

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21317 - L2 Version 1
Chandra X-Ray Center

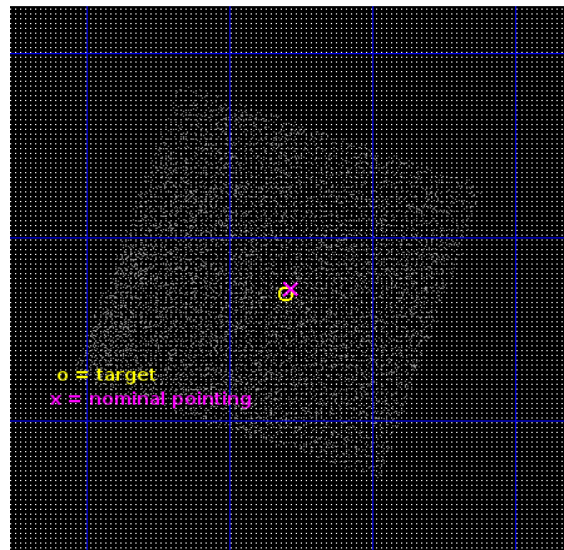
L2 Processing Date : May 9 2019

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1 Front

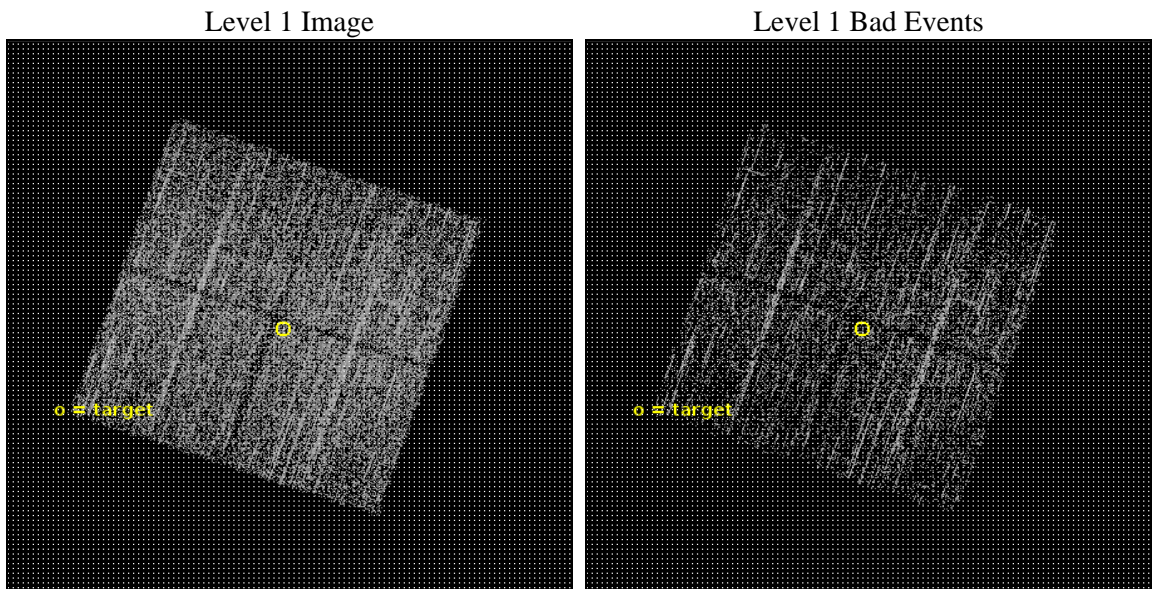
seq_num	503089	Sequence number
obs_id	21317	Observation id
title	Chandra ToO observations of Swift Galactic Plane Survey sources	Pr
observer	Chryssa Kouveliotou	Principal investigator
object	Swift J184418.3-023304	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.075375	Observer's specified target RA [deg]
dec_targ	-2.551278	Observer's specified target Dec [deg]
ra_nom	281.07055605195	Nominal RA [deg]
dec_nom	-2.5467750780061	Nominal Dec [deg]
roll_nom	109.0546767672	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2578.1031134129	Sum of GTIs [s]
livetime	2544.4182982642	Livetime [s]
ontime0	2577.9799934626	Sum of GTIs [s]
ontime1	2578.0210334063	Sum of GTIs [s]
ontime2	2578.0620734692	Sum of GTIs [s]
ontime3	2578.1031134129	Sum of GTIs [s]
l2events	7934	Number of level 2 events



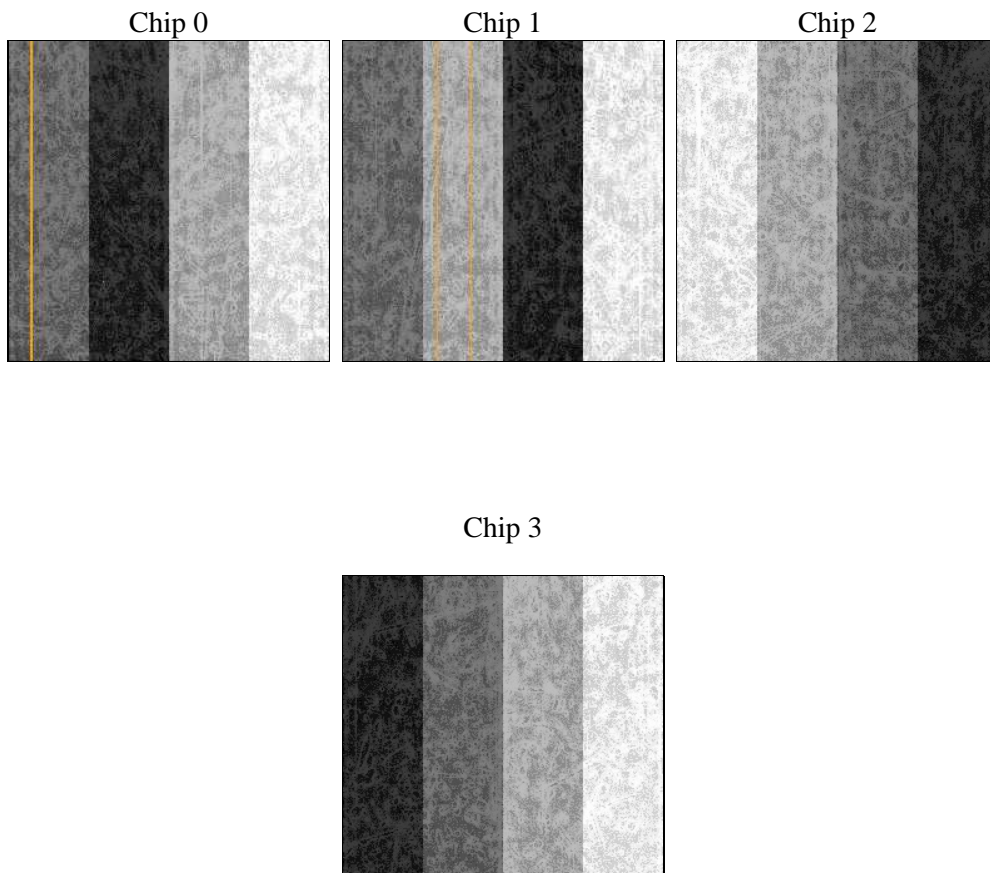
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	2578.1031134129	Sum of GTIs [s]
caldsver	4.8.2	 	ontime0	2577.9799934626	Sum of GTIs [s]
date	2019-05-09T08:45:54	Date and time of file creation	ontime1	2578.0210334063	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	2578.0620734692	Sum of GTIs [s]
			ontime3	2578.1031134129	Sum of GTIs [s]
			l1events	75707	Number of level 1 events

