

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13303 - L2 Version 1
Chandra X-Ray Center

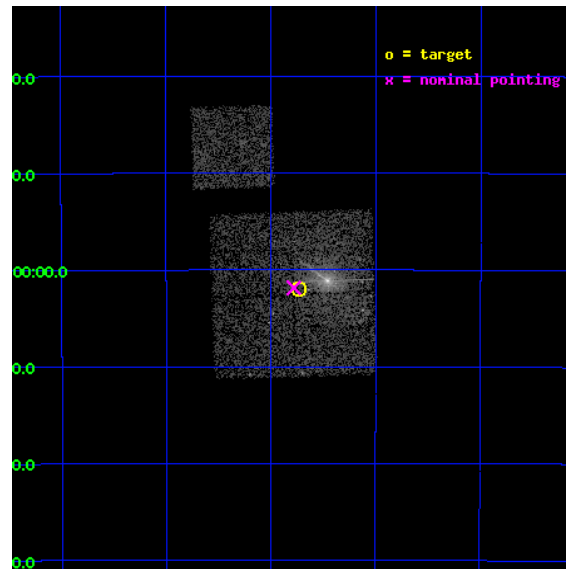
L2 Processing Date : Apr 14 2012

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1 Front

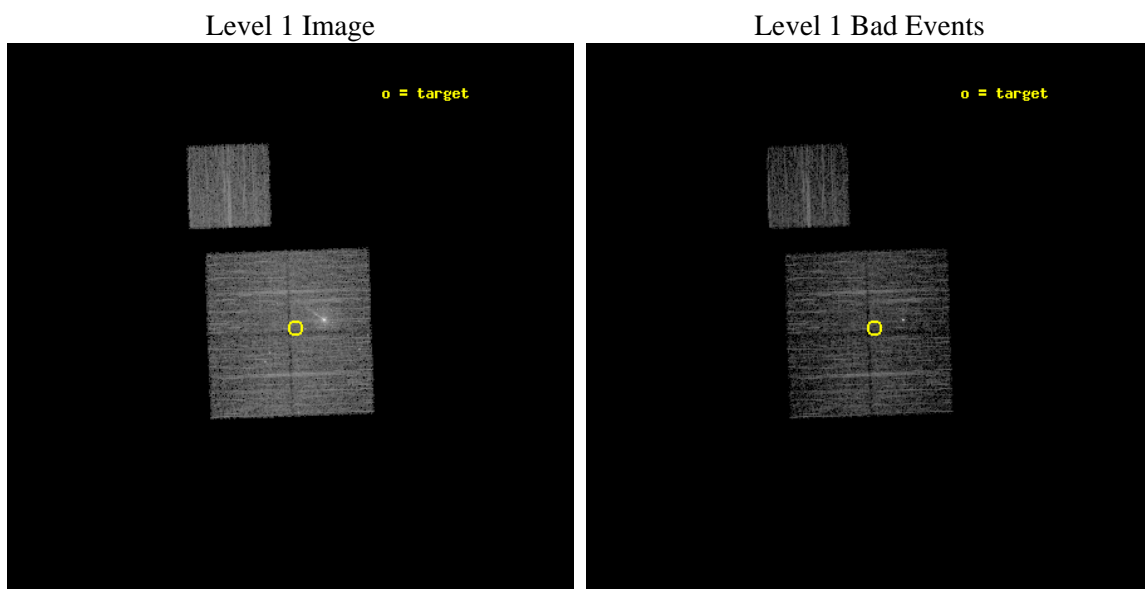
seq_num	702512	Sequence number
obs_id	13303	Observation id
title	Monitoring the Jet and the LMXB population in Centaurus A	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.43455	Observer's specified target RA [deg]
dec_targ	-43.033303	Observer's specified target Dec [deg]
ra_nom	201.44533036832	Nominal RA [deg]
dec_nom	-43.031133761693	Nominal Dec [deg]
roll_nom	358.05533390866	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5582.0204401016	Sum of GTIs [s]
livetime	5509.087233628	Livetime [s]
ontime0	5581.8973200917	Sum of GTIs [s]
ontime1	5581.938360095	Sum of GTIs [s]
ontime2	5581.9794000983	Sum of GTIs [s]
ontime3	5582.0204401016	Sum of GTIs [s]
ontime6	5581.8562800884	Sum of GTIs [s]
l2events	29423	Number of level 2 events



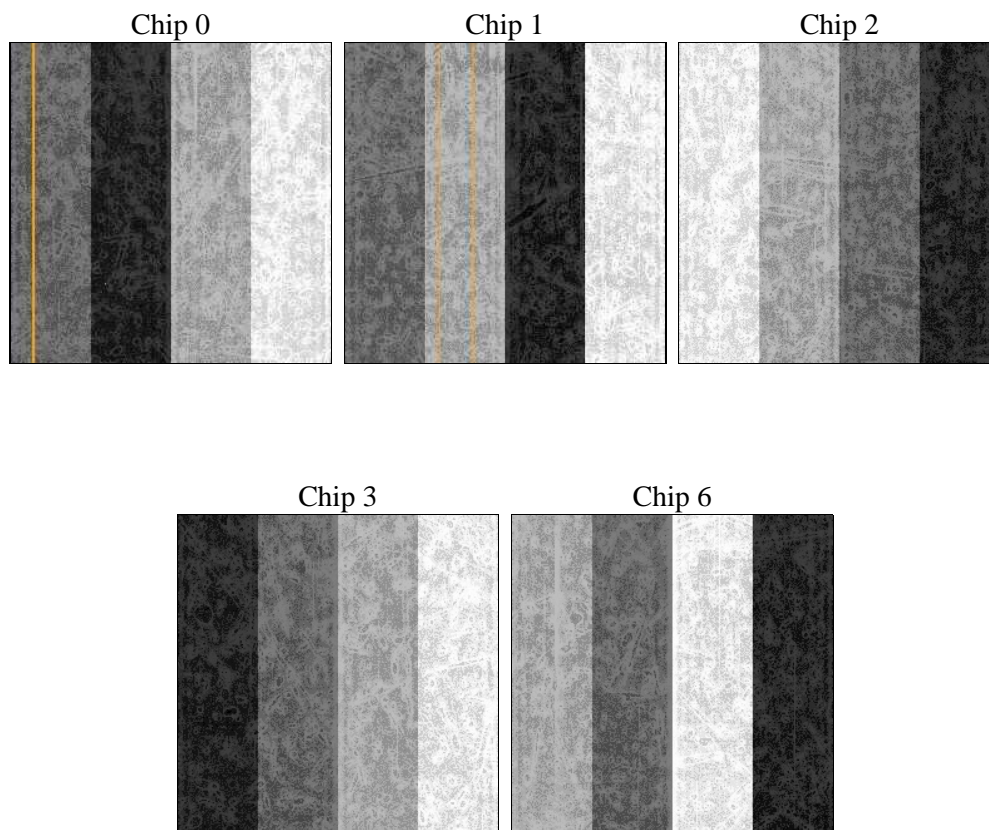
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5503.781000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5582.0204401016	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5581.8973200917	Sum of GTIs [s]
date	2012-04-14T16:11:13	Date and time of file creation	ontime1	5581.938360095	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5581.9794000983	Sum of GTIs [s]
			ontime3	5582.0204401016	Sum of GTIs [s]
			ontime6	5581.8562800884	Sum of GTIs [s]
			l1events	177986	Number of level 1 events

