

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6425 - L2 Version 2
Chandra X-Ray Center

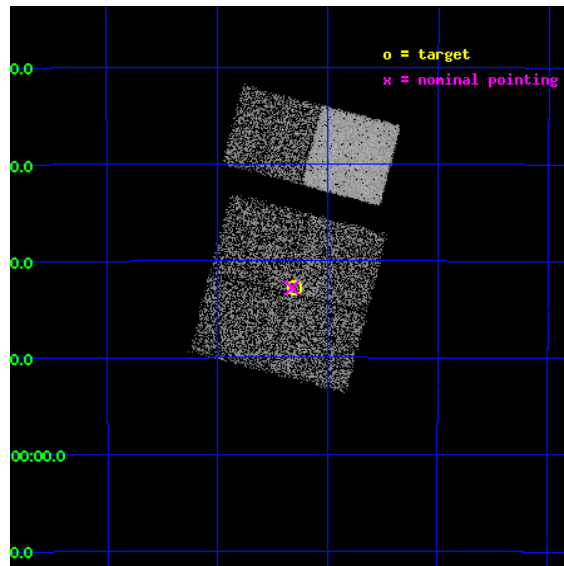
L2 Processing Date : Mar 30 2012

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1 Front

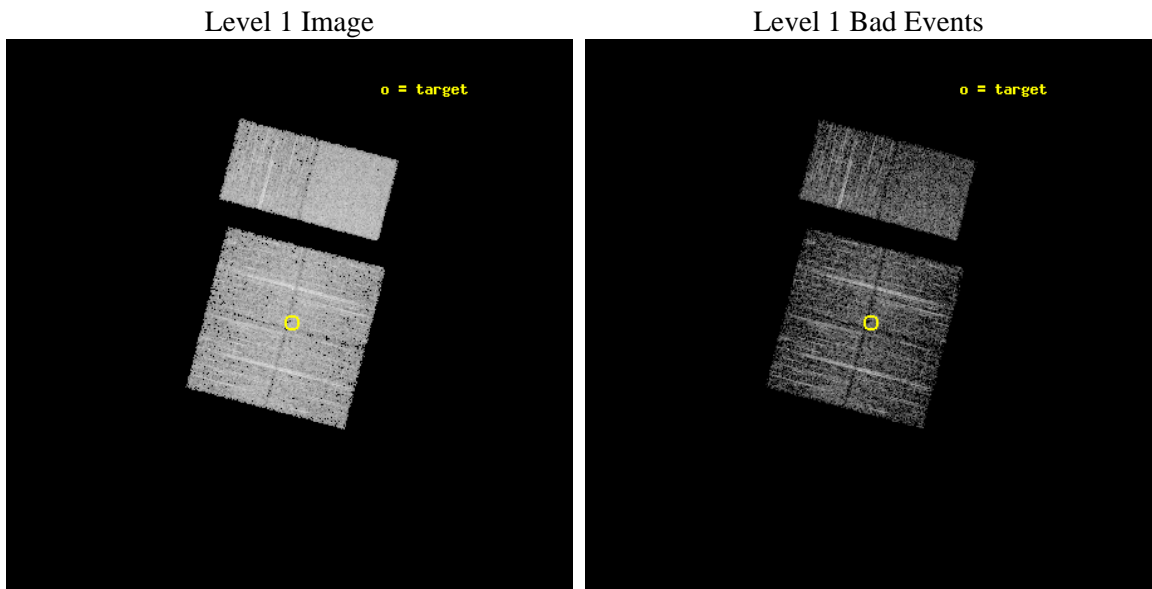
seq_num	200399	Sequence number
obs_id	6425	Observation id
title	Young Stars and Protoplanetary Disks in The Rich Cometary Globule CG 12	Proposal title
observer	Dr. Konstantin Getman	Principal investigator
object	CG 12	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.075	Observer's specified target RA [deg]
dec_targ	-39.7125	Observer's specified target Dec [deg]
ra_nom	209.08086071691	Nominal RA [deg]
dec_nom	-39.713309602272	Nominal Dec [deg]
roll_nom	14.659786802232	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3148.7999882698	Sum of GTIs [s]
livetime	3108.9279868386	Livetime [s]
ontime0	3148.7999882698	Sum of GTIs [s]
ontime1	3148.7999882698	Sum of GTIs [s]
ontime2	3148.7999882698	Sum of GTIs [s]
ontime3	3148.7999882698	Sum of GTIs [s]
ontime6	3148.7999882698	Sum of GTIs [s]
ontime7	3148.7999882698	Sum of GTIs [s]
l2events	29837	Number of level 2 events



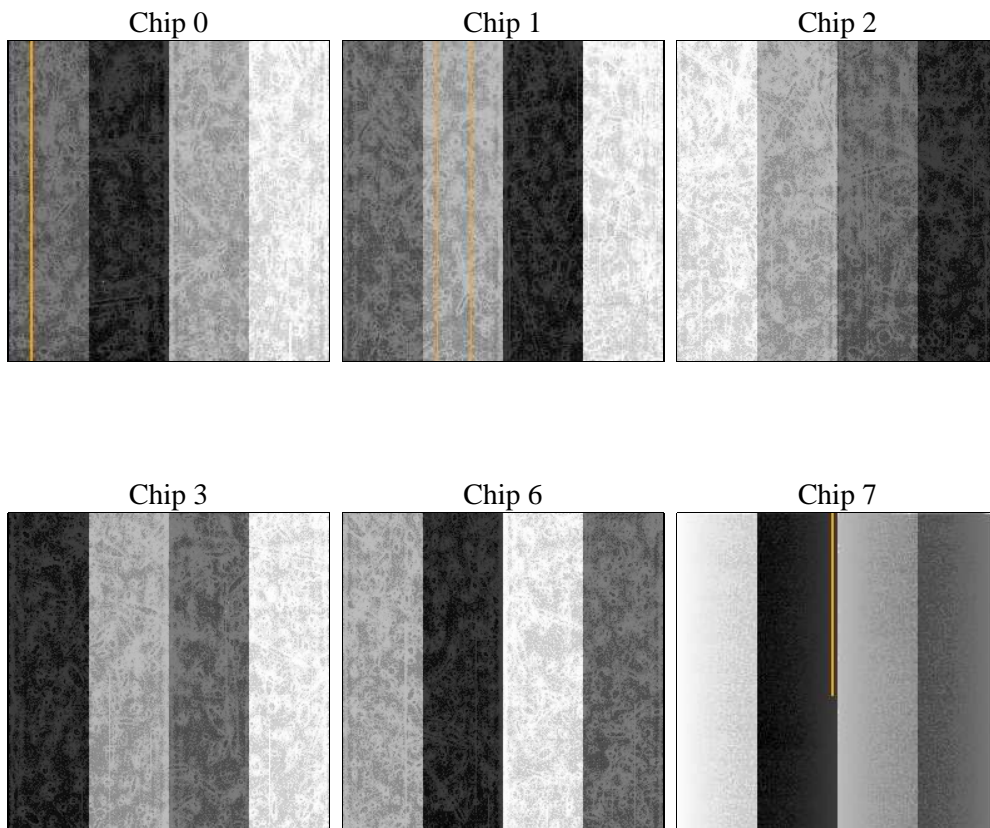
2 OBI

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	8.4.3	Processing system revision	ontime	3148.7999882698	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	3148.7999882698	Sum of GTIs [s]
date	2012-03-30T04:43:53	Date and time of file creation	ontime1	3148.7999882698	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3148.7999882698	Sum of GTIs [s]
			ontime3	3148.7999882698	Sum of GTIs [s]
			ontime6	3148.7999882698	Sum of GTIs [s]
			ontime7	3148.7999882698	Sum of GTIs [s]
			l1events	241214	Number of level 1 events

