

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13782 - L2 Version 1
Chandra X-Ray Center

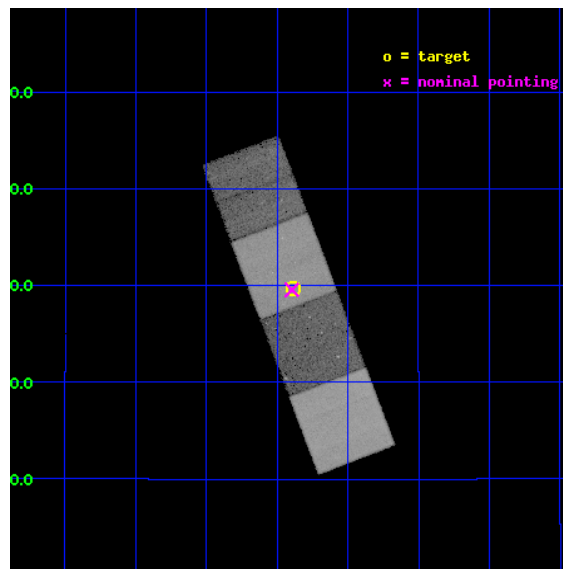
L2 Processing Date : Jun 11 2012

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1 Front

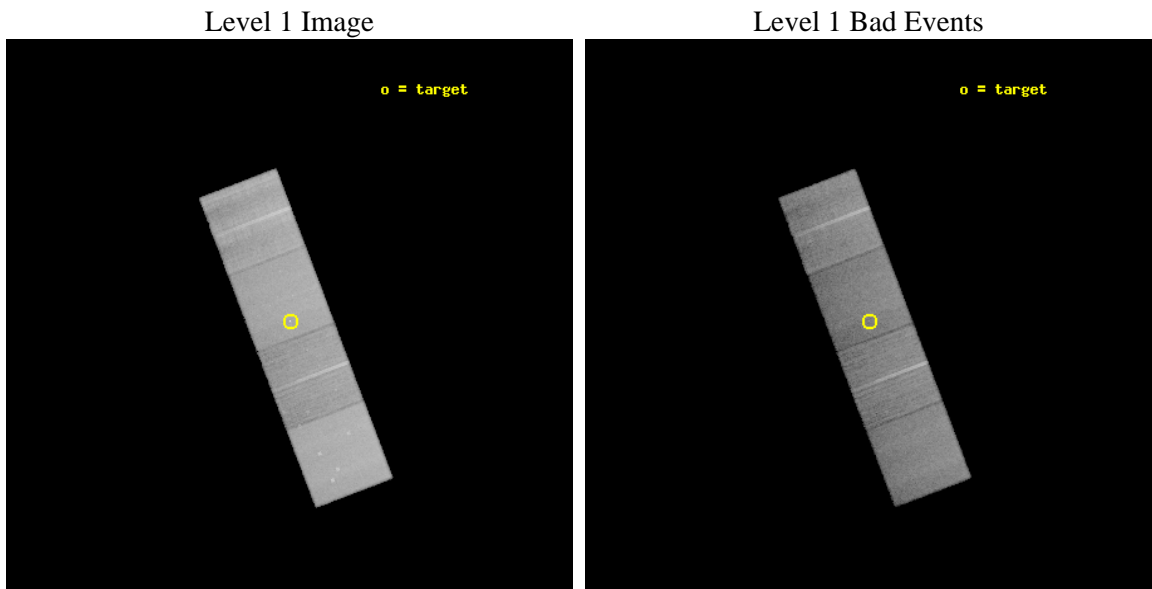
seq_num	501614	Sequence number
obs_id	13782	Observation id
title	The X-ray Luminous Type IIIn Supernova 2010jl	Proposal title
observer	Dr. Poonam Chandra	Principal investigator
object	SN 2010jl	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.722083	Observer's specified target RA [deg]
dec_targ	9.494944	Observer's specified target Dec [deg]
ra_nom	145.72391462972	Nominal RA [deg]
dec_nom	9.4925206495545	Nominal Dec [deg]
roll_nom	249.10083048749	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40067.239275515	Sum of GTIs [s]
livetime	39543.731297308	Livetime [s]
ontime5	40067.198235512	Sum of GTIs [s]
ontime6	40057.734264493	Sum of GTIs [s]
ontime7	40067.239275515	Sum of GTIs [s]
ontime8	40067.116155505	Sum of GTIs [s]
l2events	341705	Number of level 2 events



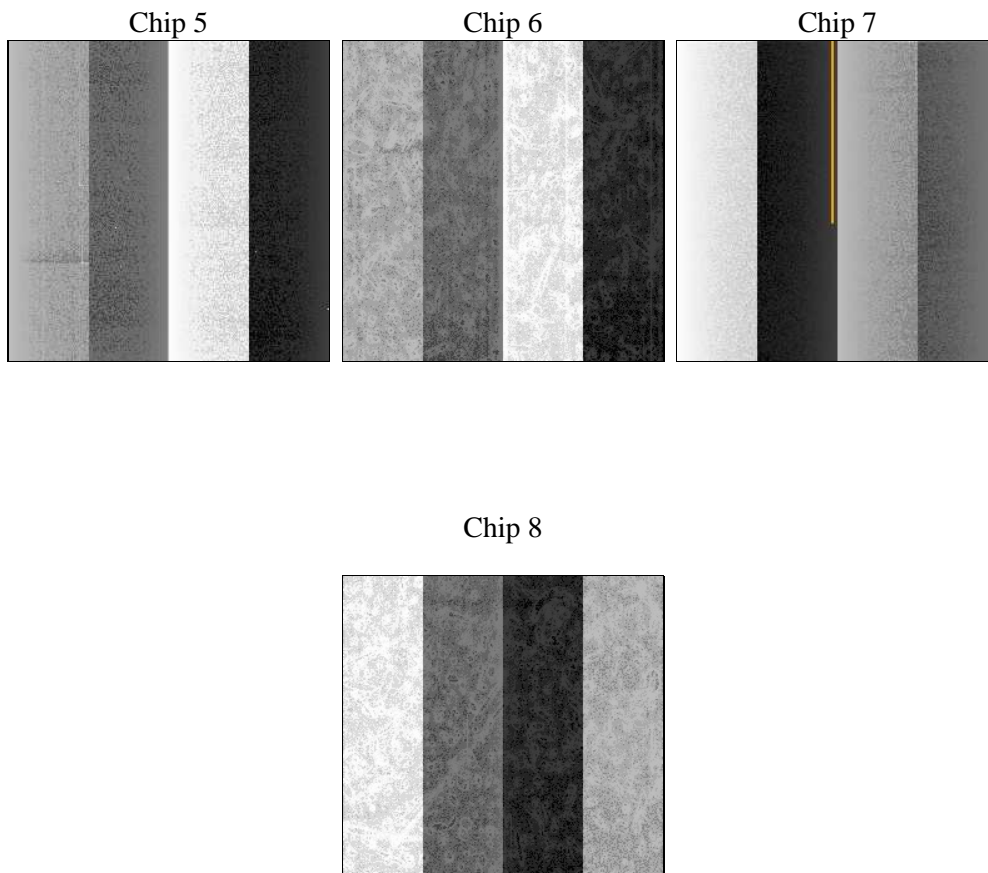
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40067.239275515	Sum of GTIs [s]
caldbver	4.4.10	 	ontime5	40067.198235512	Sum of GTIs [s]
date	2012-06-11T23:11:28	Date and time of file creation	ontime6	40057.734264493	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	40067.239275515	Sum of GTIs [s]
			ontime8	40067.116155505	Sum of GTIs [s]
			l1events	1164141	Number of level 1 events

