

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11846 - L2 Version 2
Chandra X-Ray Center

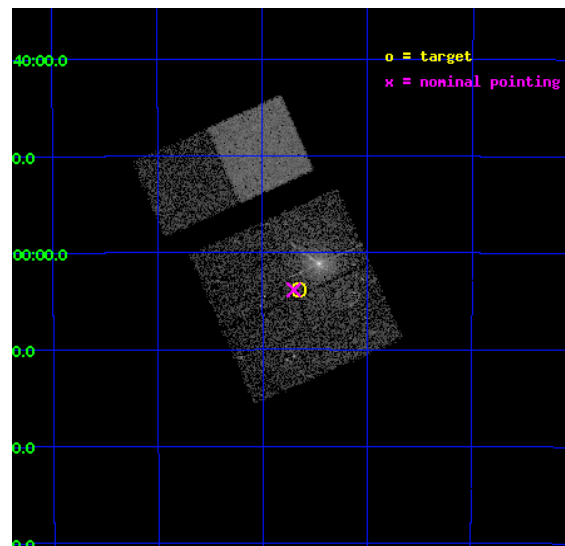
L2 Processing Date : Jun 24 2012

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1 Front

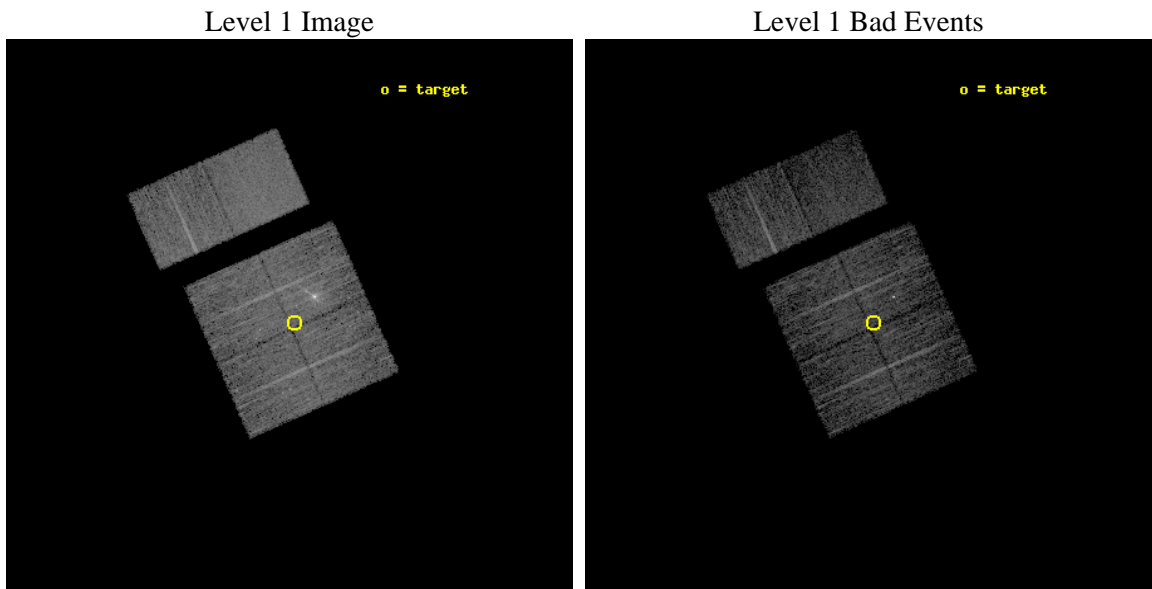
seq_num	702294	Sequence number
obs_id	11846	Observation id
title	Monitoring of the X-ray Jet and LMXB population of Centaurus A	Pro
observer	Dr. Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.414167	Observer's specified target RA [deg]
dec_targ	-43.063167	Observer's specified target Dec [deg]
ra_nom	201.42523615138	Nominal RA [deg]
dec_nom	-43.064081408989	Nominal Dec [deg]
roll_nom	336.14126941715	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.7967239618	Sum of GTIs [s]
livetime	4691.6266126545	Livetime [s]
ontime0	4751.6736039519	Sum of GTIs [s]
ontime1	4751.7146439552	Sum of GTIs [s]
ontime2	4751.7556839585	Sum of GTIs [s]
ontime3	4751.7967239618	Sum of GTIs [s]
ontime6	4751.8788039684	Sum of GTIs [s]
ontime7	4751.8377639651	Sum of GTIs [s]
l2events	47223	Number of level 2 events



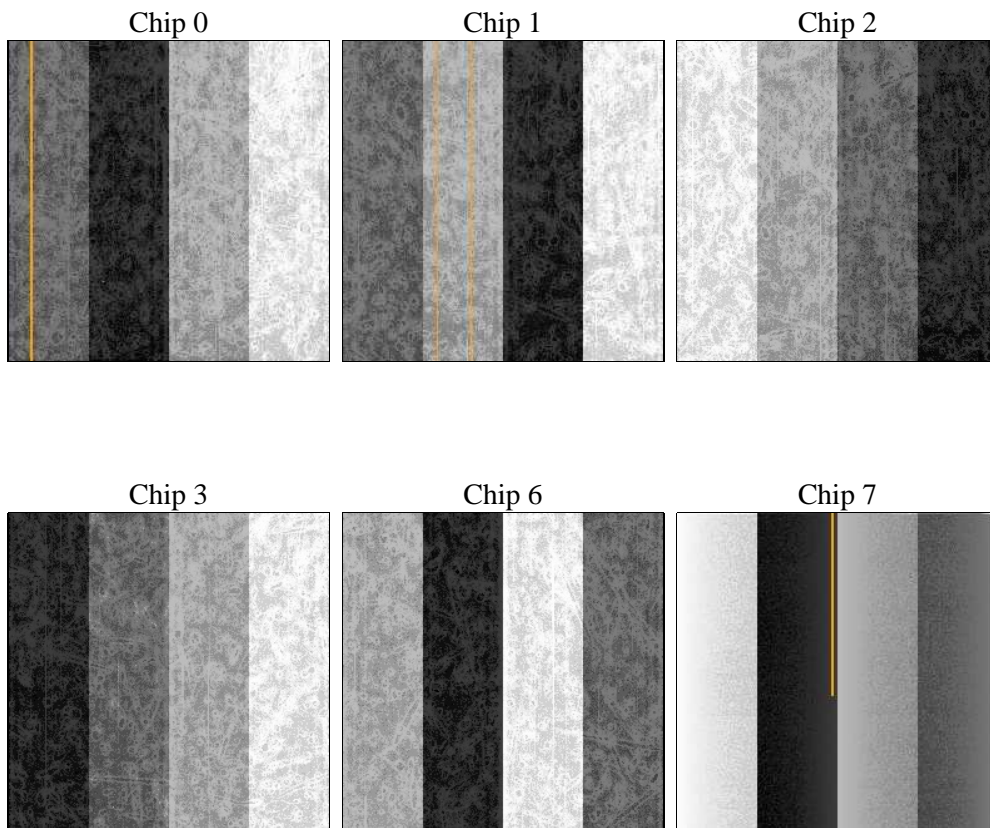
2 OBI

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	4751.7967239618	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	4751.6736039519	Sum of GTIs [s]
date	2012-06-24T20:59:50	Date and time of file creation	ontime1	4751.7146439552	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4751.7556839585	Sum of GTIs [s]
			ontime3	4751.7967239618	Sum of GTIs [s]
			ontime6	4751.8788039684	Sum of GTIs [s]
			ontime7	4751.8377639651	Sum of GTIs [s]
			l1events	230741	Number of level 1 events