2.1.4 Events

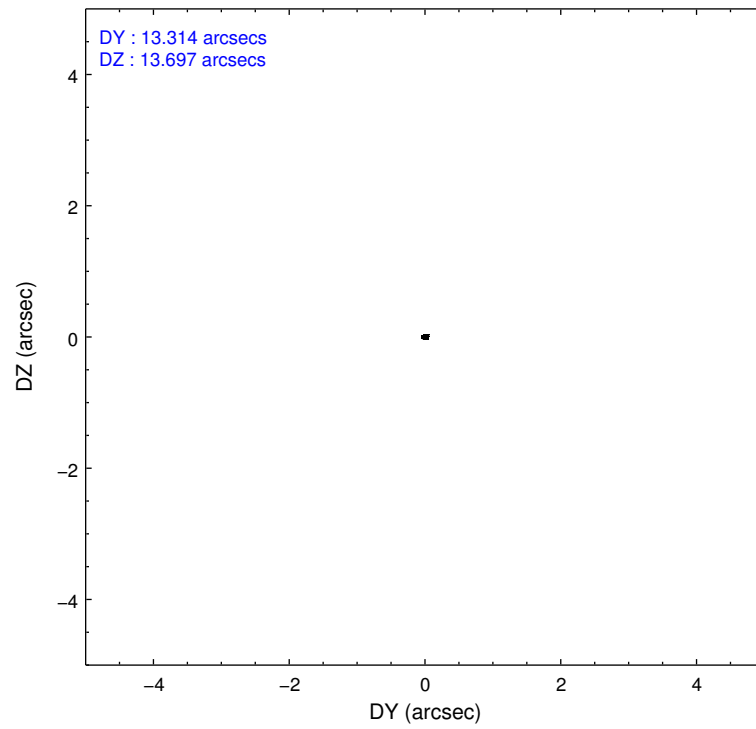
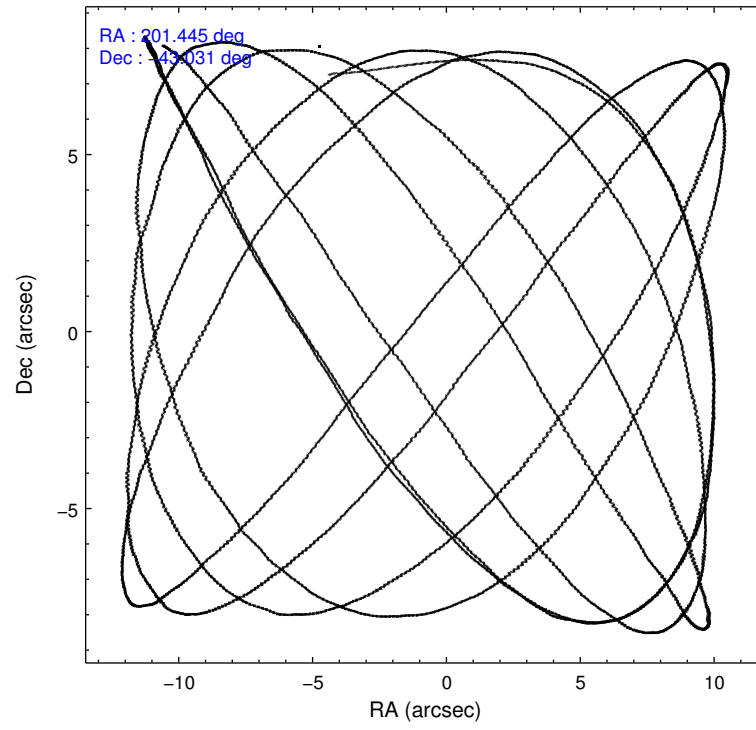
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	31411	33821	34119	44272	34363
rejected events	26997	27985	29993	30494	29982
rejected %	85%	82%	87%	68%	87%

