

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6719 - L2 Version 2
Chandra X-Ray Center

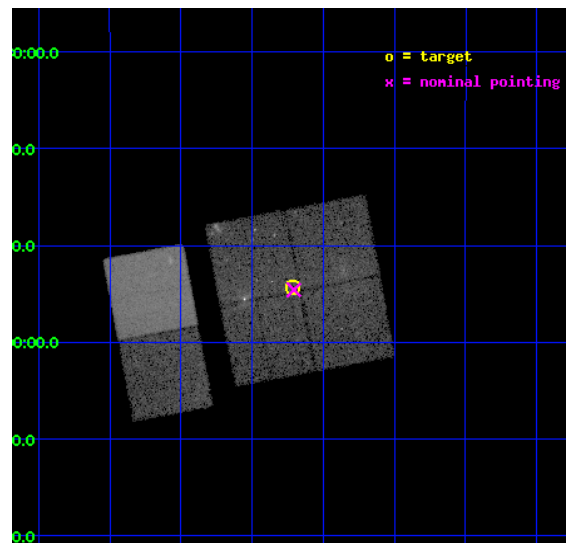
L2 Processing Date : Apr 7 2012

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1 Front

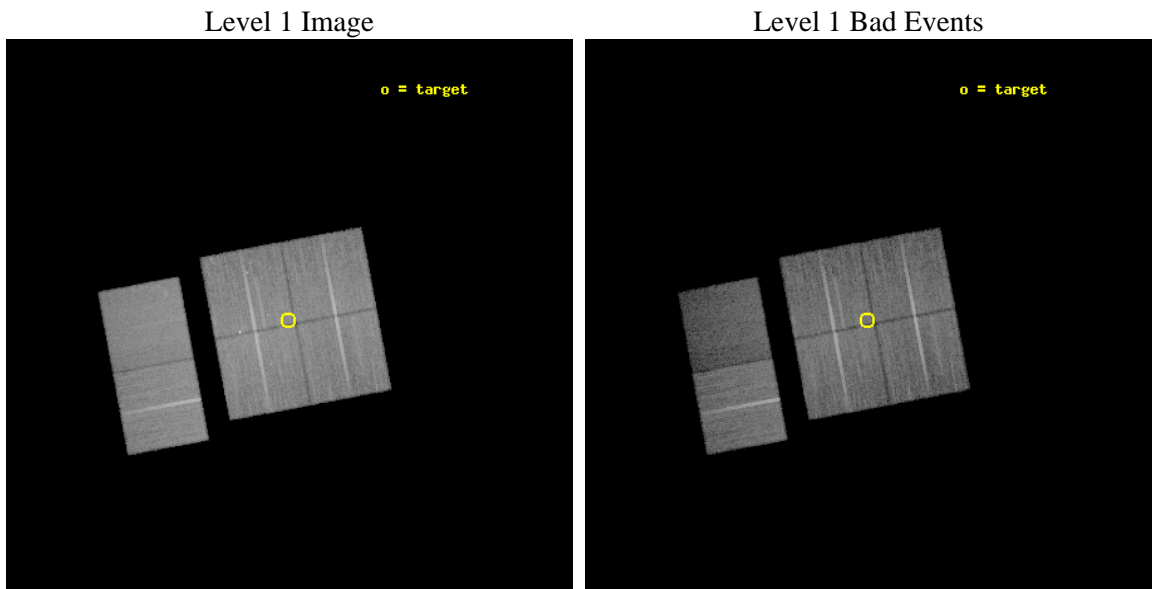
seq_num	500666	Sequence number
obs_id	6719	Observation id
title	Using Chandra to reveal the nature of Galactic VHE particle acceleration sites discovered by H.E.S.S.	Proposal title
observer	Dr. Gerd Puehlhofer	Principal investigator
object	HESS J1837-069	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.429167	Observer's specified target RA [deg]
dec_targ	-6.905833	Observer's specified target Dec [deg]
ra_nom	279.42659865333	Nominal RA [deg]
dec_nom	-6.9096964329477	Nominal Dec [deg]
roll_nom	259.36799563247	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20153.016946375	Sum of GTIs [s]
livetime	19897.82731111	Livetime [s]
ontime0	20149.652836263	Sum of GTIs [s]
ontime1	20152.934836507	Sum of GTIs [s]
ontime2	20159.457867026	Sum of GTIs [s]
ontime3	20153.016946375	Sum of GTIs [s]
ontime6	20159.580987036	Sum of GTIs [s]
ontime7	20159.539947033	Sum of GTIs [s]
l2events	134097	Number of level 2 events



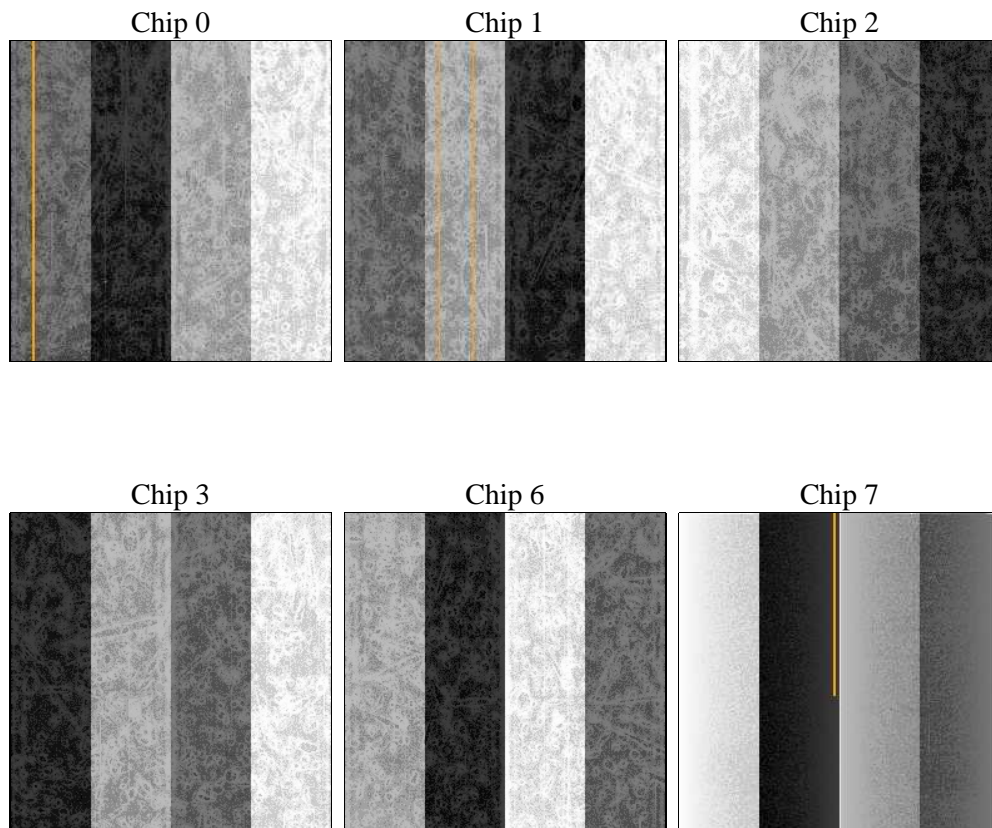
2 OBI

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	8.4.3.1	Processing system revision	ontime	20153.016946375	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20149.652836263	Sum of GTIs [s]
date	2012-04-07T13:03:34	Date and time of file creation	ontime1	20152.934836507	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20159.457867026	Sum of GTIs [s]
			ontime3	20153.016946375	Sum of GTIs [s]
			ontime6	20159.580987036	Sum of GTIs [s]
			ontime7	20159.539947033	Sum of GTIs [s]
			l1events	855908	Number of level 1 events