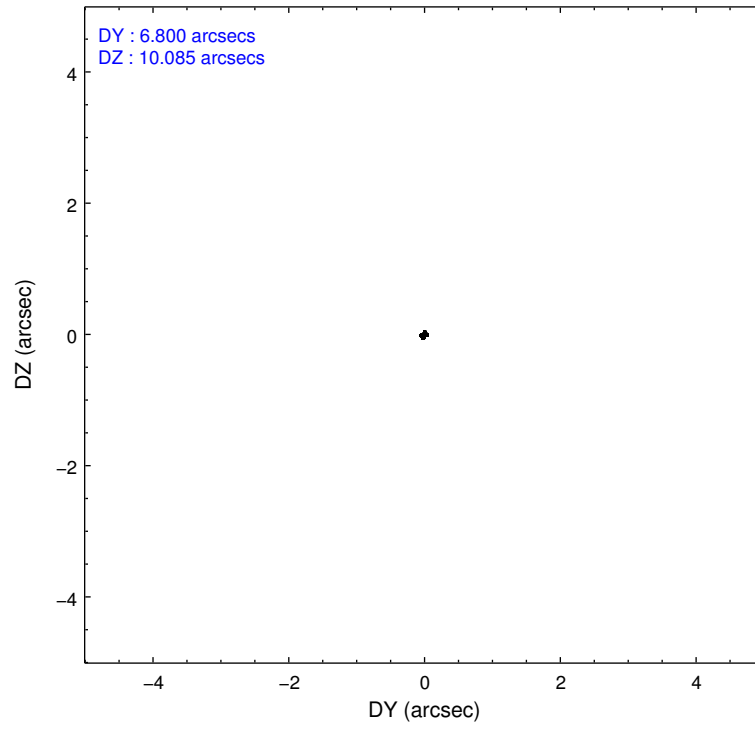
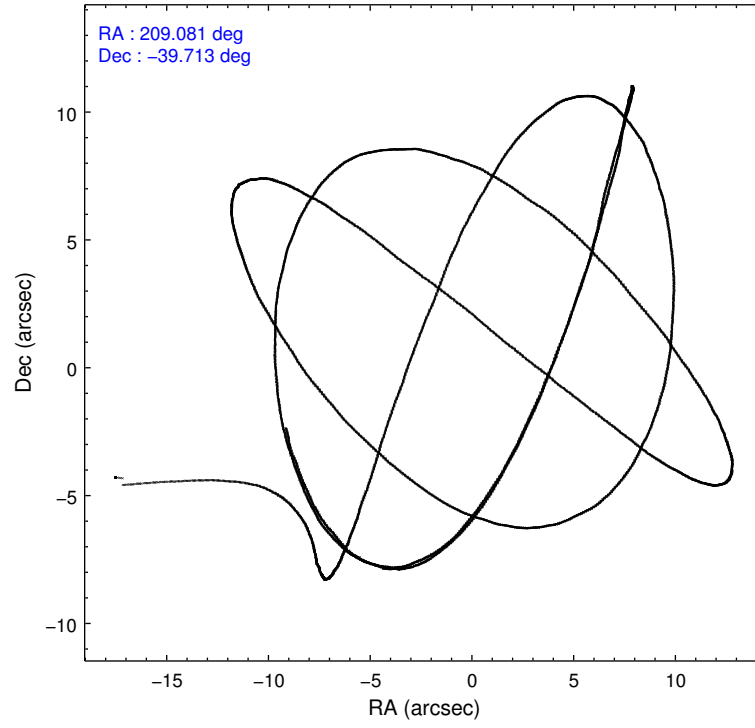
2.1.4 Events