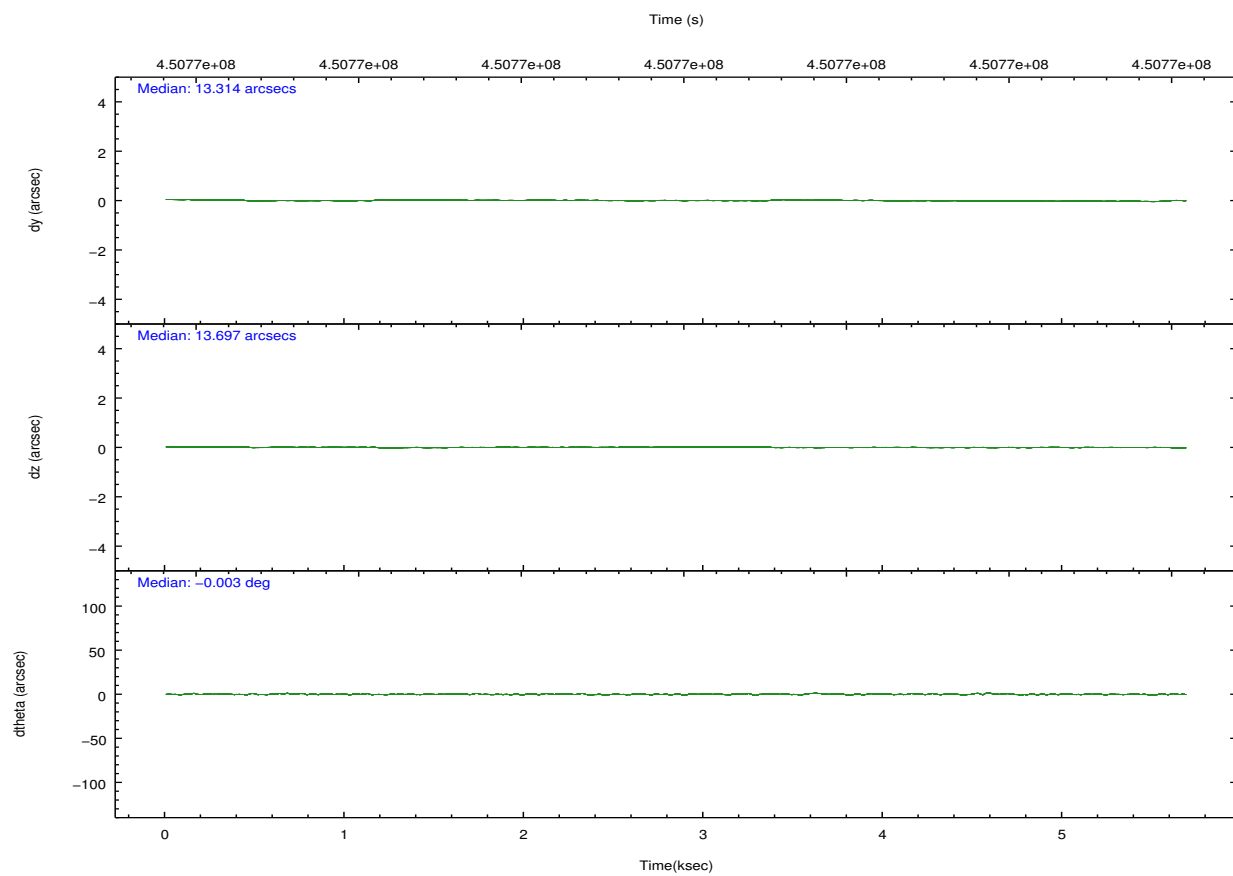
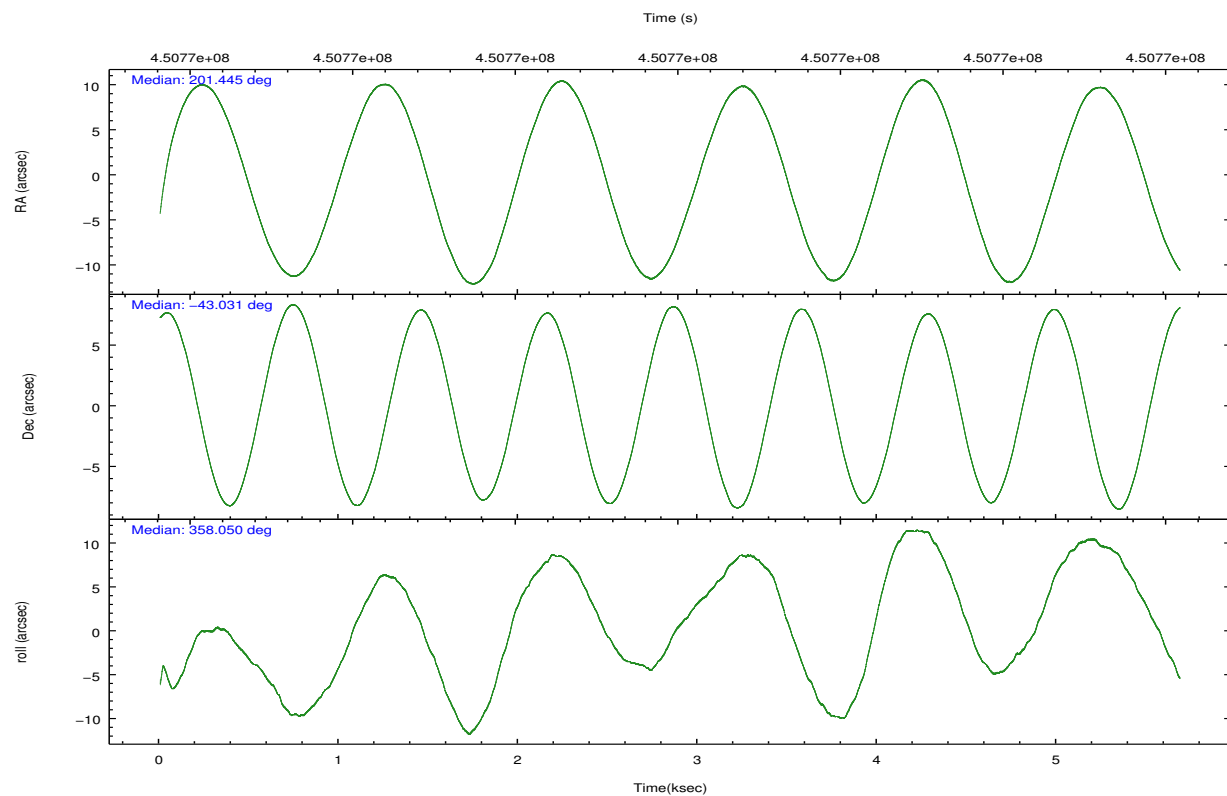
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1889	2776	1617	7988	1714
	6%	8%	4%	18%	4%
grade 1 events	19	23	26	324	10
	0%	0%	0%	0%	0%
grade 2 events	990	1119	954	2211	875
	3%	3%	2%	4%	2%
grade 3 events	416	500	387	935	451
	1%	1%	1%	2%	1%
grade 4 events	372	468	383	891	409
	1%	1%	1%	2%	1%
grade 5 events	1502	1586	1407	2175	1610
	4%	4%	4%	4%	4%
grade 6 events	751	980	792	1770	937
	2%	2%	2%	3%	2%
grade 7 events	25472	26369	28553	27978	28357
	81%	77%	83%	63%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	201.412078	201.4453303683237	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.044189	-43.03113376169327	Alternating exposures requested	N	N
[deg] Pointing Roll	357.823938	358.0553339086637	[s] Primary exposure time	0.000000	3.1
[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)	450767293.184000	450765588.19751			
Observation start date	2012-04-14T05:07:07	2012-04-14T04:39:48			
[s] Observation end time (MET)	450772797.184000	450773035.8479			
Observation end date	2012-04-14T06:38:51	2012-04-14T06:43:55			
Read mode	TIMED	TIMED			

