

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16643 - L2 Version 1
Chandra X-Ray Center

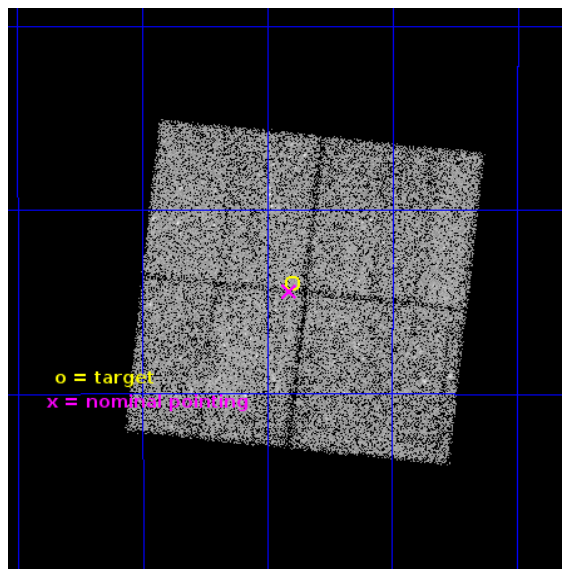
L2 Processing Date : Aug 4 2014

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1 Front

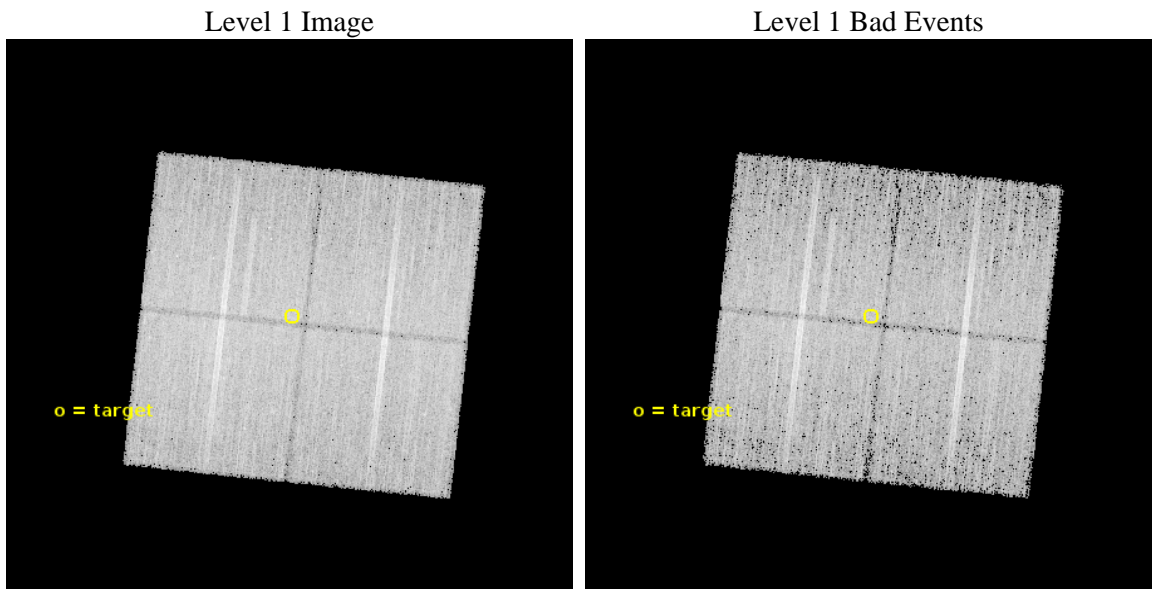
seq_num	901114	Sequence number
obs_id	16643	Observation id
title	The Sgr C complex: a cosmic ray dominated region?	Proposal title
observer	Dr Simona Soldi	Principal investigator
object	Sgr C	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.099167	Observer's specified target RA [deg]
dec_targ	-29.399694	Observer's specified target Dec [deg]
ra_nom	266.10293182789	Nominal RA [deg]
dec_nom	-29.40718641318	Nominal Dec [deg]
roll_nom	276.21053662629	Nominal Roll [deg]
revision	1	Processing version of data
ontime	36093.153158844	Sum of GTIs [s]
livetime	35621.56954143	Livetime [s]
ontime0	36093.030038834	Sum of GTIs [s]
ontime1	36093.071078837	Sum of GTIs [s]
ontime2	36093.11211884	Sum of GTIs [s]
ontime3	36093.153158844	Sum of GTIs [s]
l2events	105829	Number of level 2 events



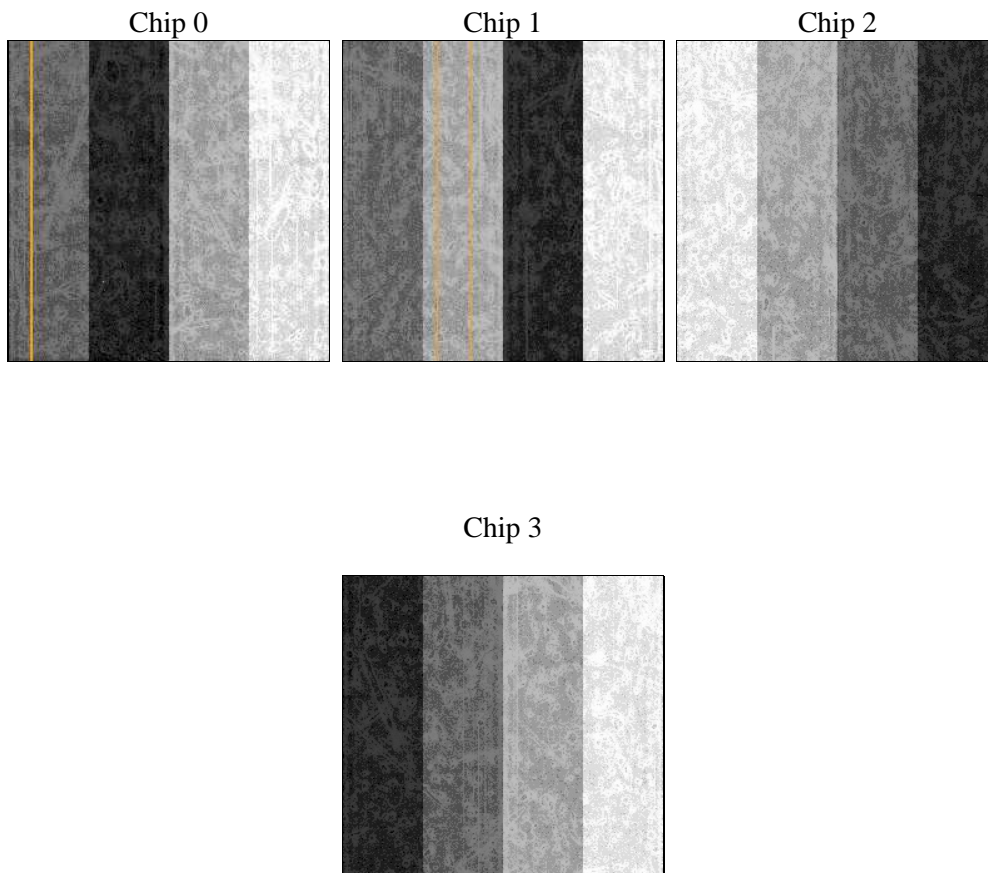
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	36093.153158844	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	36093.030038834	Sum of GTIs [s]
date	2014-08-04T18:36:41	Date and time of file creation	ontime1	36093.071078837	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	36093.11211884	Sum of GTIs [s]
			ontime3	36093.153158844	Sum of GTIs [s]
			l1events	718402	Number of level 1 events

