

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1875 - L2 Version 3
Chandra X-Ray Center

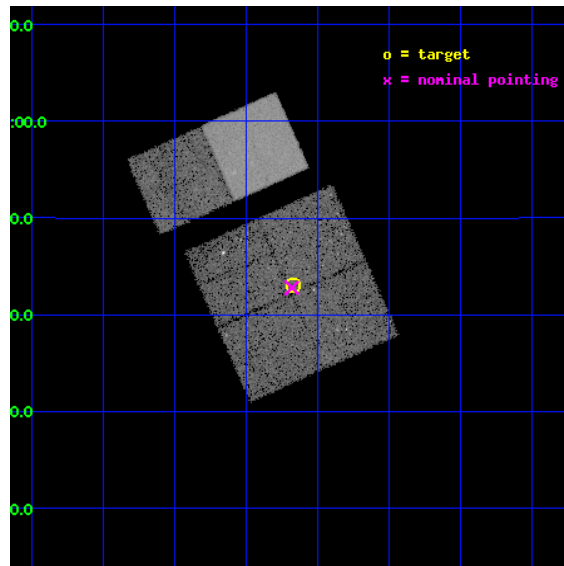
L2 Processing Date : Sep 6 2012

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1 Front

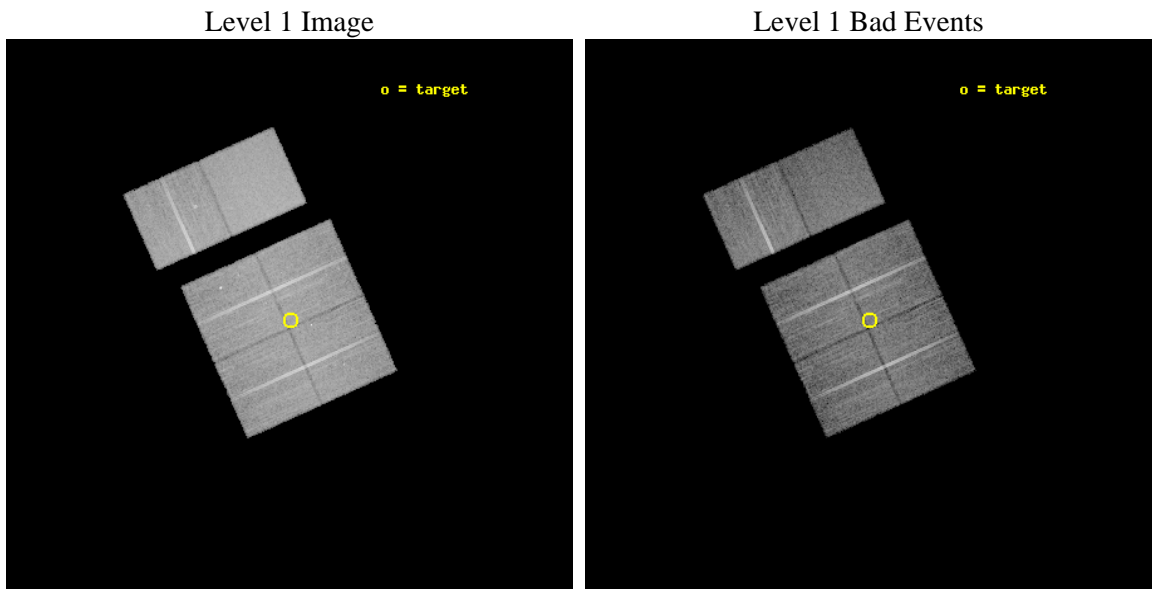
seq_num	200103	Sequence number
obs_id	1875	Observation id
title	STAR FORMATION IN THE ROSETTE MOLECULAR CLOUD	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	ROSETTE FIELD 2	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.166667	Observer's specified target RA [deg]
dec_targ	4.716667	Observer's specified target Dec [deg]
ra_nom	98.169922099855	Nominal RA [deg]
dec_nom	4.713132288733	Nominal Dec [deg]
roll_nom	335.89652758625	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19753.600018382	Sum of GTIs [s]
livetime	19503.468040759	Livetime [s]
ontime0	19753.600018382	Sum of GTIs [s]
ontime1	19753.600018382	Sum of GTIs [s]
ontime2	19753.600018382	Sum of GTIs [s]
ontime3	19753.600018382	Sum of GTIs [s]
ontime6	19753.600018382	Sum of GTIs [s]
ontime7	19753.600018382	Sum of GTIs [s]
l2events	122860	Number of level 2 events



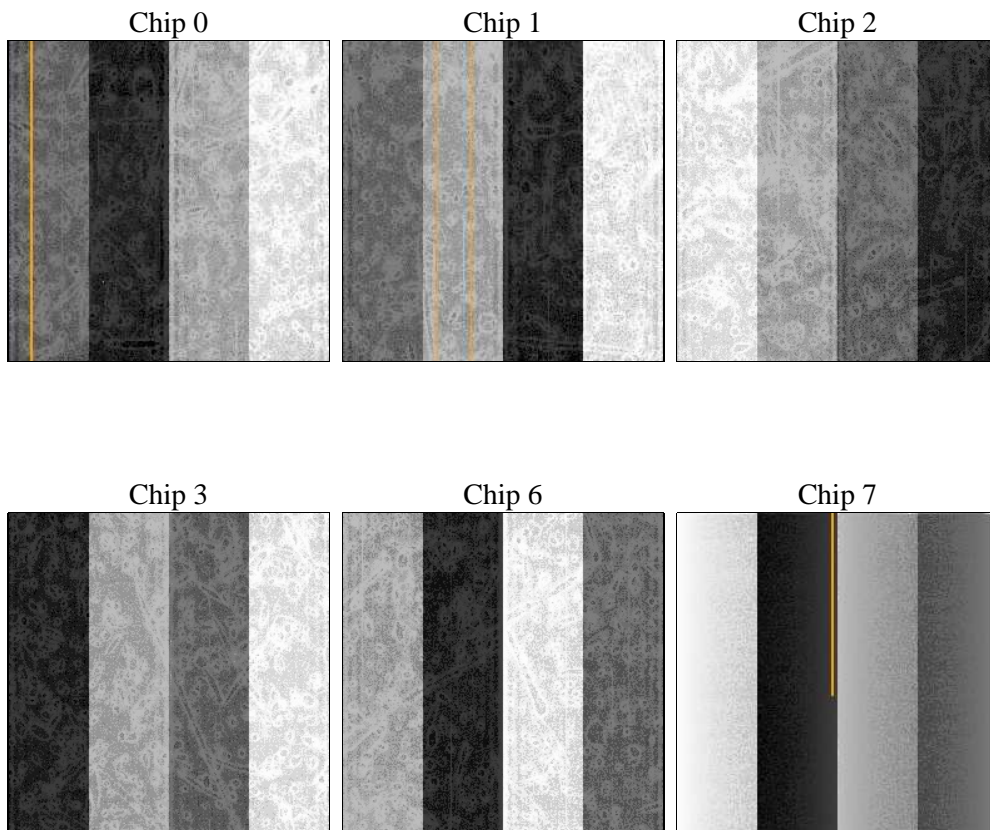
2 OBI

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	8.4.5	Processing system revision	ontime	19753.600018382	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	19753.600018382	Sum of GTIs [s]
date	2012-09-06T09:32:27	Date and time of file creation	ontime1	19753.600018382	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19753.600018382	Sum of GTIs [s]
			ontime3	19753.600018382	Sum of GTIs [s]
			ontime6	19753.600018382	Sum of GTIs [s]
			ontime7	19753.600018382	Sum of GTIs [s]
			l1events	729699	Number of level 1 events

