

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 868 - L2 Version 3
Chandra X-Ray Center

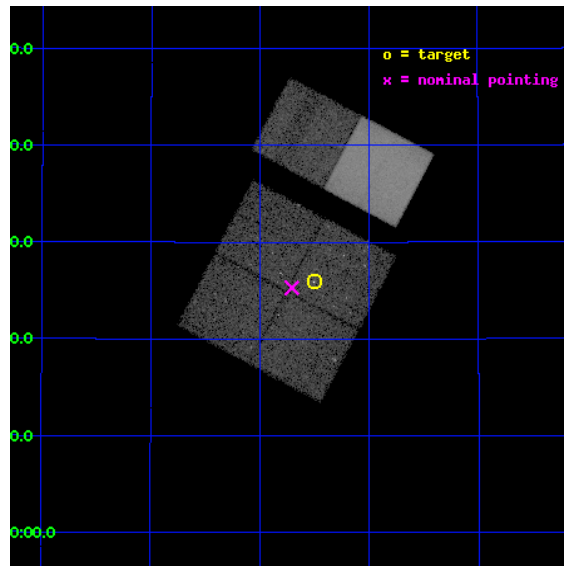
L2 Processing Date : Sep 5 2012

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1 Front

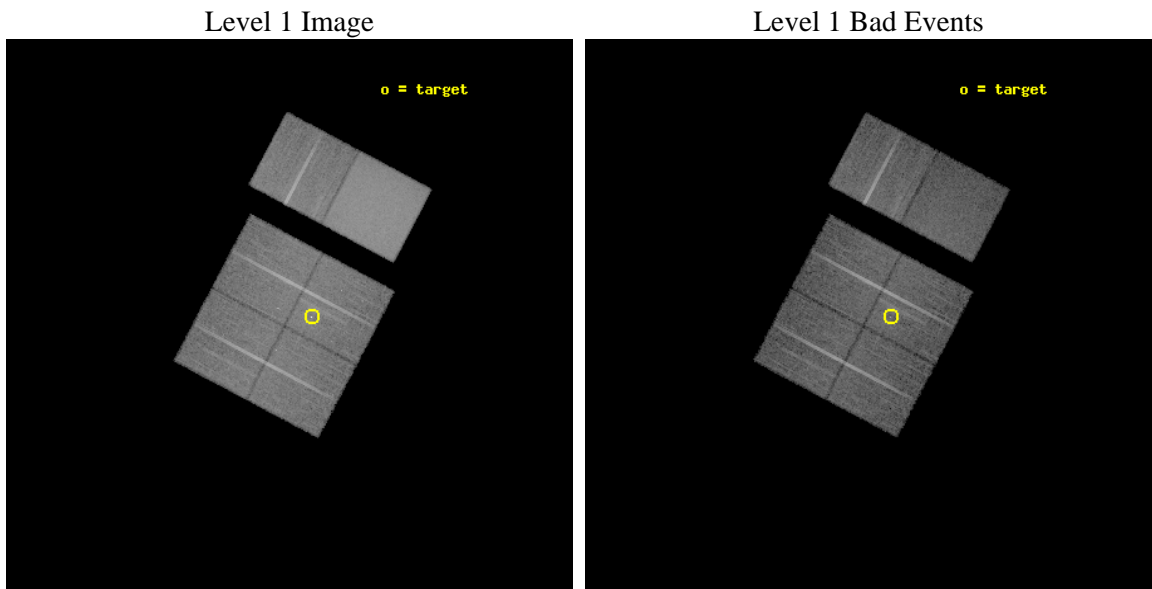
seq_num	700173	Sequence number
obs_id	868	Observation id
title	IMAGING OF 2 NARROW LINE TYPE 1 AGN	Proposal title
observer	Dr Fabrizio Fiore	Principal investigator
object	PG 1115+407	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.62625	Observer's specified target RA [deg]
dec_targ	40.431667	Observer's specified target Dec [deg]
ra_nom	169.67695991795	Nominal RA [deg]
dec_nom	40.421560118901	Nominal Dec [deg]
roll_nom	27.883379906182	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19954.158745468	Sum of GTIs [s]
livetime	19701.487172481	Livetime [s]
ontime0	19957.276585698	Sum of GTIs [s]
ontime1	19957.317625701	Sum of GTIs [s]
ontime2	19954.117705464	Sum of GTIs [s]
ontime3	19954.158745468	Sum of GTIs [s]
ontime6	19954.240825459	Sum of GTIs [s]
ontime7	19957.440745696	Sum of GTIs [s]
l2events	191779	Number of level 2 events



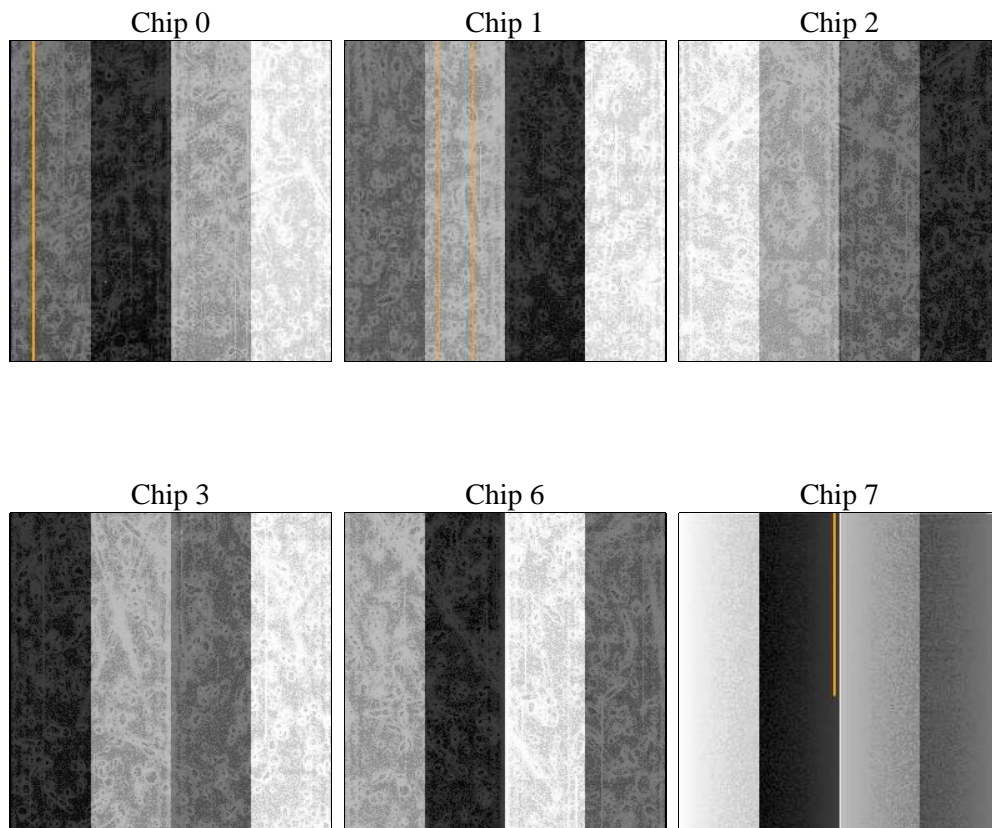
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19954.158745468	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	19957.276585698	Sum of GTIs [s]
date	2012-09-05T15:45:50	Date and time of file creation	ontime1	19957.317625701	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19954.117705464	Sum of GTIs [s]
			ontime3	19954.158745468	Sum of GTIs [s]
			ontime6	19954.240825459	Sum of GTIs [s]
			ontime7	19957.440745696	Sum of GTIs [s]
			l1events	805792	Number of level 1 events