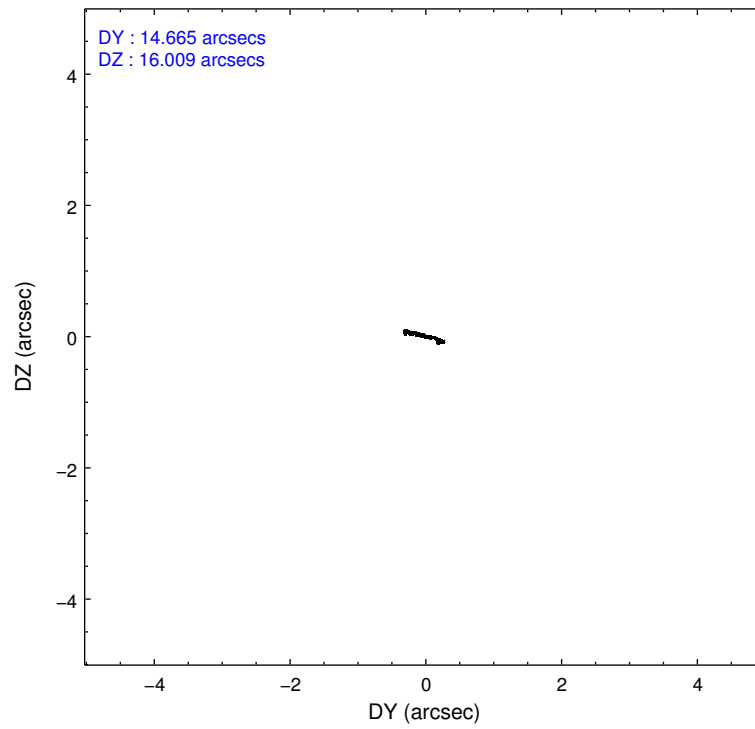
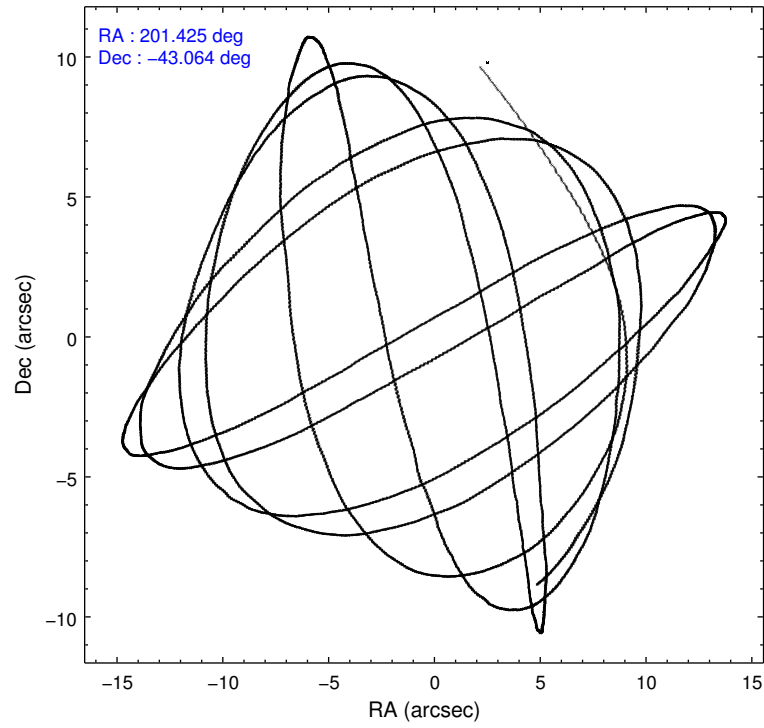
2.1.4 Events

