

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2083 - L2 Version 3
Chandra X-Ray Center

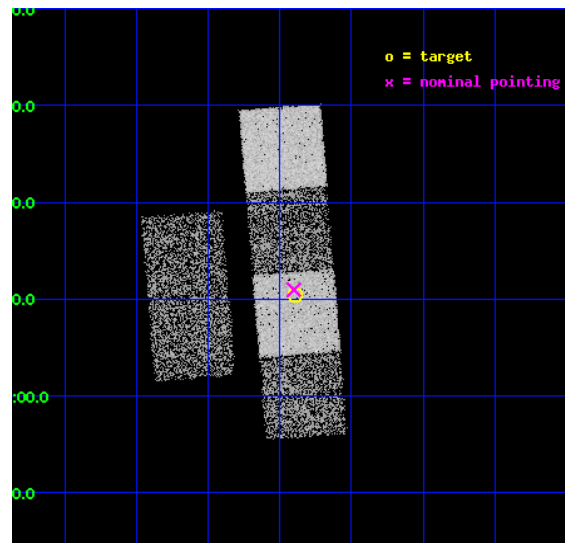
L2 Processing Date : Sep 14 2012

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1 Front

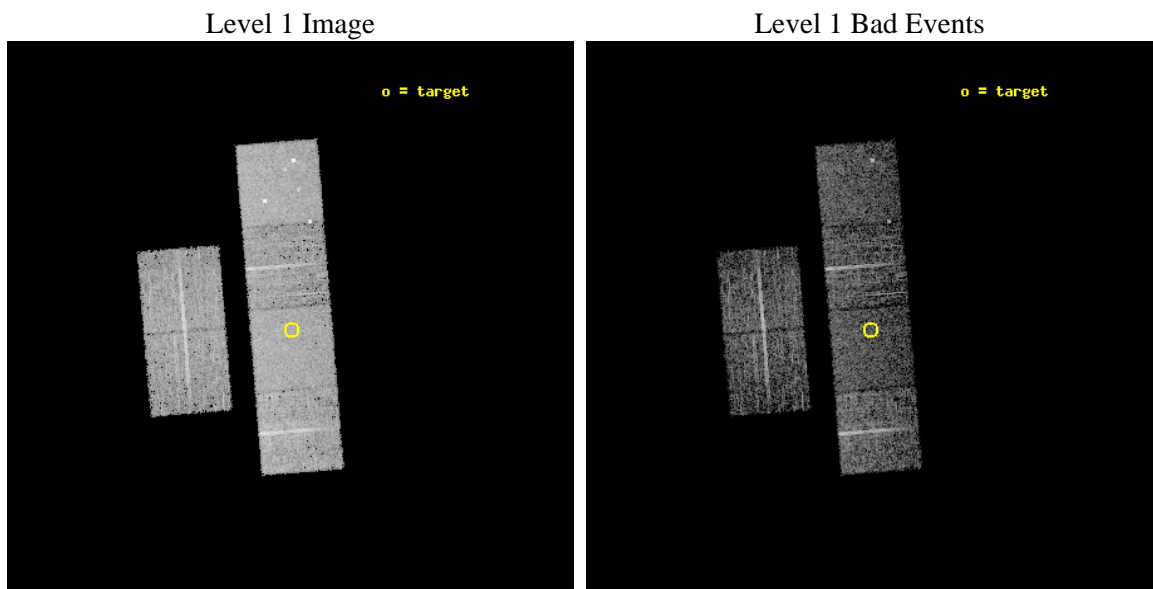
seq_num	700273	Sequence number
obs_id	2083	Observation id
title	AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS120823+001027	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.099167	Observer's specified target RA [deg]
dec_targ	0.174361	Observer's specified target Dec [deg]
ra_nom	182.10034659158	Nominal RA [deg]
dec_nom	0.18278949918469	Nominal Dec [deg]
roll_nom	85.260946087275	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4677.1433921009	Sum of GTIs [s]
livetime	4617.9185862325	Livetime [s]
ontime2	4677.1844321042	Sum of GTIs [s]
ontime3	4677.0202721059	Sum of GTIs [s]
ontime5	4677.1023520976	Sum of GTIs [s]
ontime6	4677.0613121092	Sum of GTIs [s]
ontime7	4677.1433921009	Sum of GTIs [s]
ontime8	4673.7381621599	Sum of GTIs [s]
l2events	46345	Number of level 2 events



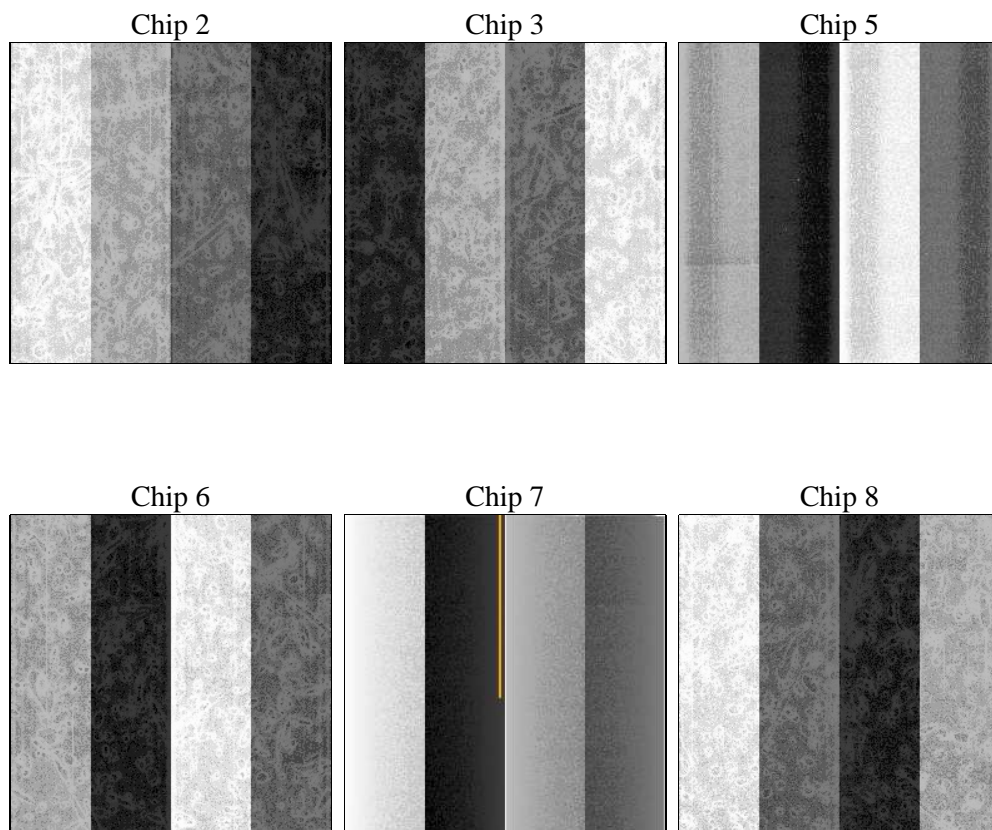
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4677.1433921009	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	4677.1844321042	Sum of GTIs [s]
date	2012-09-14T04:15:36	Date and time of file creation	ontime3	4677.0202721059	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4677.1023520976	Sum of GTIs [s]
			ontime6	4677.0613121092	Sum of GTIs [s]
			ontime7	4677.1433921009	Sum of GTIs [s]
			ontime8	4673.7381621599	Sum of GTIs [s]
			l1events	217737	Number of level 1 events