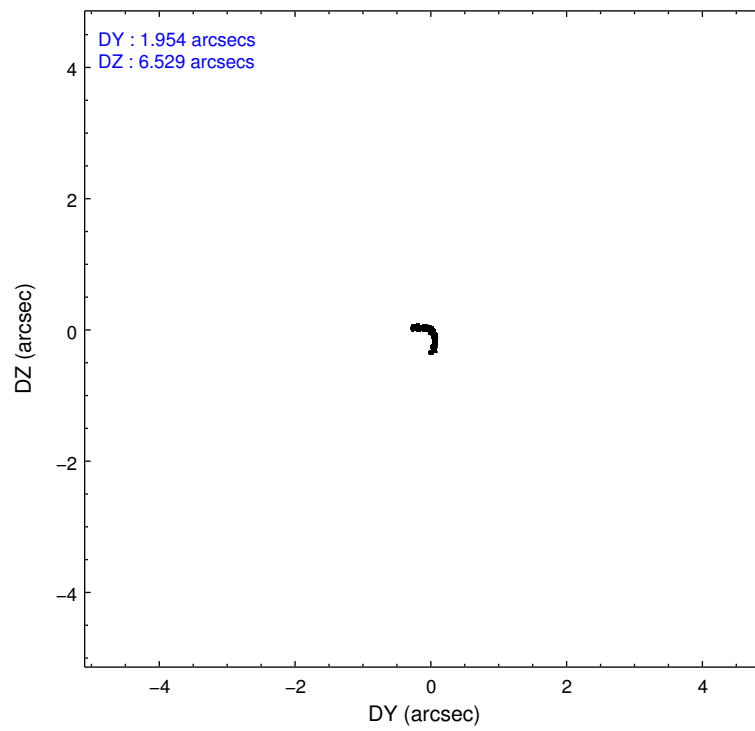
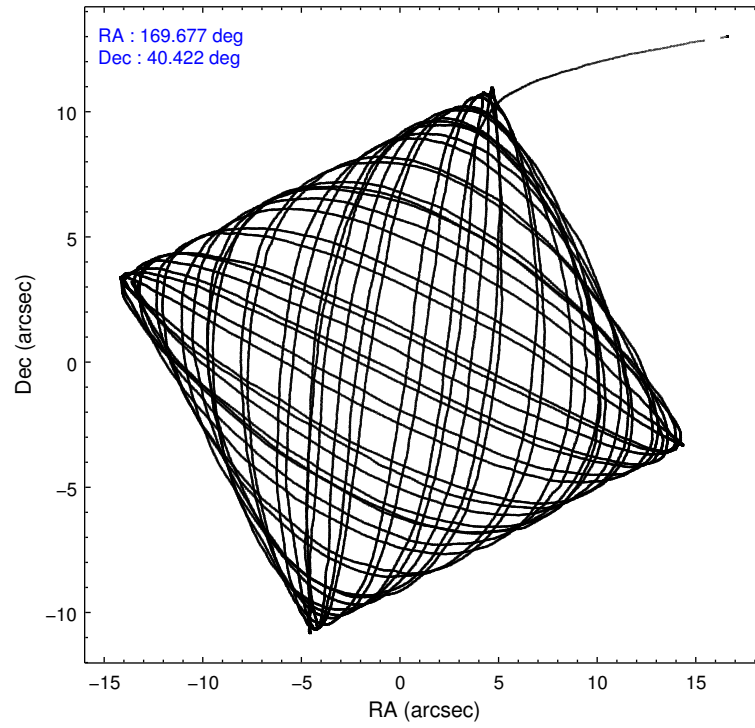
2.1.4 Events

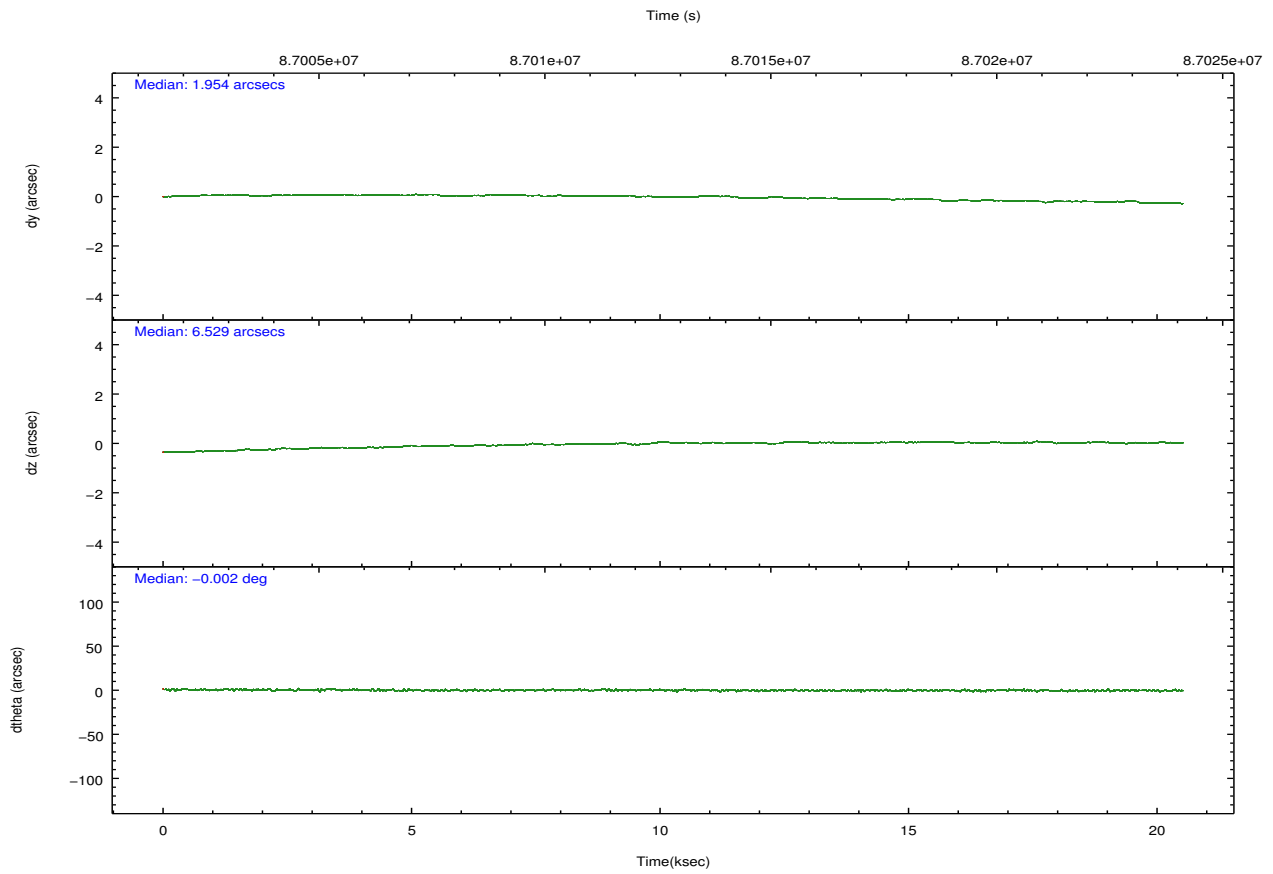
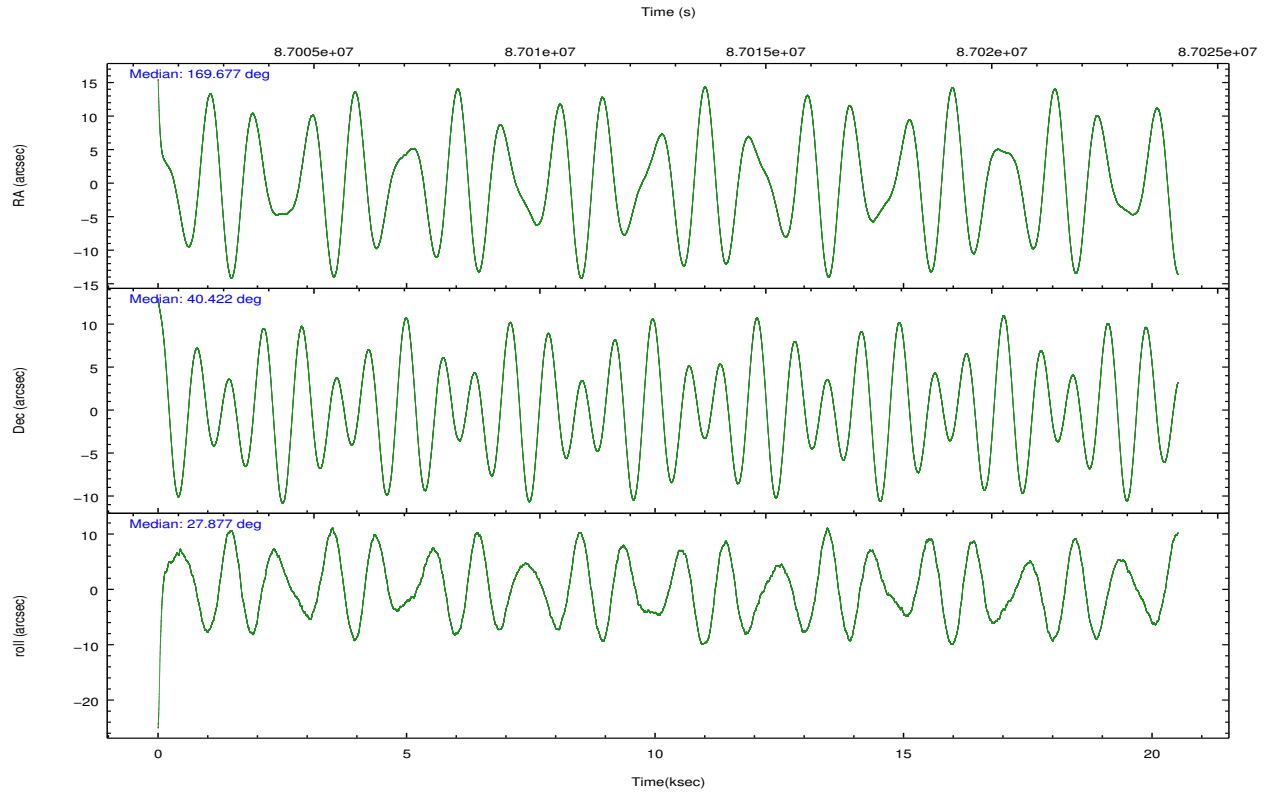
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	111226	111464	119892	123551	129431	210228	grade 0 events	6983	7214	7323	9378	8256	14785
rejected events	96400	95504	104838	105883	112668	86134		6%	6%	6%	7%	6%	7%
rejected %	86%	85%	87%	85%	87%	40%	grade 1 events	51	49	52	202	57	168
								0%	0%	0%	0%	0%	0%
							grade 2 events	2949	3113	2988	3110	3075	23346
								2%	2%	2%	2%	2%	11%
							grade 3 events	1356	1482	1322	1346	1404	10528
								1%	1%	1%	1%	1%	5%
							grade 4 events	1220	1474	1260	1447	1276	10465
								1%	1%	1%	1%	0%	4%
							grade 5 events	4058	4333	3833	4367	4931	14097
								3%	3%	3%	3%	3%	6%
							grade 6 events	2322	2678	2164	2391	2755	64994
								2%	2%	1%	1%	2%	30%
							grade 7 events	92287	91121	100950	101310	107677	71845
								82%	81%	84%	81%	83%	34%