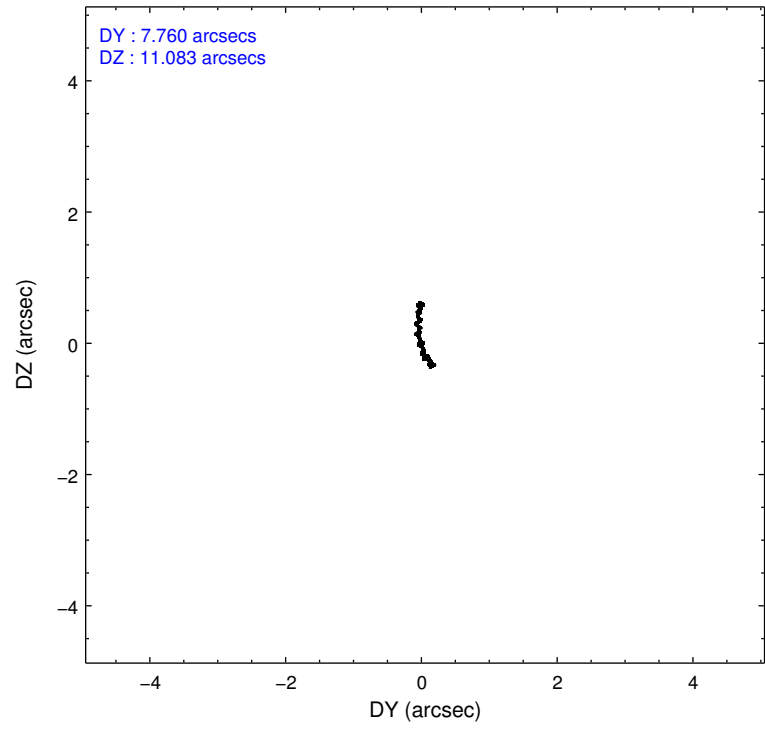
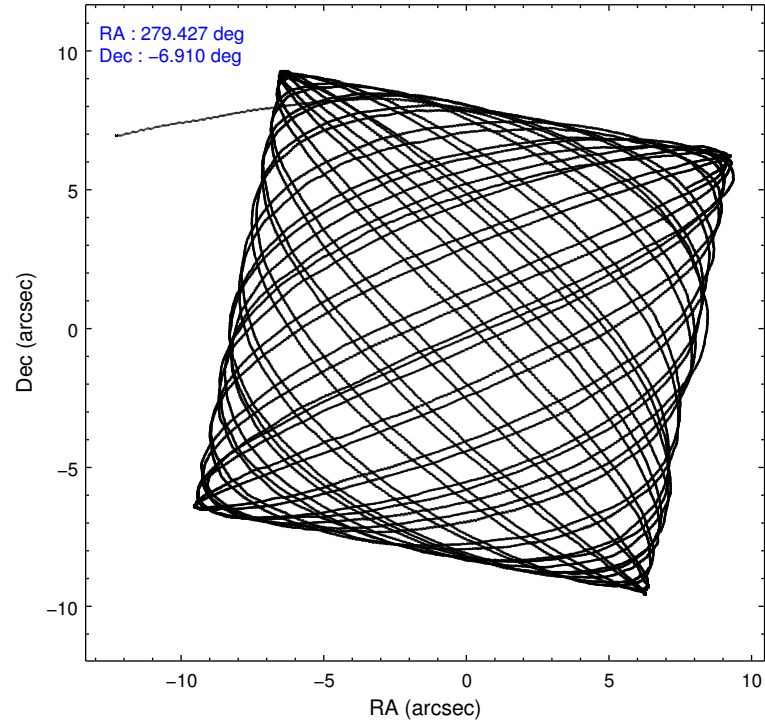
2.1.4 Events