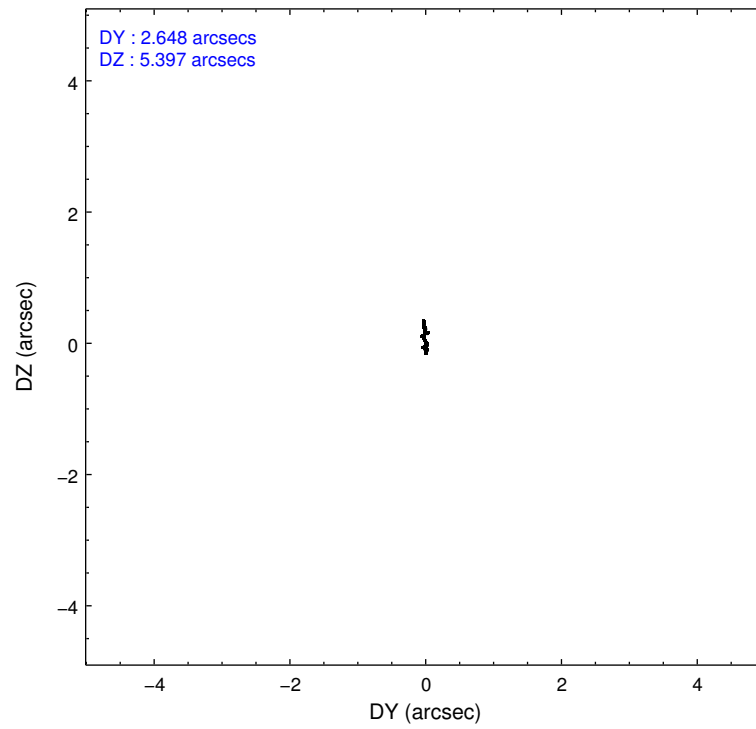
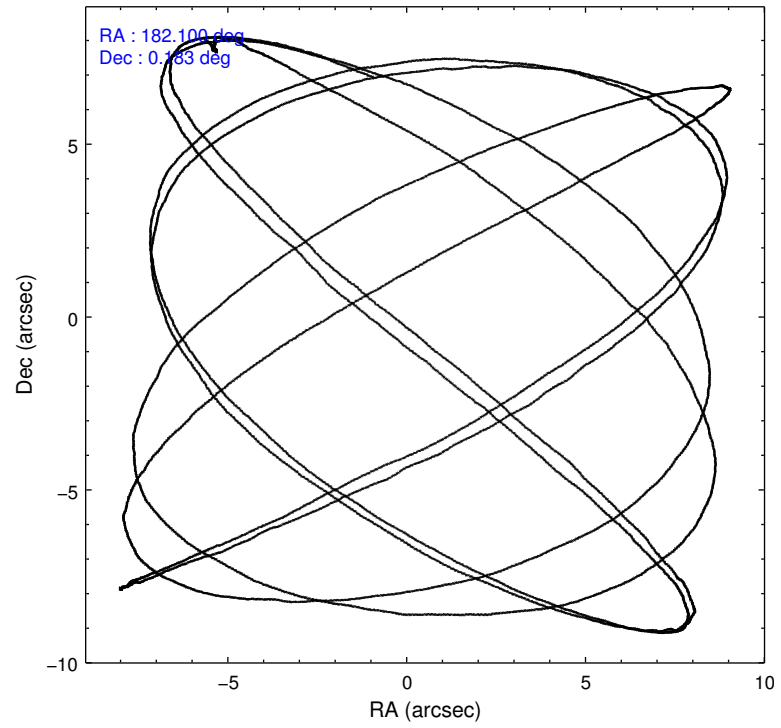
2.1.4 Events