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	169.657665	169.6769599179513	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.398298	40.42156011890121	Alternating exposures requested	N	N
[deg] Pointing Roll	27.687220	27.88337990618162	[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)	87003097.184000	87001961.47124299			
Observation start date	2000-10-03T23:30:33	2000-10-03T23:12:41			
[s] Observation end time (MET)	87023097.184000	87023516.709556			
Observation end date	2000-10-04T05:03:53	2000-10-04T05:11:56			
Read mode	TIMED	TIMED			

2.3 Aspect



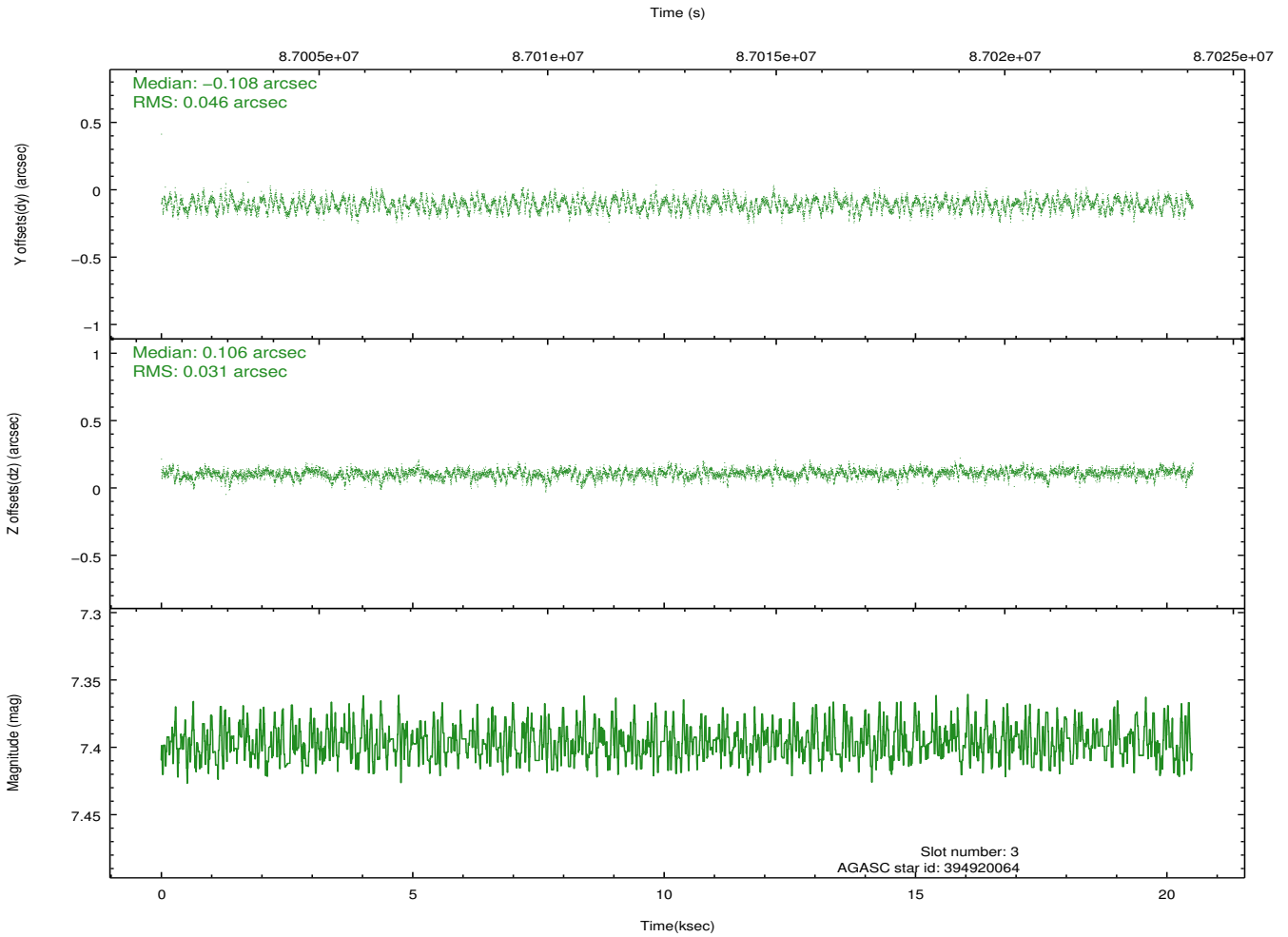
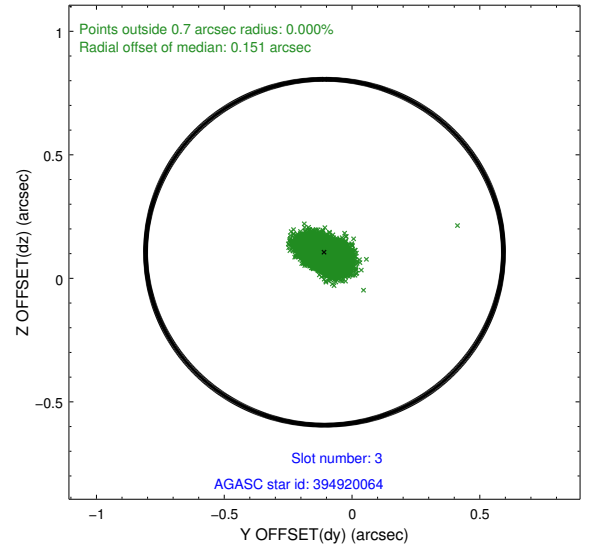
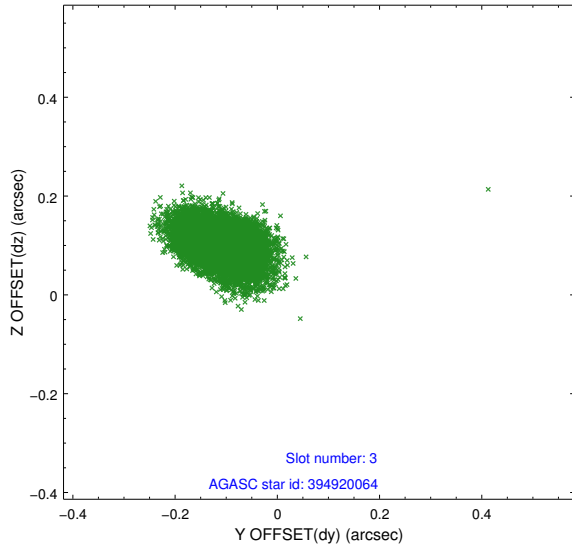