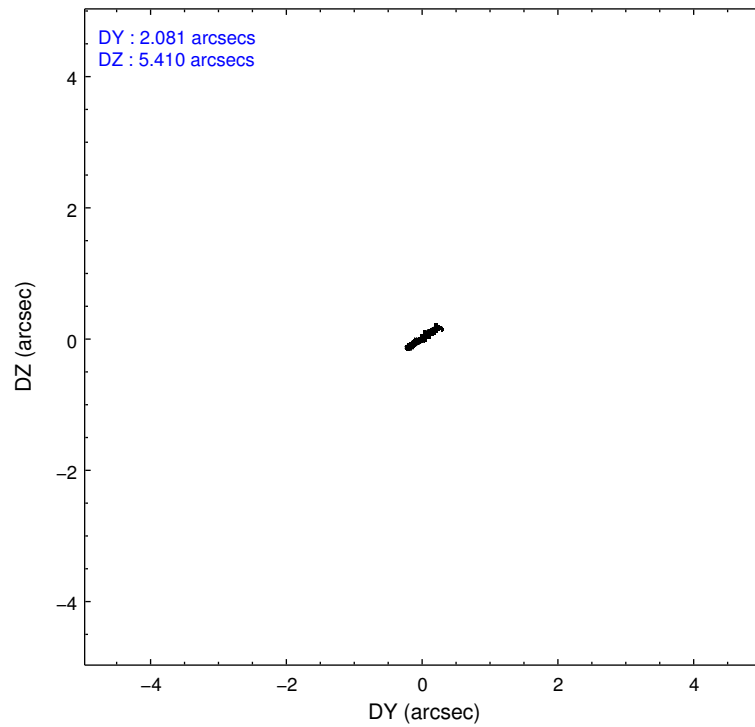
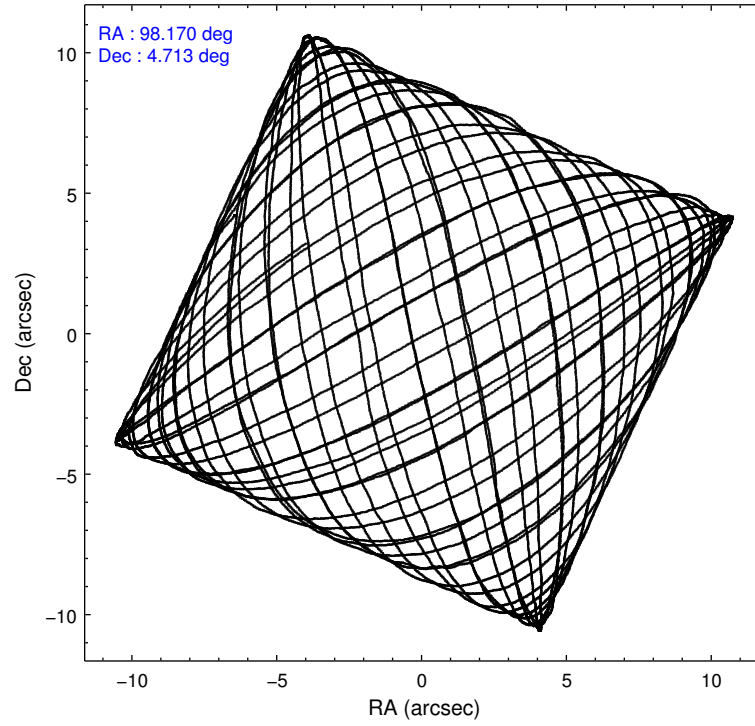
2.1.4 Events

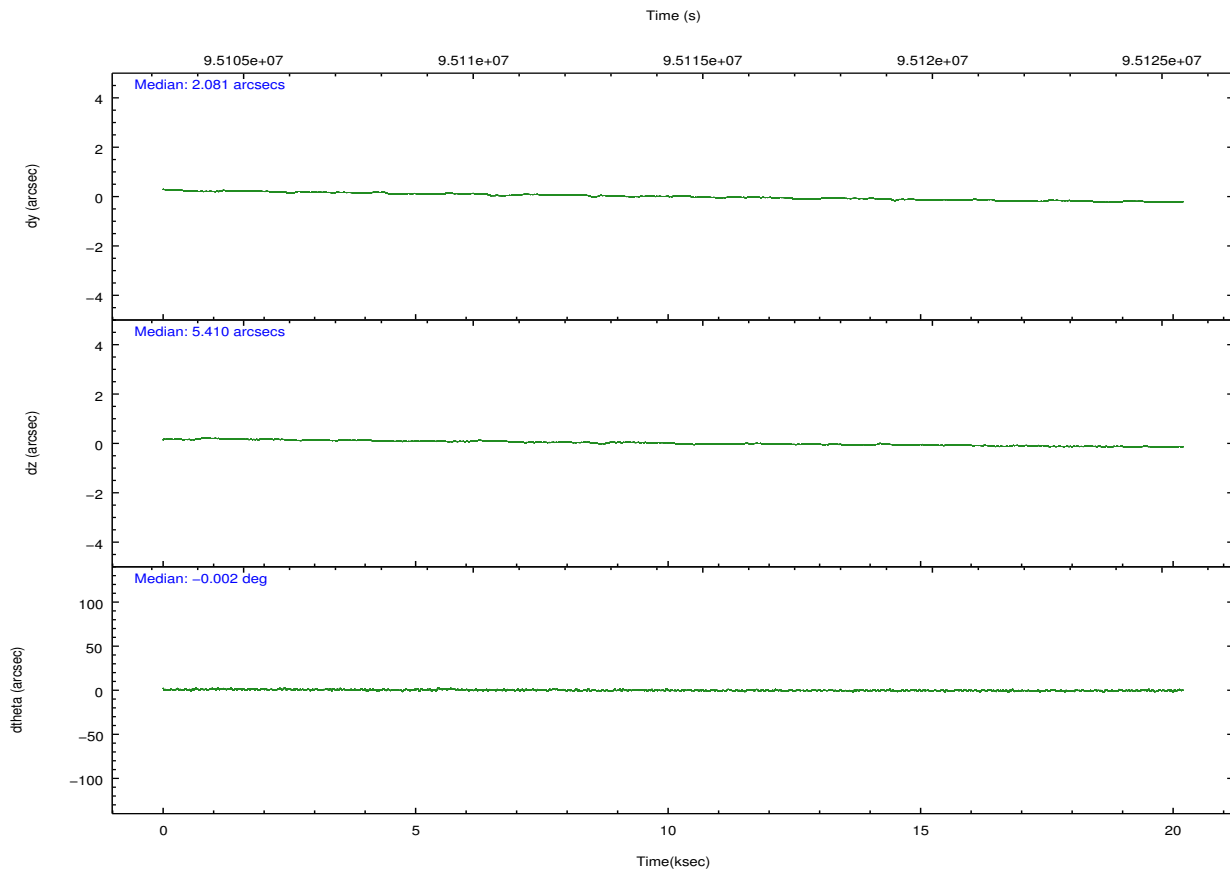
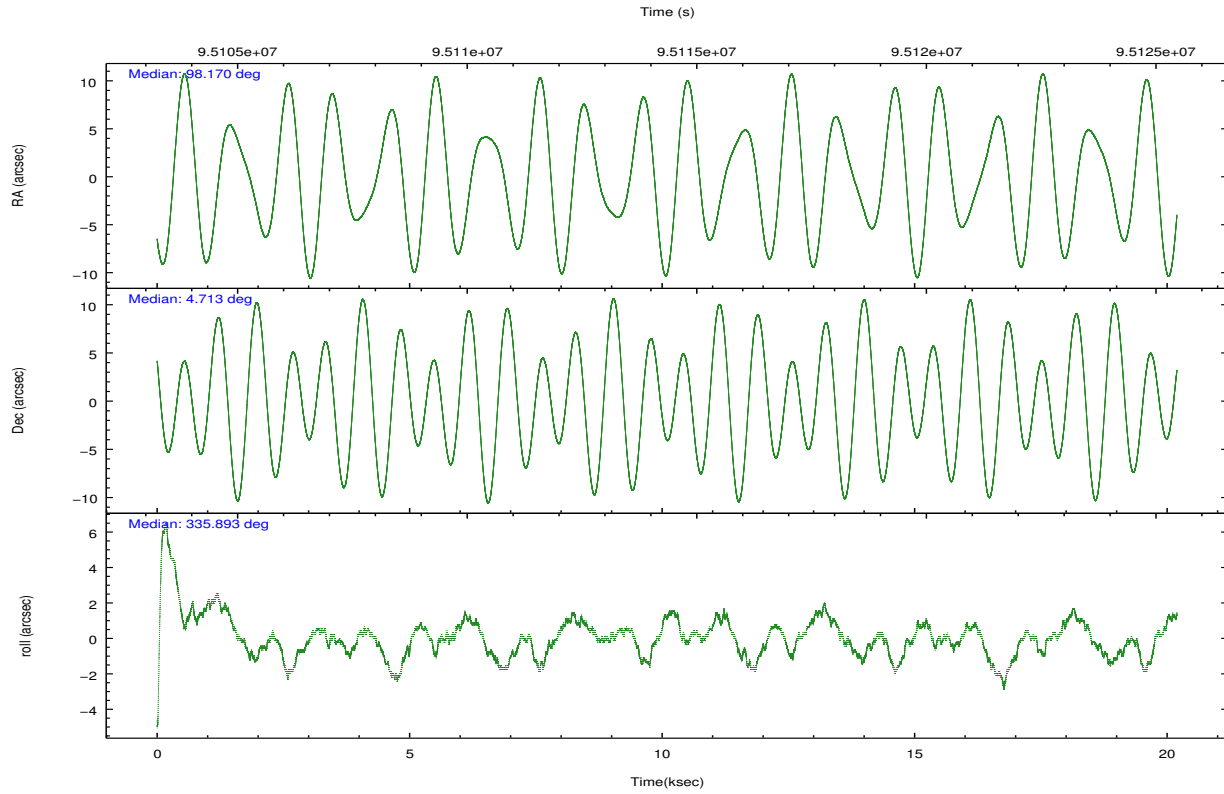
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	107164	110302	118231	117343	126853	149806	grade 0 events	5776	6653	6738	6563	6275	6057
rejected events	93531	94923	103618	103154	112384	87214		5%	6%	5%	5%	4%	4%
rejected %	87%	86%	87%	87%	88%	58%	grade 1 events	58	50	55	71	71	134
								0%	0%	0%	0%	0%	0%
							grade 2 events	2763	3083	2977	2659	2812	12370
								2%	2%	2%	2%	2%	8%
							grade 3 events	1375	1431	1301	1347	1333	5735
								1%	1%	1%	1%	1%	3%
							grade 4 events	1279	1505	1256	1272	1323	5666
								1%	1%	1%	1%	1%	3%
							grade 5 events	4230	4437	4119	4491	4931	14240
								3%	4%	3%	3%	3%	9%
							grade 6 events	2443	2709	2346	2356	2738	32783
								2%	2%	1%	2%	2%	21%
							grade 7 events	89240	90434	99439	98584	107370	72821
								83%	81%	84%	84%	84%	48%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	98.142518	98.16992209985457	Subarray requested	NONE	NONE
[deg] Pointing Dec	4.710349	4.713132288732995	Alternating exposures requested	N	N
[deg] Pointing Roll	335.690091	335.8965275862535	[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)	95104451.184000	95104075.816975			
Observation start date	2001-01-05T17:53:07	2001-01-05T17:47:55			
[s] Observation end time (MET)	95124451.184000	95124585.042761			
Observation end date	2001-01-05T23:26:27	2001-01-05T23:29:45			
Read mode	TIMED	TIMED			