2.1.4 Events

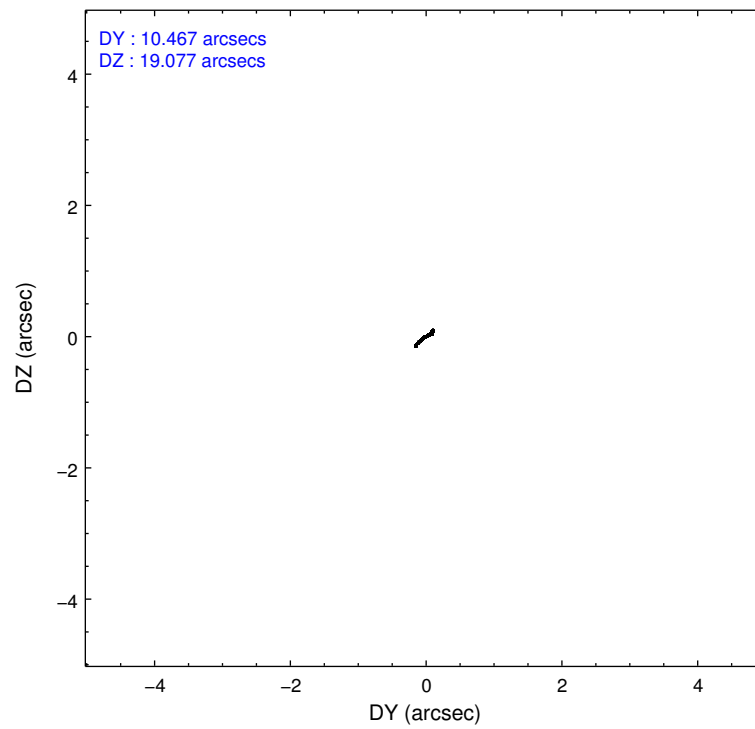
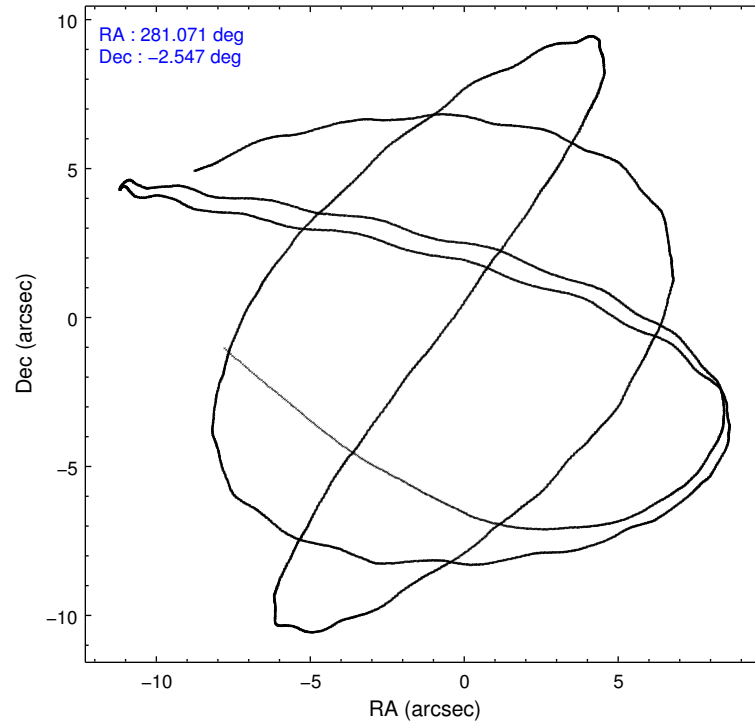
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	17131	18201	19936	20439
rejected events	14837	15569	17751	18181
rejected %	86%	85%	89%	88%