2.1.4 Events

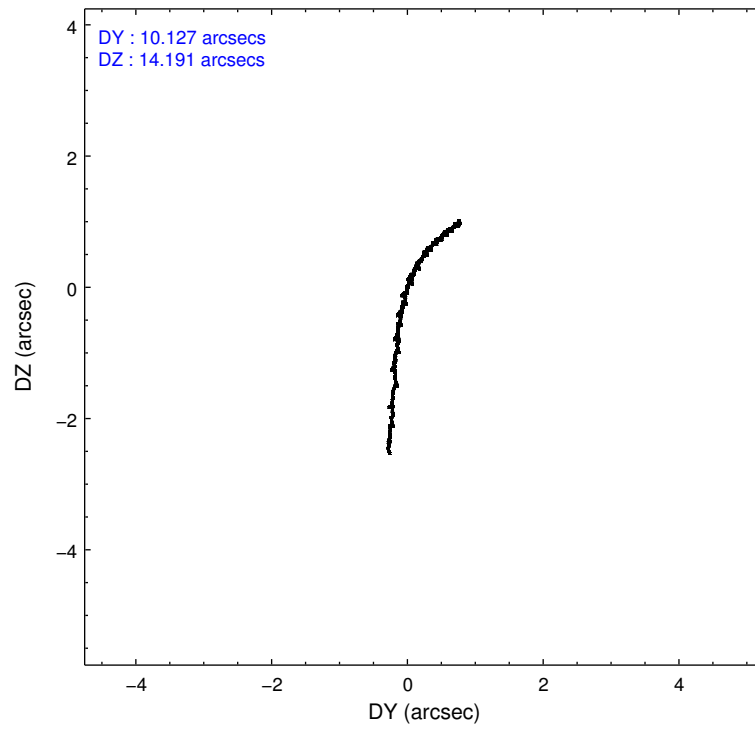
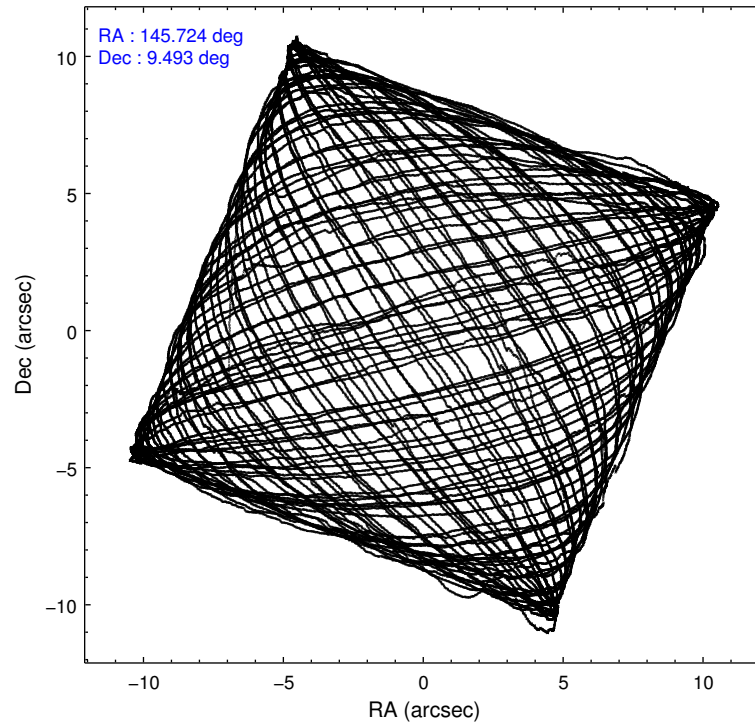
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	353990	222008	292422	295721
rejected events	182494	194704	162980	217410
rejected %	51%	87%	55%	73%

