

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6639 - L2 Version 2
Chandra X-Ray Center

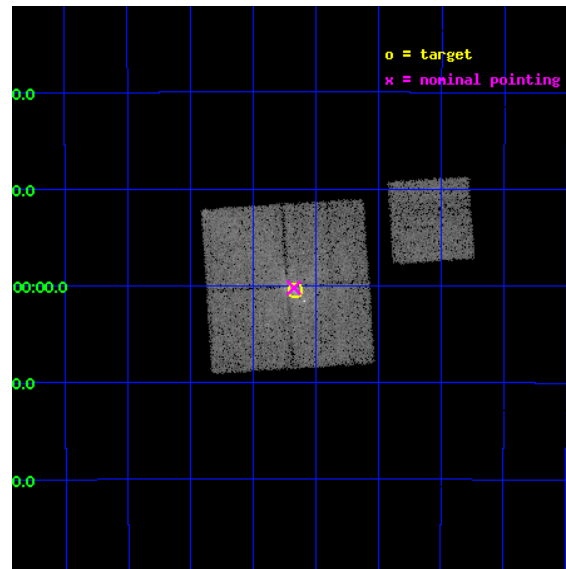
L2 Processing Date : Mar 30 2012

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1 Front

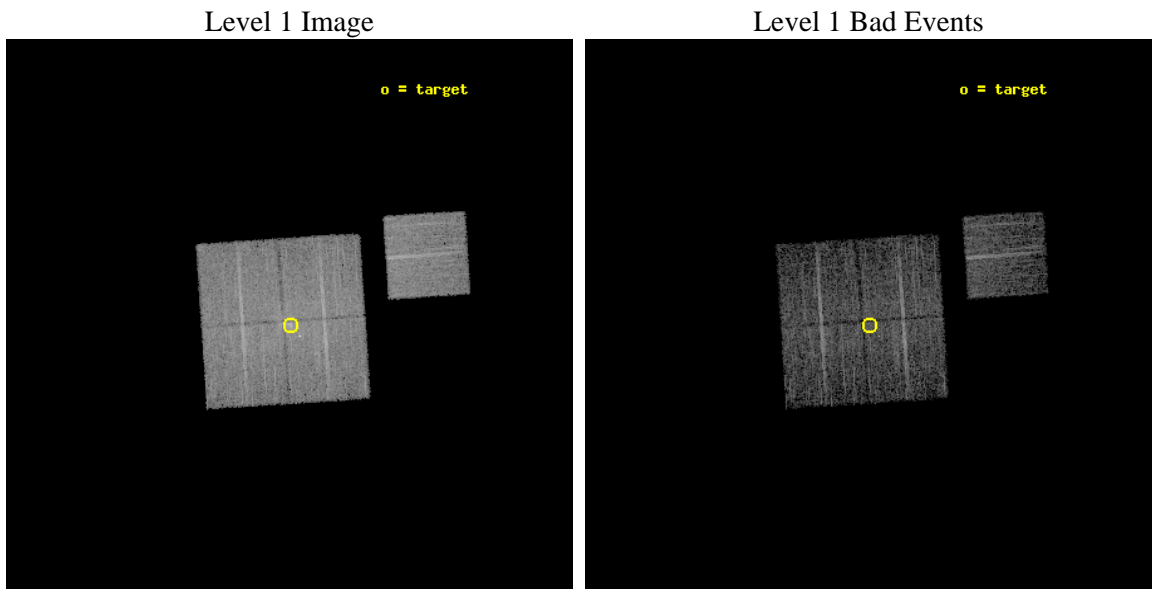
seq_num	400544	Sequence number
obs_id	6639	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41890506833	Nominal RA [deg]
dec_nom	-29.003657918336	Nominal Dec [deg]
roll_nom	86.225180055319	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4549.7965279818	Sum of GTIs [s]
livetime	4490.3500868322	Livetime [s]
ontime0	4549.6734079719	Sum of GTIs [s]
ontime1	4549.7144479752	Sum of GTIs [s]
ontime2	4549.7554879785	Sum of GTIs [s]
ontime3	4549.7965279818	Sum of GTIs [s]
ontime6	4549.6323679686	Sum of GTIs [s]
l2events	71294	Number of level 2 events



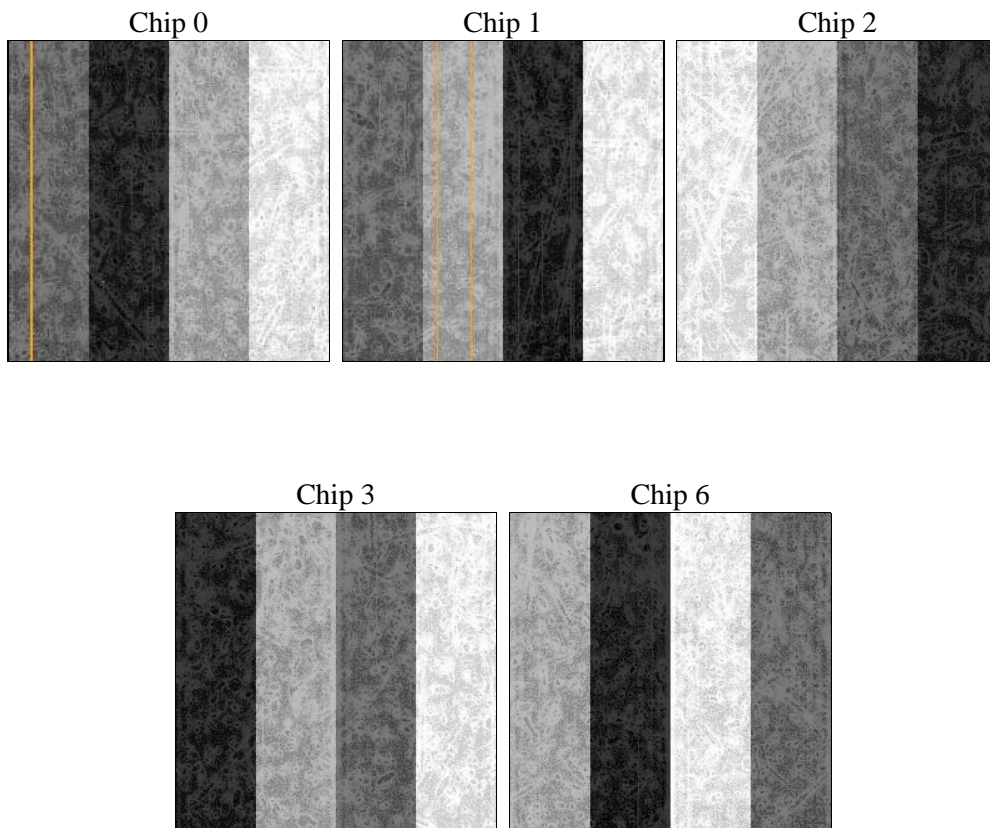
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4505.140000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4549.7965279818	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	4549.6734079719	Sum of GTIs [s]
date	2012-03-30T04:30:31	Date and time of file creation	ontime1	4549.7144479752	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4549.7554879785	Sum of GTIs [s]
			ontime3	4549.7965279818	Sum of GTIs [s]
			ontime6	4549.6323679686	Sum of GTIs [s]
			l1events	246532	Number of level 1 events

