

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 20007 - L2 Version 1
Chandra X-Ray Center

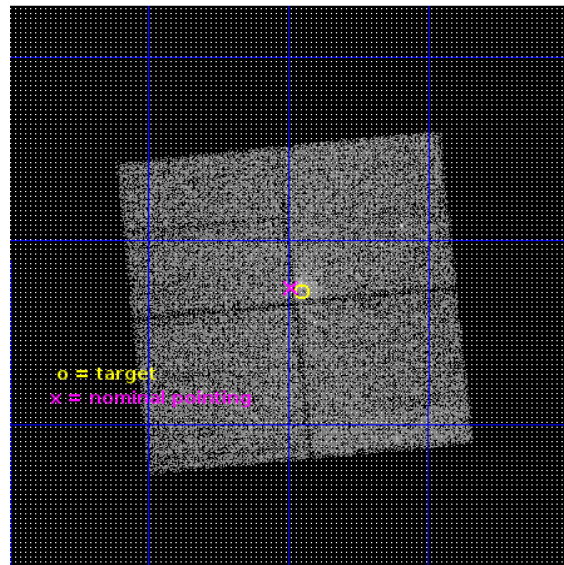
L2 Processing Date : Feb 10 2017

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1 Front

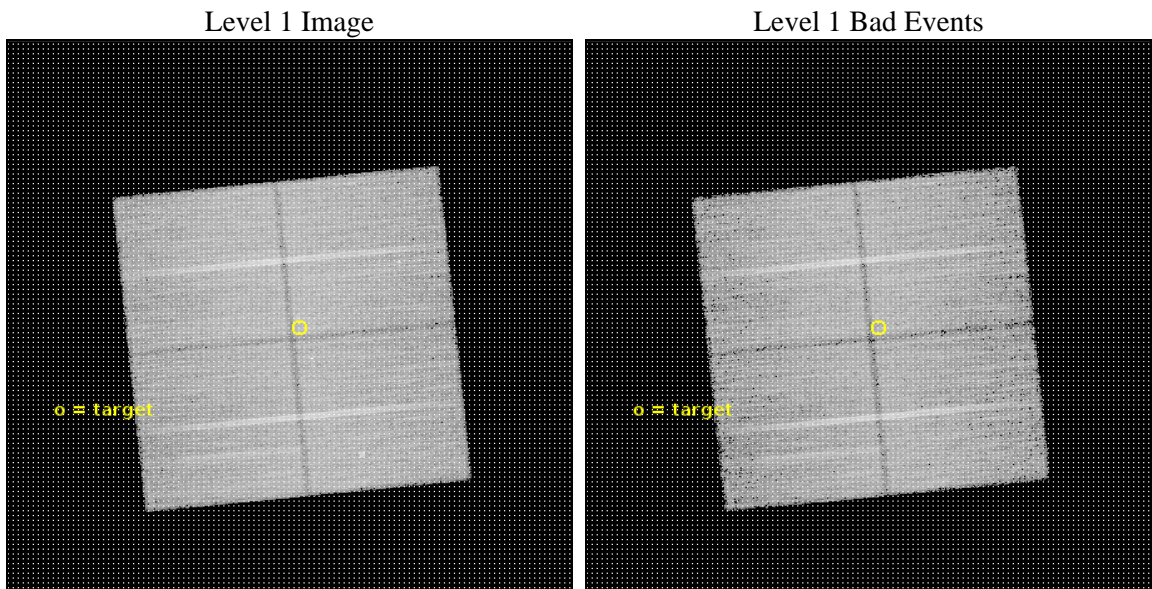
seq_num	801663	Sequence number
obs_id	20007	Observation id
title	THE SPECTACULAR CASE OF A RAM-PRESSURE STRIPPED GALAXY GROUP IN THE OUTSKIRTS OF HYDRA A/A780	Proposal title
observer	Sabrina De Grandi	Principal investigator
object	LEDA 87445	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.6125	Observer's specified target RA [deg]
dec_targ	-12.379722	Observer's specified target Dec [deg]
ra_nom	139.62206451975	Nominal RA [deg]
dec_nom	-12.376174064825	Nominal Dec [deg]
roll_nom	354.2107442379	Nominal Roll [deg]
revision	1	Processing version of data
ontime	32081.058818102	Sum of GTIs [s]
livetime	31661.896166911	Livetime [s]
ontime0	32077.794648051	Sum of GTIs [s]
ontime1	32074.694657683	Sum of GTIs [s]
ontime2	32077.876737952	Sum of GTIs [s]
ontime3	32081.058818102	Sum of GTIs [s]
l2events	87803	Number of level 2 events



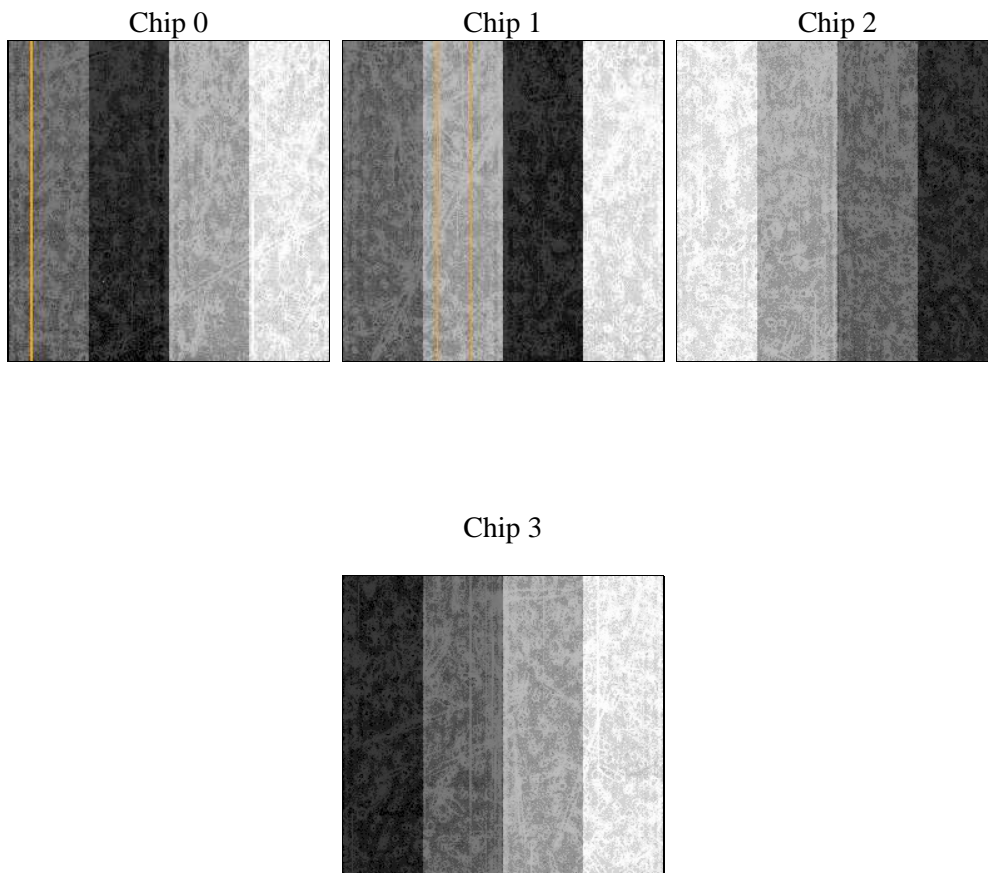
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	32081.058818102	Sum of GTIs [s]
caldsver	4.7.3	 	ontime0	32077.794648051	Sum of GTIs [s]
date	2017-02-11T01:06:21	Date and time of file creation	ontime1	32074.694657683	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	32077.876737952	Sum of GTIs [s]
			ontime3	32081.058818102	Sum of GTIs [s]
			l1events	882513	Number of level 1 events