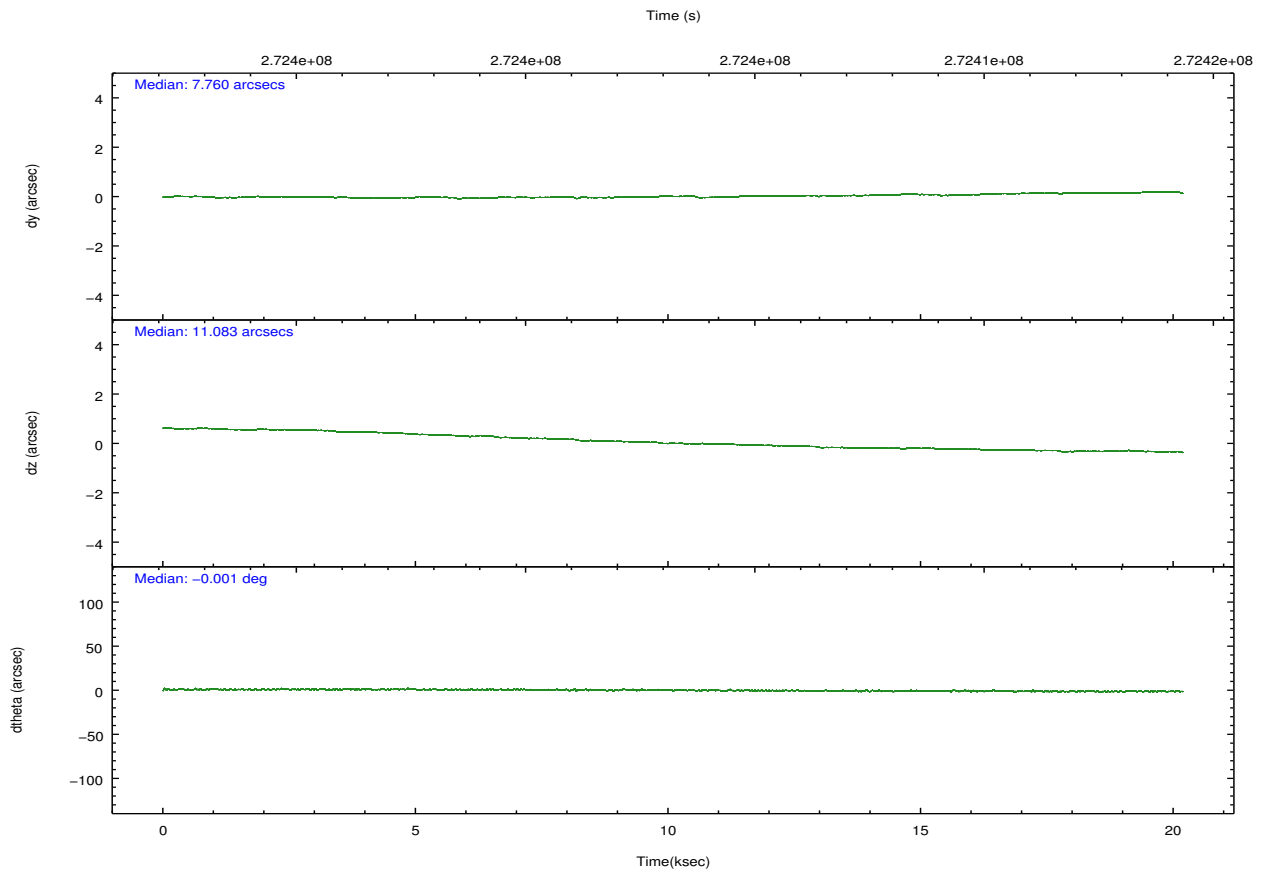
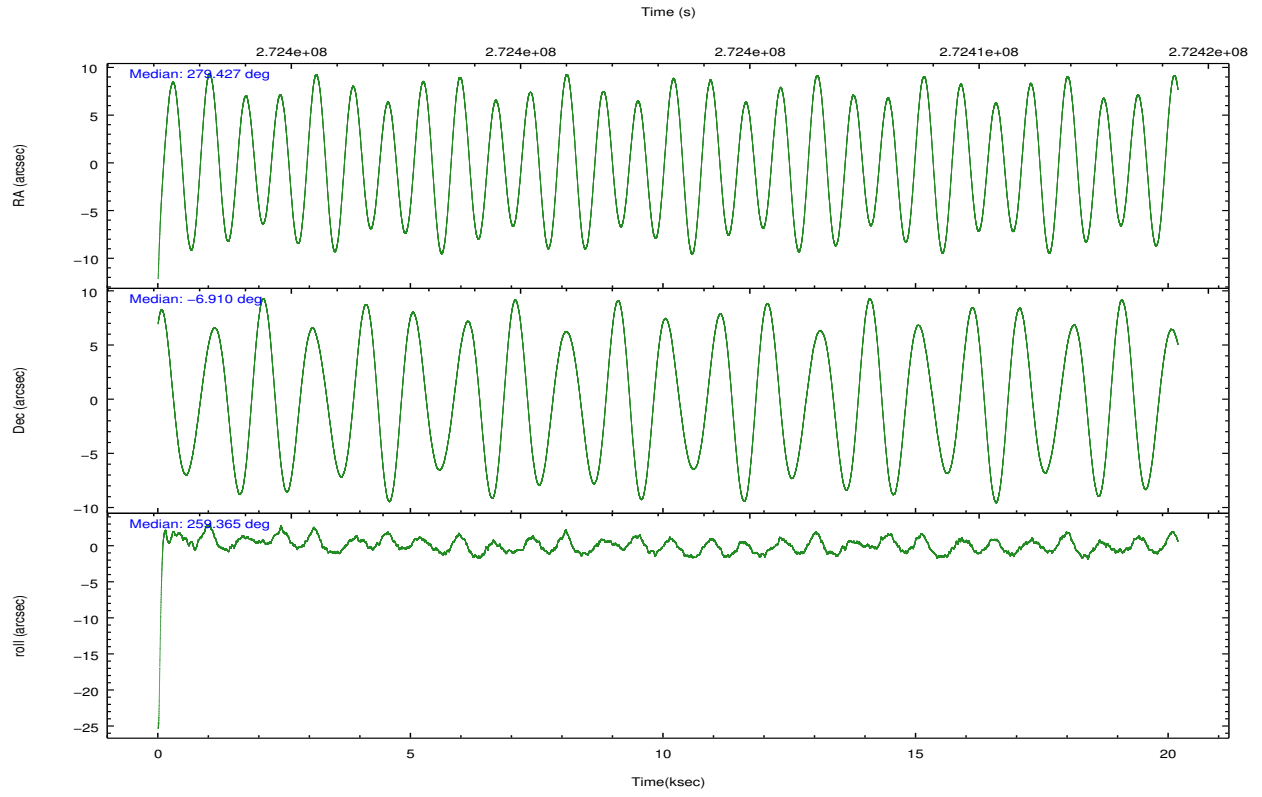
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	136149	134634	154219	146612	149275	135019	grade 0 events	6370	6591	6545	9105	5858	6478
rejected events	120501	117996	138676	127435	133991	68253		4%	4%	4%	6%	3%	4%
rejected %	88%	87%	89%	86%	89%	50%	grade 1 events	83	79	82	150	71	142
								0%	0%	0%	0%	0%	0%
							grade 2 events	3447	3482	3478	3660	3273	14384
								2%	2%	2%	2%	2%	10%
							grade 3 events	1606	1814	1526	1753	1596	6488
								1%	1%	0%	1%	1%	4%
							grade 4 events	1558	1664	1592	1783	1590	6423
								1%	1%	1%	1%	1%	4%
							grade 5 events	3964	4579	3878	4823	4787	14130
								2%	3%	2%	3%	3%	10%
							grade 6 events	2670	3093	2410	2881	2969	33014
								1%	2%	1%	1%	1%	24%
							grade 7 events	116451	113332	134708	122457	129131	53960
								85%	84%	87%	83%	86%	39%

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	279.417331	279.4265986533339	Subarray requested	NONE	NONE
[deg] Pointing Dec	-6.883905	-6.909696432947656	Alternating exposures requested	N	N
[deg] Pointing Roll	259.158212	259.3679956324671	[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)	272393314.184000	272392249.04528			
Observation start date	2006-08-19T16:47:29	2006-08-19T16:30:49			
[s] Observation end time (MET)	272413314.184000	272413656.17129			
Observation end date	2006-08-19T22:20:49	2006-08-19T22:27:36			
Read mode	TIMED	TIMED			