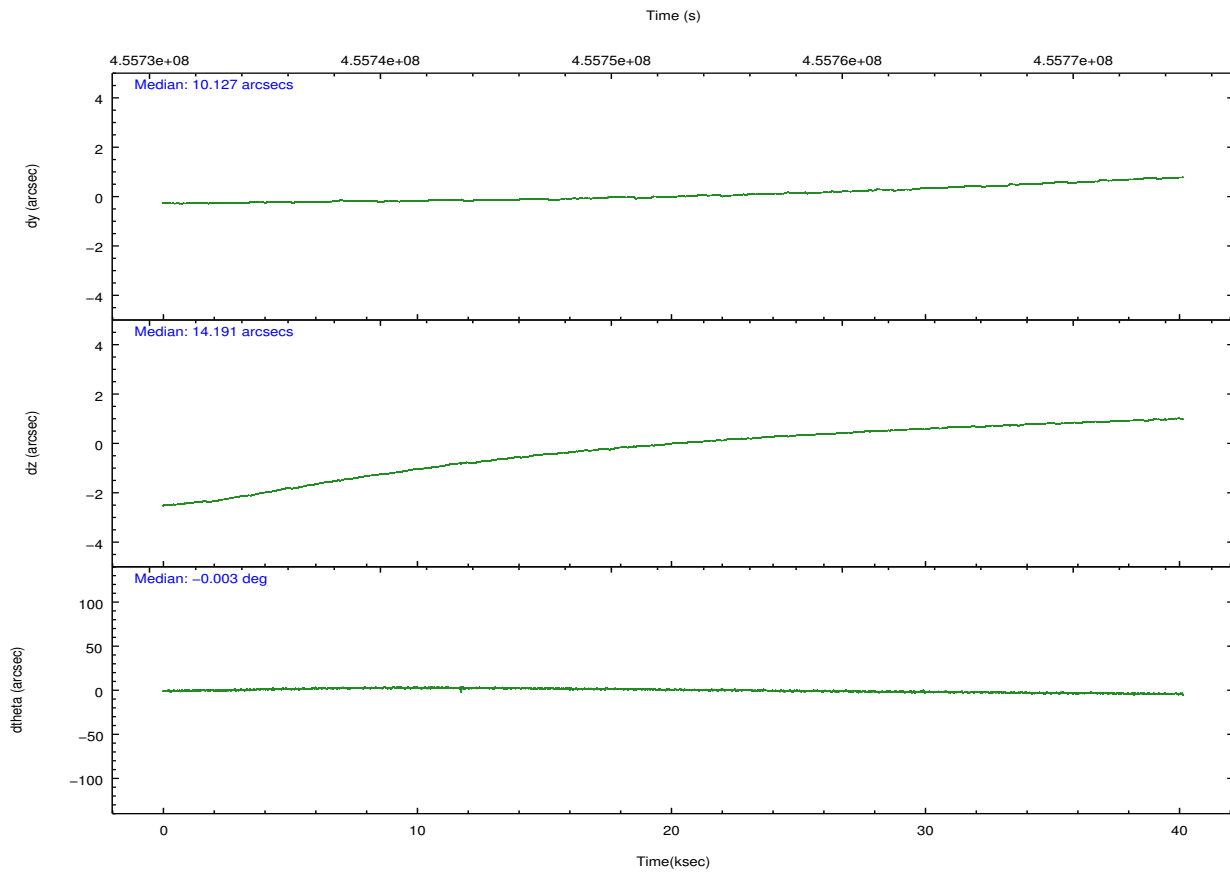
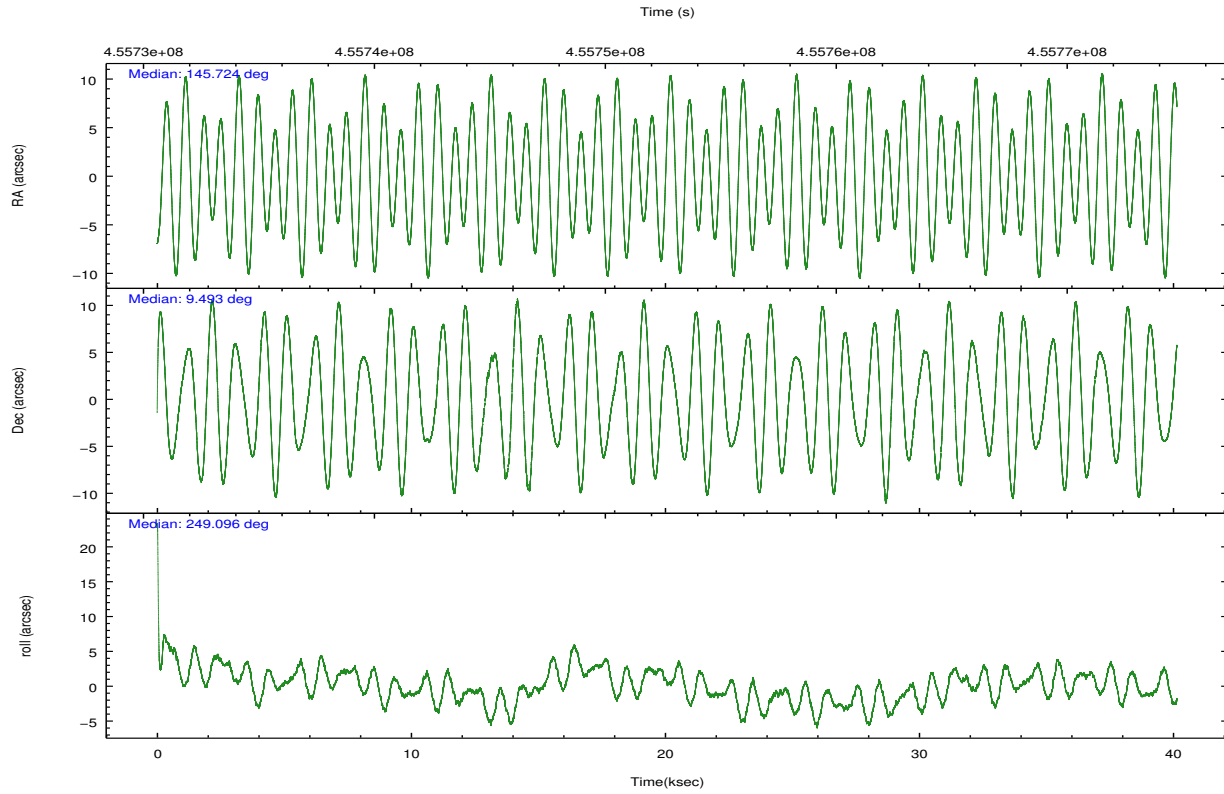
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13478	9647	11581	23101
	3%	4%	3%	7%
grade 1 events	615	141	377	210
	0%	0%	0%	0%
grade 2 events	51803	6069	26490	18369
	14%	2%	9%	6%
grade 3 events	6436	2755	11081	8086
	1%	1%	3%	2%
grade 4 events	6391	2656	10871	7783
	1%	1%	3%	2%
grade 5 events	27130	11029	29975	16073
	7%	4%	10%	5%
grade 6 events	93425	6184	69431	20989
	26%	2%	23%	7%
grade 7 events	154712	183527	132616	201110
	43%	82%	45%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	145.719151	145.7239146297185	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.519448	9.492520649554514	Alternating exposures requested	N	N
[deg] Pointing Roll	248.944980	249.1008304874934	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	455732742.184000	455731555.60772			
Observation start date	2012-06-10T16:24:36	2012-06-10T16:05:55			
[s] Observation end time (MET)	455772742.184000	455773771.77246			
Observation end date	2012-06-11T03:31:16	2012-06-11T03:49:31			
Read mode	TIMED	TIMED			