Slot Statistics

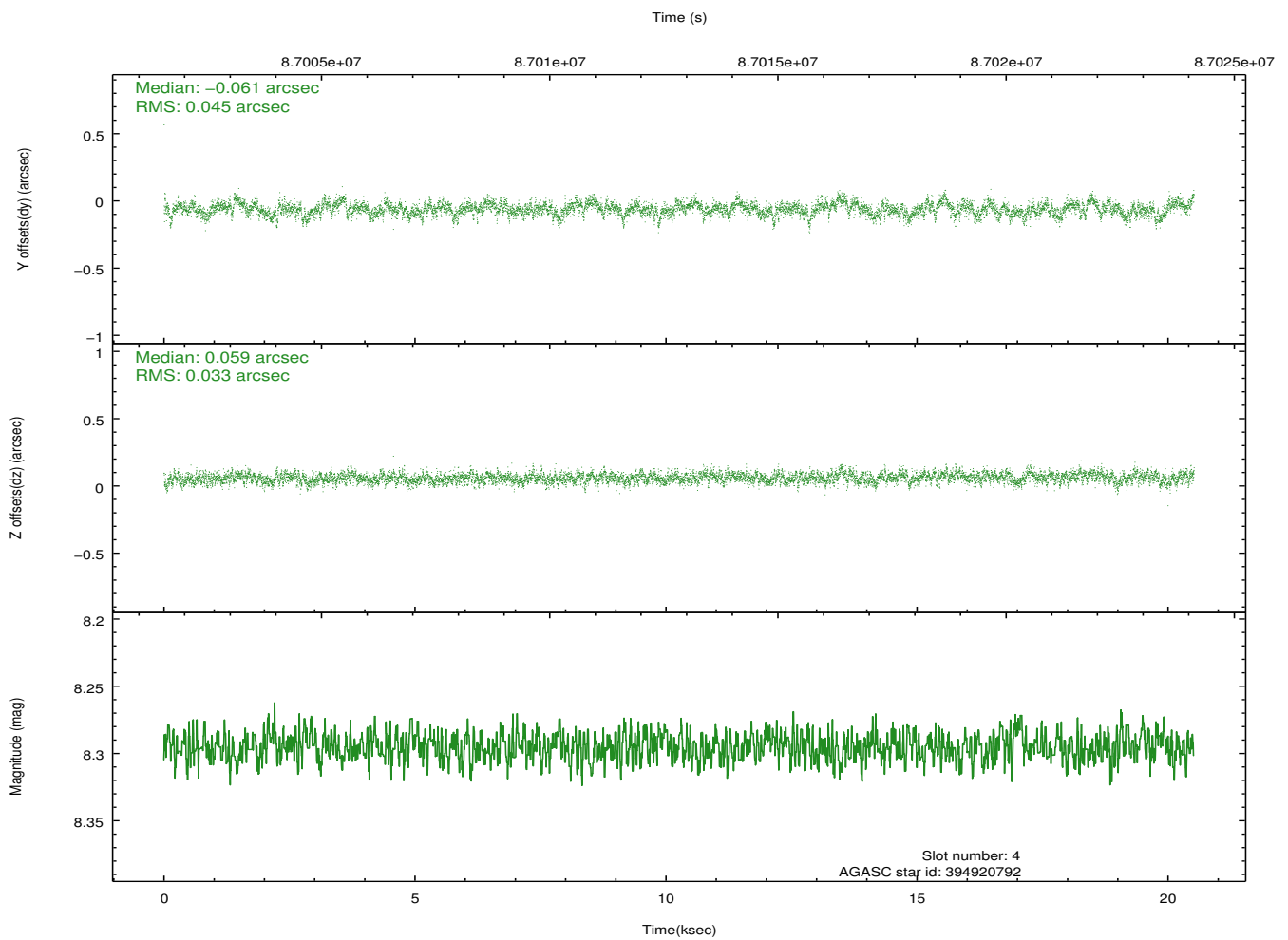
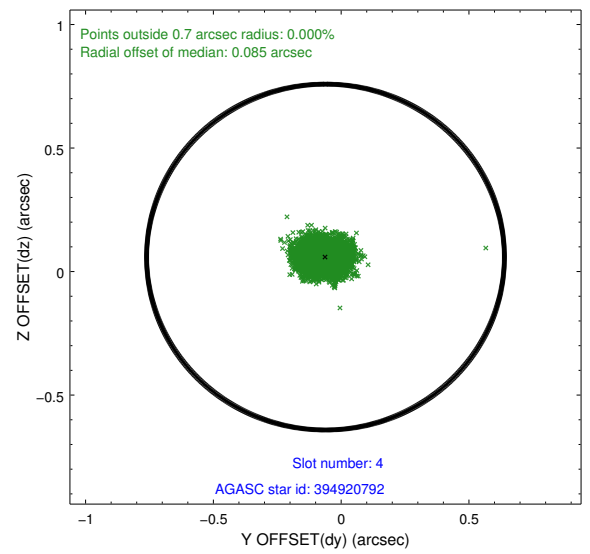
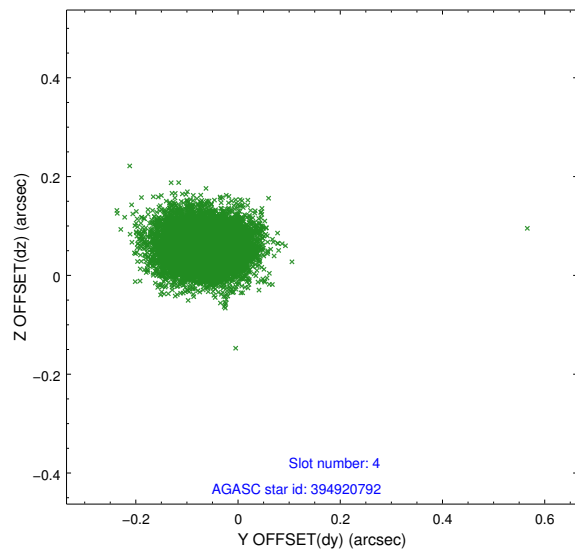
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	5004	-0.048	-0.070	0.009	0.016	0.000000	0.000000	-756.31	-836.29
1	FID	ACIS-I-4	7.18	5004	-0.027	0.053	0.009	0.017	0.000000	0.000000	2157.69	1069.92
2	FID	ACIS-I-5	7.23	5005	-0.026	0.086	0.011	0.017	0.000000	0.000000	-1809.88	1068.00
3	GUIDE	394920064	7.40	10009	-0.108	0.106	0.059	0.096	170.399341	40.430982	1857.66	-832.28
4	GUIDE	394920792	8.30	10007	-0.061	0.059	0.058	0.099	170.410155	40.280807	1637.19	-1326.81
5	GUIDE	394540984	9.07	10008	0.123	-0.067	0.074	0.124	169.035193	40.529906	-1285.82	1215.97
6	GUIDE	394534584	9.39	10000	0.007	-0.062	0.107	0.167	169.479815	40.837337	304.74	1625.23
7	GUIDE	394921296	9.58	10006	0.038	-0.033	0.126	0.210	170.797199	40.193273	2440.93	-2091.34