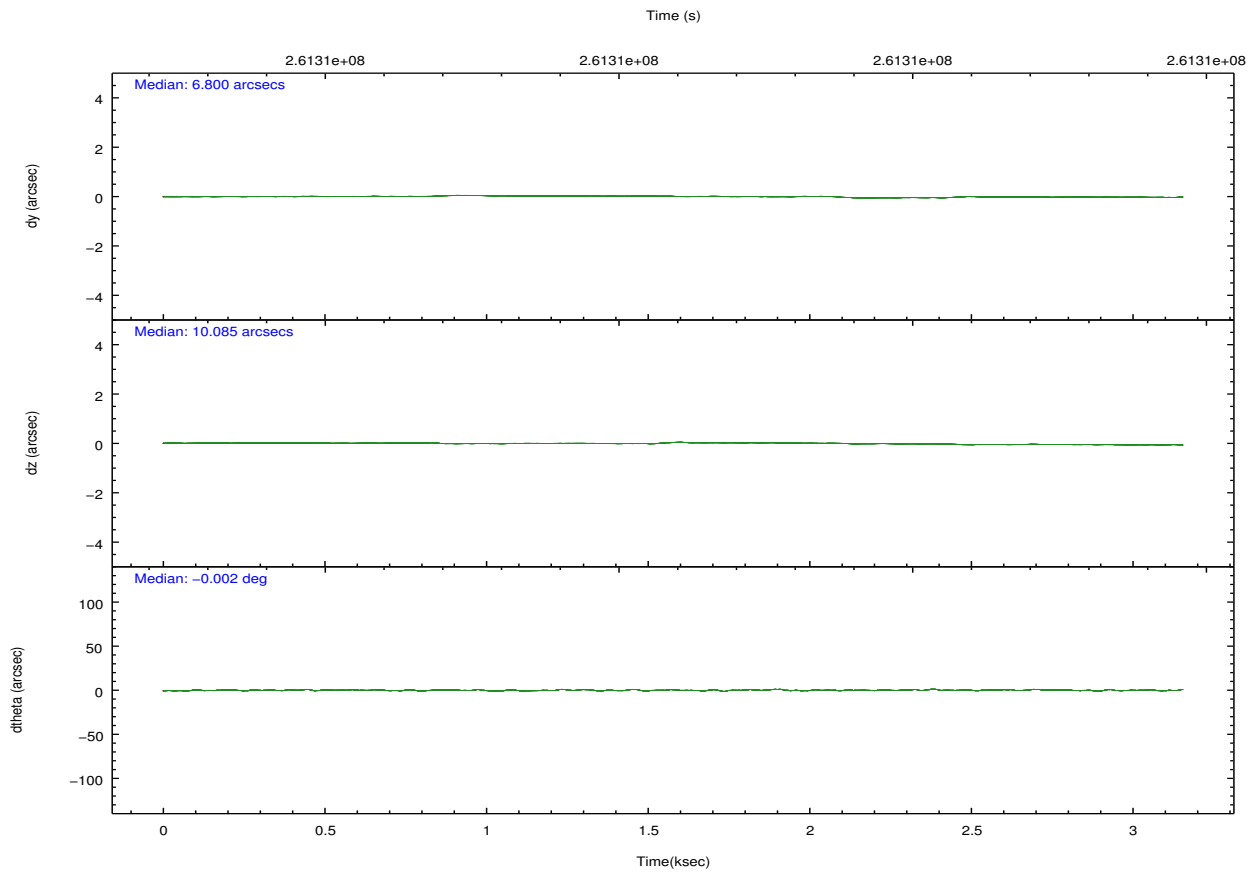
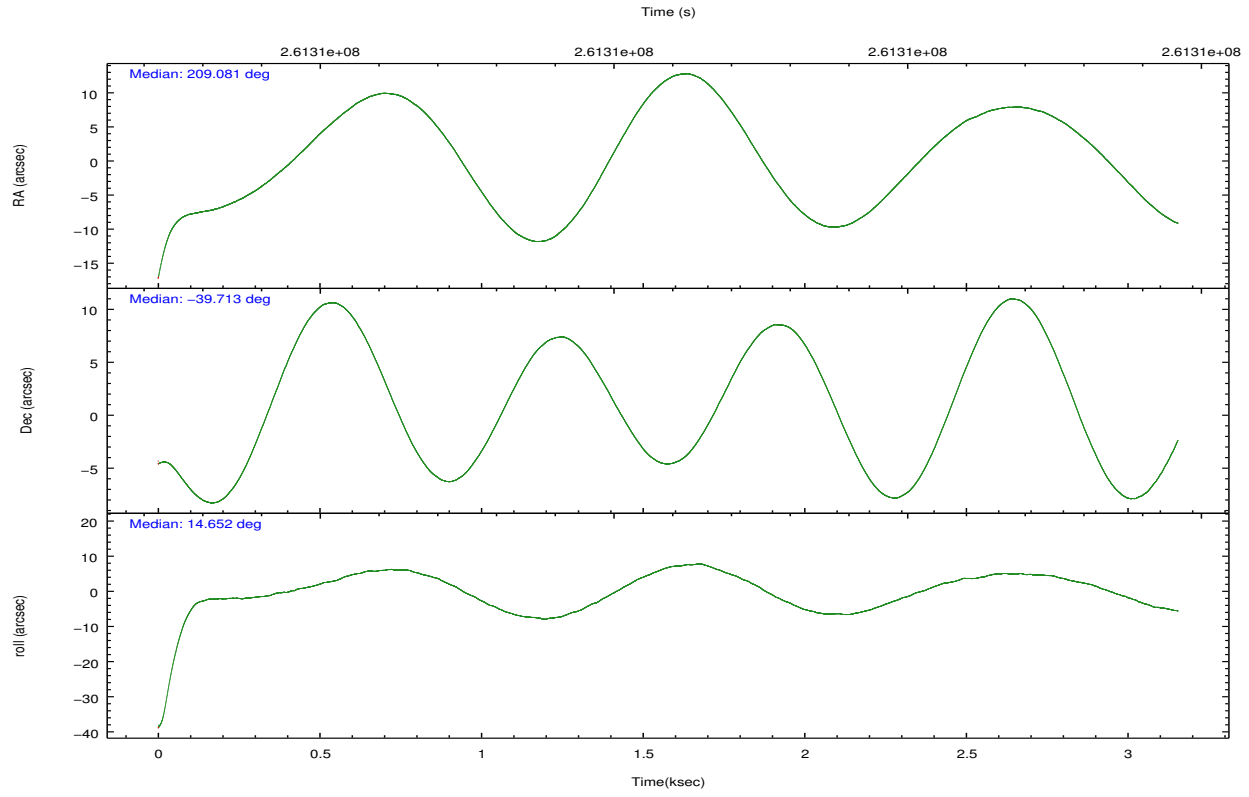
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37024	35187	38492	37981	39911	52619	grade 0 events	2162	2001	2333	2076	1882	2066
rejected events	33635	31573	35065	34713	36549	37109		5%	5%	6%	5%	4%	3%
rejected %	90%	89%	91%	91%	91%	70%	grade 1 events	23	24	31	26	16	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	1001	1172	947	911	983	4396
								2%	3%	2%	2%	2%	8%
							grade 3 events	446	458	423	421	436	1900
								1%	1%	1%	1%	1%	3%
							grade 4 events	424	481	427	425	453	1933
								1%	1%	1%	1%	1%	3%
							grade 5 events	1575	1741	1479	1853	1817	5014
								4%	4%	3%	4%	4%	9%
							grade 6 events	804	1029	753	814	982	11591
								2%	2%	1%	2%	2%	22%
							grade 7 events	30589	28281	32099	31455	33342	25659
								82%	80%	83%	82%	83%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	209.055733	209.0808607169097	Subarray requested	NONE	NONE
[deg] Pointing Dec	-39.732492	-39.71330960227208	Alternating exposures requested	N	N
[deg] Pointing Roll	14.435150	14.65978680223243	[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)	261306763.184000	261305048.00181			
Observation start date	2006-04-13T09:11:38	2006-04-13T08:44:08			
[s] Observation end time (MET)	261309763.184000	261310386.71456			
Observation end date	2006-04-13T10:01:38	2006-04-13T10:13:06			
Read mode	TIMED	TIMED			