2.1.4 Events

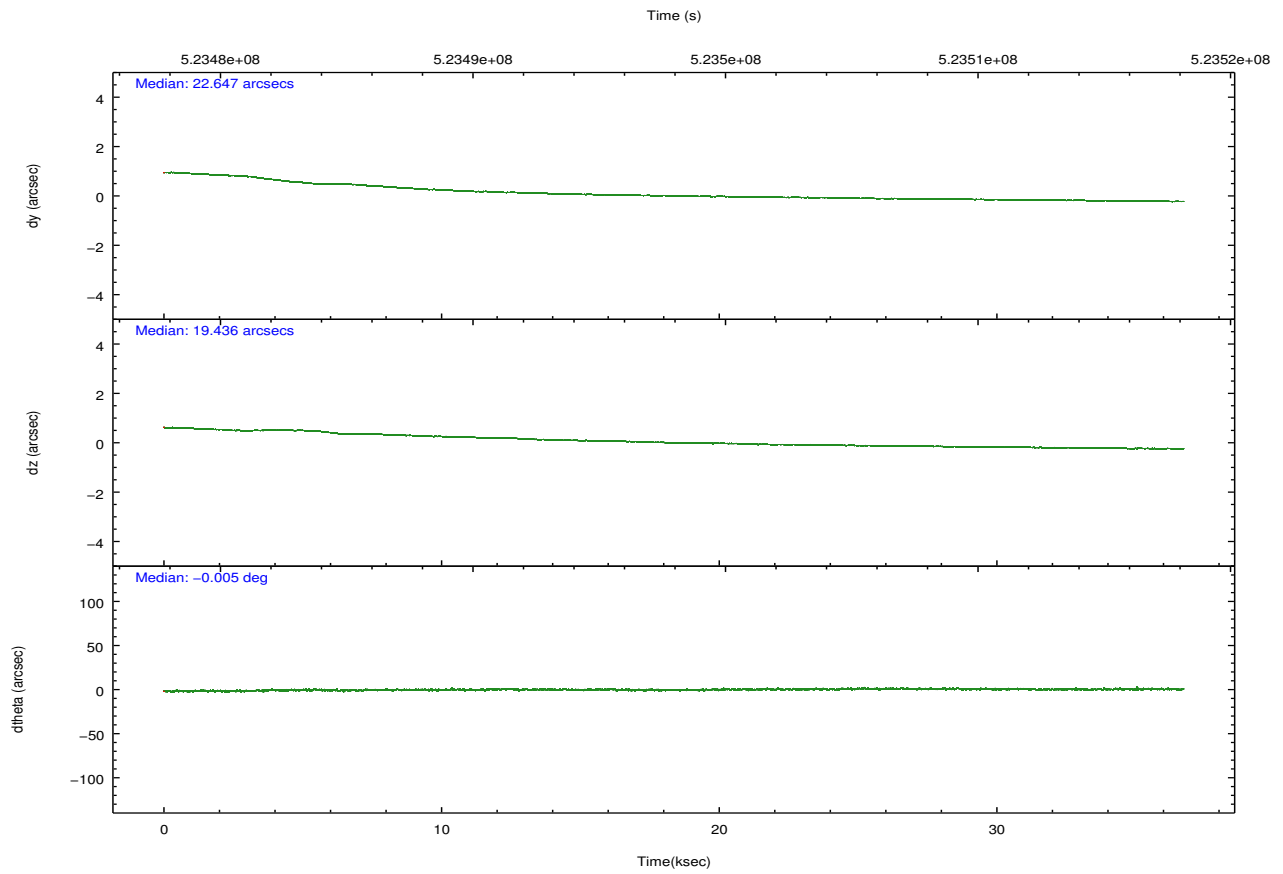
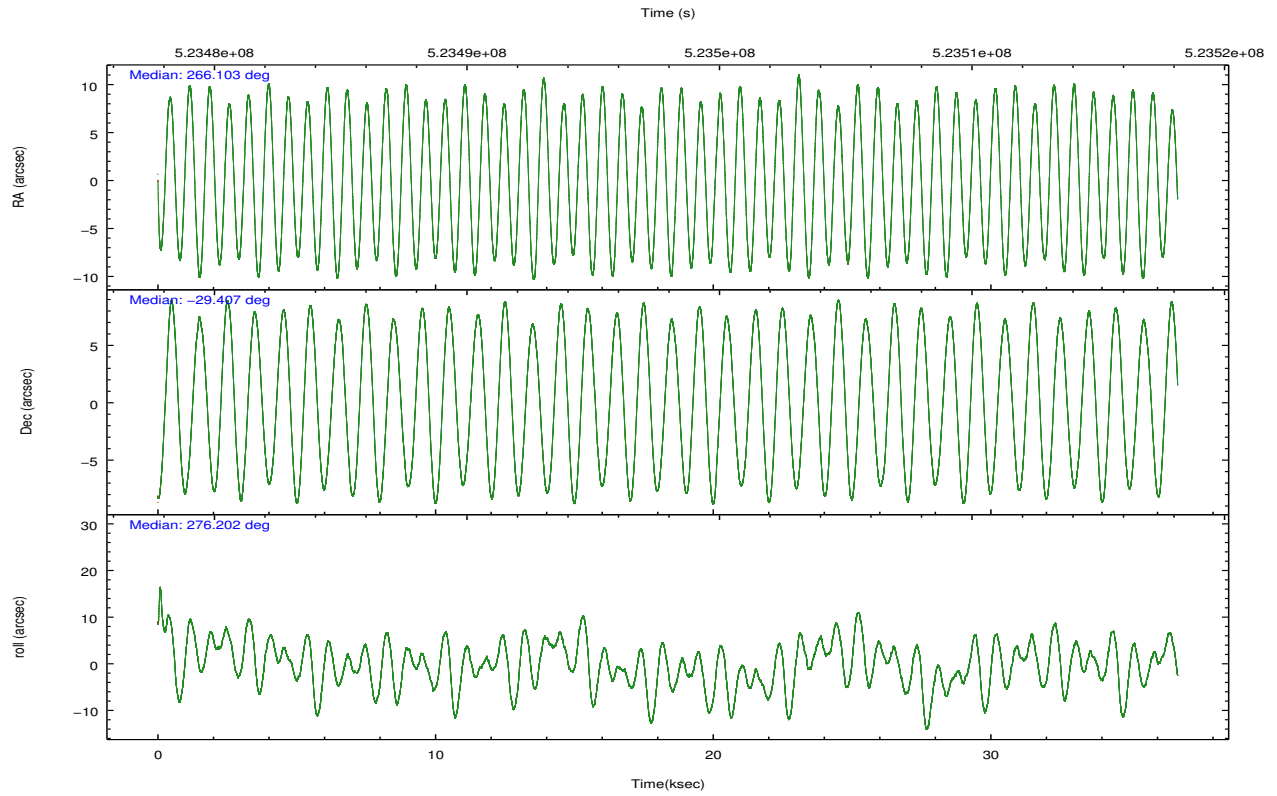
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	172657	175935	188972	180838
rejected events	143354	144839	156937	151143
rejected %	83%	82%	83%	83%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	12437	13176	15111	13256
	7%	7%	7%	7%
grade 1 events	104	122	161	128
	0%	0%	0%	0%
grade 2 events	6556	6697	6624	6093
	3%	3%	3%	3%
grade 3 events	2613	2713	2657	2587
	1%	1%	1%	1%
grade 4 events	2512	2631	2646	2684
	1%	1%	1%	1%
grade 5 events	8699	9045	8362	9579
	5%	5%	4%	5%
grade 6 events	5187	5881	4998	5077
	3%	3%	2%	2%
grade 7 events	134549	135670	148413	141434
	77%	77%	78%	78%