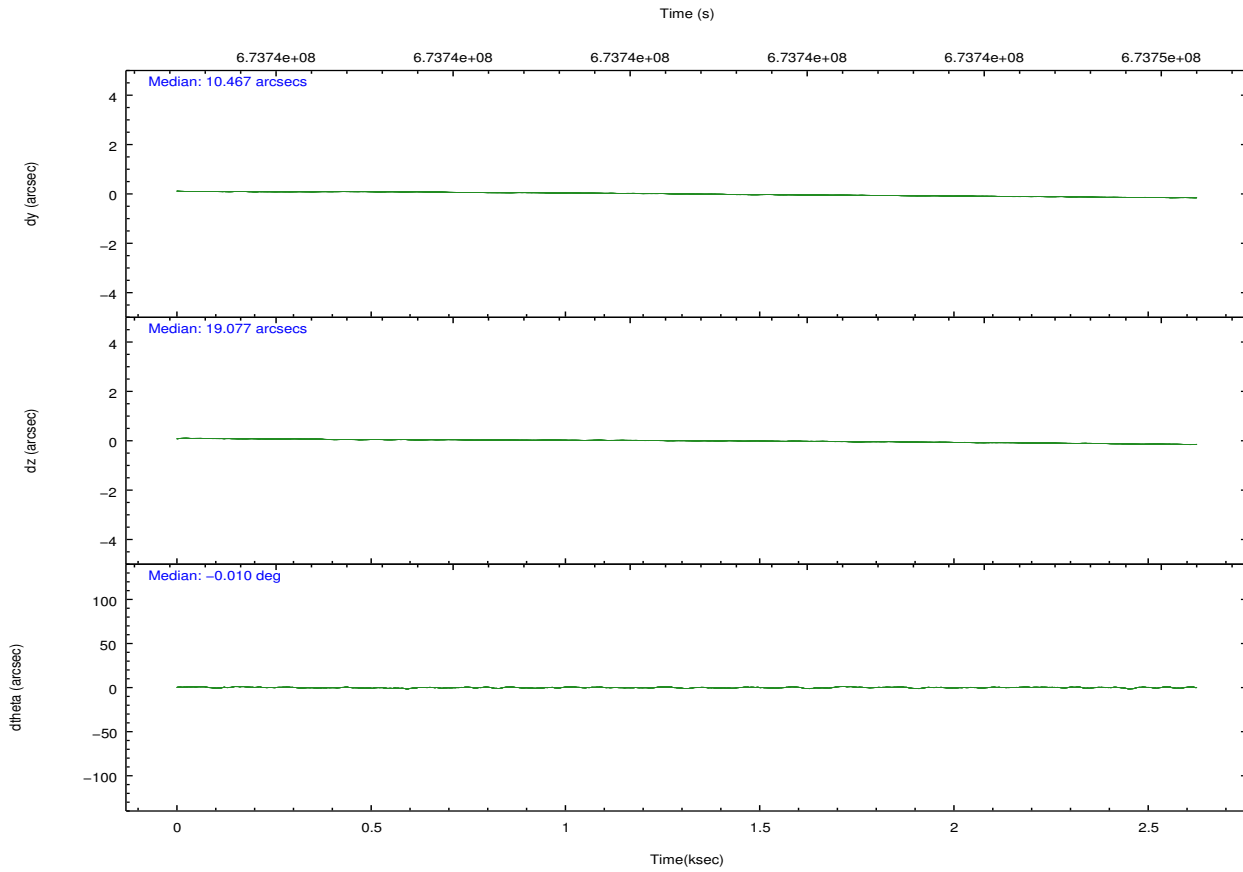
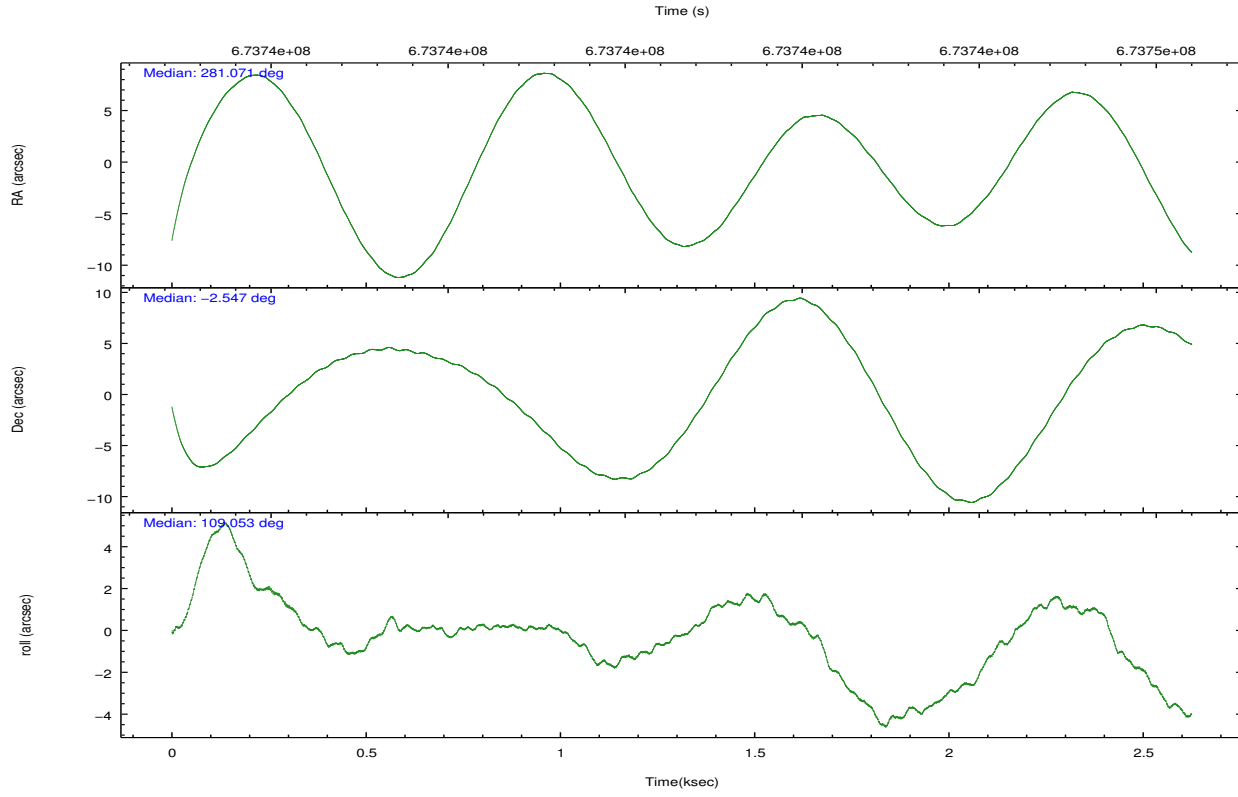
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	817	897	819	932
	4%	4%	4%	4%
grade 1 events	11	5	13	12
	0%	0%	0%	0%
grade 2 events	555	709	548	448
	3%	3%	2%	2%
grade 3 events	203	226	195	206
	1%	1%	0%	1%
grade 4 events	210	221	212	230
	1%	1%	1%	1%
grade 5 events	781	797	769	889
	4%	4%	3%	4%
grade 6 events	510	582	413	447
	2%	3%	2%	2%
grade 7 events	14044	14764	16967	17275
	81%	81%	85%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	281.091400	281.0705560519538	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.564827	-2.546775078006125	Alternating exposures requested	N	N
[deg] Pointing Roll	108.846917	109.054676767198	[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)	673742958.184000	673741892.23561			
Observation start date	2019-05-08T22:48:09	2019-05-08T22:31:32			
[s] Observation end time (MET)	673745458.184000	673745762.12334			
Observation end date	2019-05-08T23:29:49	2019-05-08T23:36:02			
Read mode	TIMED	TIMED			

