

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11847 - L2 Version 2
Chandra X-Ray Center

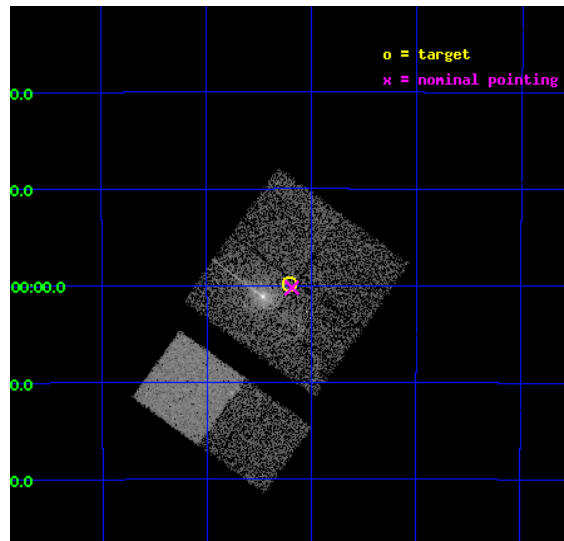
L2 Processing Date : Jul 3 2012

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1 Front

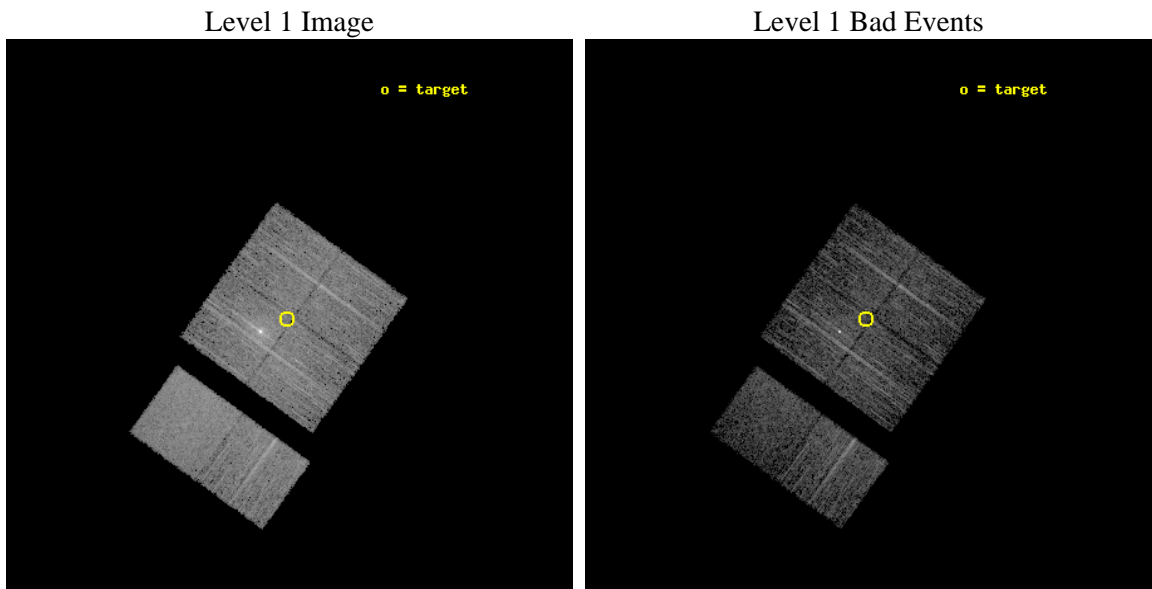
seq_num	702295	Sequence number
obs_id	11847	Observation id
title	Monitoring of the X-ray Jet and LMXB population of Centaurus A	Pro
observer	Dr. Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.303333	Observer's specified target RA [deg]
dec_targ	-42.997556	Observer's specified target Dec [deg]
ra_nom	201.29662433755	Nominal RA [deg]
dec_nom	-43.003974176818	Nominal Dec [deg]
roll_nom	215.77906661055	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5049.5999812484	Sum of GTIs [s]
livetime	4985.6589057817	Livetime [s]
ontime0	5046.3590407372	Sum of GTIs [s]
ontime1	5049.5999812484	Sum of GTIs [s]
ontime2	5049.5999812484	Sum of GTIs [s]
ontime3	5049.5999812484	Sum of GTIs [s]
ontime6	5049.5999812484	Sum of GTIs [s]
ontime7	5049.5999812484	Sum of GTIs [s]
l2events	46395	Number of level 2 events



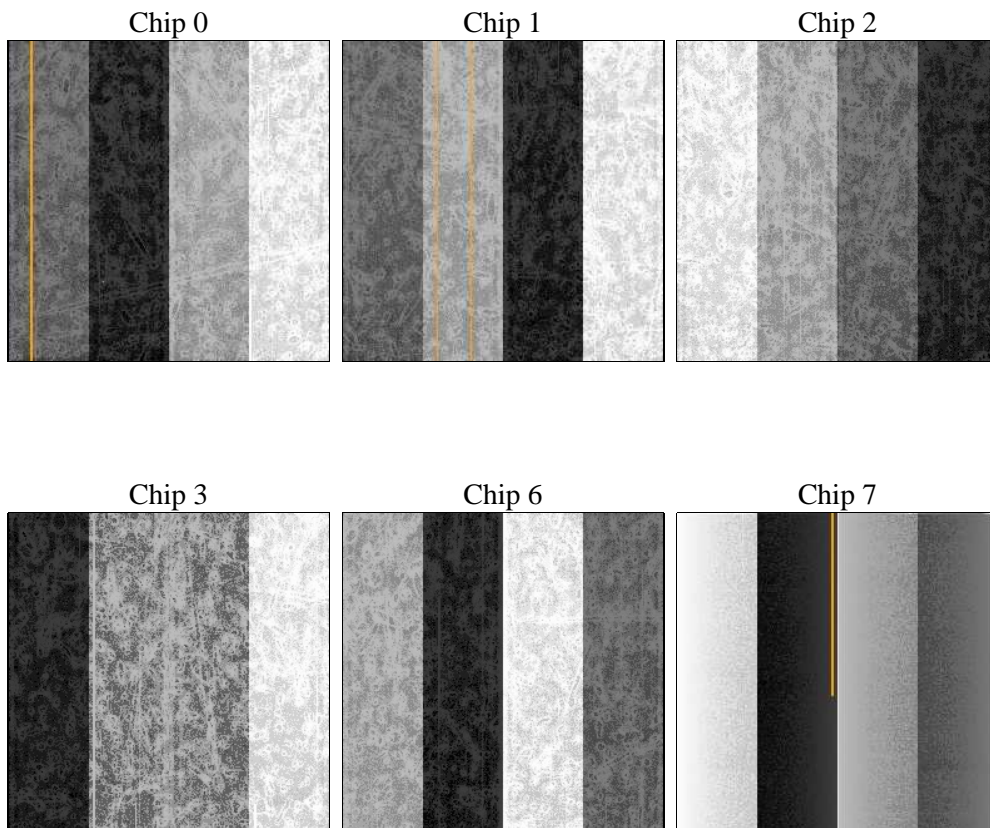
2 OBI

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	5049.5999812484	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	5046.3590407372	Sum of GTIs [s]
date	2012-07-03T07:44:40	Date and time of file creation	ontime1	5049.5999812484	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5049.5999812484	Sum of GTIs [s]
			ontime3	5049.5999812484	Sum of GTIs [s]
			ontime6	5049.5999812484	Sum of GTIs [s]
			ontime7	5049.5999812484	Sum of GTIs [s]
			l1events	227827	Number of level 1 events