2.3 Aspect



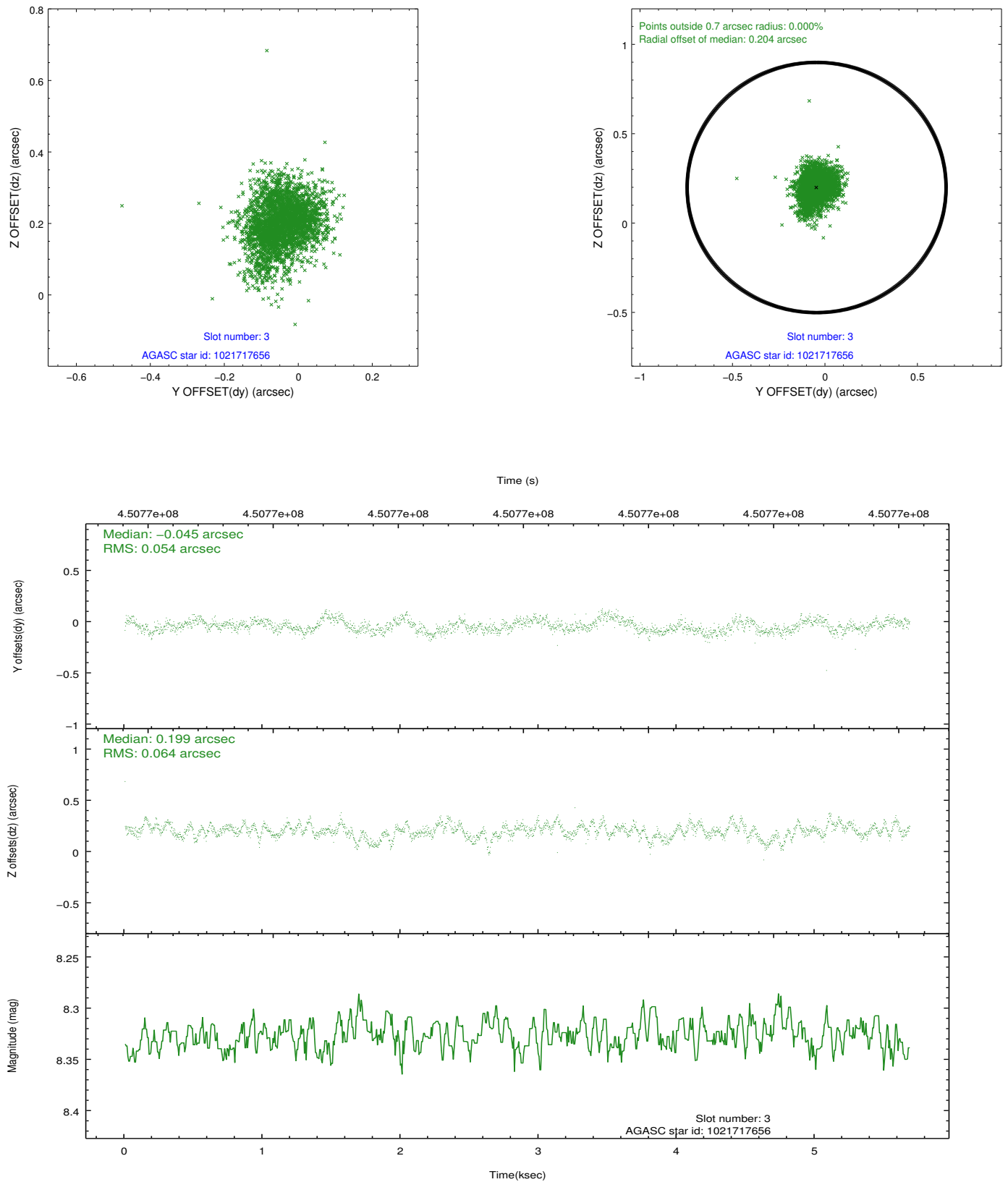


Slot Statistics

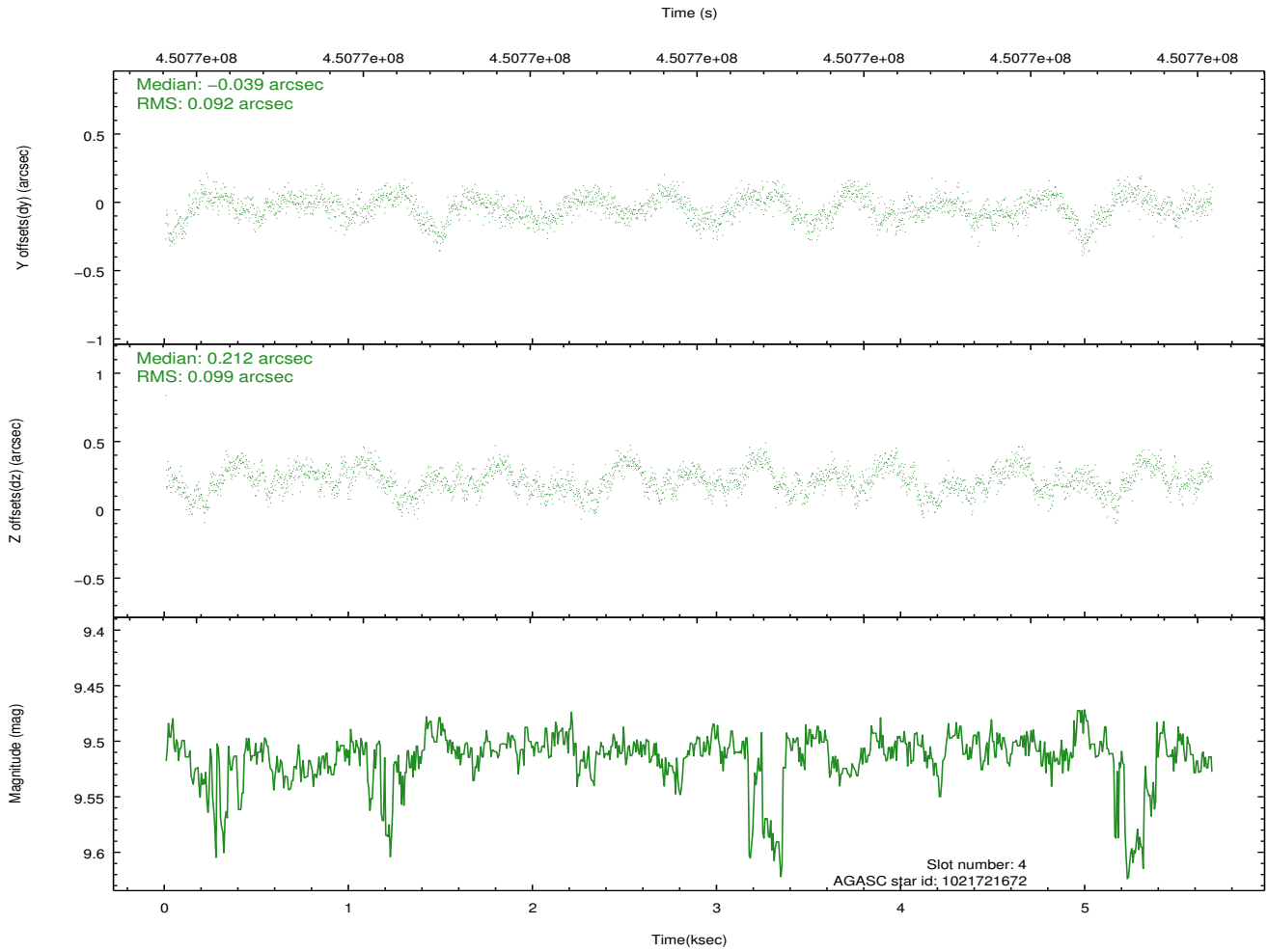
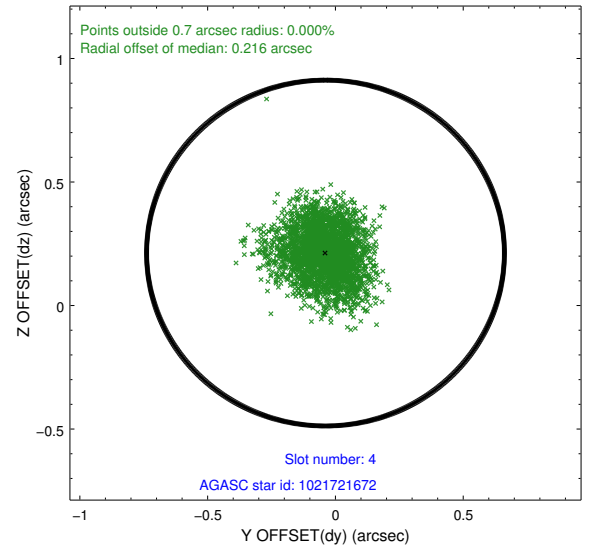
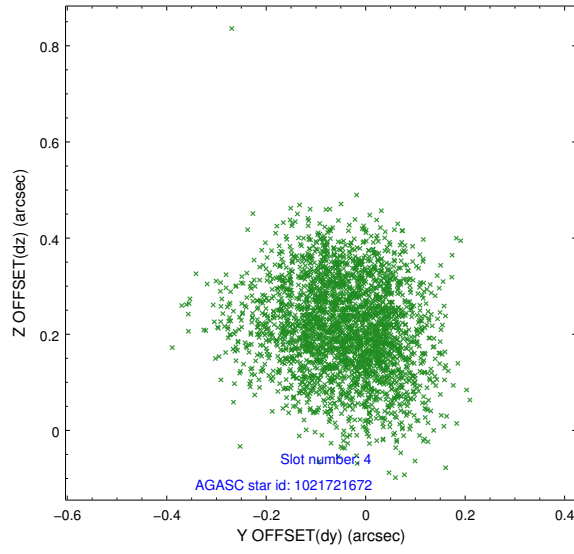
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.18	1387	0.059	0.002	0.006	0.010	0.000000	0.000000	926.26	-837.25
1	FID	ACIS-I-5	7.16	1387	-0.231	0.064	0.006	0.010	0.000000	0.000000	-1821.58	1059.74
2	FID	ACIS-I-6	7.17	1387	0.080	0.004	0.007	0.010	0.000000	0.000000	390.65	1705.40
3	GUIDE	1021717656	8.33	2773	-0.045	0.199	0.087	0.147	201.139642	-43.082878	-710.48	-167.34
4	GUIDE	1021721672	9.51	2771	-0.039	0.212	0.145	0.231	201.740358	-43.079729	867.12	-96.54
5	GUIDE	1022235840	9.43	2761	0.090	-0.376	0.131	0.209	201.679306	-43.544276	765.80	-1773.92
6	GUIDE	1021719704	7.56	2770	0.085	0.128	0.076	0.142	200.511976	-43.050426	-2364.24	-125.83
7	GUIDE	1021716808	8.81	2772	-0.092	-0.160	0.113	0.179	200.901189	-42.531395	-1425.65	1788.73