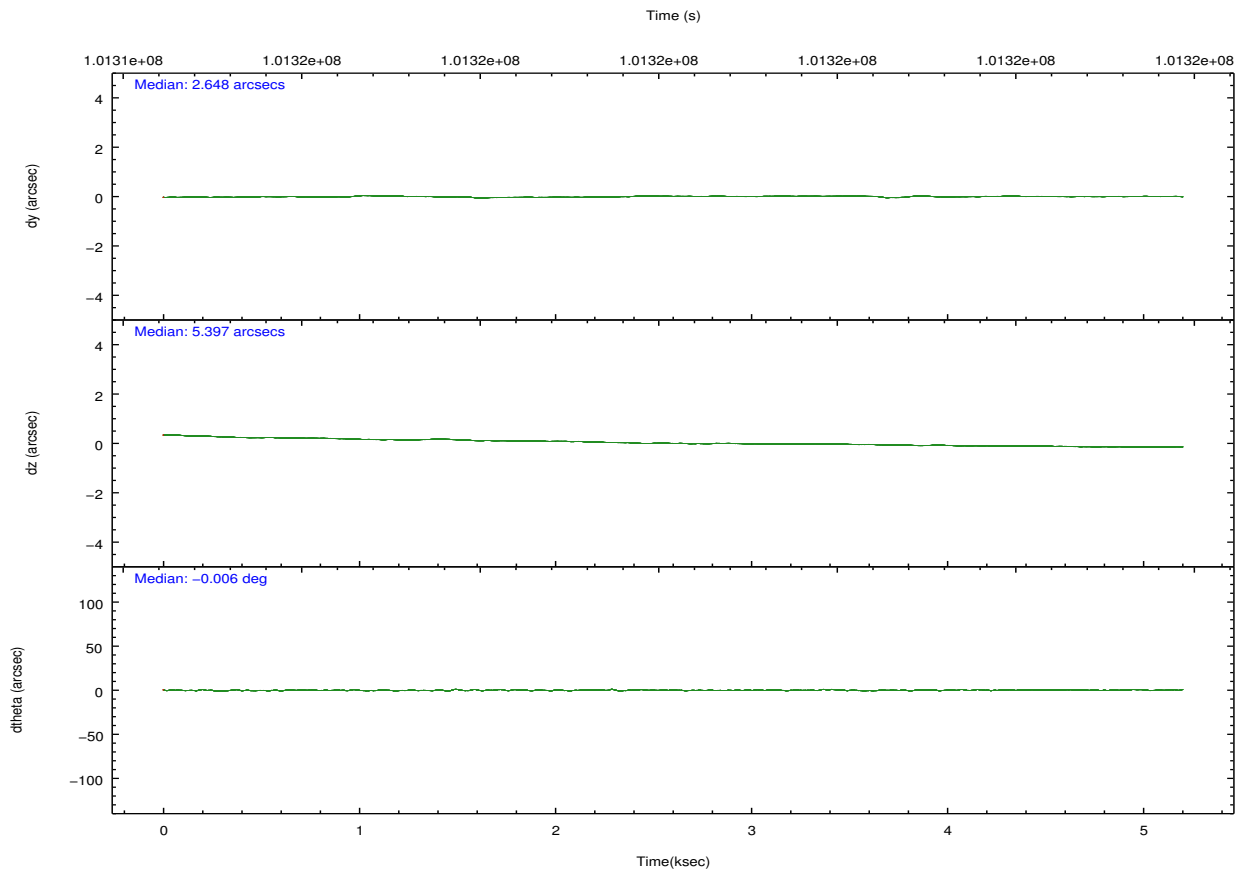
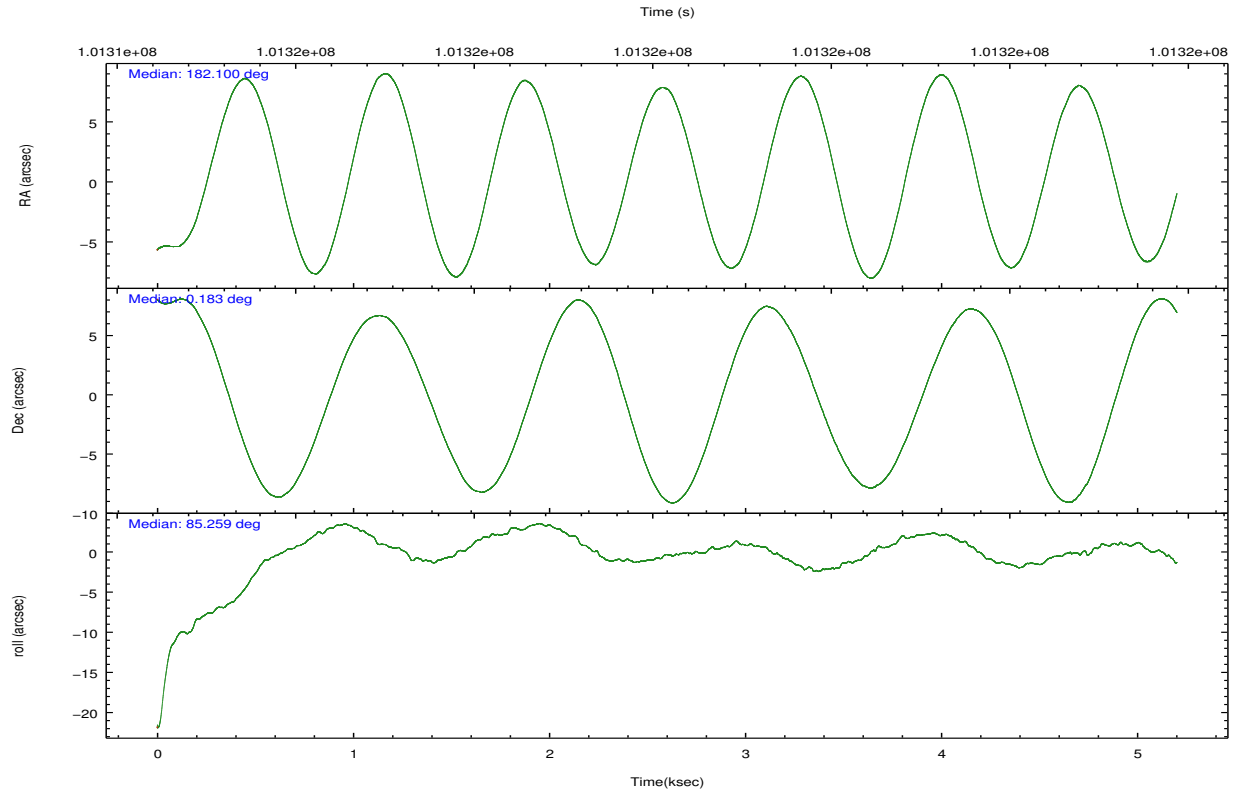
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32824	29519	45188	30594	38873	40739	grade 0 events	1367	1370	2986	1468	1546	2534
rejected events	29453	26197	24081	27035	22755	33155		4%	4%	6%	4%	3%	6%
rejected %	89%	88%	53%	88%	58%	81%	grade 1 events	15	11	178	14	38	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	780	704	6175	710	3217	1546
								2%	2%	13%	2%	8%	3%
							grade 3 events	306	324	855	360	1441	821
								0%	1%	1%	1%	3%	2%
							grade 4 events	303	322	820	319	1439	755
								0%	1%	1%	1%	3%	1%
							grade 5 events	1094	1171	3326	1247	3763	1573
								3%	3%	7%	4%	9%	3%
							grade 6 events	619	605	10299	705	8505	1932
								1%	2%	22%	2%	21%	4%
							grade 7 events	28340	25012	20549	25771	18924	31541
								86%	84%	45%	84%	48%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	182.112333	182.1003465915807	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.158132	0.1827894991846861	Alternating exposures requested	N	N
[deg] Pointing Roll	85.104289	85.26094608727547	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	101314681.184000	101313978.59372			
Observation start date	2001-03-18T14:56:57	2001-03-18T14:46:18			
[s] Observation end time (MET)	101319681.184000	101320303.86897			
Observation end date	2001-03-18T16:20:17	2001-03-18T16:31:43			
Read mode	TIMED	TIMED			