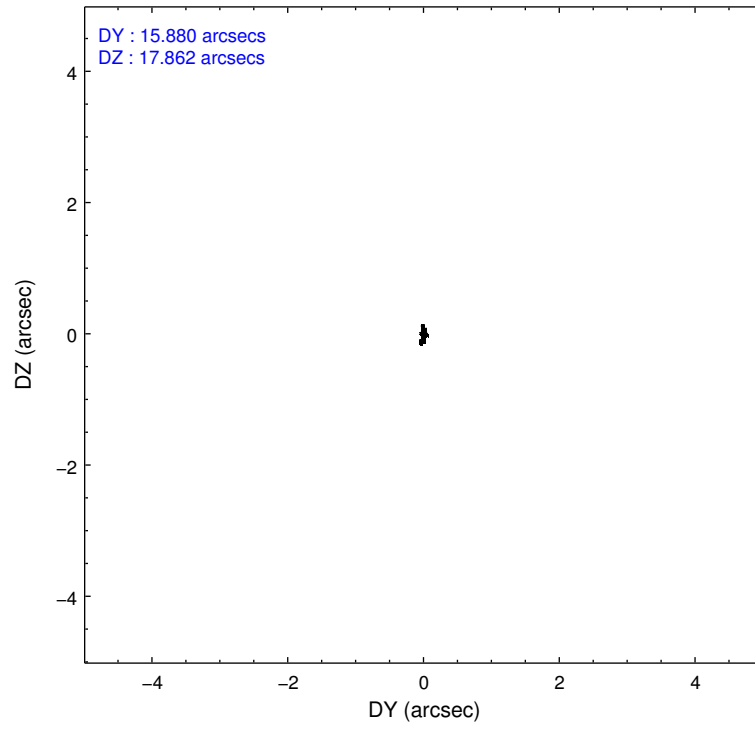
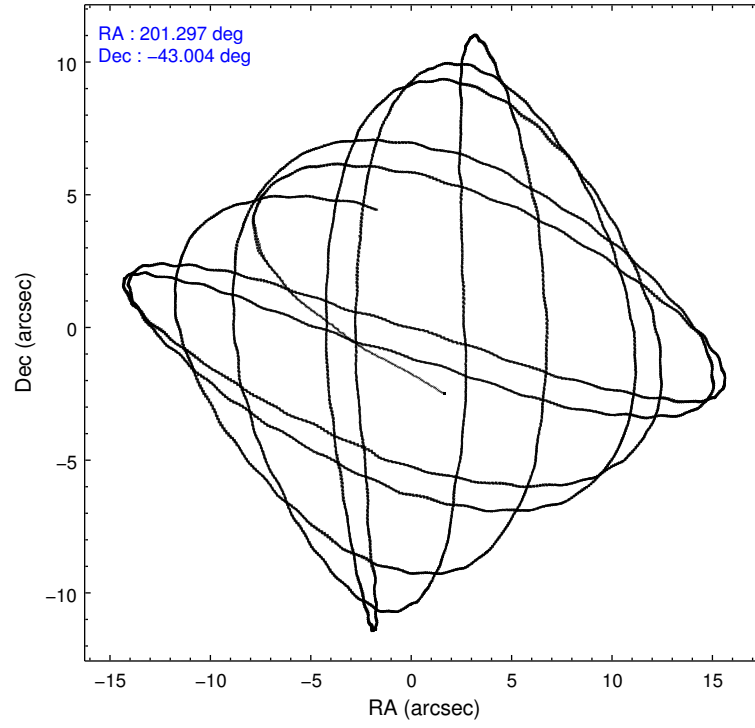
2.1.4 Events