2.3 Aspect



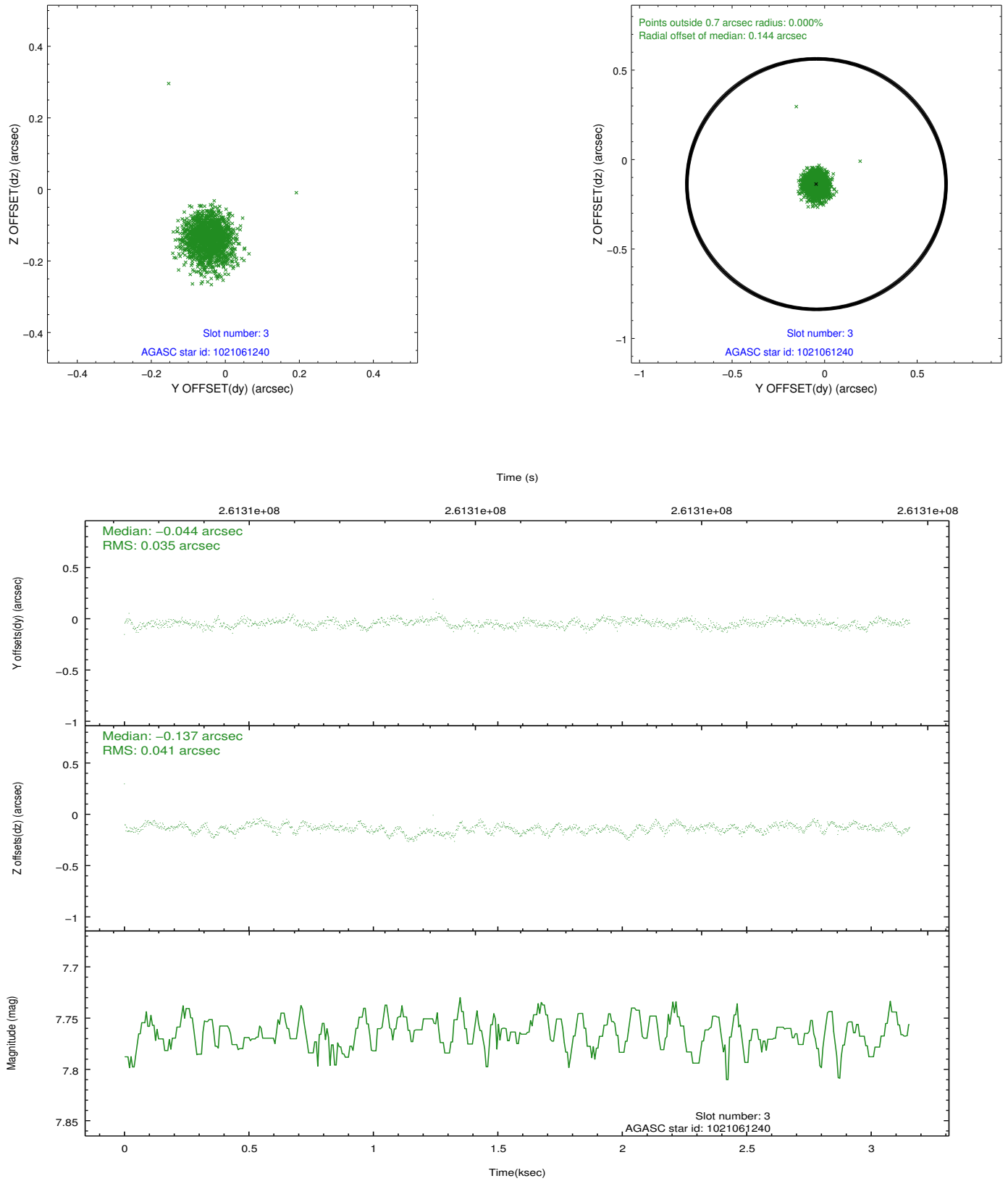


Slot Statistics

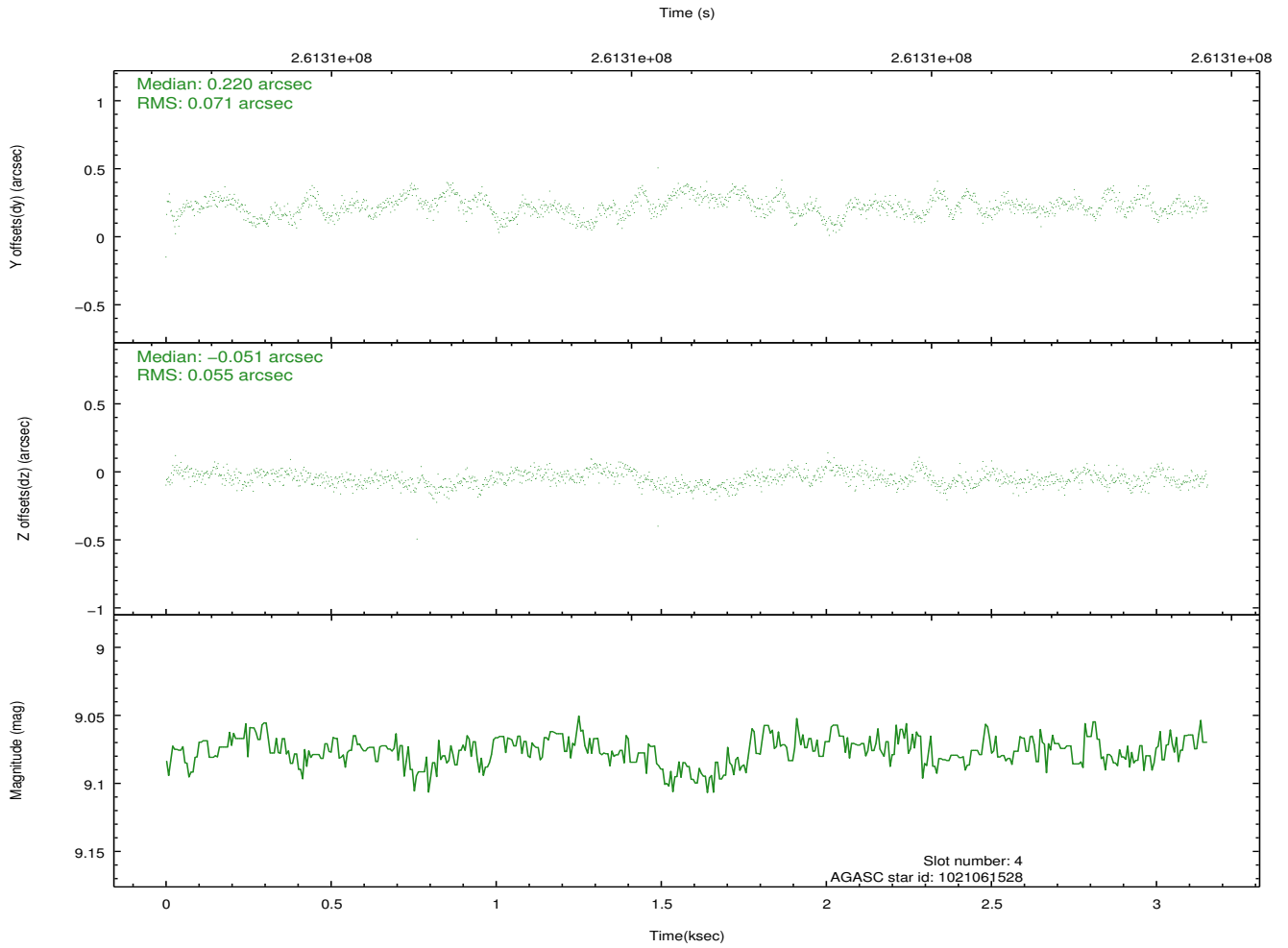
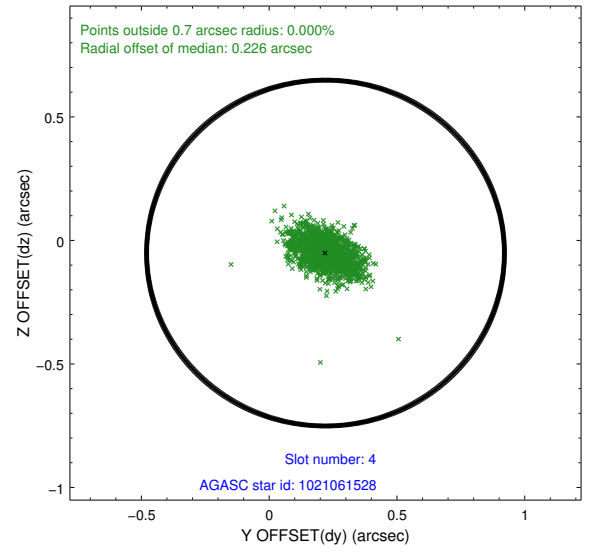
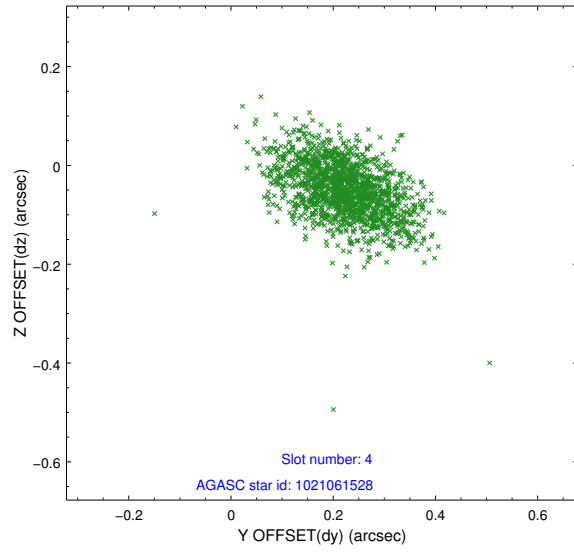
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	770	0.007	0.010	0.006	0.012	0.000000	0.000000	932.90	-833.54
1	FID	ACIS-I-5	7.23	770	-0.153	0.028	0.006	0.011	0.000000	0.000000	-1814.25	1062.96
2	FID	ACIS-I-6	7.26	770	0.055	0.032	0.007	0.012	0.000000	0.000000	396.30	1709.75
3	GUIDE	1021061240	7.76	1540	-0.044	-0.137	0.056	0.090	209.442393	-39.334252	1399.66	1118.19
4	GUIDE	1021061528	9.08	1539	0.220	-0.051	0.092	0.155	208.369855	-39.365176	-1519.30	1750.25
5	GUIDE	1021576344	7.36	1540	-0.087	-0.066	0.055	0.092	208.993717	-39.409695	122.07	1169.82
6	GUIDE	1021579312	8.16	1540	-0.029	0.129	0.073	0.123	209.813122	-40.124299	1665.90	-1892.83
7	GUIDE	1021583888	7.70	1539	-0.066	0.125	0.061	0.102	209.938220	-39.924265	2186.10	-1288.00