2.3 Aspect



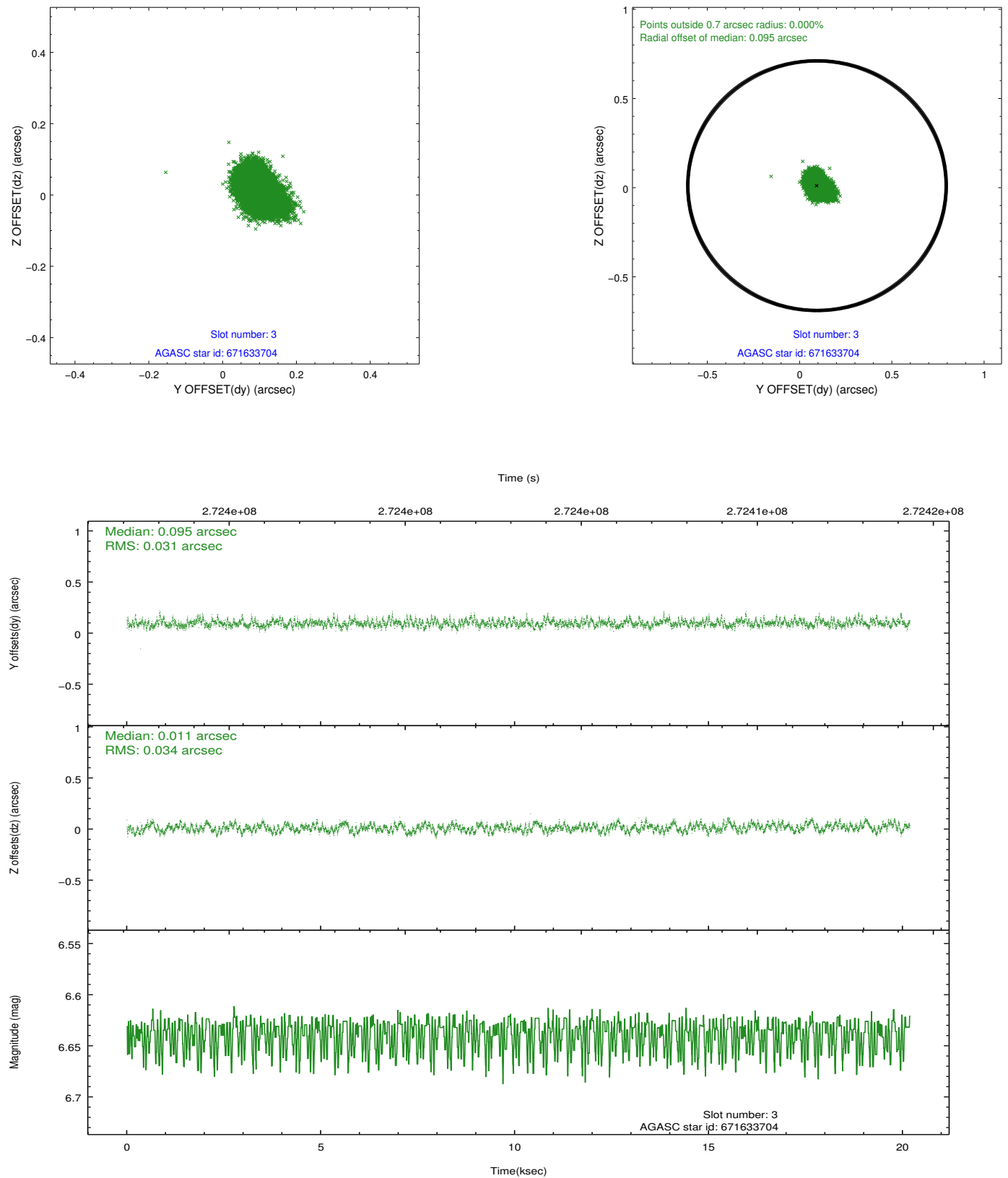


Slot Statistics

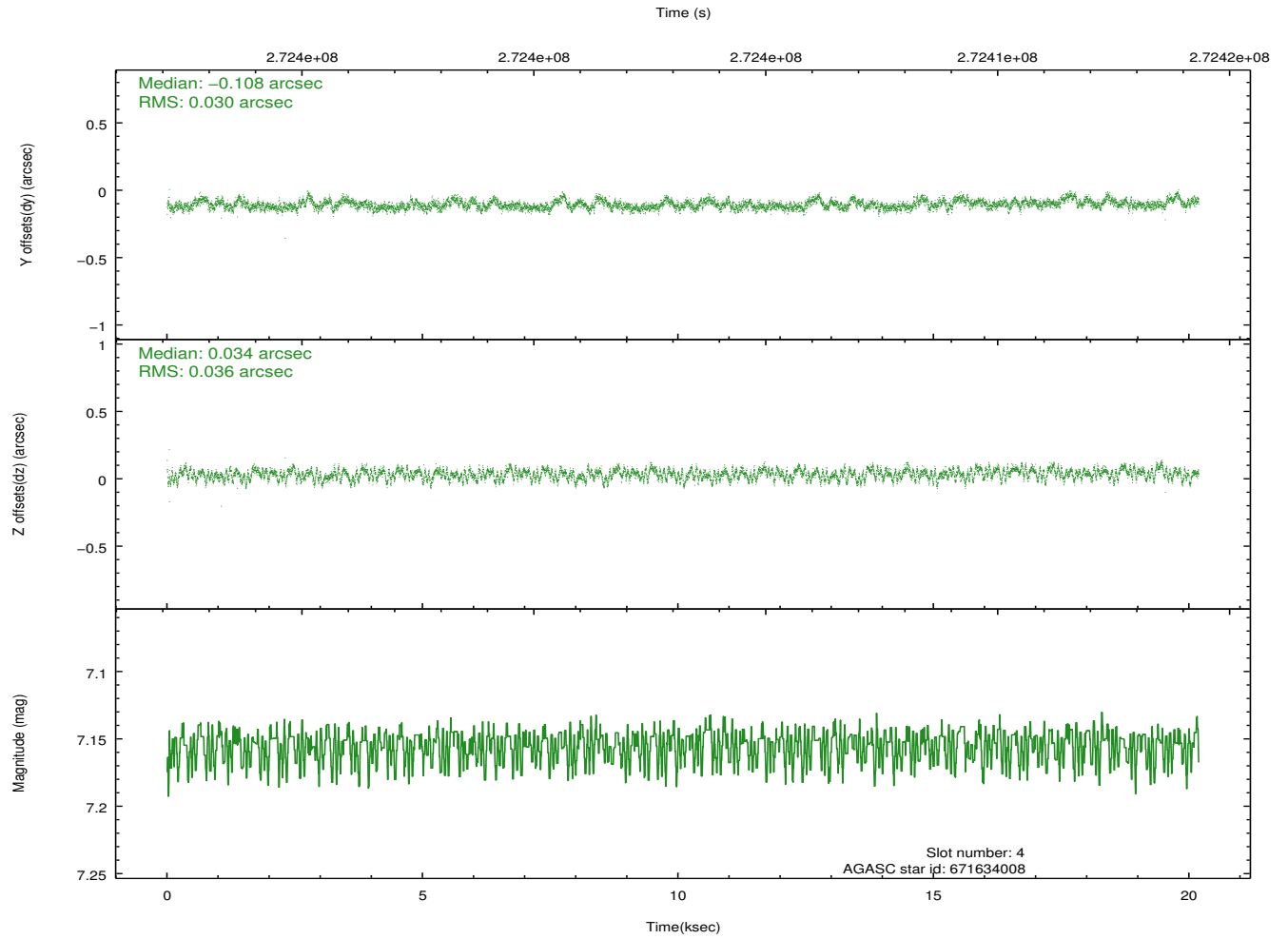
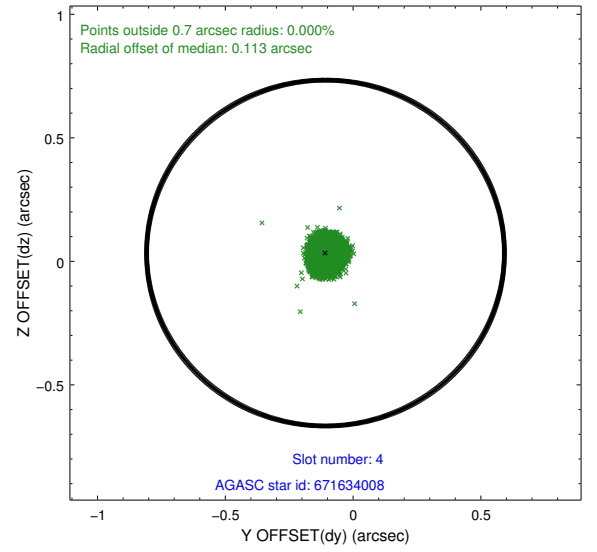
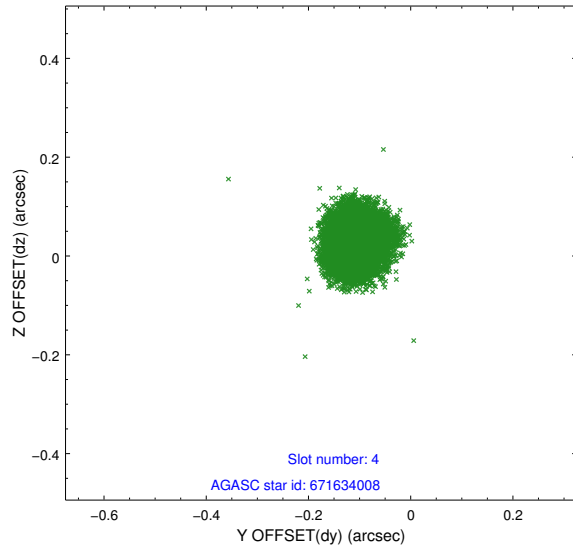
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4923	0.057	-0.057	0.014	0.033	0.000000	0.000000	931.92	-834.73
1	FID	ACIS-I-5	7.23	4925	-0.194	0.056	0.012	0.021	0.000000	0.000000	-1816.31	1062.82
2	FID	ACIS-I-6	7.25	4924	0.047	0.067	0.011	0.016	0.000000	0.000000	397.29	1707.51
3	GUIDE	671633704	6.64	9849	0.095	0.011	0.049	0.080	279.032674	-6.742060	-241.68	-1446.43
4	GUIDE	671634008	7.15	9849	-0.108	0.034	0.050	0.078	279.178009	-6.421976	-1471.52	-1153.49
5	GUIDE	671744096	8.03	9846	0.121	0.025	0.062	0.098	279.427606	-7.336703	1594.89	343.57
6	GUIDE	671748480	7.01	9847	-0.122	-0.060	0.053	0.083	279.462954	-6.796807	-338.10	101.32
7	GUIDE	671766048	8.31	9845	0.012	-0.013	0.069	0.110	279.495077	-6.805481	-326.34	219.64