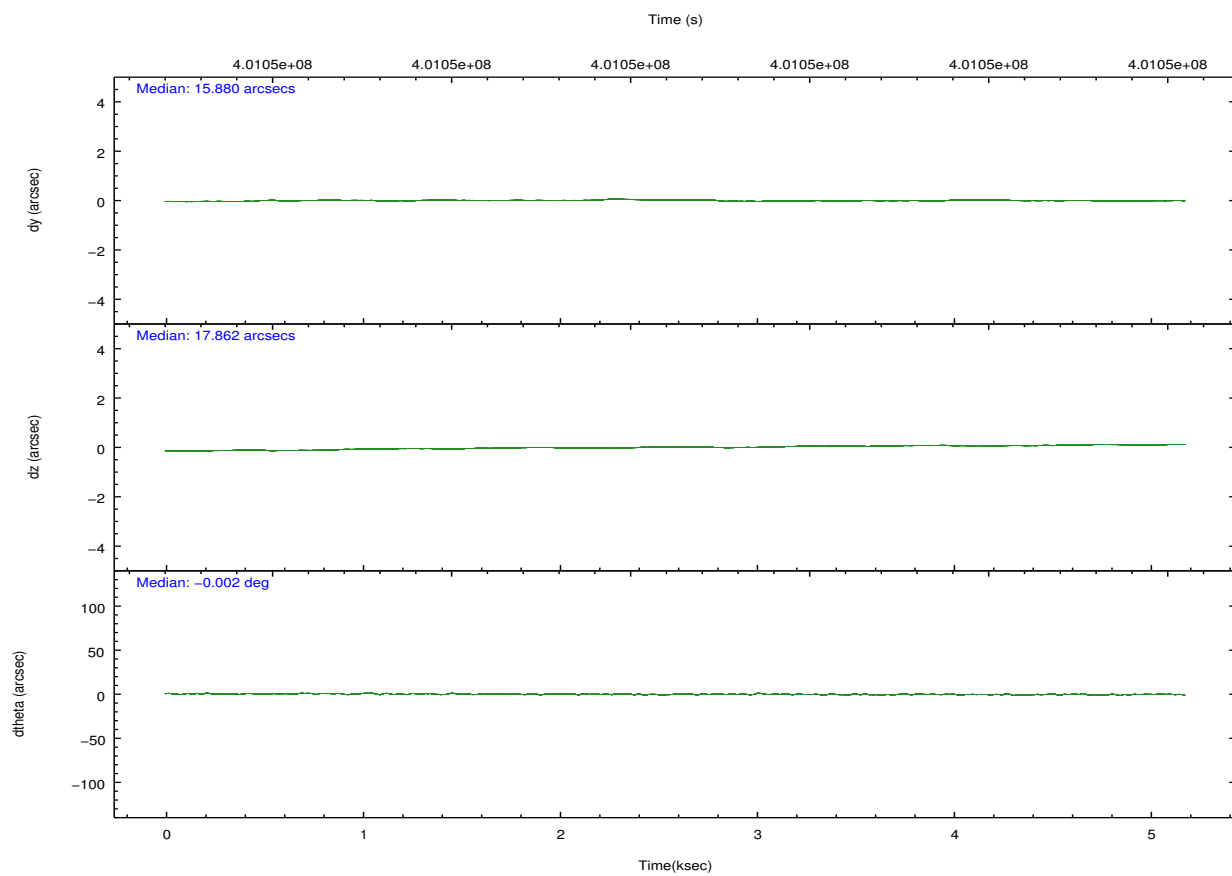
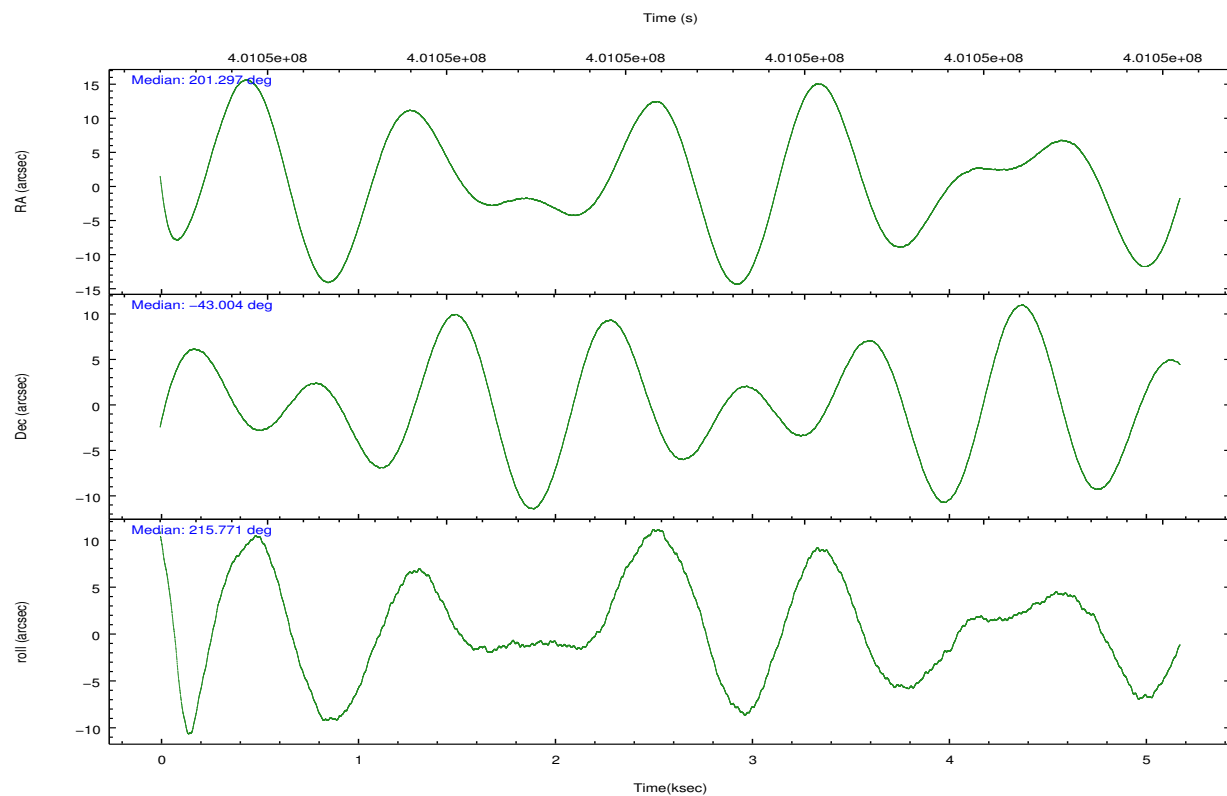
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	32720	33099	36823	44024	36755	44406	grade 0 events	1670	2019	2502	6669	1638	2042
rejected events	28513	28159	31570	32425	32393	23888		5%	6%	6%	15%	4%	4%
rejected %	87%	85%	85%	73%	88%	53%	grade 1 events	20	21	29	255	24	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	948	1125	1119	1886	958	4349
								2%	3%	3%	4%	2%	9%
							grade 3 events	413	491	398	821	440	1853
								1%	1%	1%	1%	1%	4%
							grade 4 events	395	474	464	790	438	1885
								1%	1%	1%	1%	1%	4%
							grade 5 events	1475	1515	1362	1896	1610	4603
								4%	4%	3%	4%	4%	10%
							grade 6 events	781	835	773	1451	899	10410
								2%	2%	2%	3%	2%	23%
							grade 7 events	27018	26619	30176	30256	30748	19208
								82%	80%	81%	68%	83%	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	201.311967	201.2966243375452	CCD I2 on	Y	Y
[deg] Pointing Dec	-42.978893	-43.00397417681813	CCD I3 on	Y	Y
[deg] Pointing Roll	215.580817	215.7790666105457	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)	401046826.184000	401045811.76234	CCD S5 on	N	N
Observation start date	2010-09-16T17:52:40	2010-09-16T17:36:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	401051826.184000	401052638.26269	On-chip summing requested	N	N
Observation end date	2010-09-16T19:16:00	2010-09-16T19:30:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