2.3 Aspect



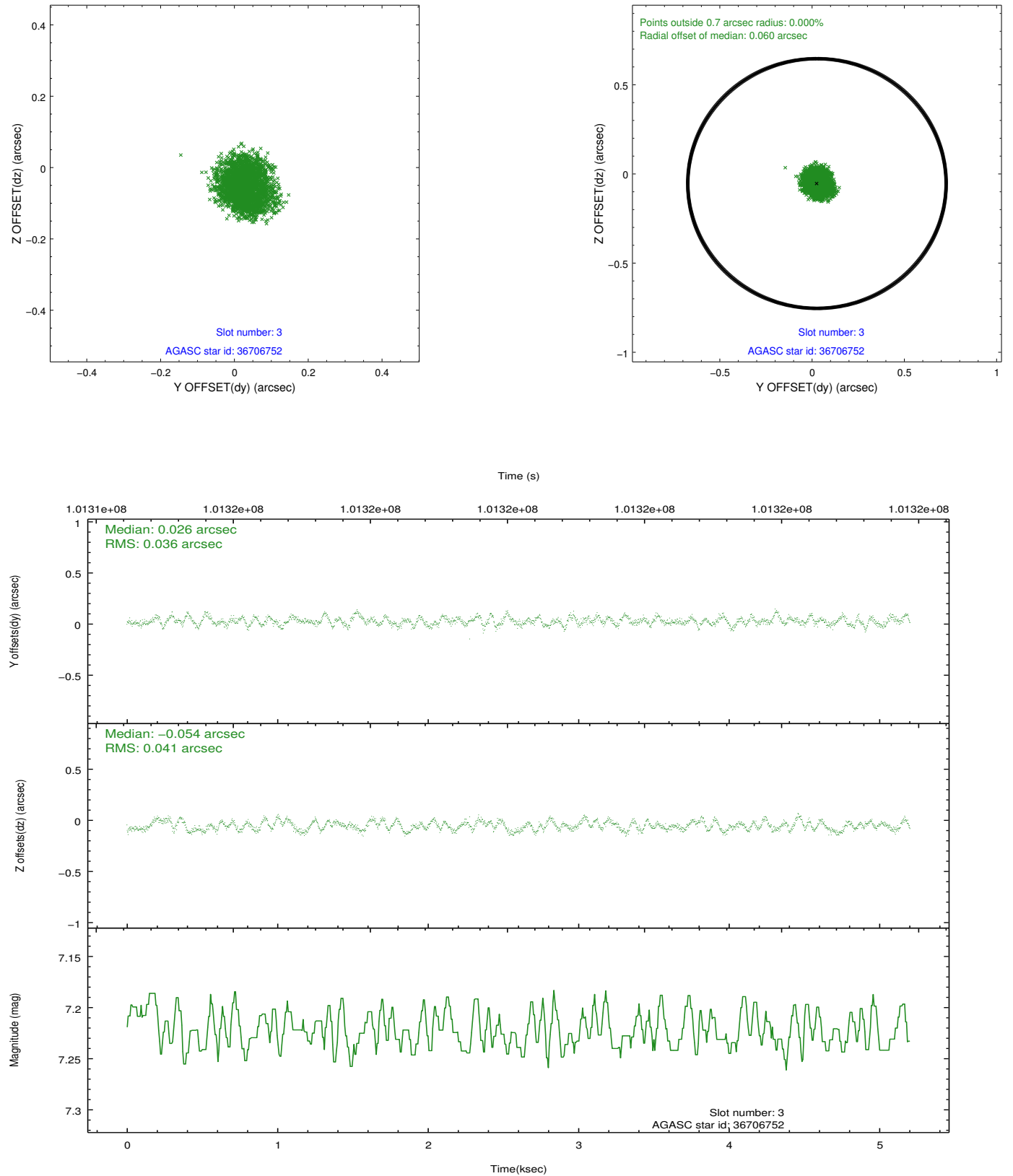


Slot Statistics

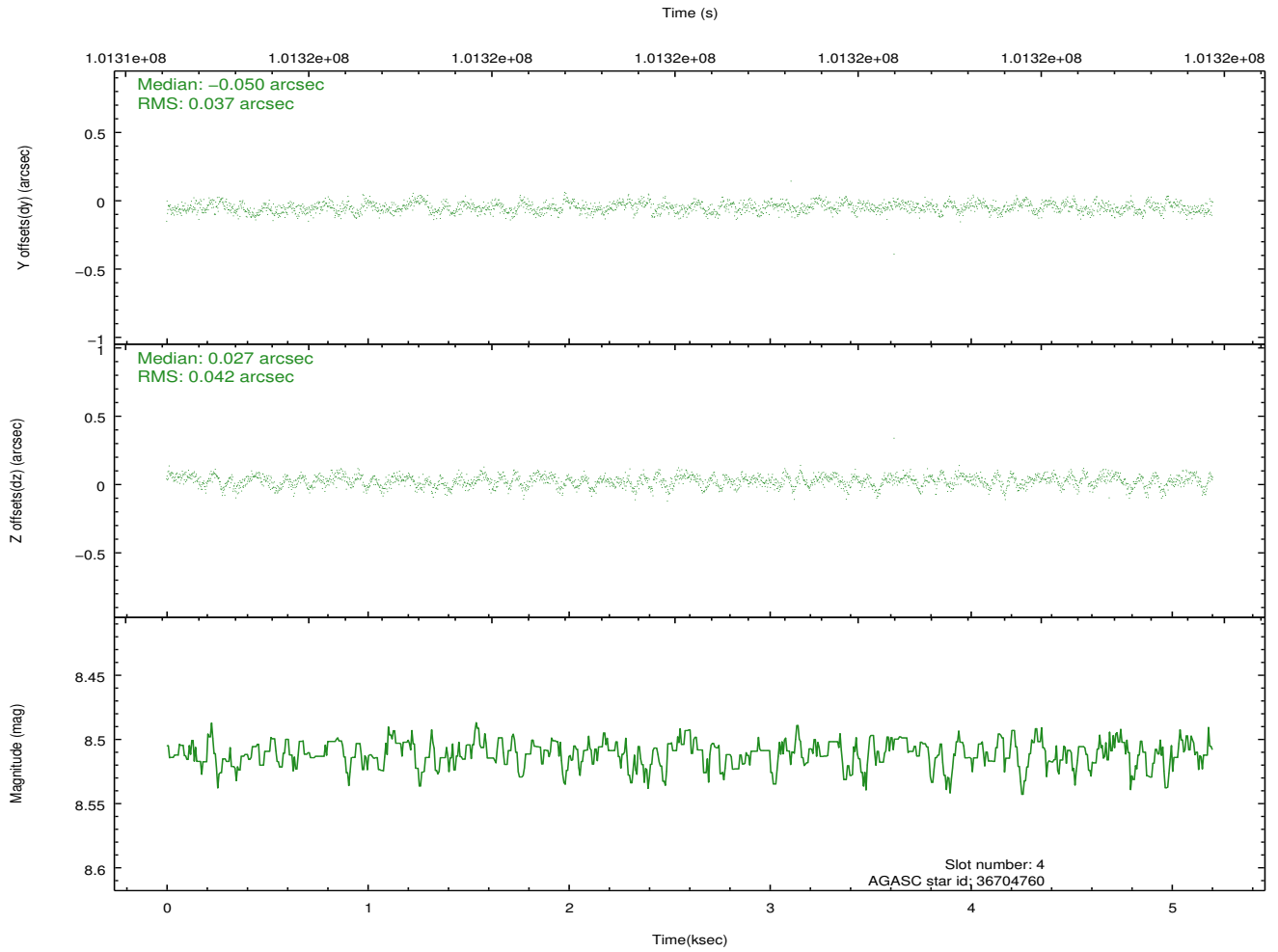
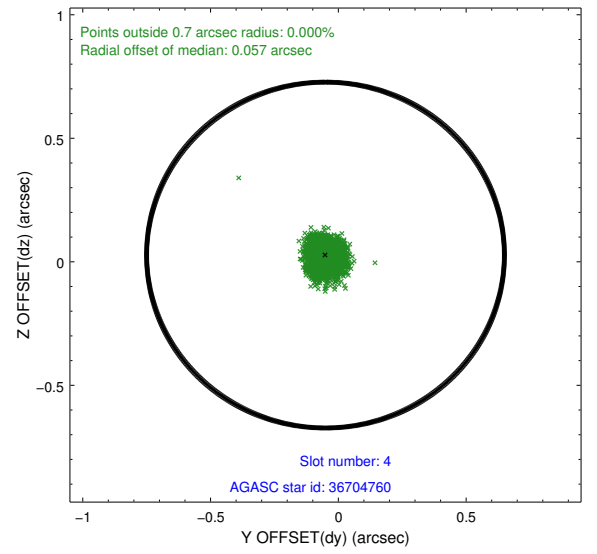
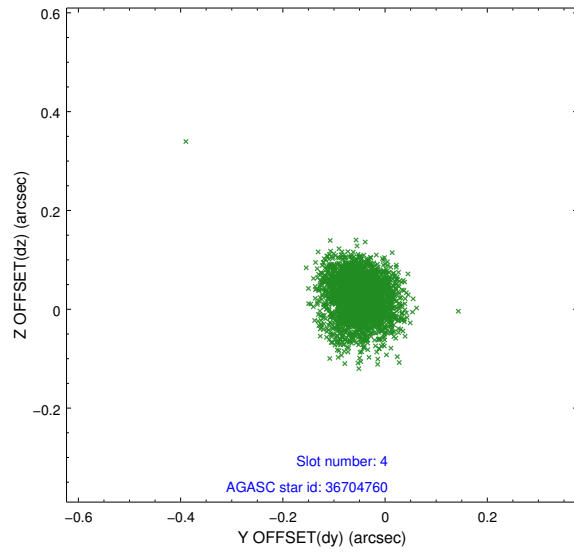
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1270	-0.034	-0.006	0.007	0.011	0.000000	0.000000	-755.26	-1726.53
1	FID	ACIS-S-4	7.20	1270	-0.021	0.018	0.006	0.010	0.000000	0.000000	2157.45	180.85
2	FID	ACIS-S-5	7.24	1270	0.025	-0.004	0.007	0.012	0.000000	0.000000	-1806.60	175.72
3	GUIDE	36706752	7.22	2539	0.026	-0.054	0.060	0.090	182.002452	0.621299	1627.44	535.87
4	GUIDE	36704760	8.51	2538	-0.050	0.027	0.060	0.095	181.817344	0.421309	853.82	1138.63
5	GUIDE	36702928	8.74	2539	-0.034	0.055	0.073	0.117	181.676609	0.274116	282.28	1598.54
6	GUIDE	647502368	9.11	2538	-0.039	0.112	0.084	0.133	182.712996	-0.444474	-1976.96	-2339.57
7	GUIDE	647366016	9.42	2537	0.095	-0.139	0.076	0.122	182.032410	-0.398174	-2020.72	114.09