2.1.4 Events

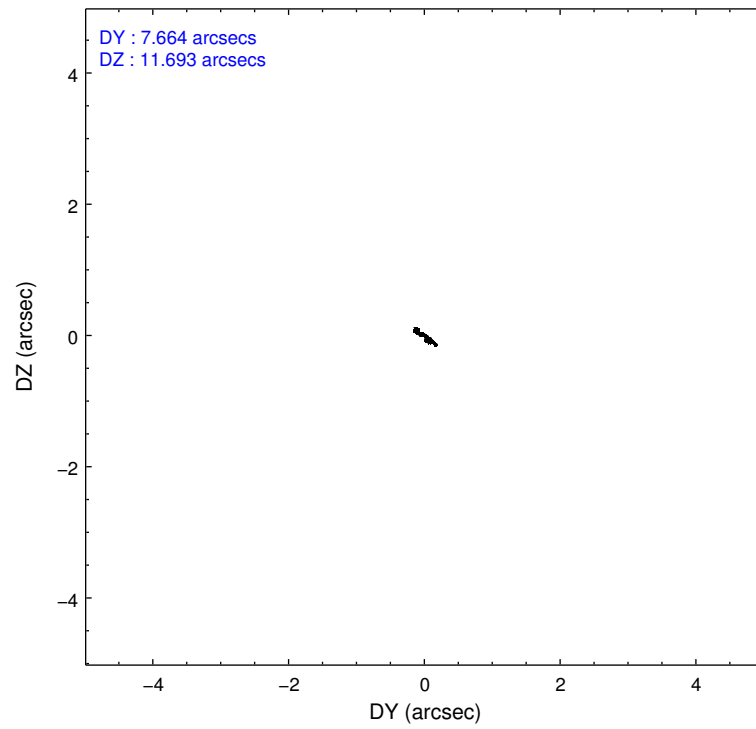
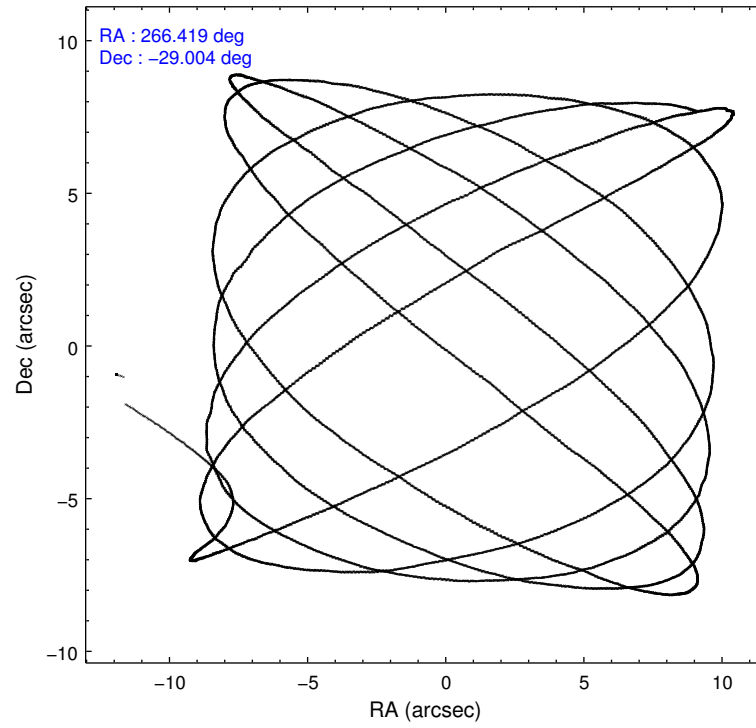
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	49208	49336	49934	51365	46689
rejected events	31286	33848	35084	34311	34635
rejected %	63%	68%	70%	66%	74%

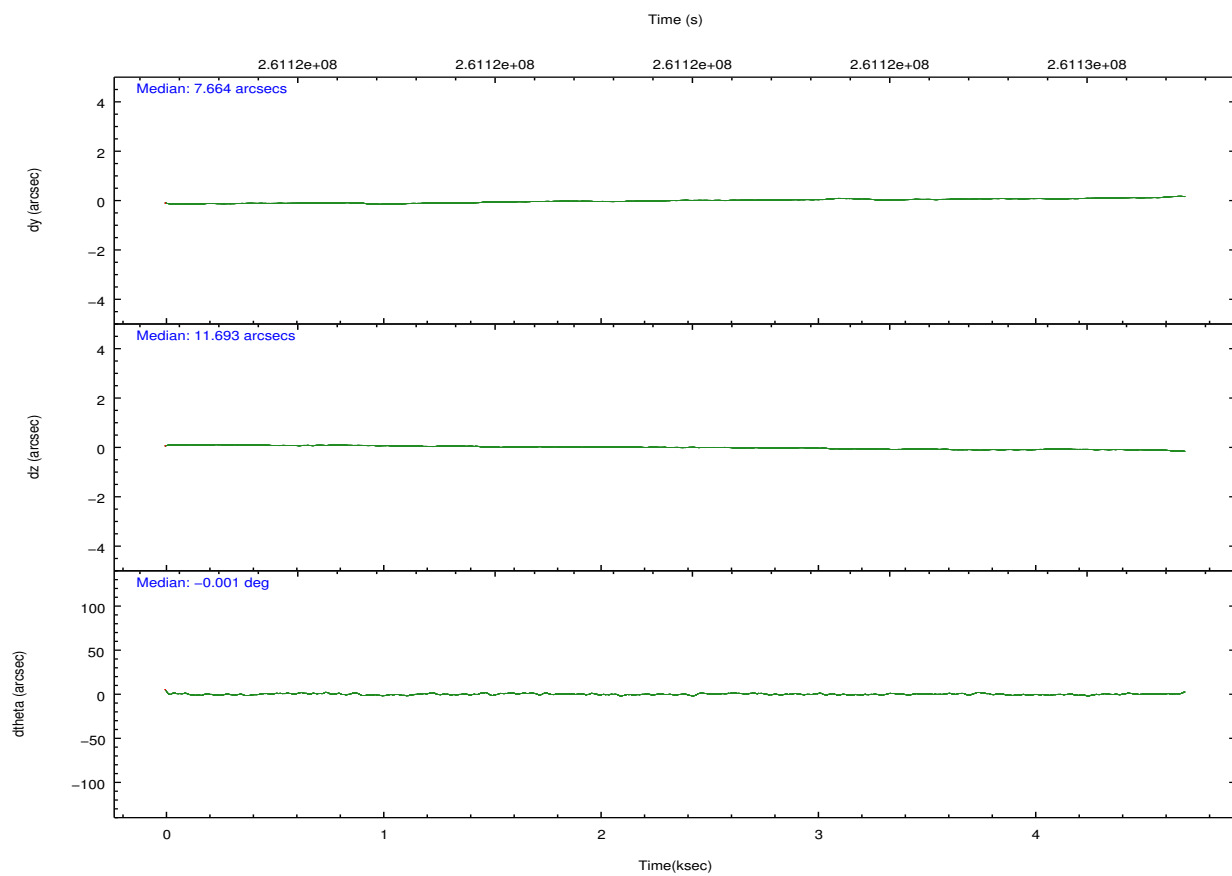
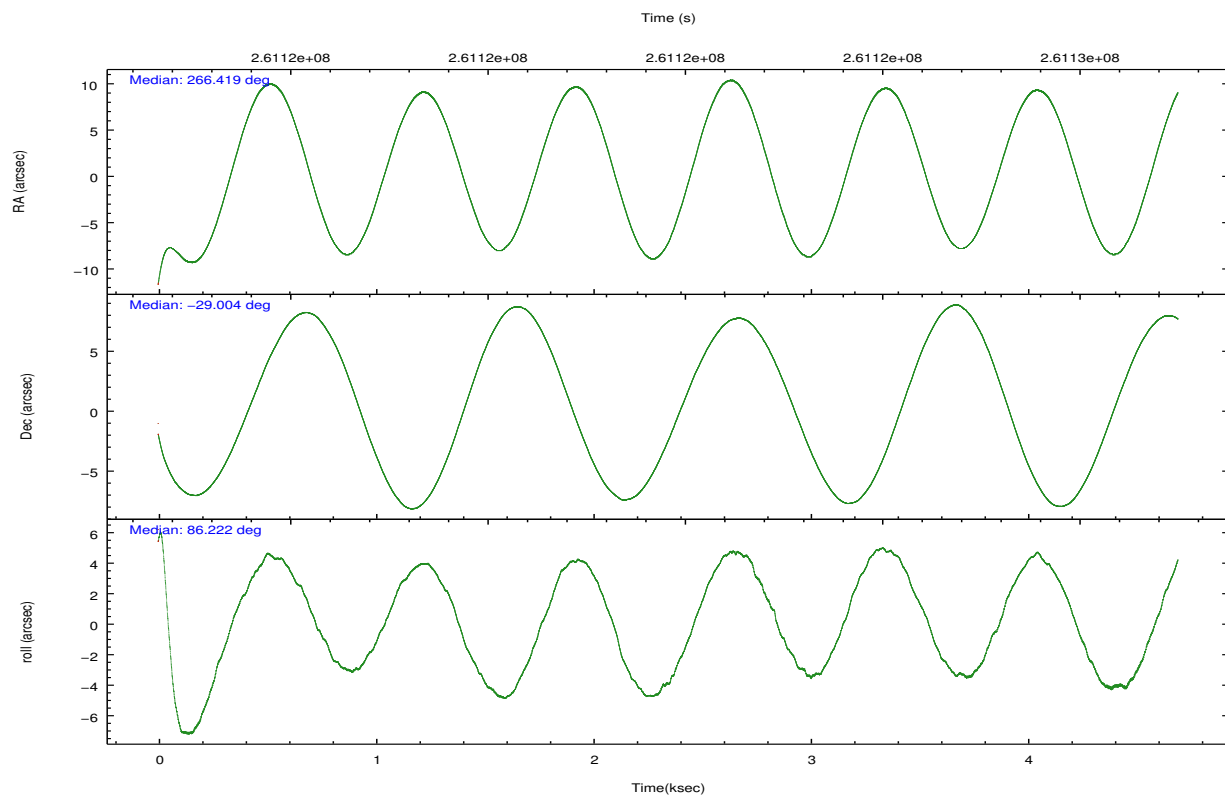
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11563	9367	9776	10782	7314
	23%	18%	19%	20%	15%
grade 1 events	64	49	59	113	44
	0%	0%	0%	0%	0%
grade 2 events	2700	2576	2051	2477	1889
	5%	5%	4%	4%	4%
grade 3 events	958	968	780	1000	670
	1%	1%	1%	1%	1%
grade 4 events	980	901	848	1043	685
	1%	1%	1%	2%	1%
grade 5 events	1642	1702	1561	1938	1831
	3%	3%	3%	3%	3%
grade 6 events	1750	1708	1402	1766	1521
	3%	3%	2%	3%	3%
grade 7 events	29551	32065	33457	32246	32735
	60%	64%	67%	62%	70%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.433007	266.4189050683278	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.028146	-29.00365791833592	Alternating exposures requested	N	N
[deg] Pointing Roll	86.023291	86.2251800553189	[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)	261121750.184000	261120800.65572			
Observation start date	2006-04-11T05:48:05	2006-04-11T05:33:20			
[s] Observation end time (MET)	261126255.184000	261126492.99348			
Observation end date	2006-04-11T07:03:10	2006-04-11T07:08:12			
Read mode	TIMED	TIMED			