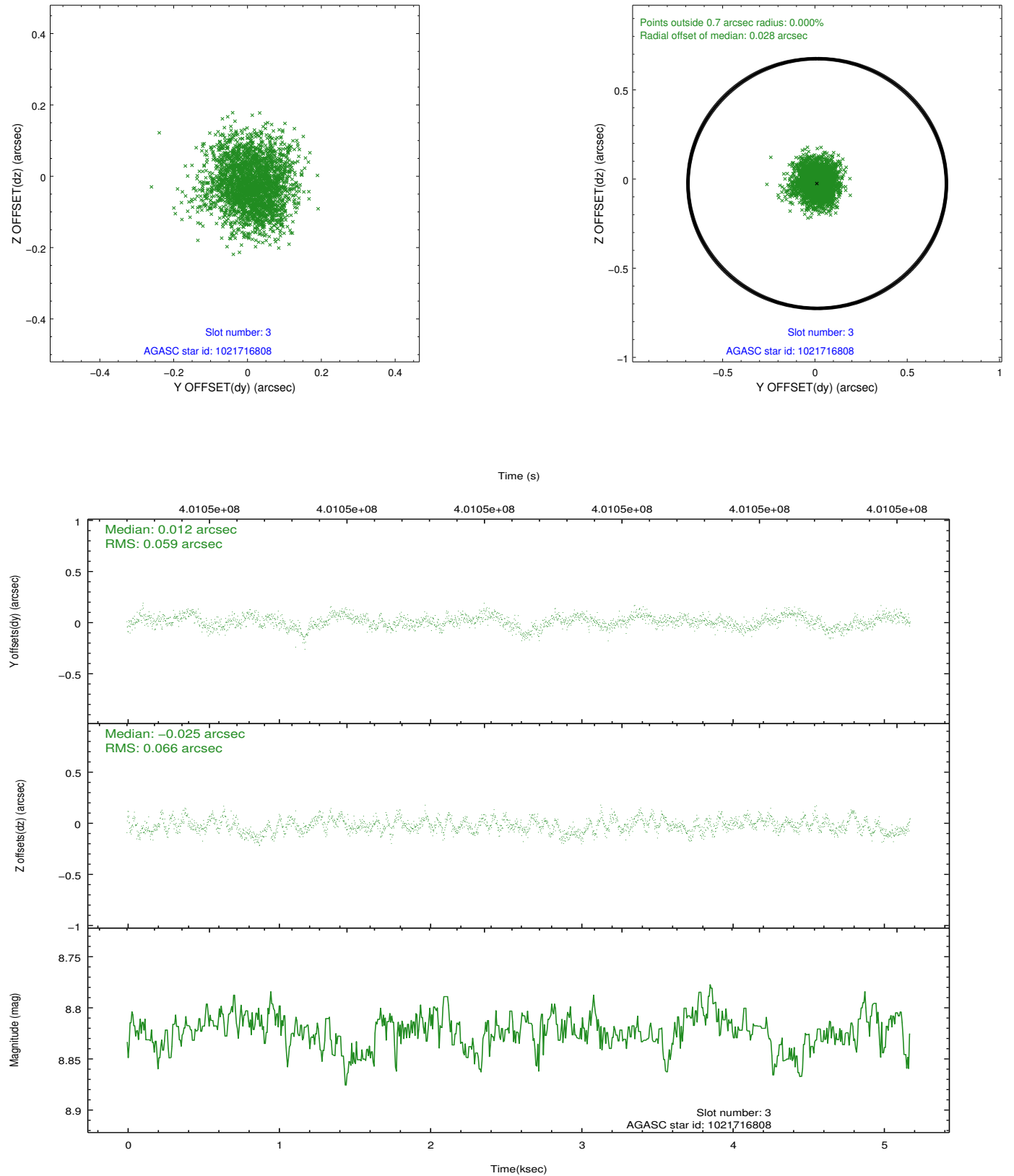


Slot Statistics

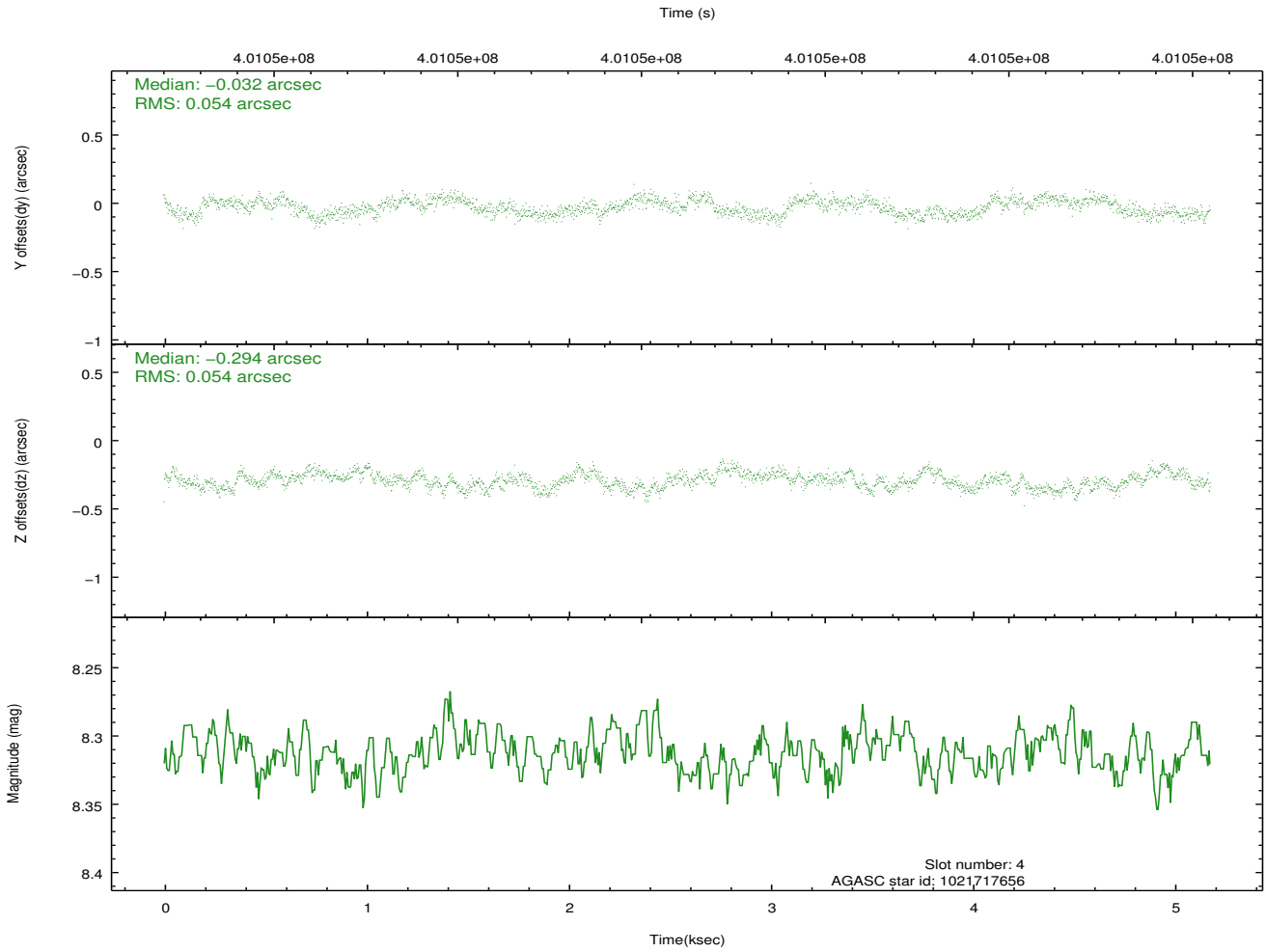
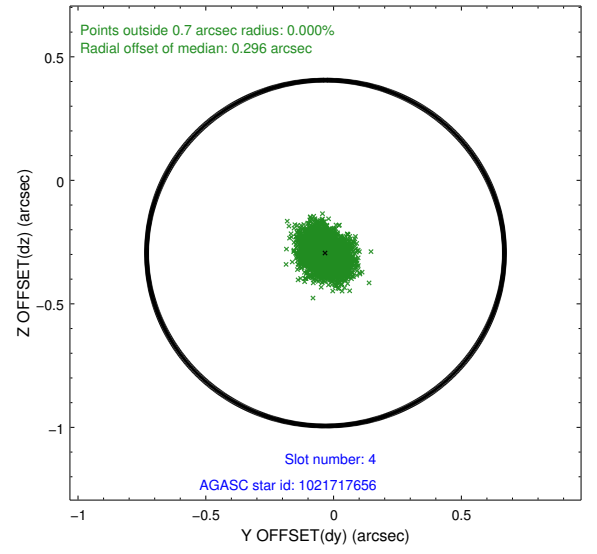
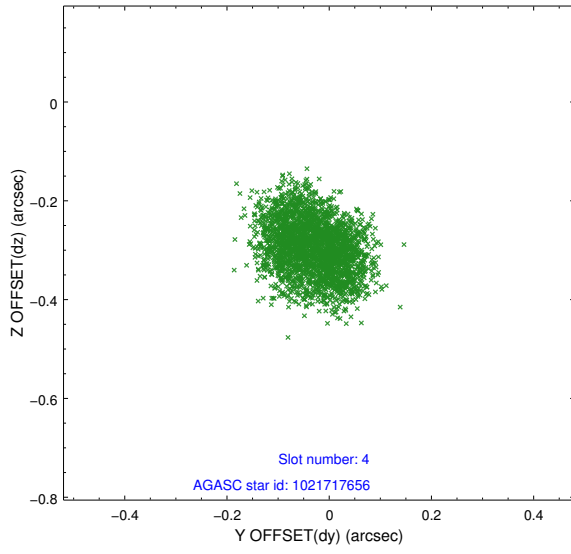
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	1263	0.033	0.026	0.006	0.011	0.000000	0.000000	923.58	-841.51
1	FID	ACIS-I-5	6.98	1262	-0.193	0.051	0.006	0.010	0.000000	0.000000	-1824.10	1055.42
2	FID	ACIS-I-6	7.00	1263	0.068	-0.006	0.007	0.011	0.000000	0.000000	387.90	1701.19
3	GUIDE	1021716808	8.82	2524	0.012	-0.025	0.094	0.151	200.901189	-42.531395	-48.62	-1941.66
4	GUIDE	1021717656	8.31	2525	-0.032	-0.294	0.083	0.125	201.139642	-43.082878	586.90	40.69
5	GUIDE	1021719704	7.58	2526	-0.005	0.067	0.090	0.144	200.511976	-43.050426	1867.96	-1005.95
6	GUIDE	1021721672	9.54	2525	0.023	0.131	0.123	0.229	201.740358	-43.079729	-702.13	953.09
7	GUIDE	1021710744	9.53	2515	0.005	0.126	0.124	0.197	200.439730	-42.620559	1136.08	-2382.74