2.1.4 Events

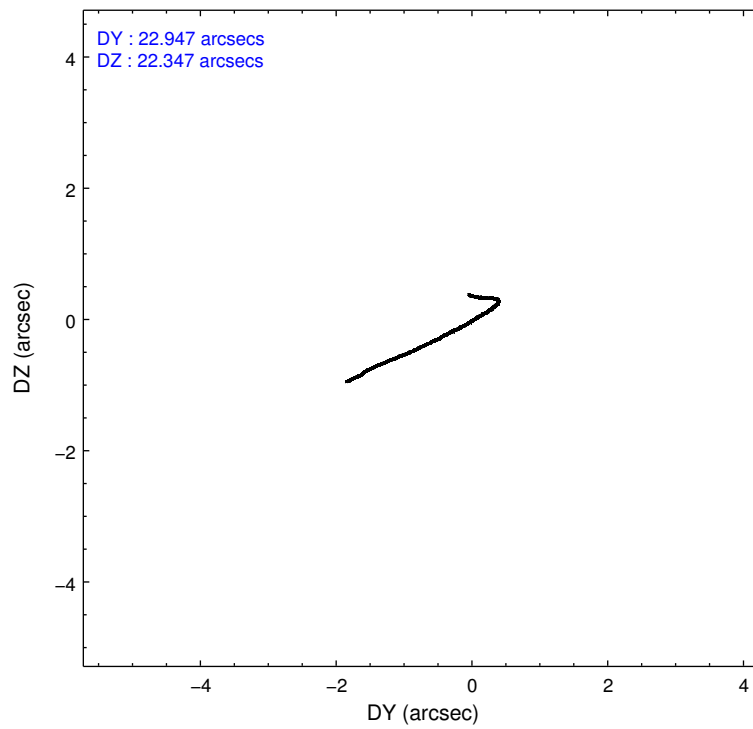
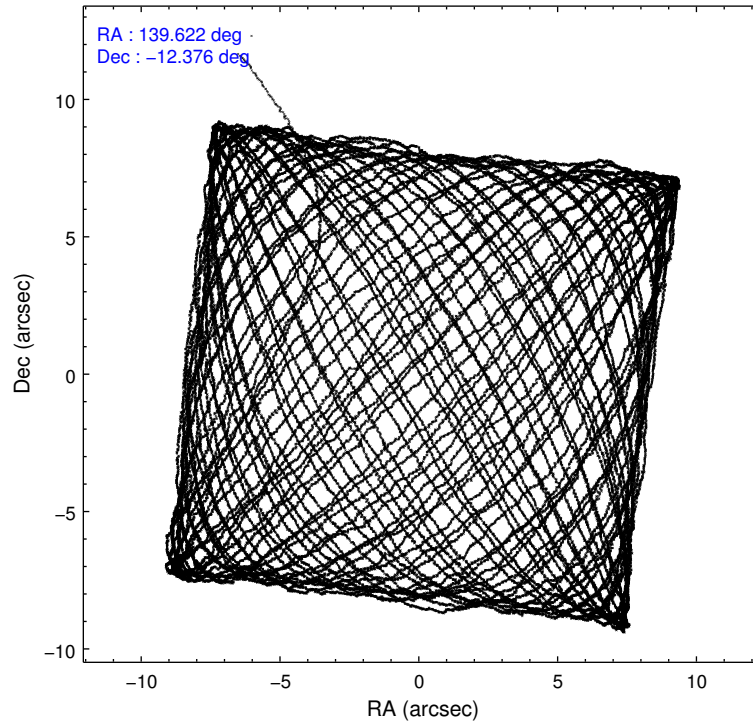
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	206338	219367	231246	225562
rejected events	180808	191018	205832	199546
rejected %	87%	87%	89%	88%

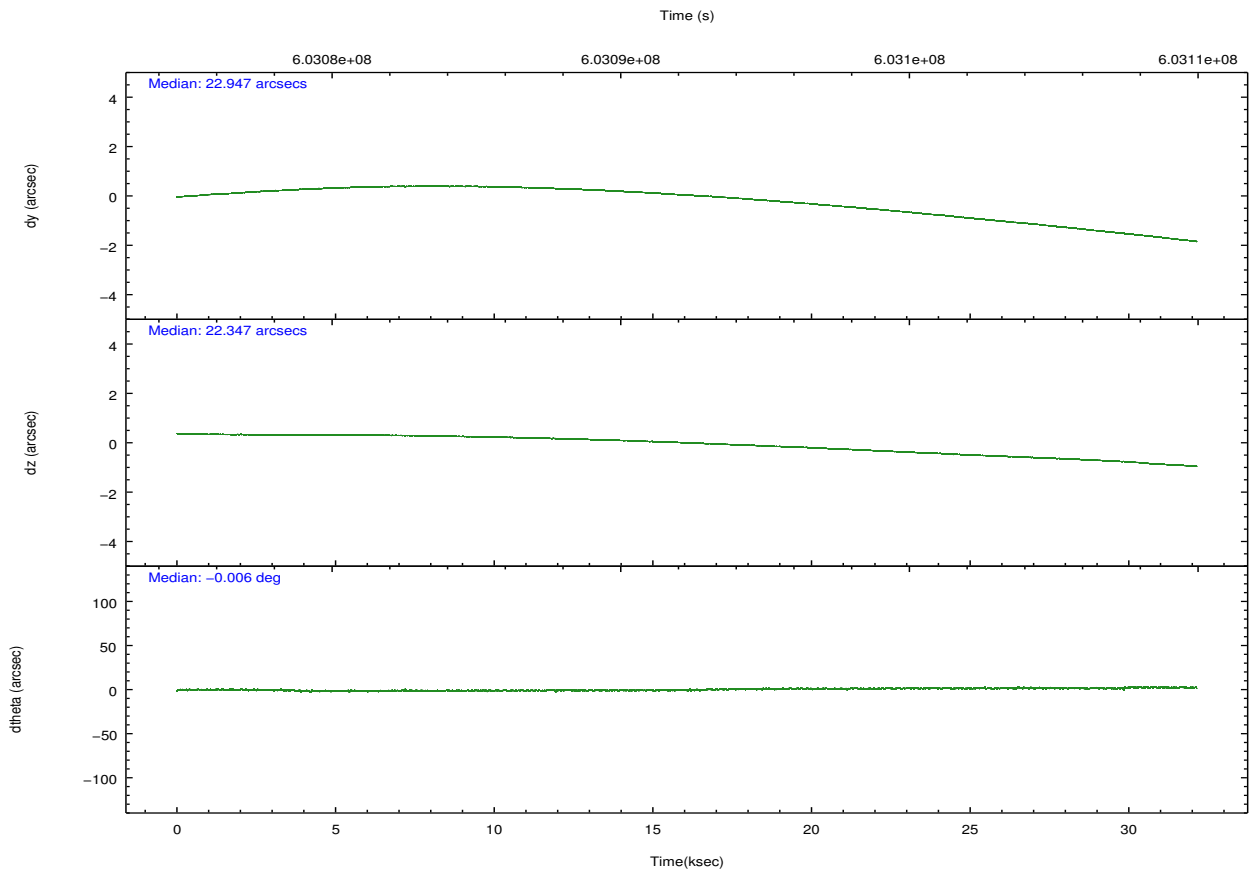
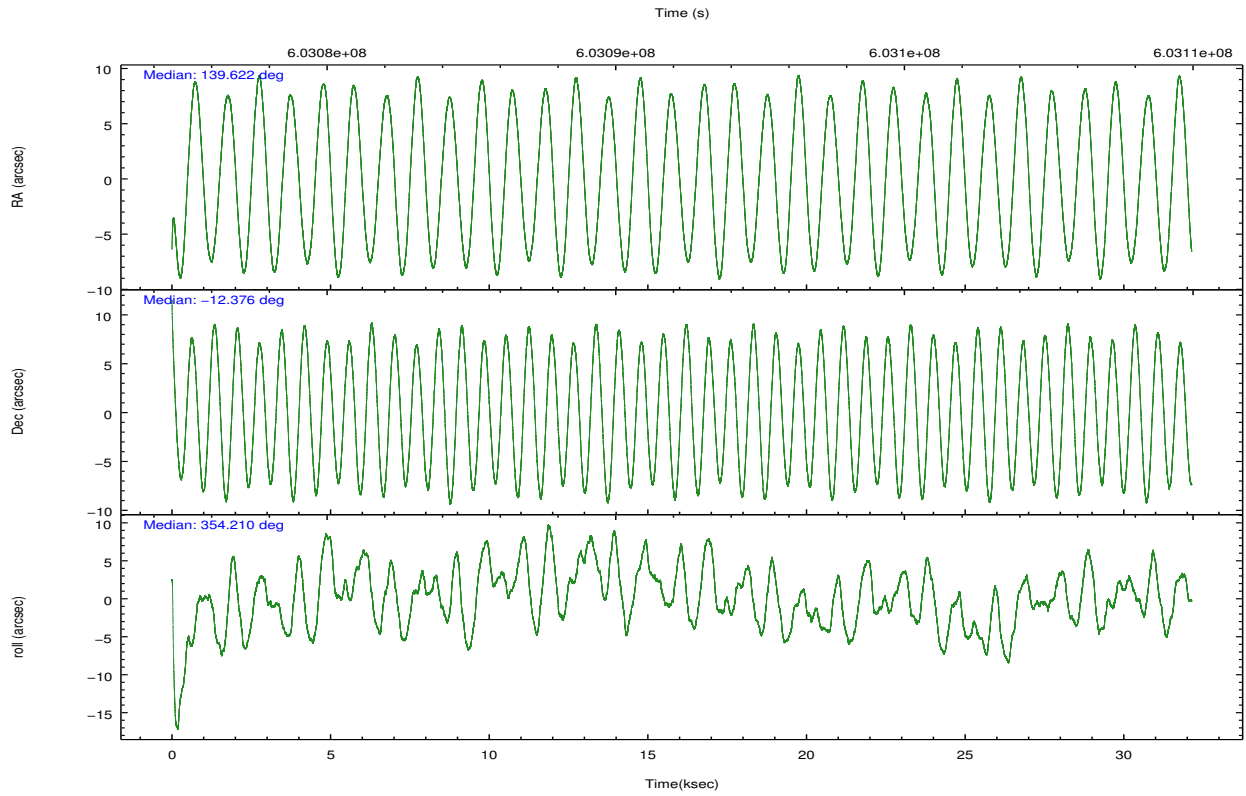
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	8801	10232	9490	10347
	4%	4%	4%	4%
grade 1 events	117	114	116	138
	0%	0%	0%	0%
grade 2 events	6403	6649	5950	5516
	3%	3%	2%	2%
grade 3 events	2597	2705	2465	2559
	1%	1%	1%	1%
grade 4 events	2437	2591	2602	2539
	1%	1%	1%	1%
grade 5 events	9753	10343	8853	10722
	4%	4%	3%	4%
grade 6 events	5295	6176	4912	5061
	2%	2%	2%	2%
grade 7 events	170935	180557	196858	188680
	82%	82%	85%	83%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	139.596344	139.6220645197467	CCD I2 on	Y	Y
[deg] Pointing Dec	-12.387587	-12.37617406482502	CCD I3 on	Y	Y
[deg] Pointing Roll	353.996536	354.2107442378962	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	603076342.184000	603075123.87616	CCD S5 on	N	N
Observation start date	2017-02-10T01:11:13	2017-02-10T00:52:03	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	603108342.184000	603109302.50314	On-chip summing requested	N	N
Observation end date	2017-02-10T10:04:33	2017-02-10T10:21:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