2.3 Aspect



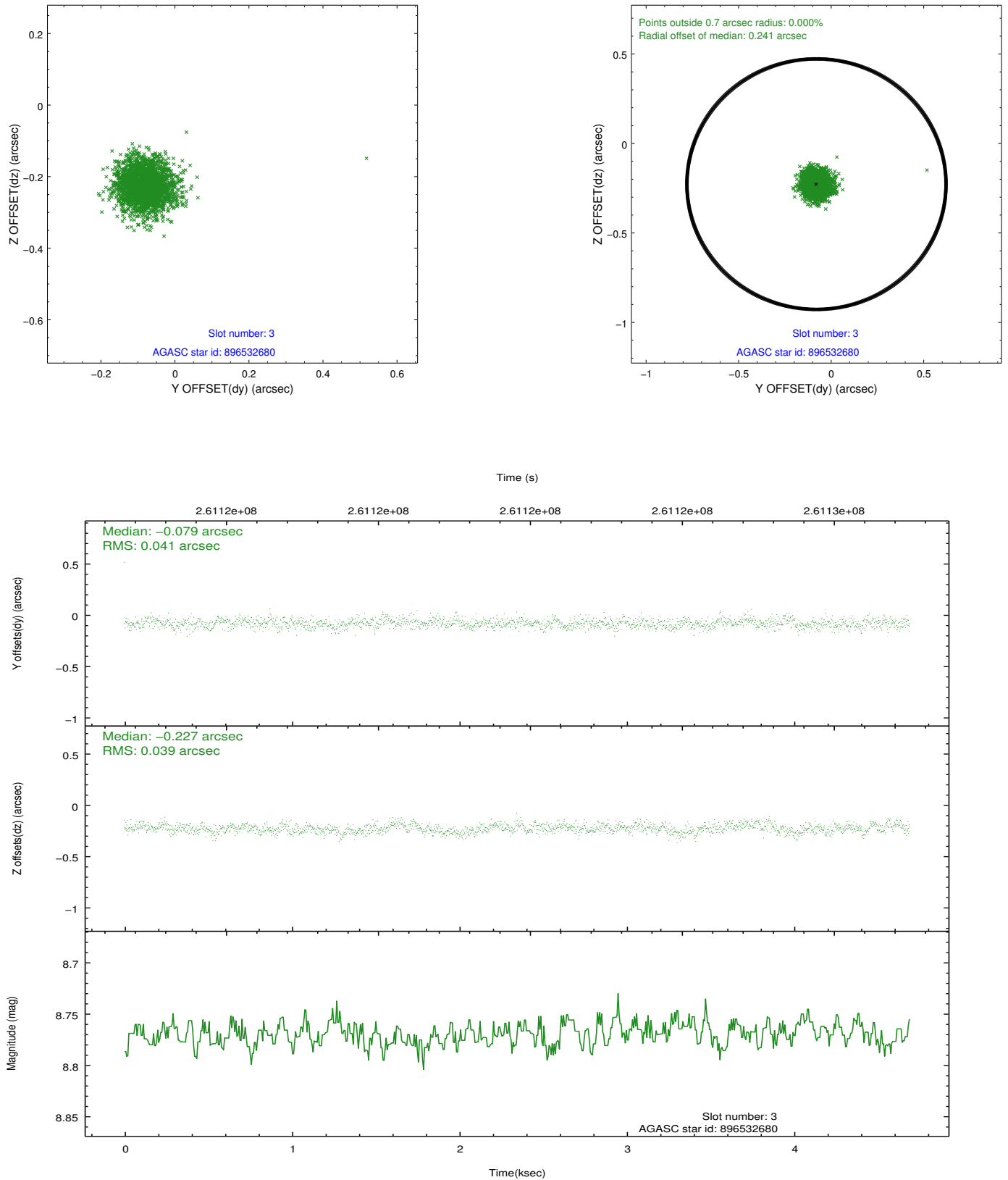


Slot Statistics

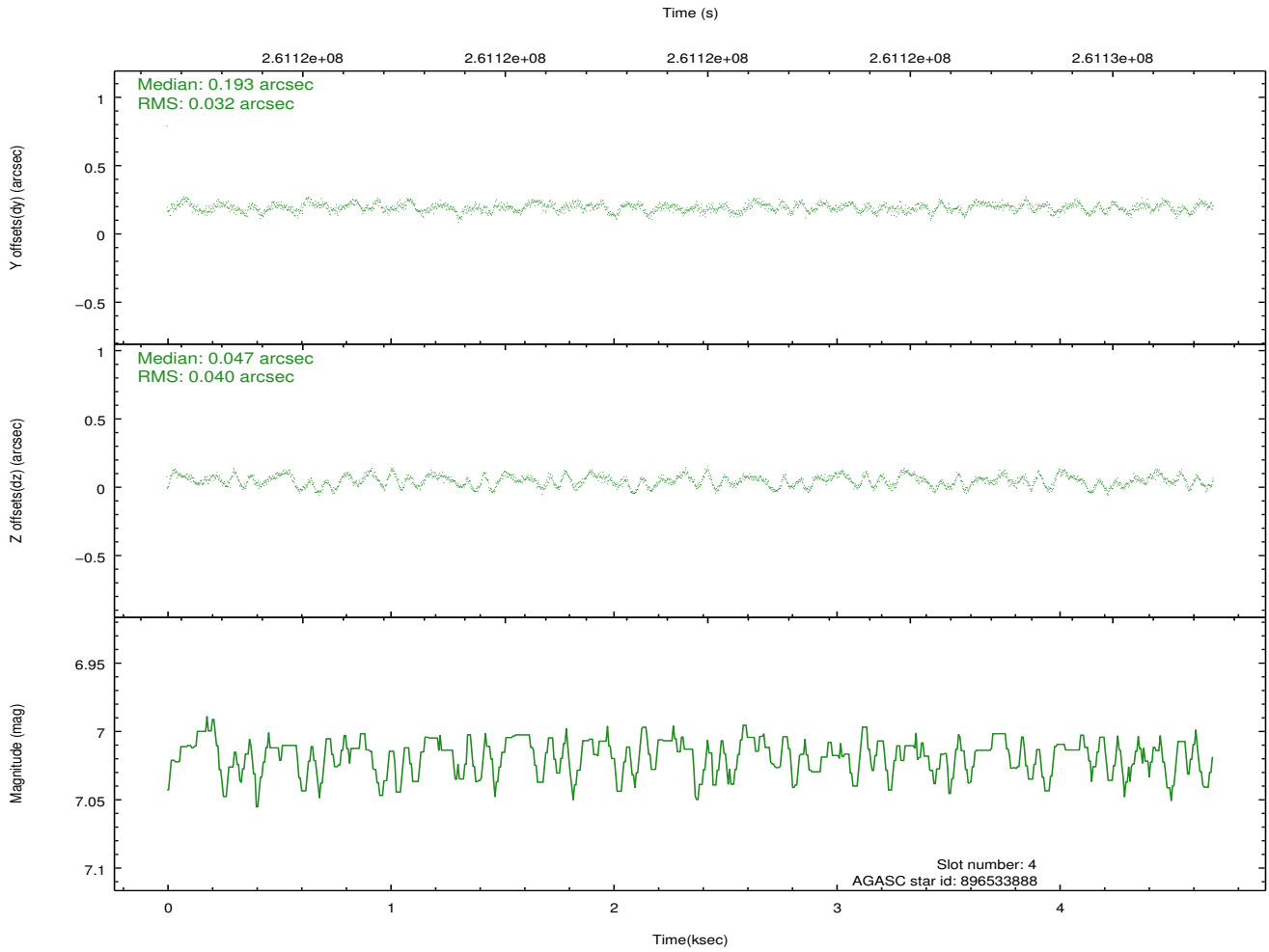
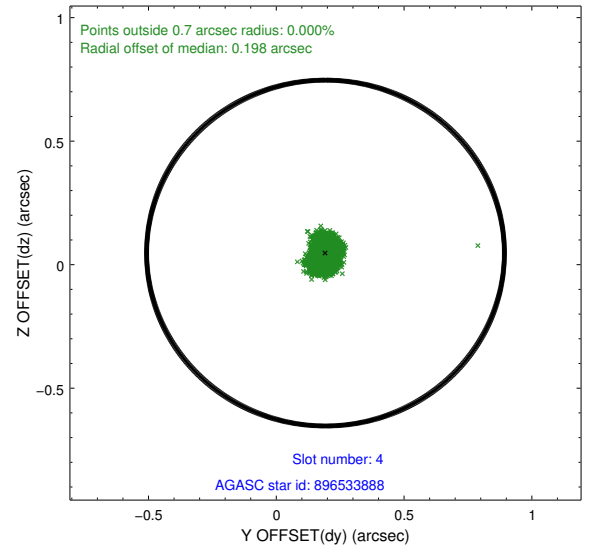
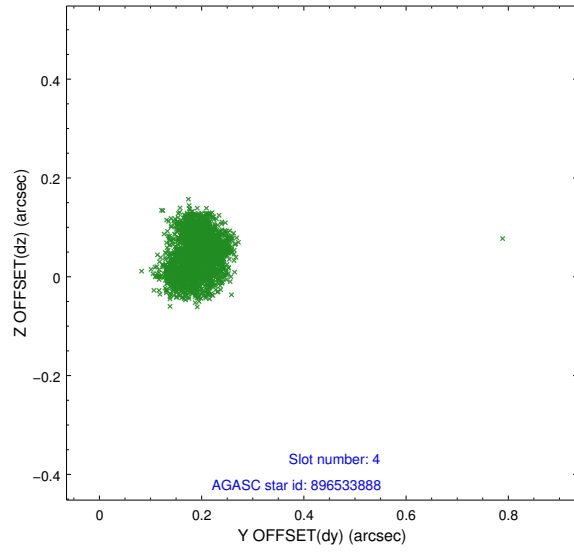
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1145	-0.006	0.031	0.009	0.015	0.000000	0.000000	931.99	-835.18
1	FID	ACIS-I-2	7.14	1145	-0.098	-0.070	0.010	0.017	0.000000	0.000000	-761.46	-842.35
2	FID	ACIS-I-6	7.25	1145	0.013	0.106	0.011	0.020	0.000000	0.000000	397.09	1706.06
3	GUIDE	896532680	8.77	2289	-0.079	-0.227	0.060	0.096	266.342632	-28.496299	1890.37	417.58
4	GUIDE	896533888	7.02	2290	0.193	0.047	0.055	0.082	266.666434	-29.392757	-1257.96	-821.69
5	GUIDE	896534664	8.21	2288	-0.404	-0.140	0.049	0.081	266.405570	-28.407461	2222.46	240.94
6	GUIDE	896537776	7.53	2290	0.344	0.034	0.054	0.081	266.655684	-29.665673	-2240.20	-854.48
7	GUIDE	896538208	7.97	2288	-0.053	0.289	0.058	0.091	267.176969	-28.671626	1435.52	-2256.09