2.3 Aspect



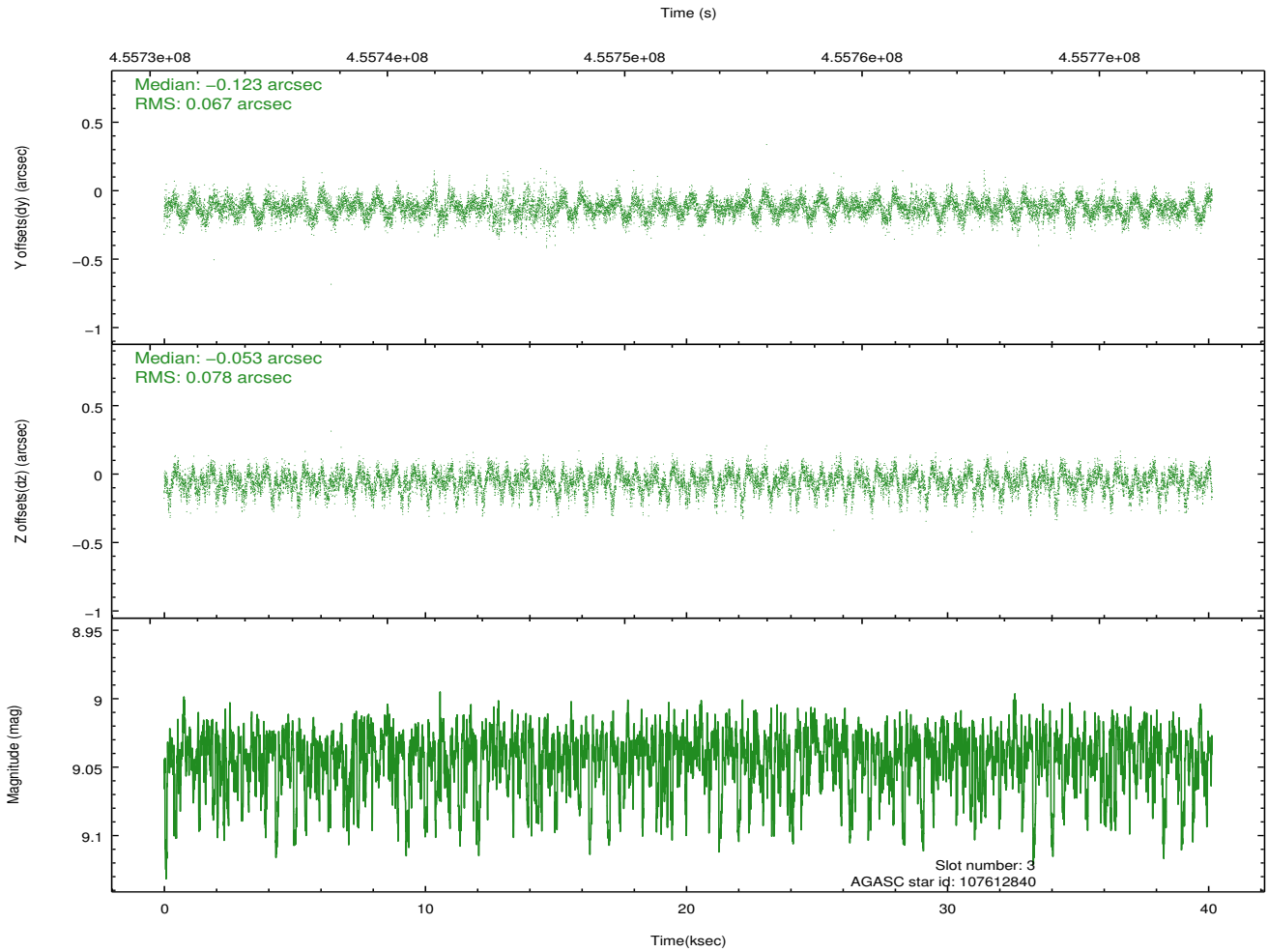
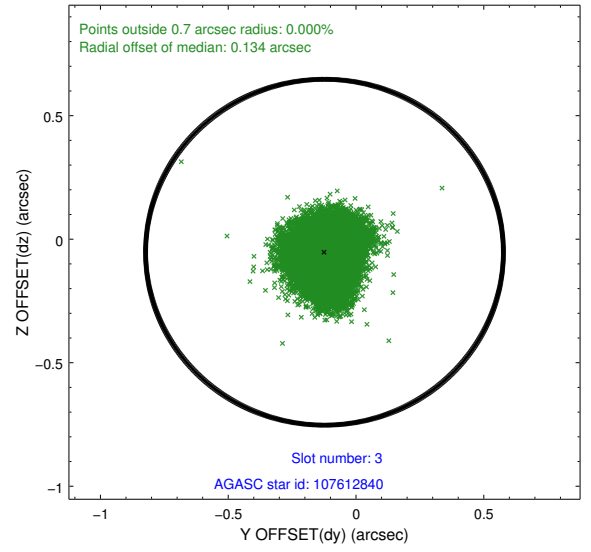
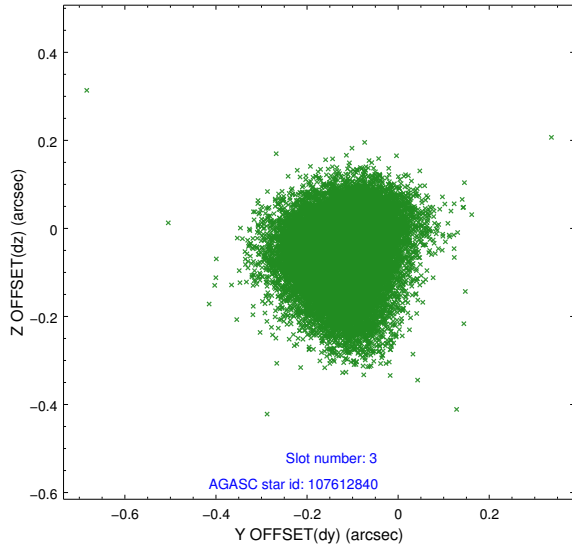