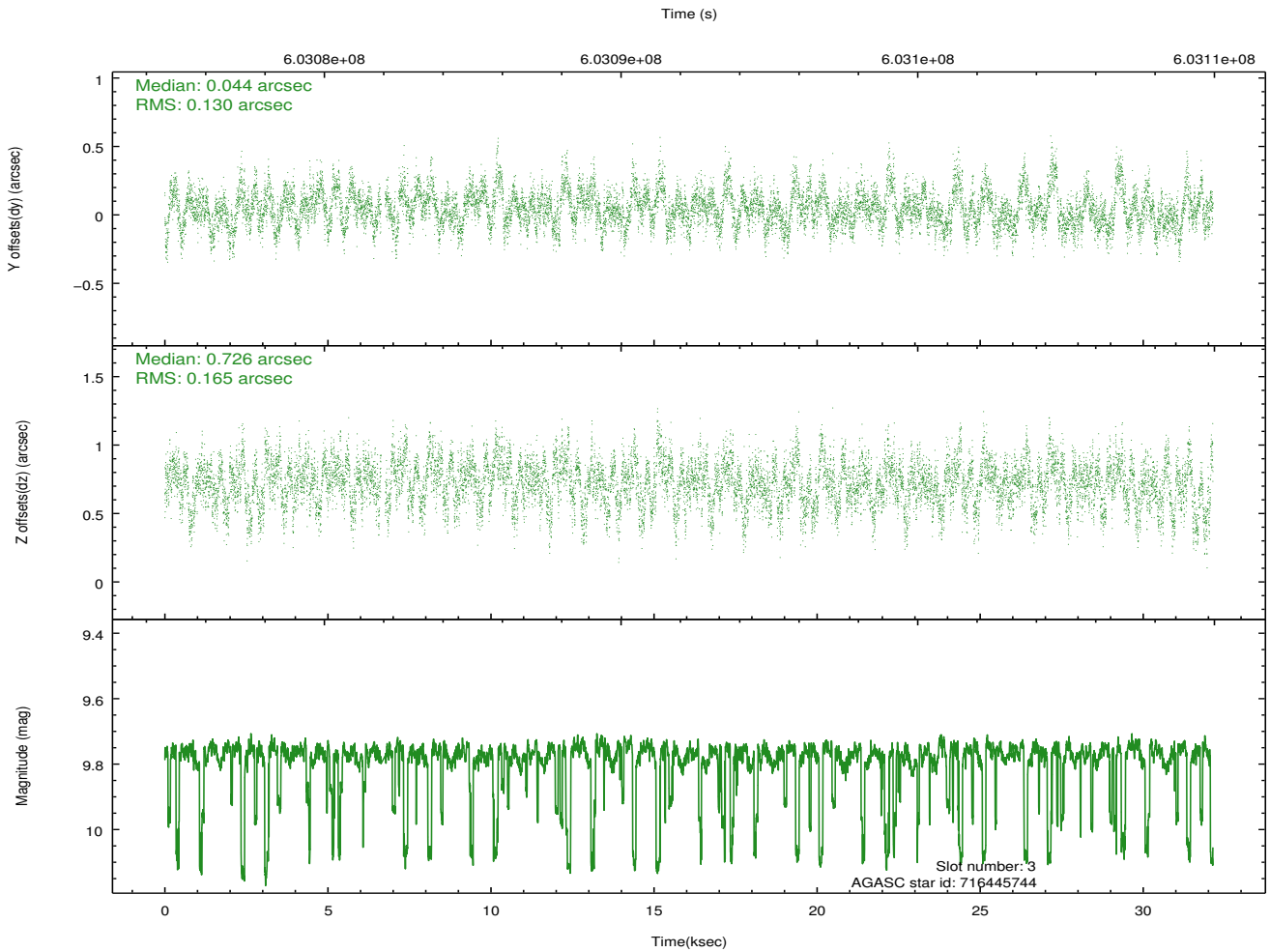
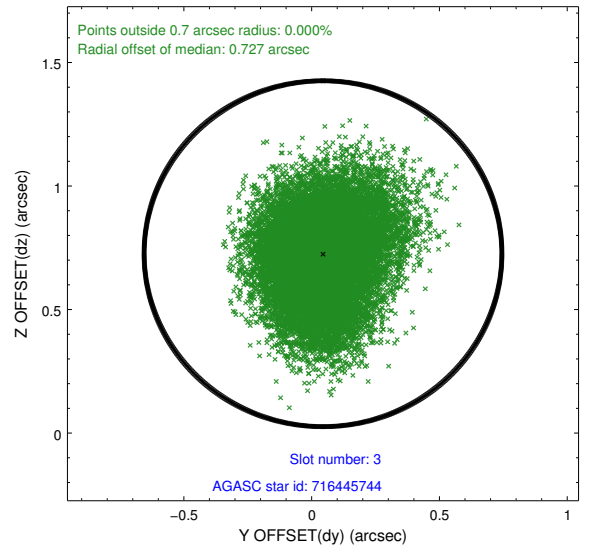
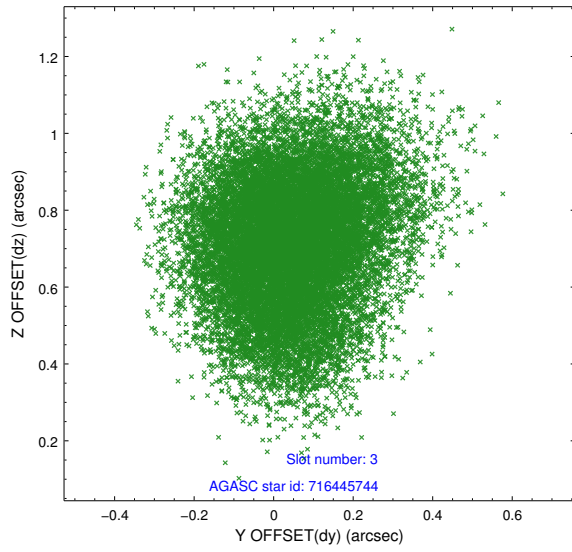