2.4 Star Slots

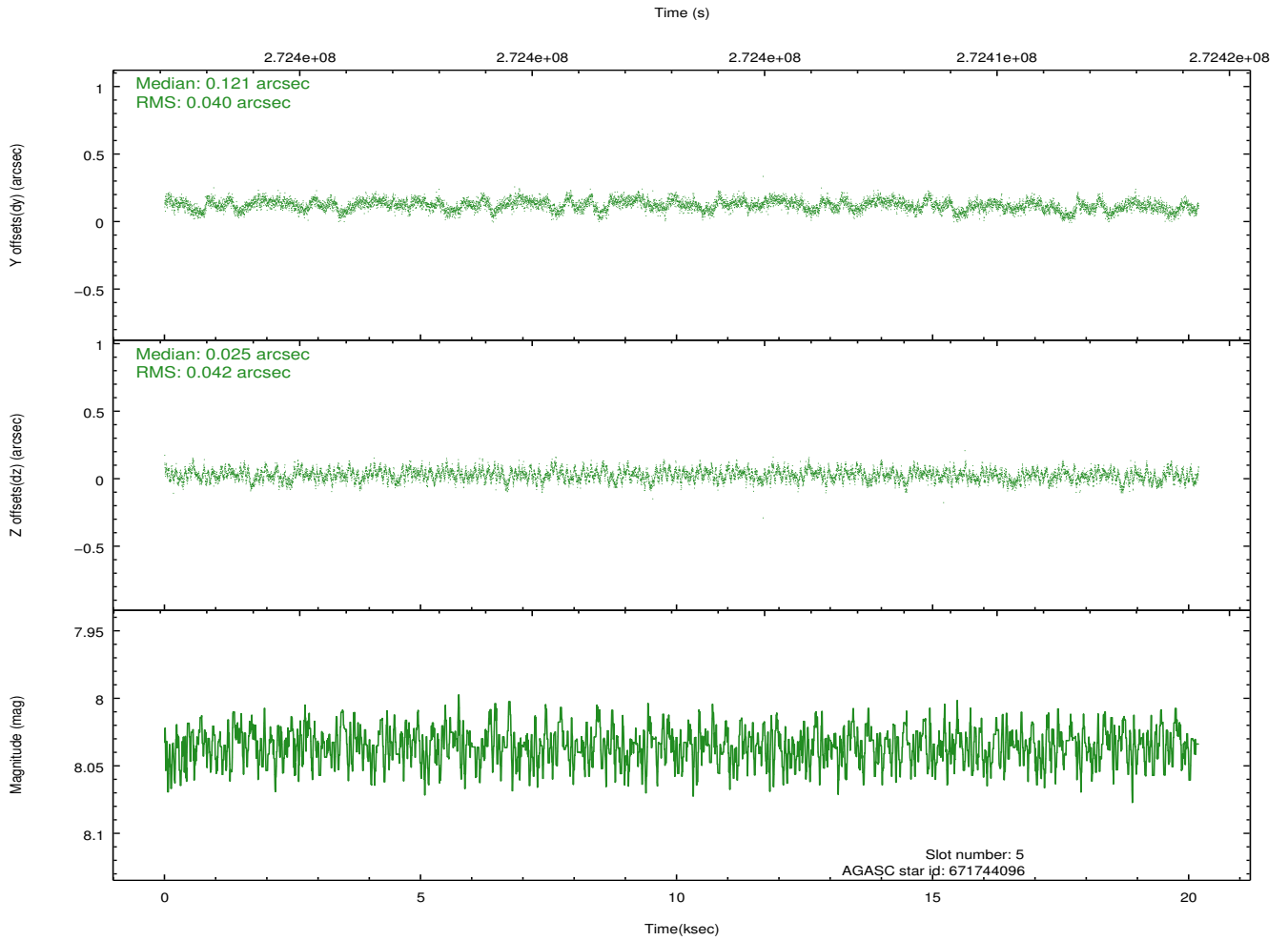
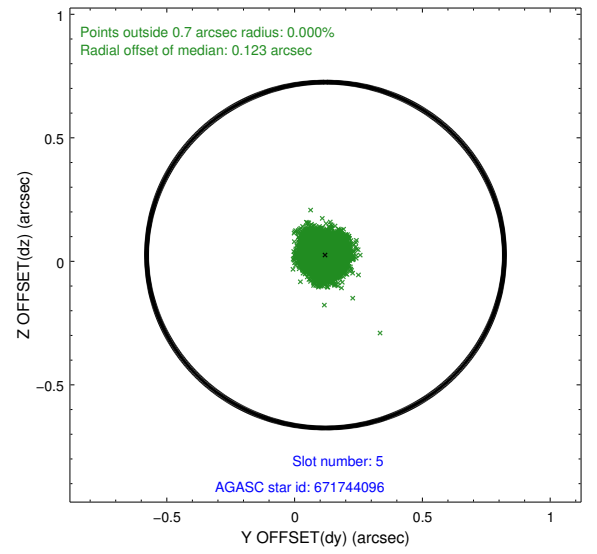
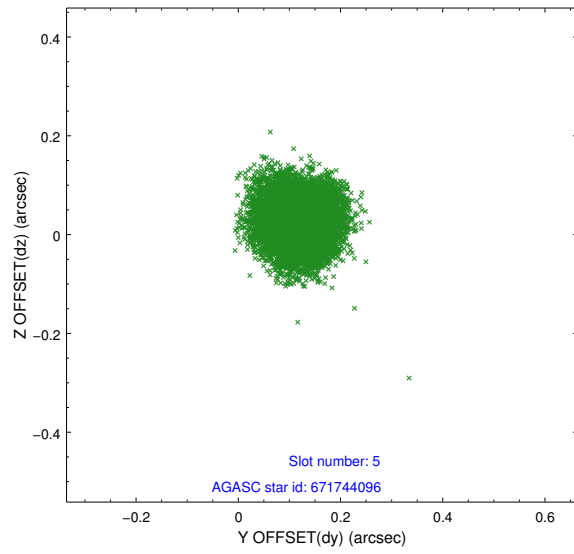
2.4.1 Slot 3