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	266.084120	266.1029318278888	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.384980	-29.40718641318026	Alternating exposures requested	N	N
[deg] Pointing Roll	275.992618	276.2105366262904	[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)	523480310.184000	523479131.09293			
Observation start date	2014-08-03T19:10:43	2014-08-03T18:52:11			
[s] Observation end time (MET)	523516310.184000	523516657.37001			
Observation end date	2014-08-04T05:10:43	2014-08-04T05:17:37			
Read mode	TIMED	TIMED			

2.3 Aspect



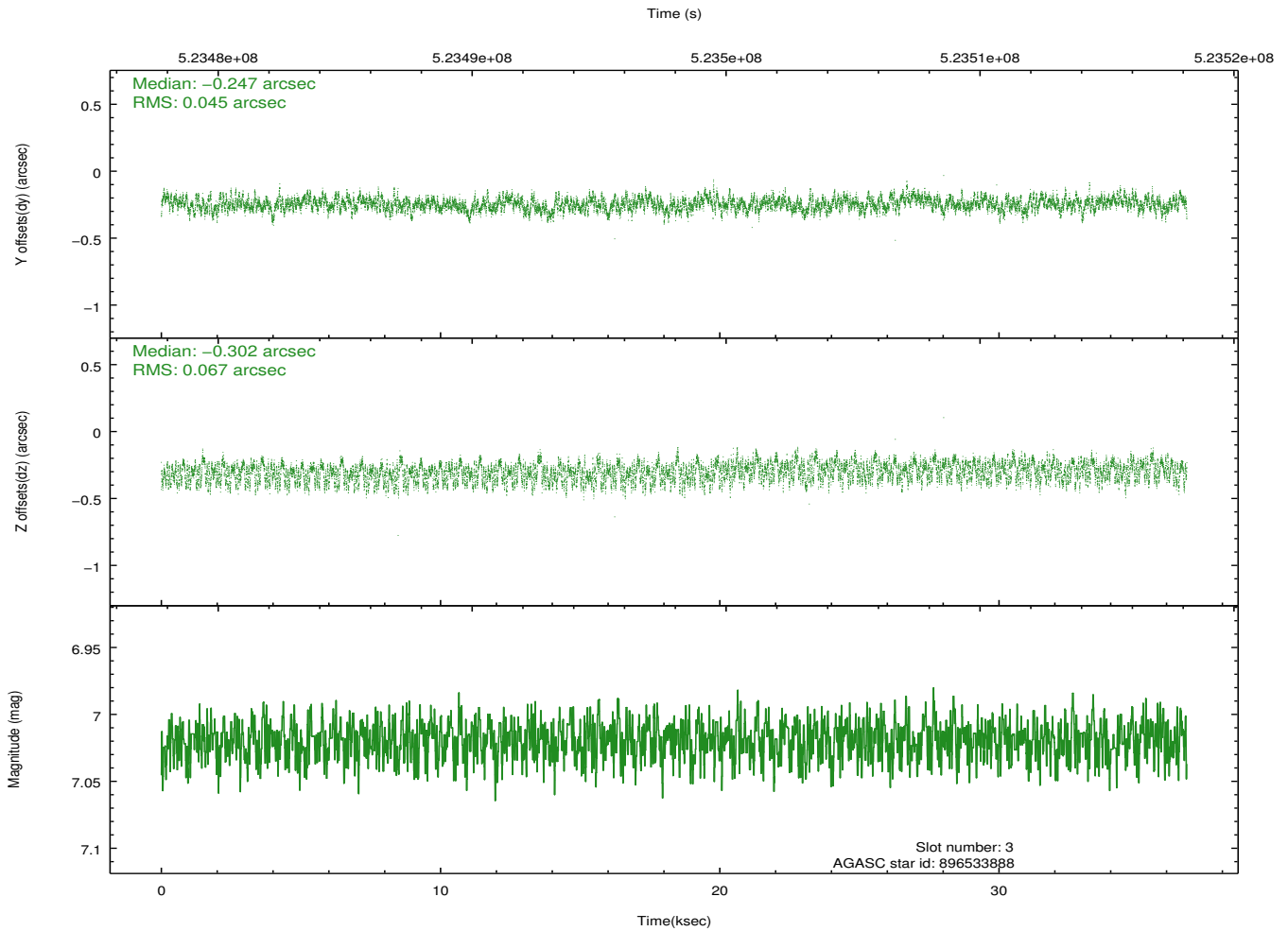
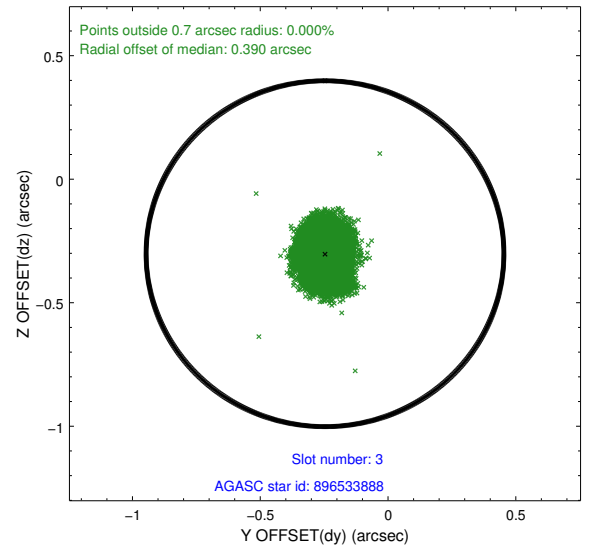
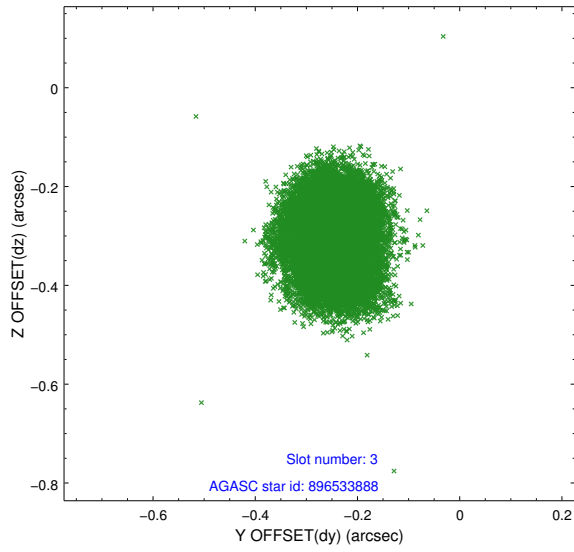
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.11	8959	-0.055	0.002	0.011	0.025	0.000000	0.000000	916.46	-843.19
1	FID	ACIS-I-4	7.05	8959	0.305	0.049	0.009	0.015	0.000000	0.000000	2136.79	1056.71
2	FID	ACIS-I-5	7.09	8958	-0.349	0.020	0.009	0.017	0.000000	0.000000	-1831.88	1054.39
3	GUIDE	896533888	7.02	17917	-0.247	-0.302	0.088	0.135	266.666434	-29.392757	222.88	1813.05
4	GUIDE	896540808	7.50	17917	-0.077	0.134	0.067	0.105	265.985401	-29.308604	-305.38	-279.09
5	GUIDE	896404784	9.31	17909	-0.026	0.224	0.154	0.238	265.491289	-29.092670	-1235.55	-1745.54
6	GUIDE	896532952	8.99	17907	-0.095	0.247	0.092	0.151	266.383644	-28.787617	-2038.76	1164.49
7	GUIDE	966791536	9.30	17900	0.447	-0.307	0.202	0.320	265.423122	-30.013043	2040.46	-2285.73