2.4 Star Slots

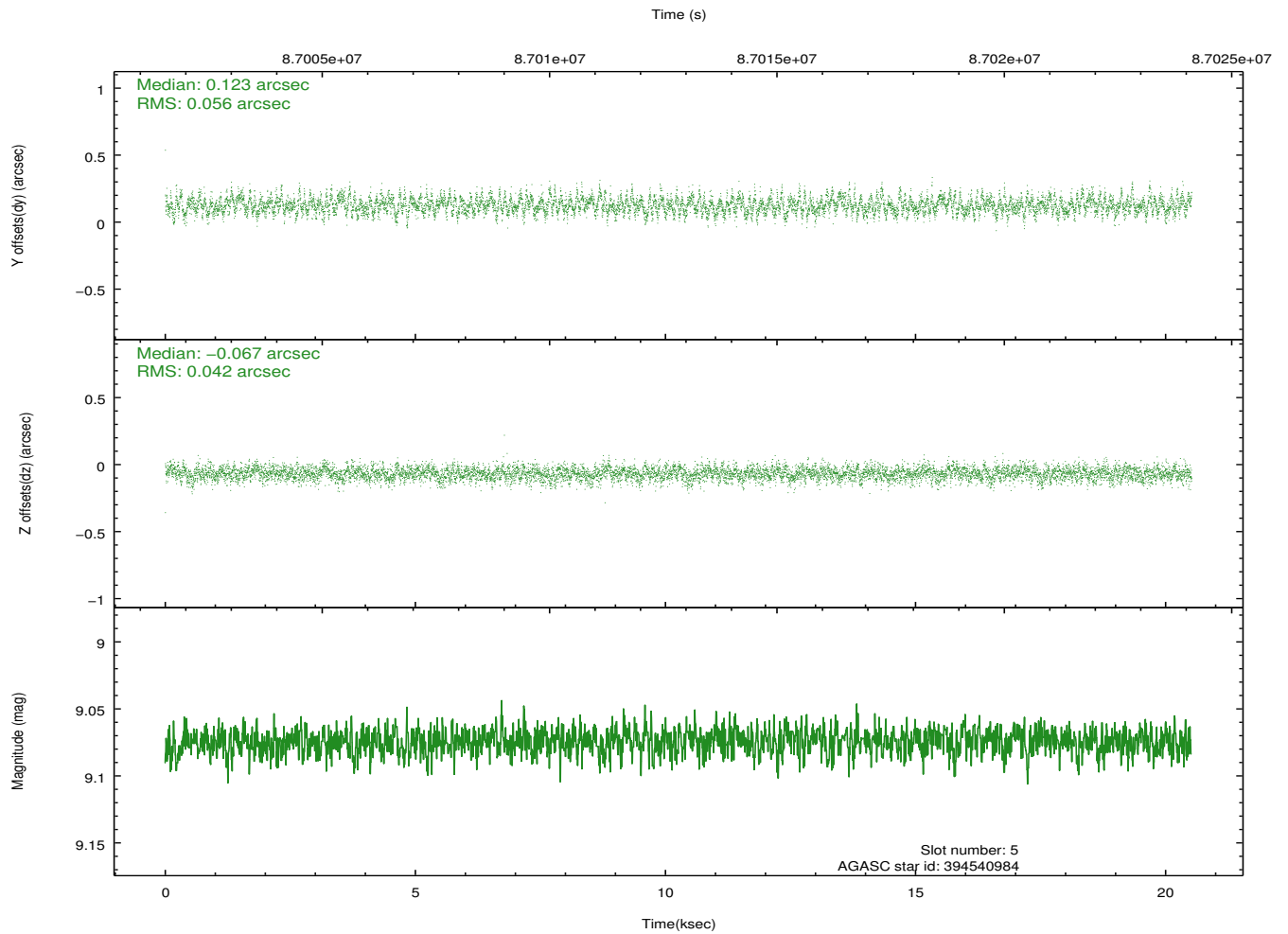
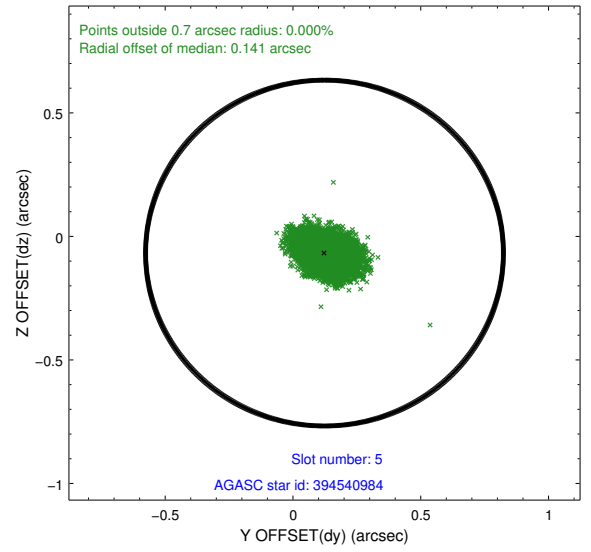
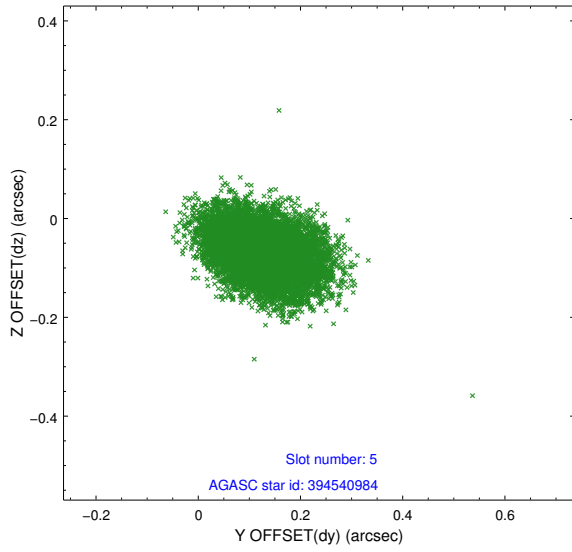
2.4.1 Slot 3