2.4 Star Slots

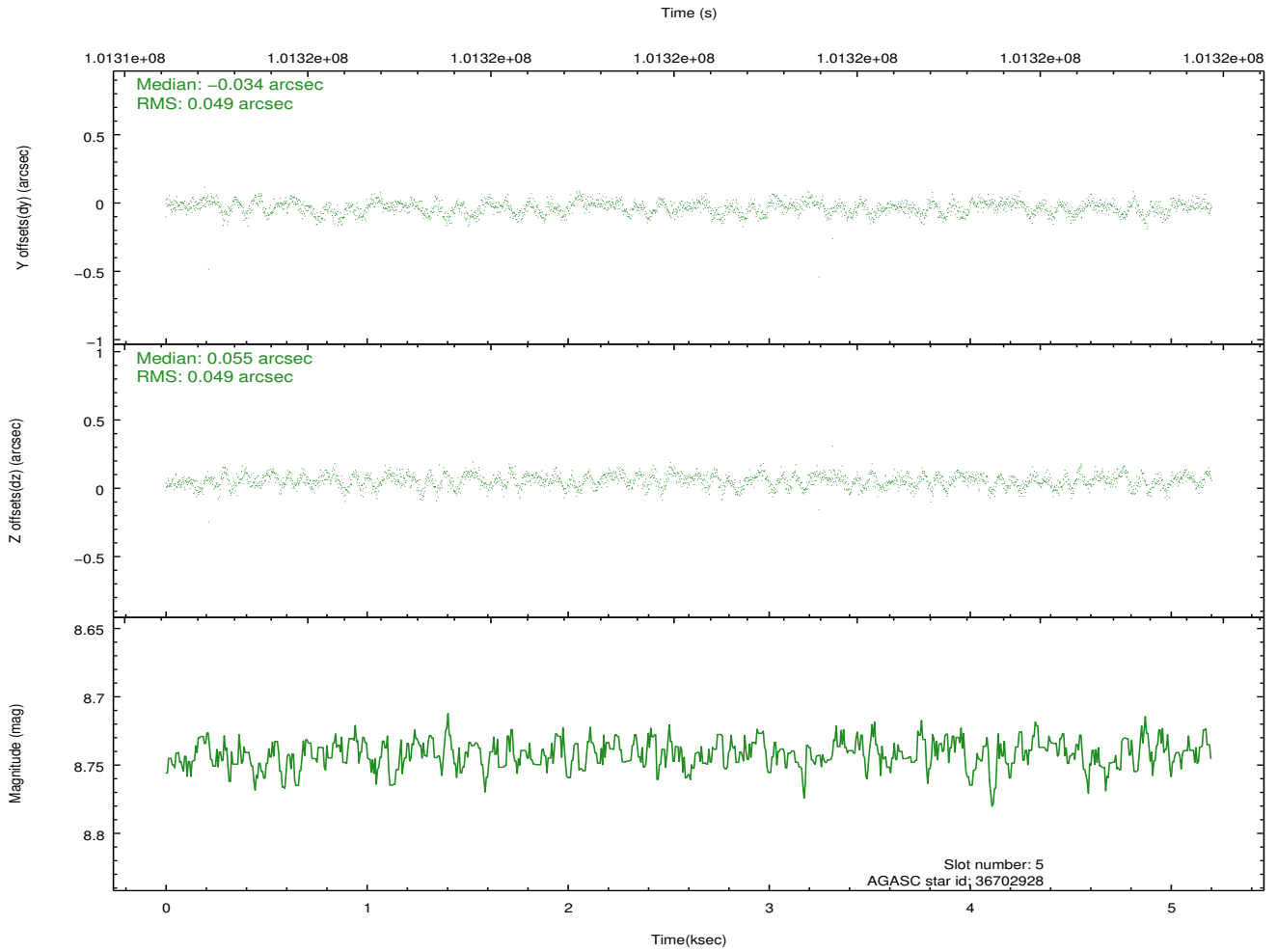
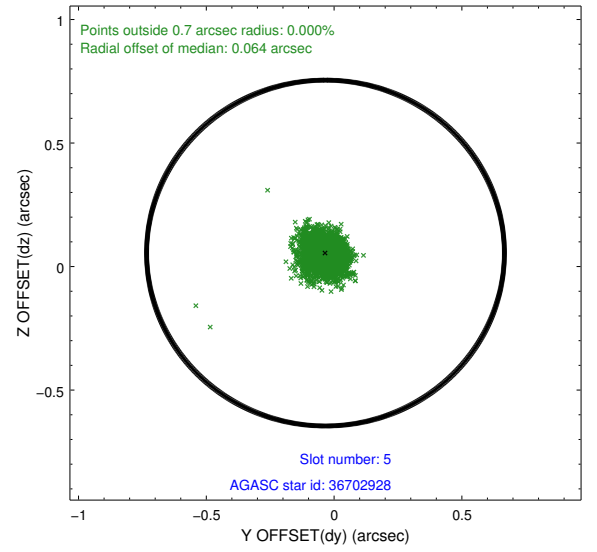
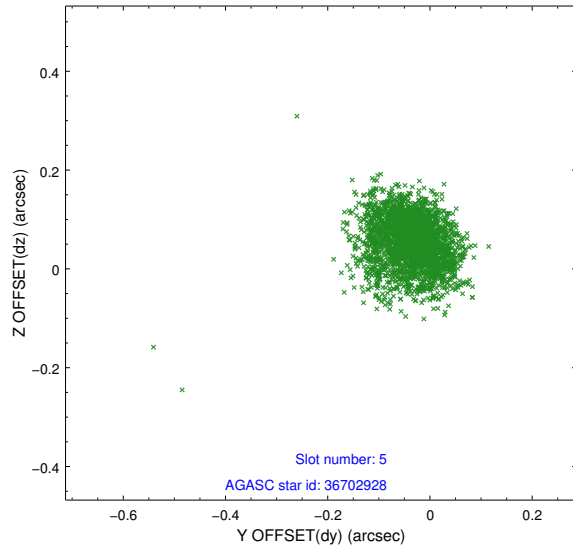
2.4.1 Slot 3