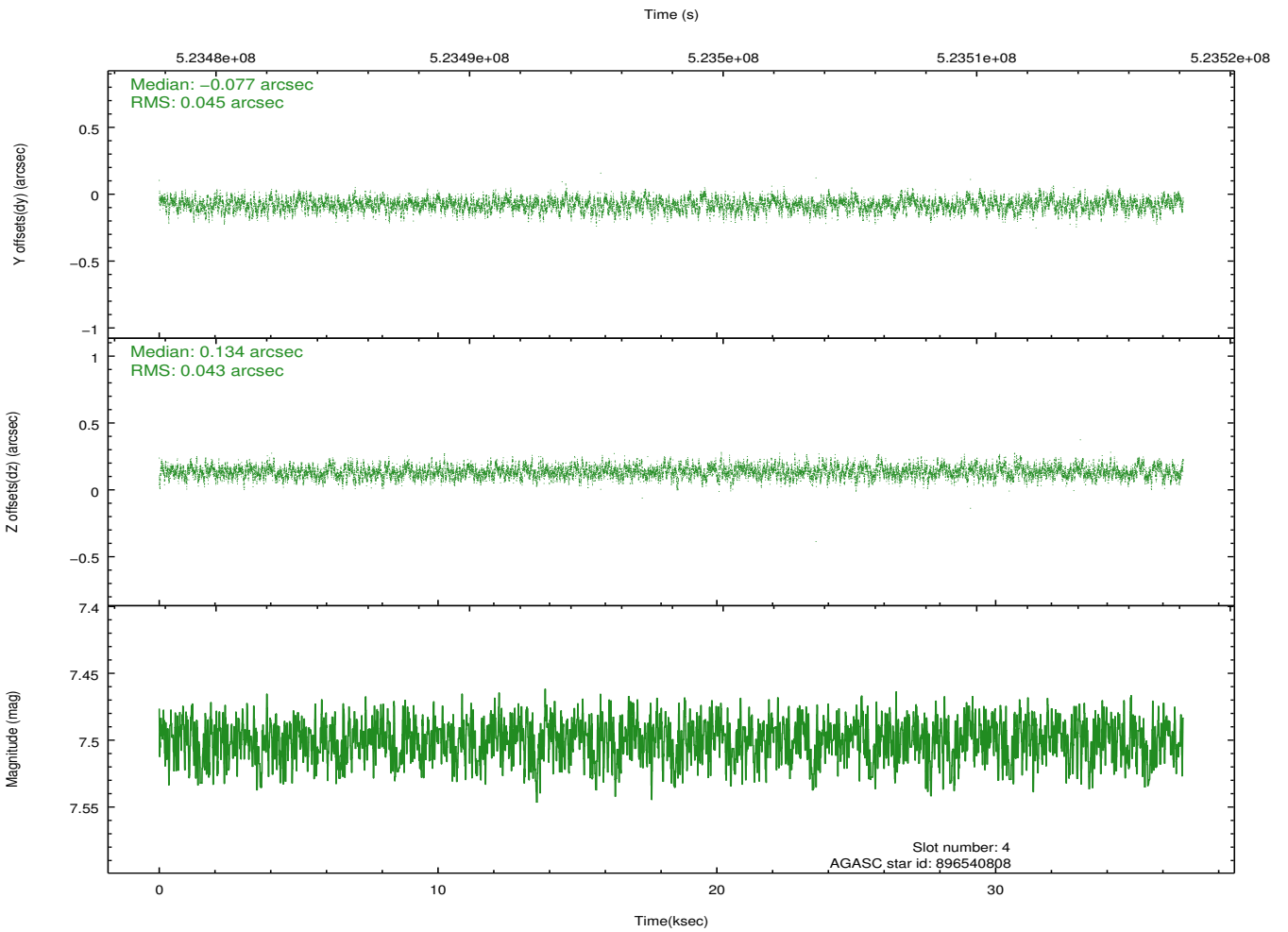
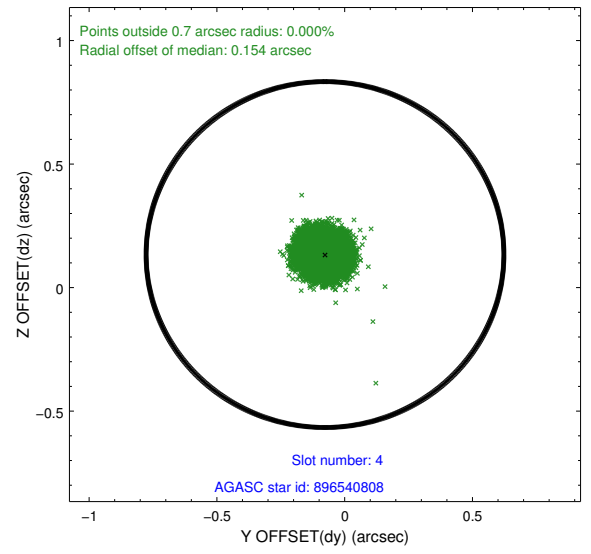
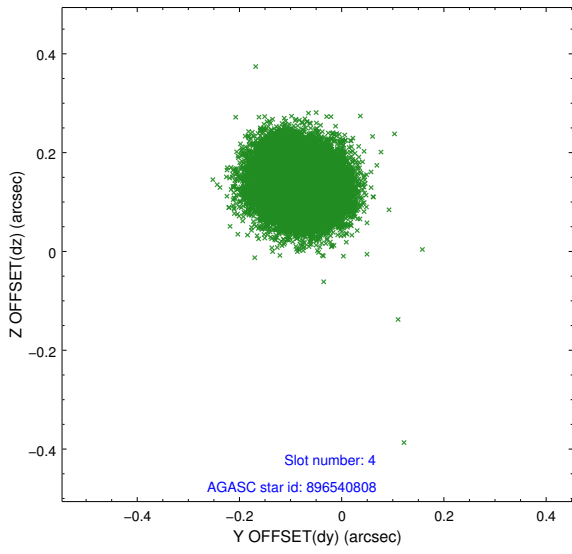
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2.4 Star Slots

