

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13167 - L2 Version 2
Chandra X-Ray Center

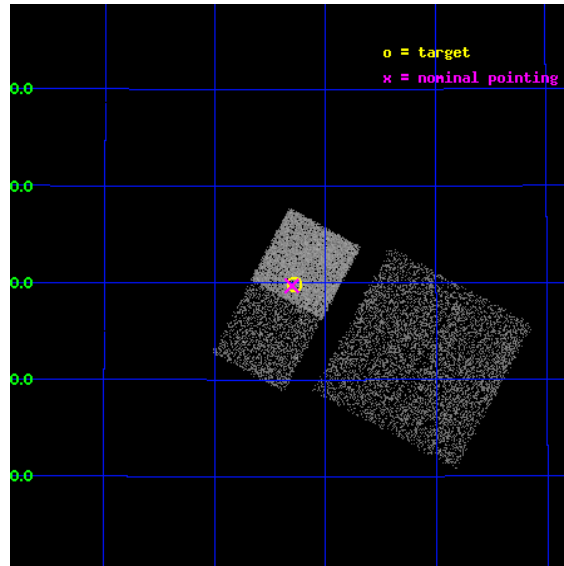
L2 Processing Date : Jul 6 2012

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1 Front

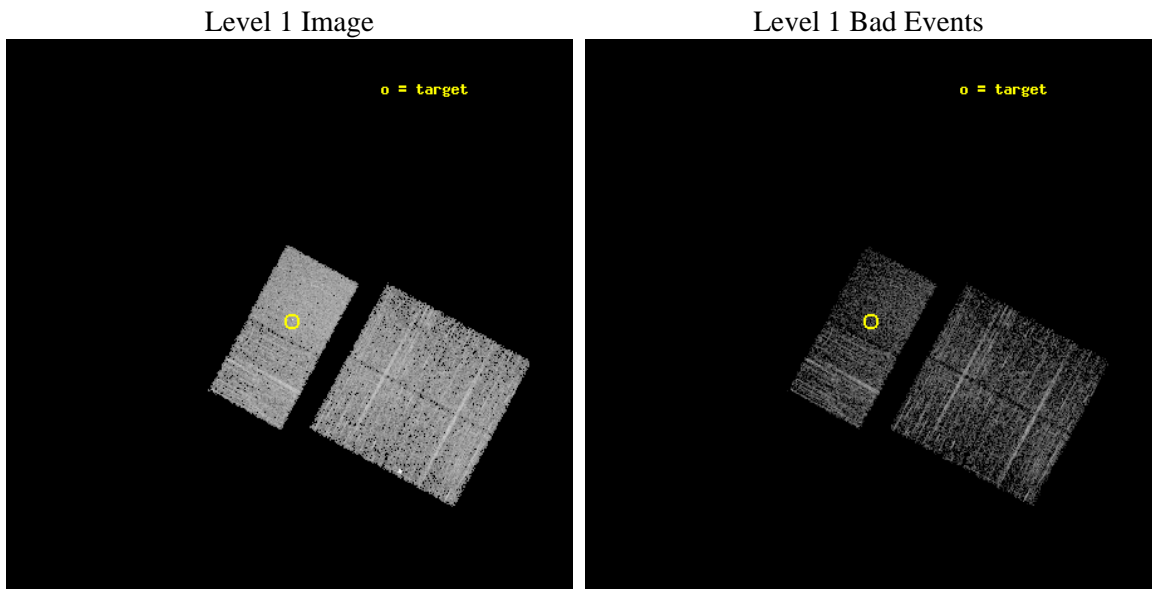
seq_num	401287	Sequence number
obs_id	13167	Observation id
title	Confirming the low-mass X-ray binaries in the Kepler field	Proposa
observer	Dr Jifeng Liu	Principal investigator
object	J191016.9+392951	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.570417	Observer's specified target RA [deg]
dec_targ	39.4975	Observer's specified target Dec [deg]
ra_nom	287.57603974598	Nominal RA [deg]
dec_nom	39.49512558037	Nominal Dec [deg]
roll_nom	298.43086838181	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2959.9999890327	Sum of GTIs [s]
livetime	2922.5186868736	Livetime [s]
ontime0	2959.9999890327	Sum of GTIs [s]
ontime1	2959.9999890327	Sum of GTIs [s]
ontime2	2959.9999890327	Sum of GTIs [s]
ontime3	2959.9999890327	Sum of GTIs [s]
ontime6	2959.9999890327	Sum of GTIs [s]
ontime7	2959.9999890327	Sum of GTIs [s]
l2events	21881	Number of level 2 events



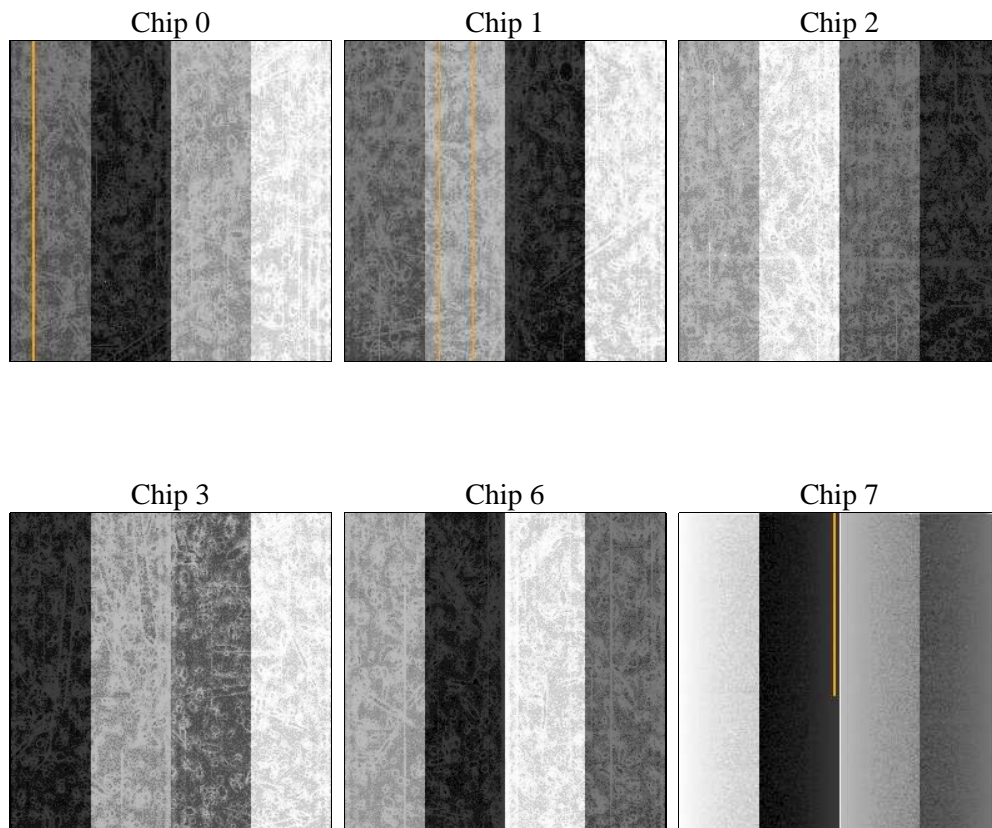
2 OBI

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	8.4.5	Processing system revision	ontime	2959.9999890327	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	2959.9999890327	Sum of GTIs [s]
date	2012-07-06T12:27:28	Date and time of file creation	ontime1	2959.9999890327	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2959.9999890327	Sum of GTIs [s]
			ontime3	2959.9999890327	Sum of GTIs [s]
			ontime6	2959.9999890327	Sum of GTIs [s]
			ontime7	2959.9999890327	Sum of GTIs [s]
			l1events	131183	Number of level 1 events