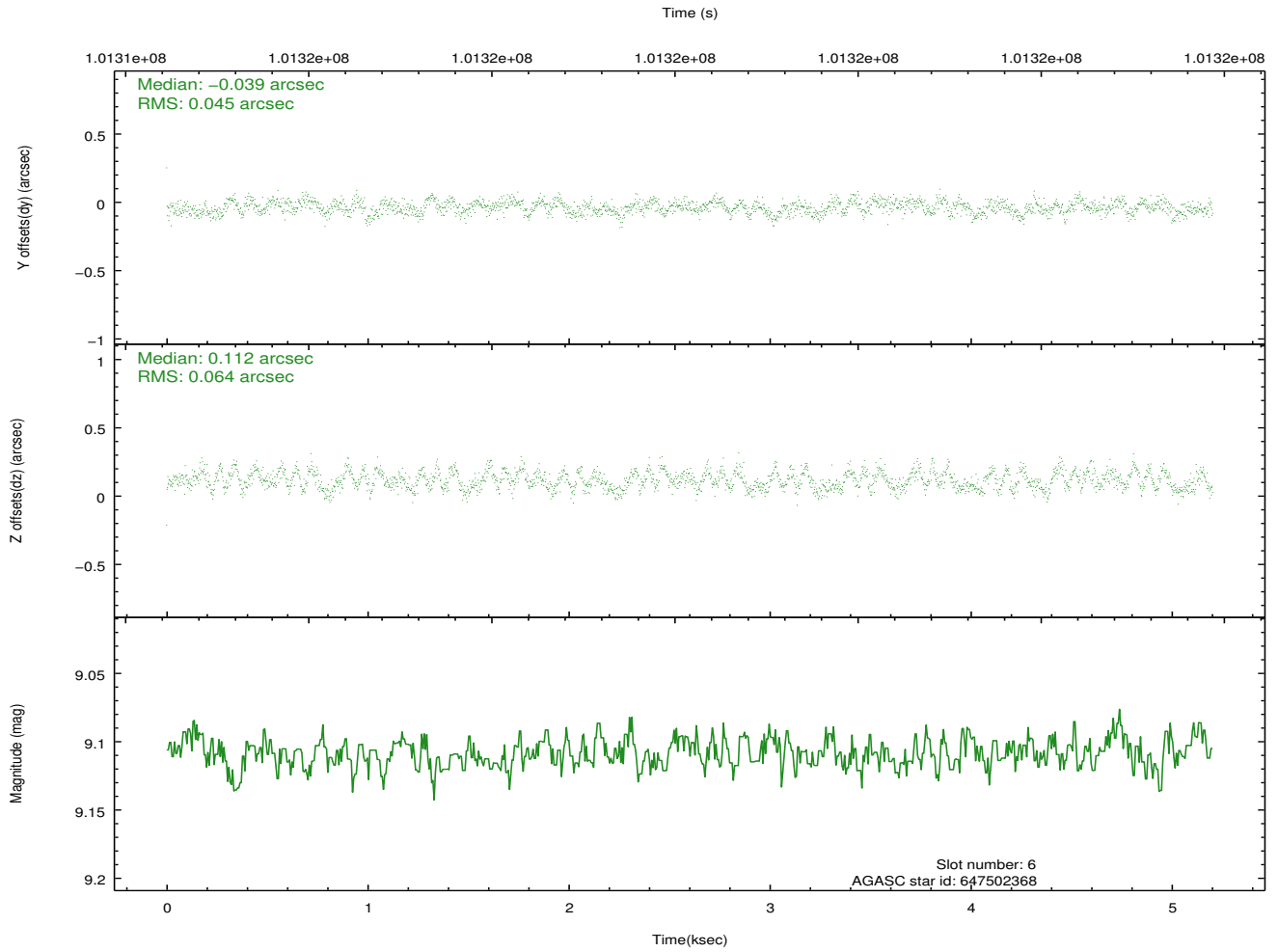
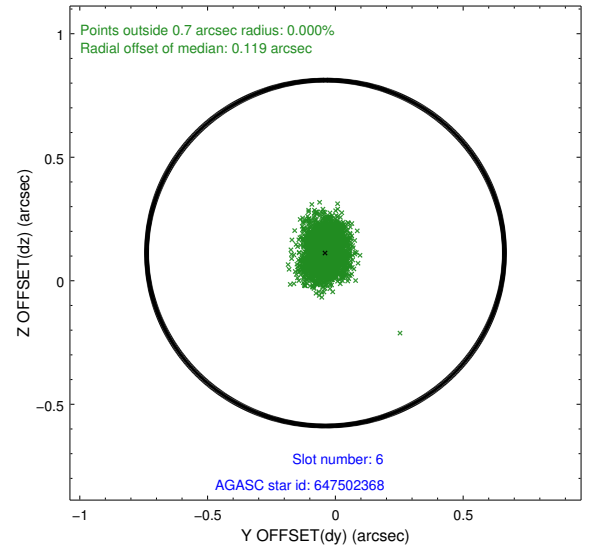
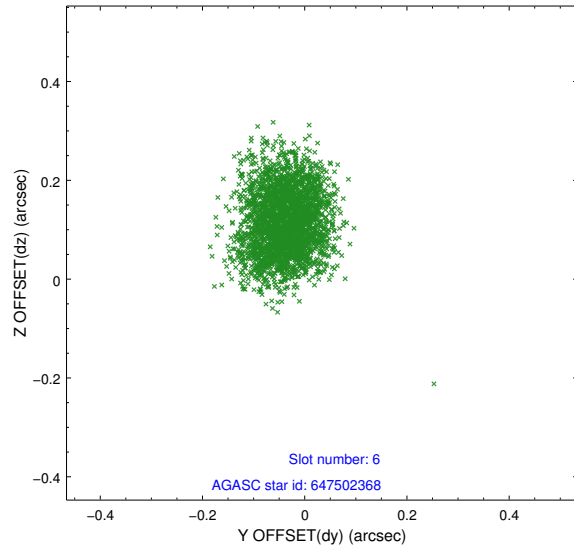
2.4.2 Slot 4