2.3 Aspect



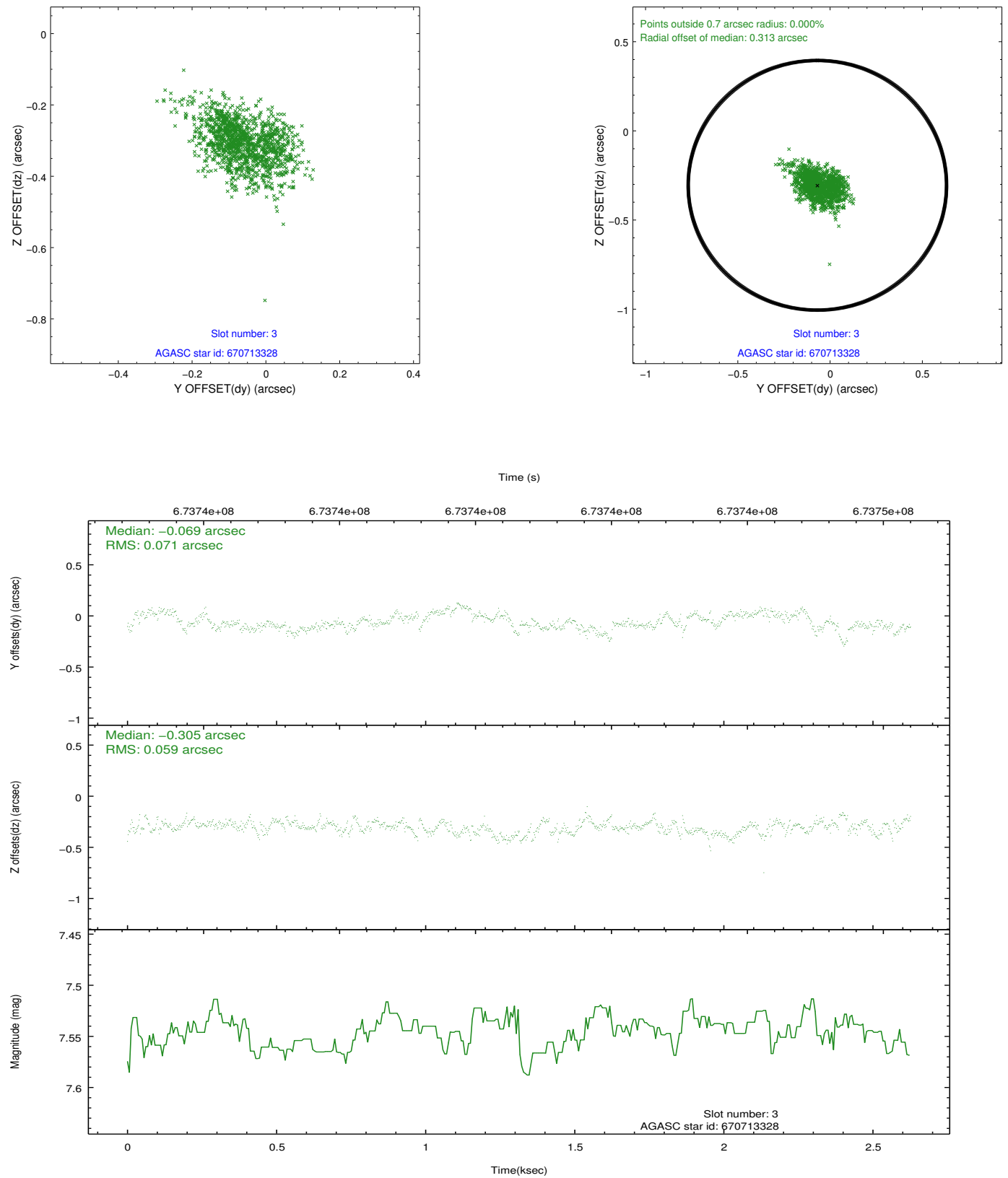


Slot Statistics

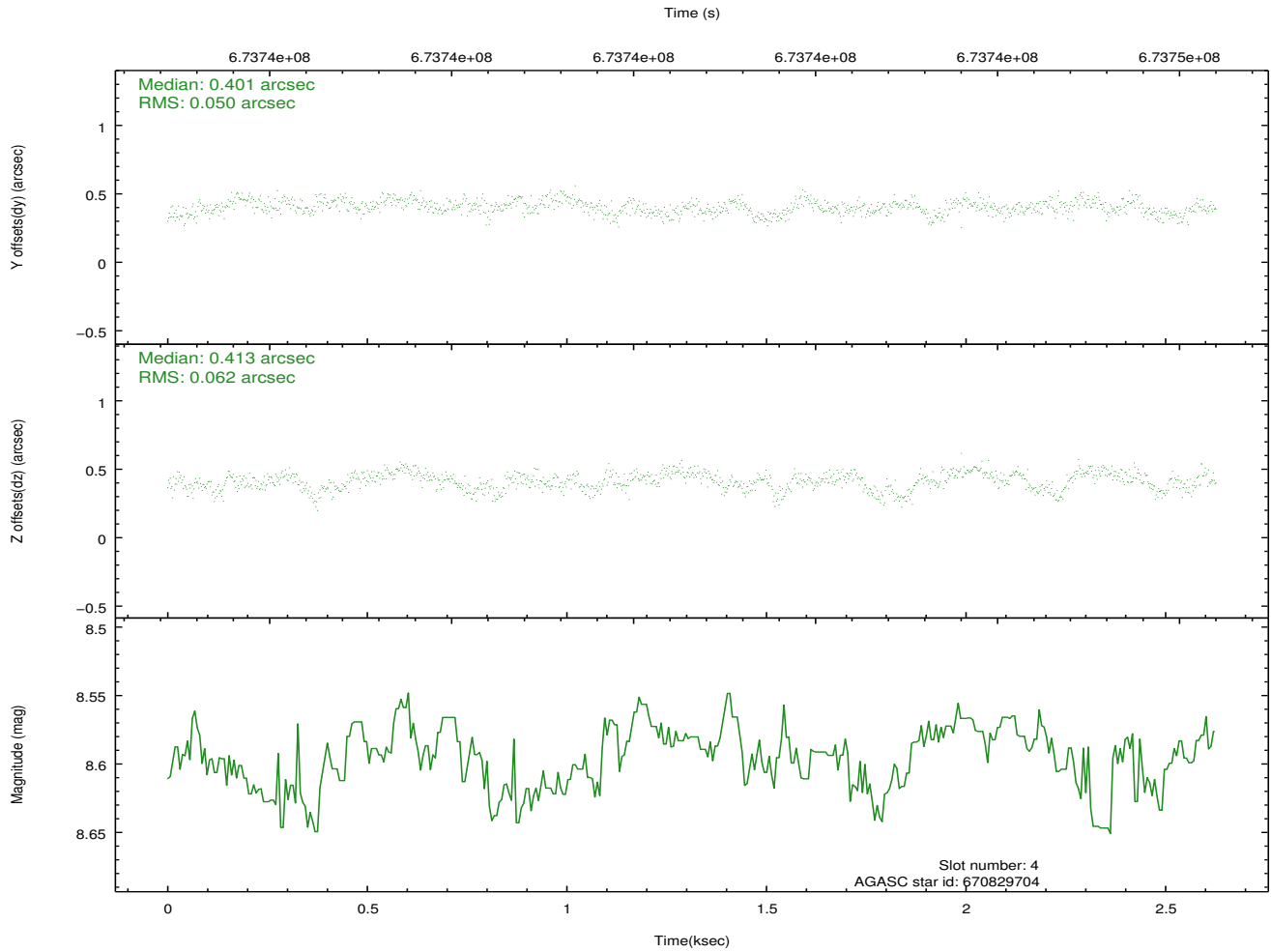
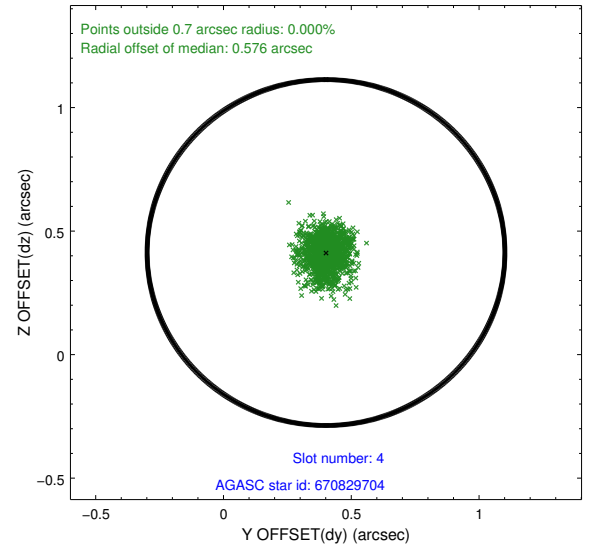
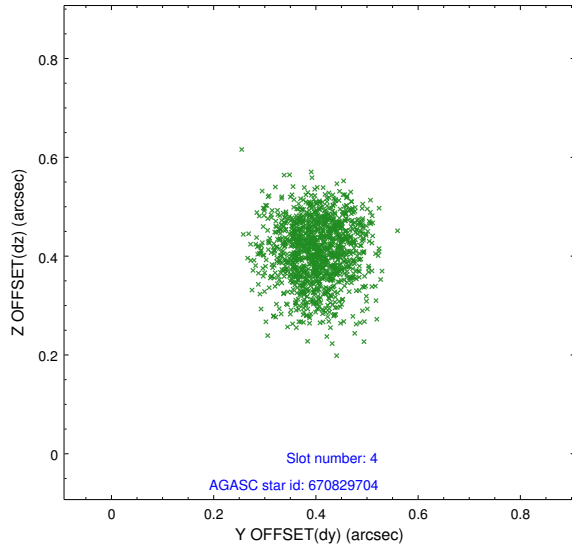
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.28	641	1.000	0.295	-0.064	0.007	0.013	0.000000	0.000000	929.54	-842
1	FID		ACIS-I-2	7.14	641	1.000	-0.232	0.029	0.010	0.020	0.000000	0.000000	-763.72	-850
2	FID		ACIS-I-5	7.25	641	1.000	-0.156	0.106	0.008	0.015	0.000000	0.000000	-1820.56	1053
3	GUIDE	used	670713328	7.55	1282	1.000	-0.069	-0.305	0.098	0.164	280.824681	-3.187771	-1812.13	1632
4	GUIDE	used	670829704	8.59	1282	1.000	0.401	0.413	0.086	0.136	281.322555	-2.956964	-1605.34	-328
5	GUIDE	used	670710320	7.71	1282	1.000	0.108	0.241	0.105	0.157	281.093022	-2.489215	254.78	-92
6	GUIDE	used	670707224	8.30	1282	1.000	-0.117	-0.197	0.075	0.128	281.080260	-2.549994	63.76	21
7	GUIDE	used	670696248	8.54	1278	1.000	-0.325	-0.145	0.078	0.135	280.734448	-1.961924	2468.32	515