2.3 Aspect



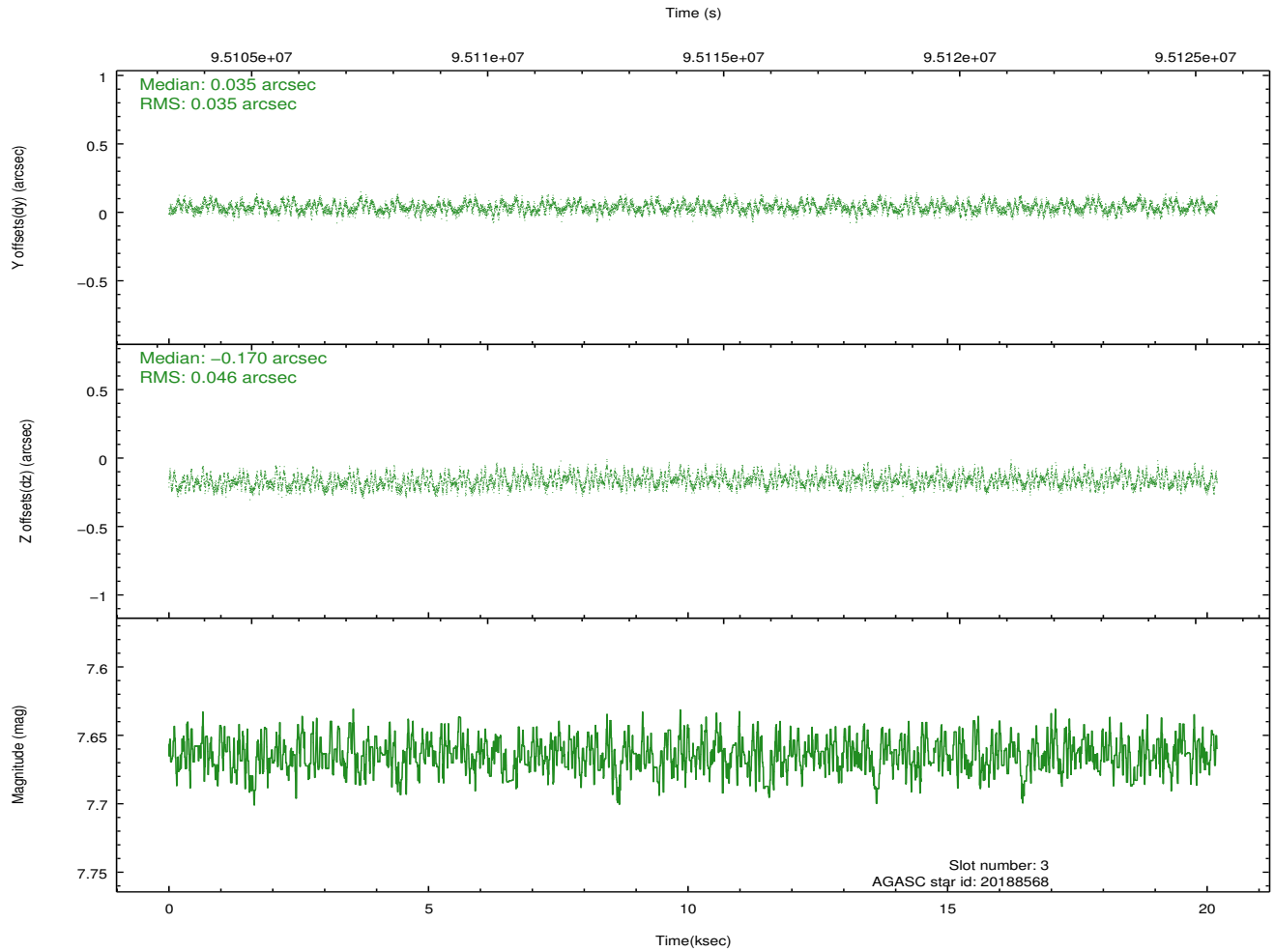
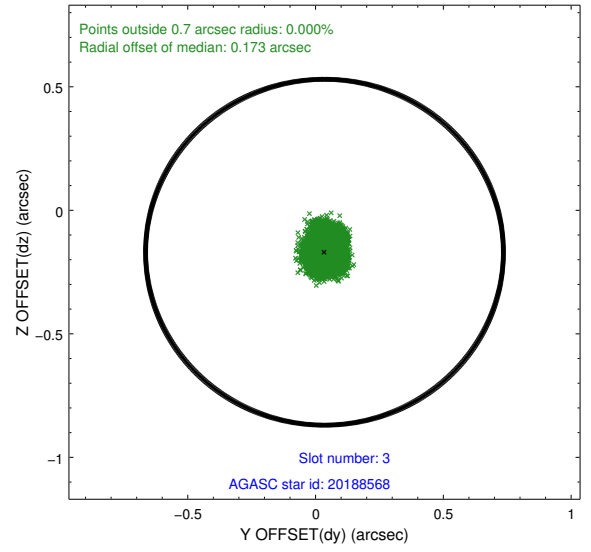
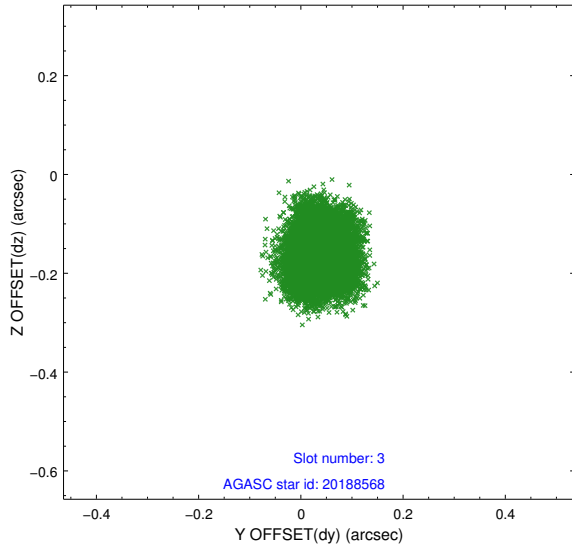