2.4 Star Slots

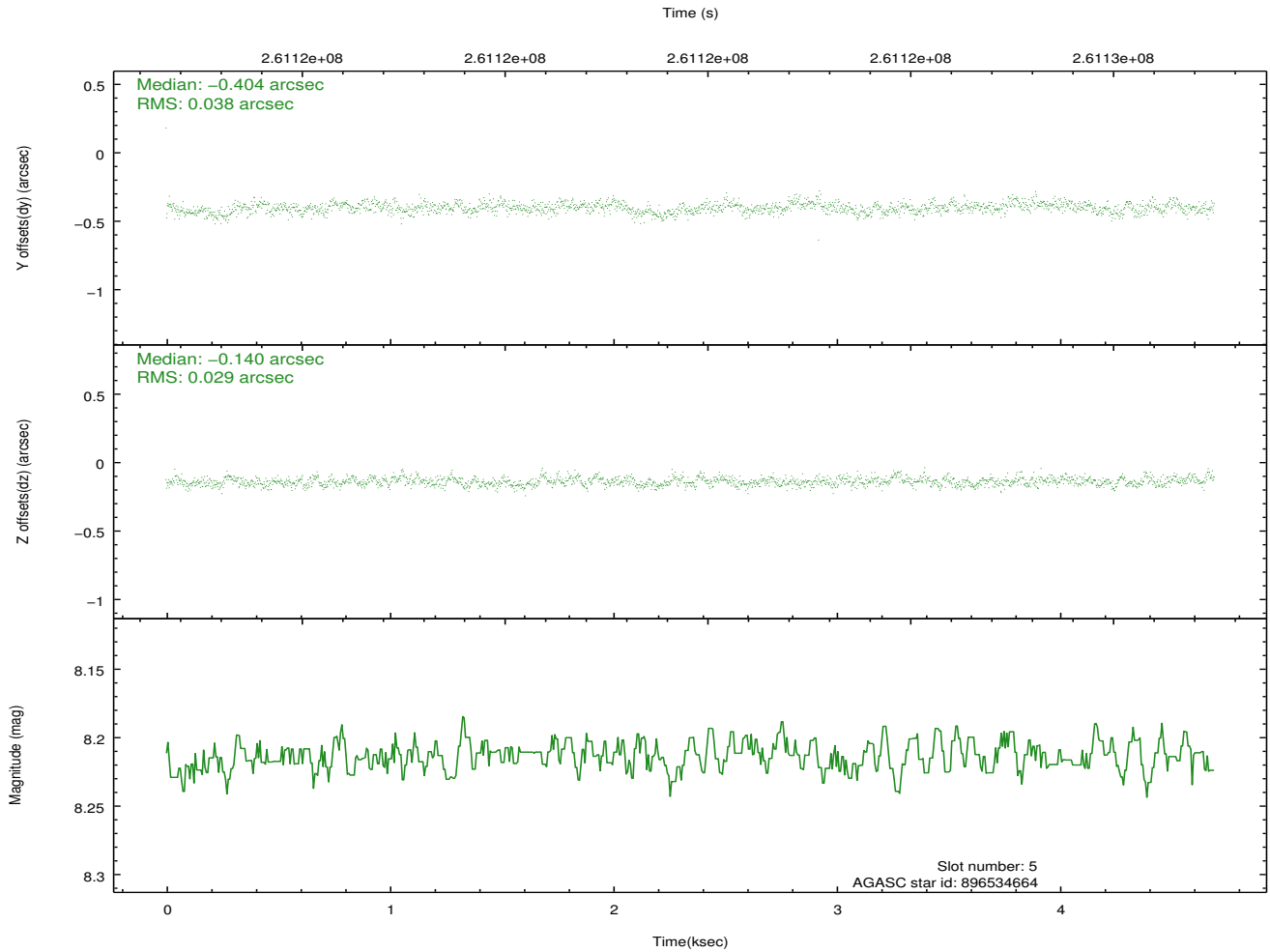
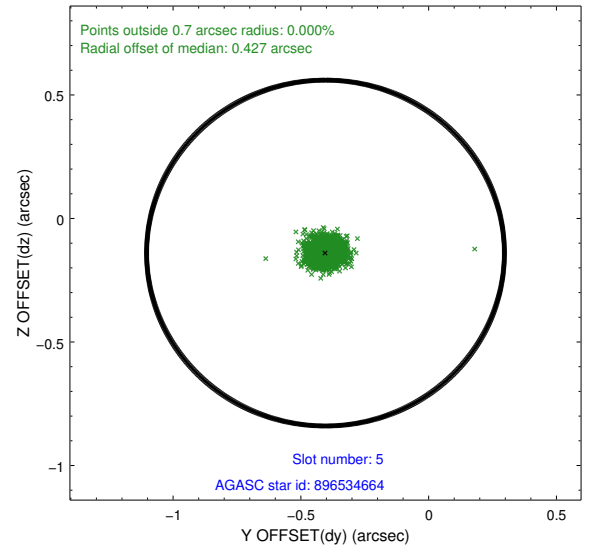
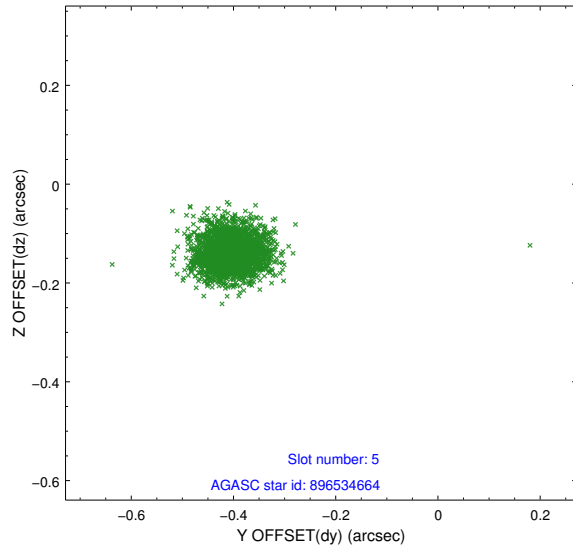
2.4.1 Slot 3



