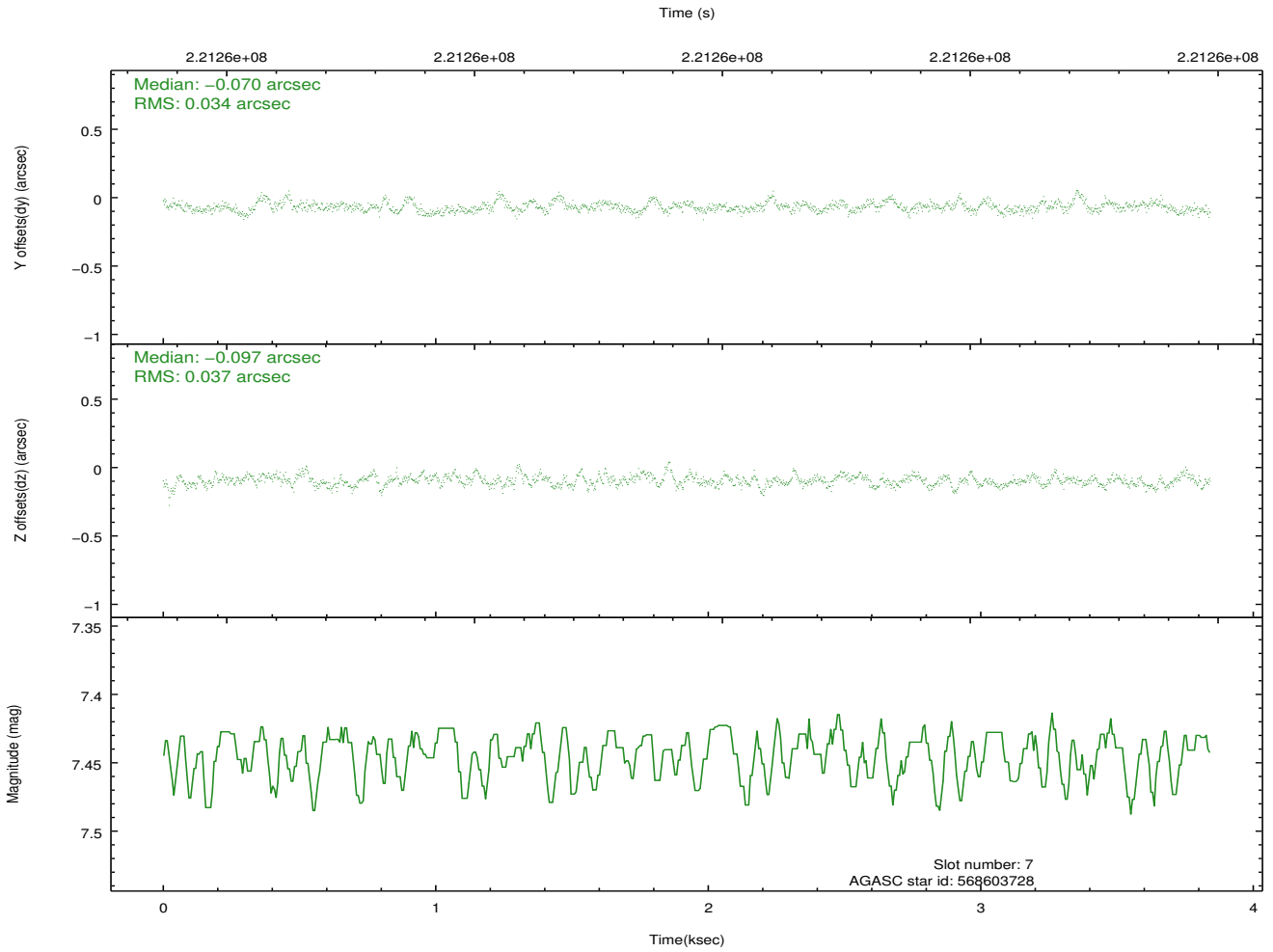
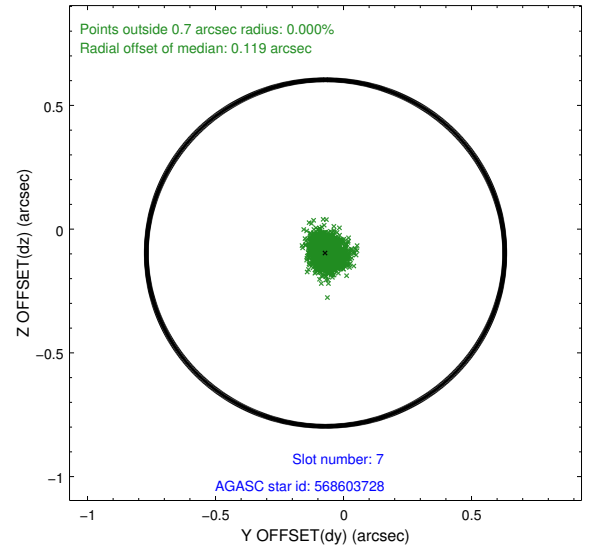
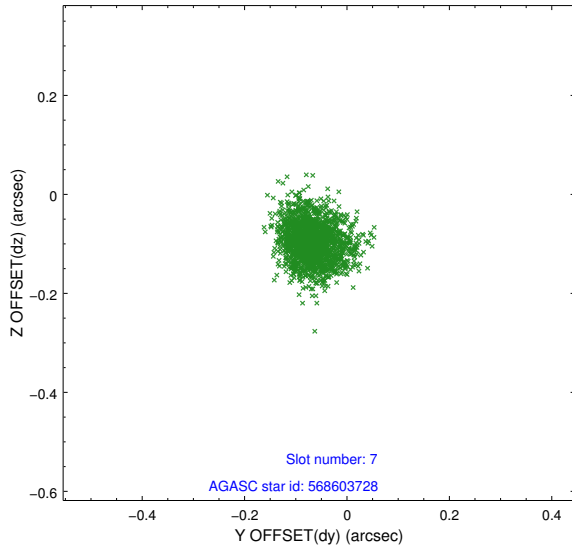
2.4.3 Slot 5