Slot Statistics

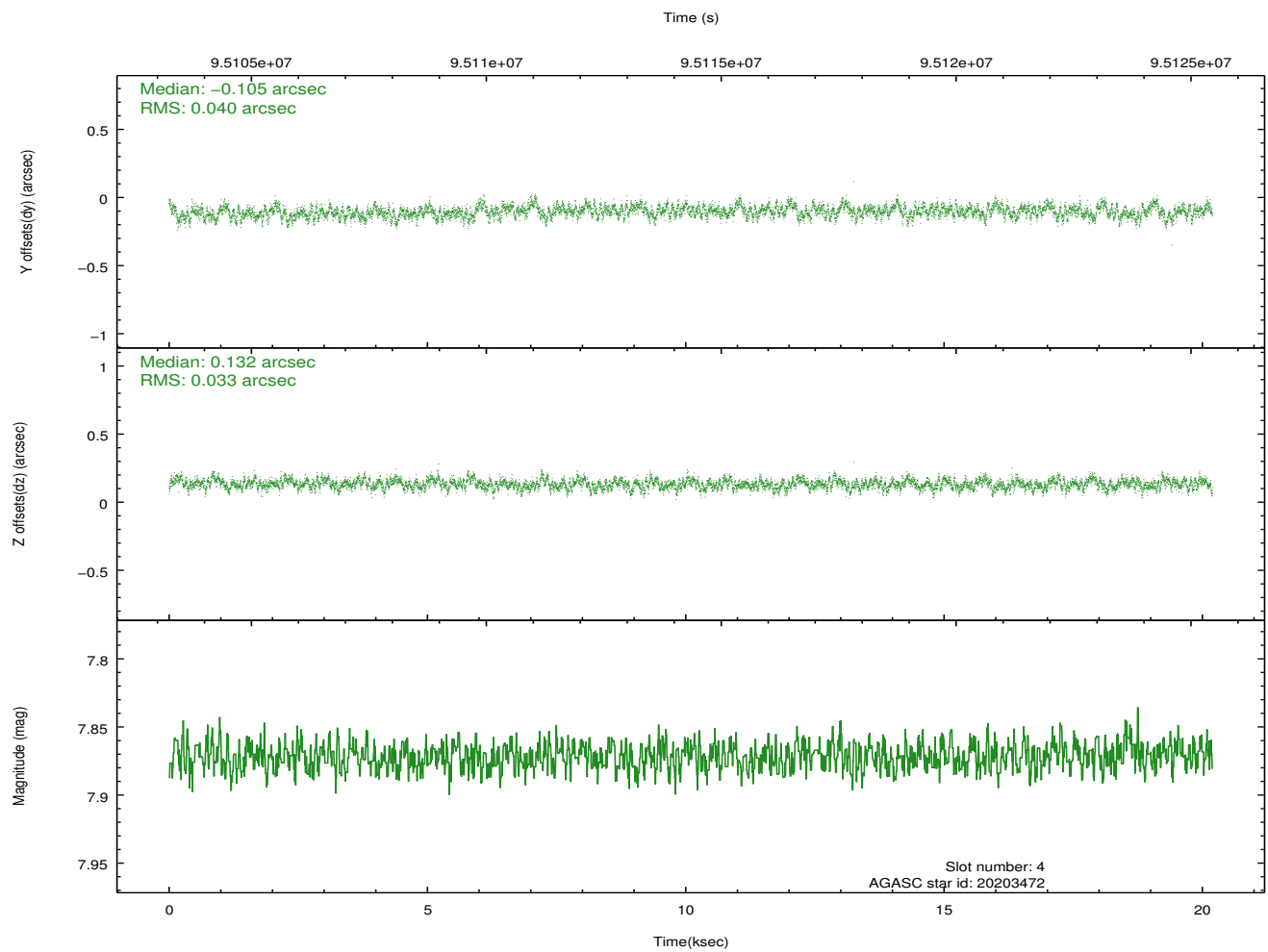
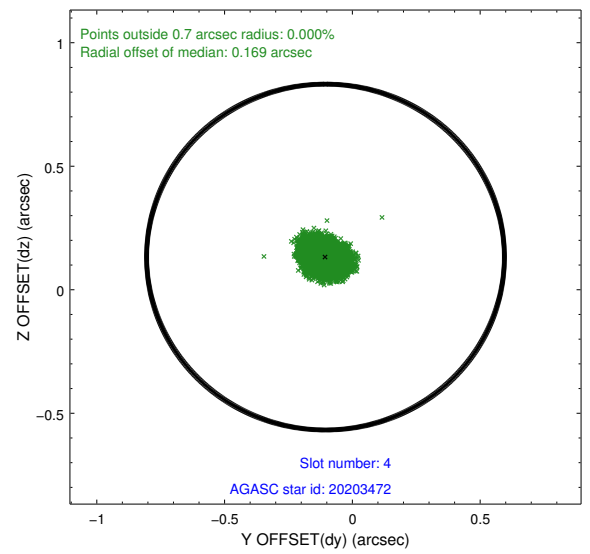
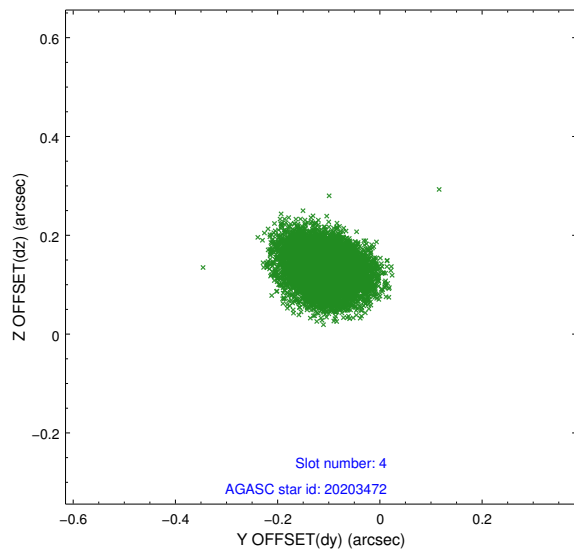
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	4925	-0.028	-0.047	0.012	0.019	0.000000	0.000000	-756.46	-835.19
1	FID	ACIS-I-4	7.19	4923	-0.019	0.038	0.011	0.022	0.000000	0.000000	2157.52	1070.99
2	FID	ACIS-I-5	7.23	4924	-0.053	0.078	0.010	0.016	0.000000	0.000000	-1810.08	1069.08
3	GUIDE	20188568	7.66	9851	0.035	-0.170	0.063	0.097	98.433538	5.215985	201.11	2088.85
4	GUIDE	20203472	7.87	9848	-0.105	0.132	0.055	0.091	98.653479	4.344261	2213.59	-444.53
5	GUIDE	20185648	7.56	9852	0.063	-0.069	0.061	0.096	98.038775	4.823536	-506.83	218.42
6	GUIDE	20194960	7.68	9852	-0.022	0.039	0.054	0.090	97.758599	4.508135	-956.26	-1229.97
7	GUIDE	20204256	7.93	9849	0.027	0.069	0.061	0.099	97.968888	5.033108	-1046.13	802.93