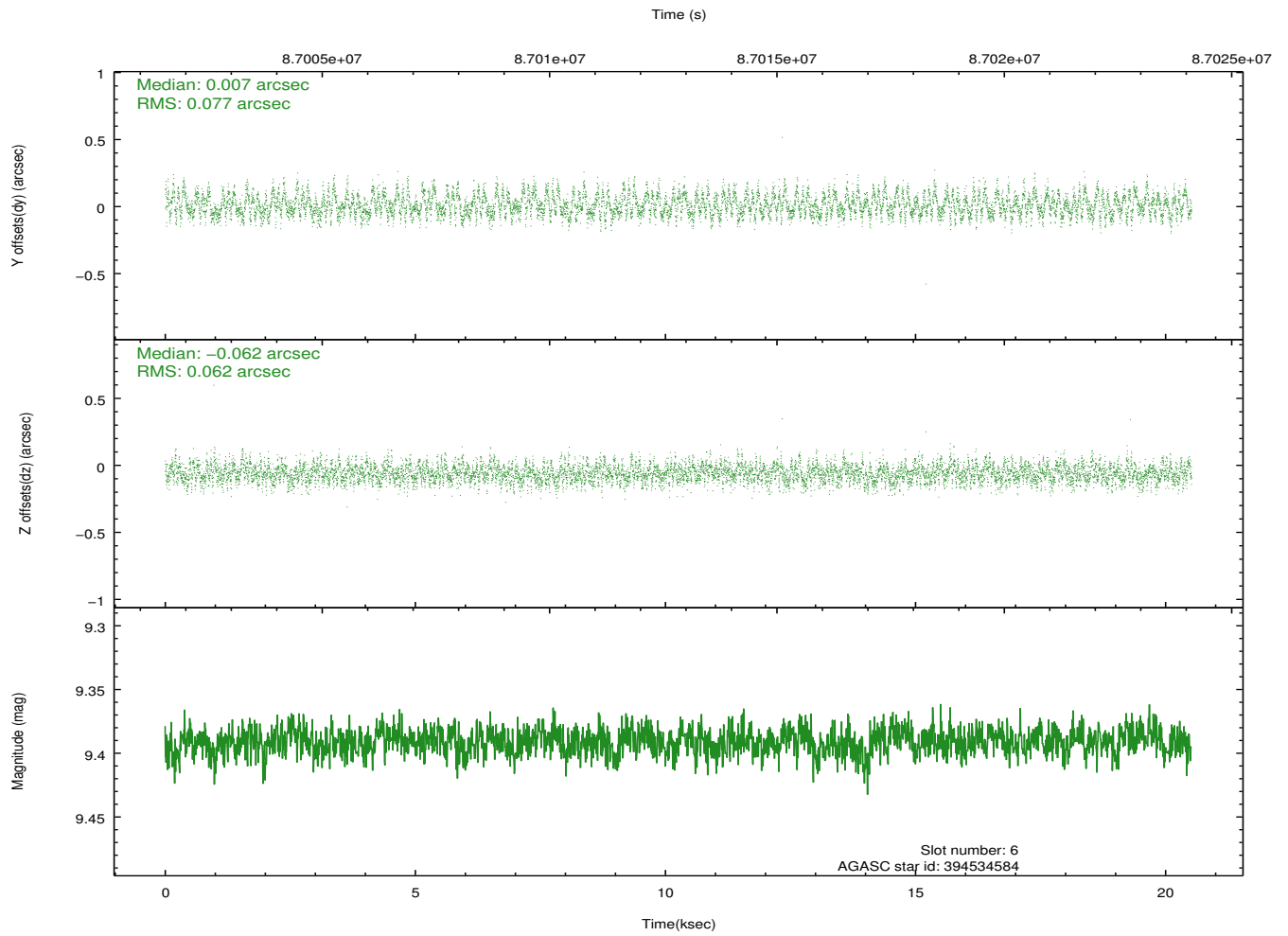
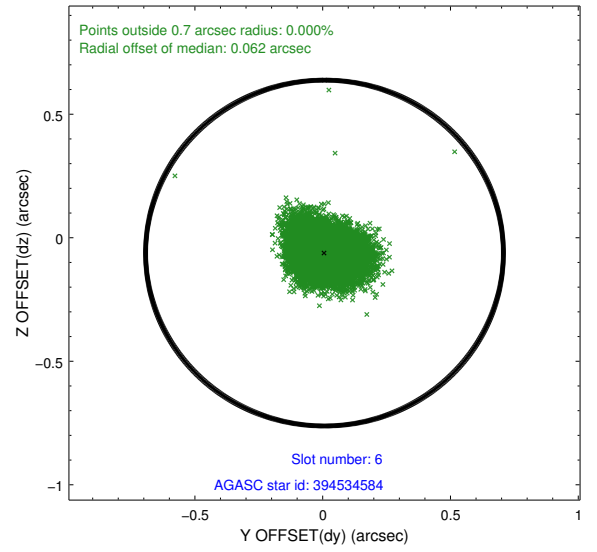
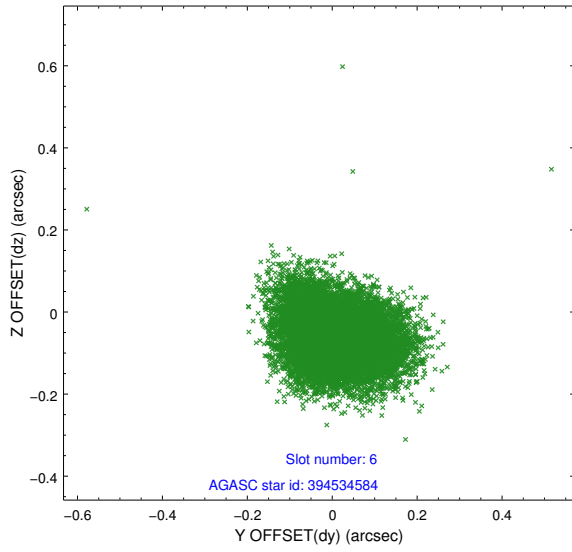
2.4.2 Slot 4



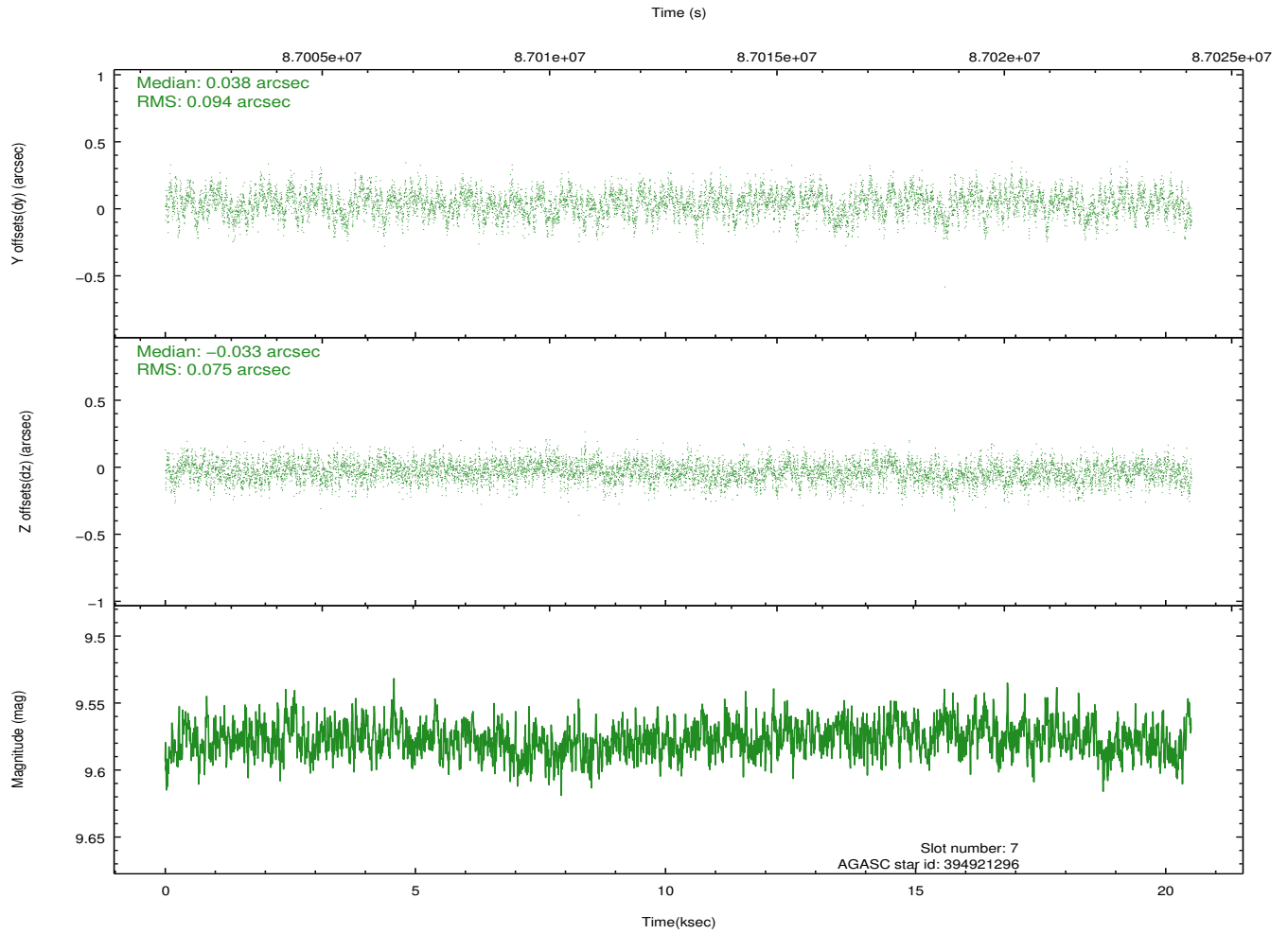
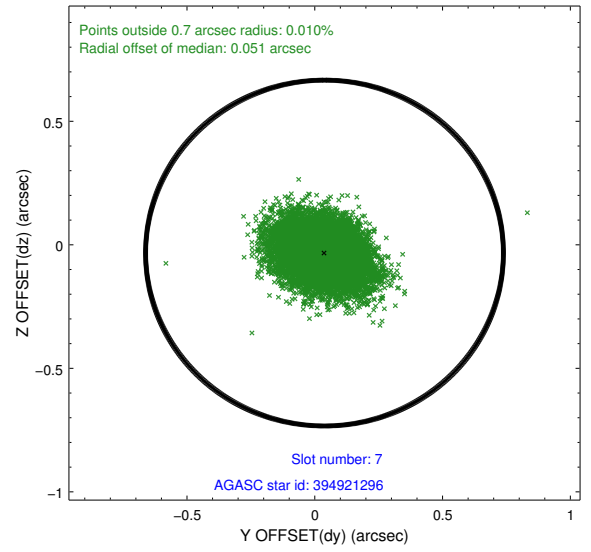
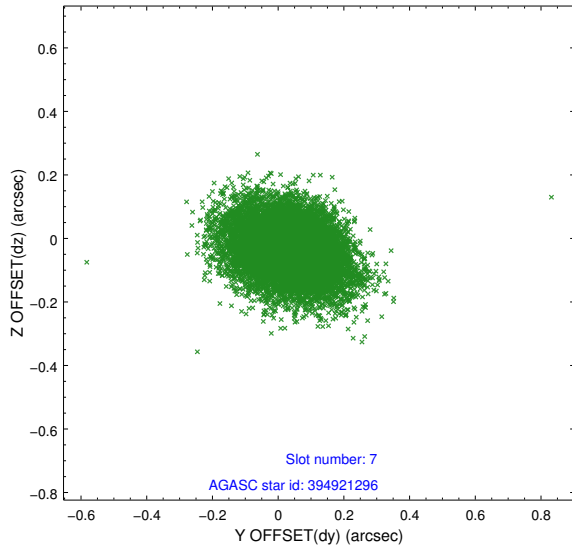
2.4.3 Slot 5