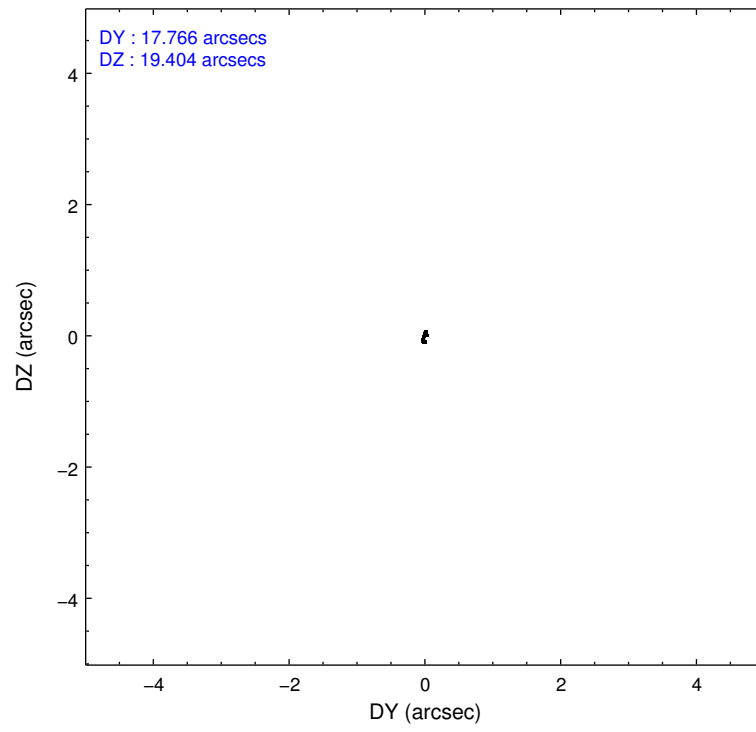
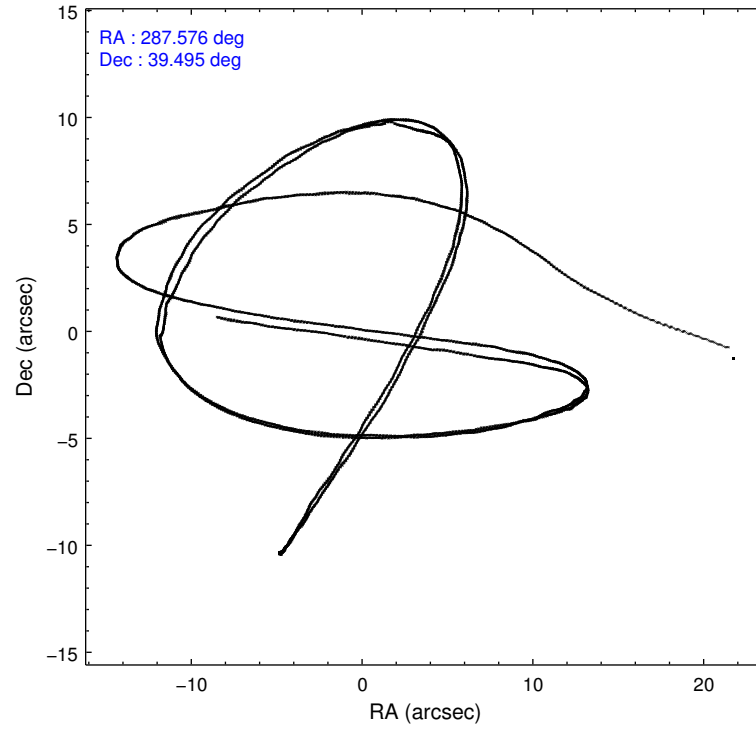
2.1.4 Events