2.4 Star Slots

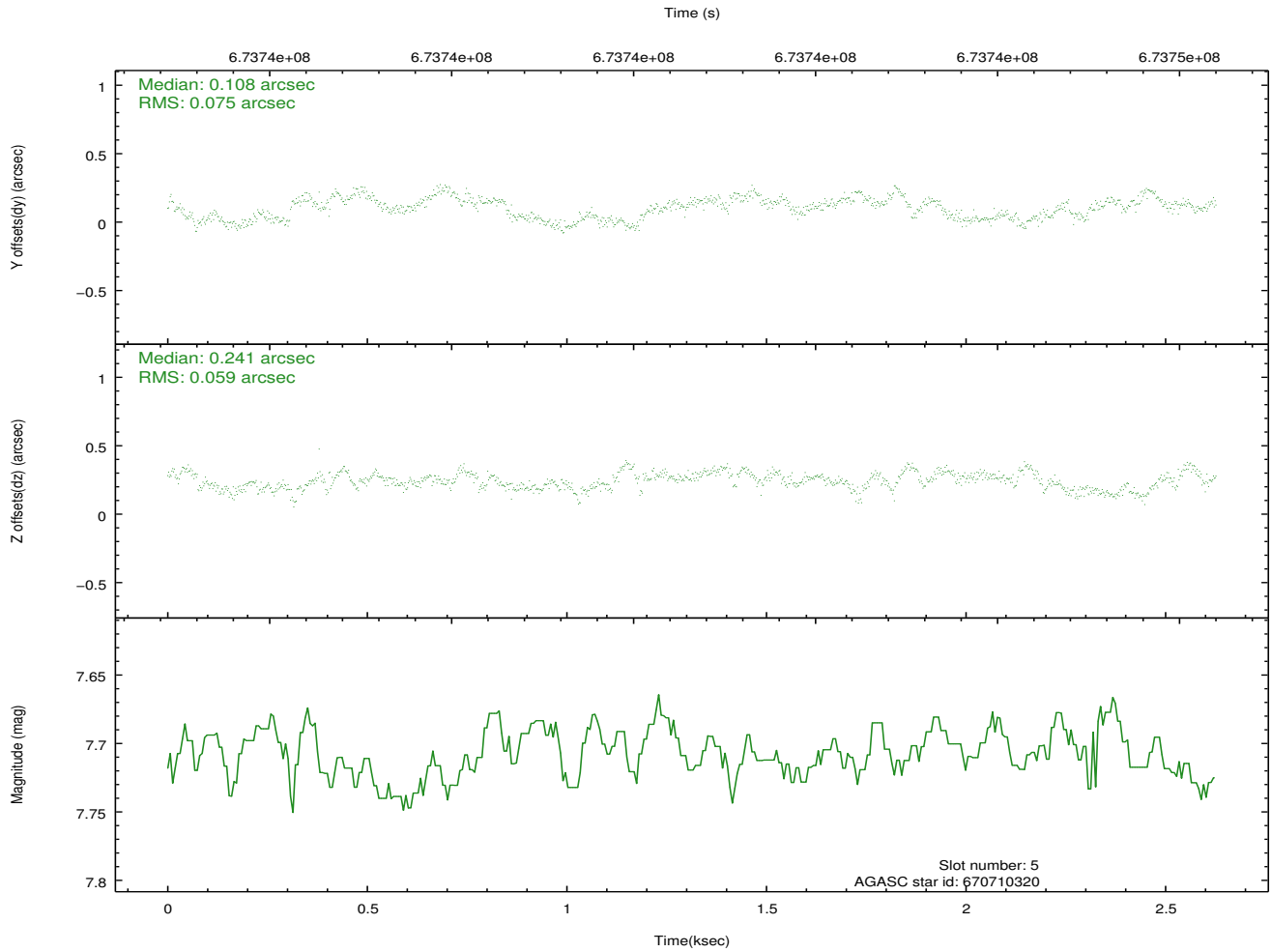
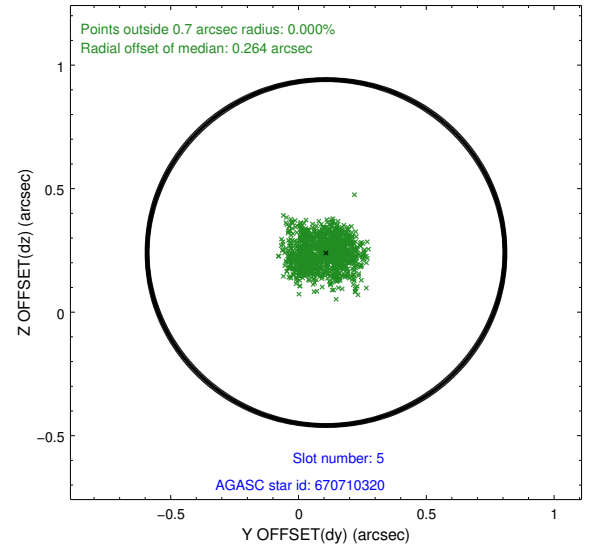
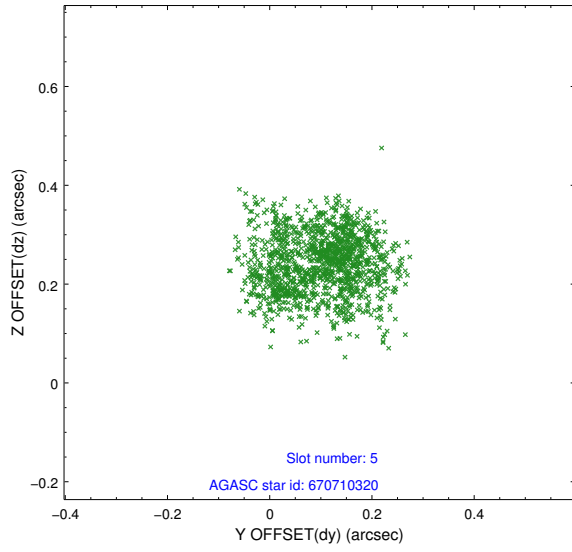
2.4.1 Slot 3