2.4 Star Slots

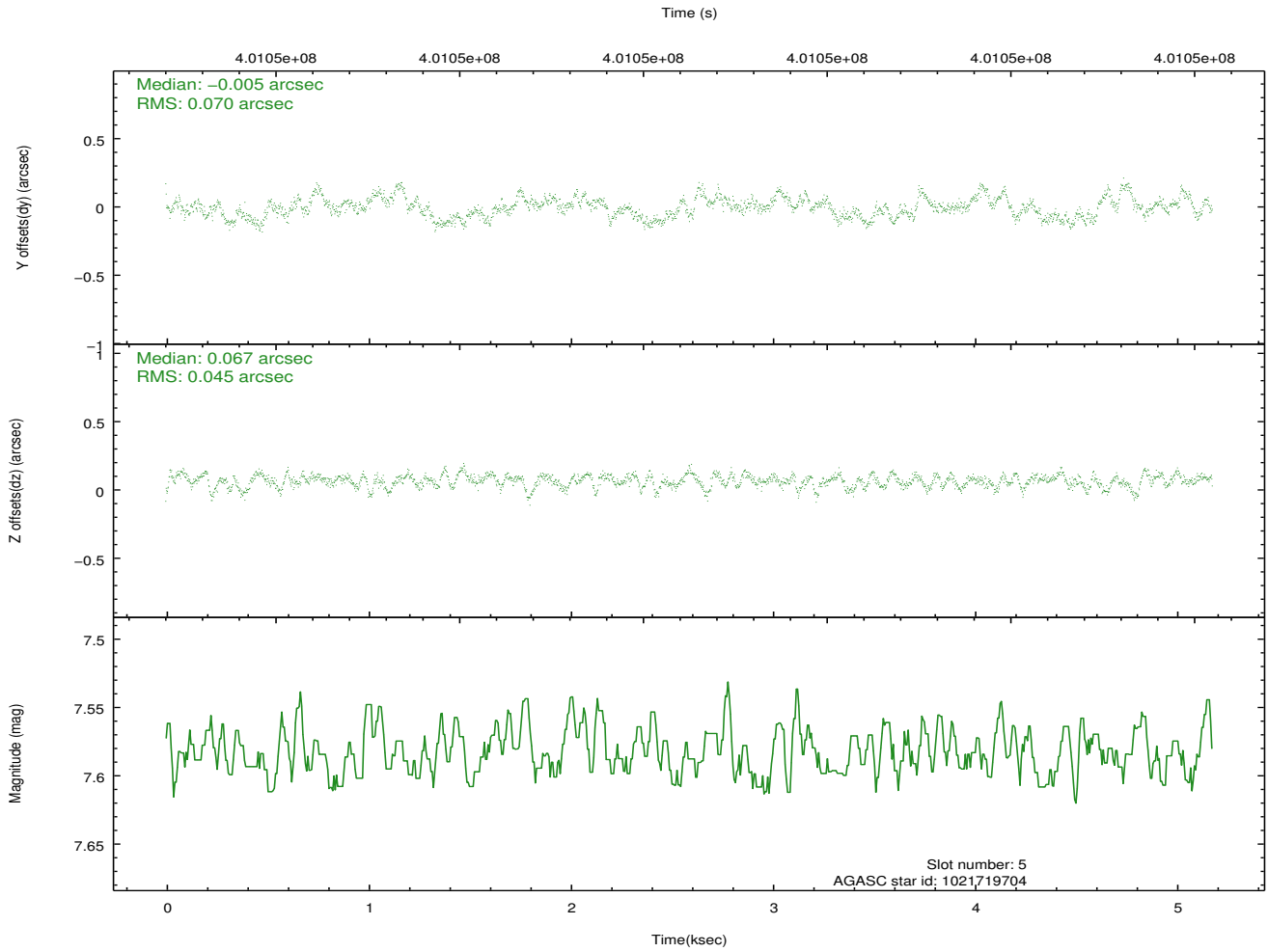
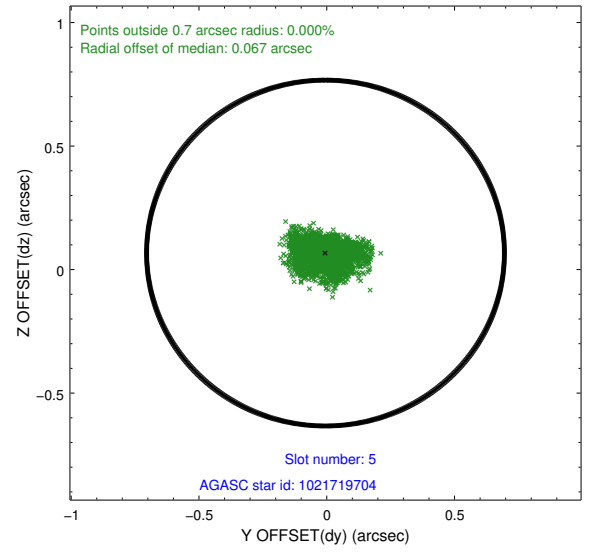
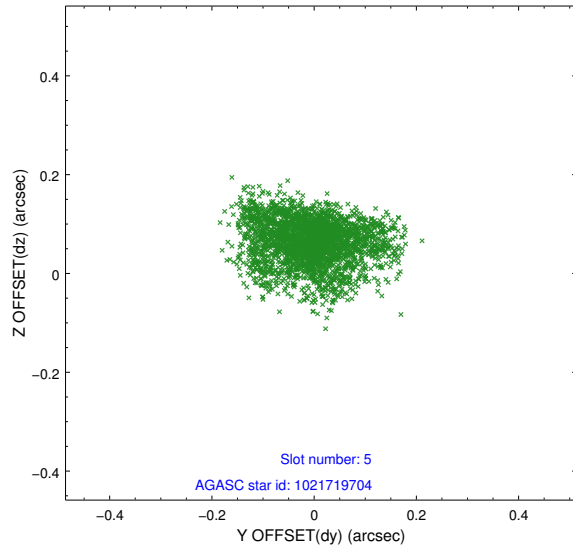
2.4.1 Slot 3