2.4 Star Slots

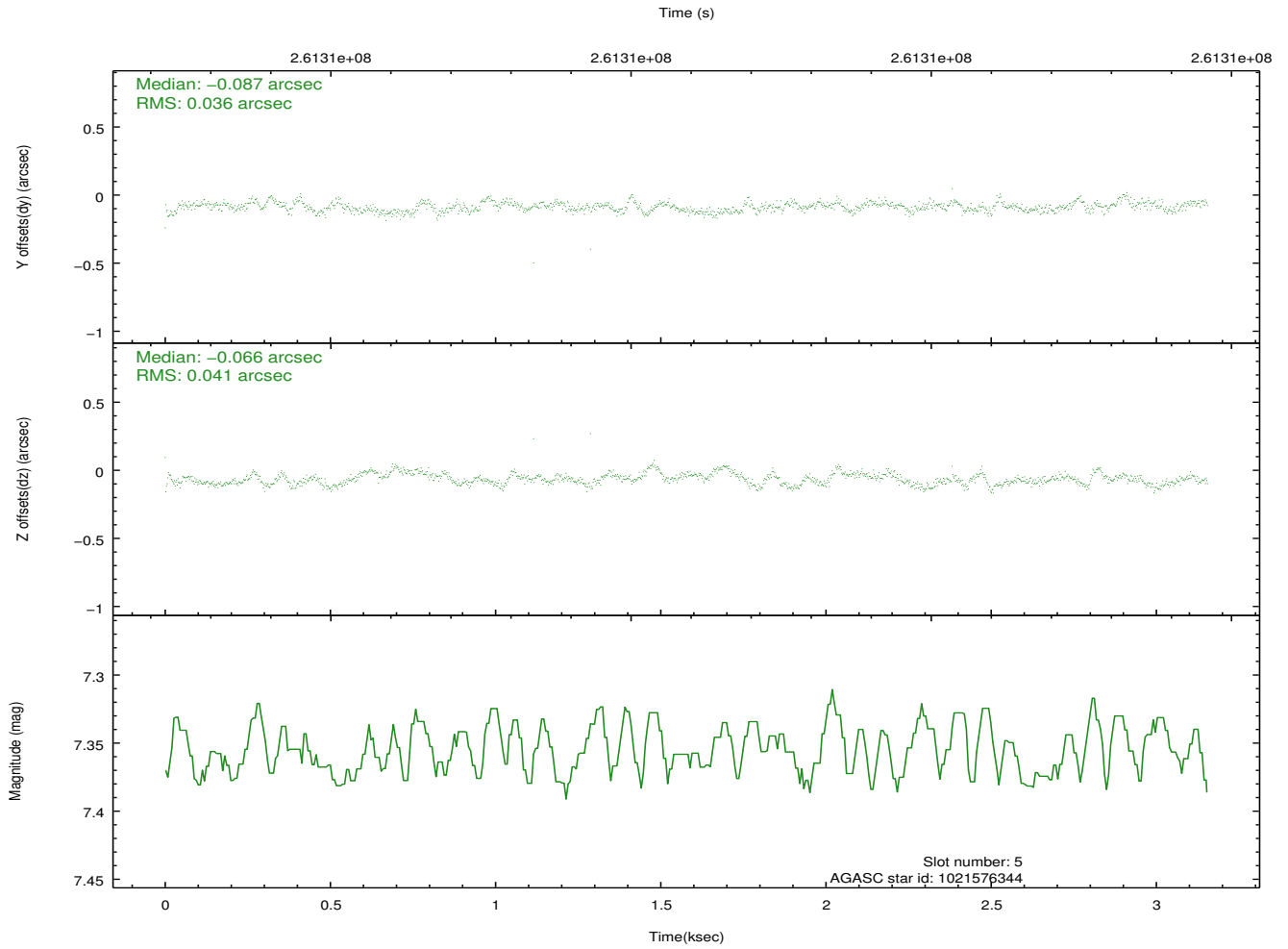
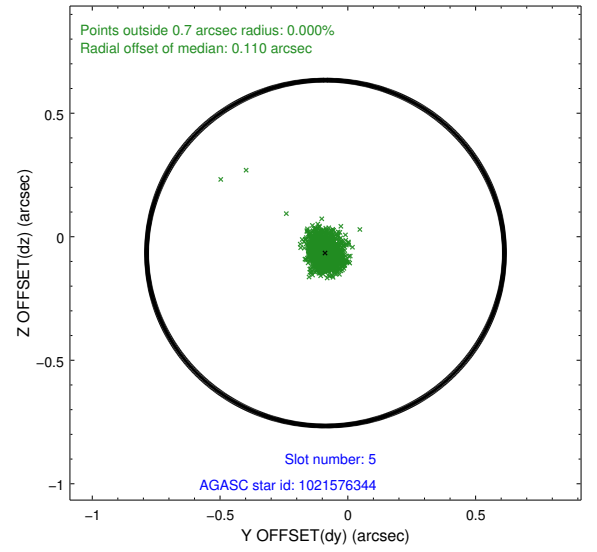
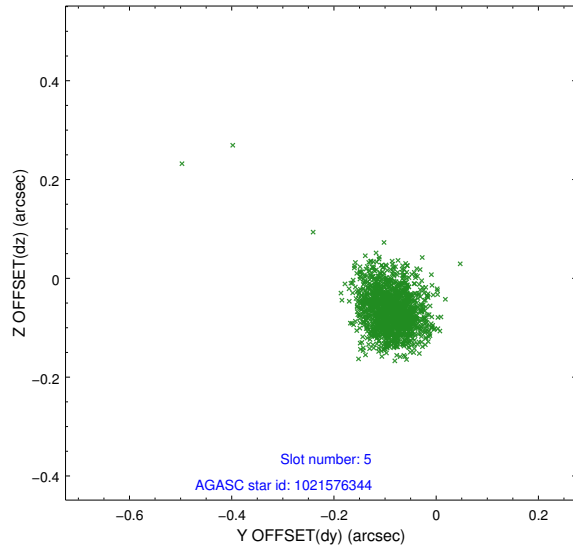
2.4.1 Slot 3