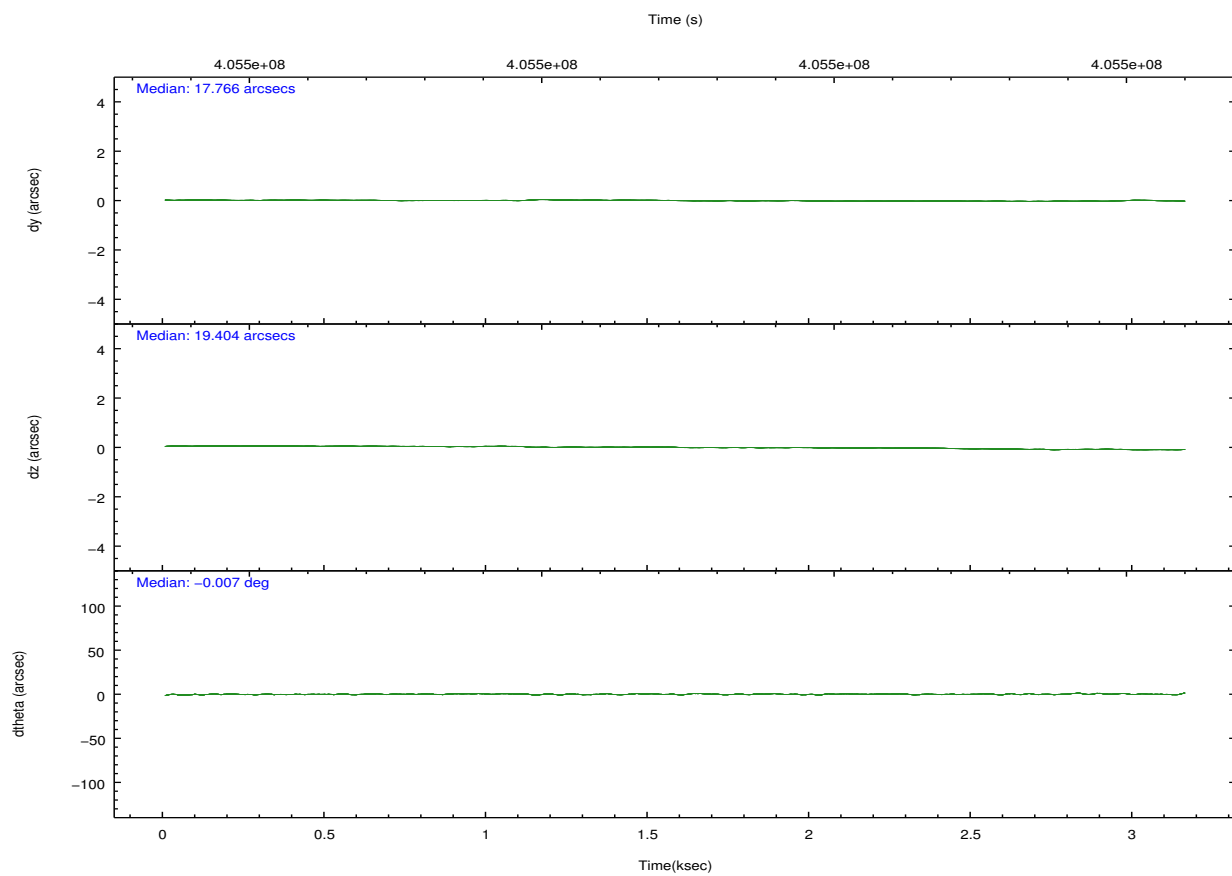
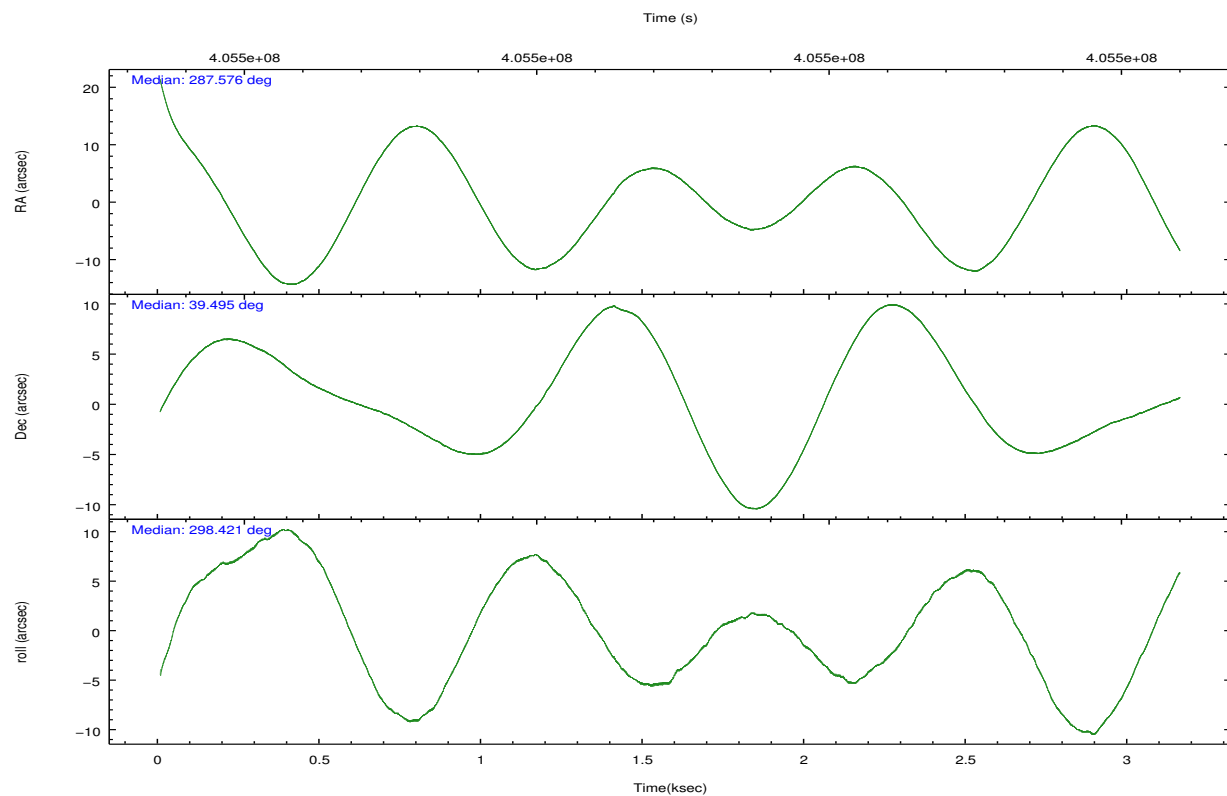
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	22012	19056	21080	19888	22824	26323	grade 0 events	1735	957	788	796	902	1152
rejected events	18656	16404	18819	17665	20319	14281		7%	5%	3%	4%	3%	4%
rejected %	84%	86%	89%	88%	89%	54%	grade 1 events	23	11	12	7	17	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	596	606	554	455	546	2497
								2%	3%	2%	2%	2%	9%
							grade 3 events	244	287	213	252	310	1039
								1%	1%	1%	1%	1%	3%
							grade 4 events	270	264	234	258	228	1035
								1%	1%	1%	1%	0%	3%
							grade 5 events	888	964	839	994	962	2719
								4%	5%	3%	4%	4%	10%
							grade 6 events	520	541	472	464	521	6336
								2%	2%	2%	2%	2%	24%
							grade 7 events	17736	15426	17968	16662	19338	11521
								80%	80%	85%	83%	84%	43%

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	287.545410	287.5760397459809	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.509069	39.49512558037001	Alternating exposures requested	N	N
[deg] Pointing Roll	298.293737	298.4308683818074	[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)	405500036.184000	405498434.54124			
Observation start date	2010-11-07T06:52:50	2010-11-07T06:27:14			
[s] Observation end time (MET)	405503036.184000	405503389.39149			
Observation end date	2010-11-07T07:42:50	2010-11-07T07:49:49			
Read mode	TIMED	TIMED			