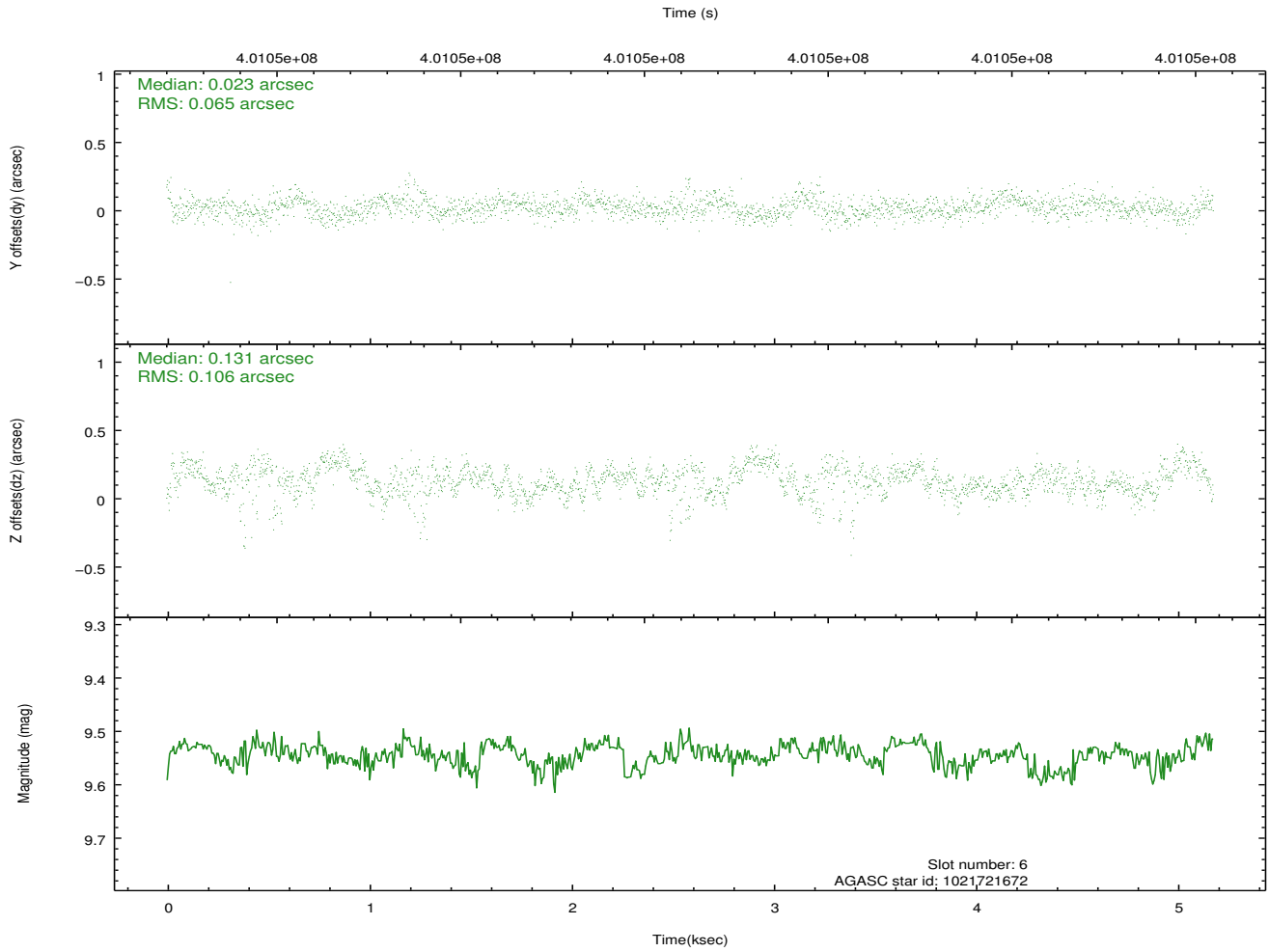
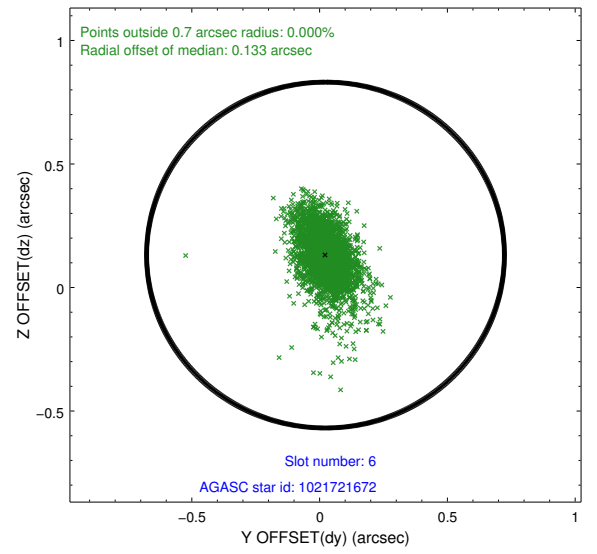
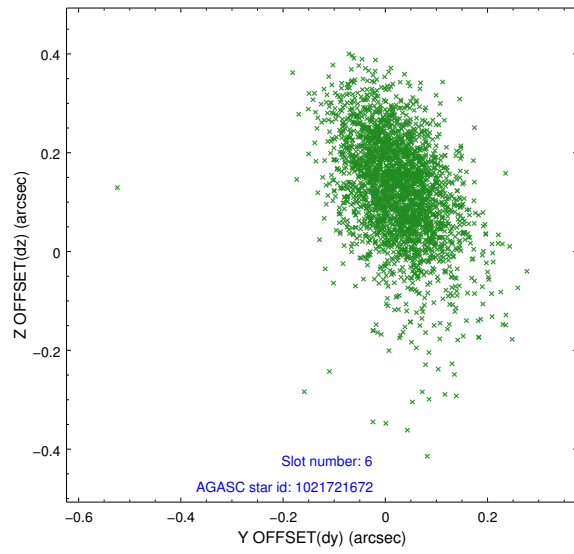
2.4.2 Slot 4