2.4 Star Slots

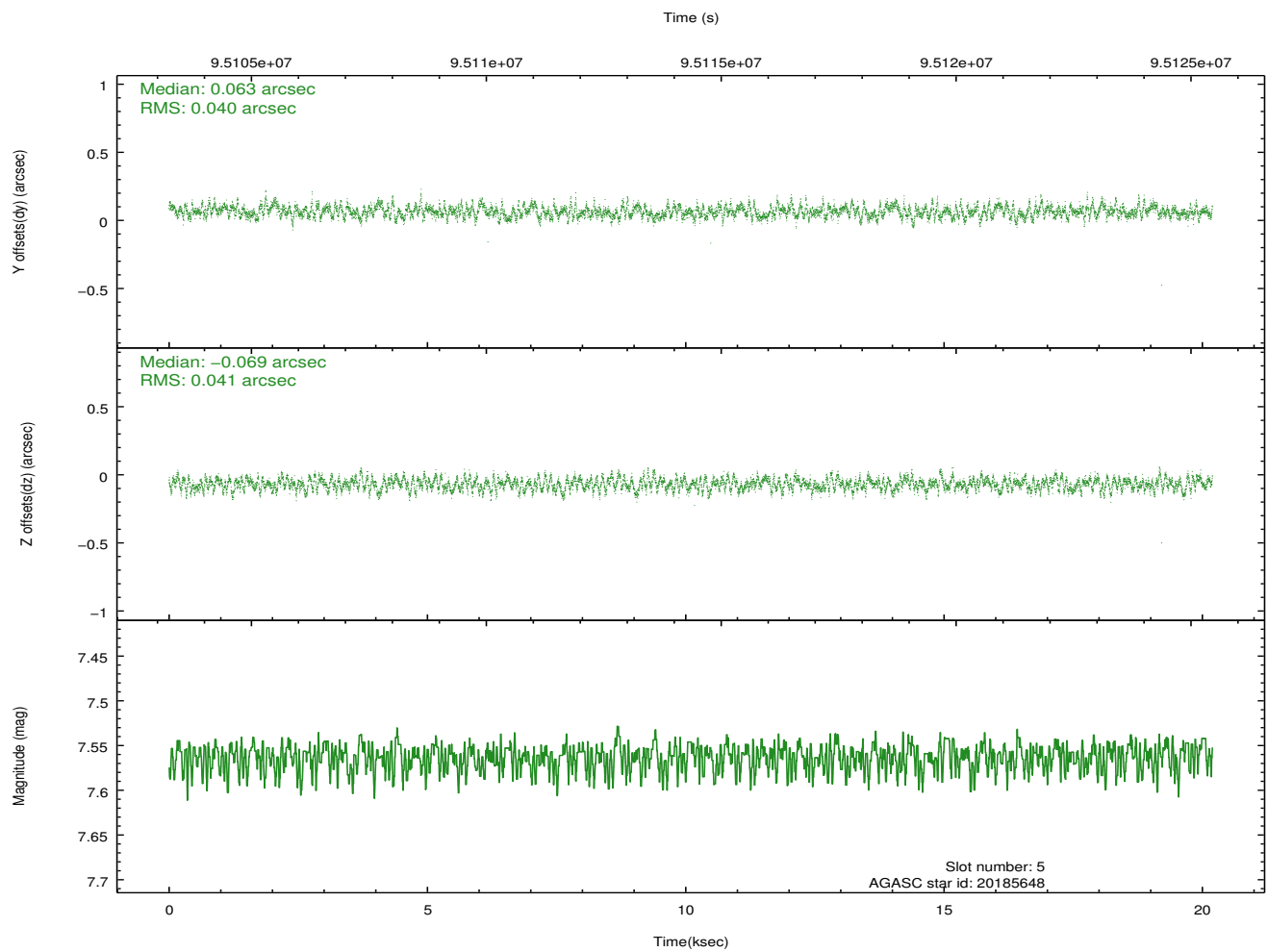
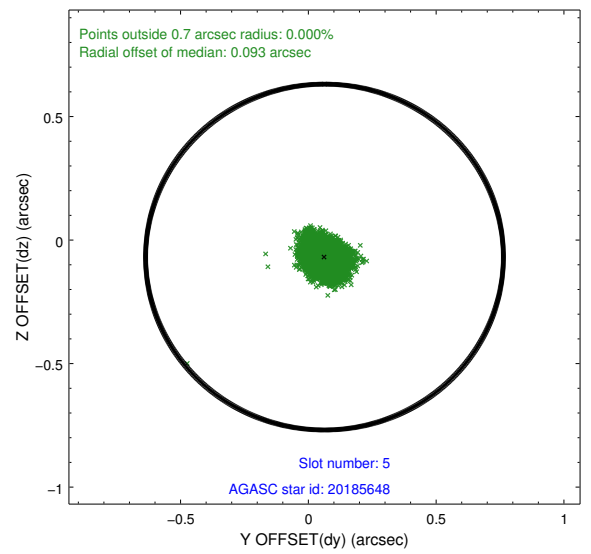
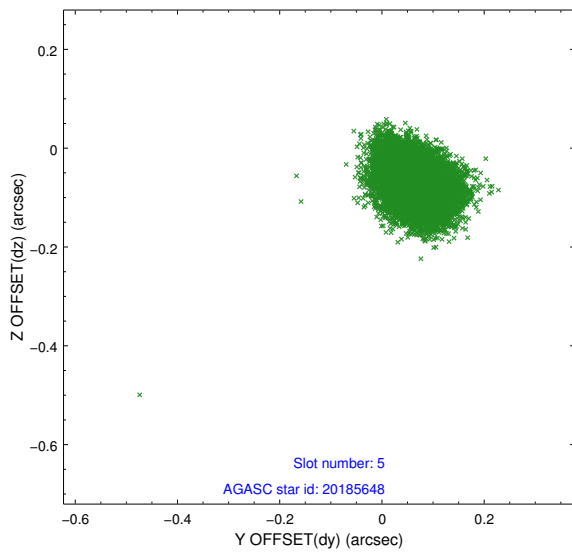
2.4.1 Slot 3



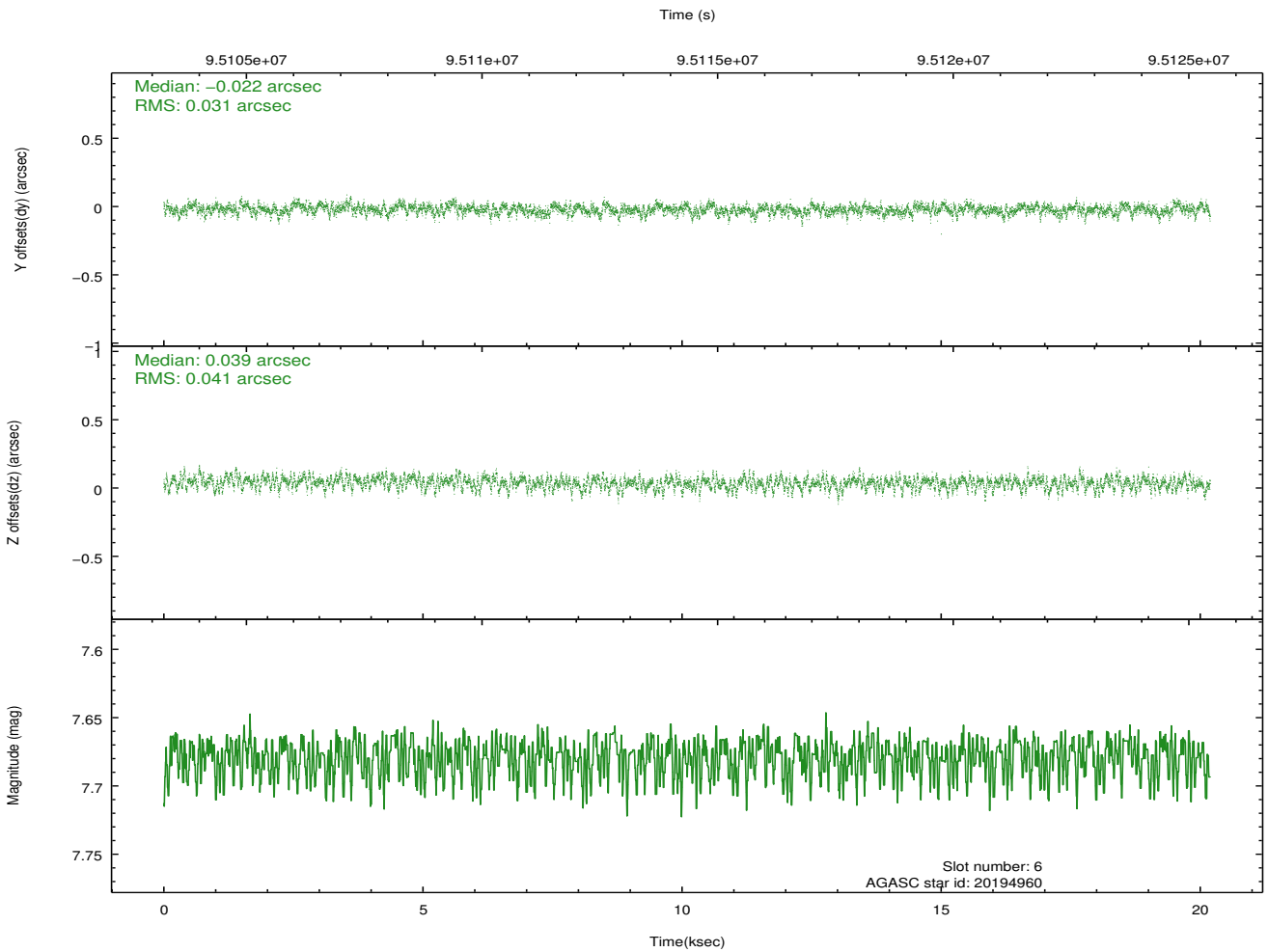
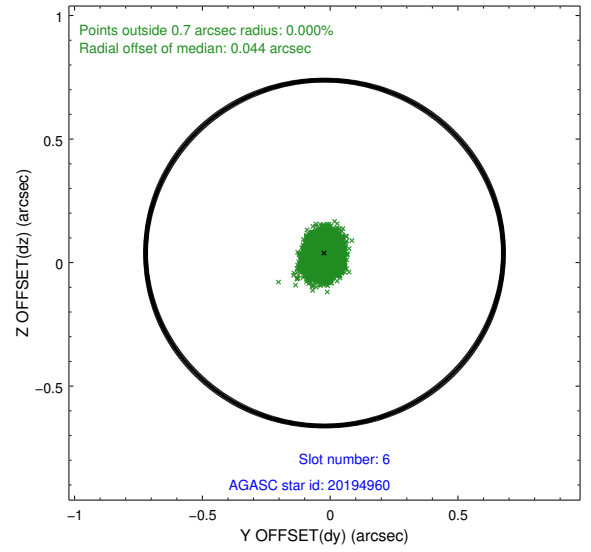
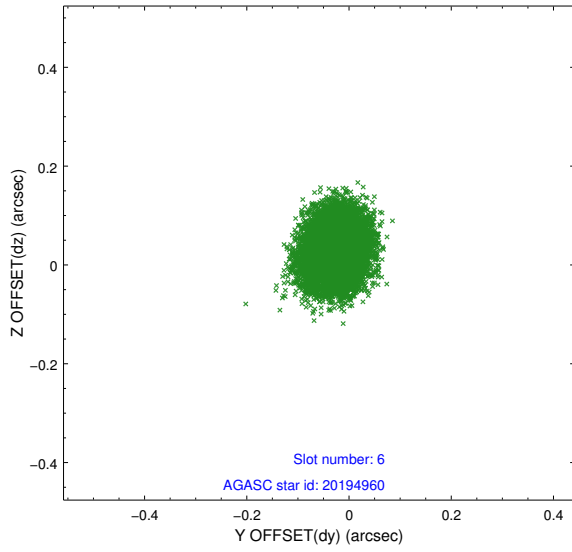
2.4.2 Slot 4