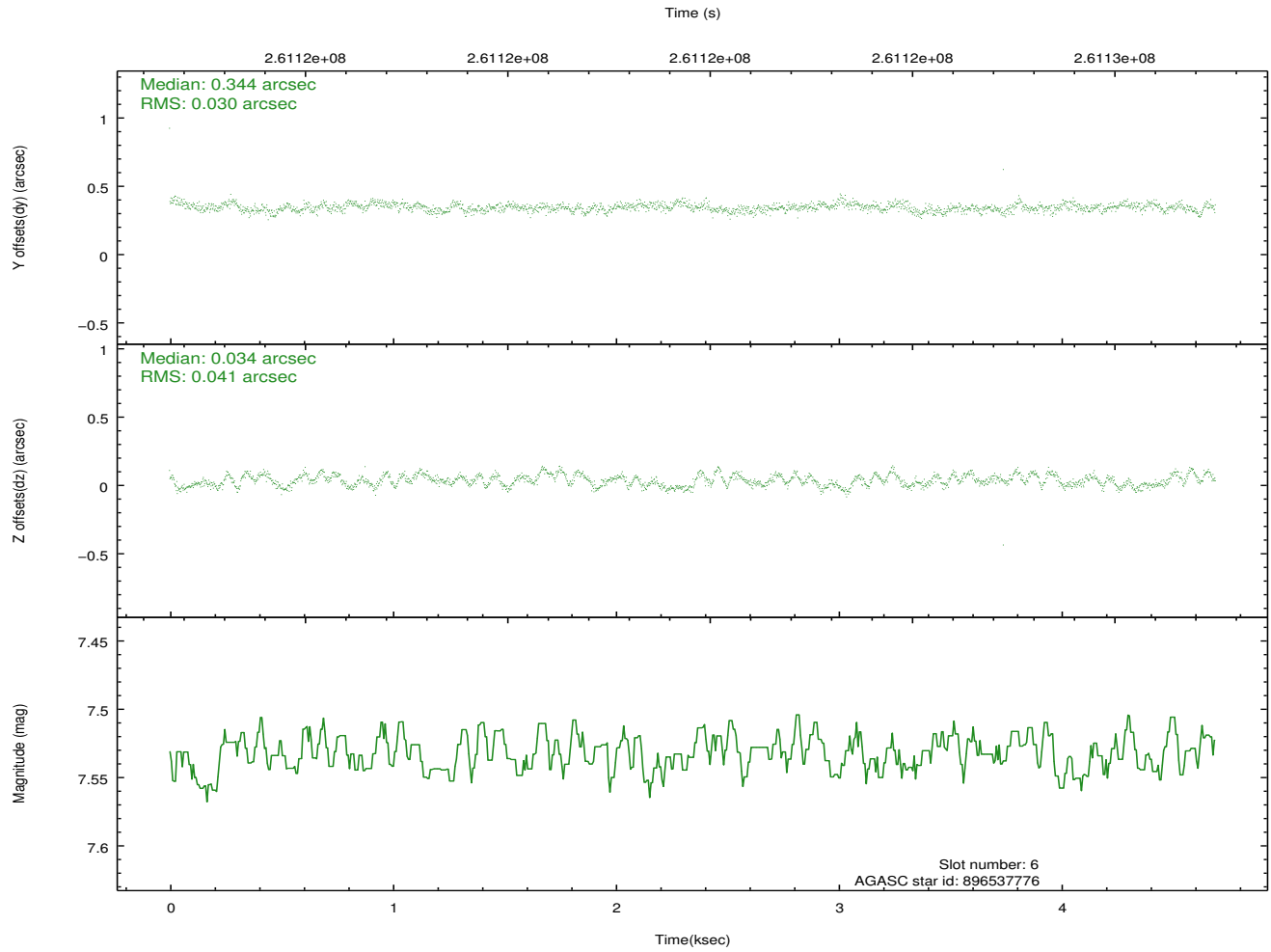
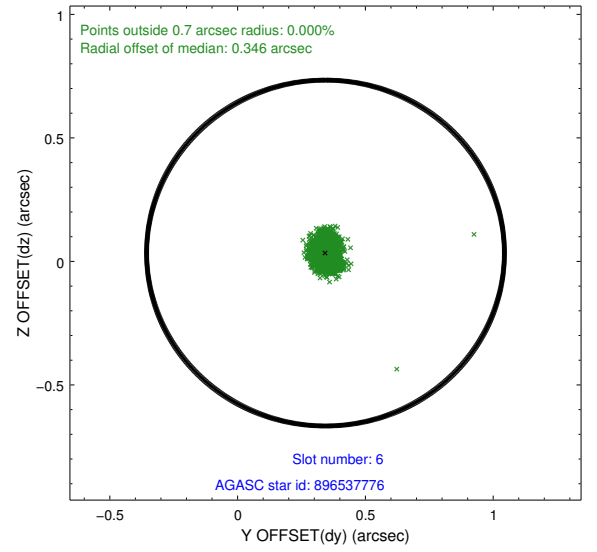
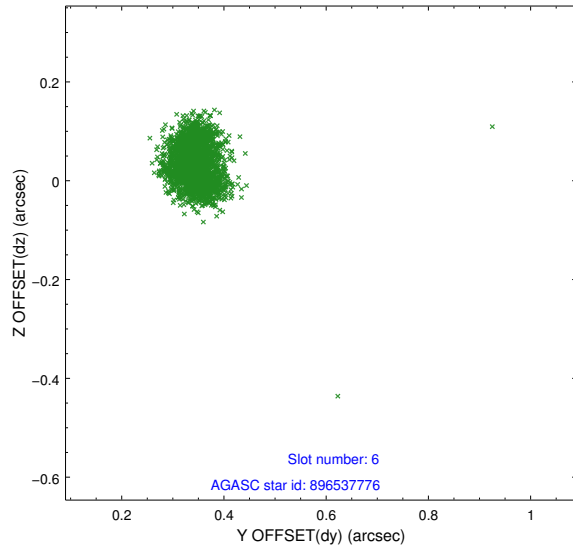
2.4.2 Slot 4