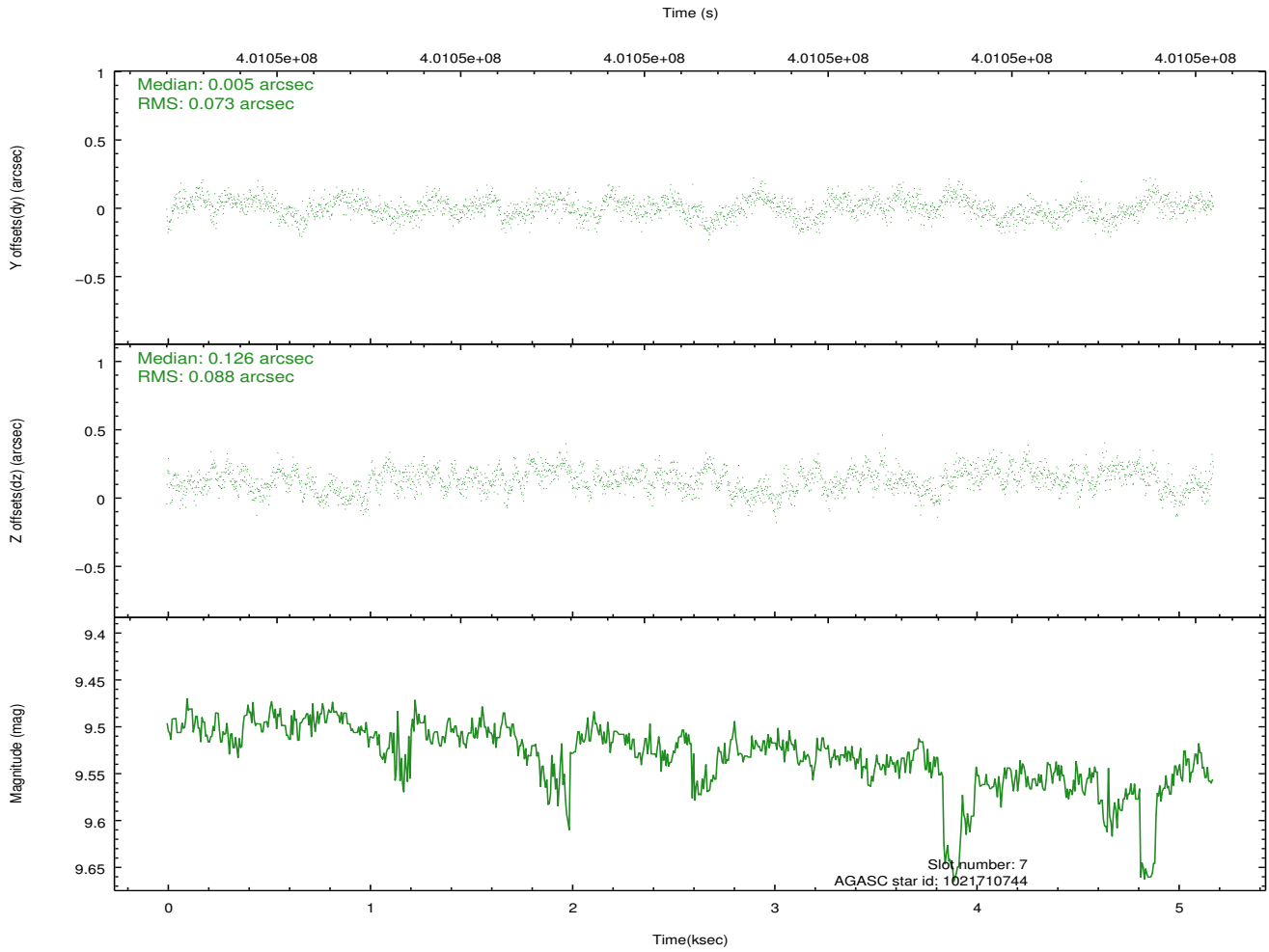
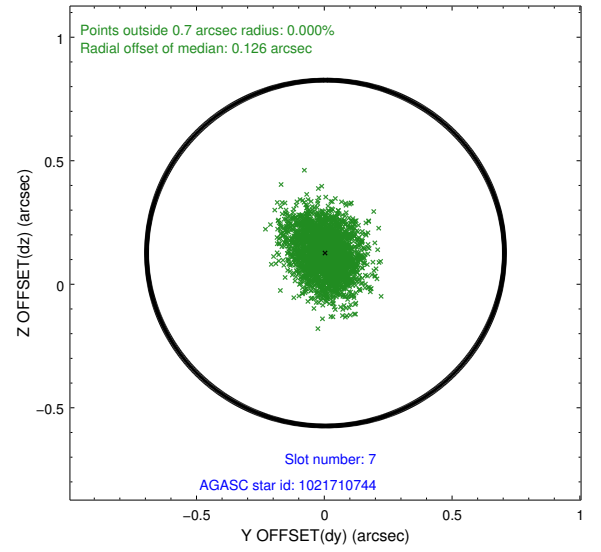
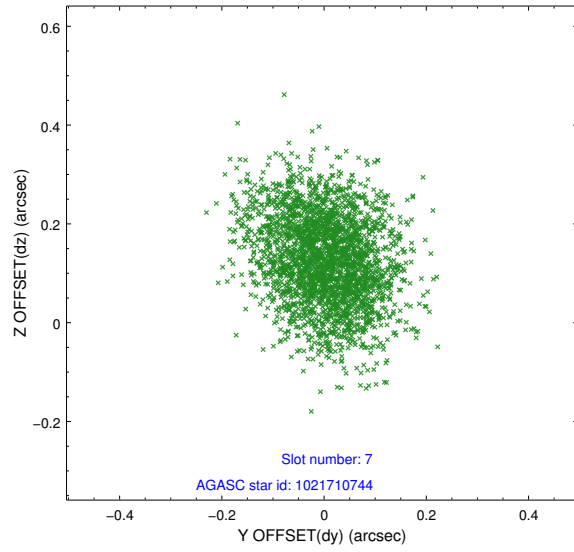
2.4.3 Slot 5