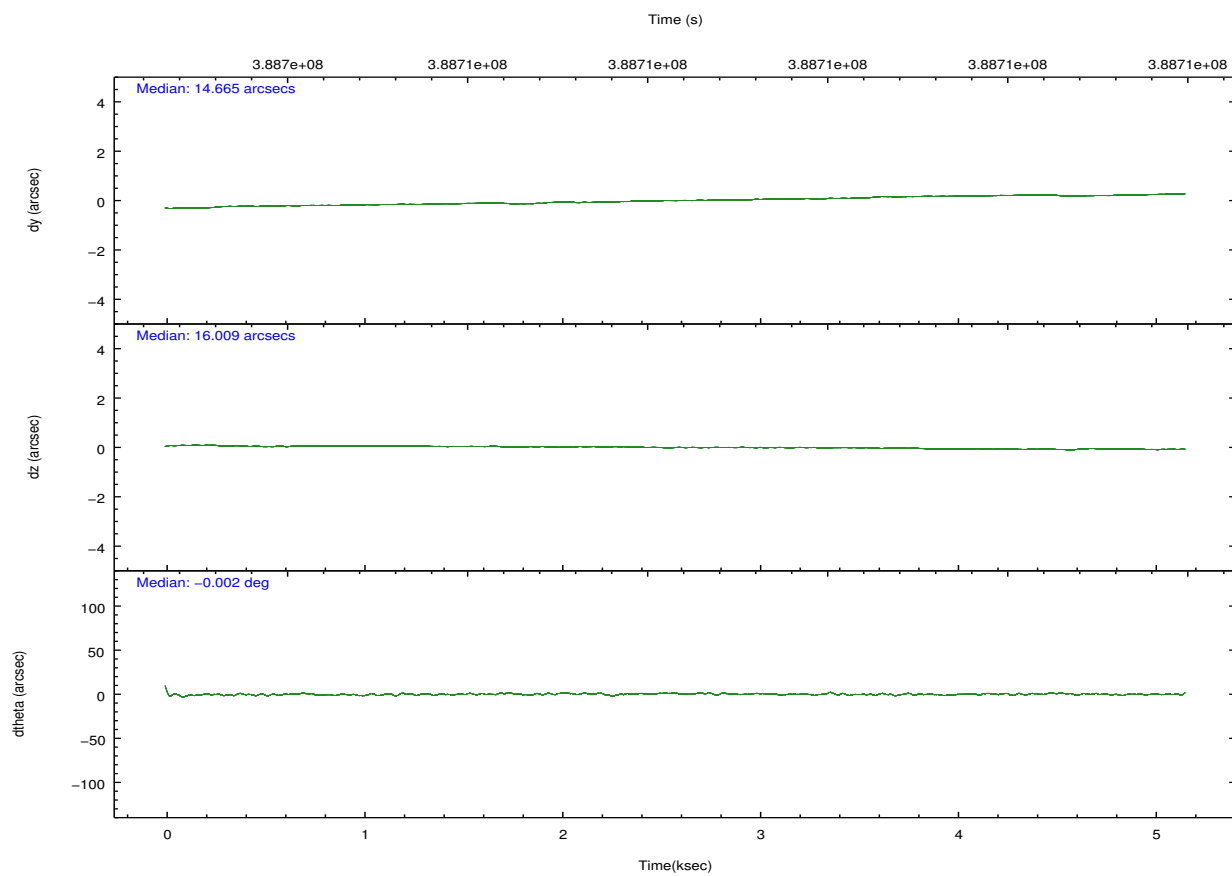
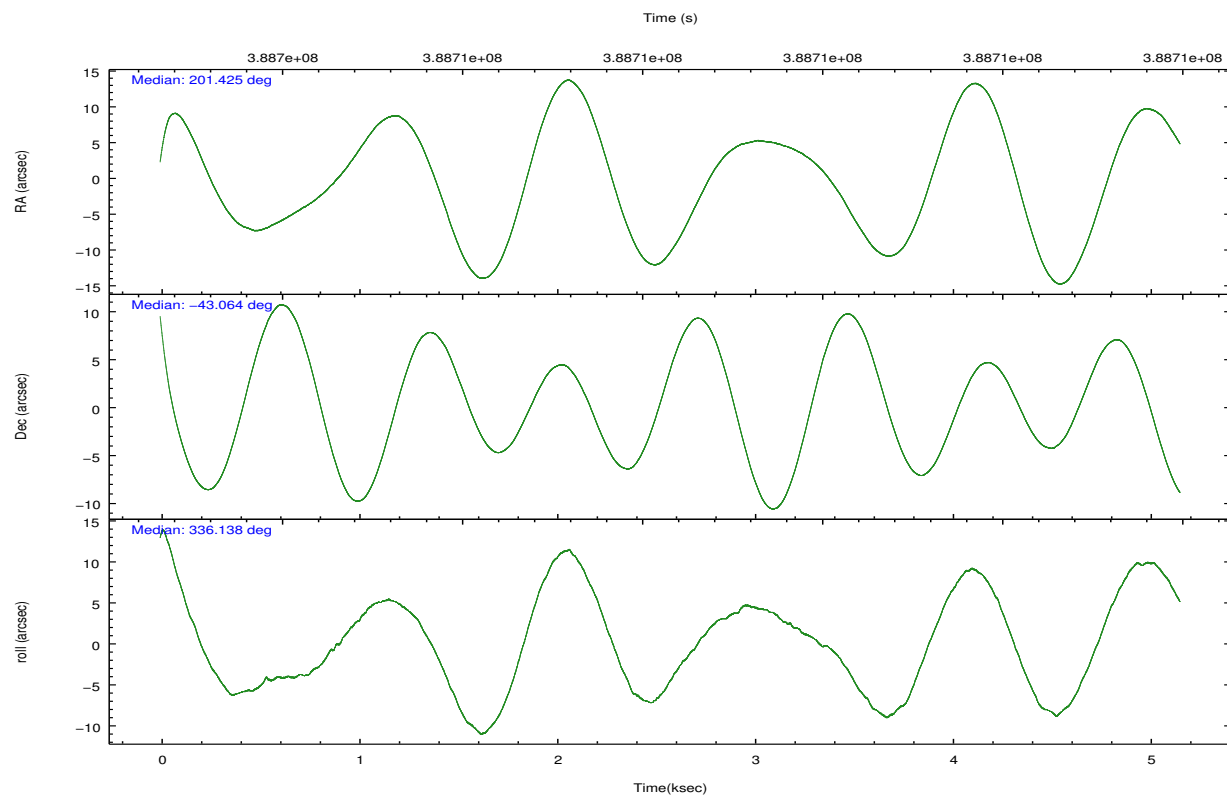
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	34110	33796	36471	45056	37345	43963	grade 0 events	1855	2537	1928	7294	1658	2030
rejected events	29592	28211	31943	32522	33043	24066		5%	7%	5%	16%	4%	4%
rejected %	86%	83%	87%	72%	88%	54%	grade 1 events	23	27	28	269	18	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	1043	1104	1031	2057	893	3926
								3%	3%	2%	4%	2%	8%
							grade 3 events	420	482	415	825	436	1741
								1%	1%	1%	1%	1%	3%
							grade 4 events	402	511	417	804	456	1841
								1%	1%	1%	1%	1%	4%
							grade 5 events	1404	1540	1346	1911	1553	4753
								4%	4%	3%	4%	4%	10%
							grade 6 events	810	958	740	1573	870	10381
								2%	2%	2%	3%	2%	23%
							grade 7 events	28153	26637	30566	30323	31461	19223
								82%	78%	83%	67%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	201.387751	201.4252361513828	CCD I2 on	Y	Y
[deg] Pointing Dec	-43.067132	-43.06408140898949	CCD I3 on	Y	Y
[deg] Pointing Roll	335.906963	336.1412694171484	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	388704721.184000	388703707.71947	CCD S5 on	N	N
Observation start date	2010-04-26T21:30:55	2010-04-26T21:15:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	388709721.184000	388710687.45732	On-chip summing requested	N	N
Observation end date	2010-04-26T22:54:15	2010-04-26T23:11:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