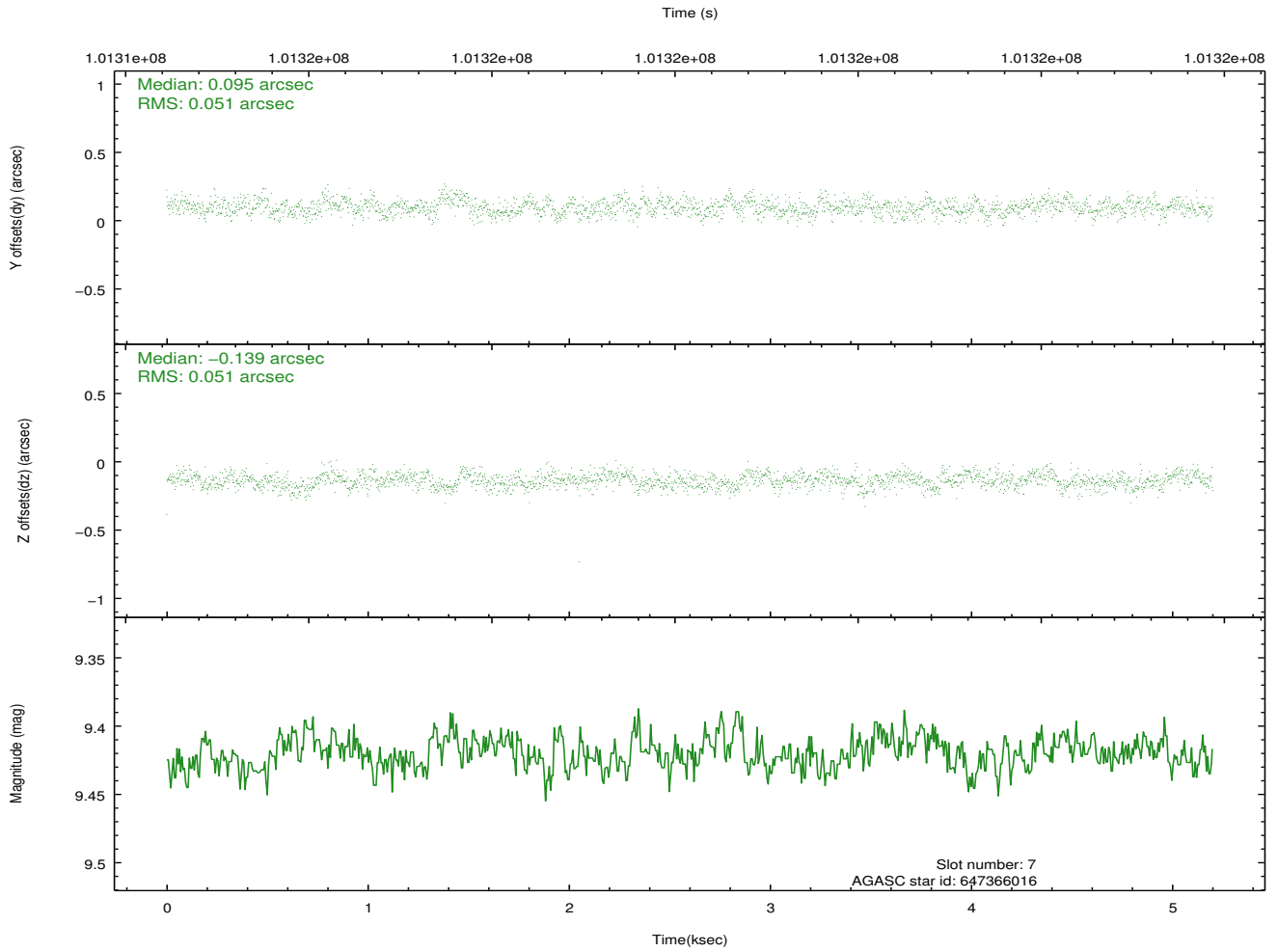
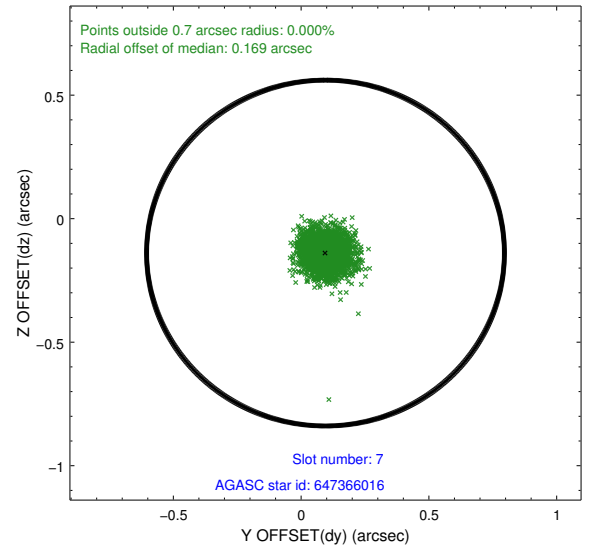
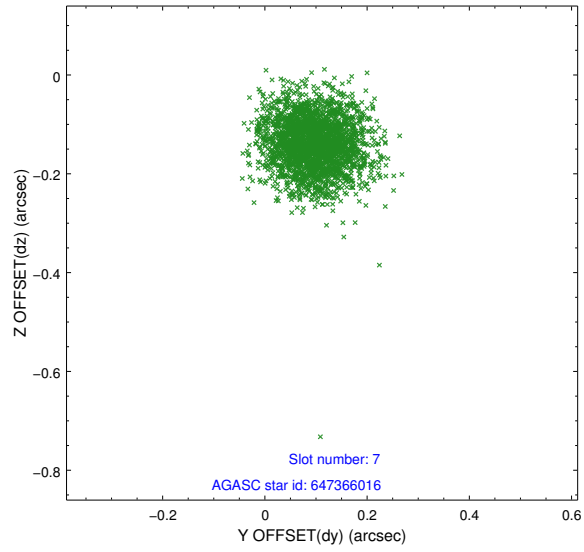
2.4.3 Slot 5