Slot Statistics

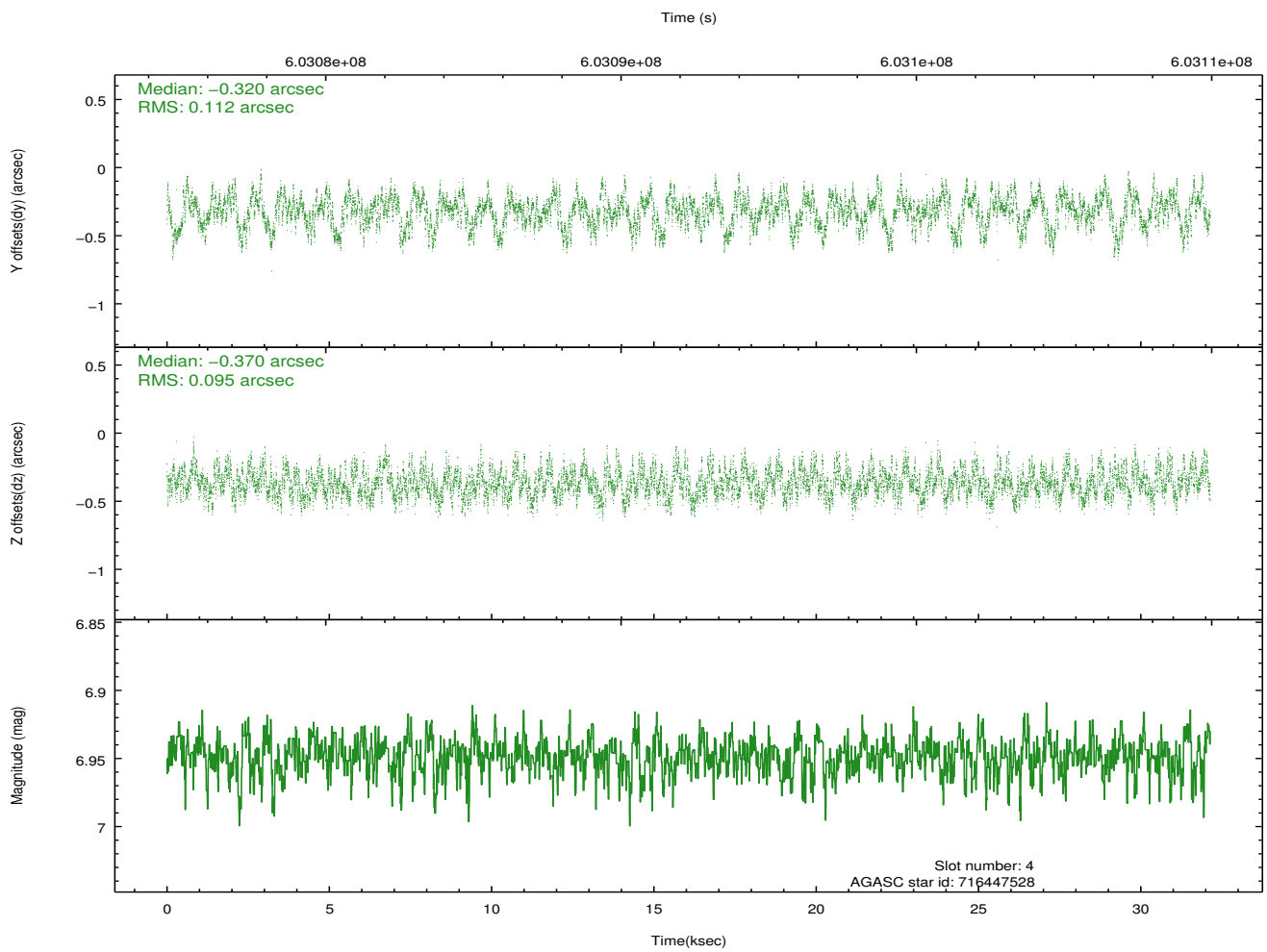
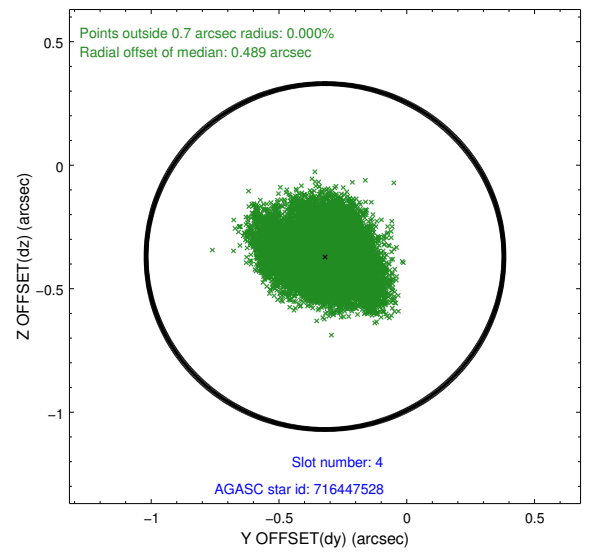
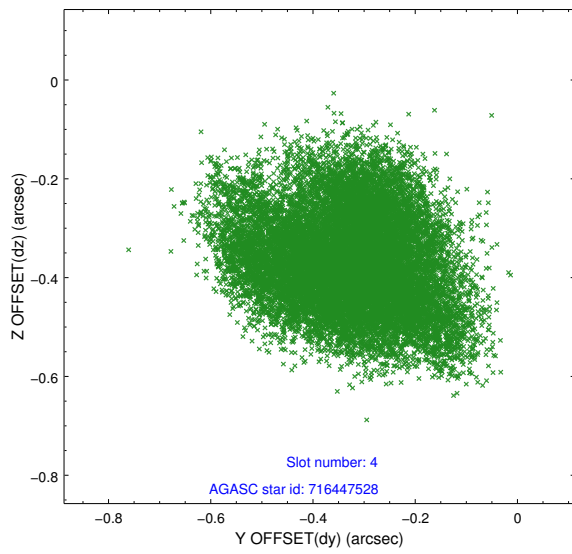
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.17	7838	0.091	-0.035	0.023	0.048	0.000000	0.000000	916.73	-846.01
1	FID		ACIS-I-5	7.14	7839	-0.420	0.035	0.009	0.014	0.000000	0.000000	-1831.98	1051.34
2	FID		ACIS-I-6	7.17	7838	0.238	0.073	0.018	0.038	0.000000	0.000000	382.19	1696.10
3	GUIDE	used	716445744	9.77	15507	0.044	0.726	0.225	0.363	139.008111	-12.963374	-1835.02	-2278.87
4	GUIDE	used	716447528	6.95	15675	-0.320	-0.370	0.159	0.250	139.371683	-11.961966	-947.74	1439.62
5	GUIDE	used	716452328	8.75	15664	0.190	-0.089	0.116	0.190	138.982178	-12.235590	-2206.94	314.49
6	GUIDE	used	716452568	9.29	15657	0.028	-0.256	0.169	0.273	139.317316	-12.008019	-1120.58	1255.74
7	GUIDE	used	716578656	9.05	15663	0.069	-0.011	0.166	0.272	140.216745	-12.561448	2234.08	-396.74