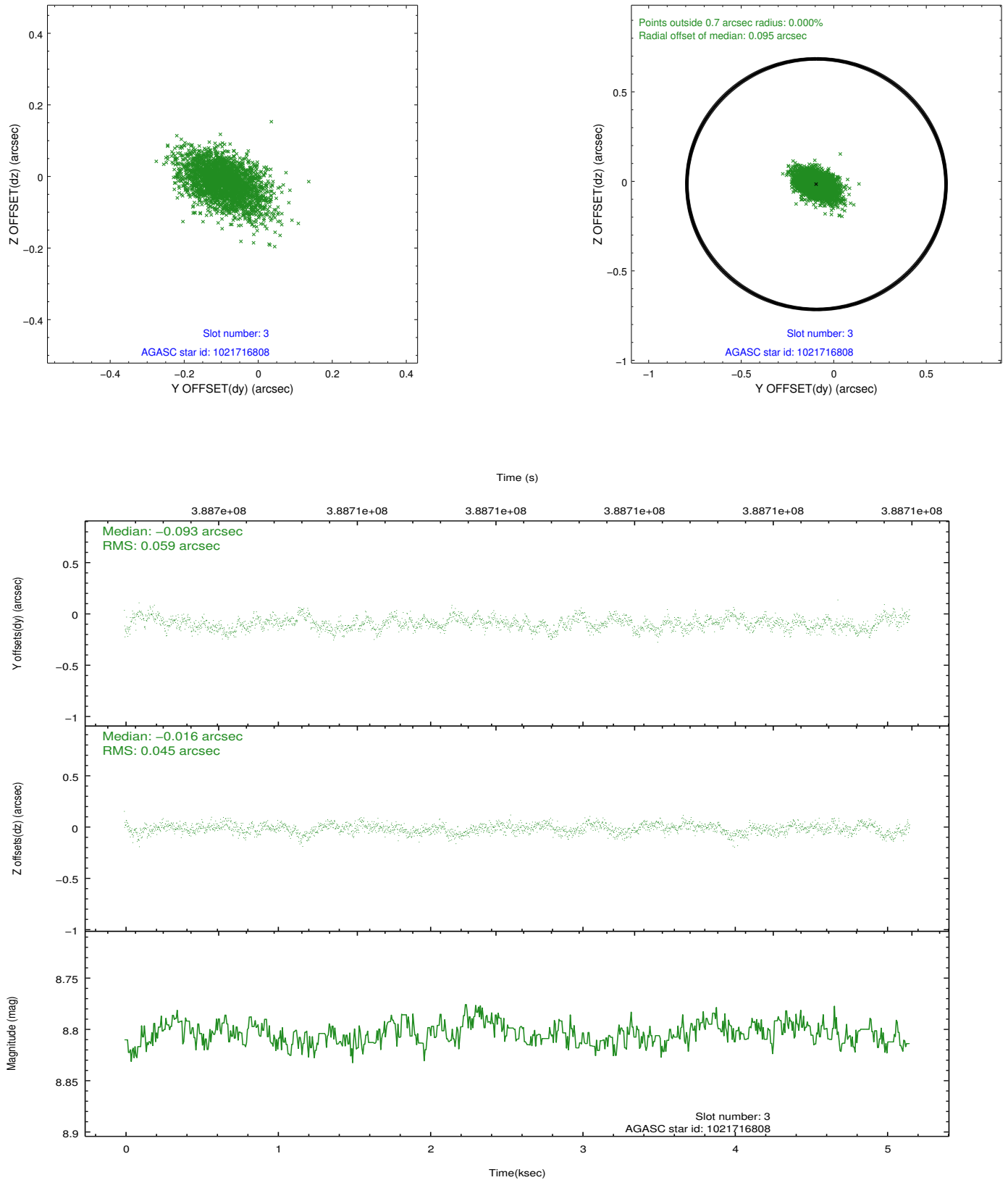


Slot Statistics

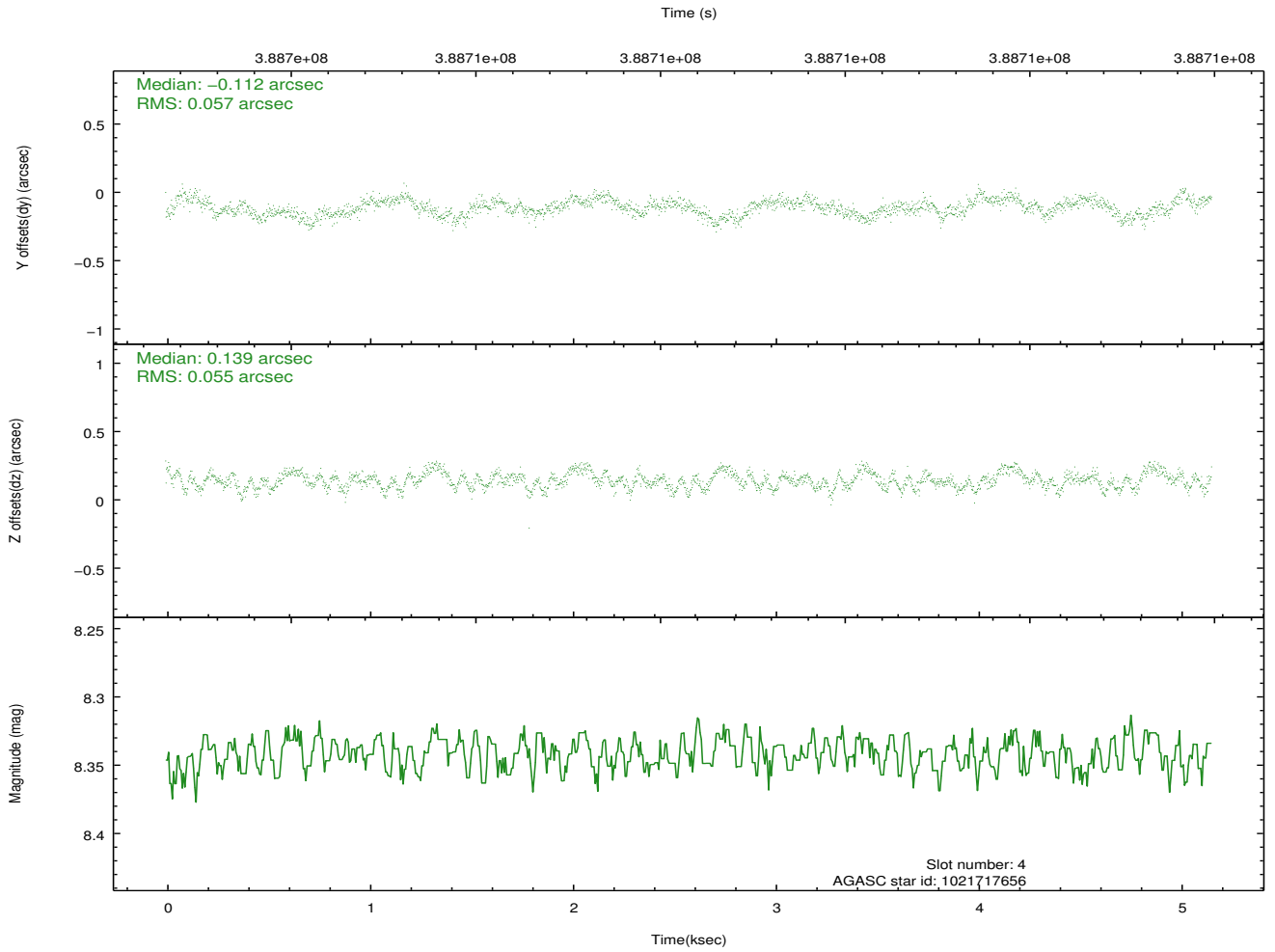
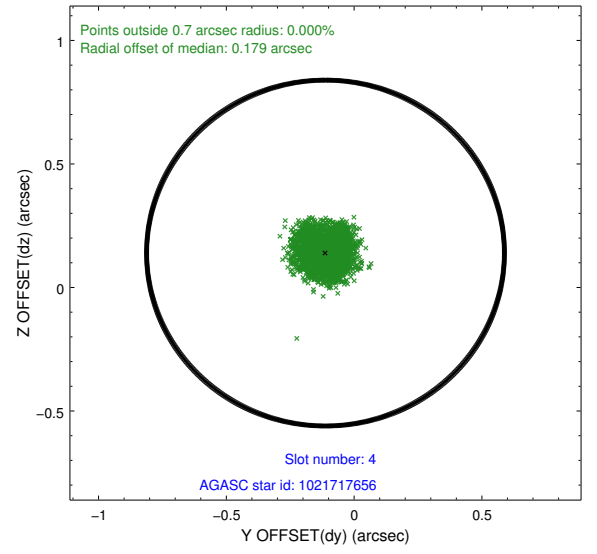
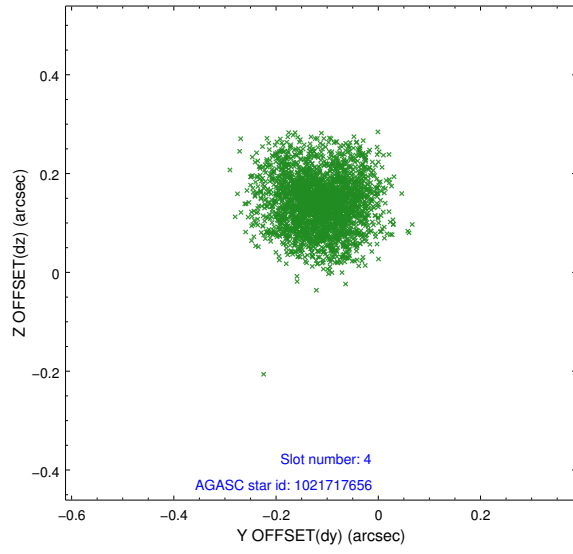
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.92	1258	-0.171	-0.089	0.008	0.014	0.000000	0.000000	-769.54	-846.09
1	FID	ACIS-I-4	6.93	1257	0.058	0.115	0.010	0.017	0.000000	0.000000	2144.21	1059.69
2	FID	ACIS-I-6	7.00	1258	0.014	0.037	0.009	0.016	0.000000	0.000000	392.23	1703.14
3	GUIDE	1021716808	8.80	2514	-0.093	-0.016	0.077	0.132	200.901189	-42.531395	-1964.31	1230.10
4	GUIDE	1021717656	8.34	2515	-0.112	0.139	0.085	0.133	201.139642	-43.082878	-572.76	-318.25
5	GUIDE	1021719704	7.57	2515	-0.019	0.063	0.062	0.096	200.511976	-43.050426	-2122.73	-896.71
6	GUIDE	1021721672	9.55	2511	-0.059	0.016	0.123	0.192	201.740358	-43.079729	864.83	334.99
7	GUIDE	1022235840	9.43	2511	0.280	-0.186	0.130	0.206	201.679306	-43.544276	1397.09	-1258.64