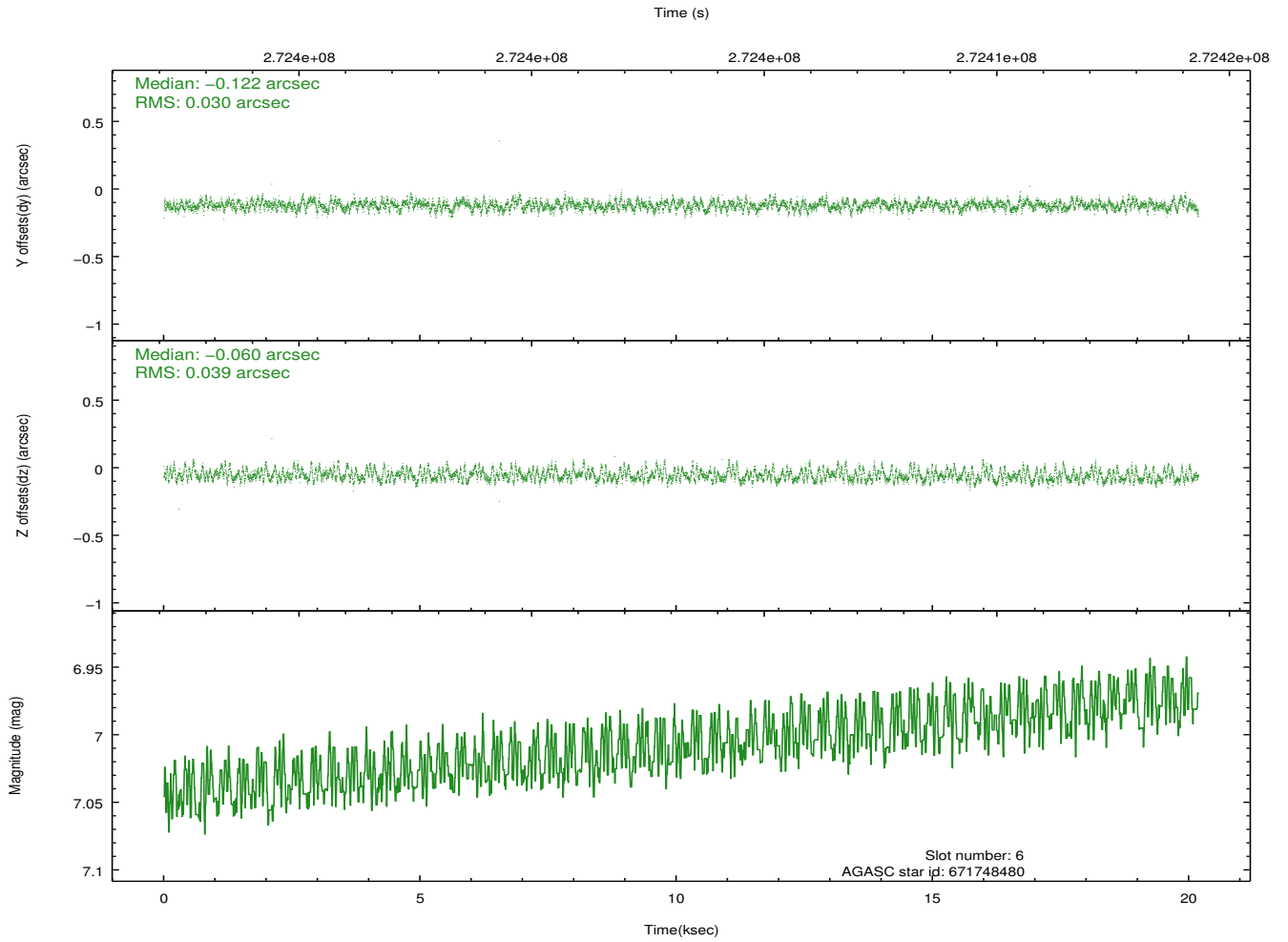
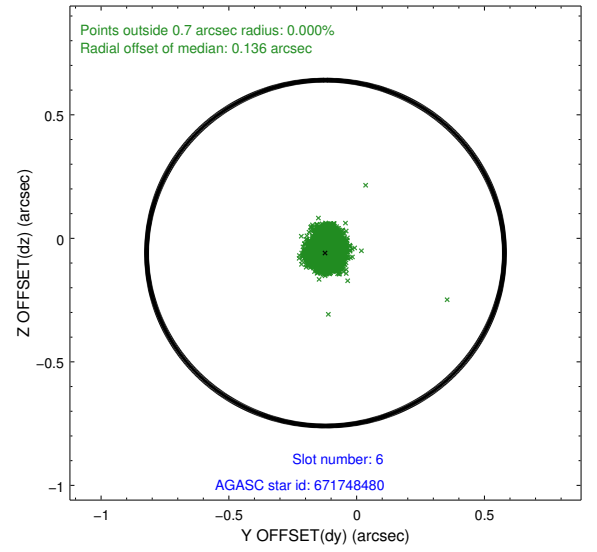
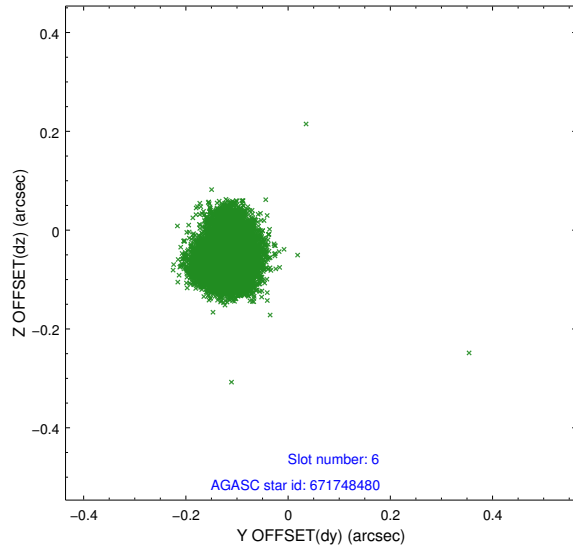
2.4.2 Slot 4