2.4.4 Slot 6

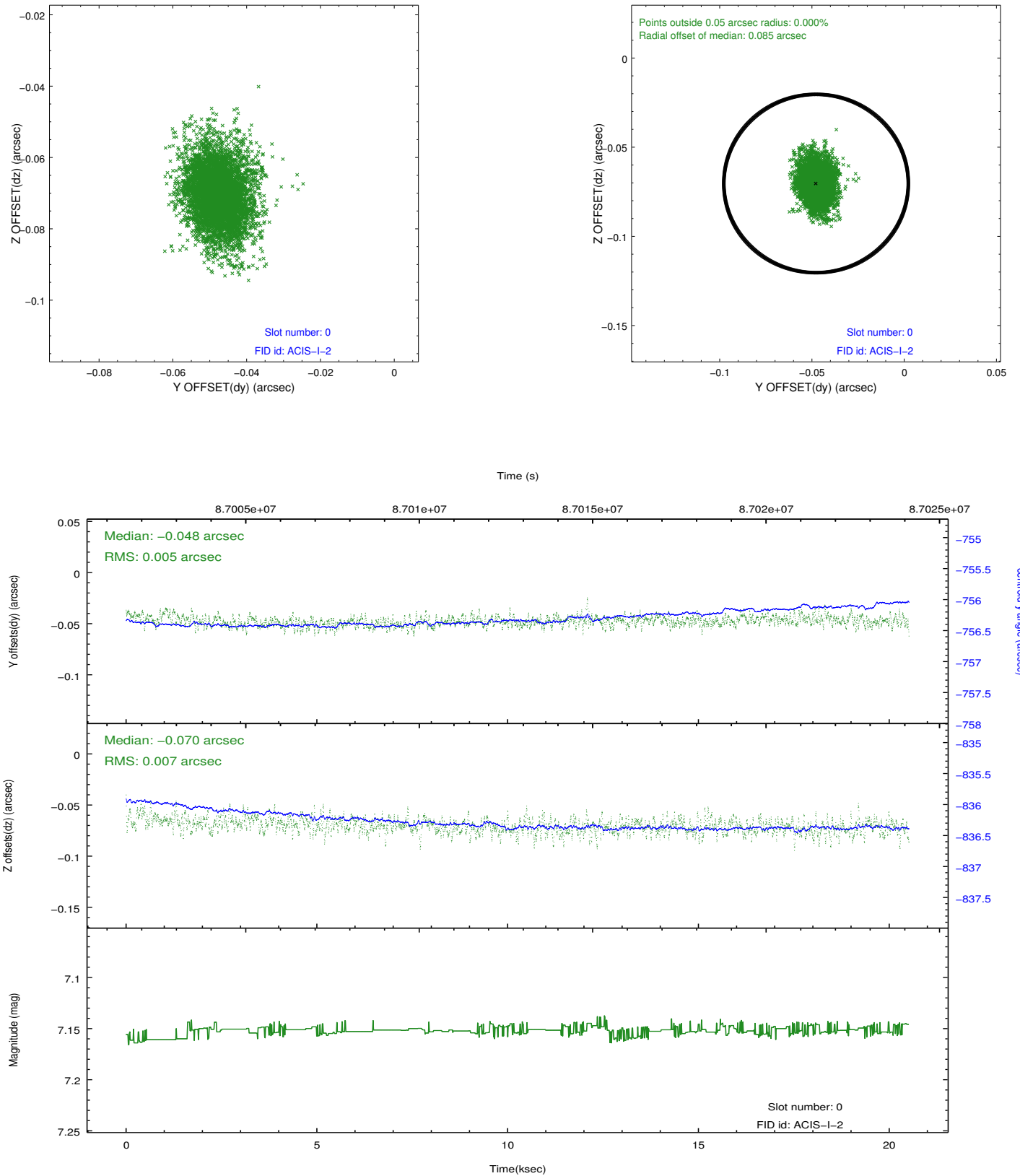


2.4.5 Slot 7

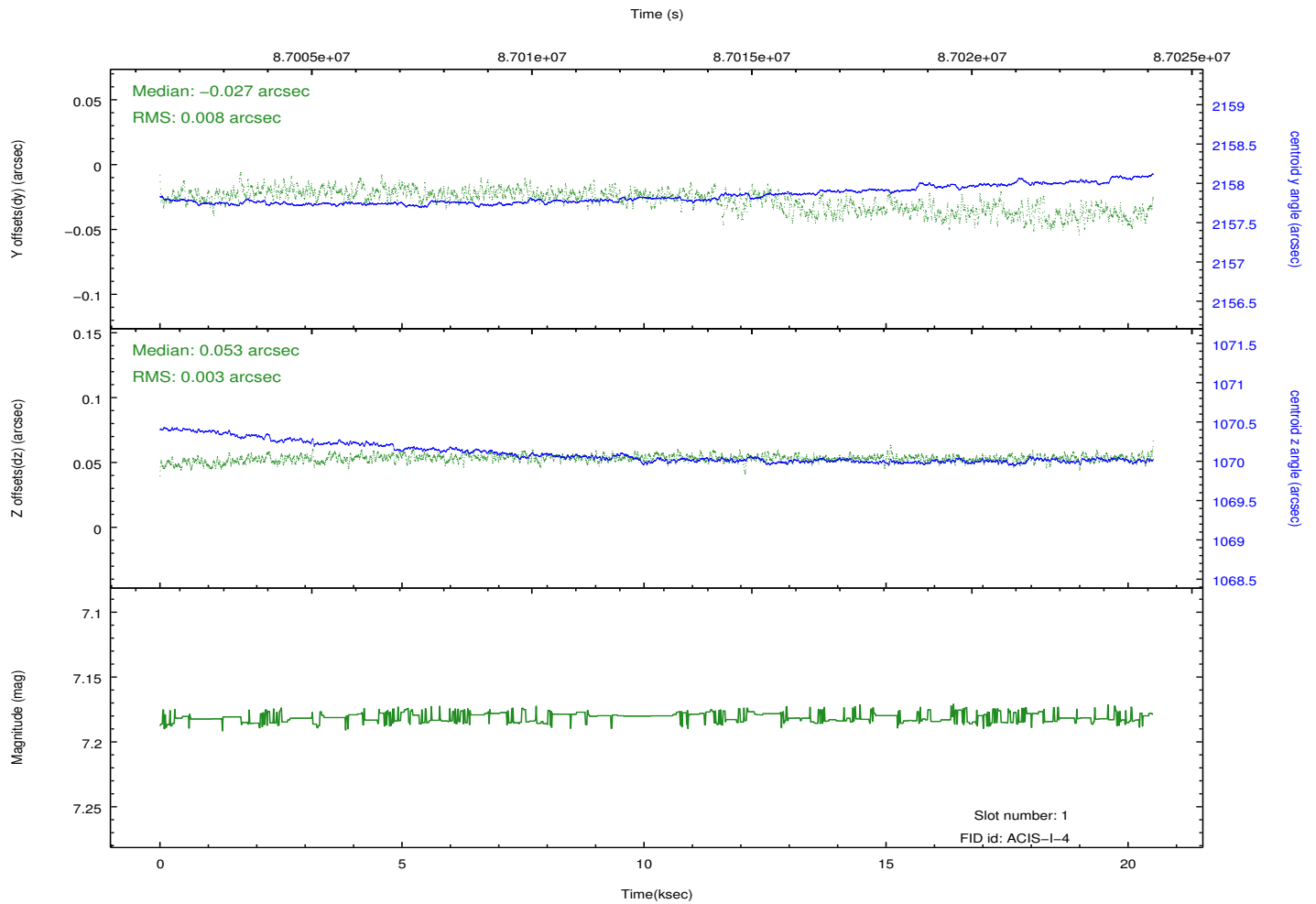
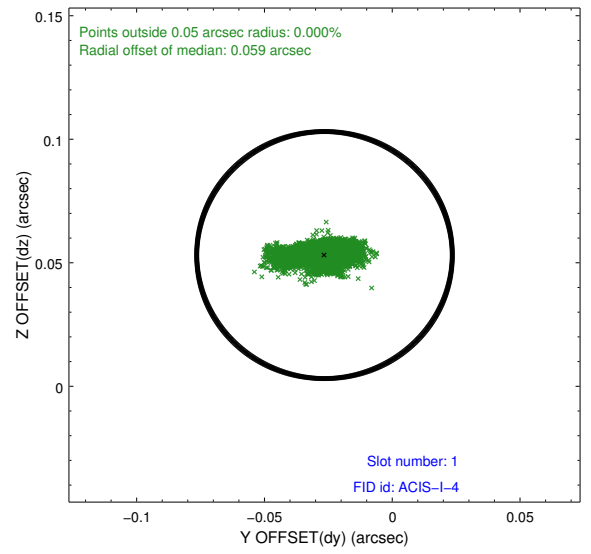
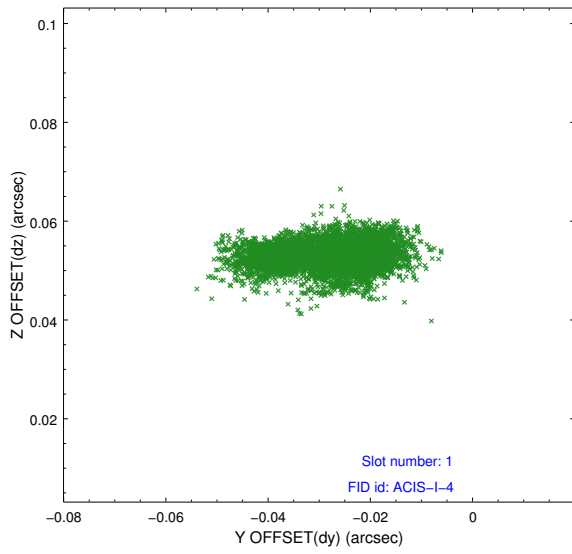