2.4 Star Slots

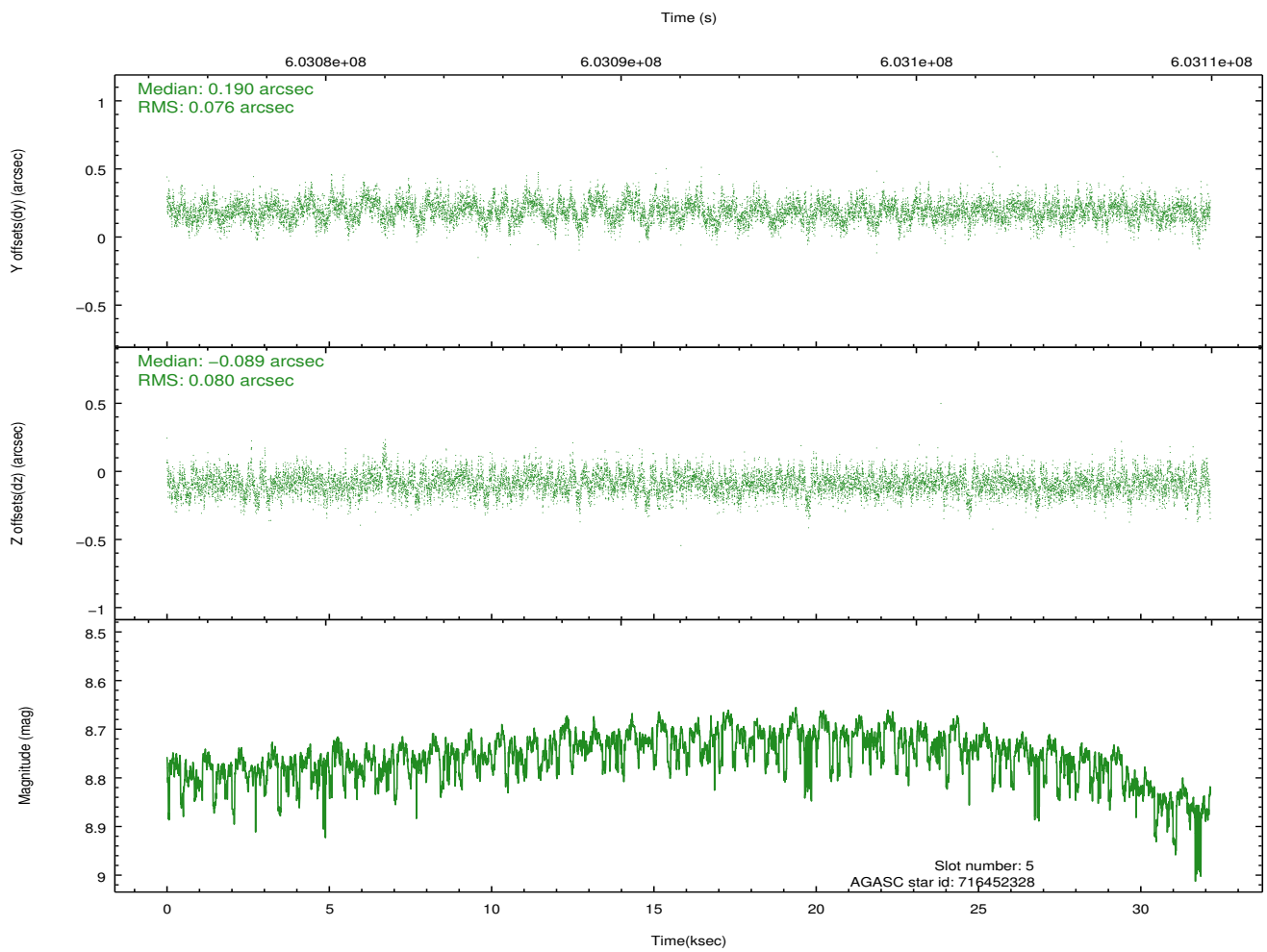
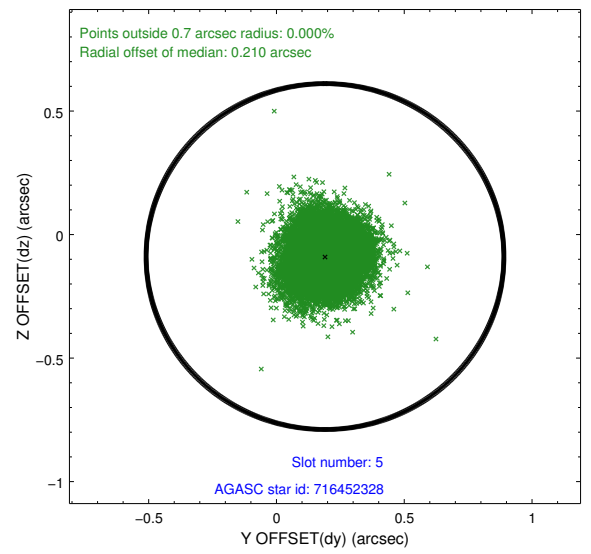
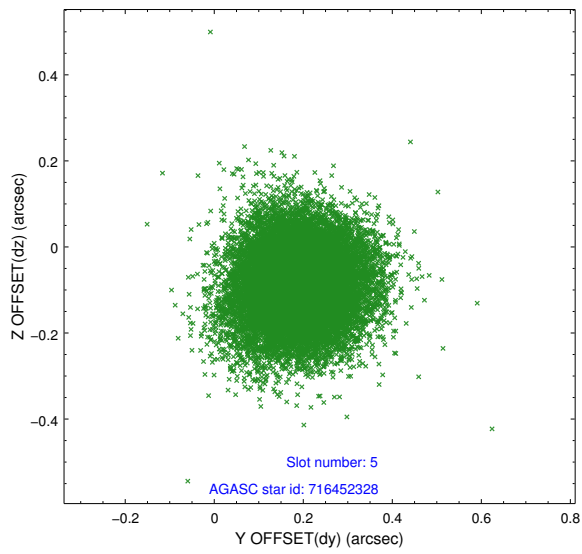
2.4.1 Slot 3



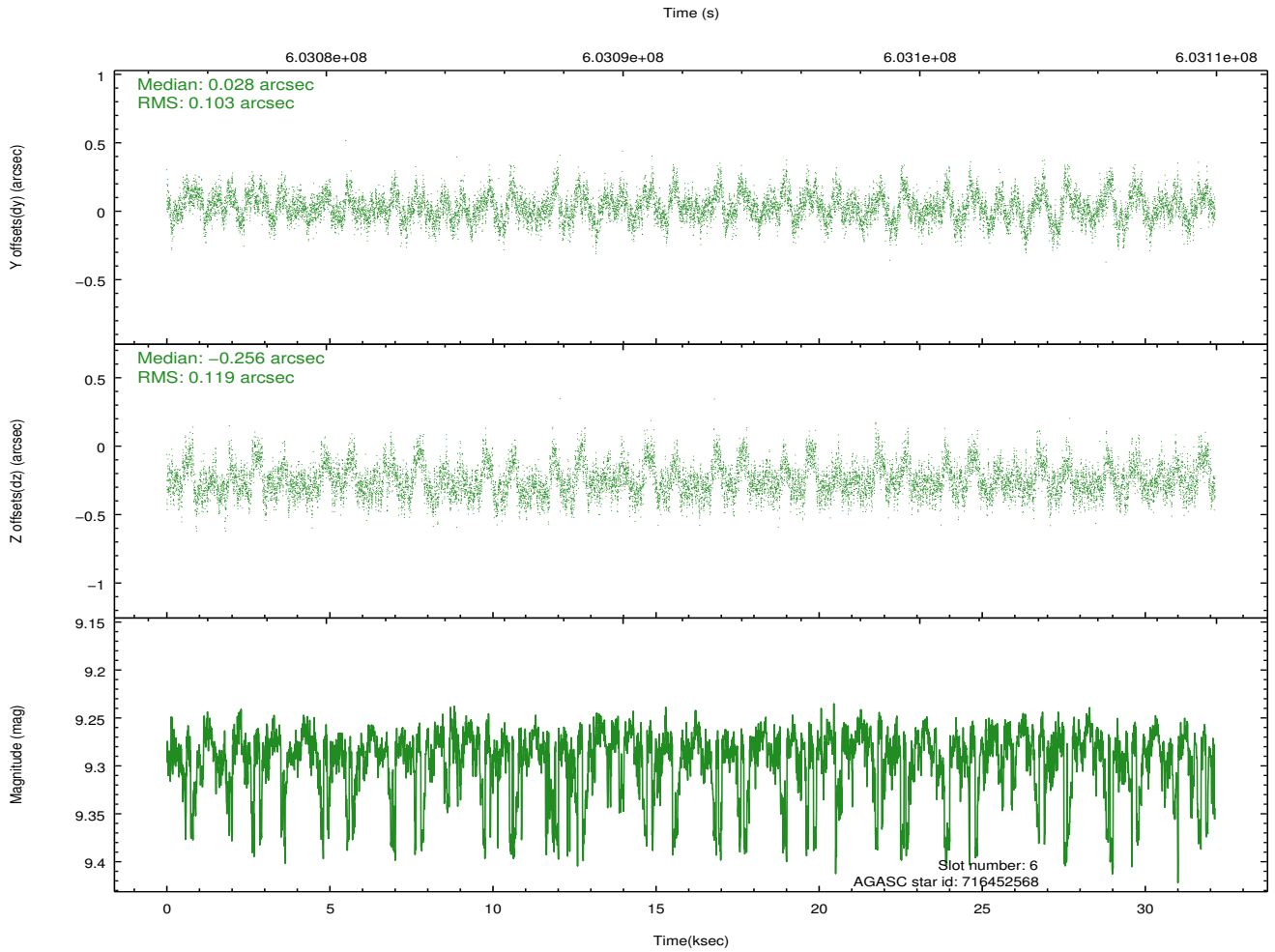
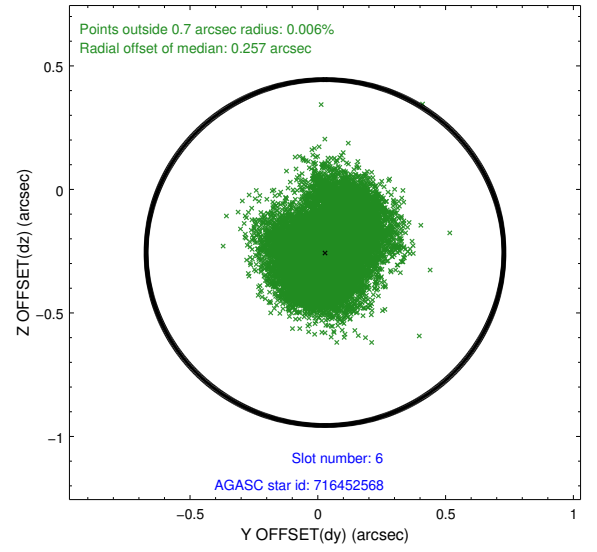
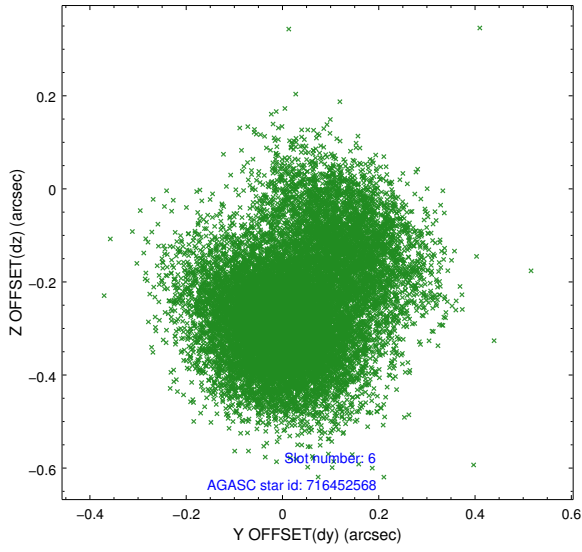
2.4.2 Slot 4