2.3 Aspect



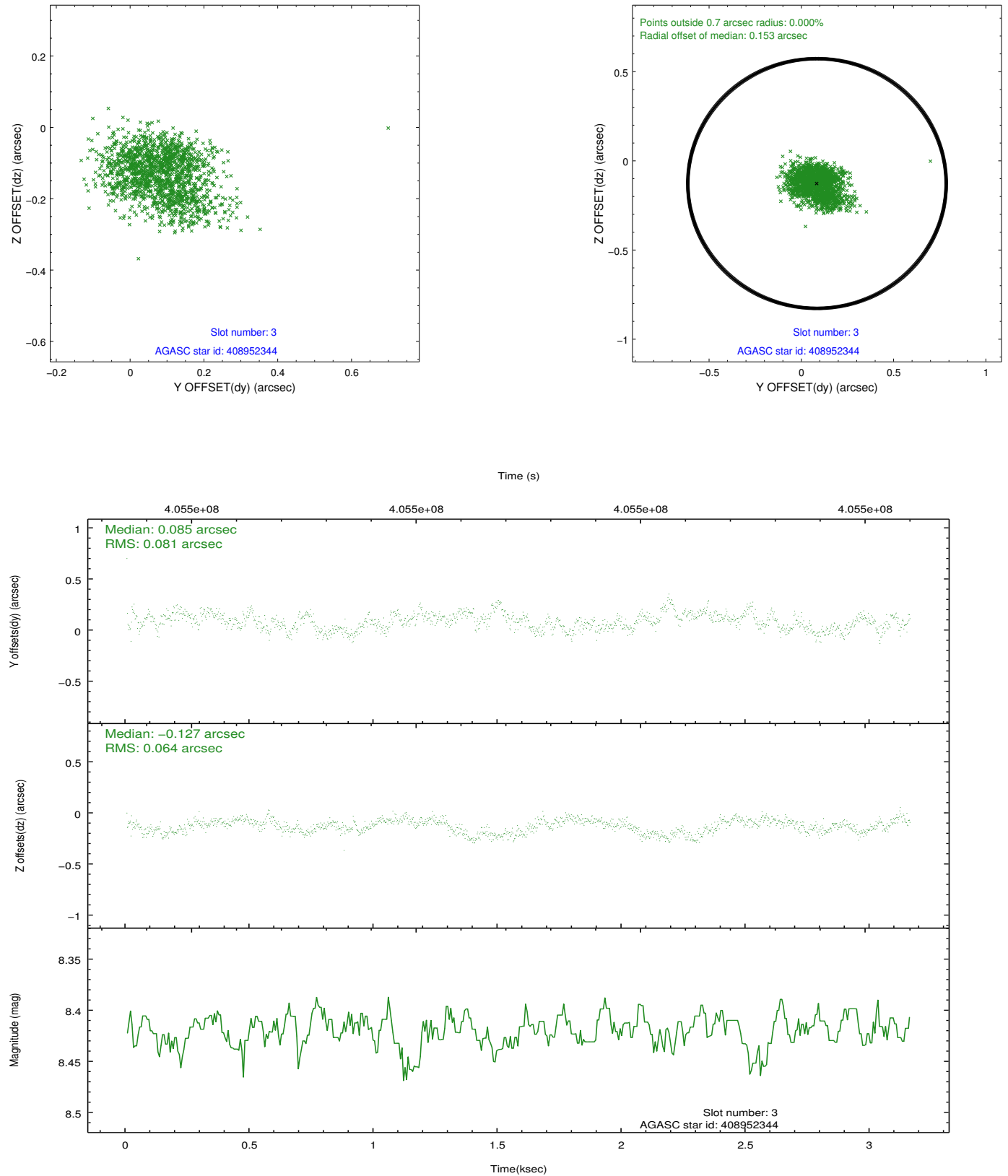


Slot Statistics

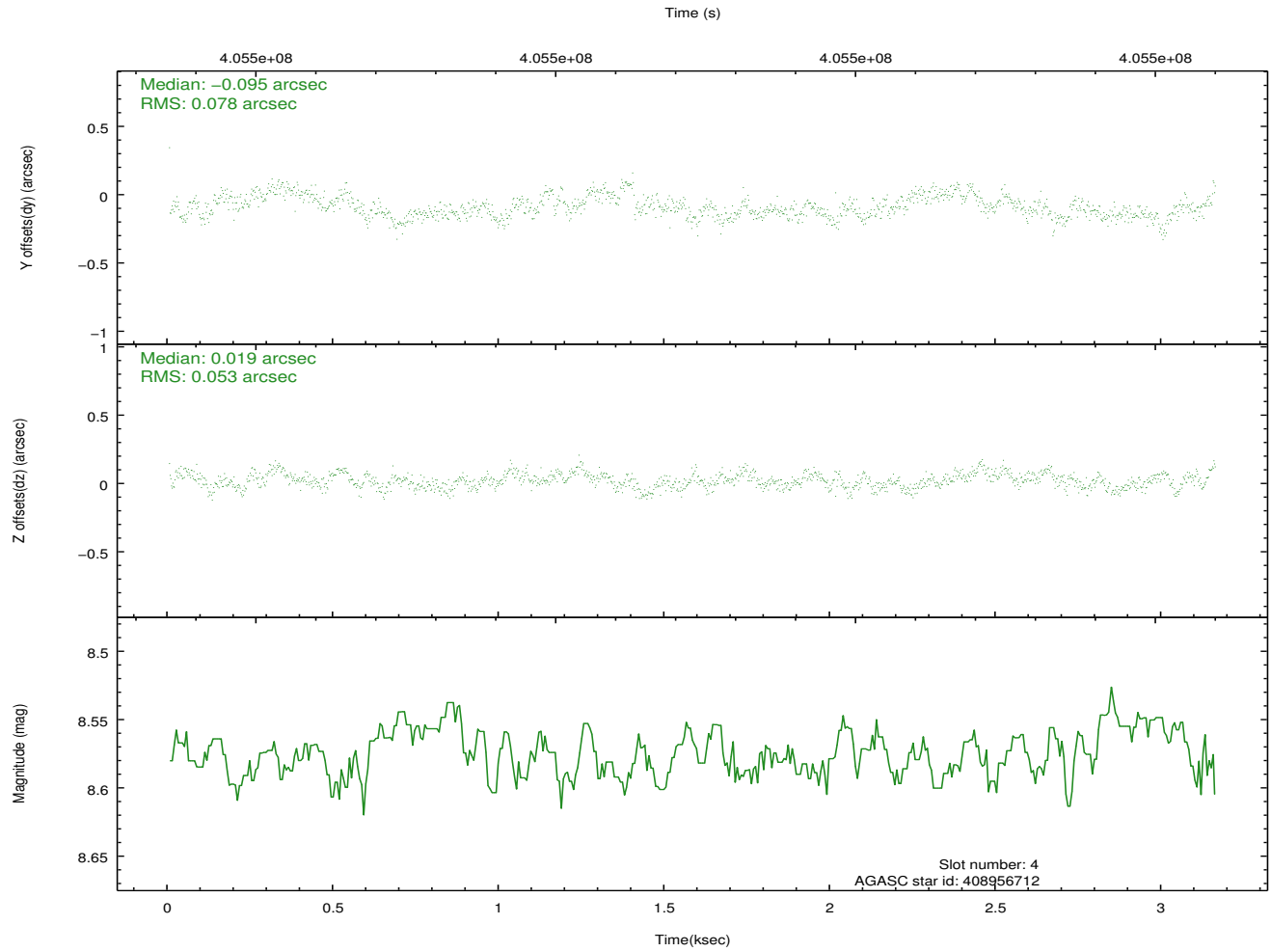
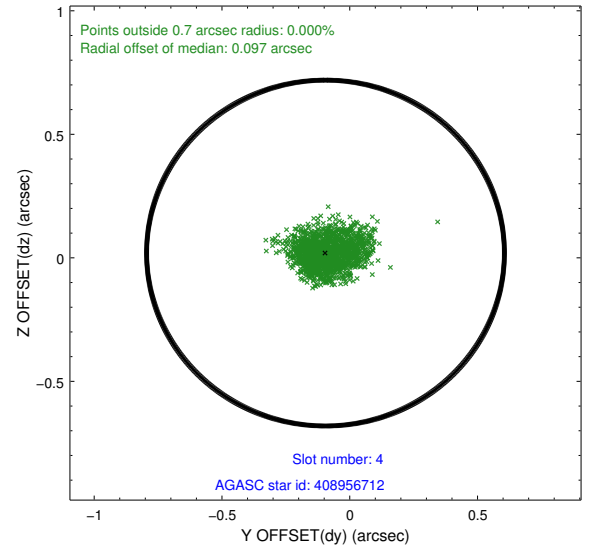
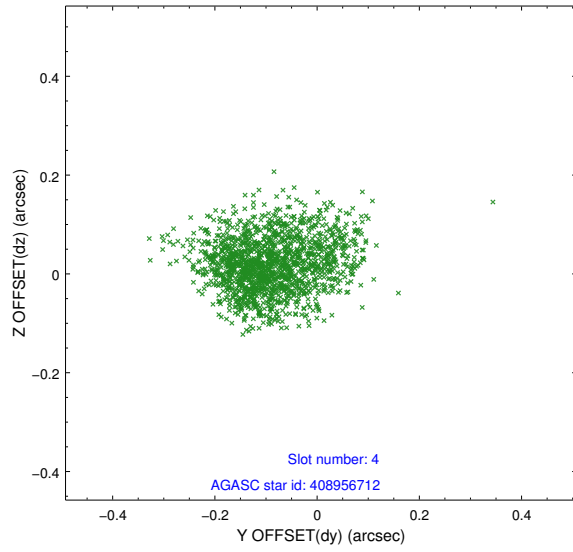
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	770	0.087	-0.033	0.006	0.011	0.000000	0.000000	925.36	-1736.49
1	FID	ACIS-S-5	7.02	770	-0.139	0.064	0.006	0.010	0.000000	0.000000	-1822.79	159.01
2	FID	ACIS-S-6	7.11	770	0.031	-0.019	0.006	0.011	0.000000	0.000000	388.60	805.22
3	GUIDE	408952344	8.42	1541	0.085	-0.127	0.108	0.169	287.361813	38.714020	2275.96	-1810.40
4	GUIDE	408956712	8.58	1538	-0.095	0.019	0.100	0.163	287.258096	38.899853	1550.89	-1749.22
5	GUIDE	409077064	8.09	1541	0.187	0.027	0.217	0.329	287.695034	38.905466	2113.35	-661.97
6	GUIDE	409614696	7.01	1540	-0.079	0.119	0.094	0.154	287.950192	39.957087	-892.11	1748.39
7	GUIDE	409616928	8.56	1540	-0.058	-0.023	0.085	0.142	288.235161	39.647684	459.96	1923.75