2.4.4 Slot 6

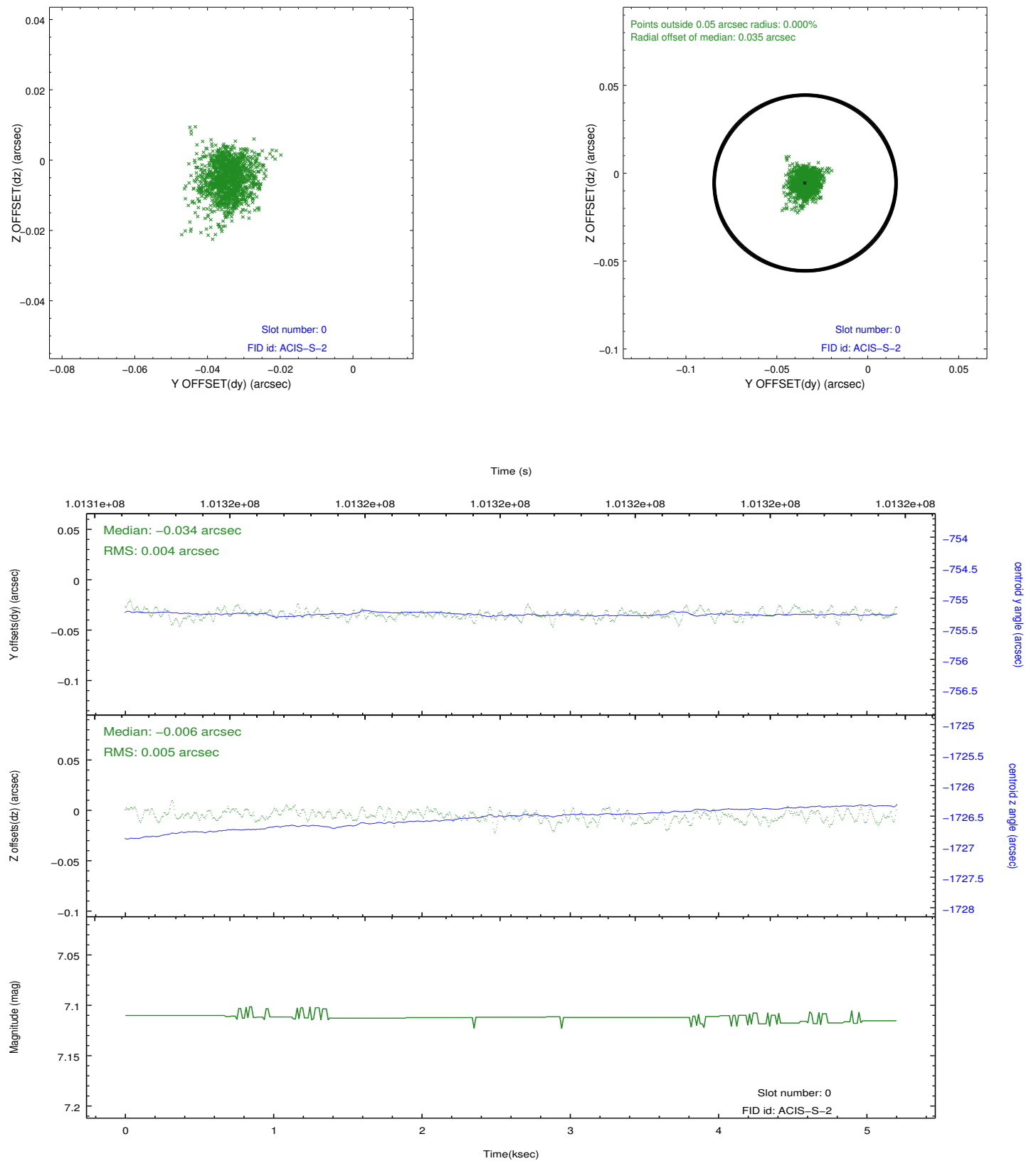


2.4.5 Slot 7

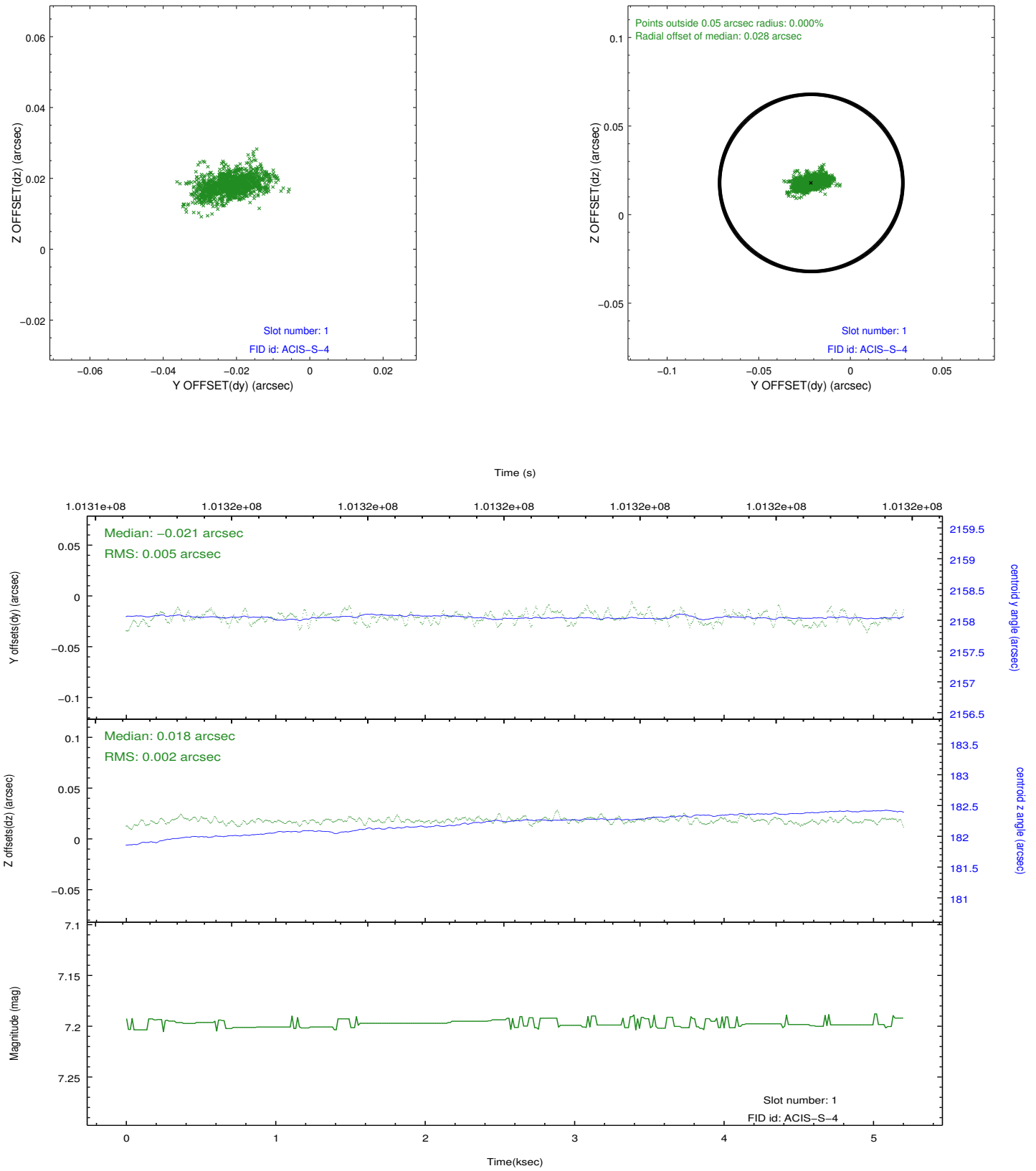


2.5 FID Slots

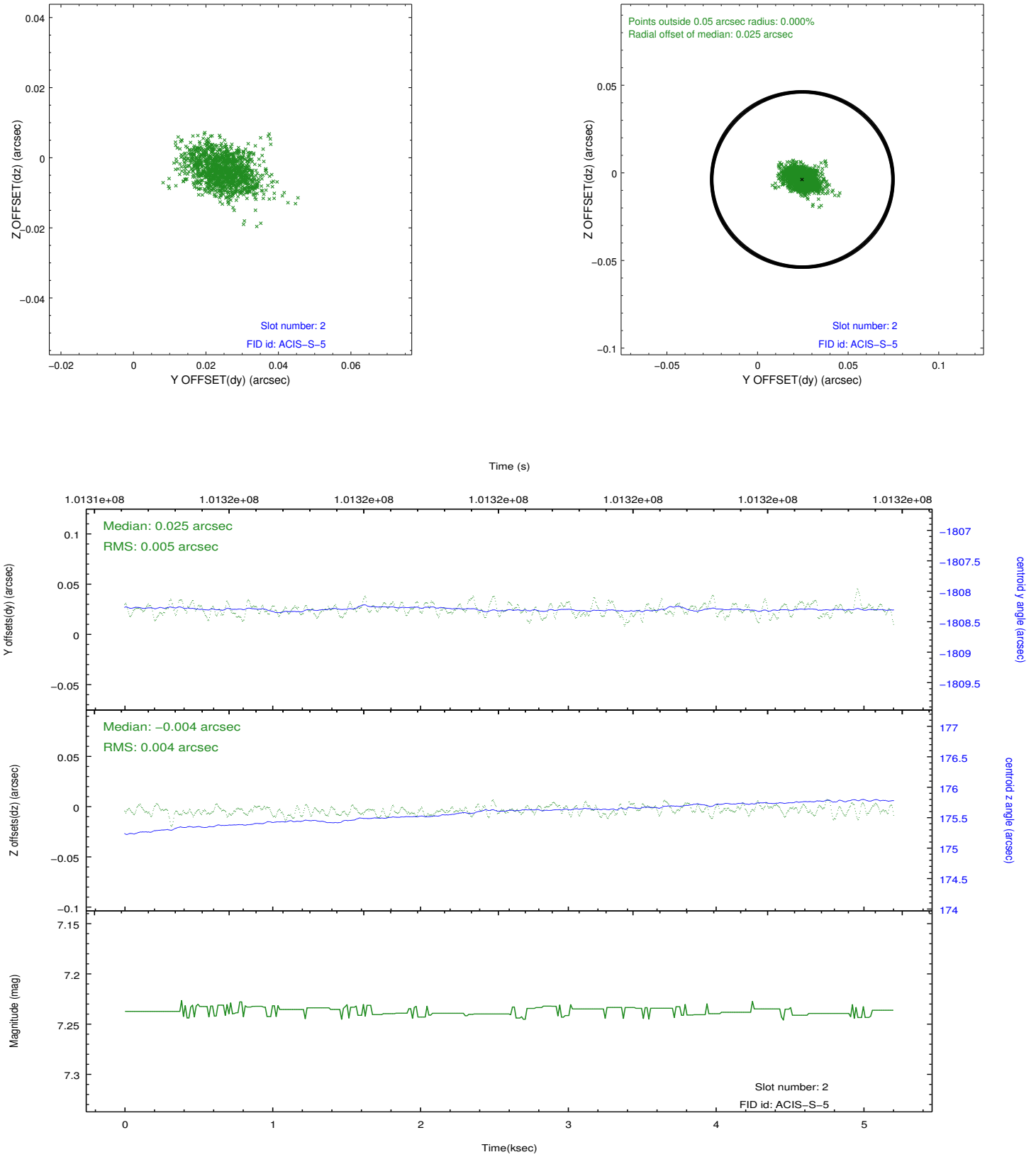
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.678

A.2 Comments