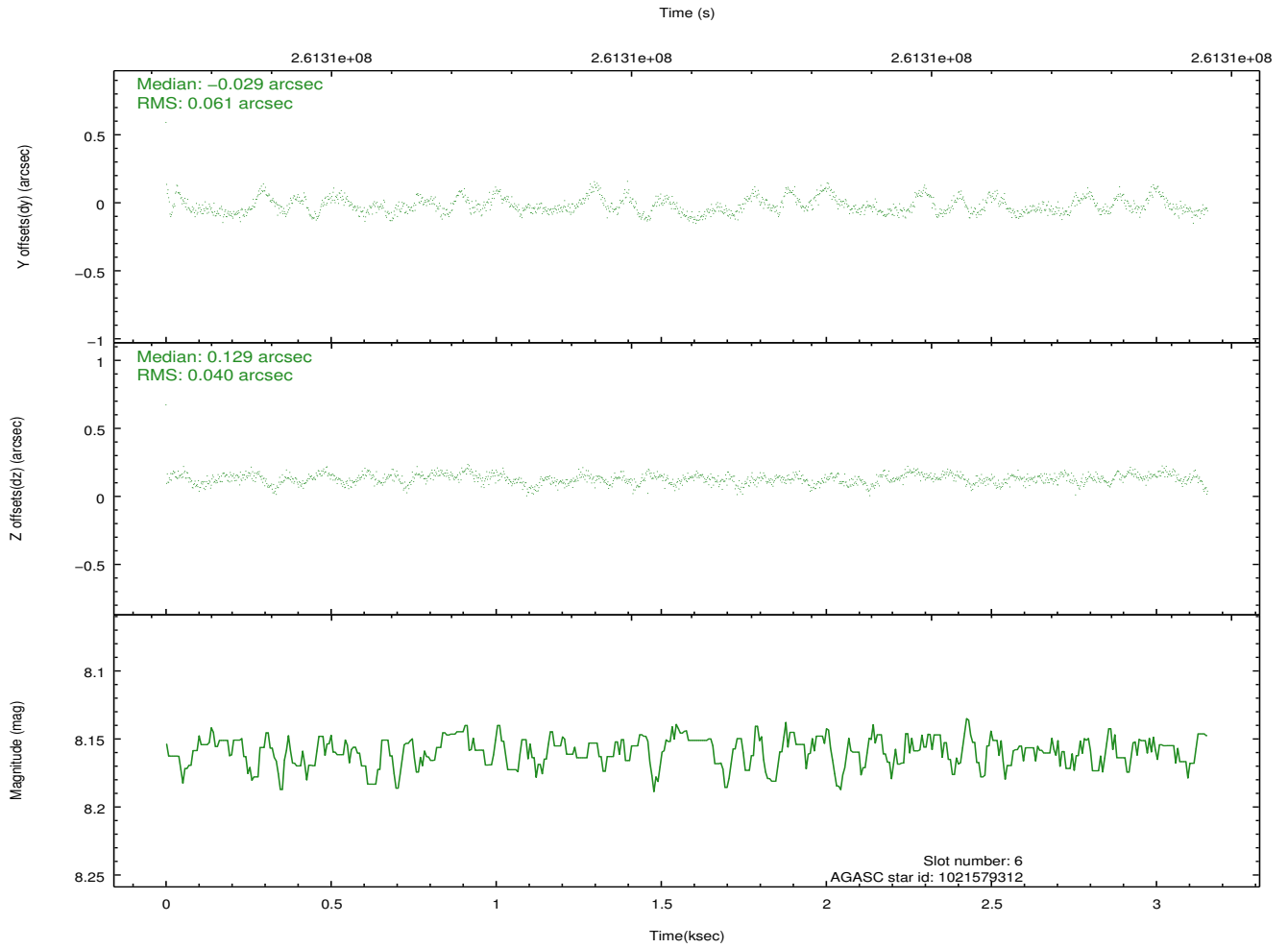
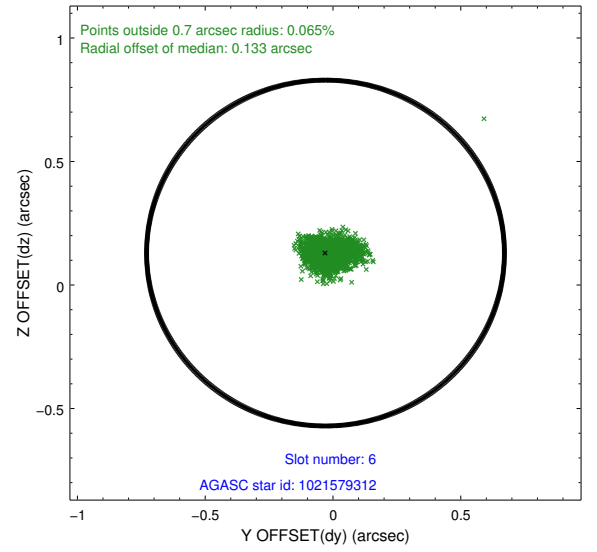
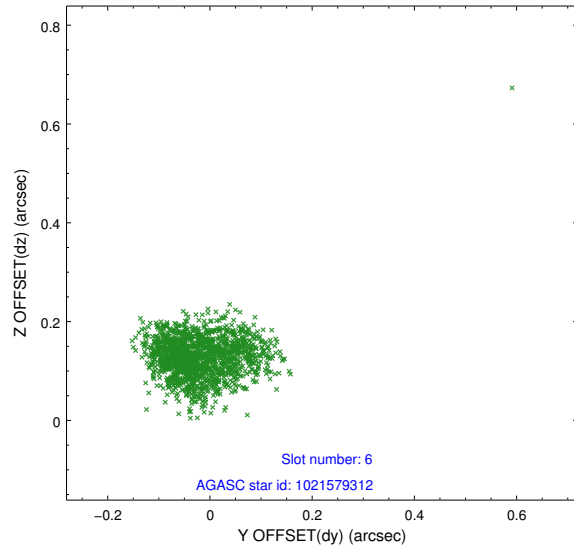
2.4.2 Slot 4