2.4 Star Slots

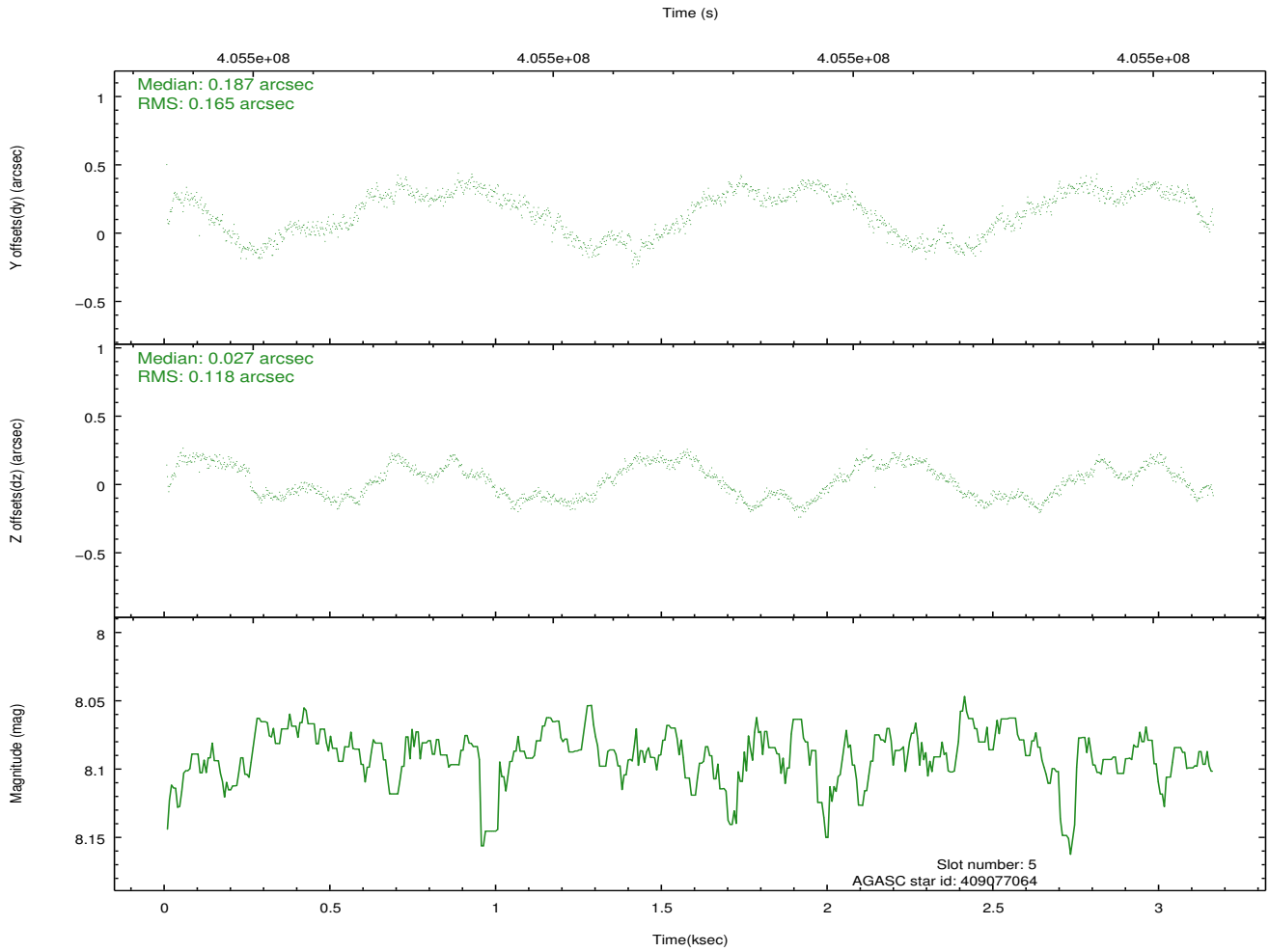
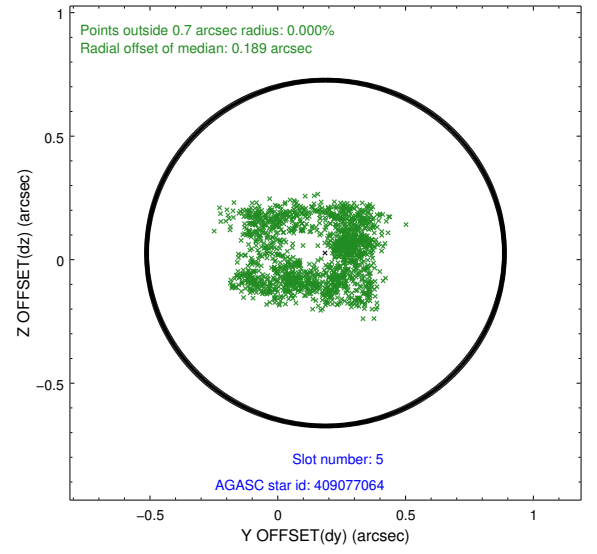
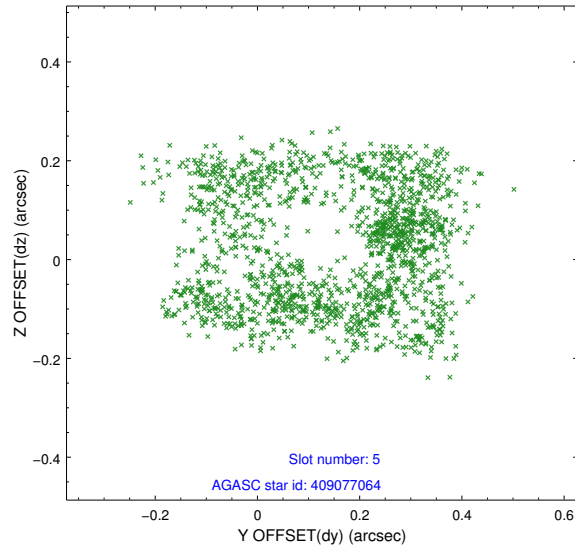
2.4.1 Slot 3