2.4 Star Slots

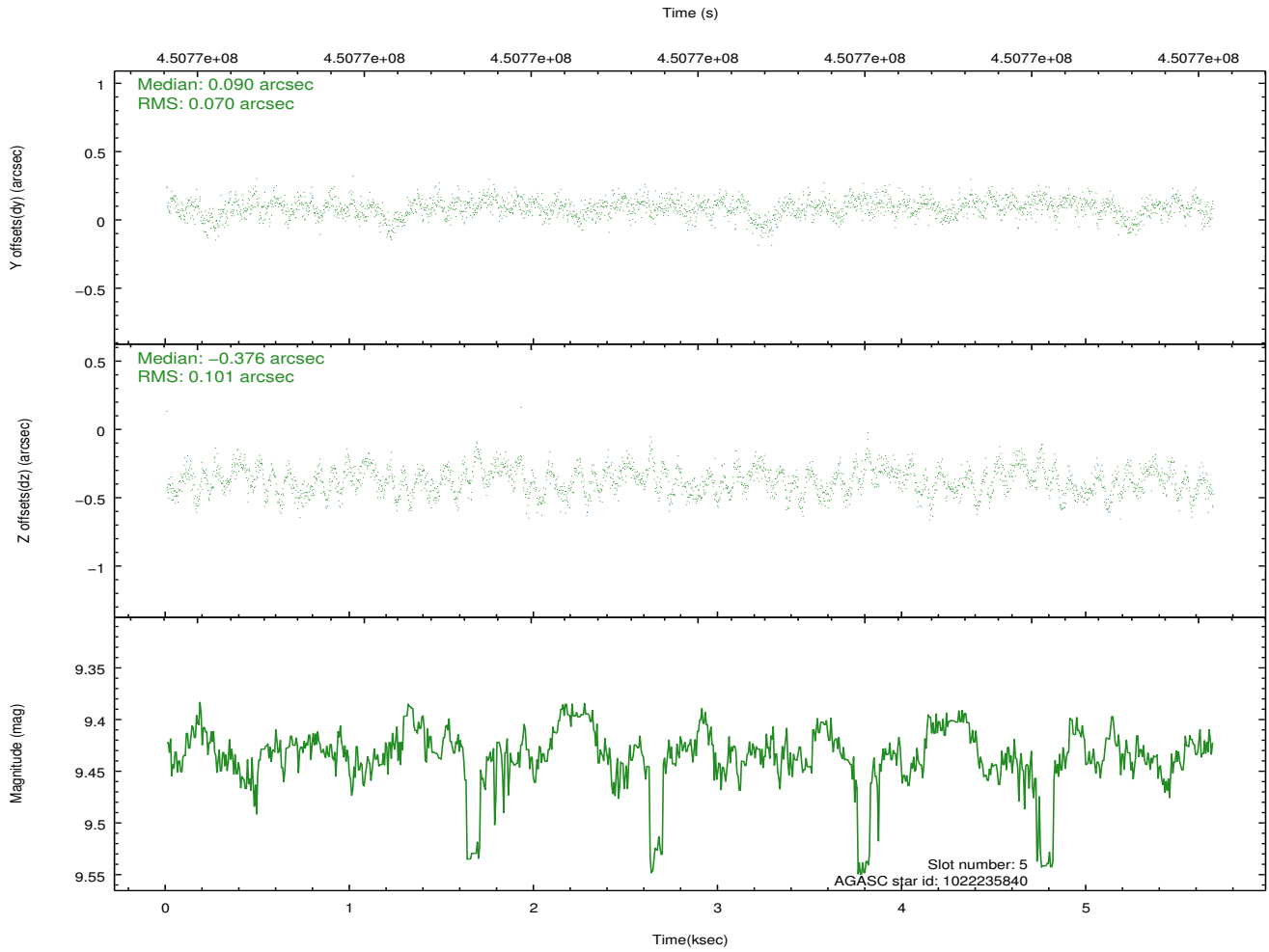
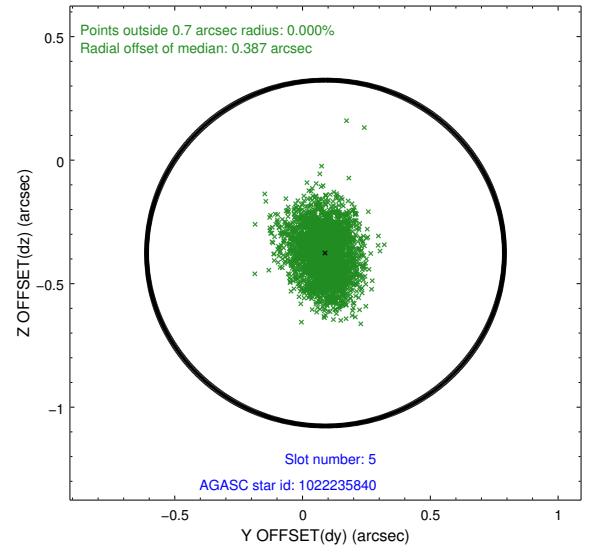
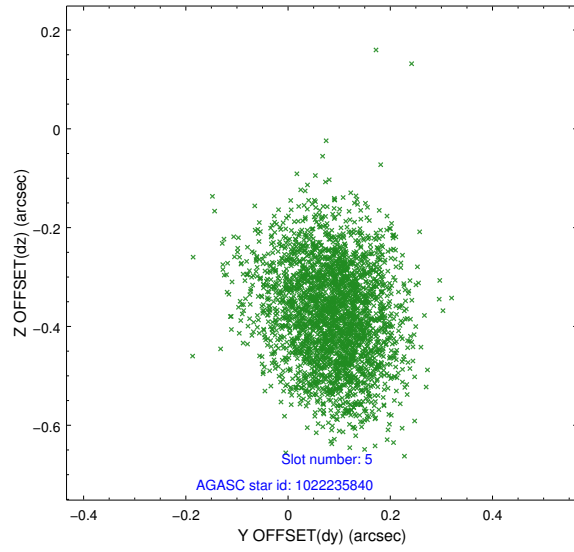
2.4.1 Slot 3