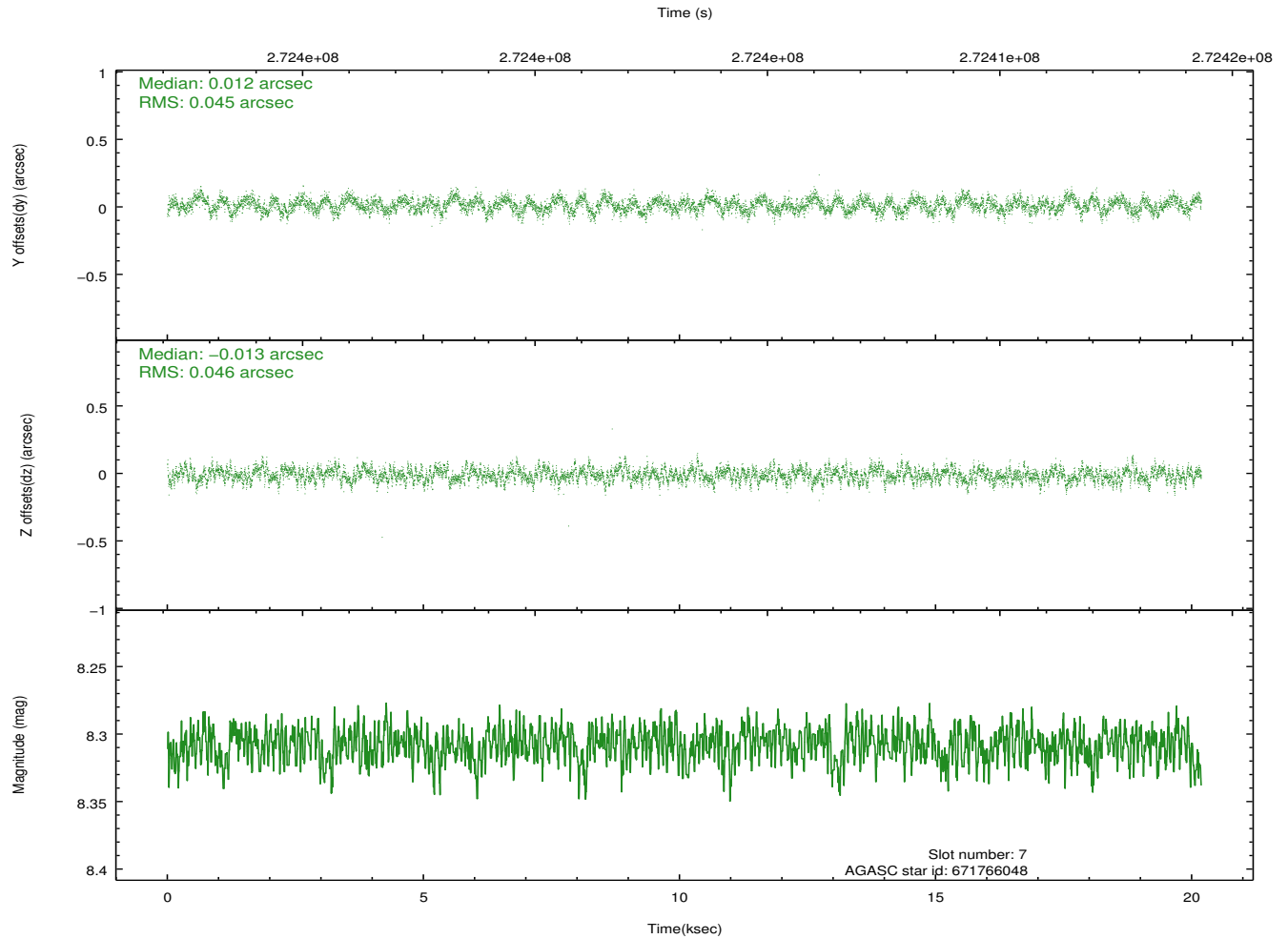
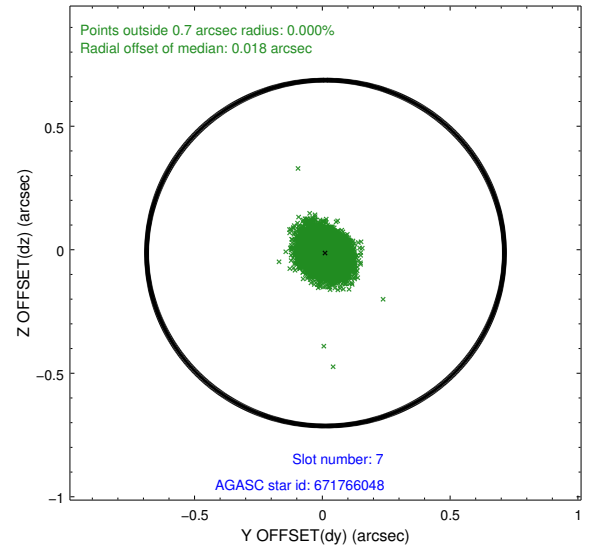
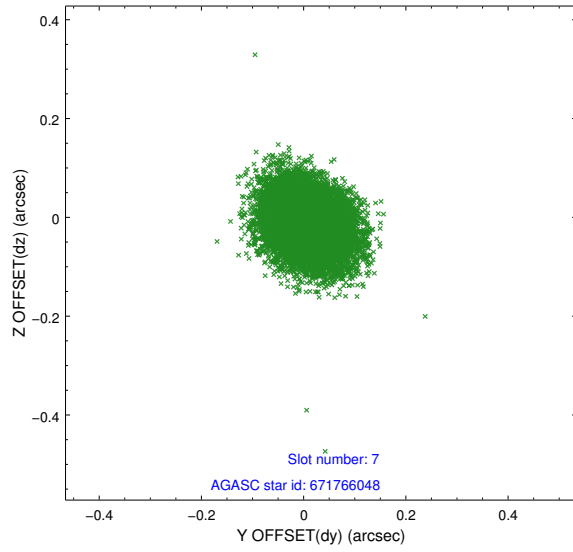
2.4.3 Slot 5