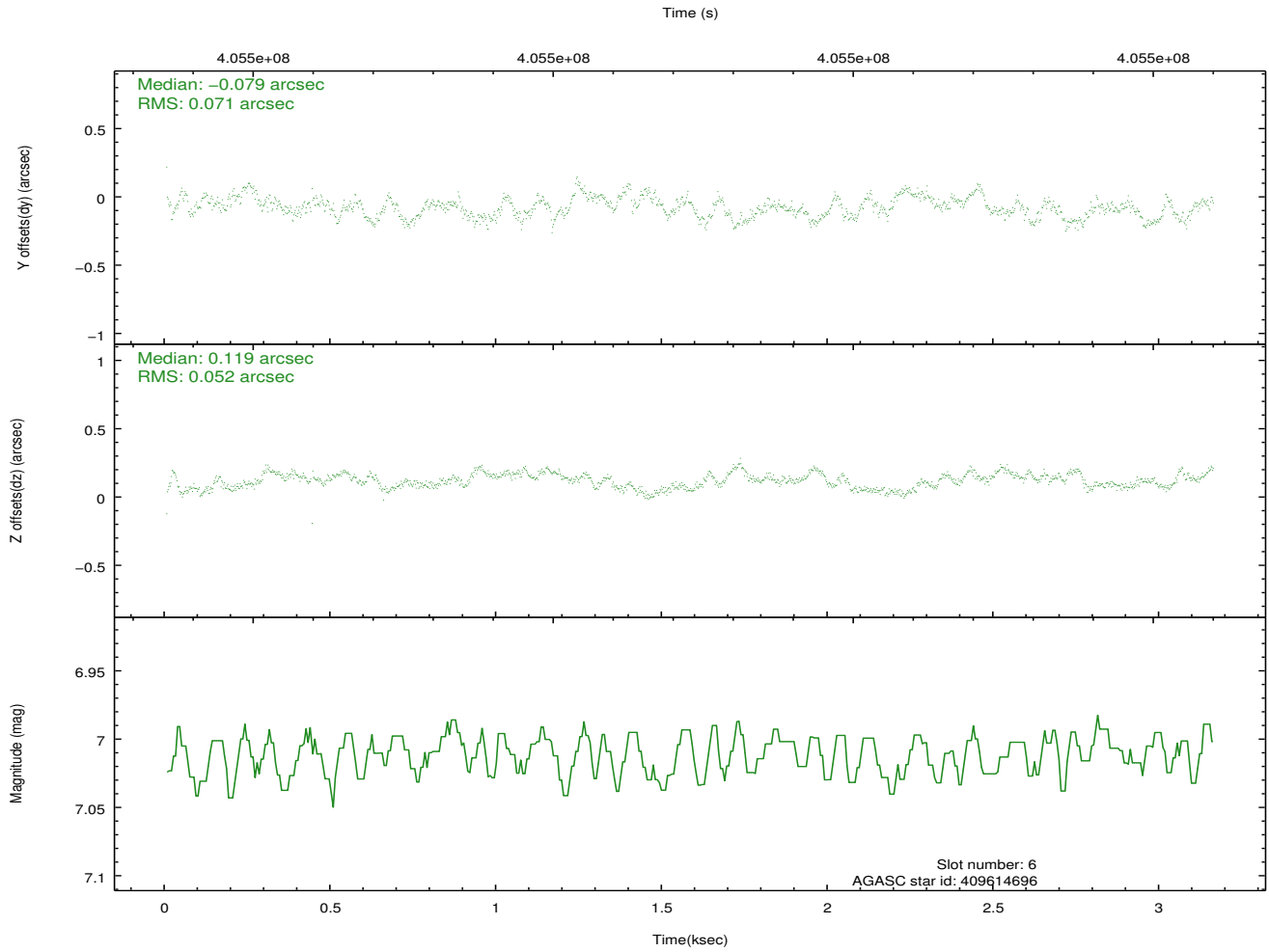
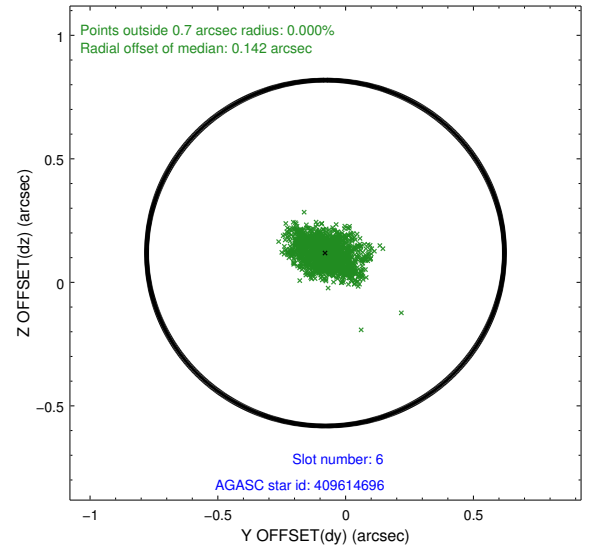
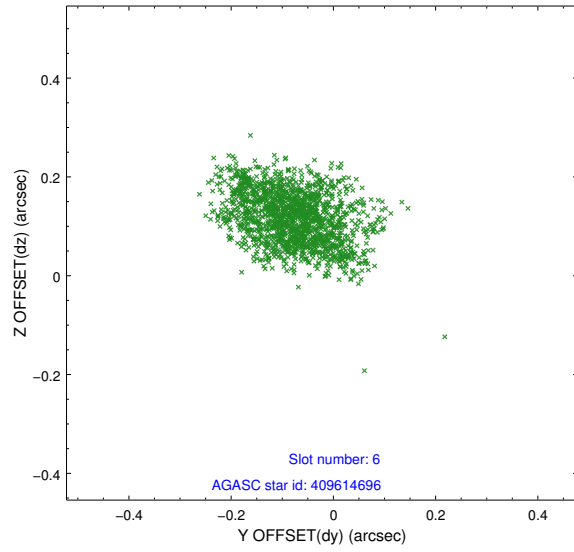
2.4.2 Slot 4



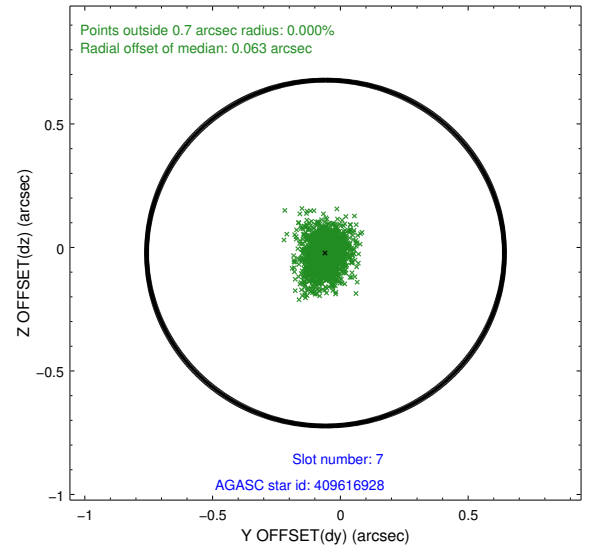
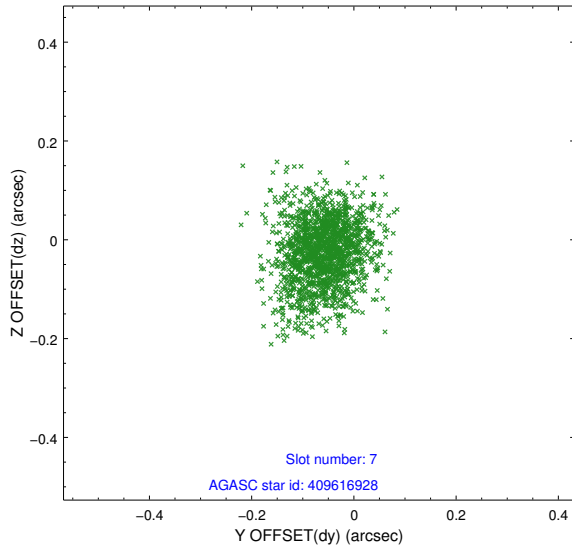
2.4.3 Slot 5