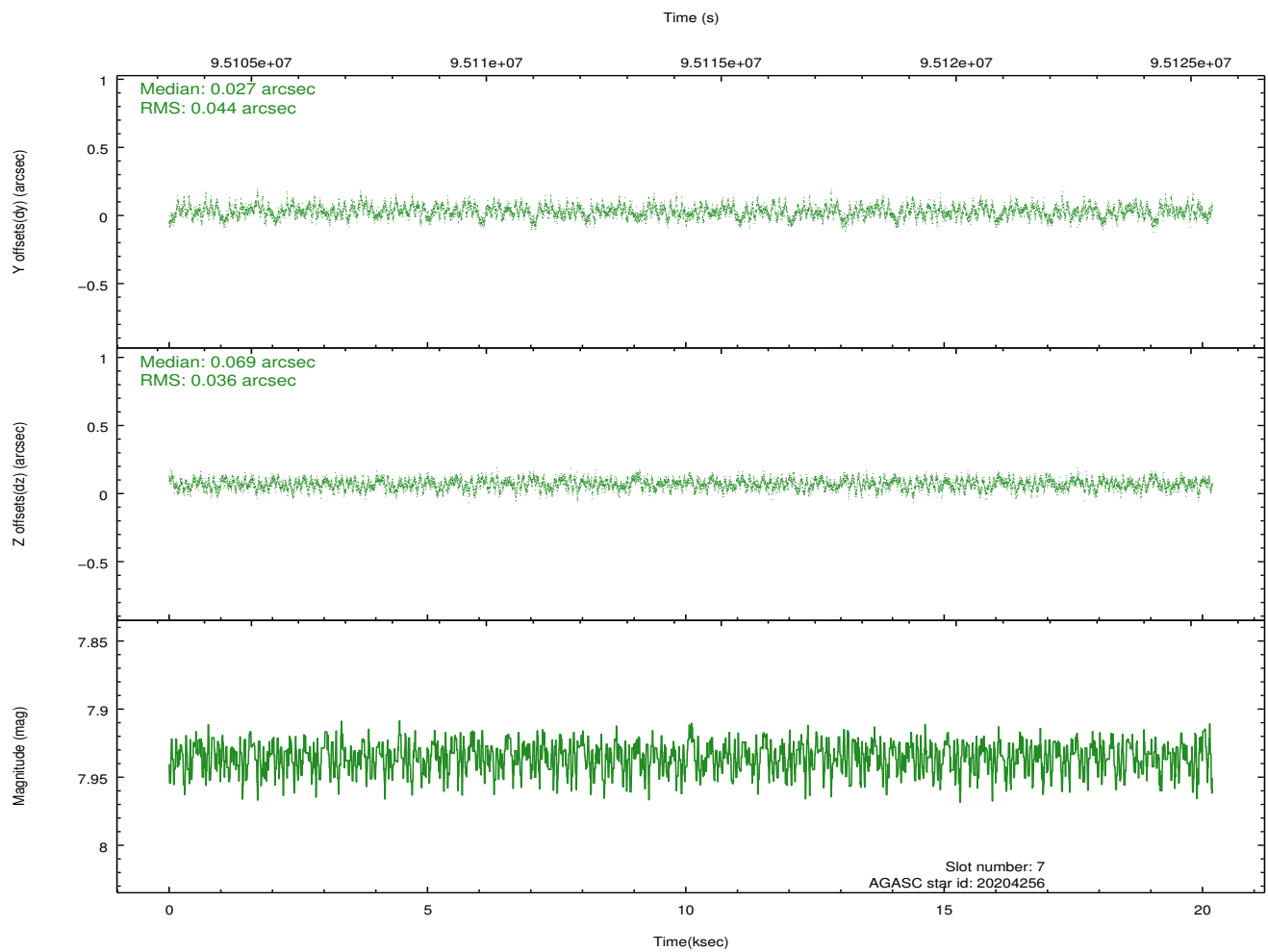
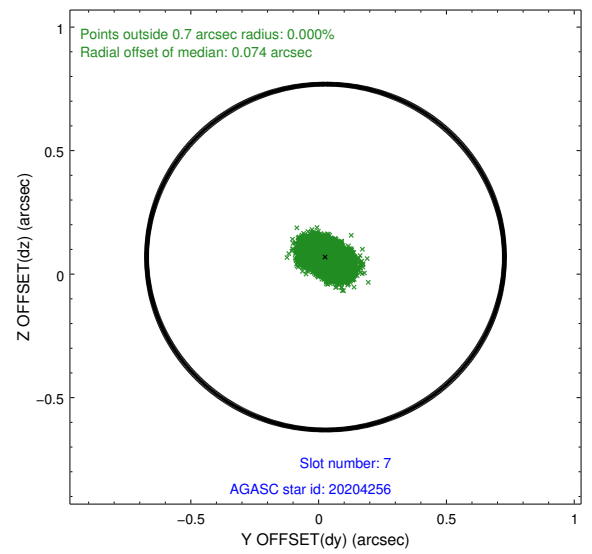
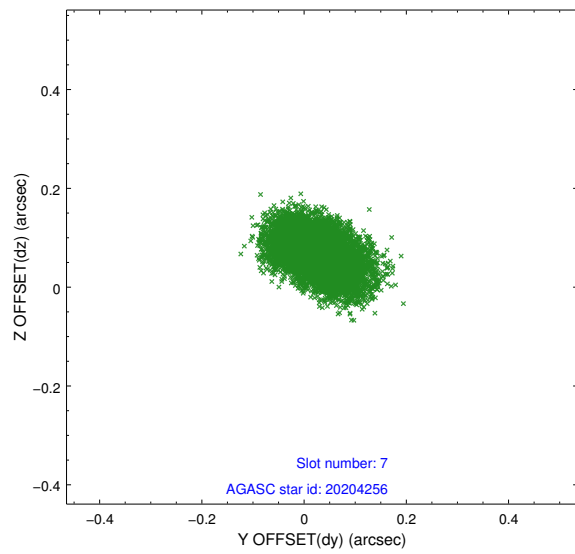
2.4.3 Slot 5