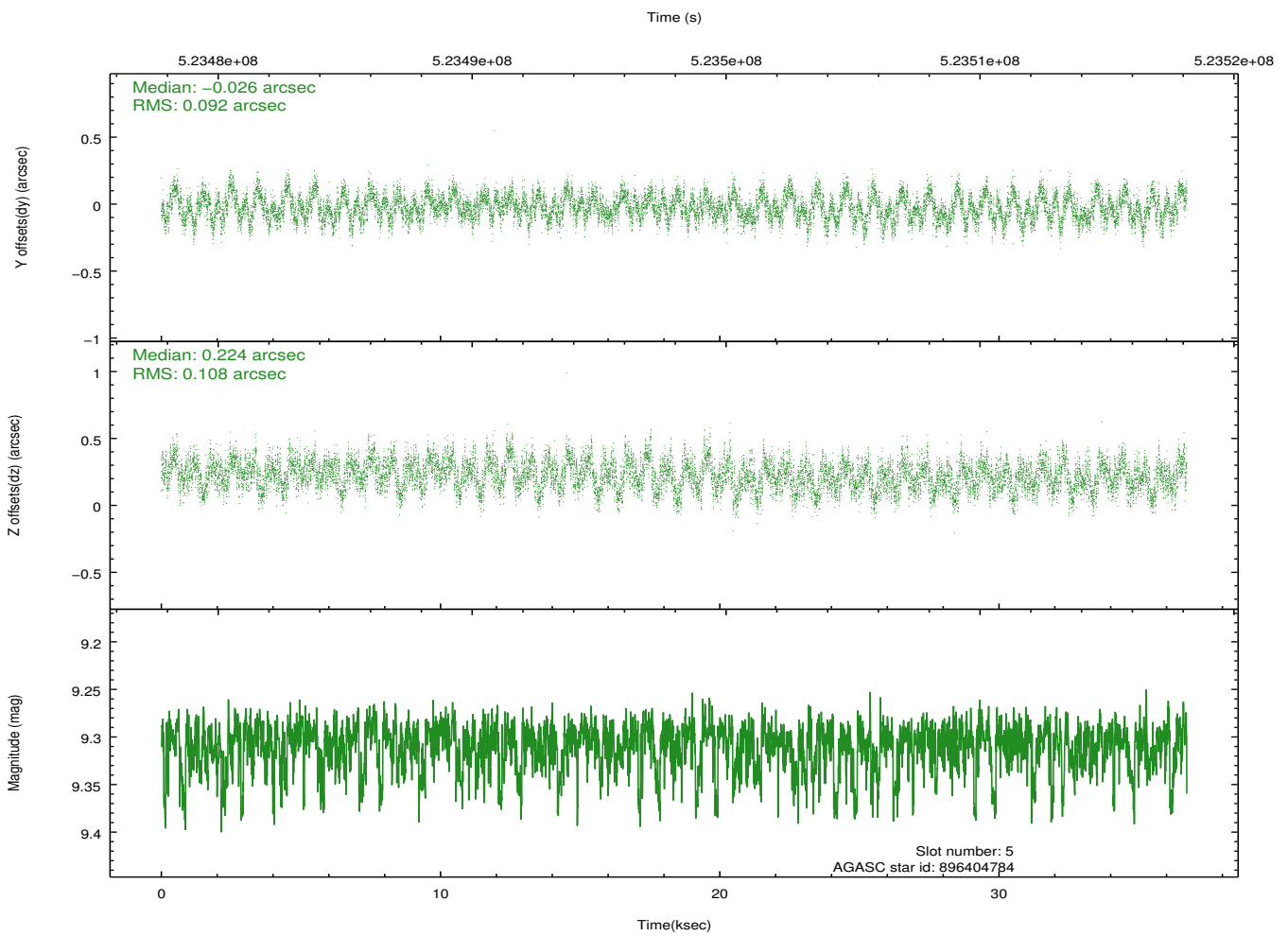
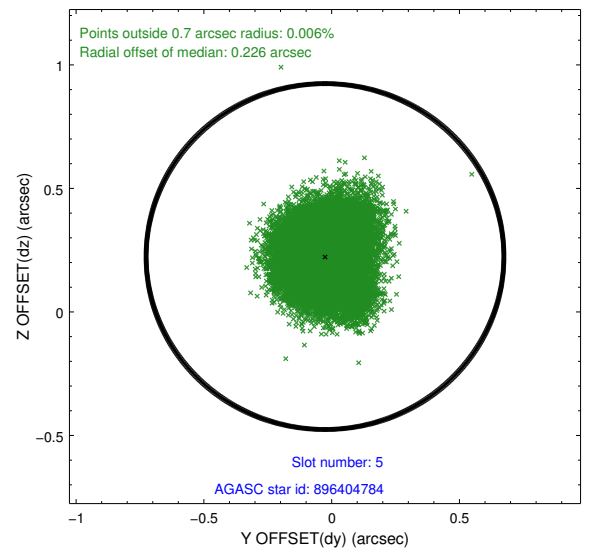
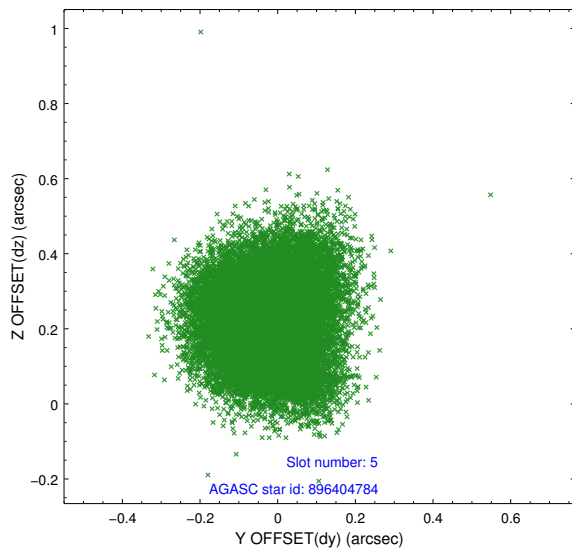
2.4.1 Slot 3



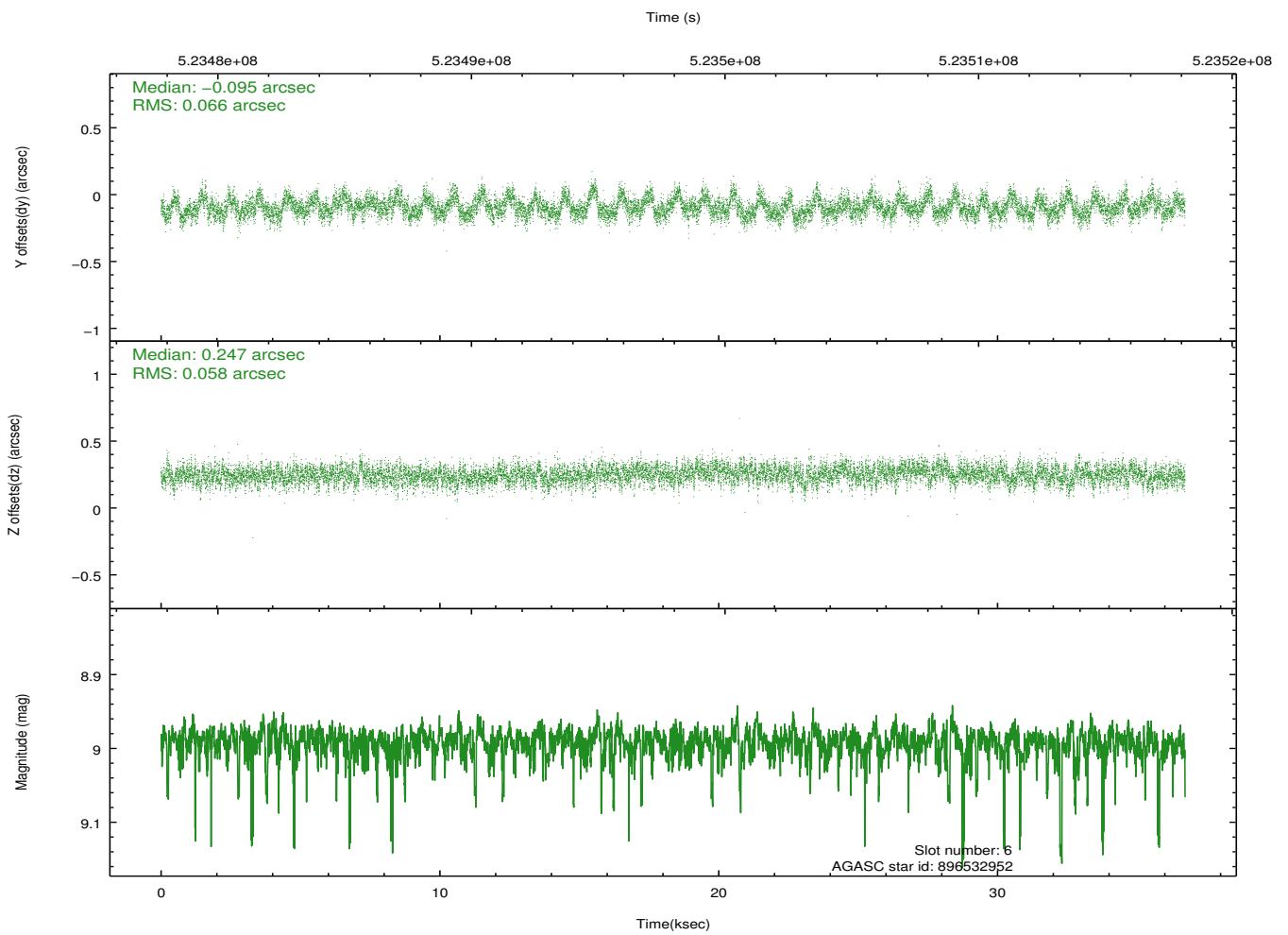
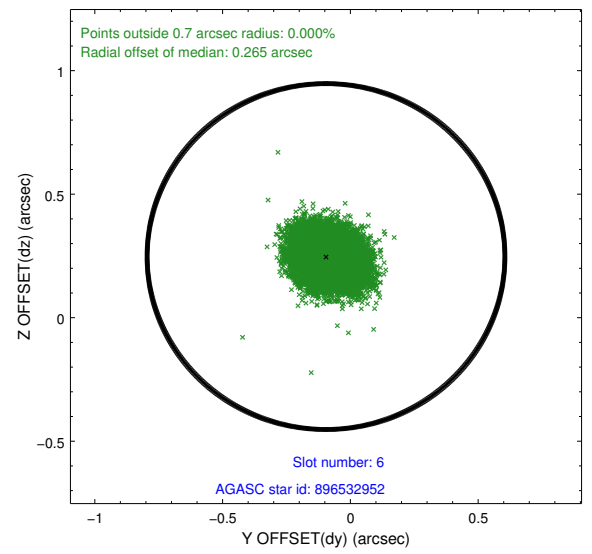
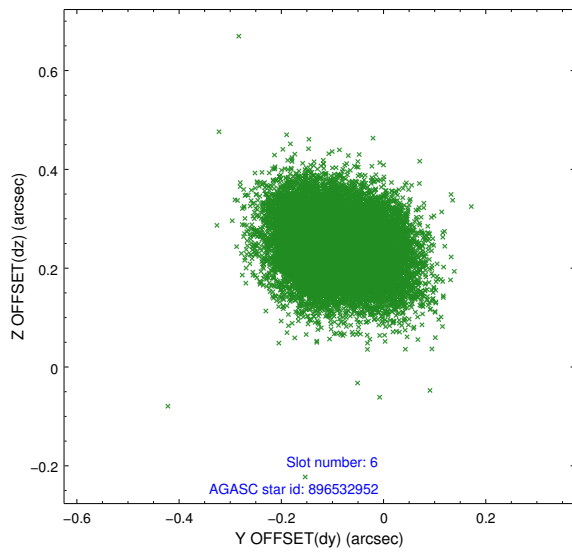
2.4.2 Slot 4