2.4.4 Slot 6

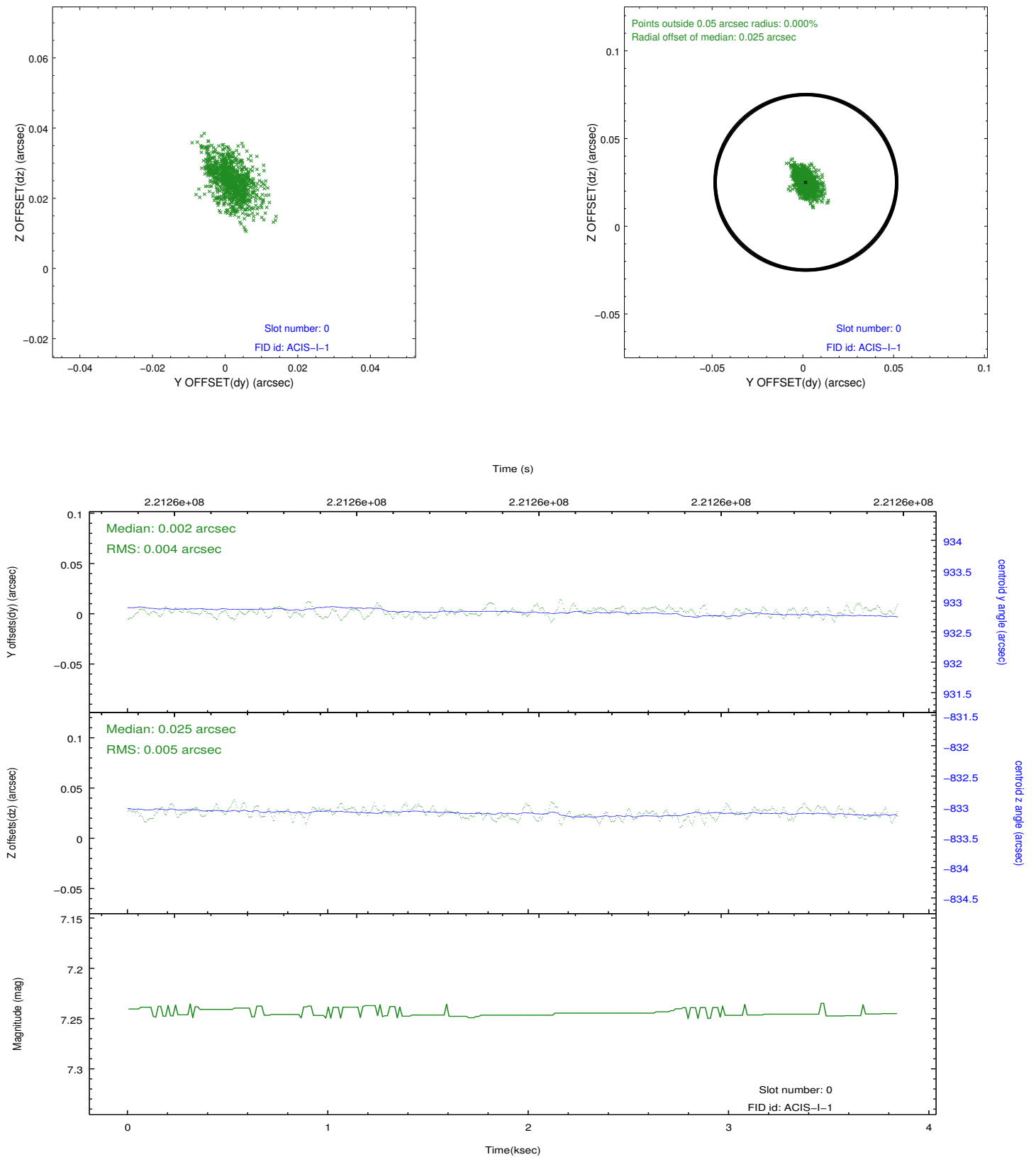


2.4.5 Slot 7