Slot Statistics

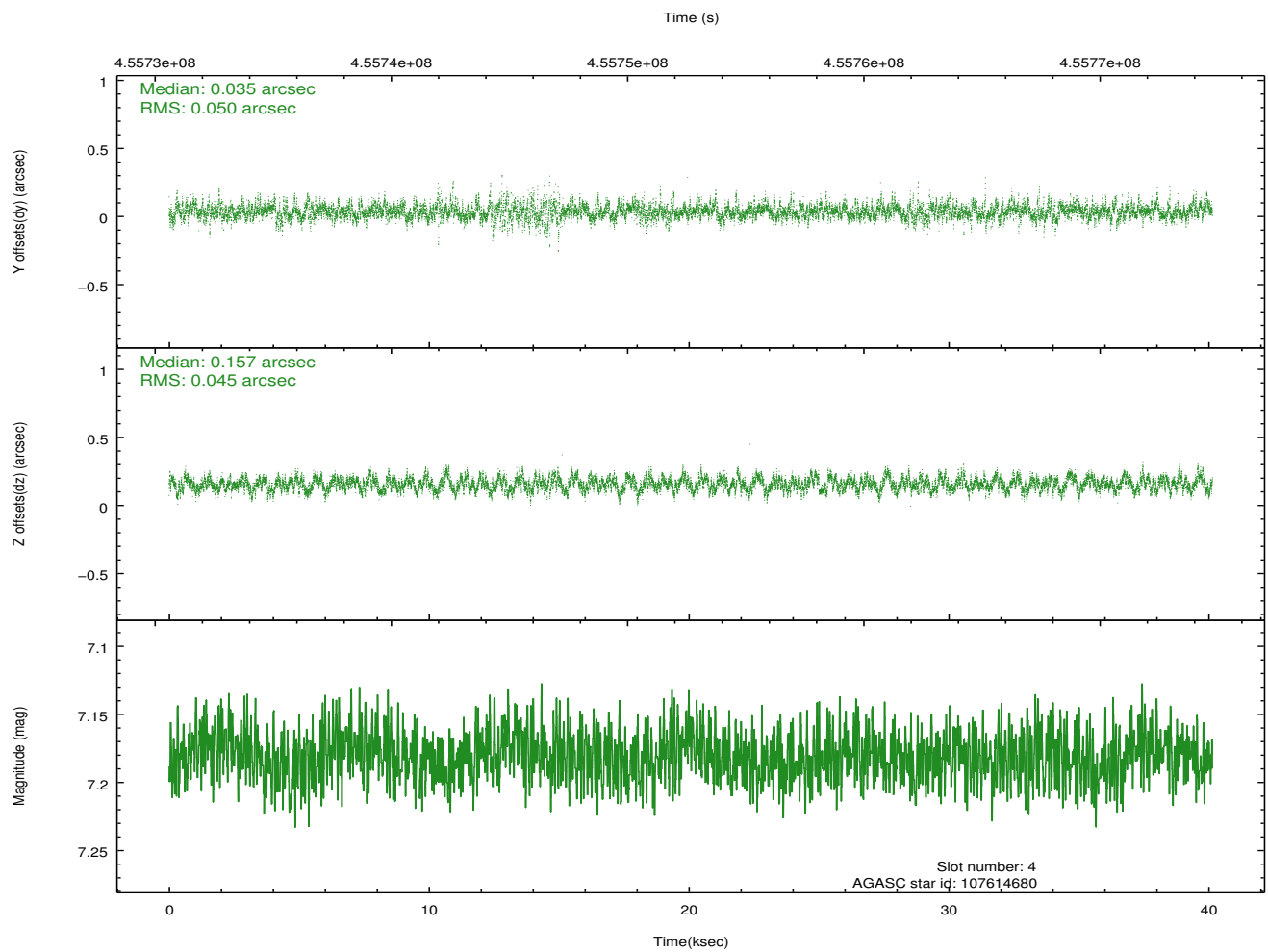
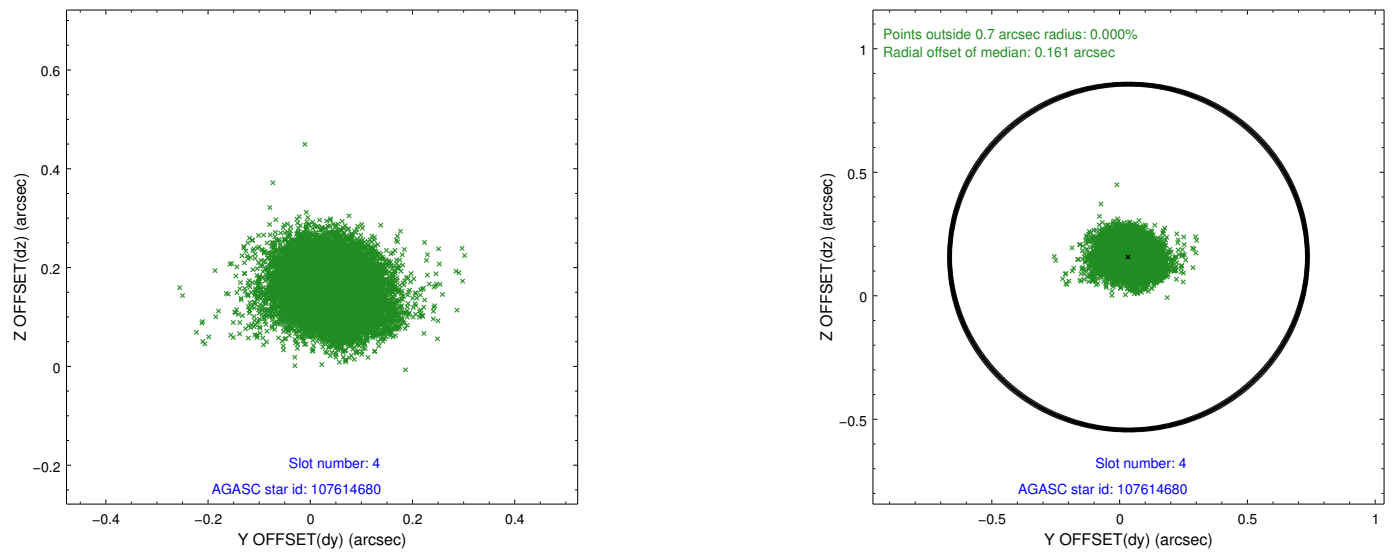
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	9791	-0.001	-0.050	0.015	0.022	0.000000	0.000000	-763.08	-1735.24
1	FID	ACIS-S-5	7.08	9792	-0.127	0.005	0.020	0.029	0.000000	0.000000	-1816.31	166.79
2	FID	ACIS-S-6	7.19	9792	0.099	0.051	0.012	0.017	0.000000	0.000000	398.64	810.73
3	GUIDE	107612840	9.04	19569	-0.123	-0.053	0.109	0.177	145.374441	9.465044	622.58	-1072.16
4	GUIDE	107614680	7.18	19584	0.035	0.157	0.070	0.117	145.310964	8.995416	2282.48	-676.64
5	GUIDE	107617024	8.34	19577	-0.034	-0.009	0.076	0.126	145.130994	9.426697	1061.15	-1829.78
6	GUIDE	107618792	8.87	19576	0.042	-0.043	0.093	0.153	144.990311	9.510841	957.22	-2404.53
7	GUIDE	108531080	8.75	19567	0.079	-0.049	0.083	0.141	145.751319	8.809136	2345.84	1025.73