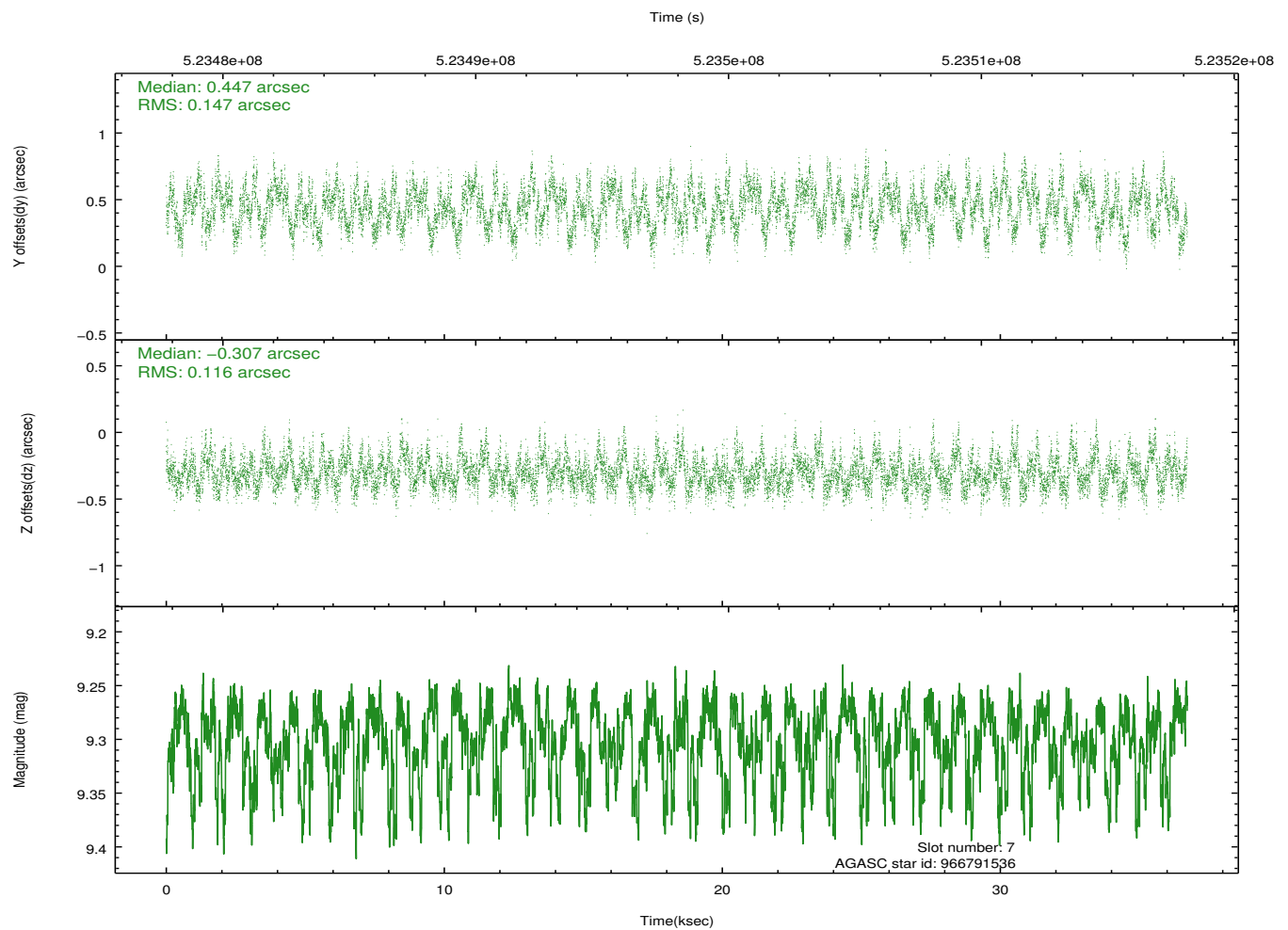
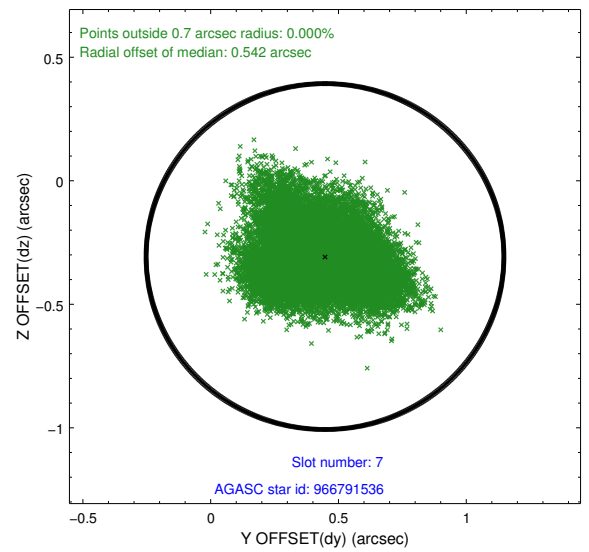
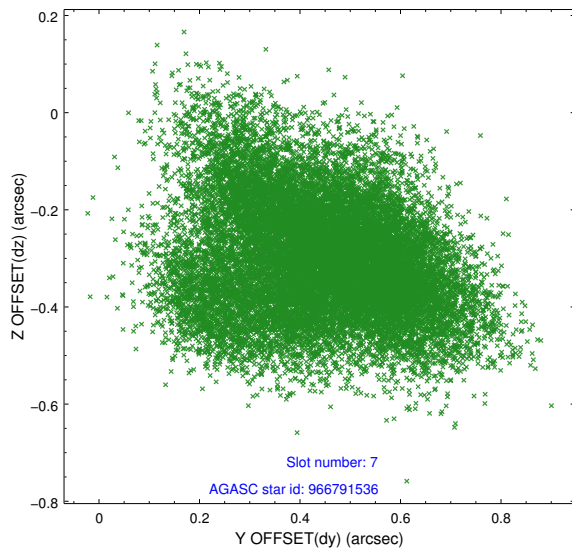
2.4.3 Slot 5