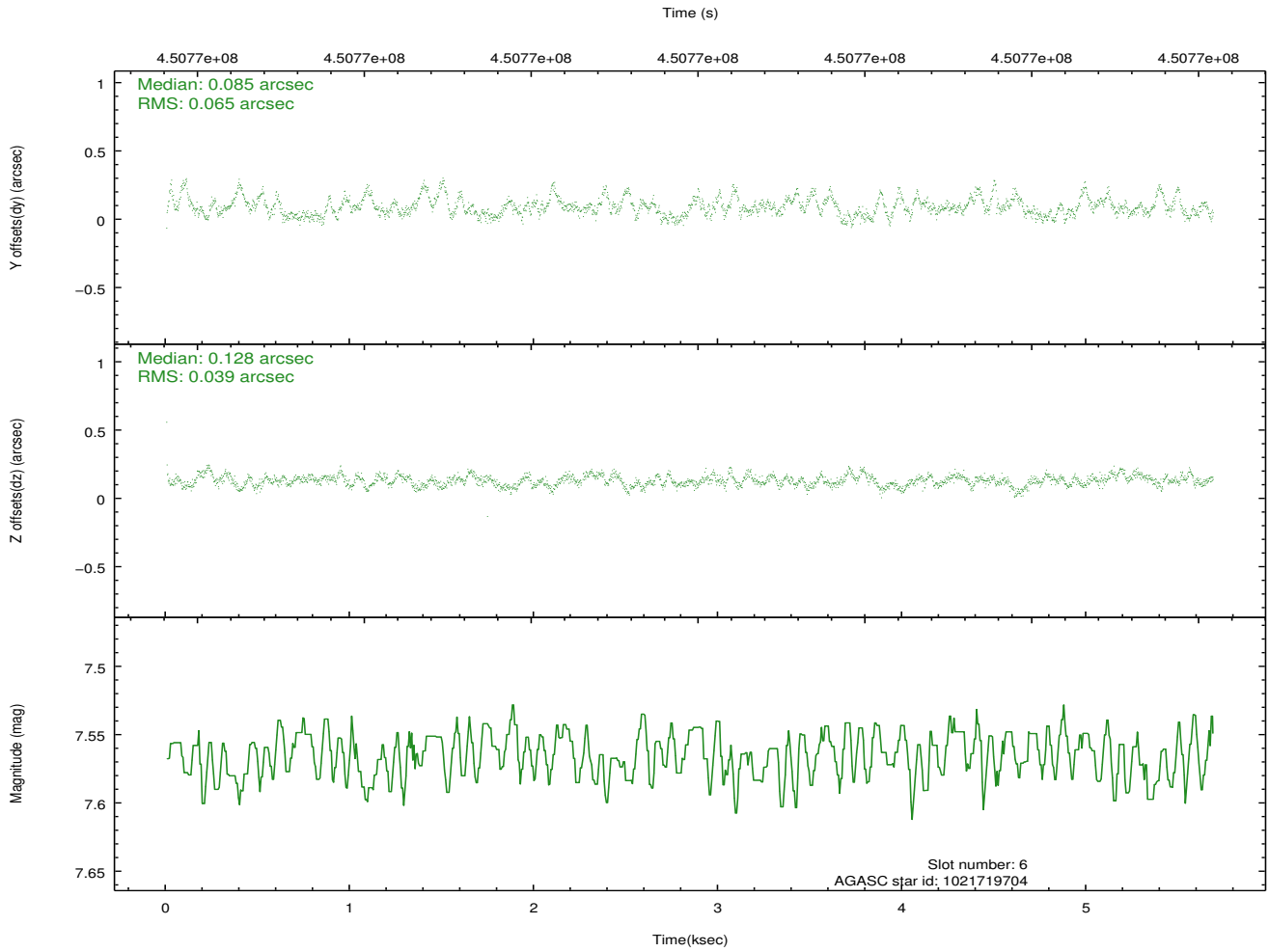
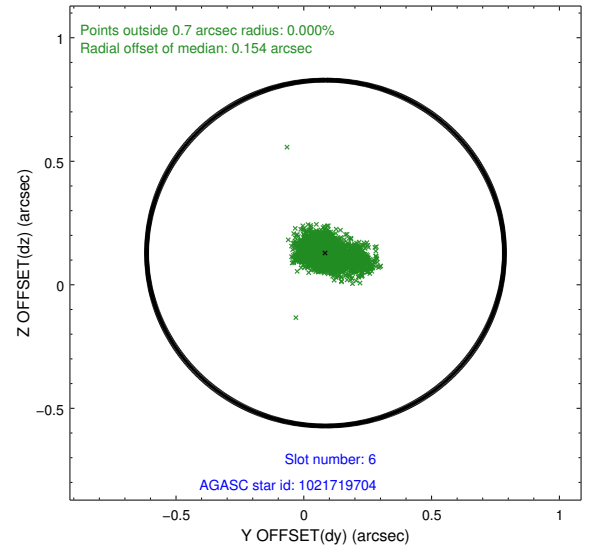
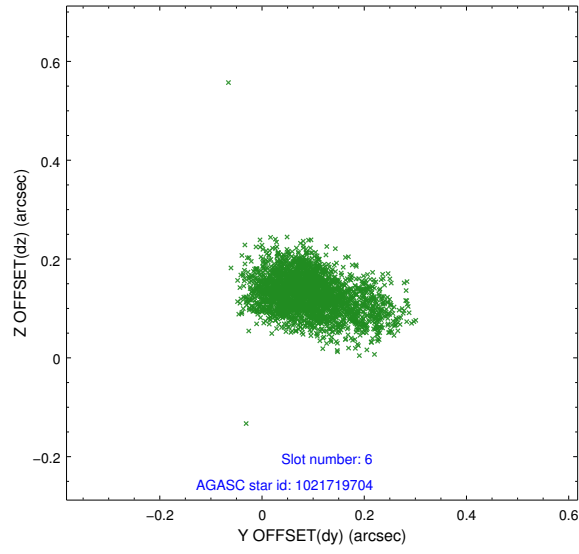
2.4.2 Slot 4