2.4.4 Slot 6

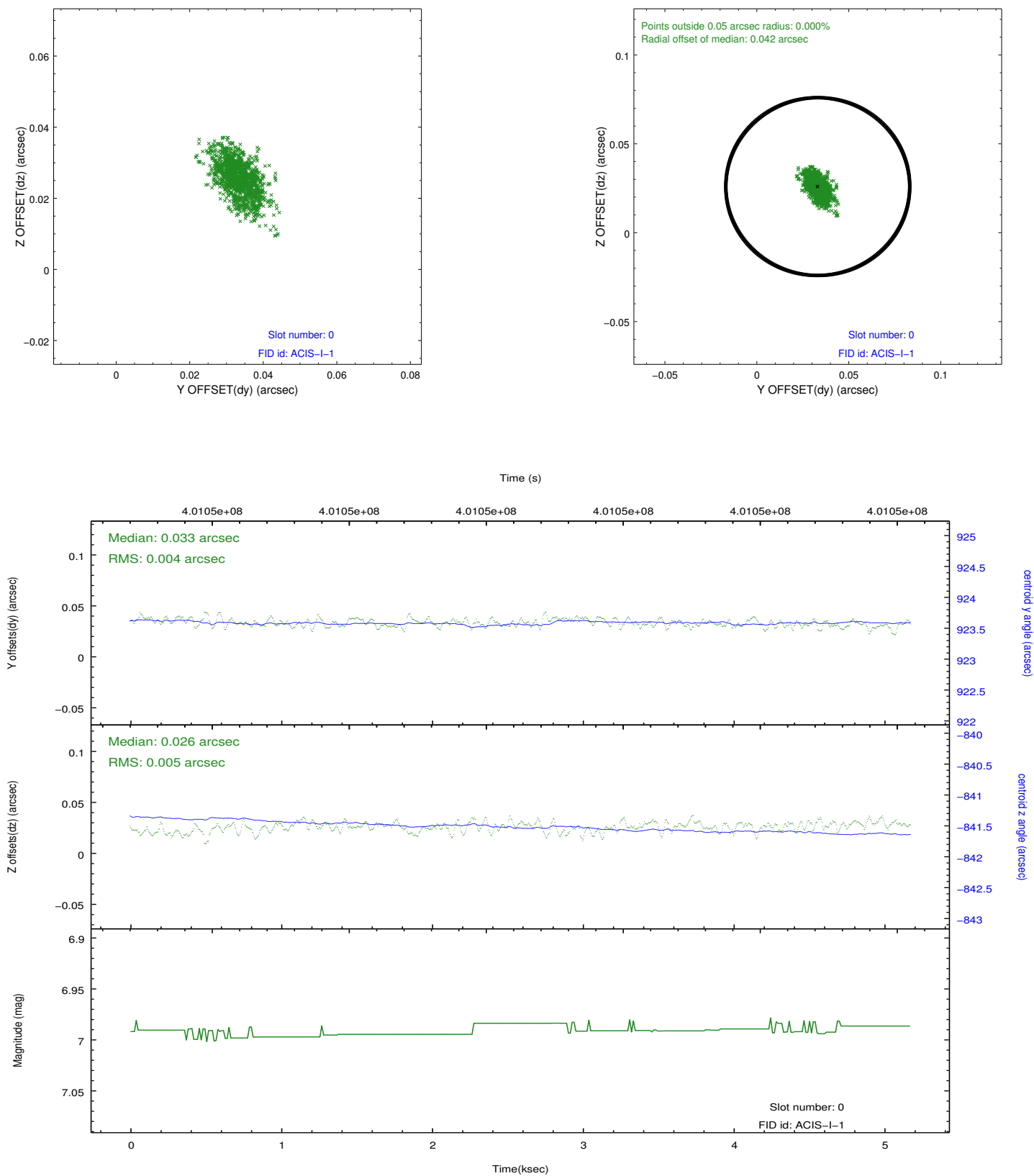


2.4.5 Slot 7

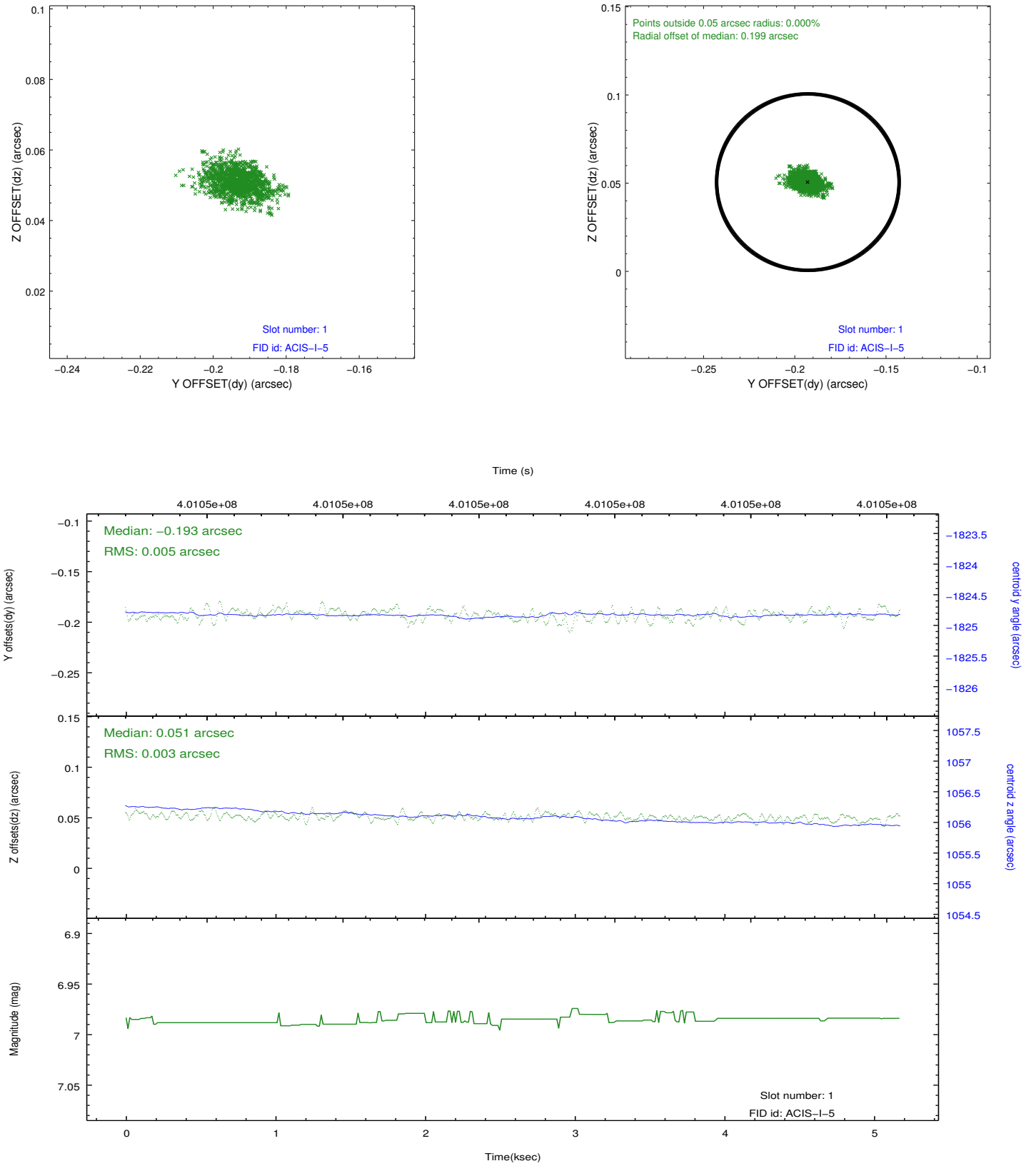


2.5 FID Slots

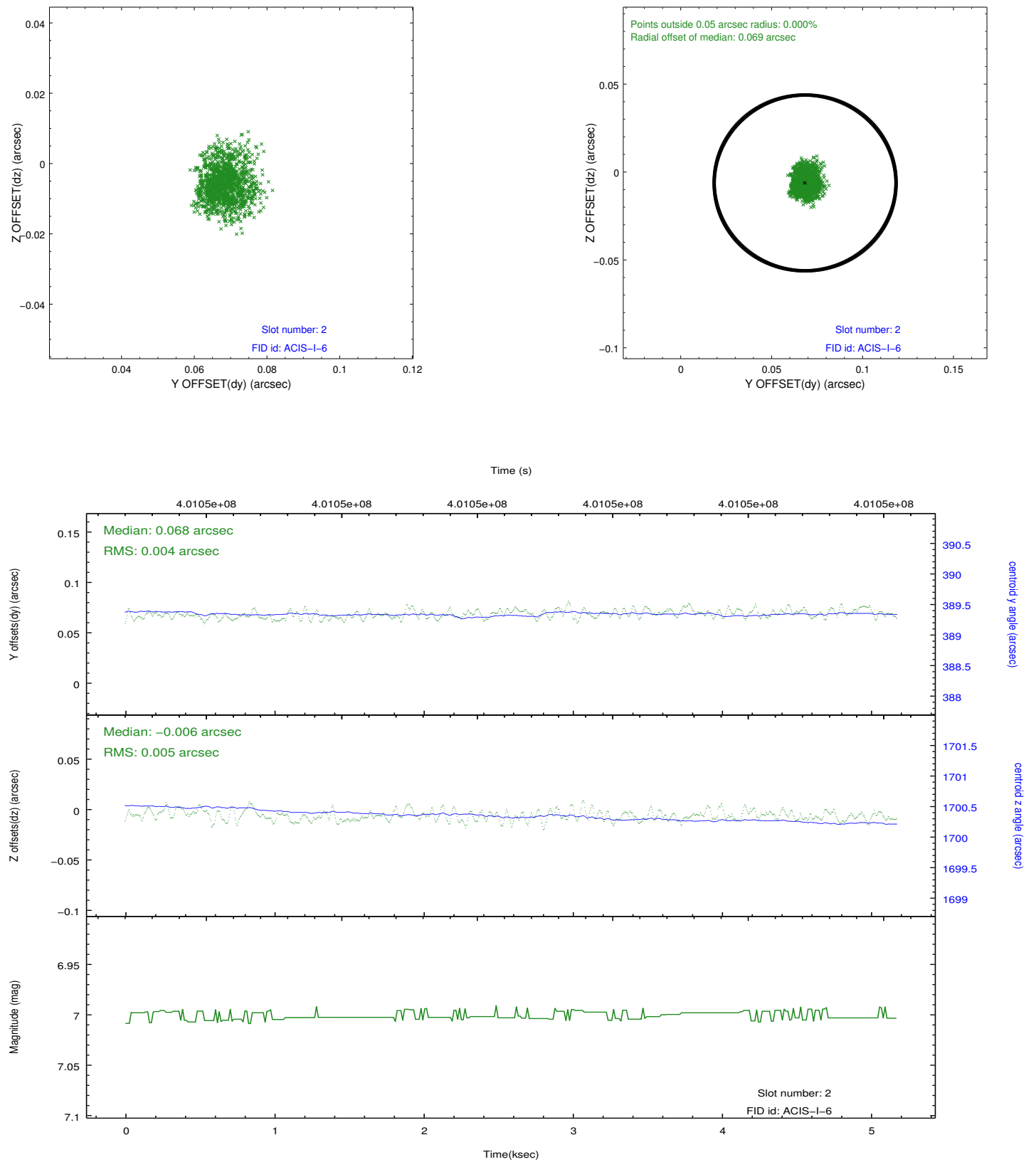
2.5.1 Slot 0



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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0495999812484

A.2 Comments

Monitor constraint met, follows obs11846 by 143 days.