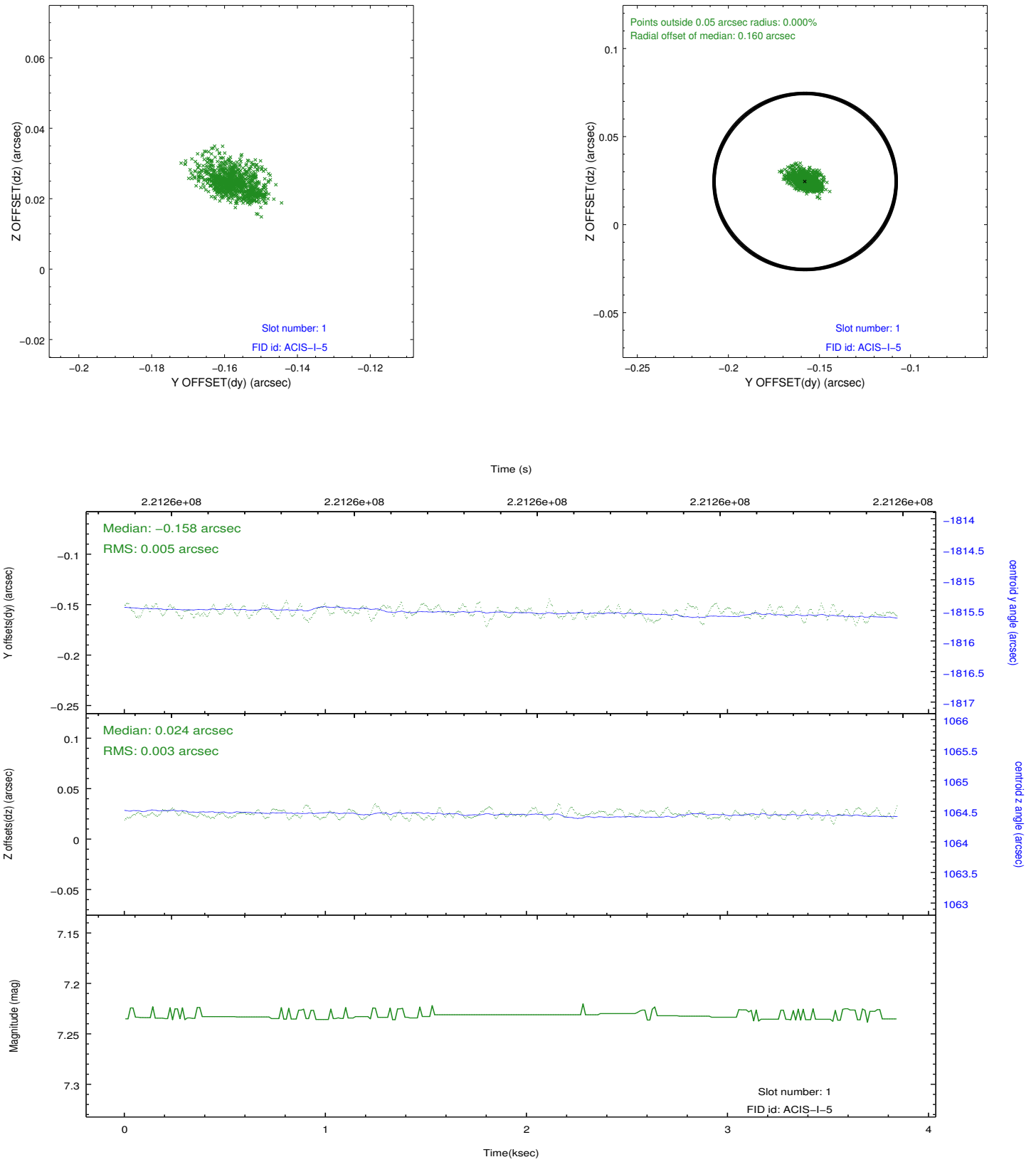


2.5 FID Slots

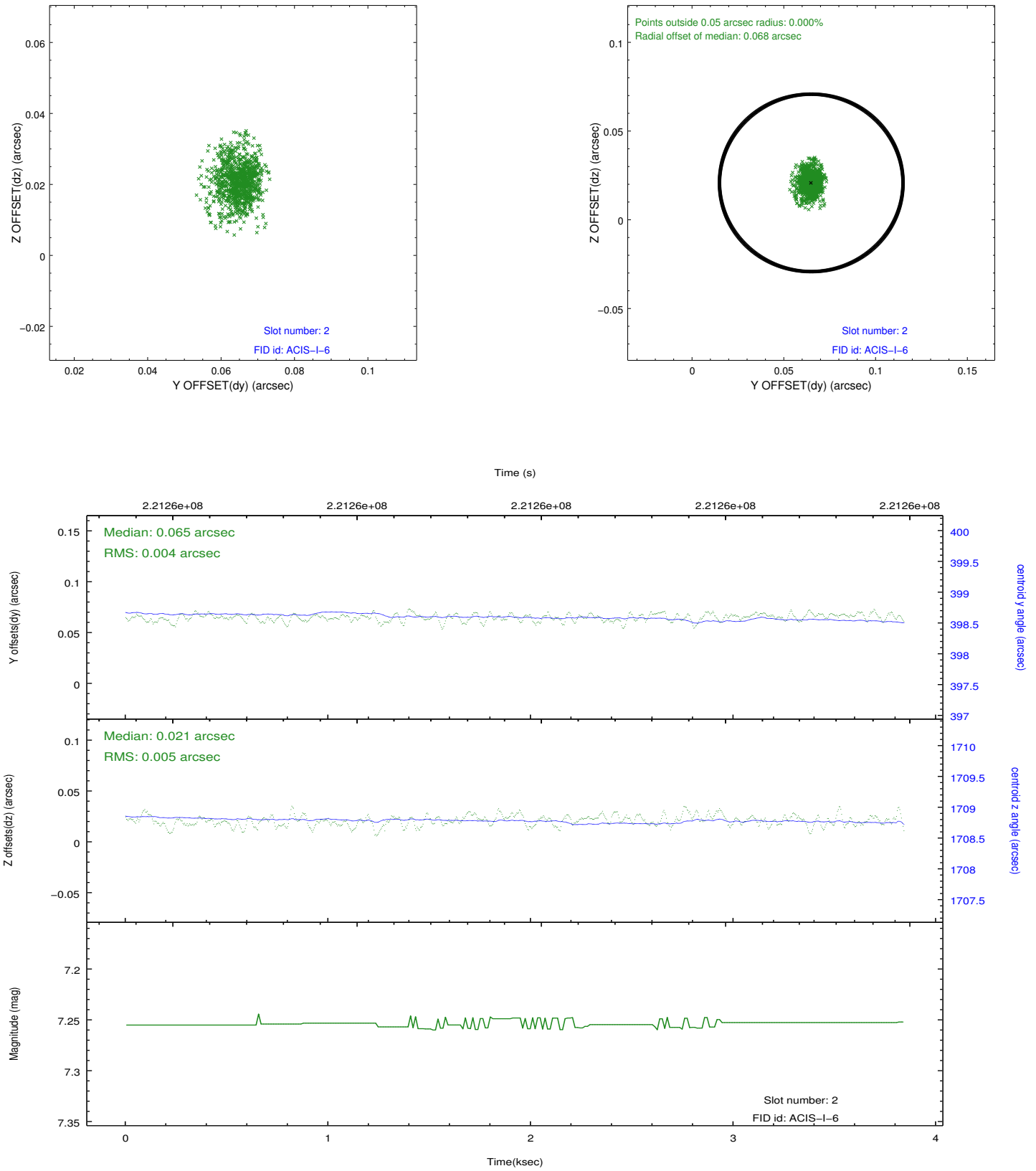
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.963199

A.2 Comments