2.4 Star Slots

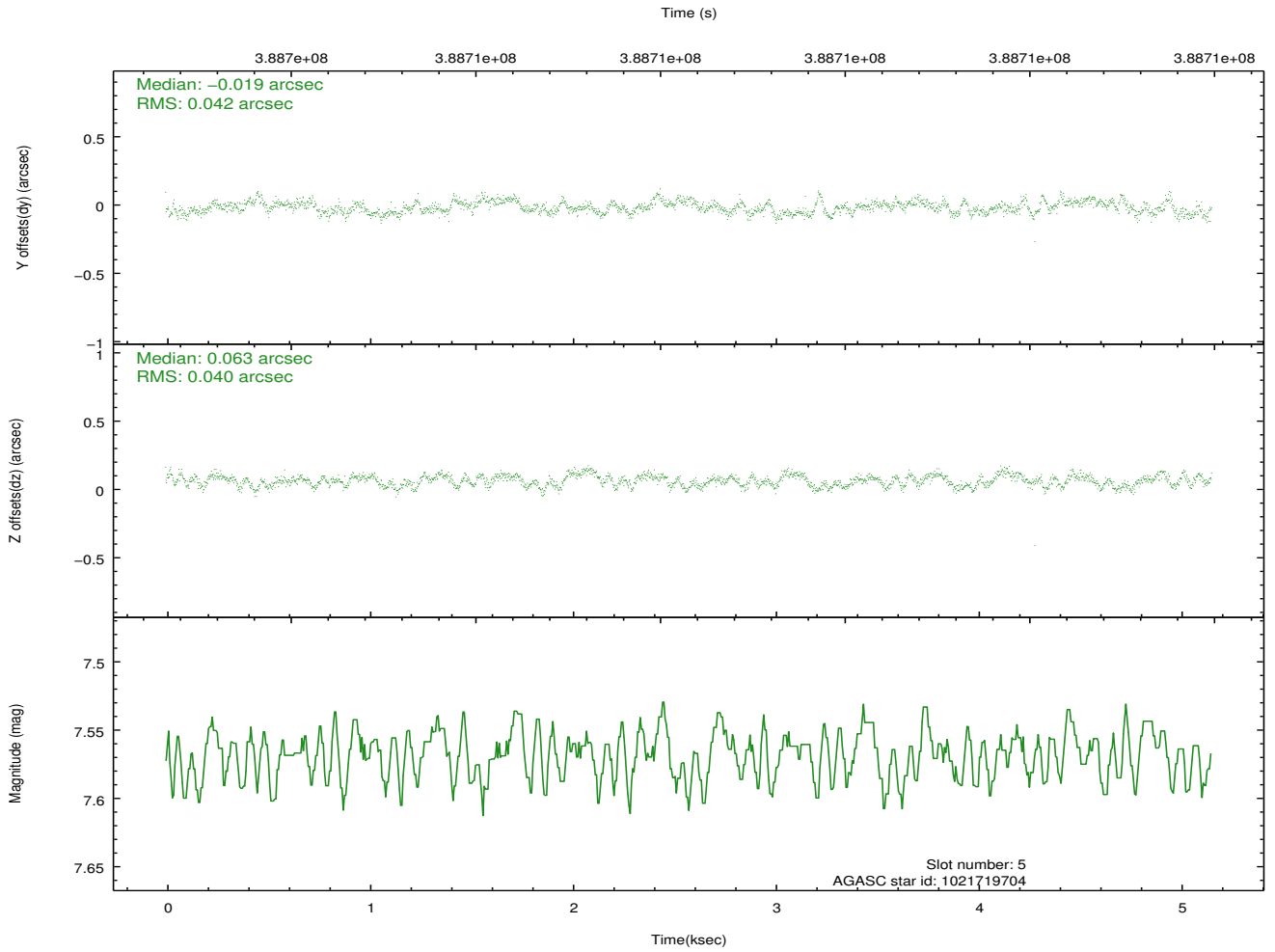
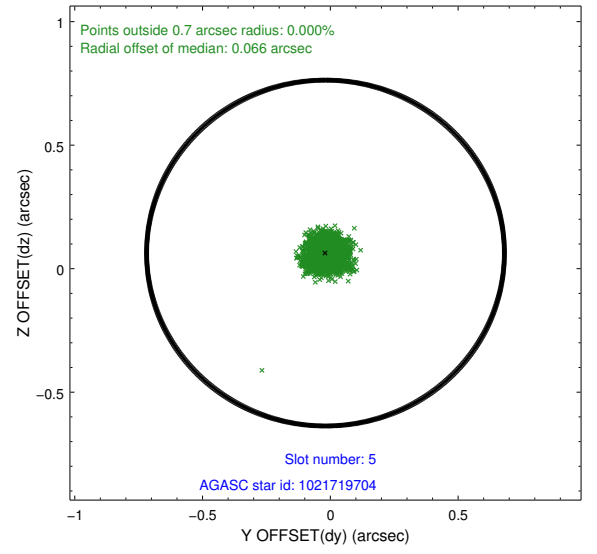
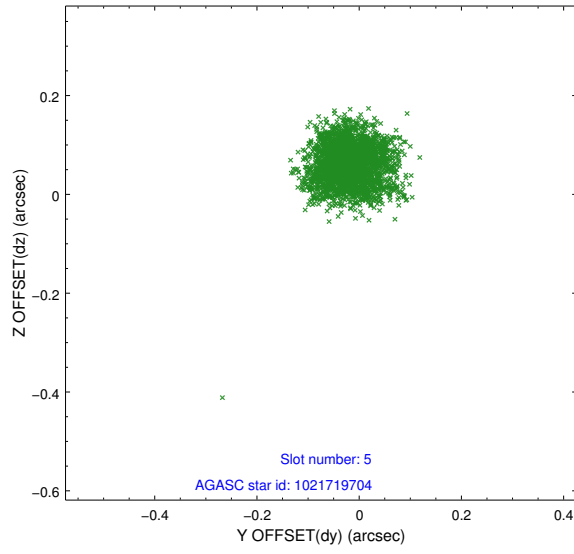
2.4.1 Slot 3