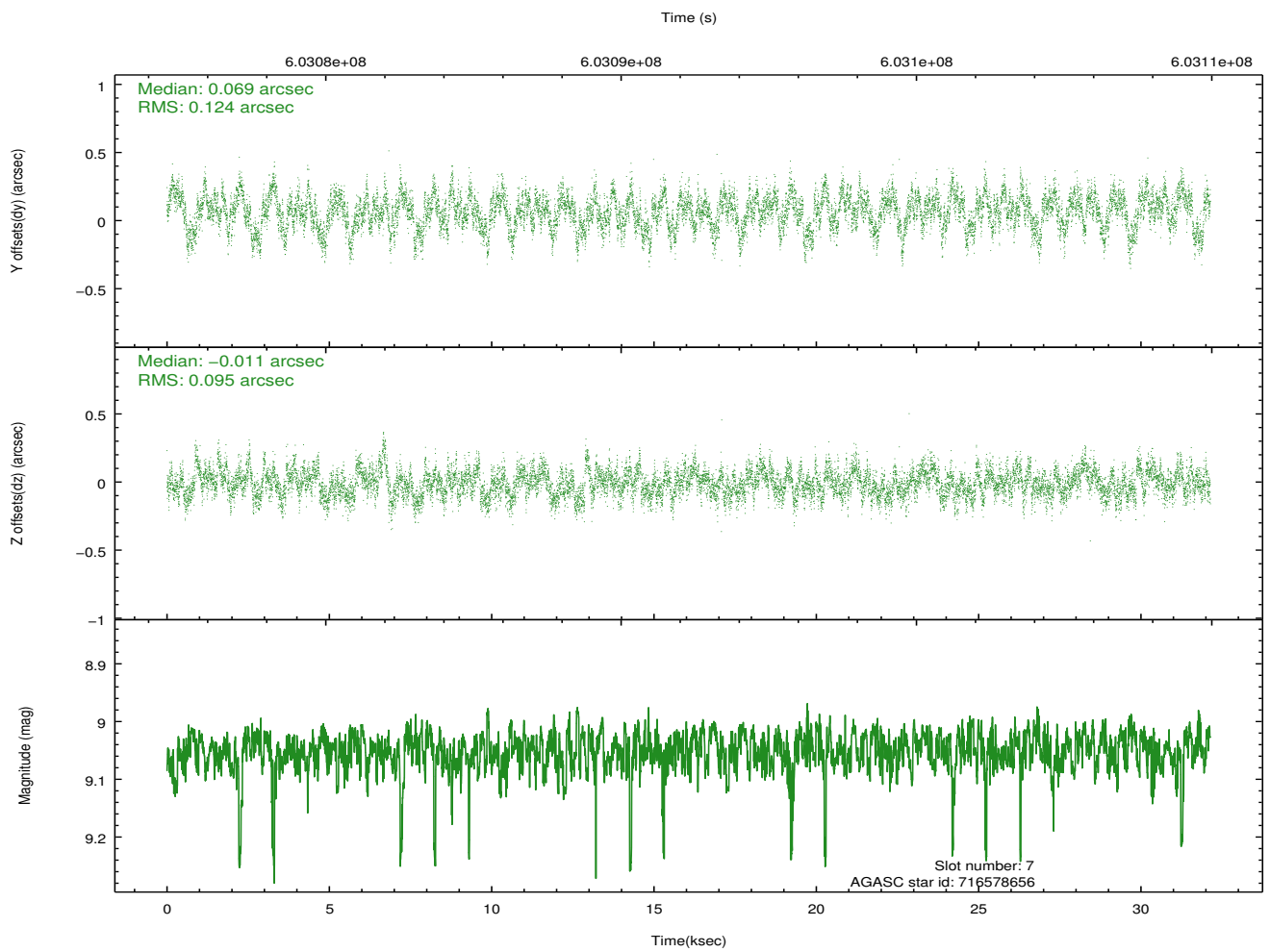
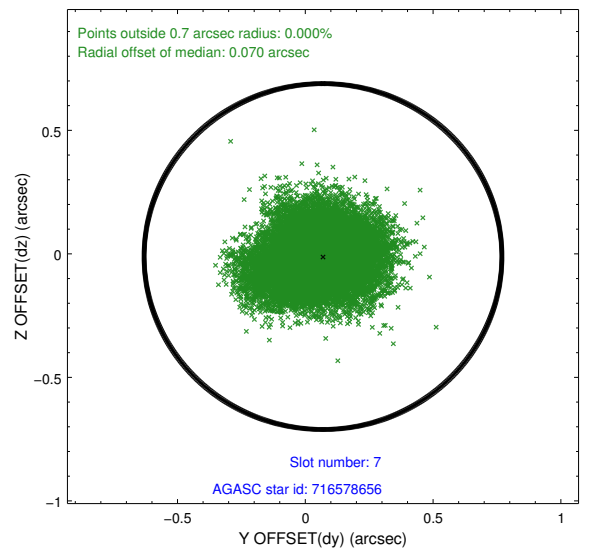
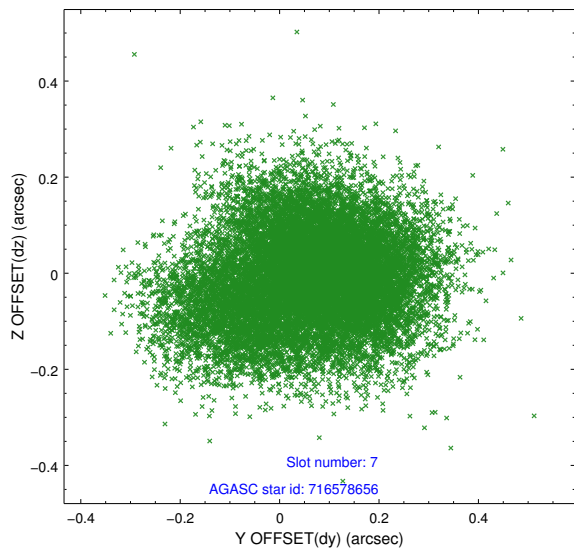
2.4.3 Slot 5