2.5 FID Slots

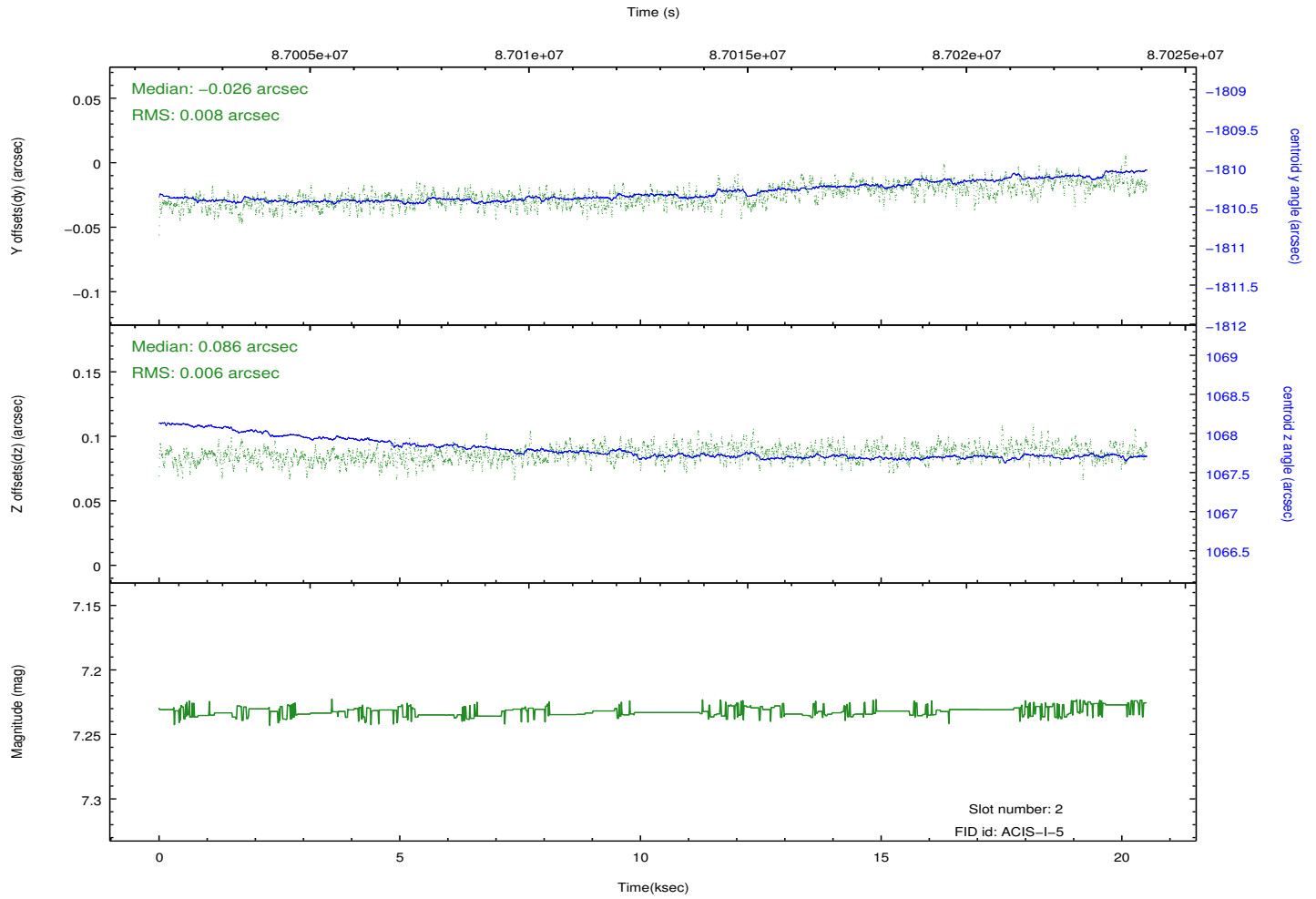
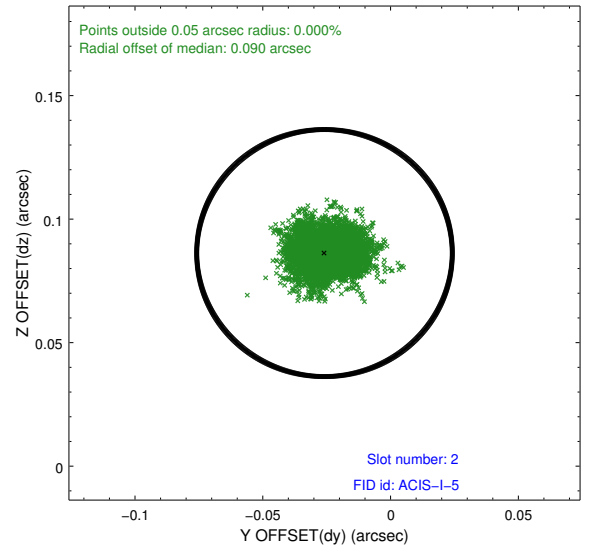
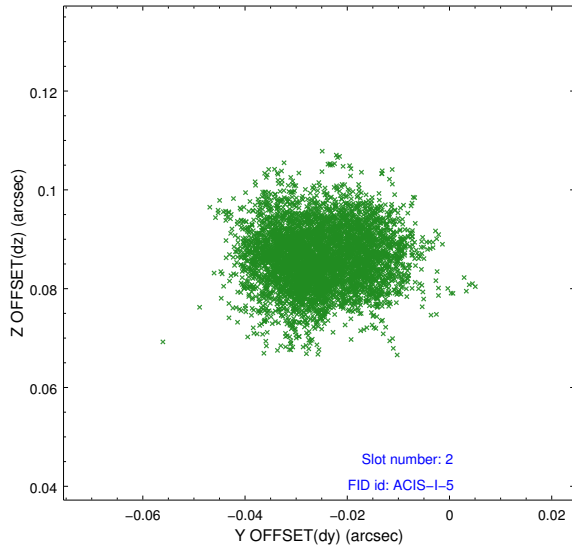
2.5.1 Slot 0



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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.955

A.2 Comments