2.4.4 Slot 6

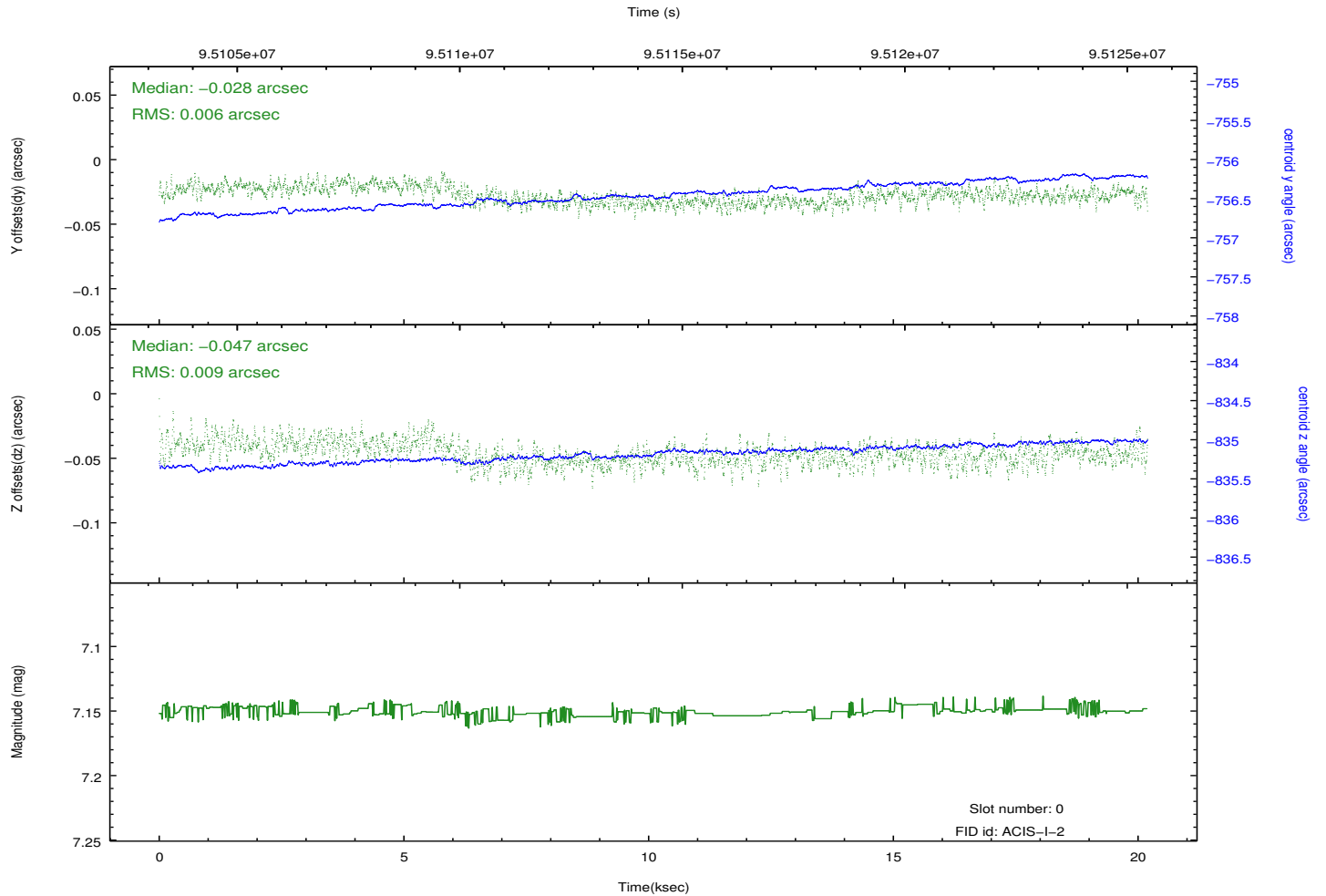
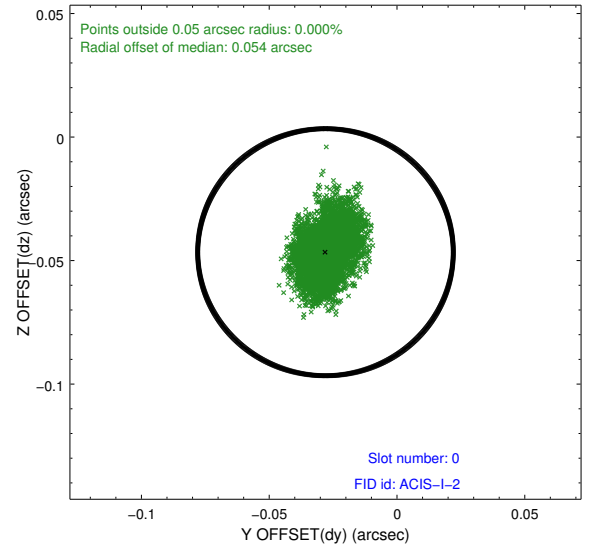
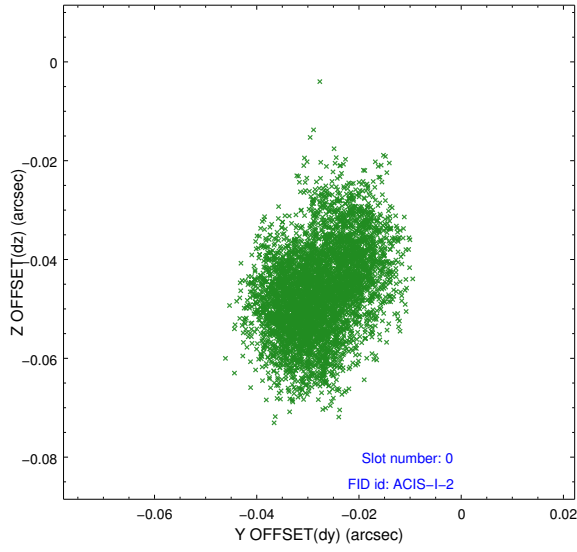


2.4.5 Slot 7

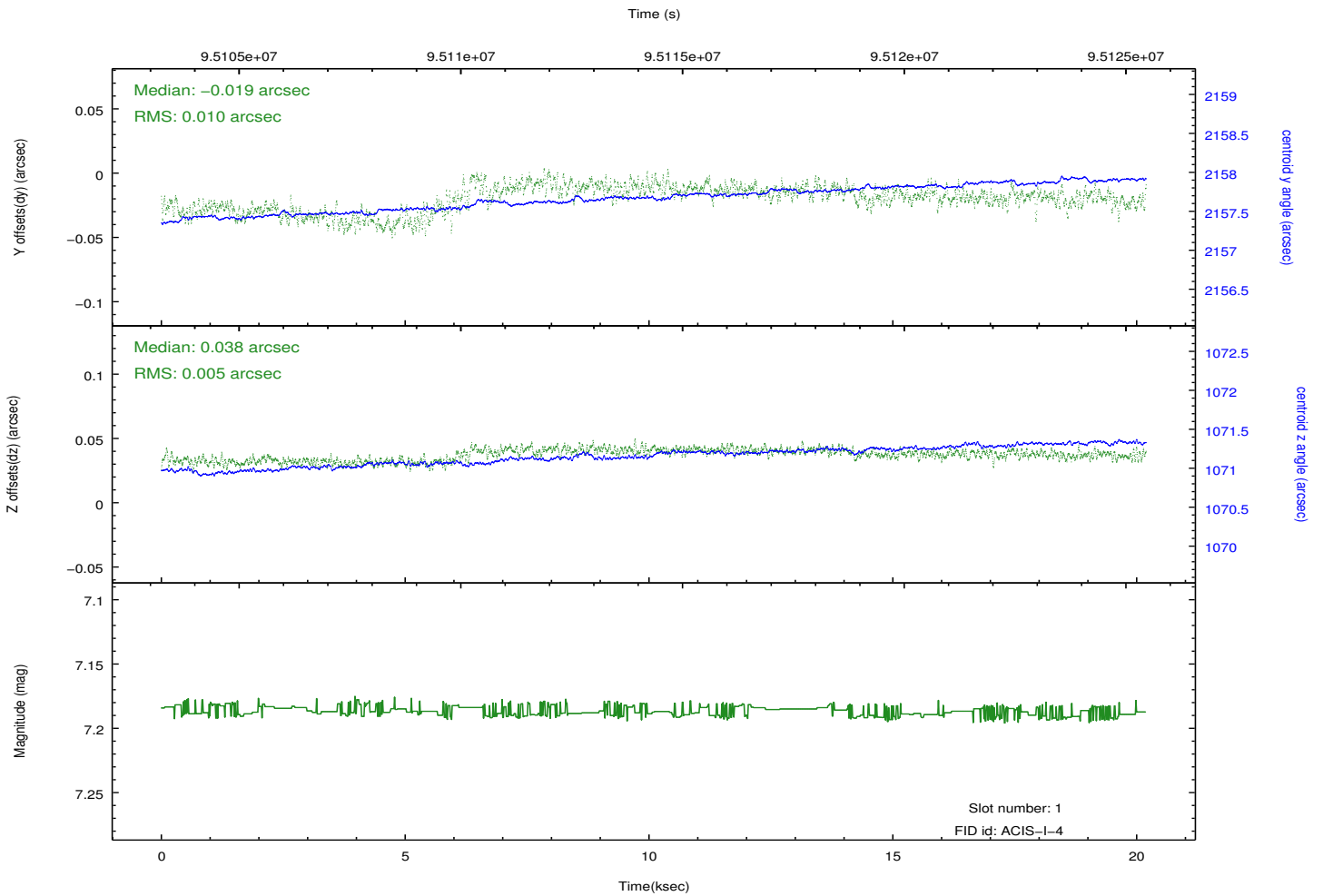
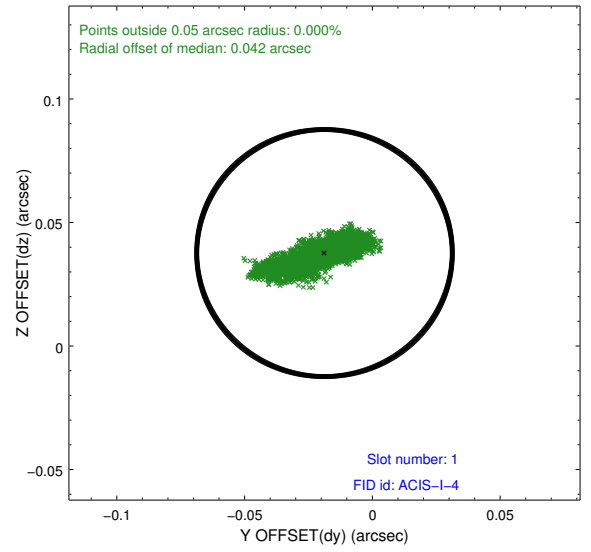
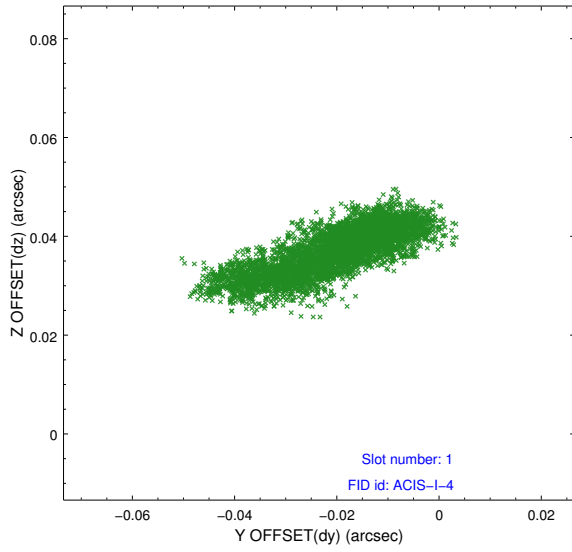