2.4.4 Slot 6

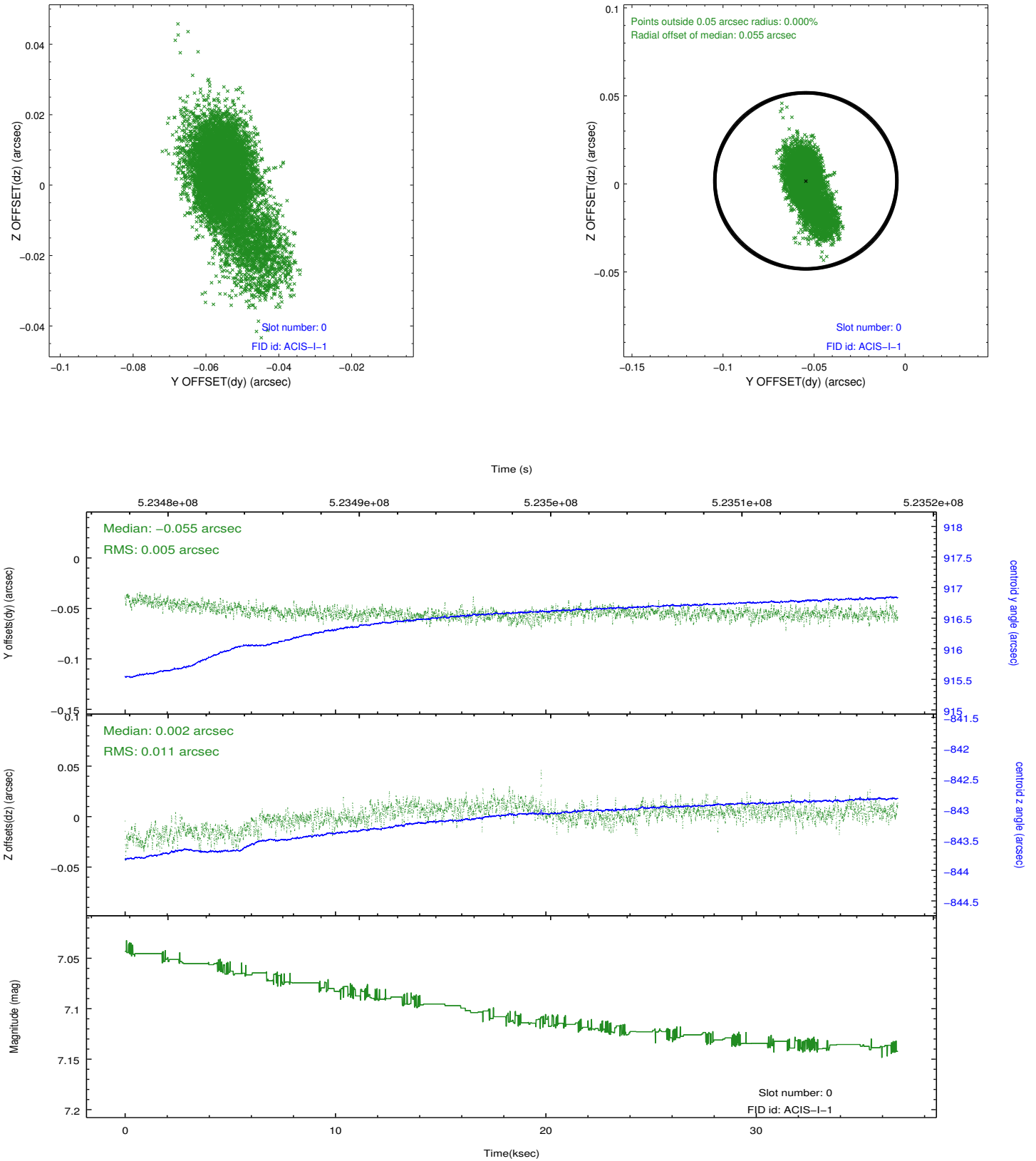


2.4.5 Slot 7

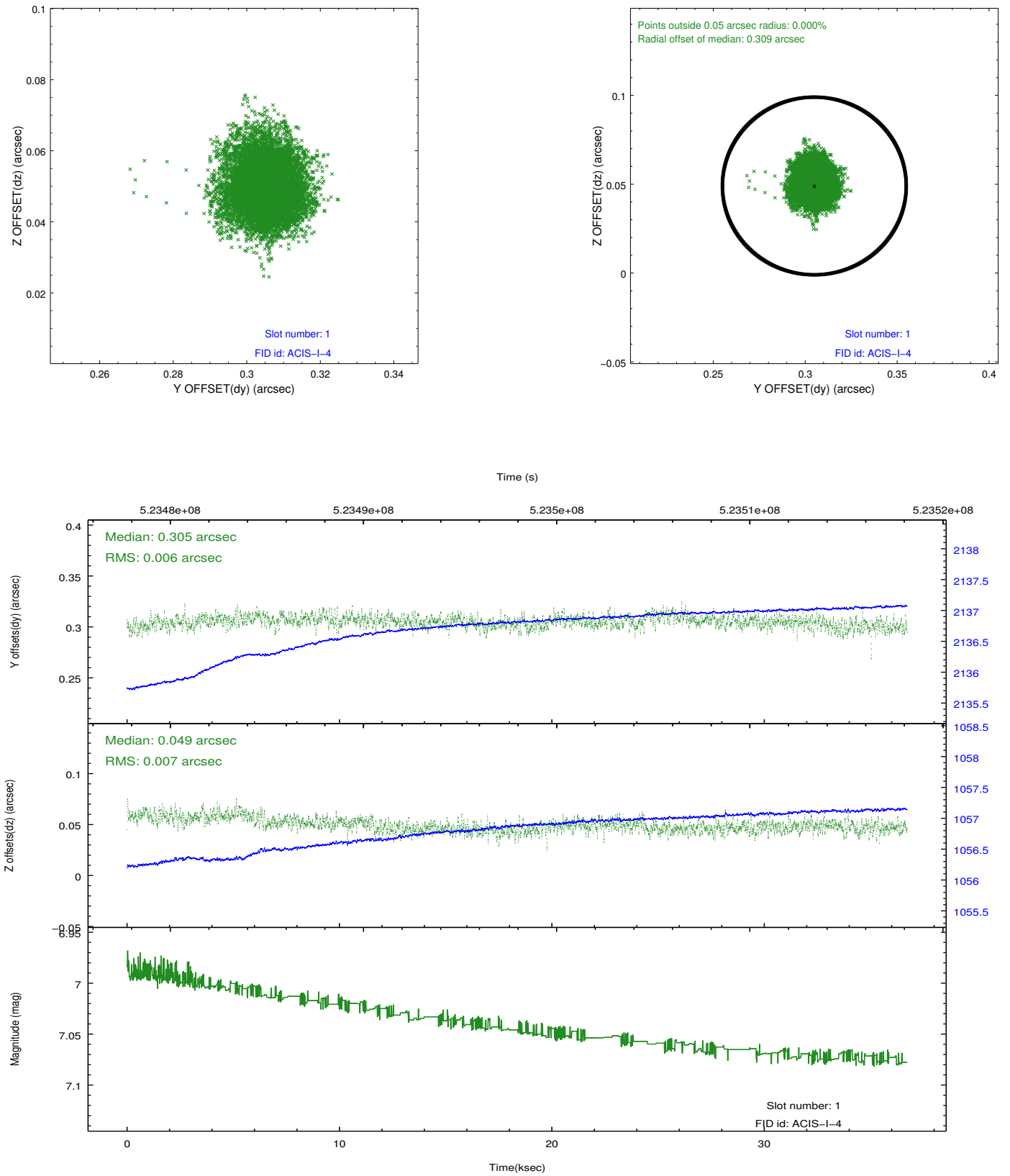


2.5 FID Slots

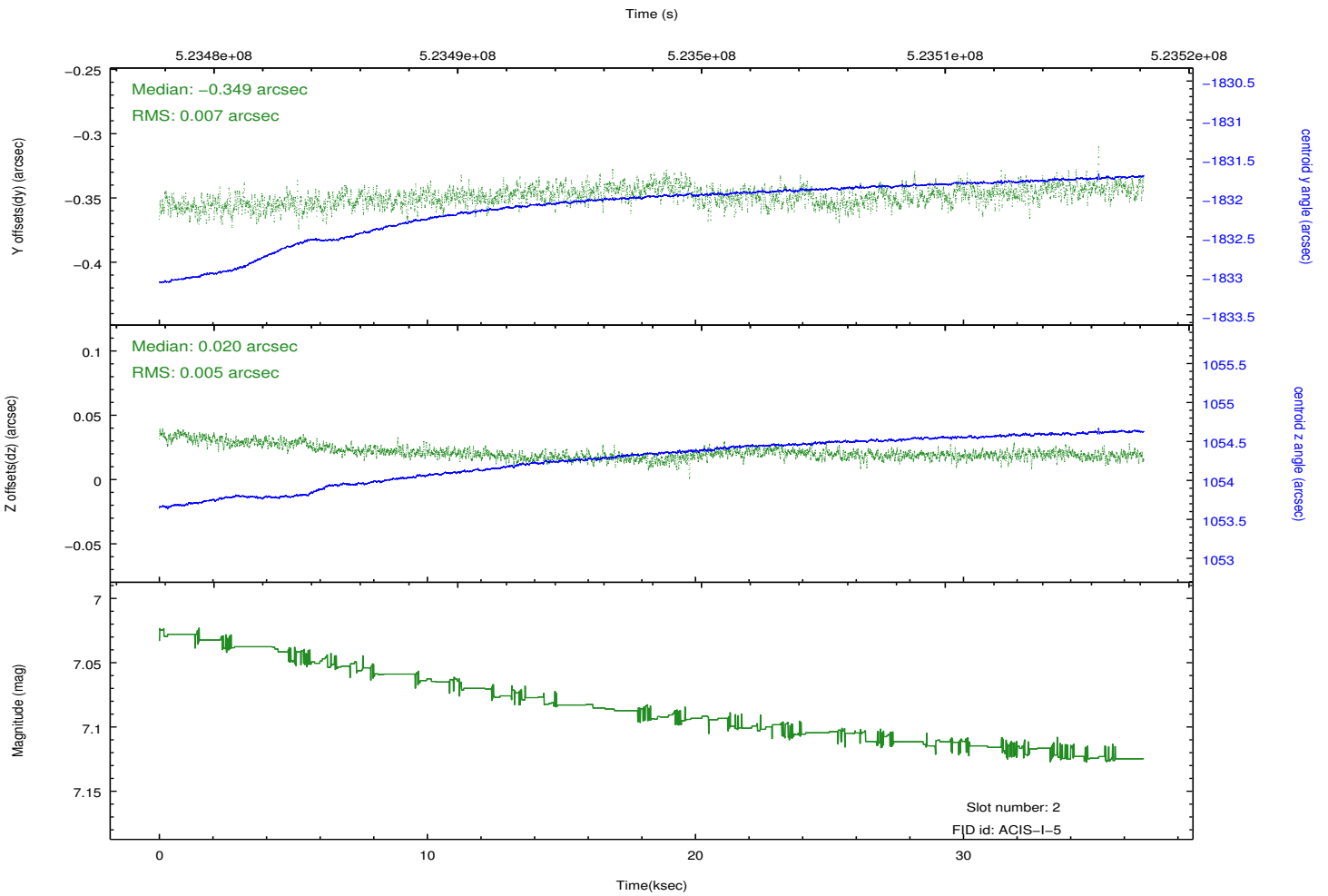
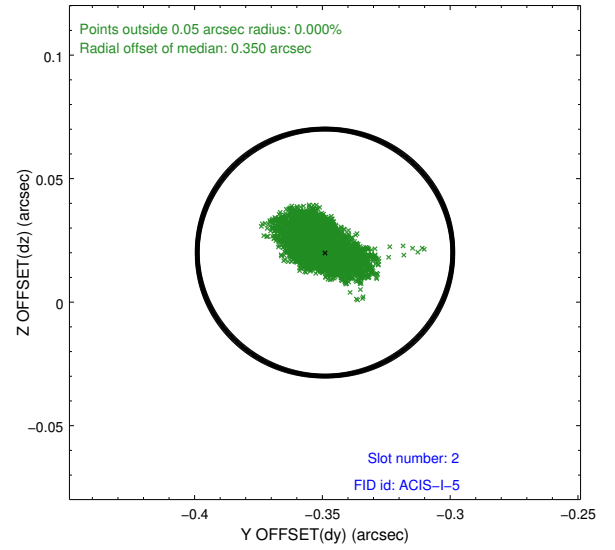
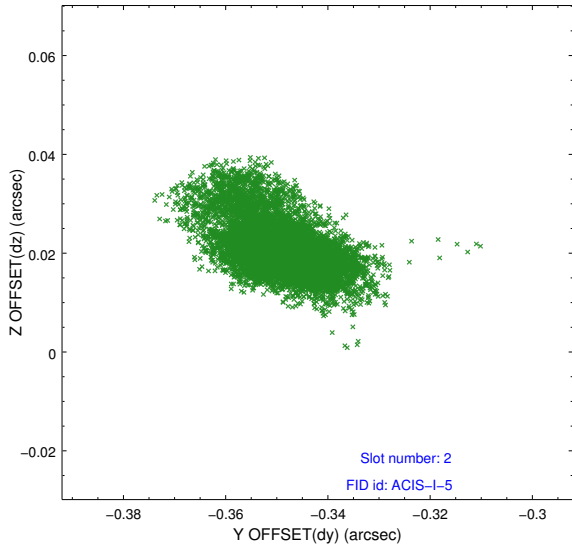
2.5.1 Slot 0



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)	2014.08.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.093153158844

A.2 Comments