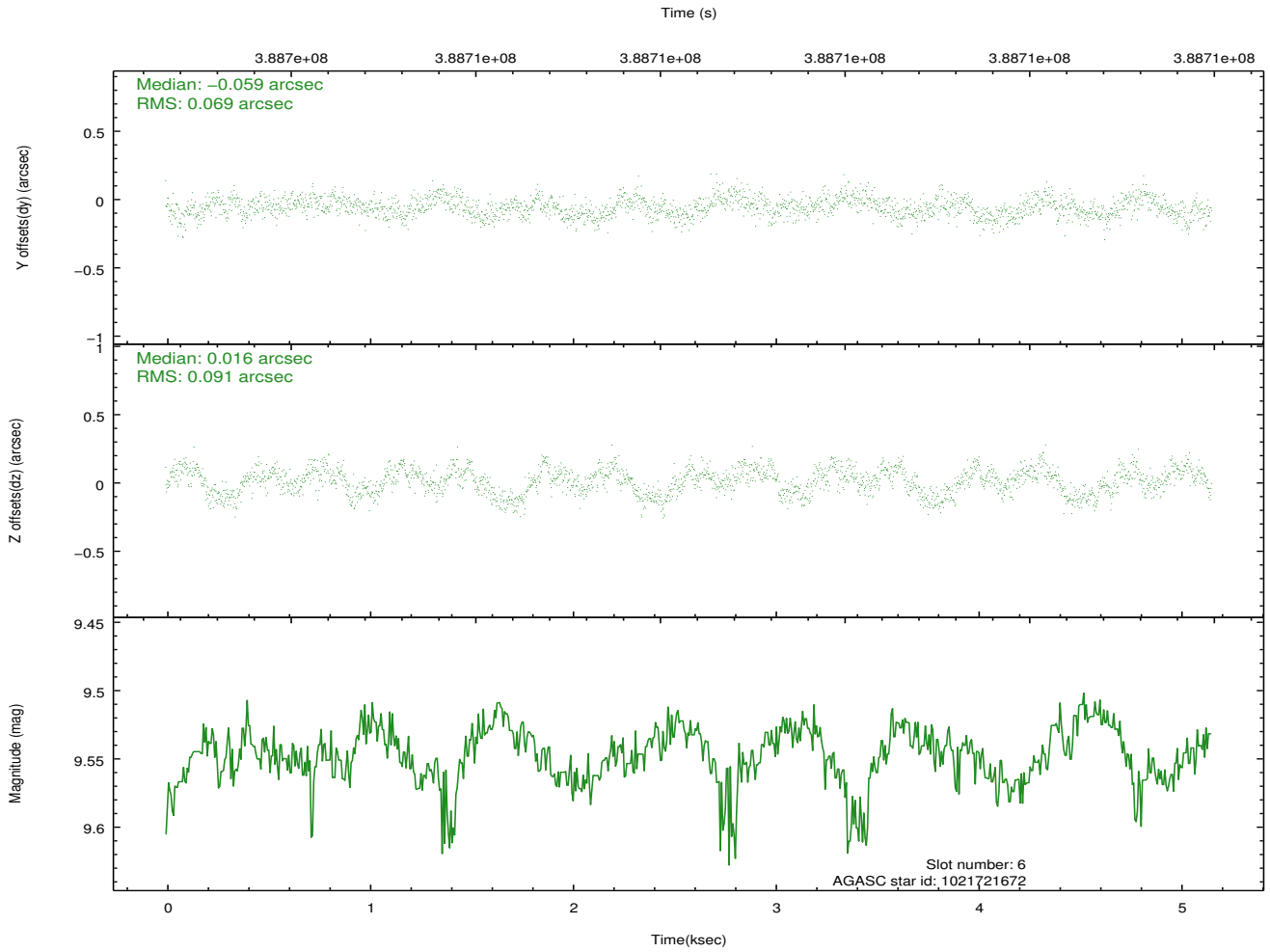
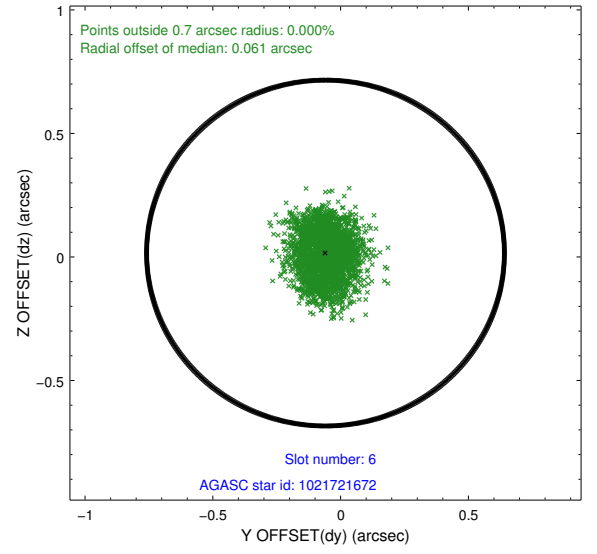
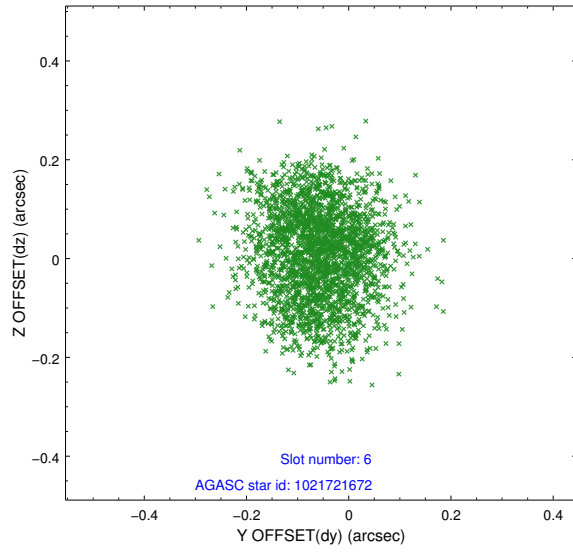
2.4.2 Slot 4