2.5 FID Slots

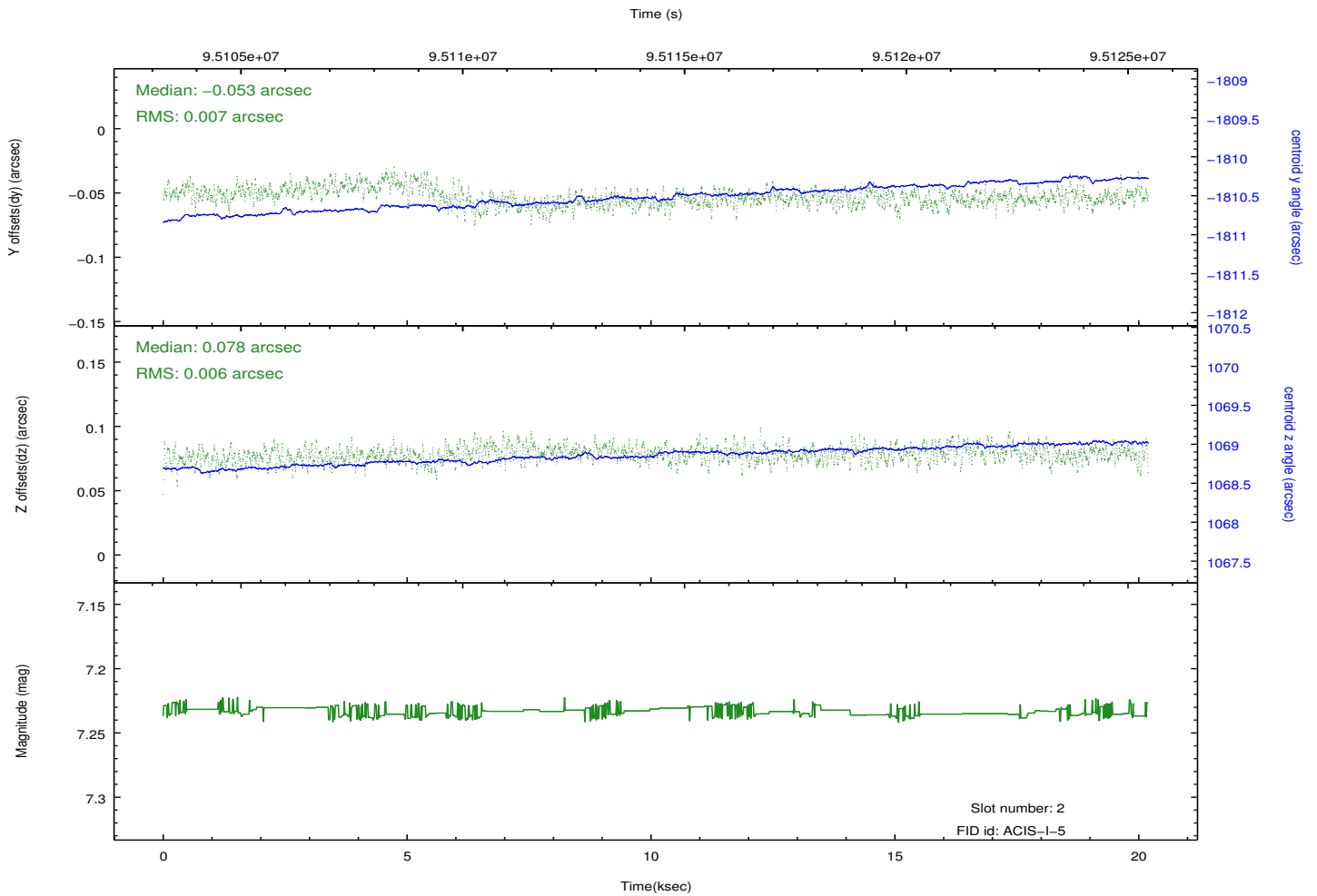
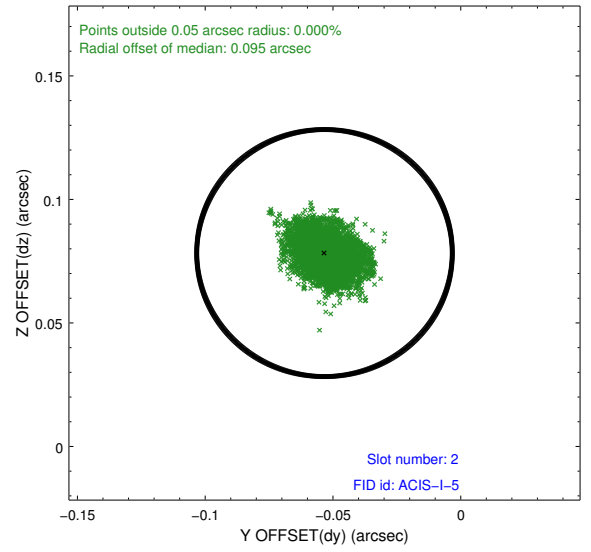
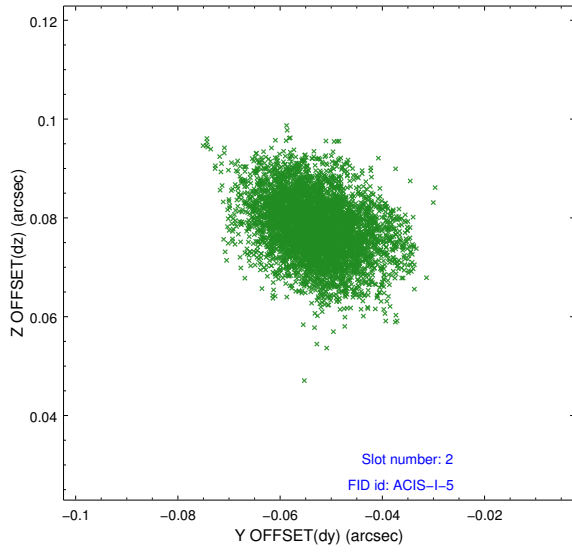
2.5.1 Slot 0



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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.756

A.2 Comments