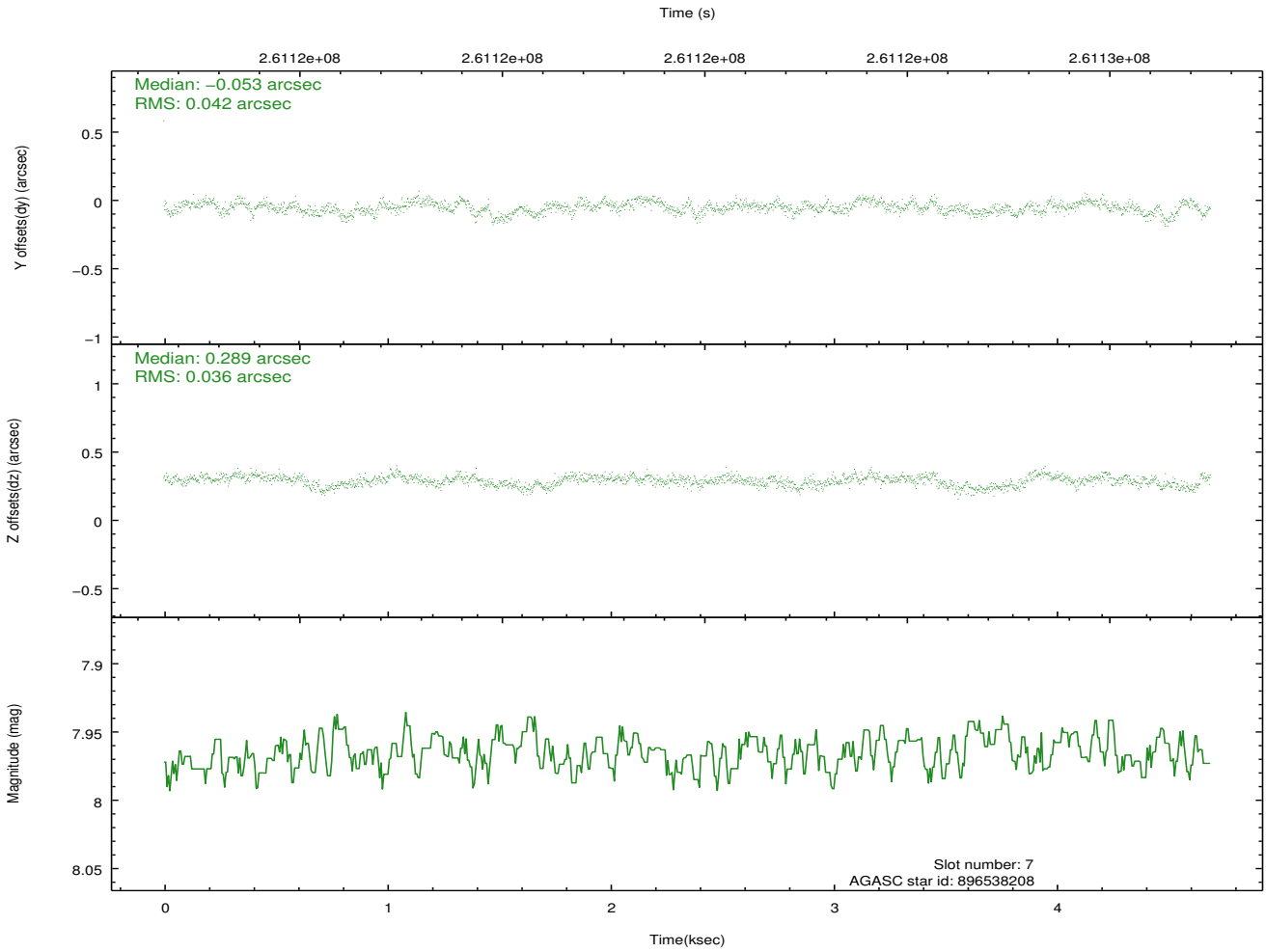
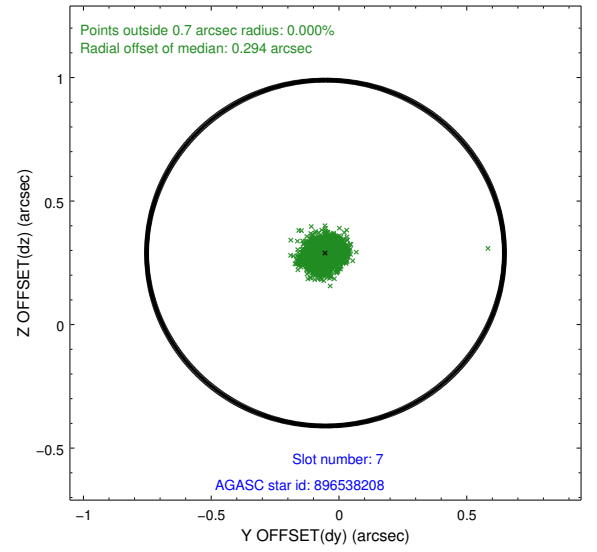
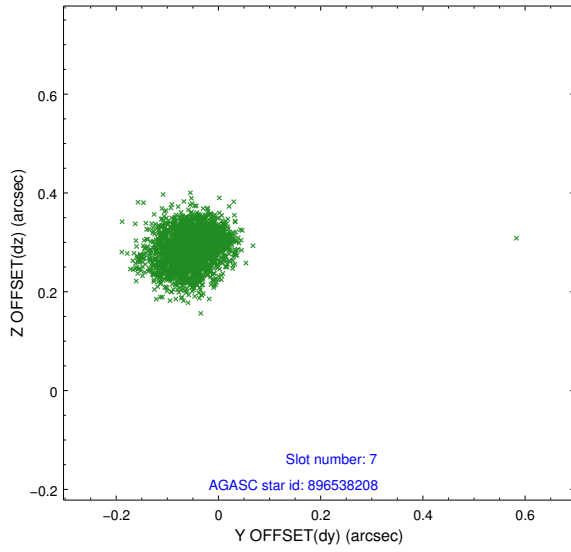
2.4.3 Slot 5