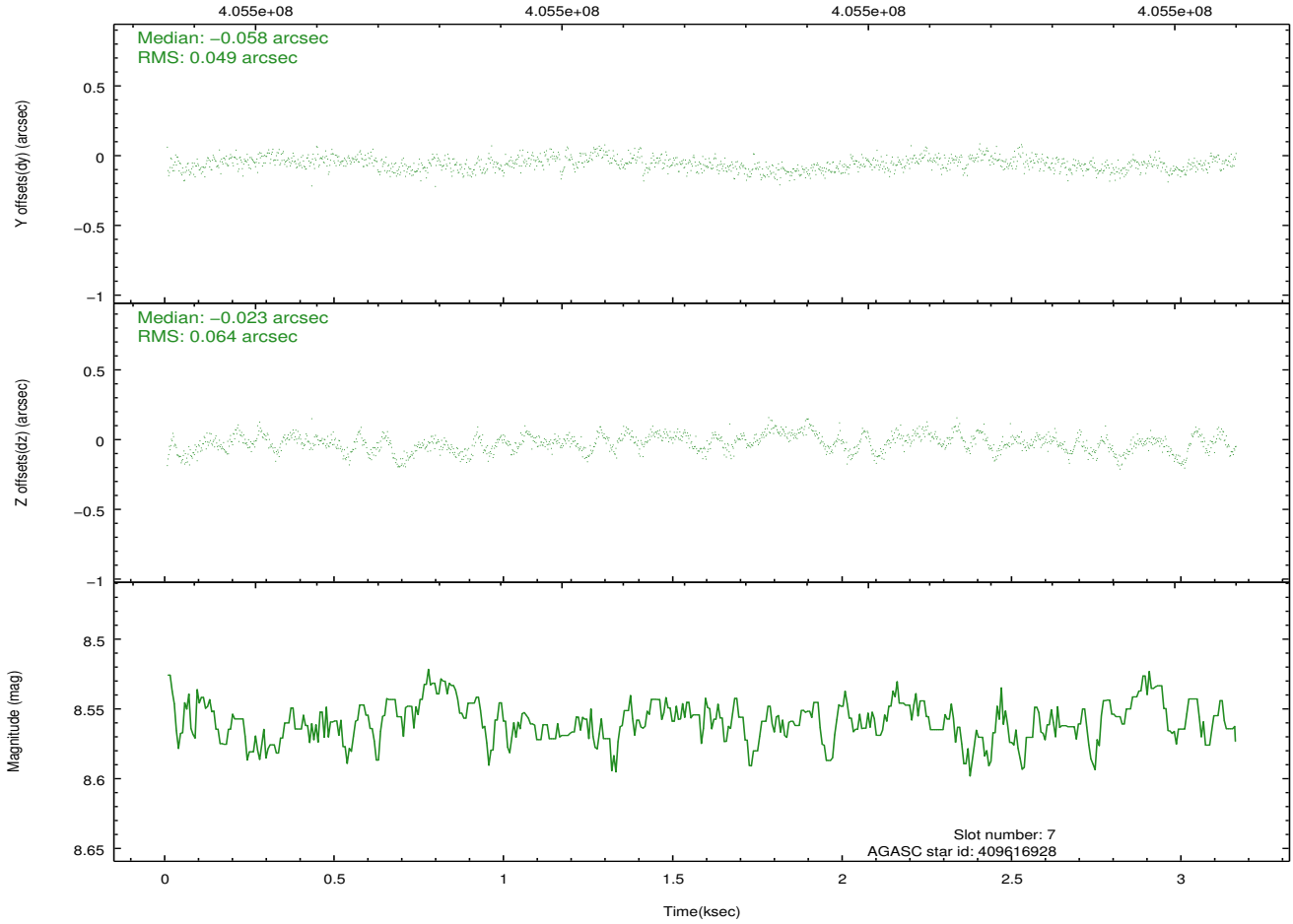
2.4.4 Slot 6



2.4.5 Slot 7

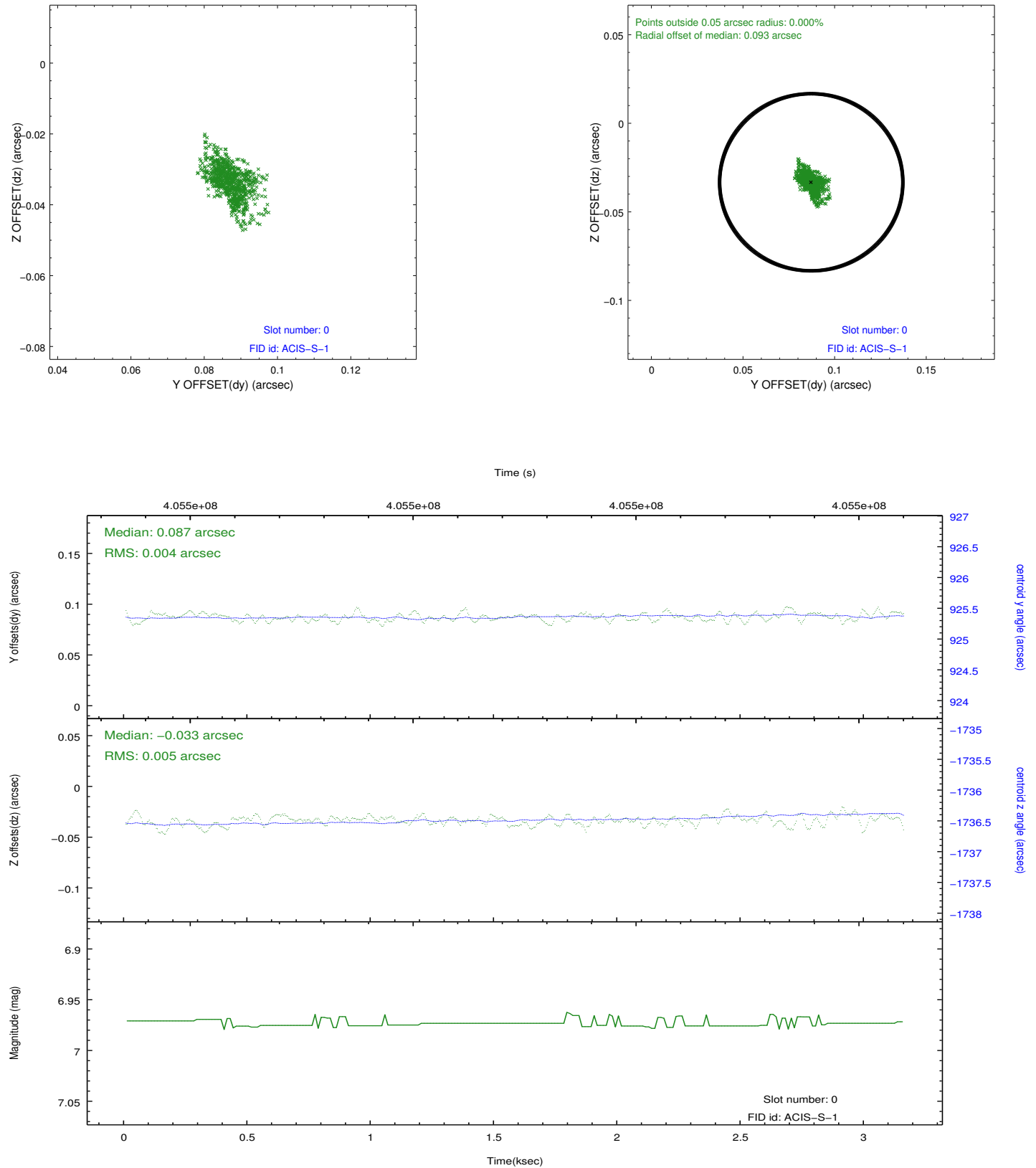


Time (s)