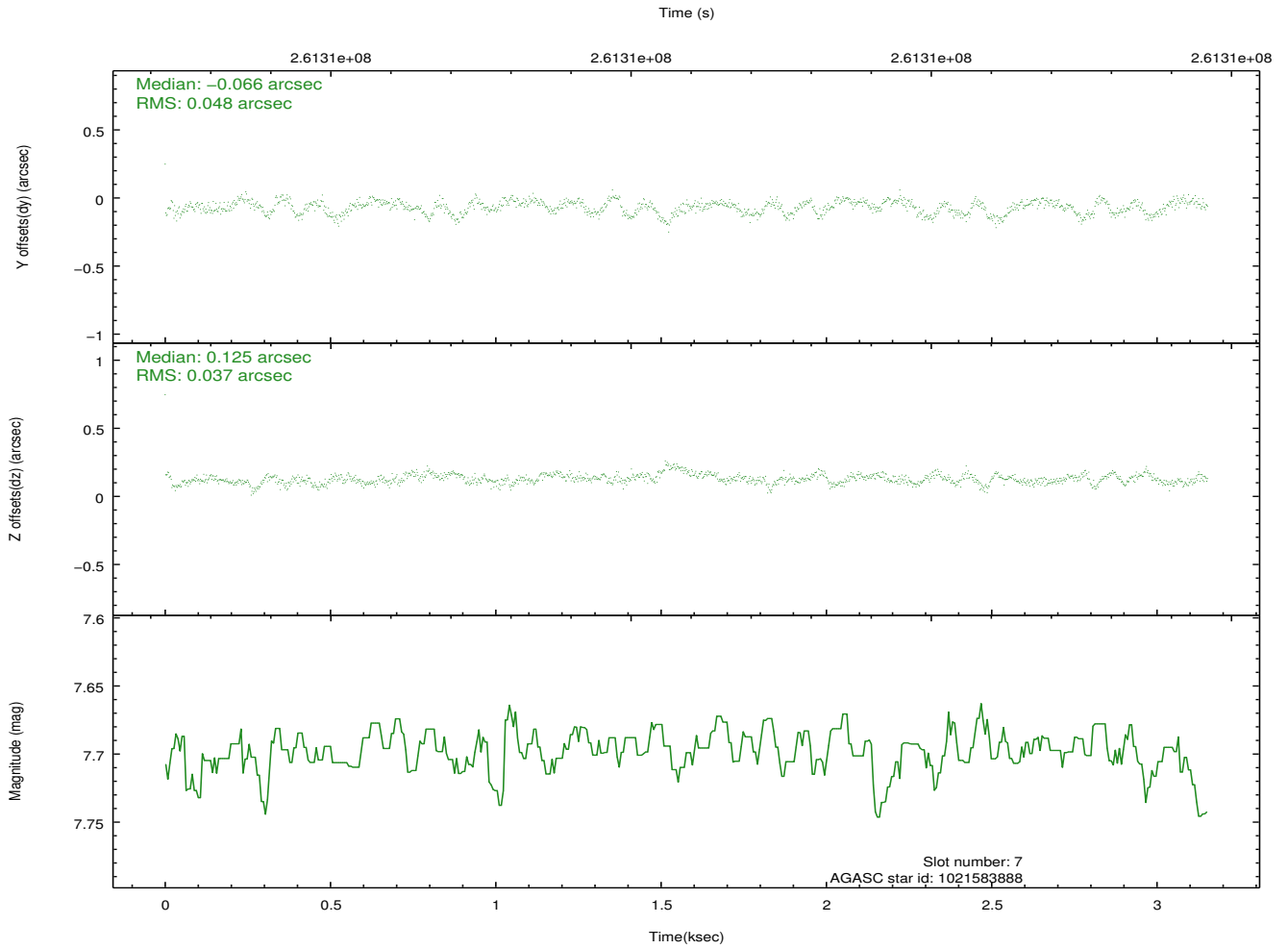
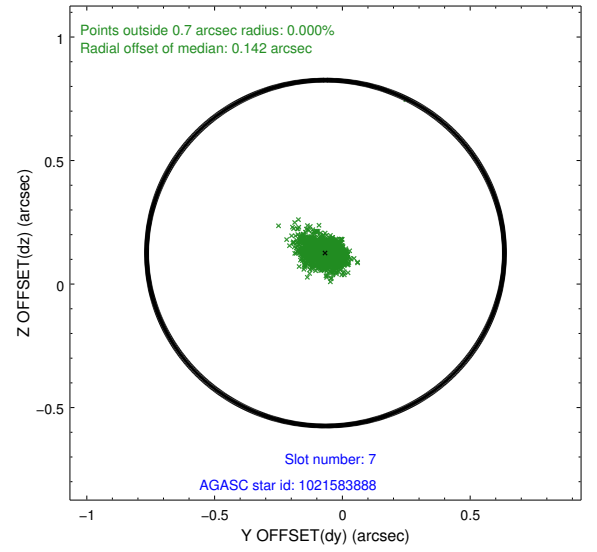
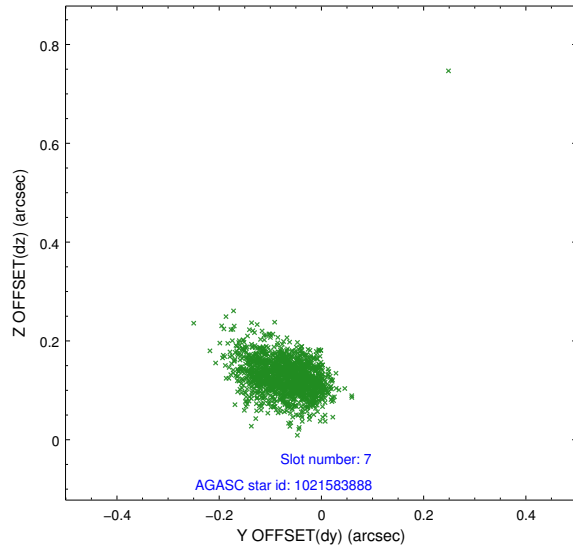
2.4.3 Slot 5