2.4.4 Slot 6

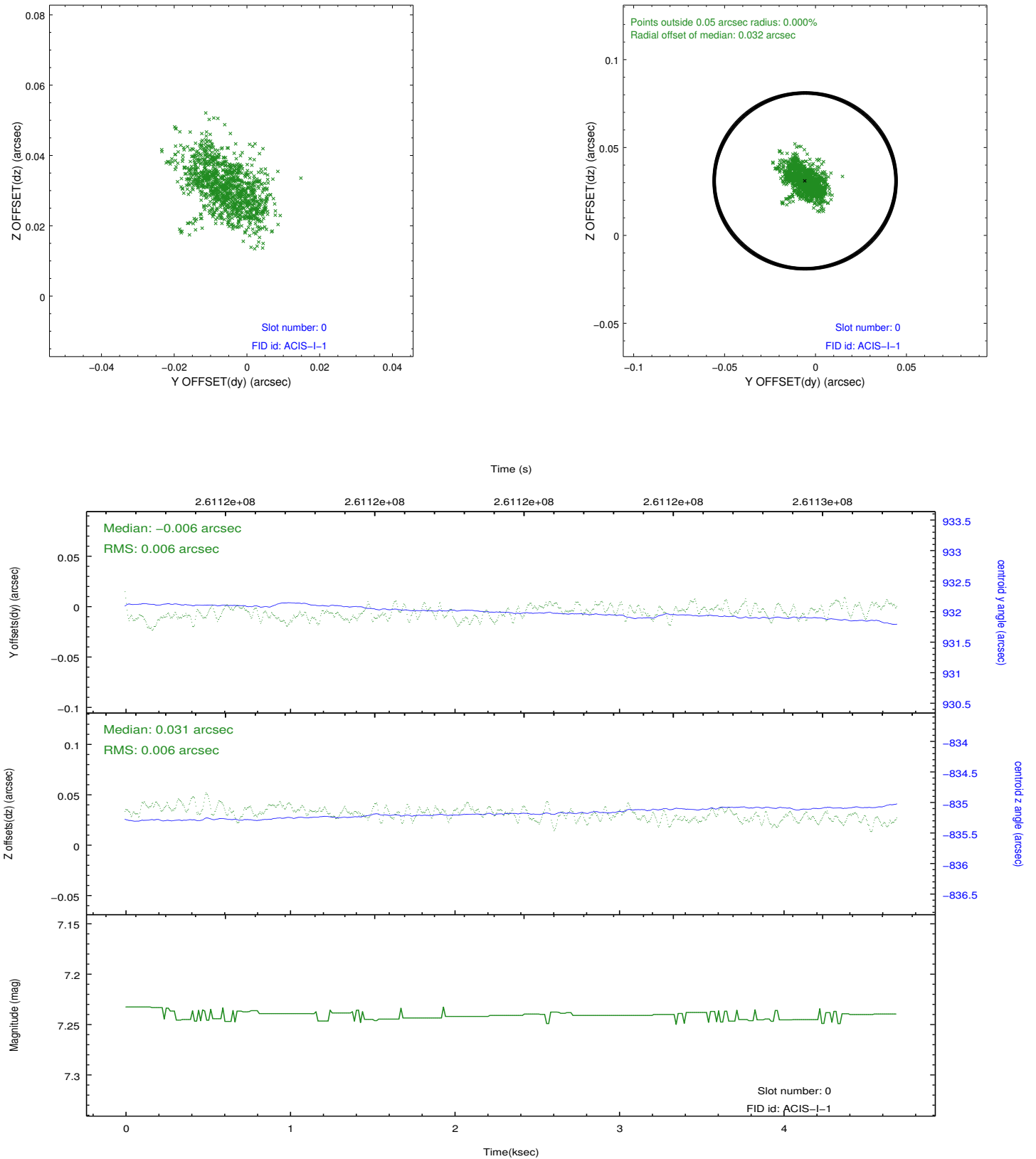


2.4.5 Slot 7

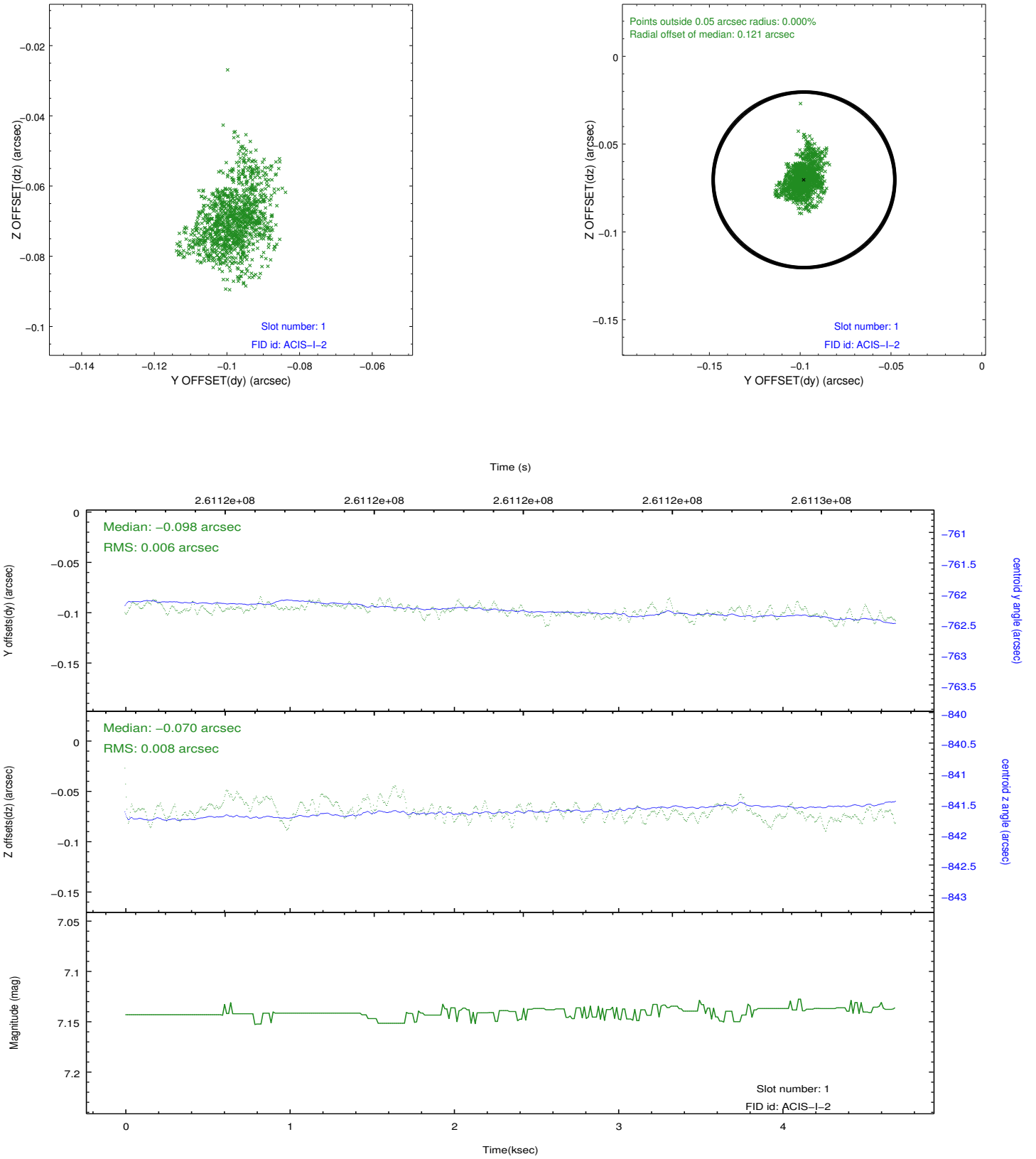


2.5 FID Slots