2.4.4 Slot 6

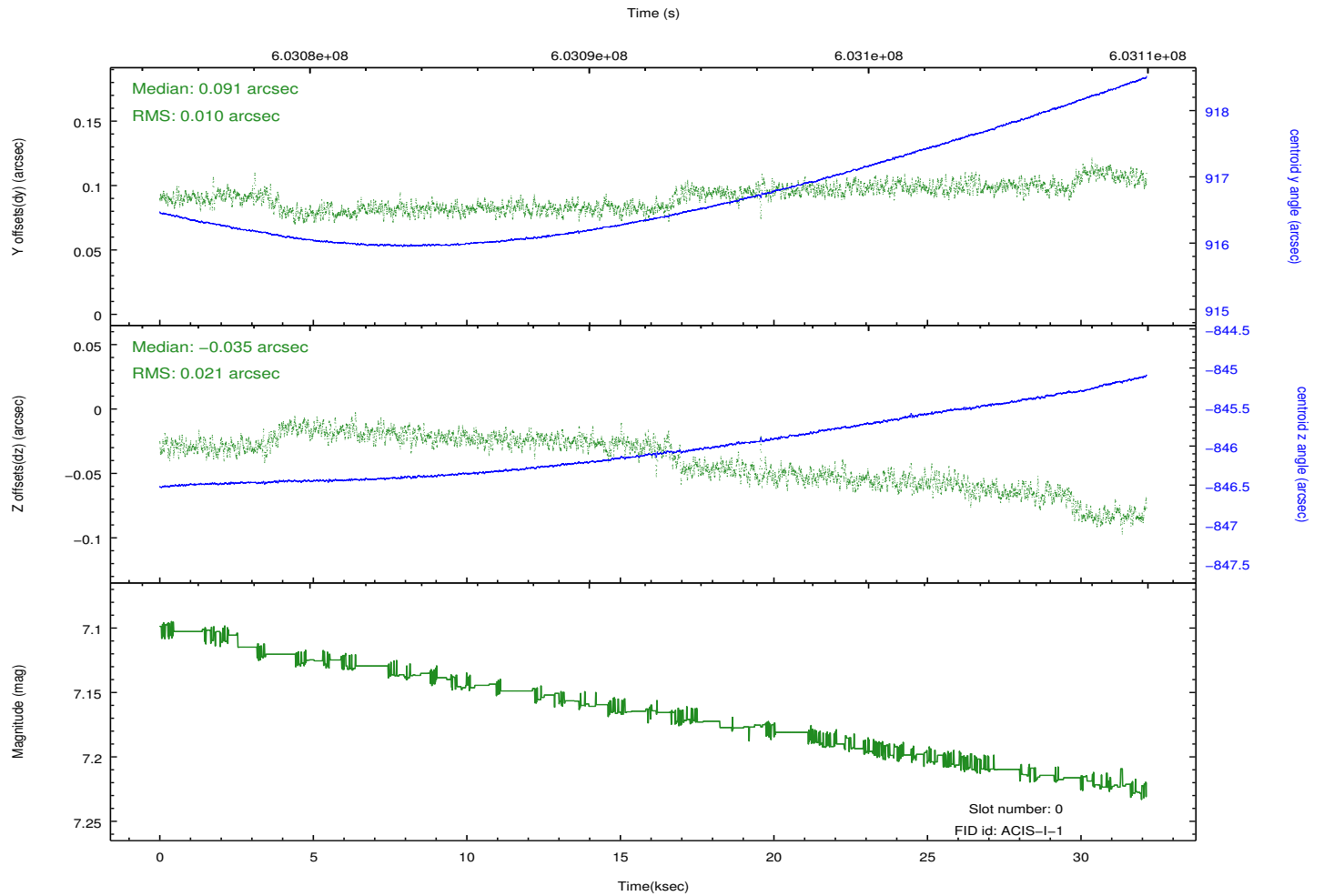
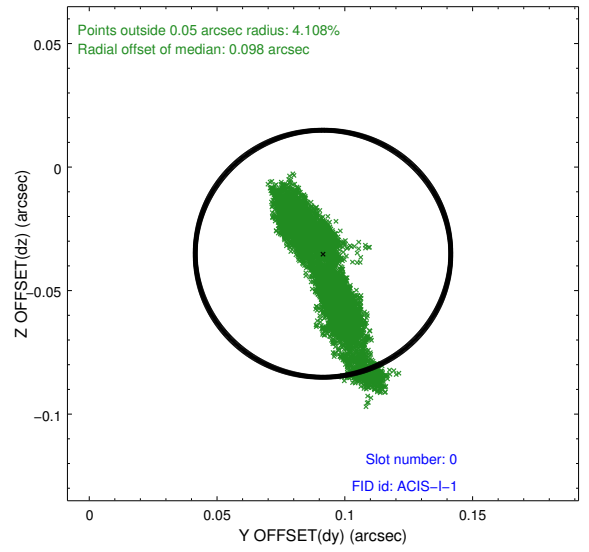
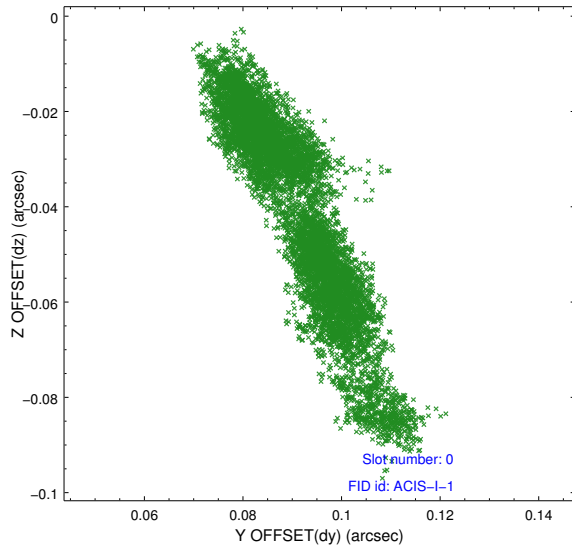


2.4.5 Slot 7

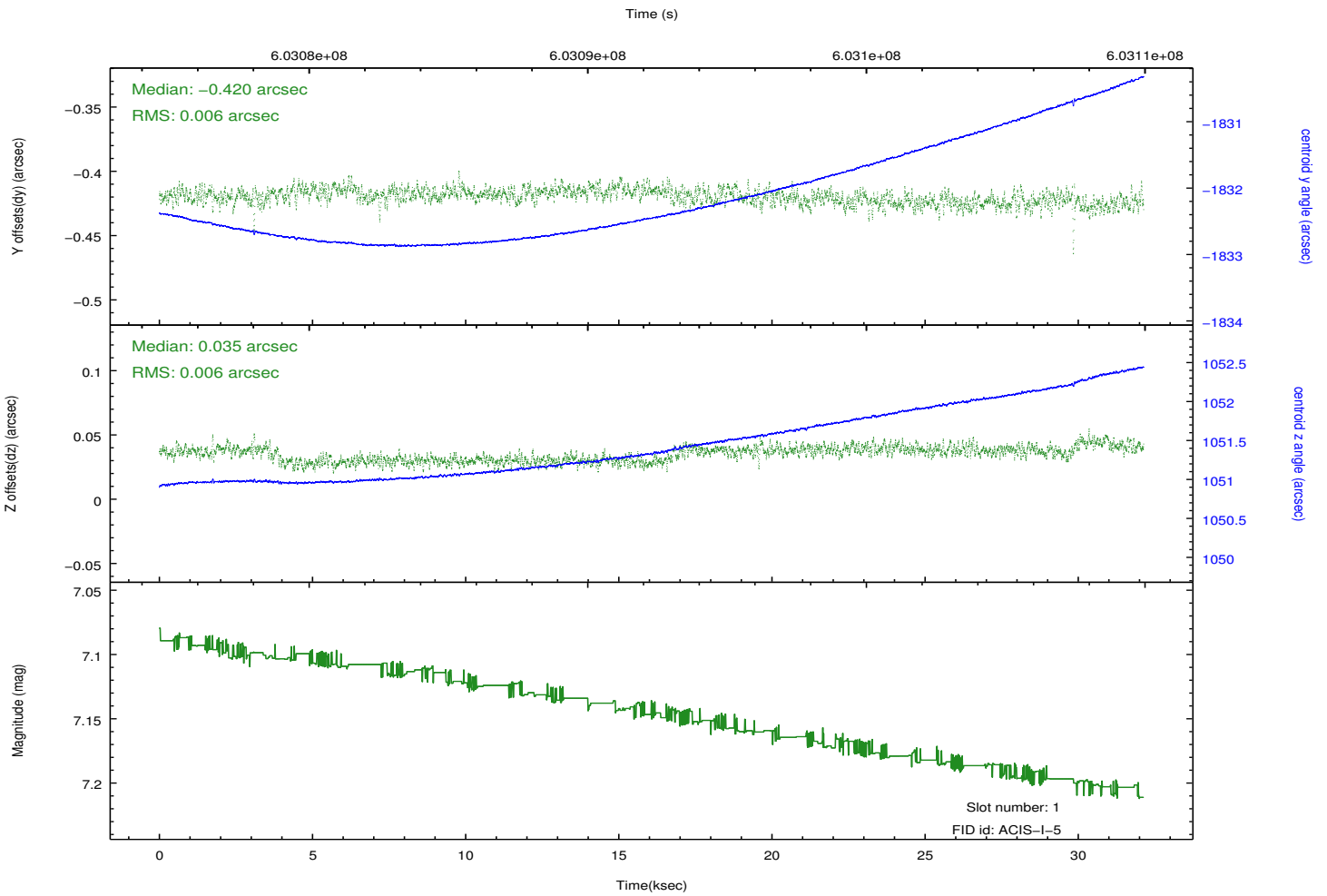
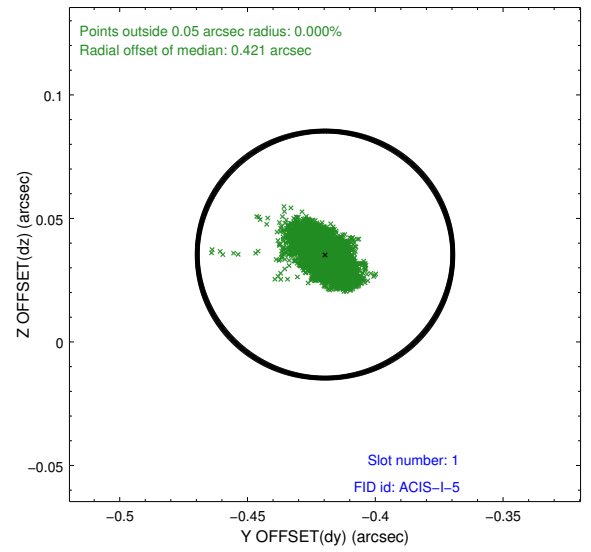
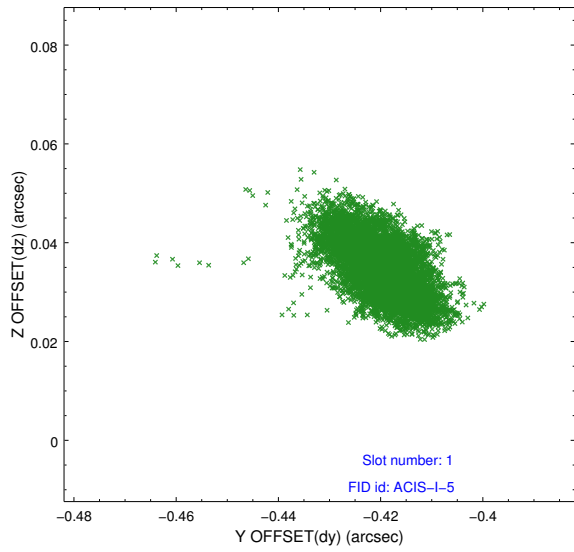