2.4.4 Slot 6

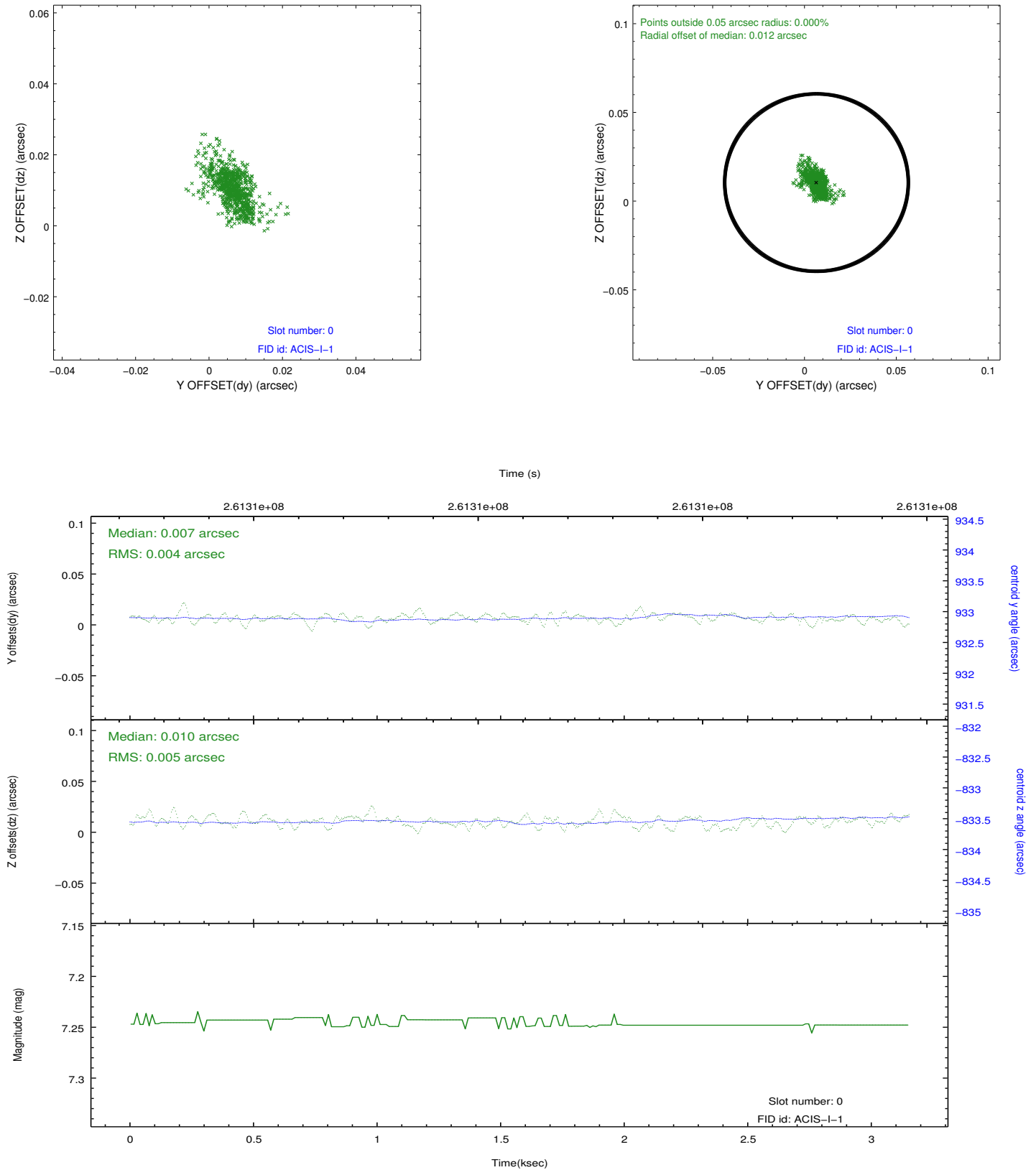


2.4.5 Slot 7

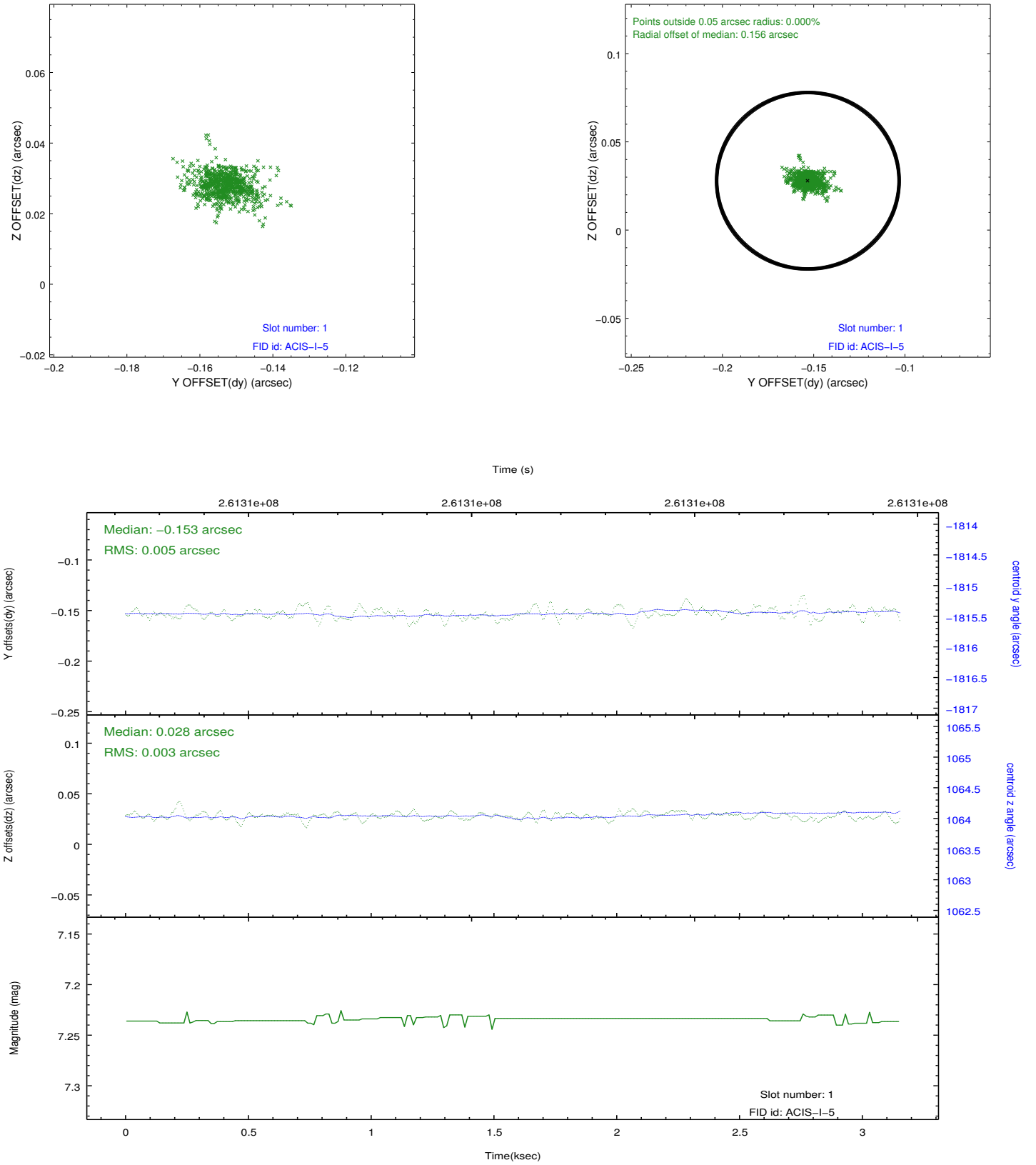


2.5 FID Slots

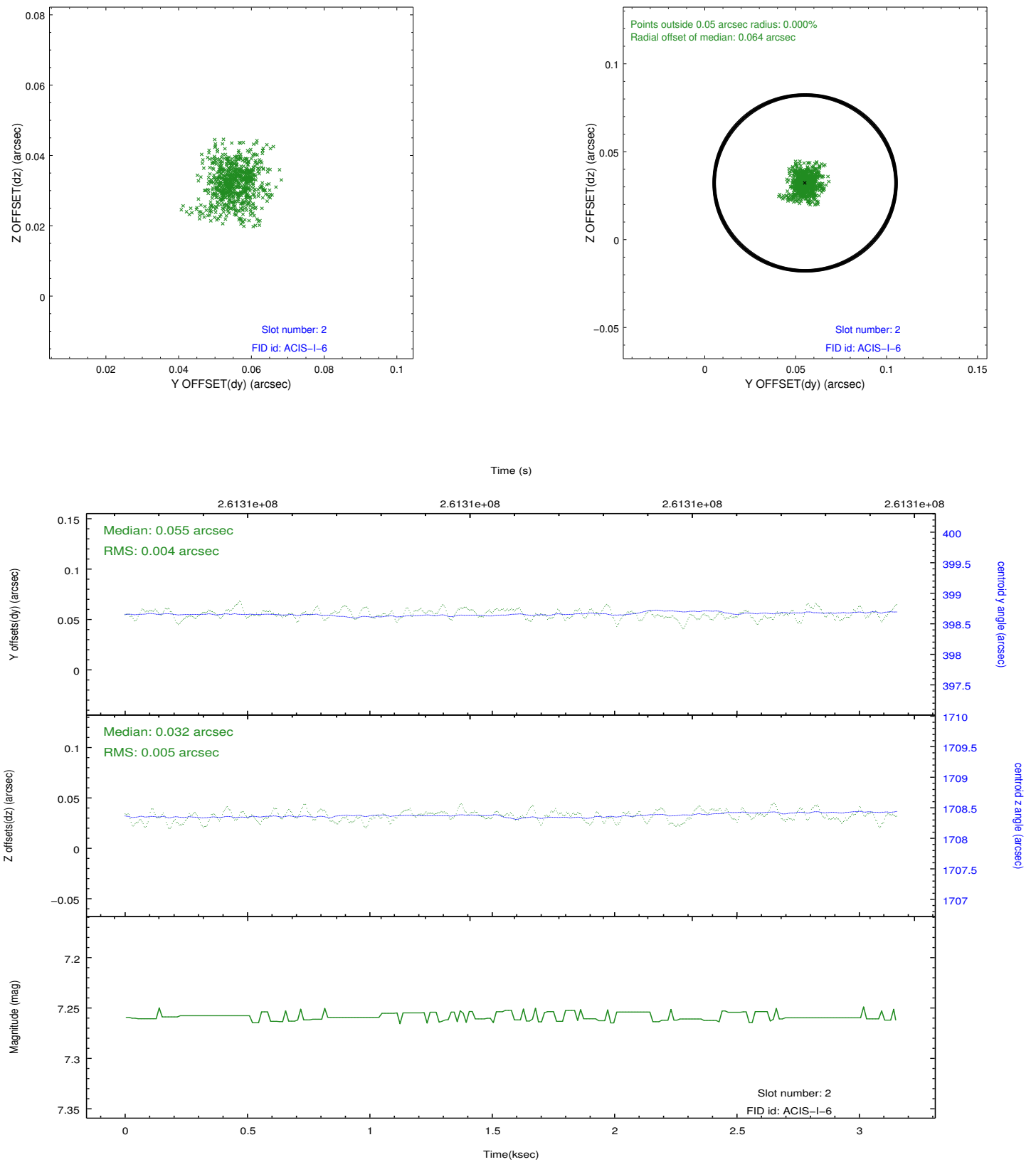
2.5.1 Slot 0



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	3.14879998

A.2 Comments