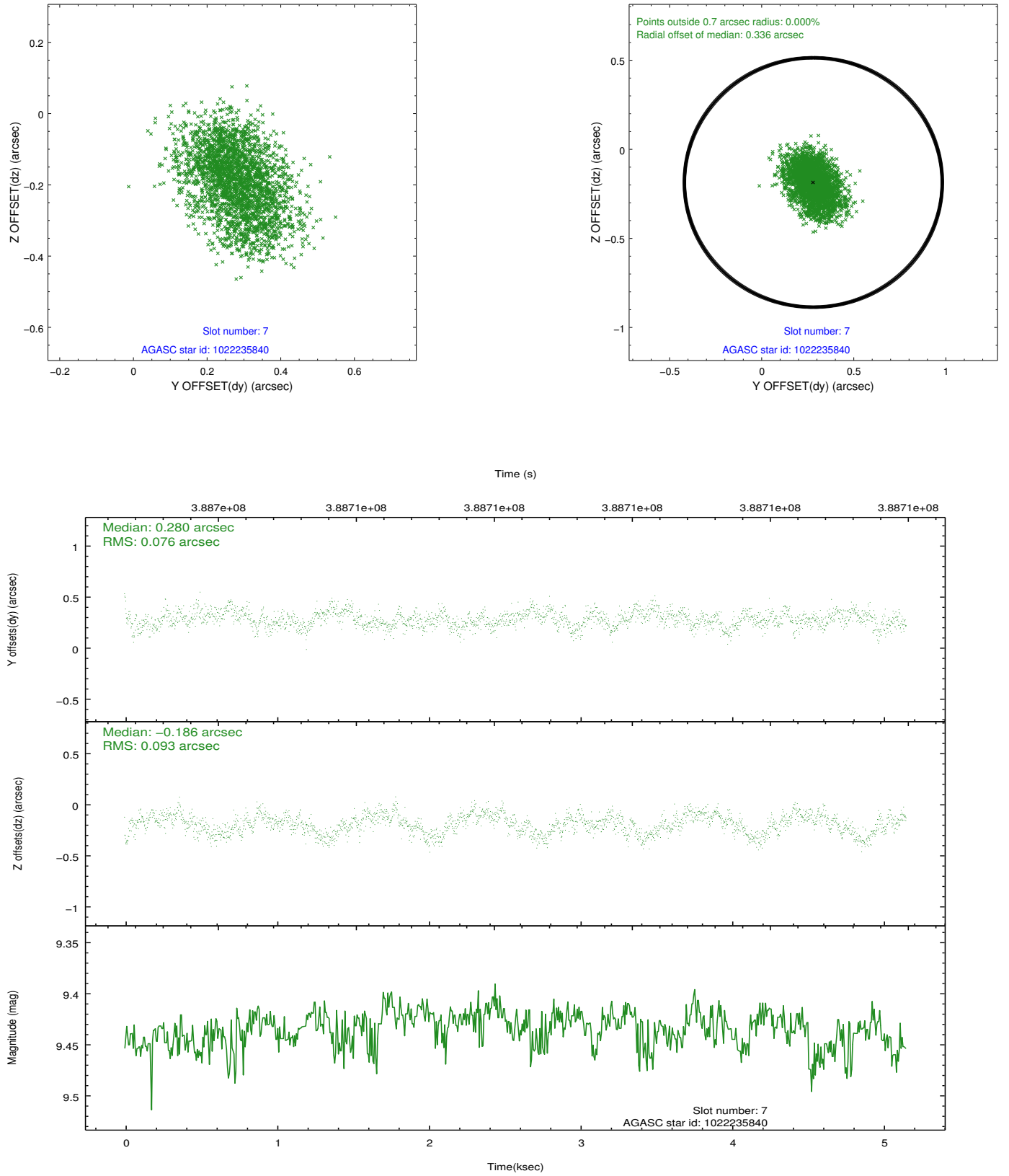
2.4.3 Slot 5



2.4.4 Slot 6

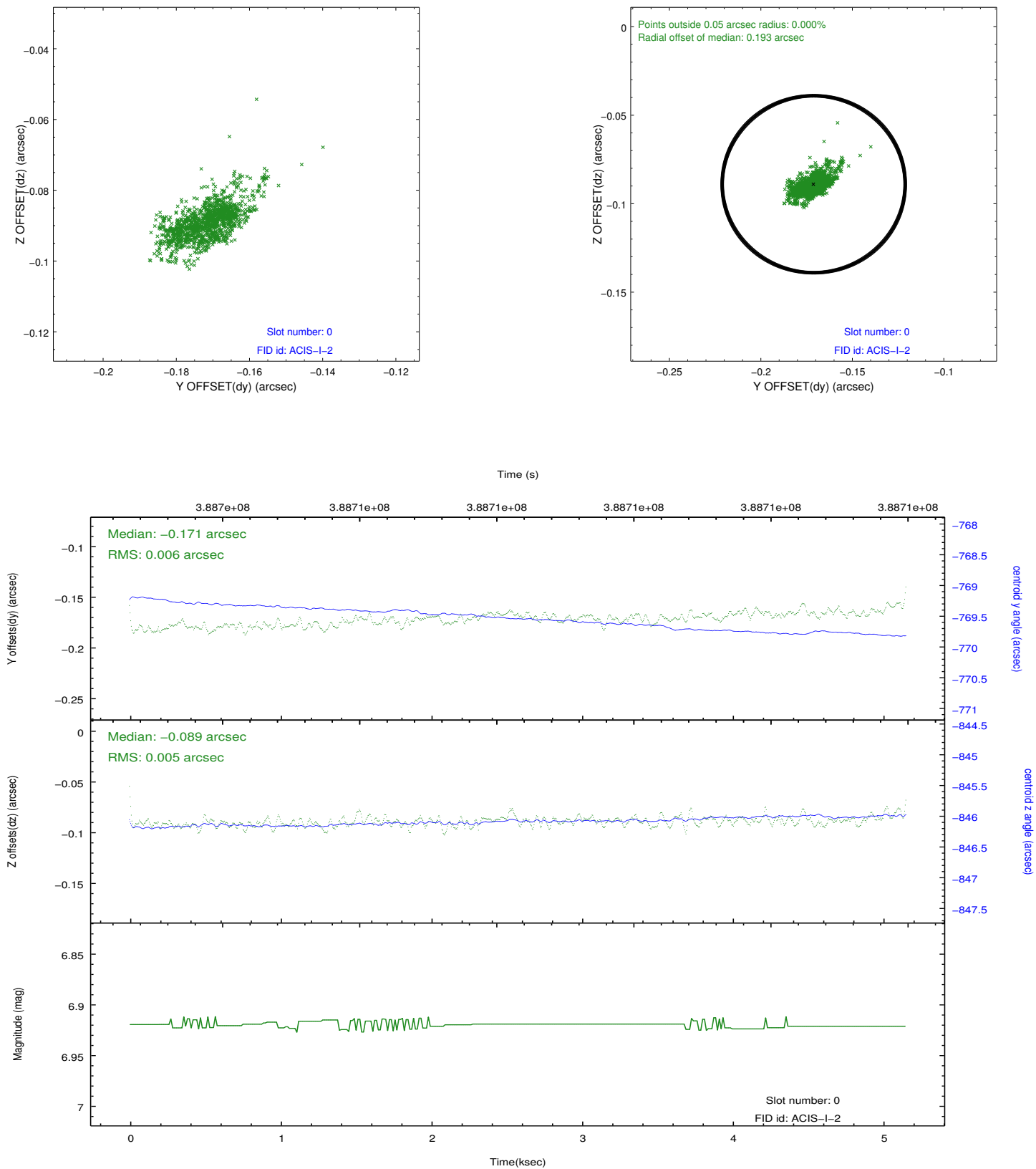


2.4.5 Slot 7

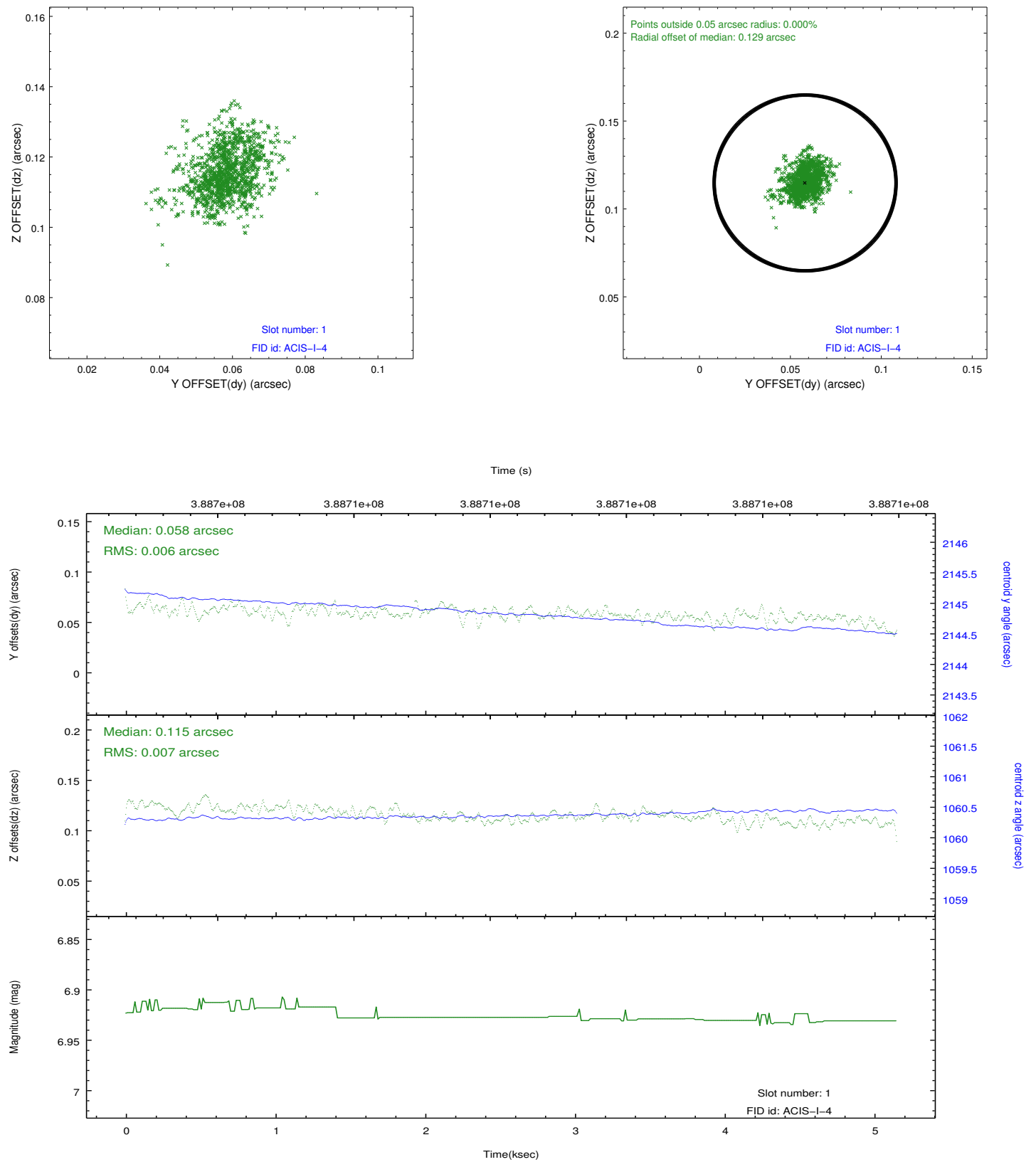