2.4 Star Slots

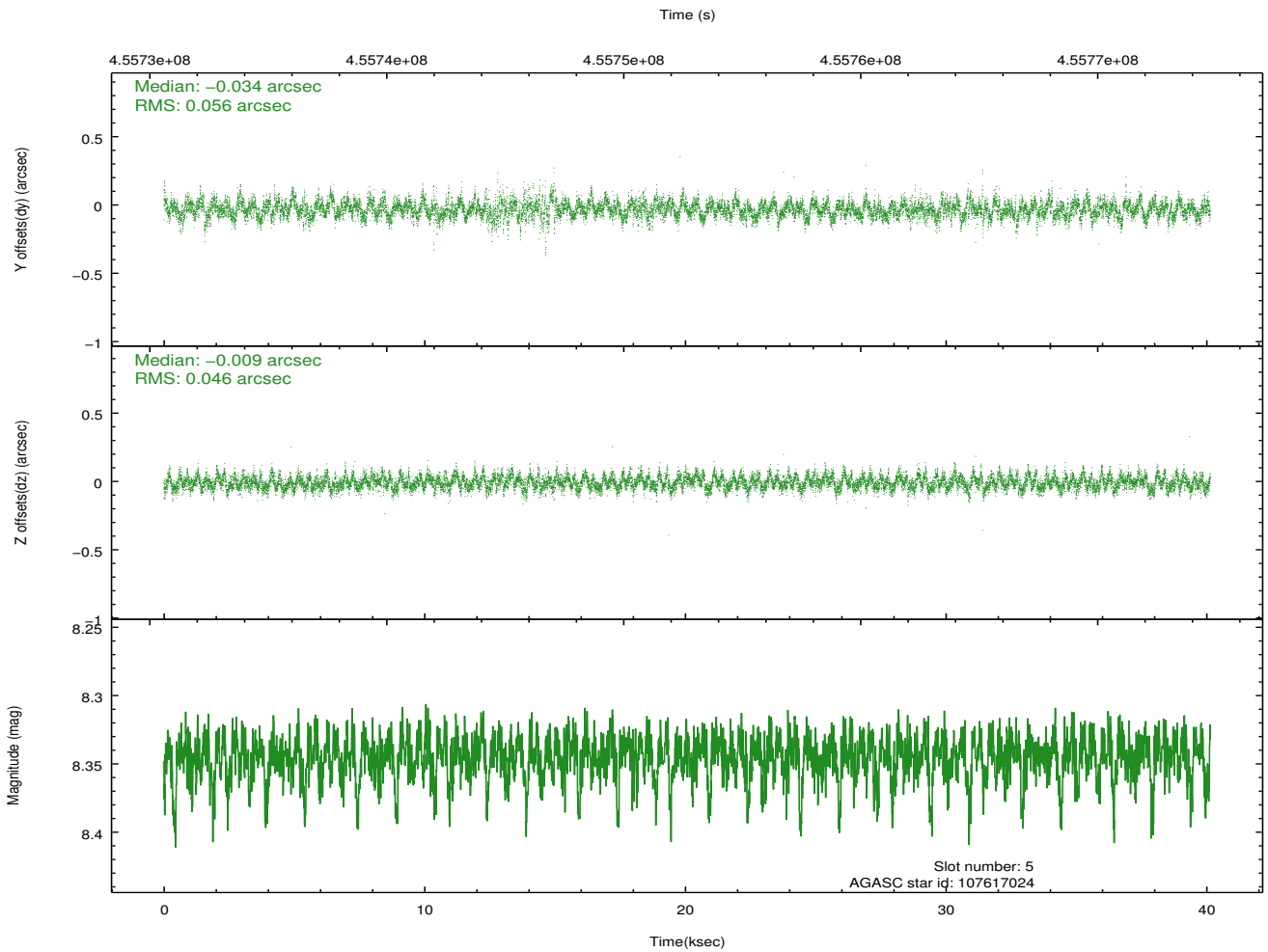
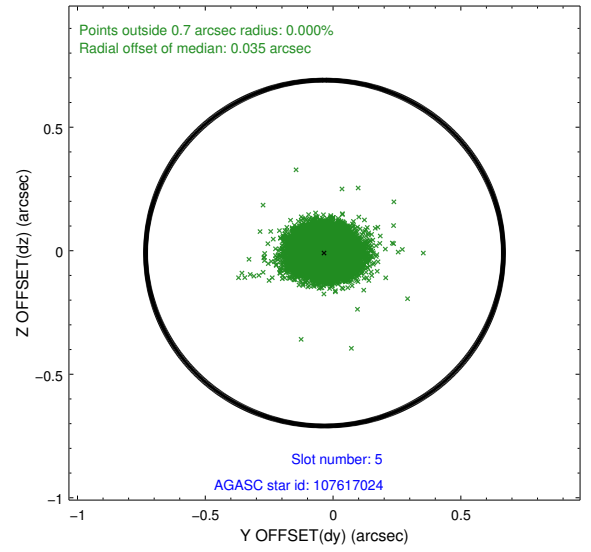
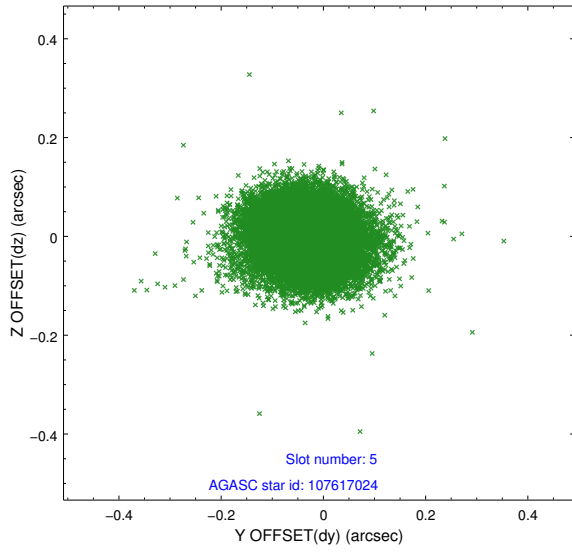
2.4.1 Slot 3



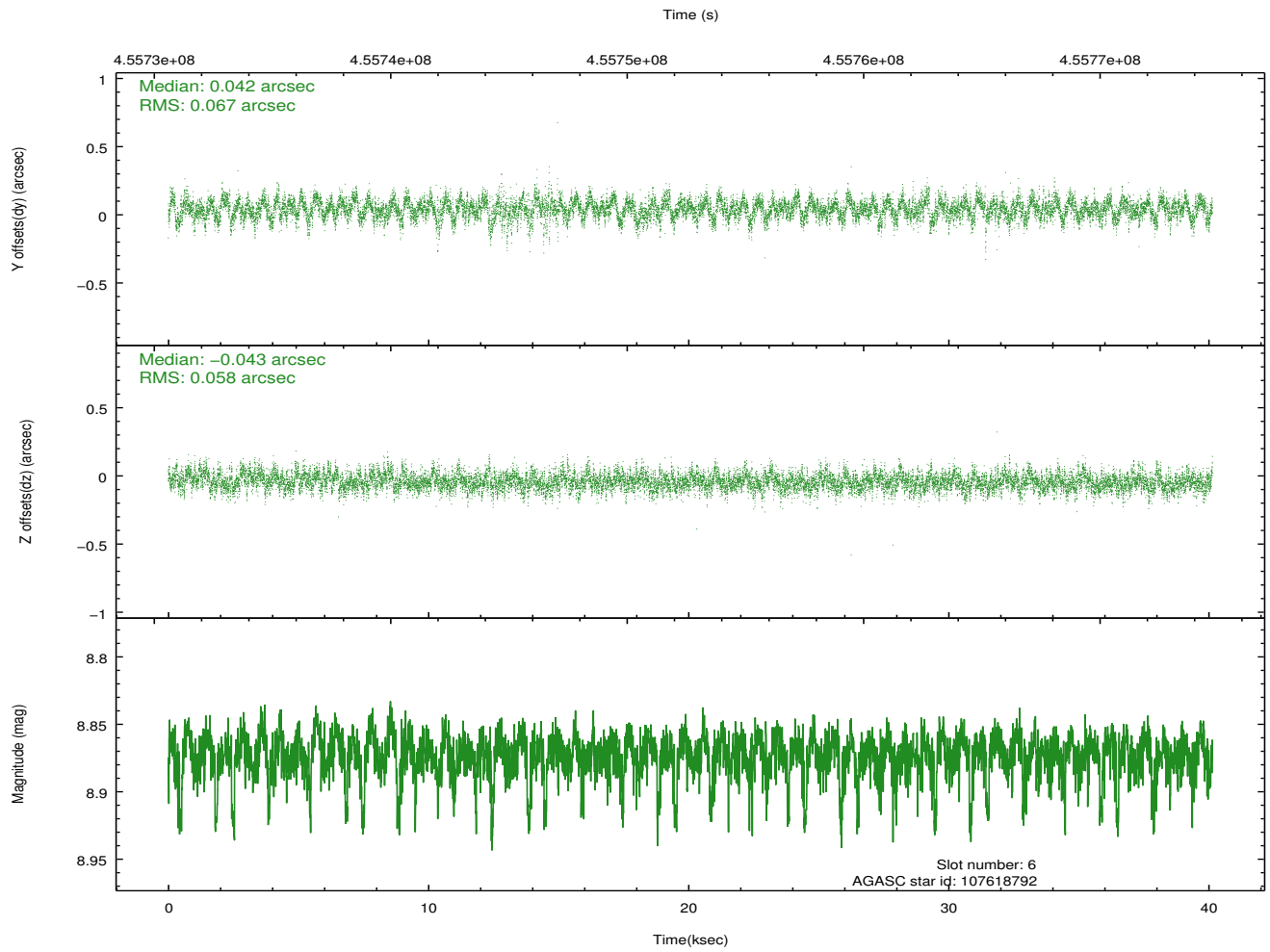
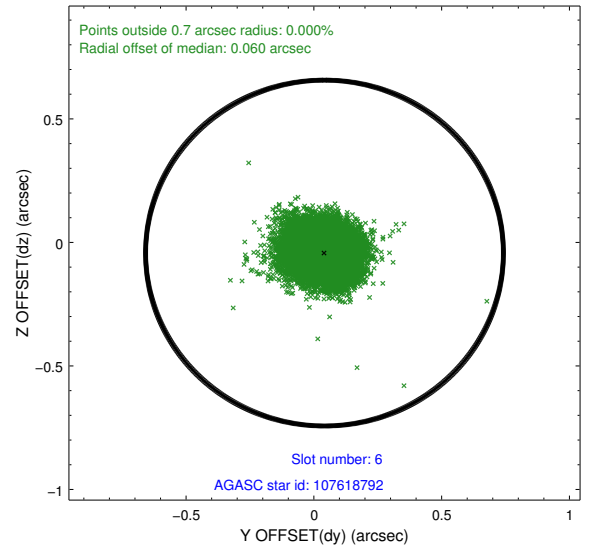
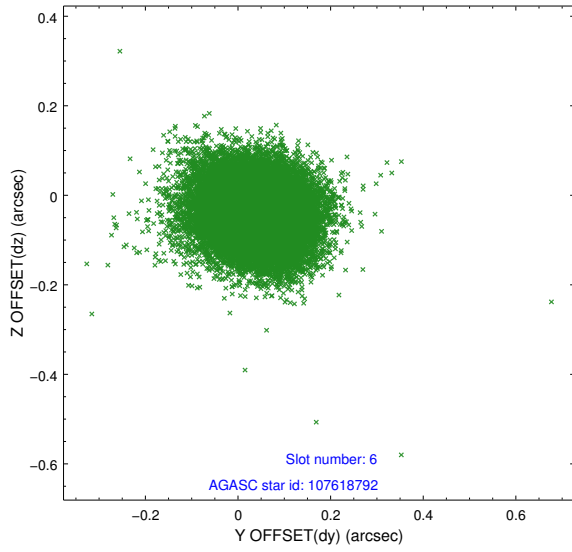
2.4.2 Slot 4