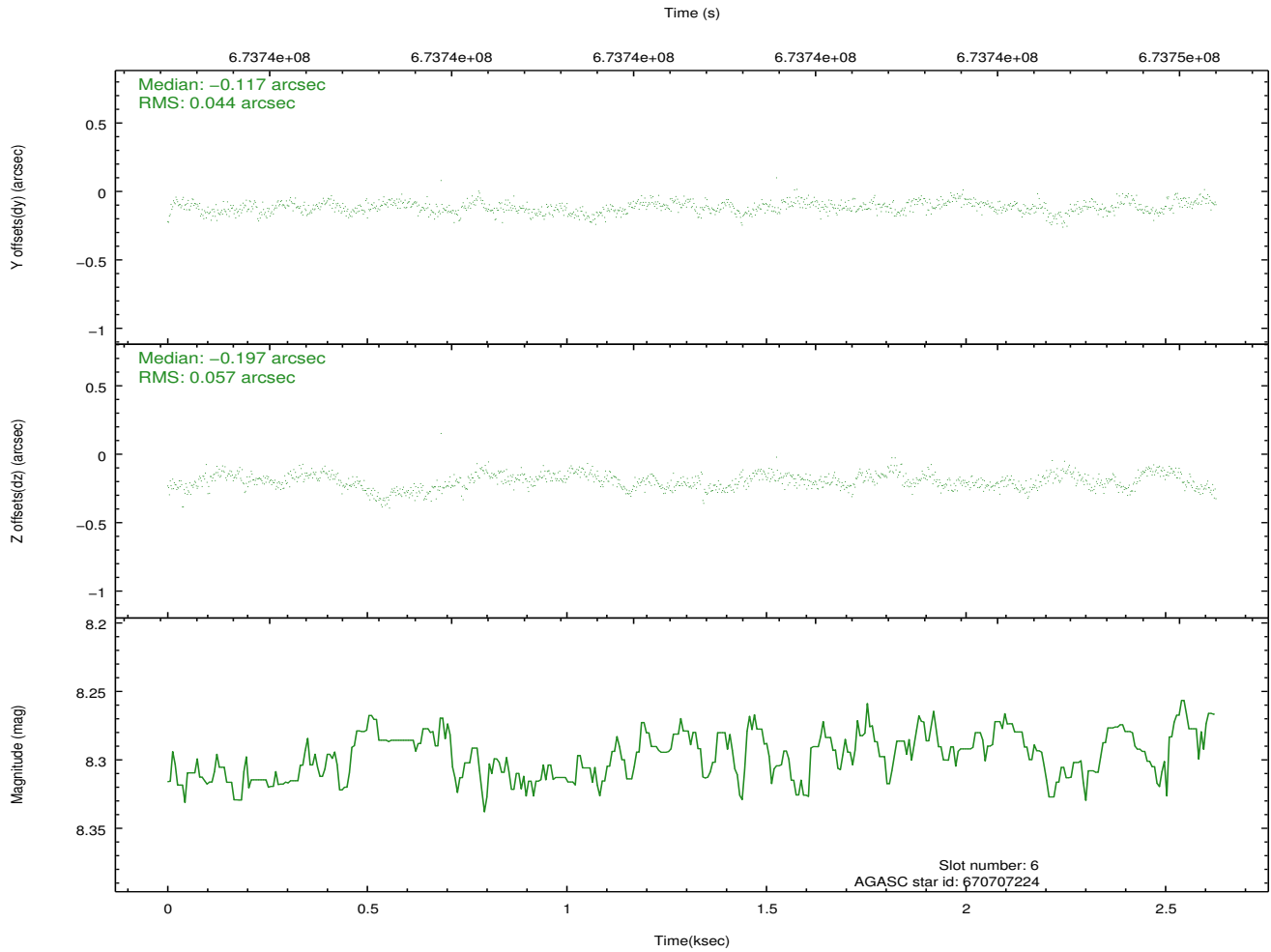
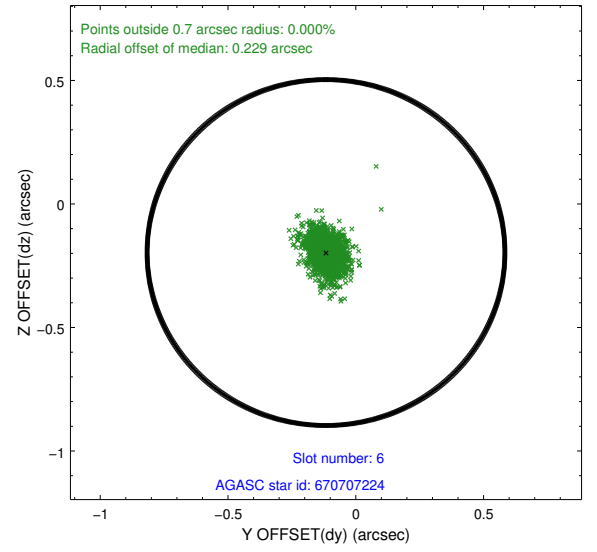
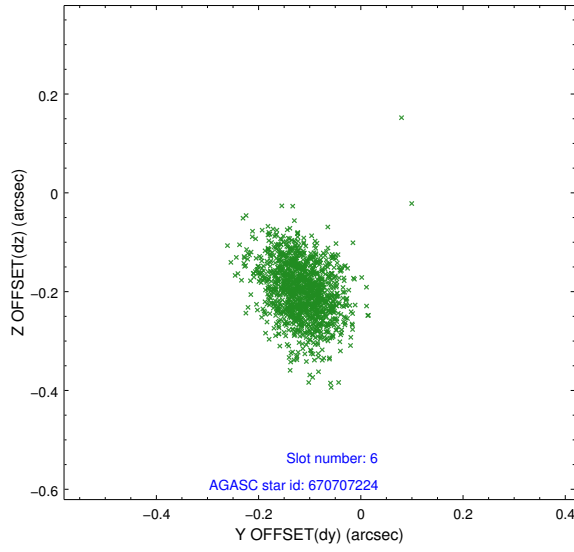
2.4.2 Slot 4