2.5 FID Slots

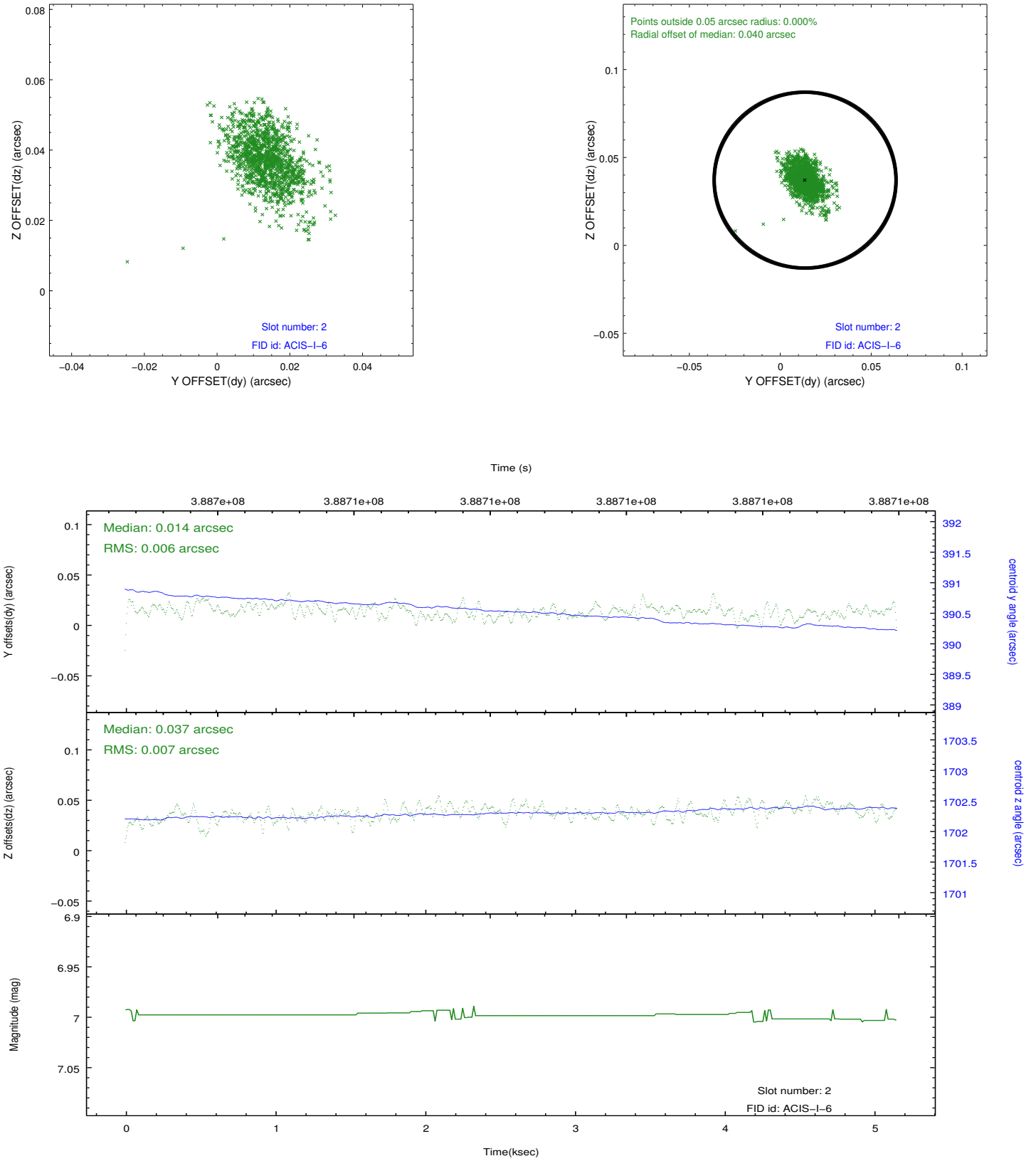
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7517967258096

A.2 Comments