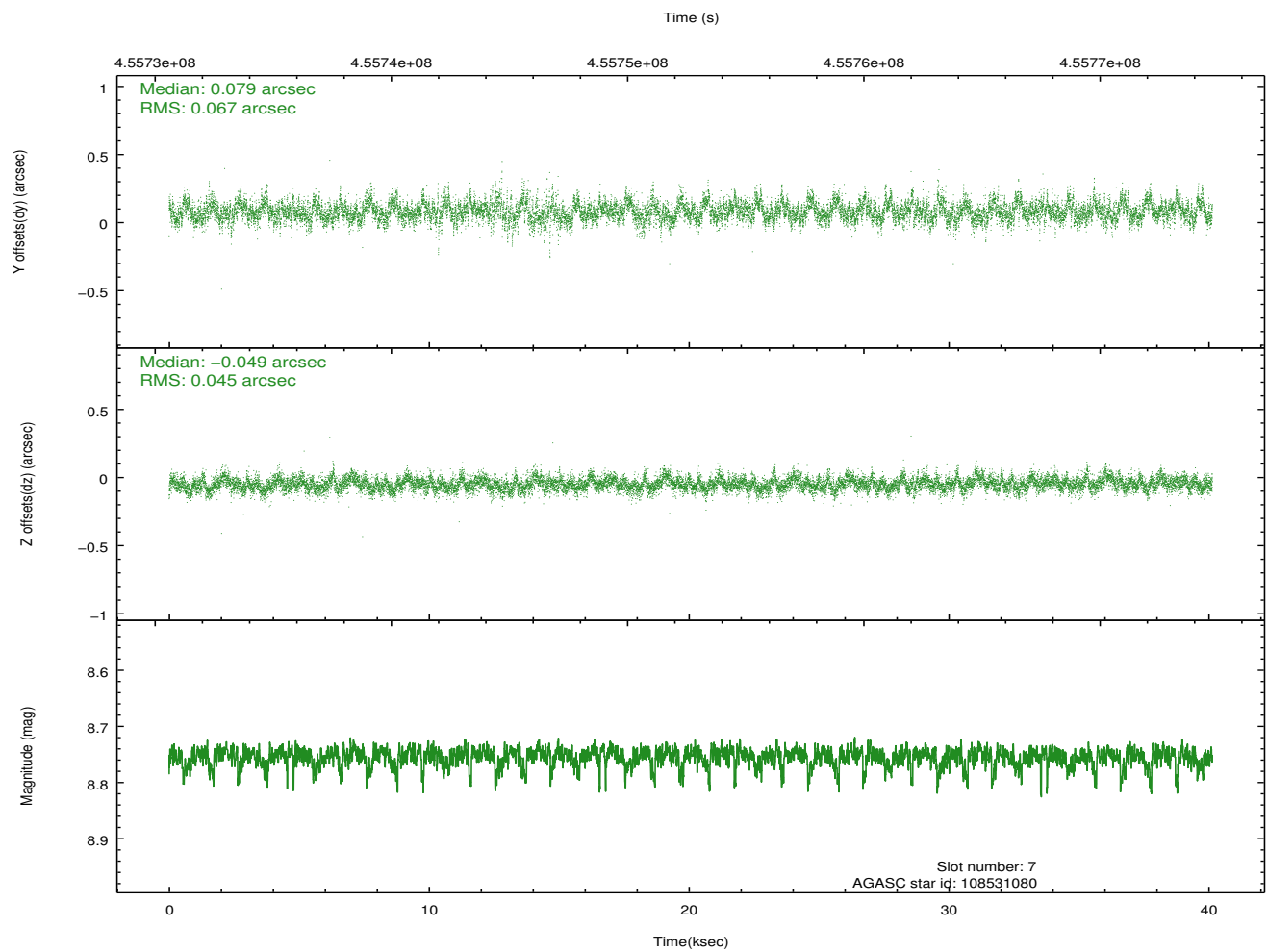
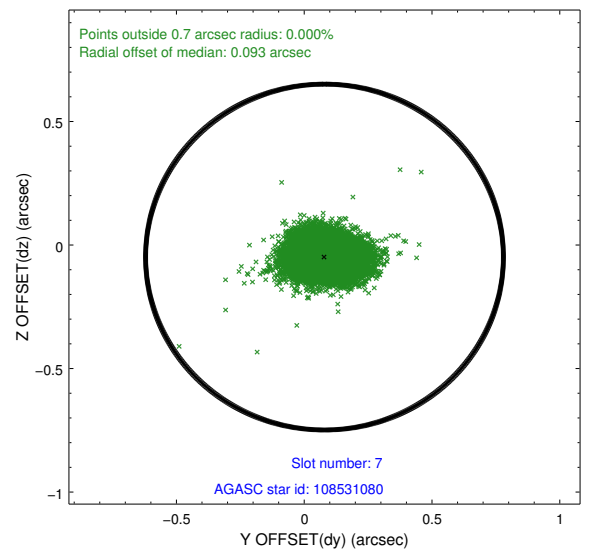
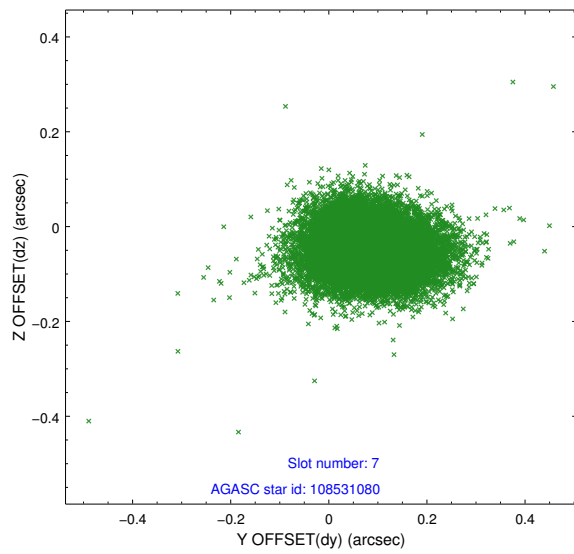
2.4.3 Slot 5