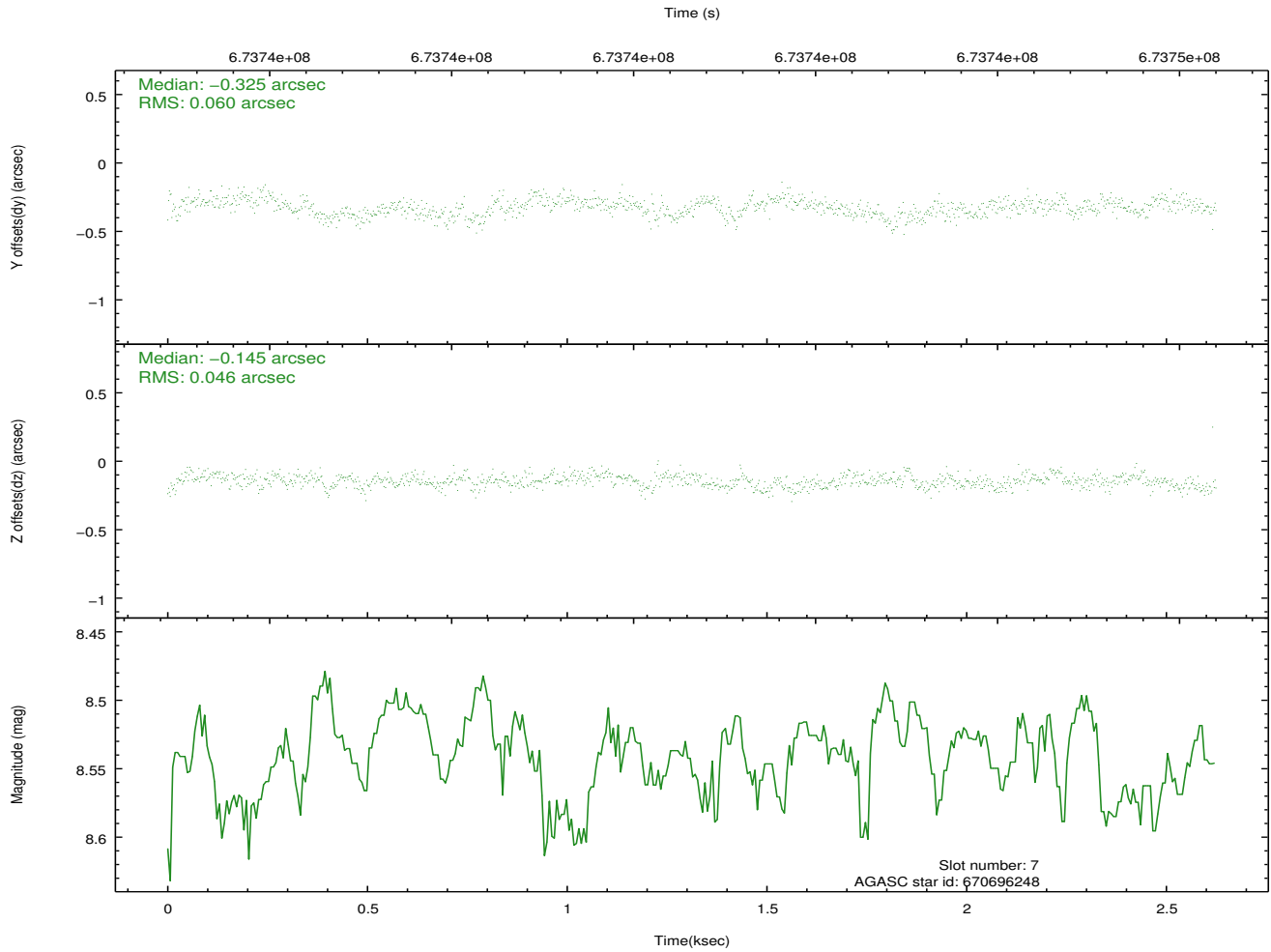
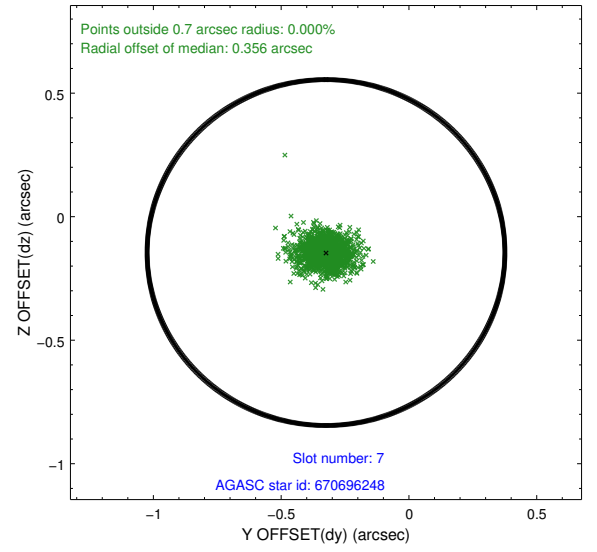
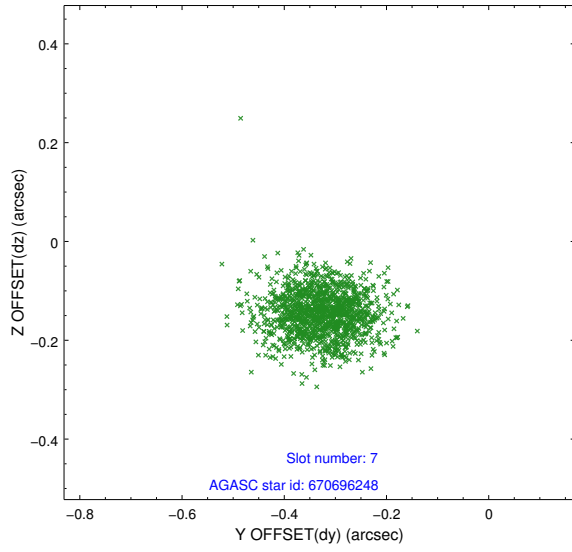
2.4.3 Slot 5