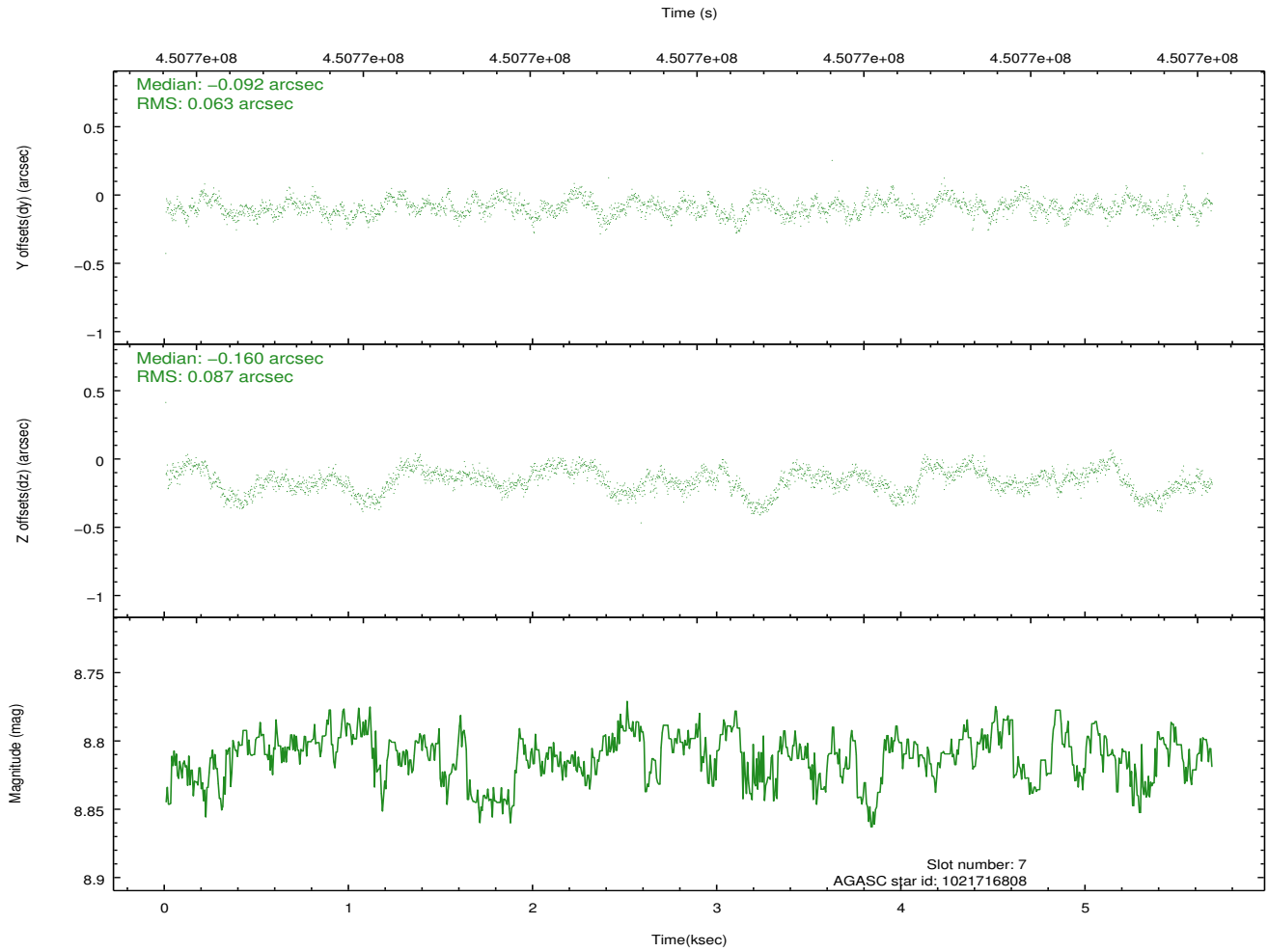
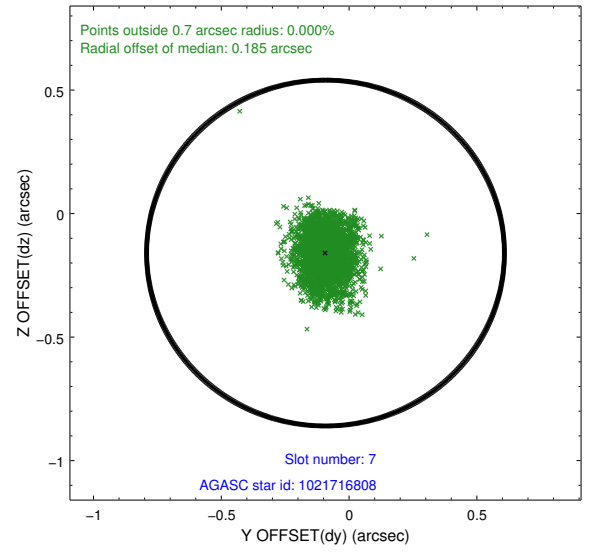
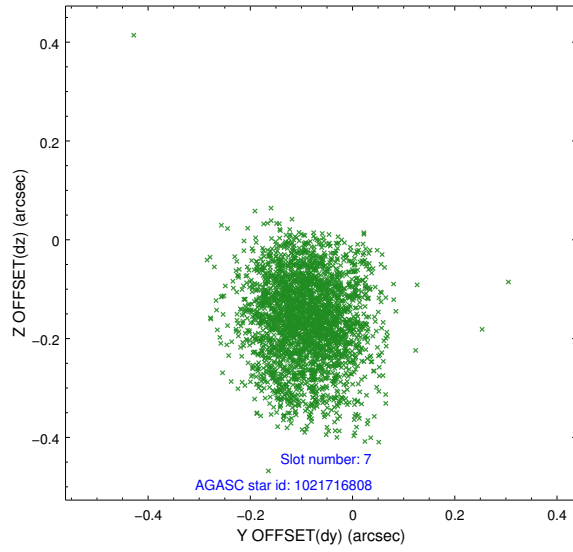
2.4.3 Slot 5