2.4.4 Slot 6

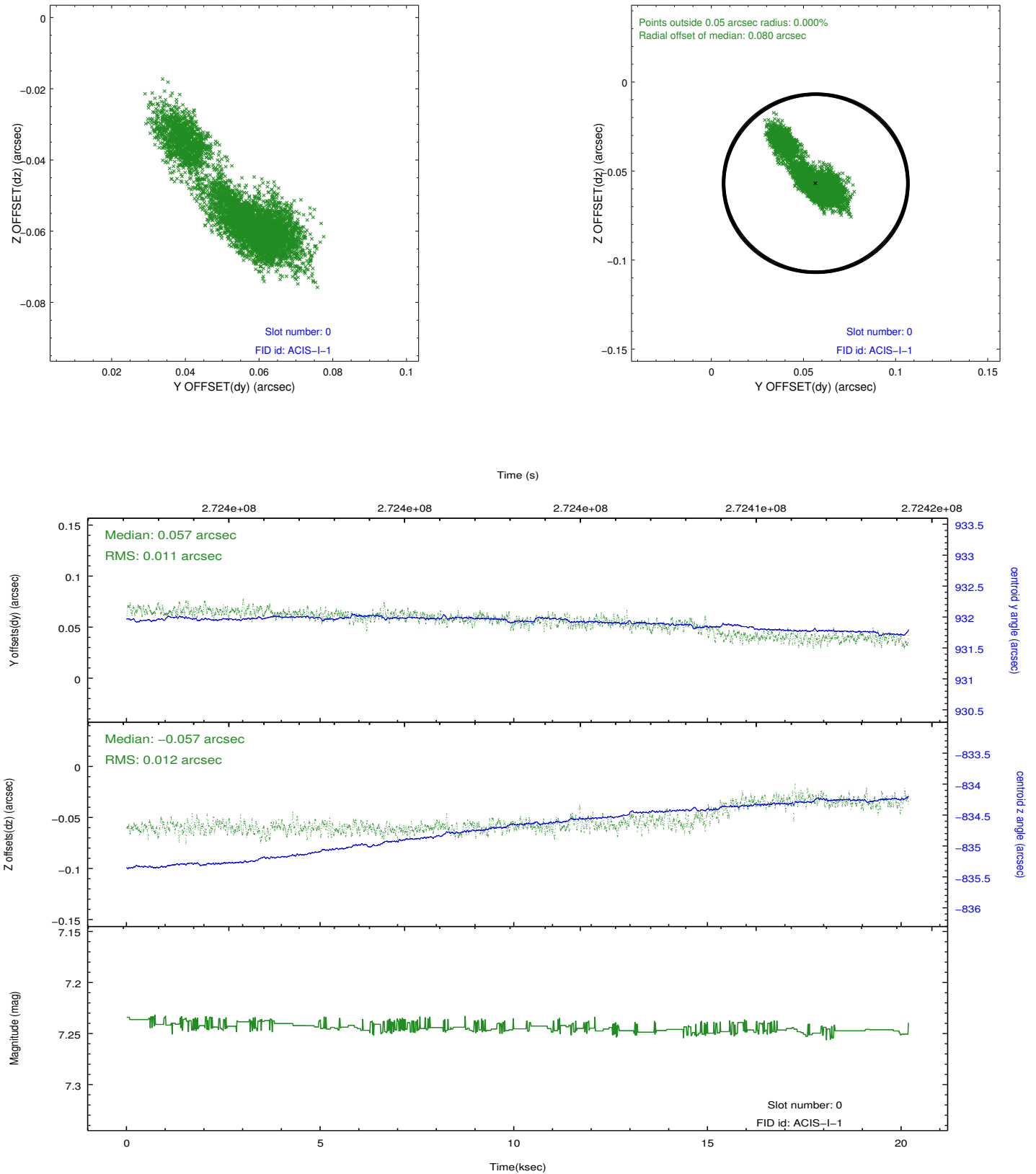


2.4.5 Slot 7

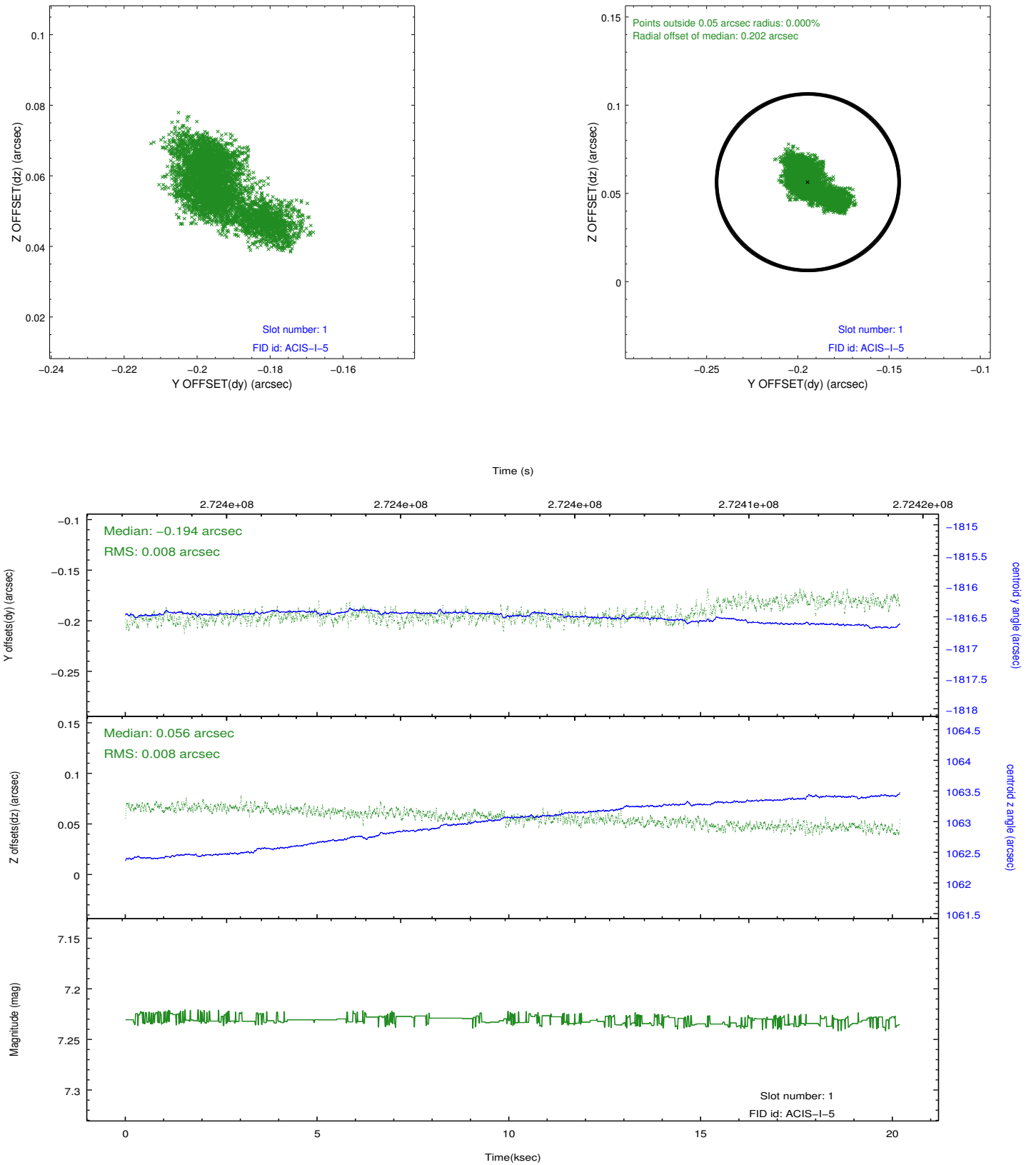


2.5 FID Slots

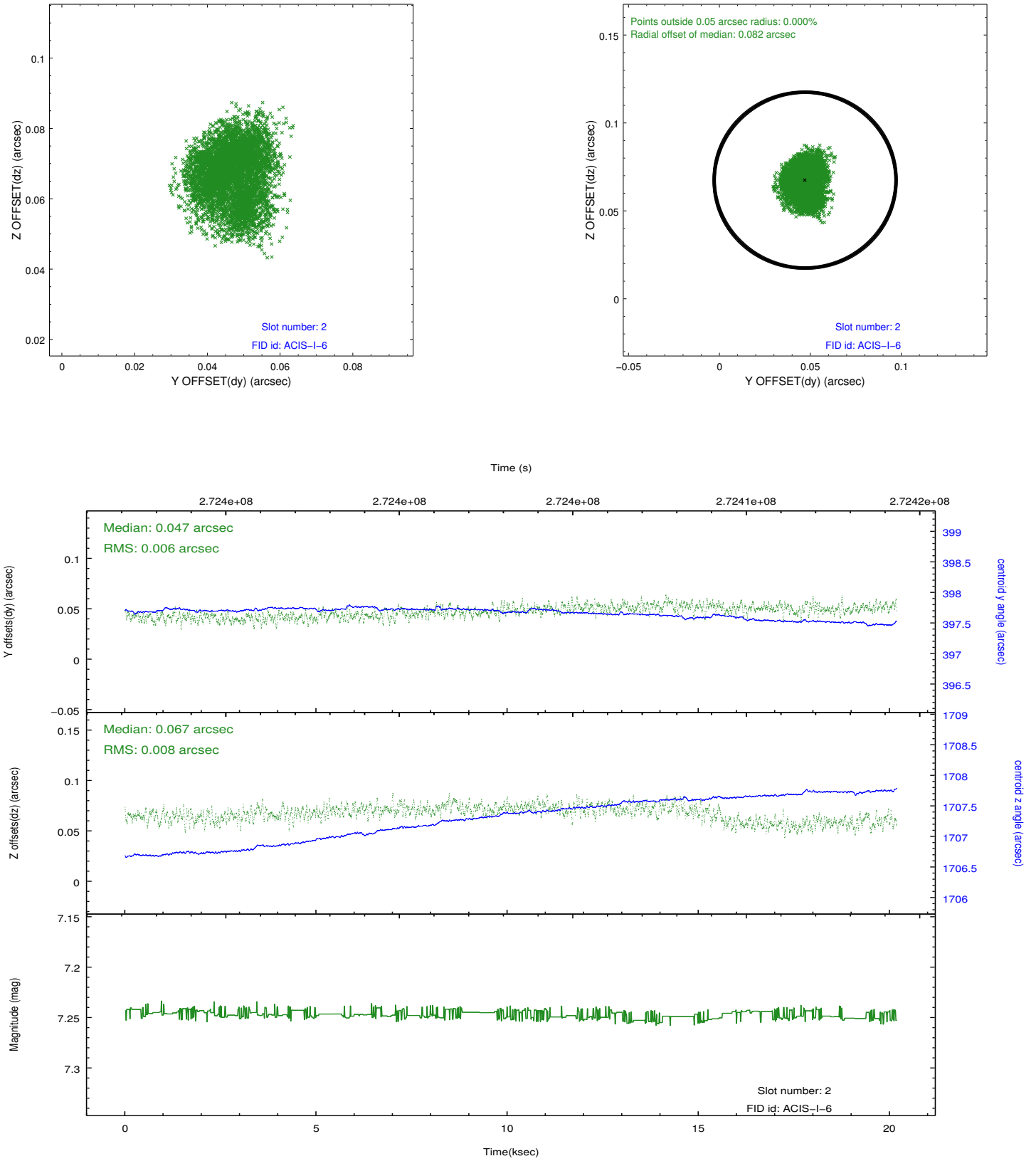
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1535179

A.2 Comments