2.4.4 Slot 6

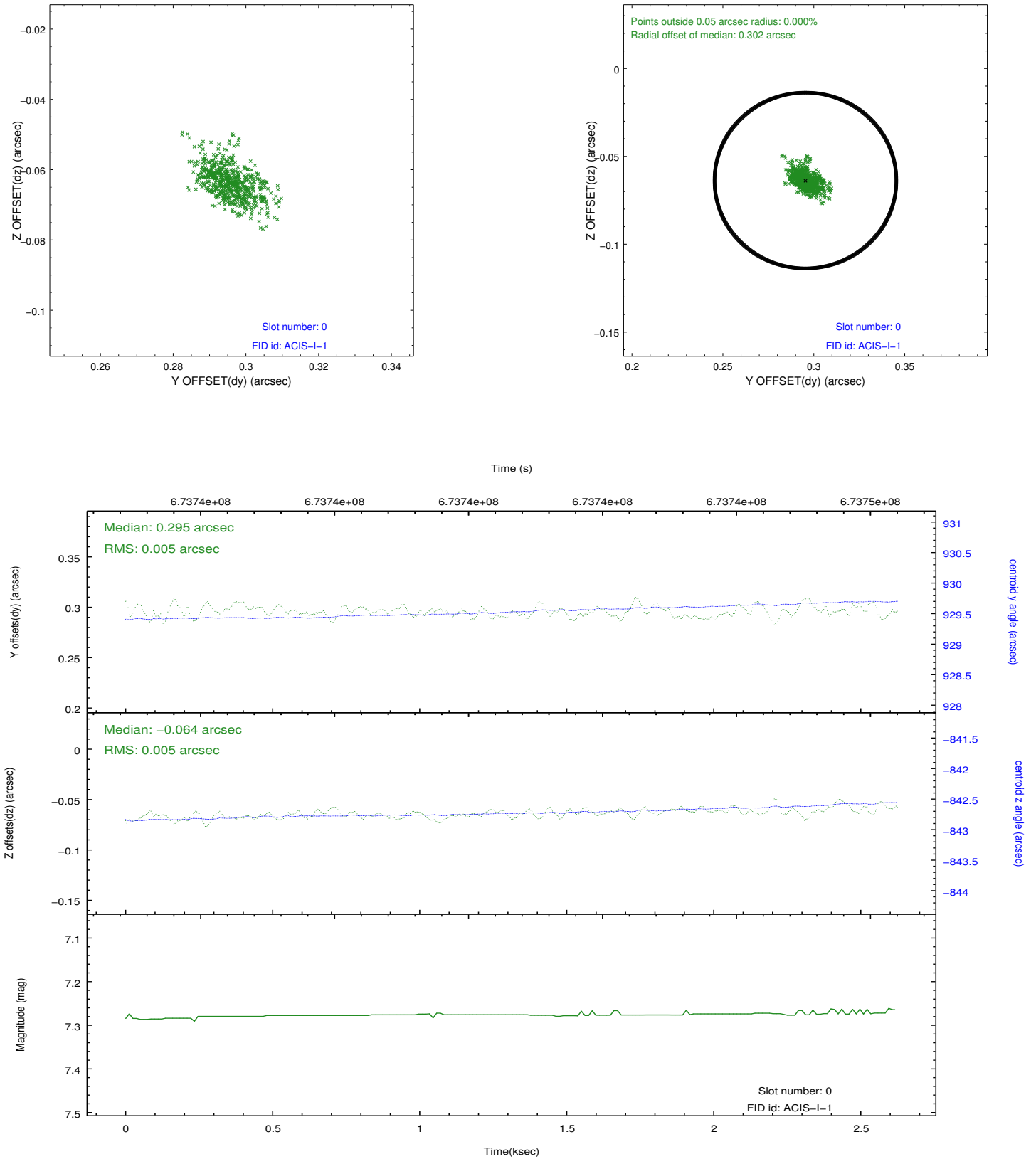


2.4.5 Slot 7

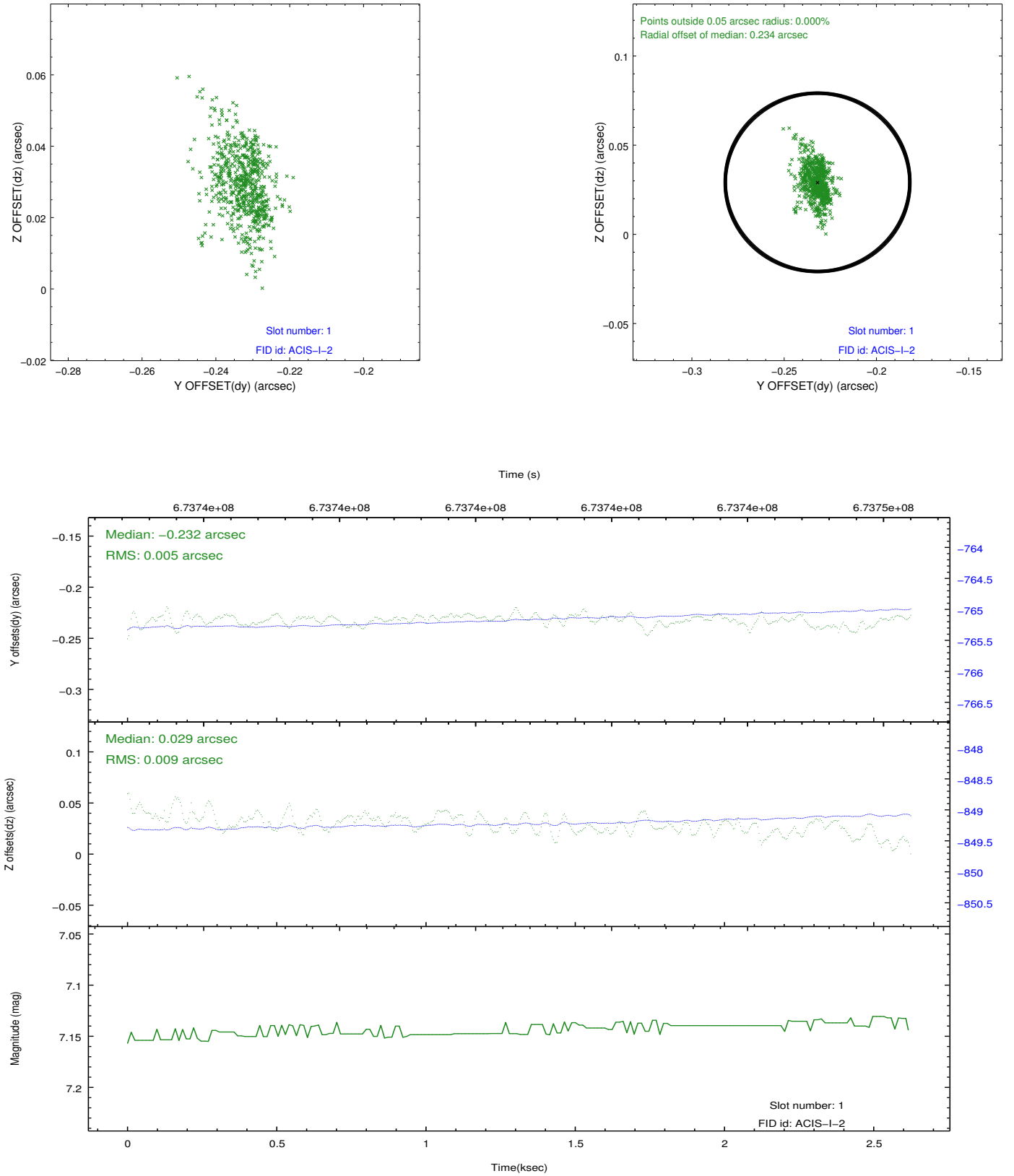


2.5 FID Slots

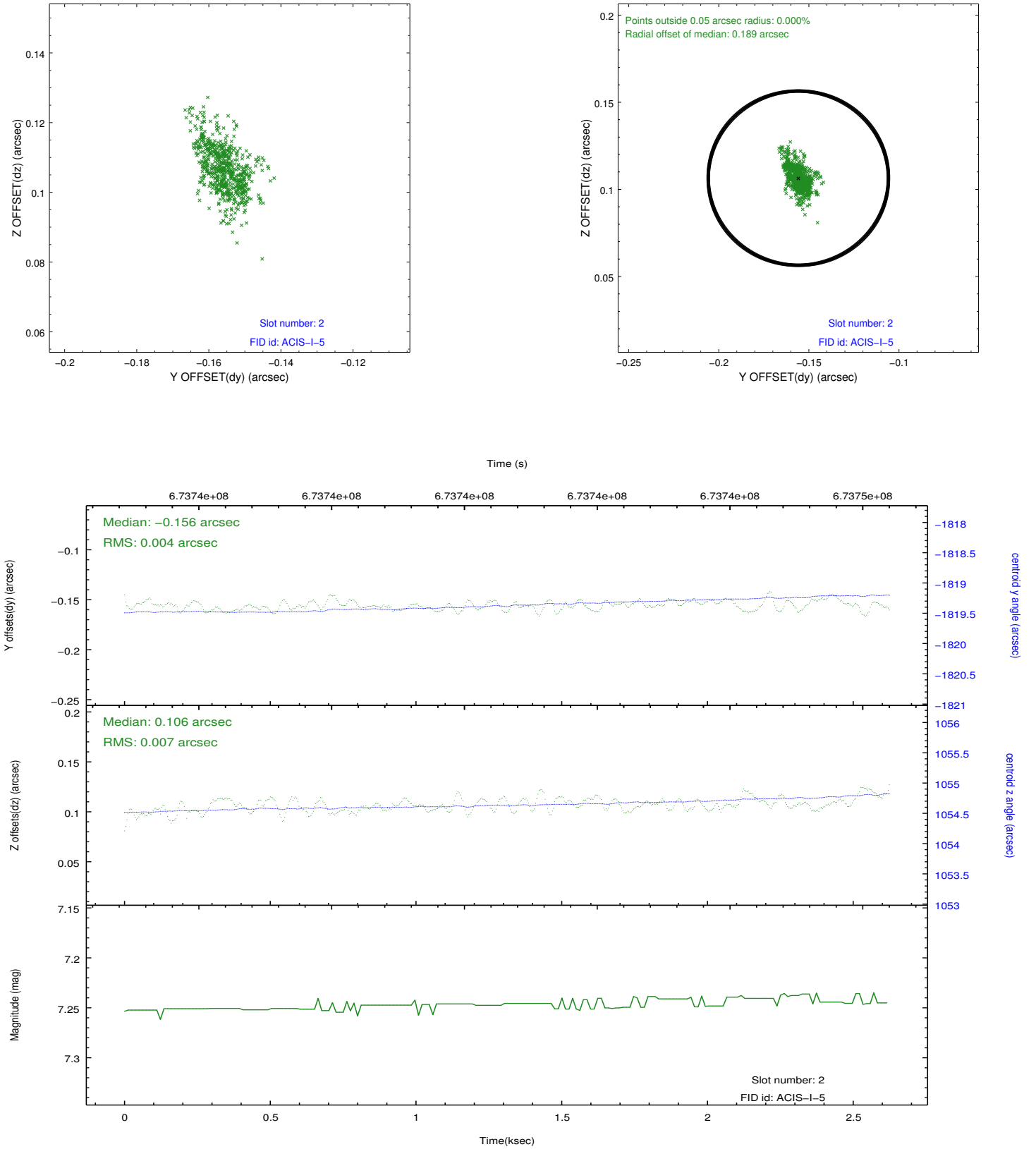
2.5.1 Slot 0



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)	2019.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.5781031134129

A.2 Comments