2.4.4 Slot 6

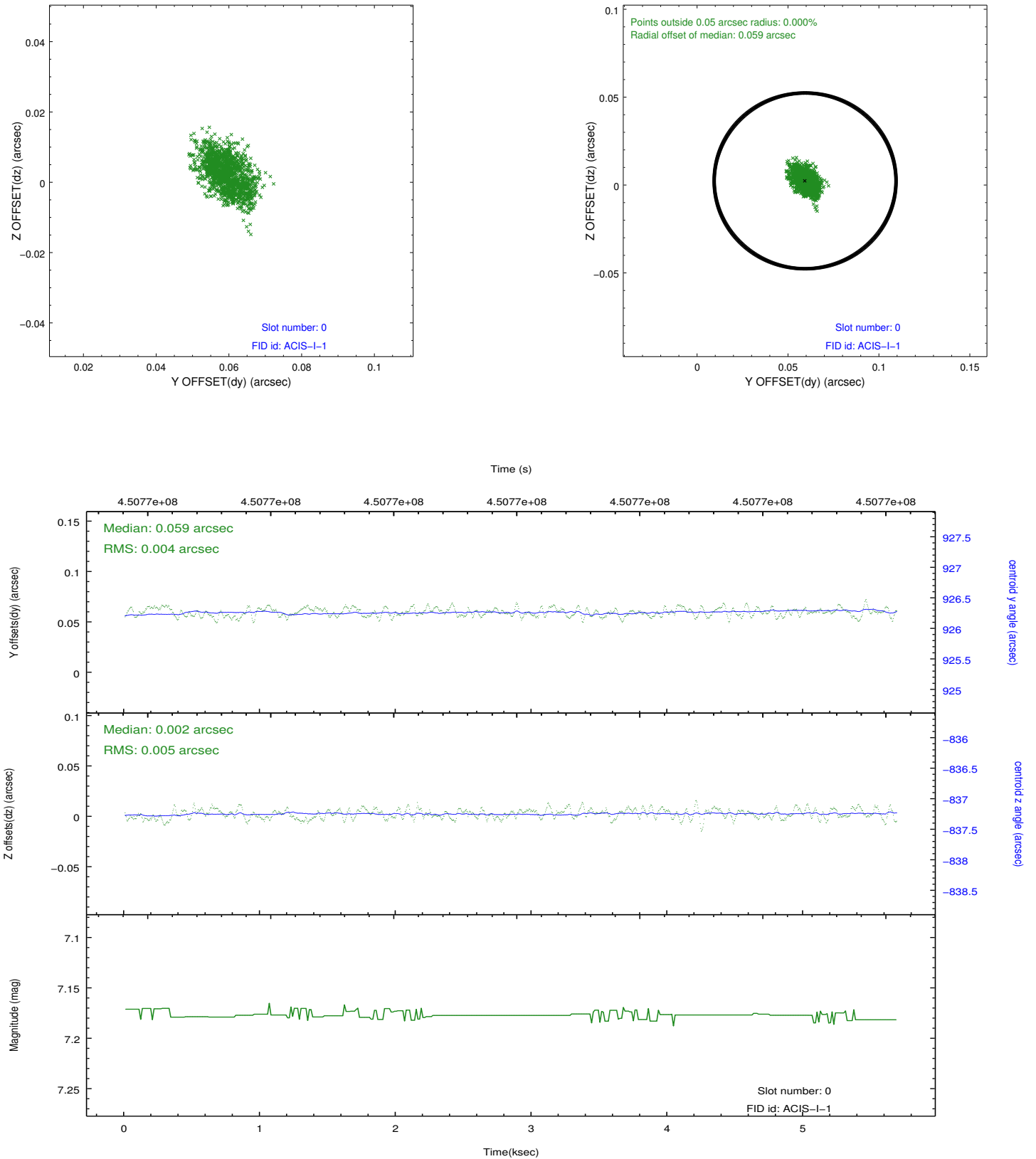


2.4.5 Slot 7

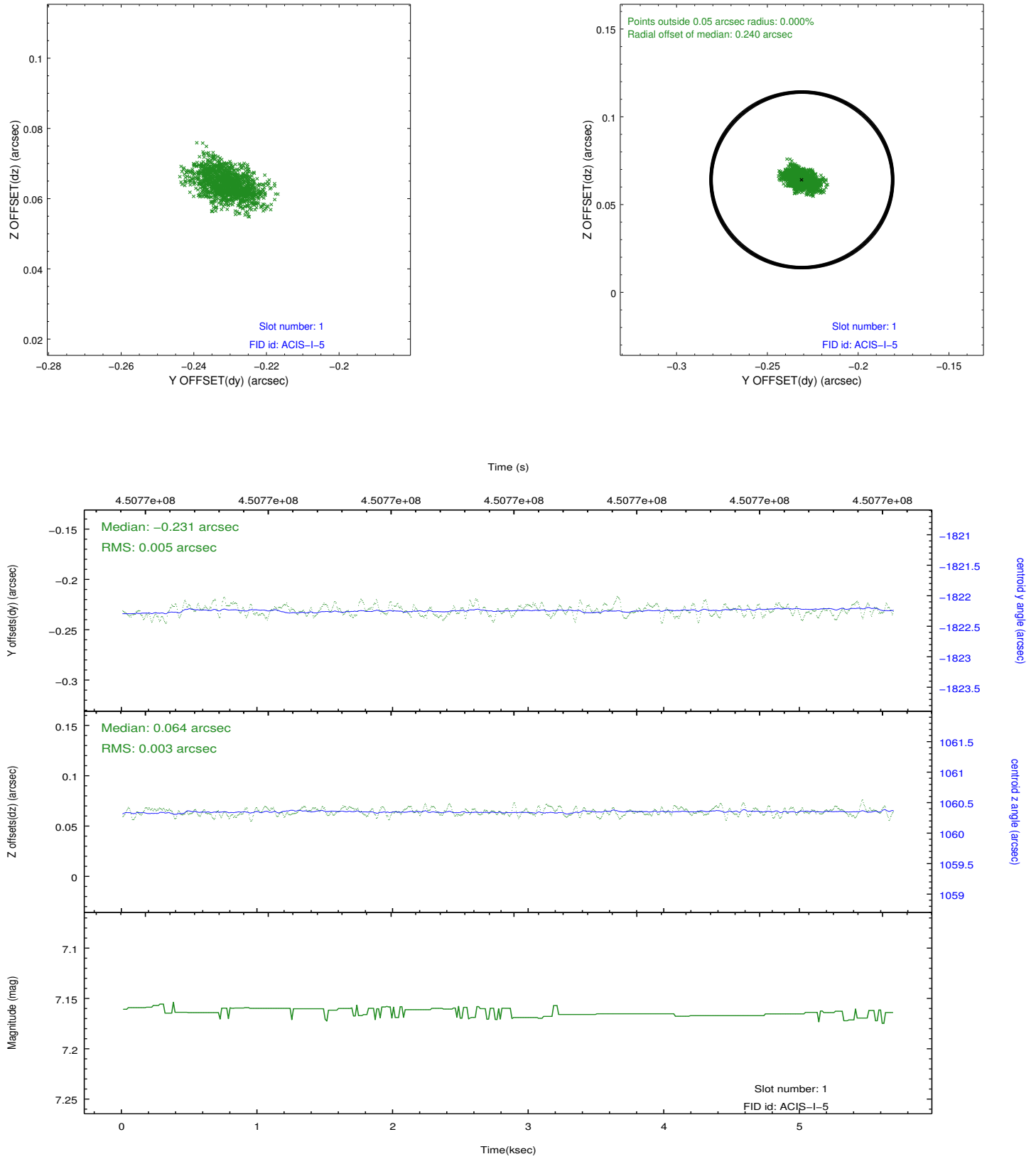


2.5 FID Slots

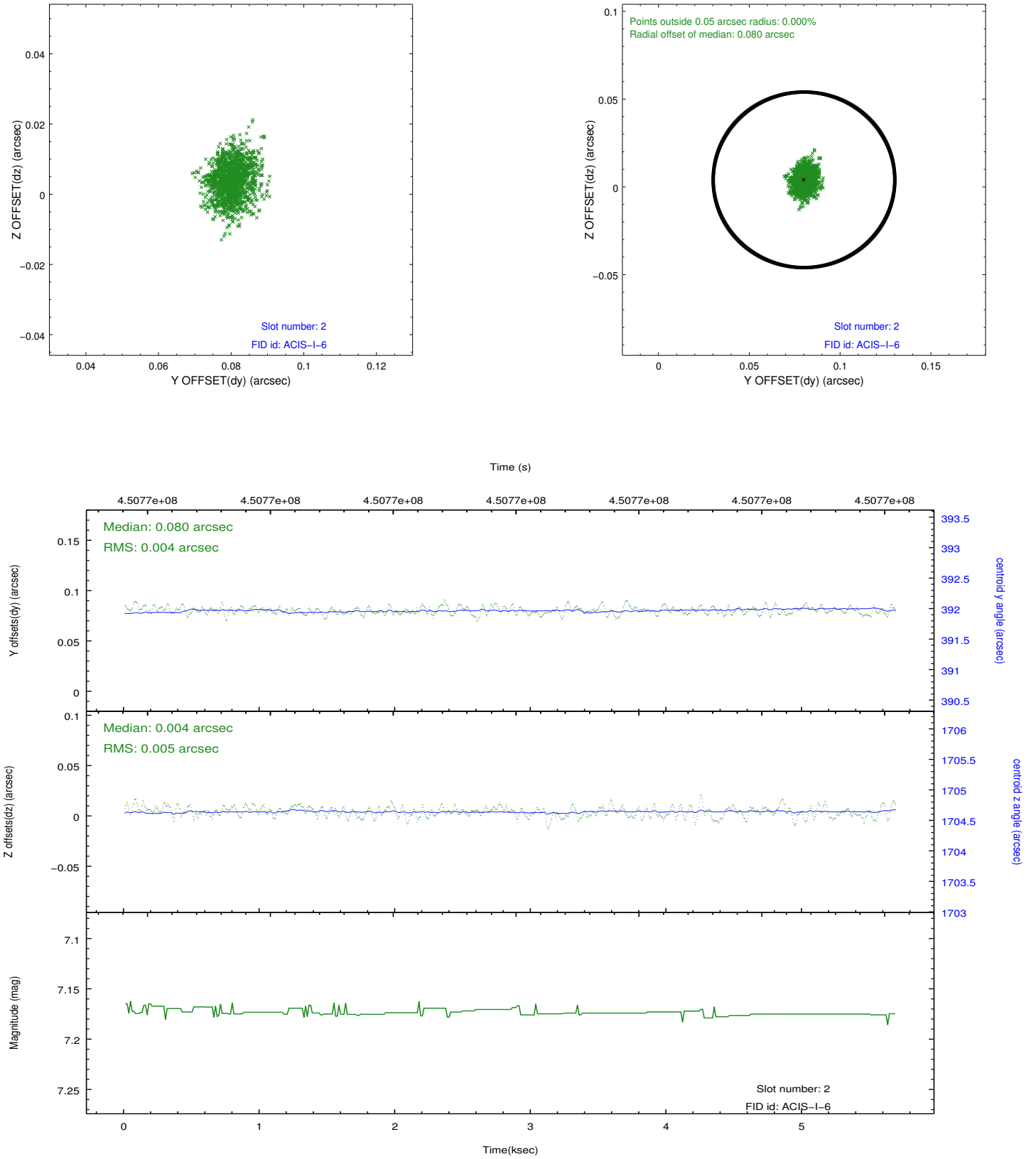
2.5.1 Slot 0



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)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5820204401016

A.2 Comments