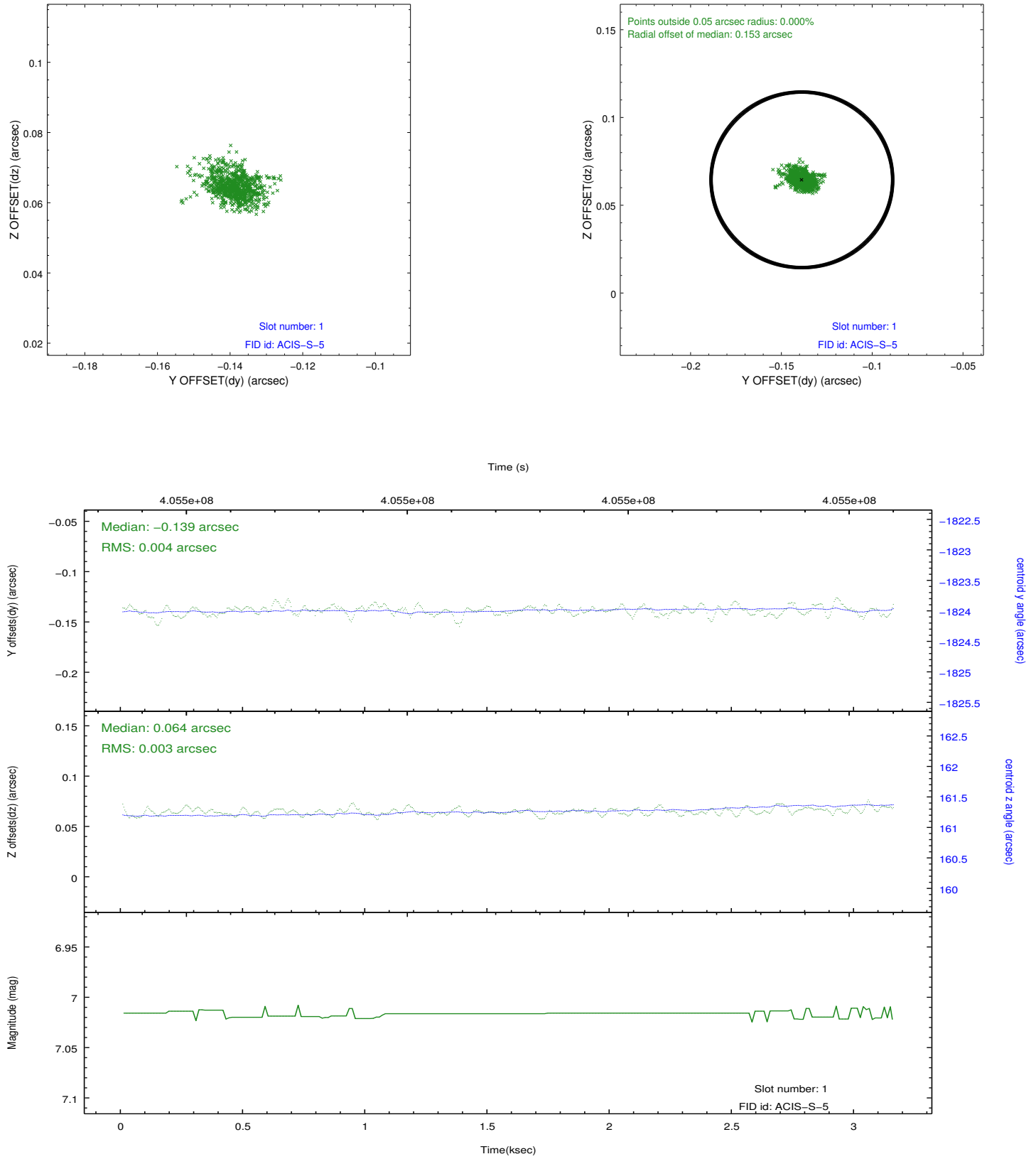


2.5 FID Slots

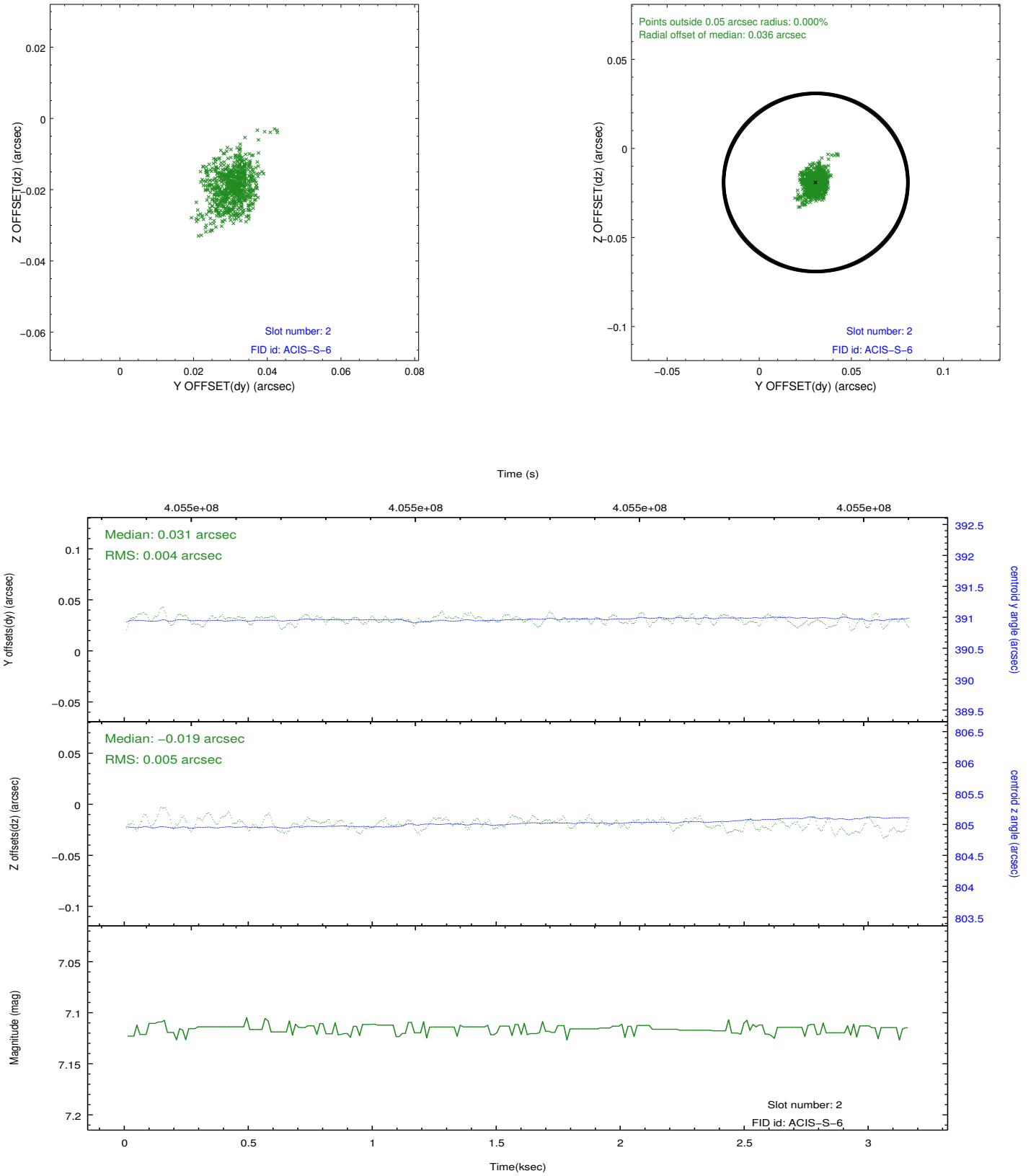
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9599999890327

A.2 Comments