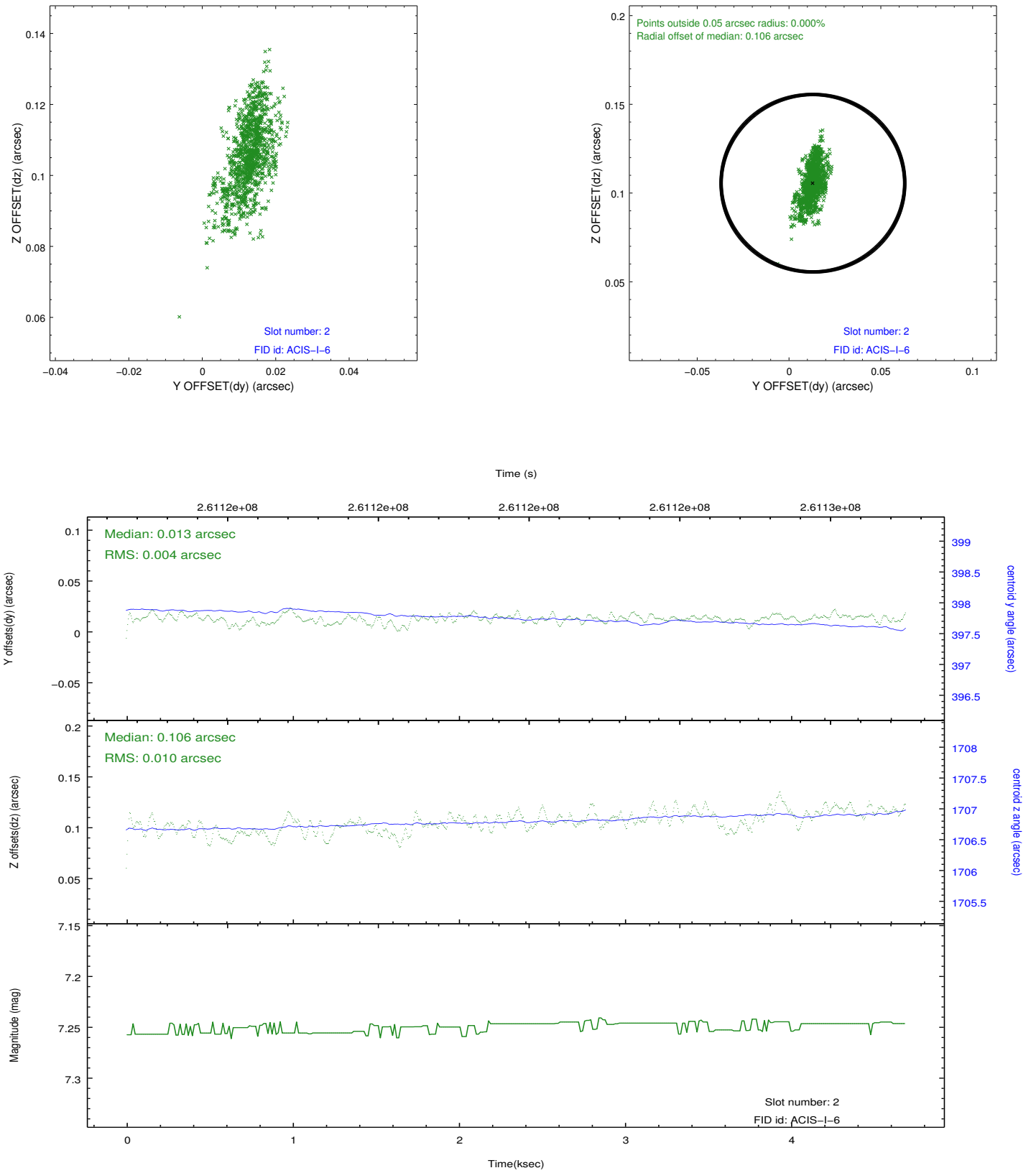
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.55079999

A.2 Comments