2.5 FID Slots

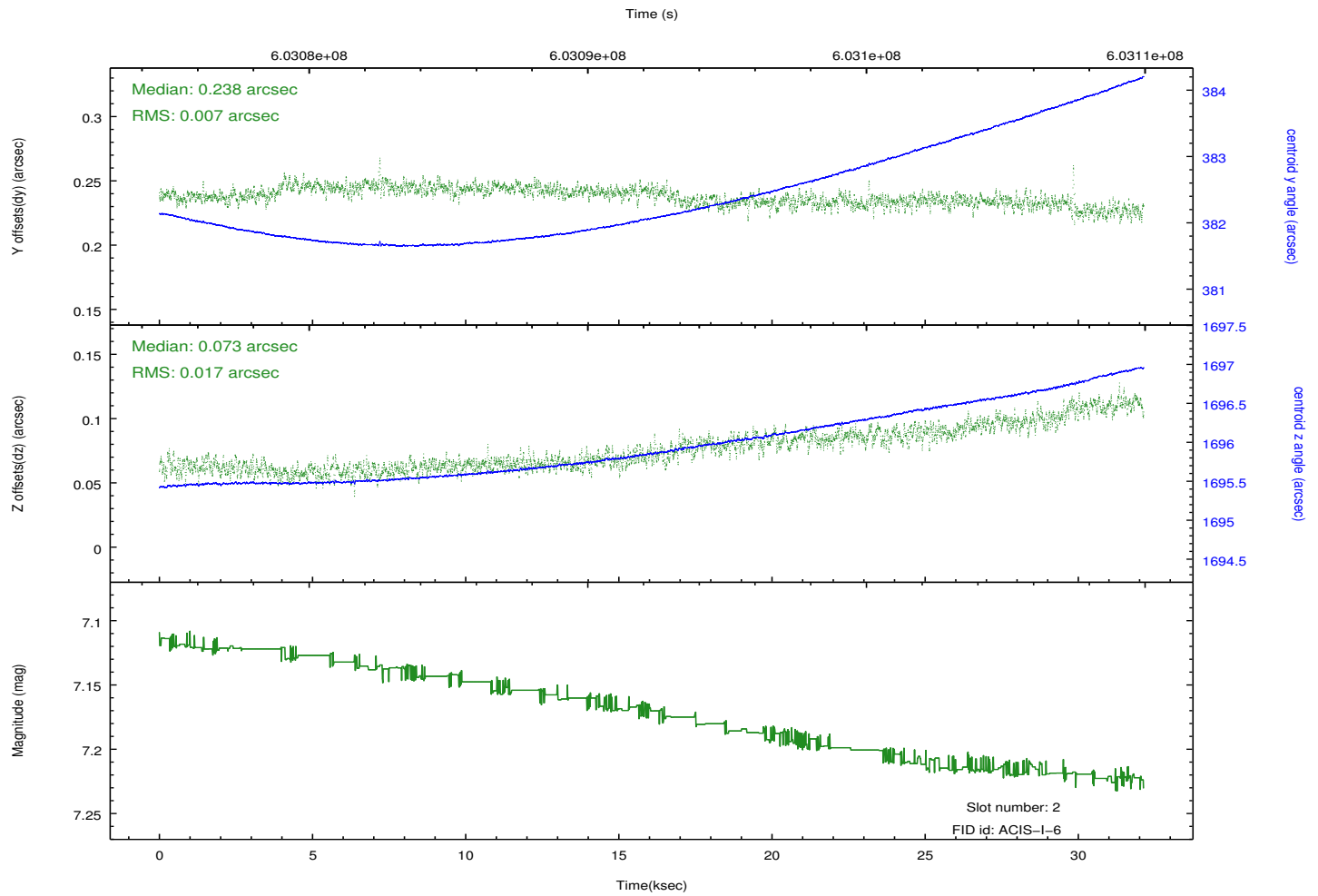
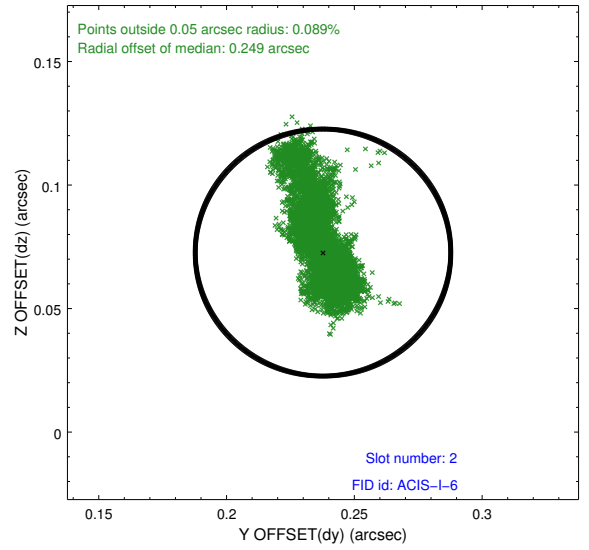
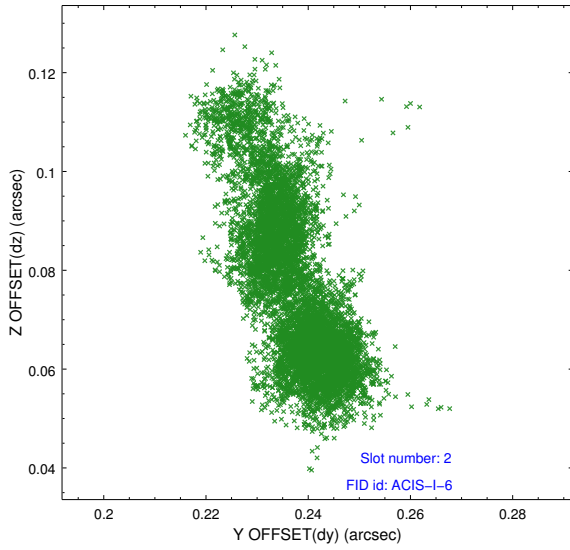
2.5.1 Slot 0



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)	2017.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.081058818102

A.2 Comments

One optional chip was dropped.