2.4.4 Slot 6

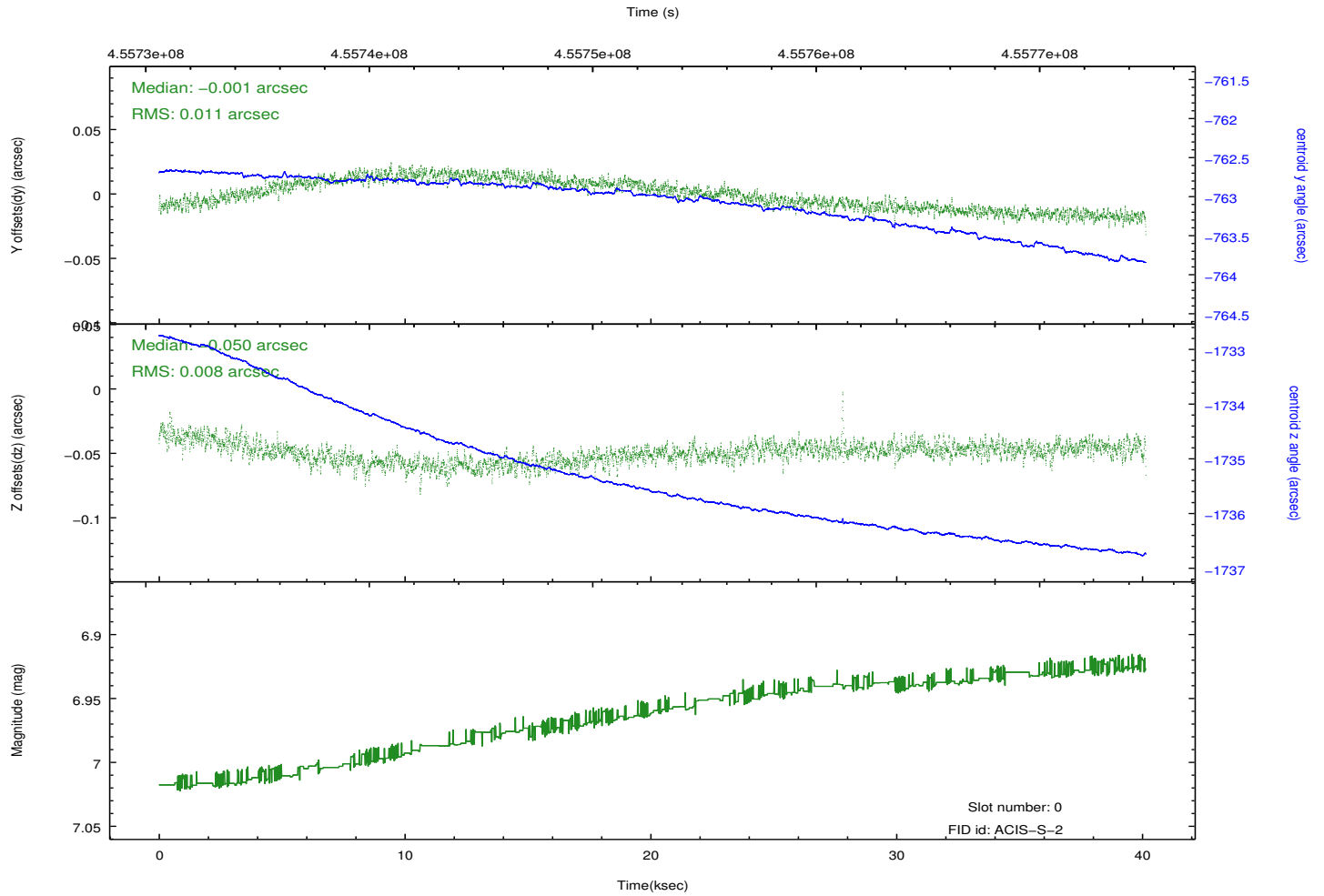
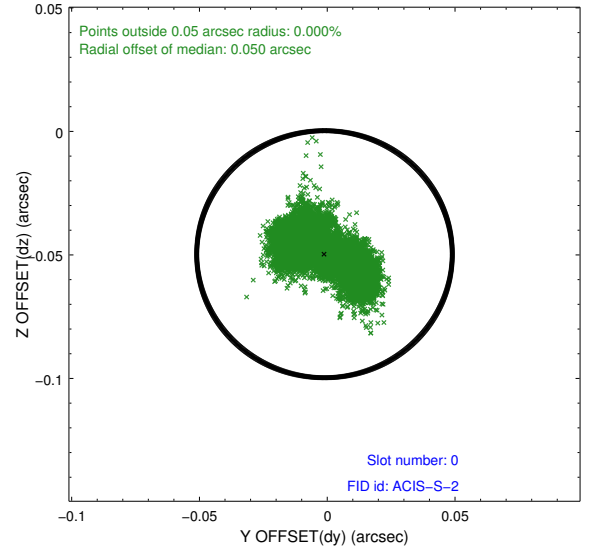
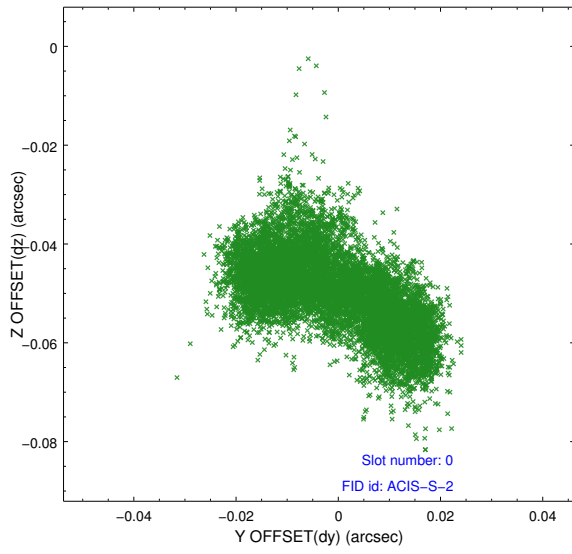


2.4.5 Slot 7

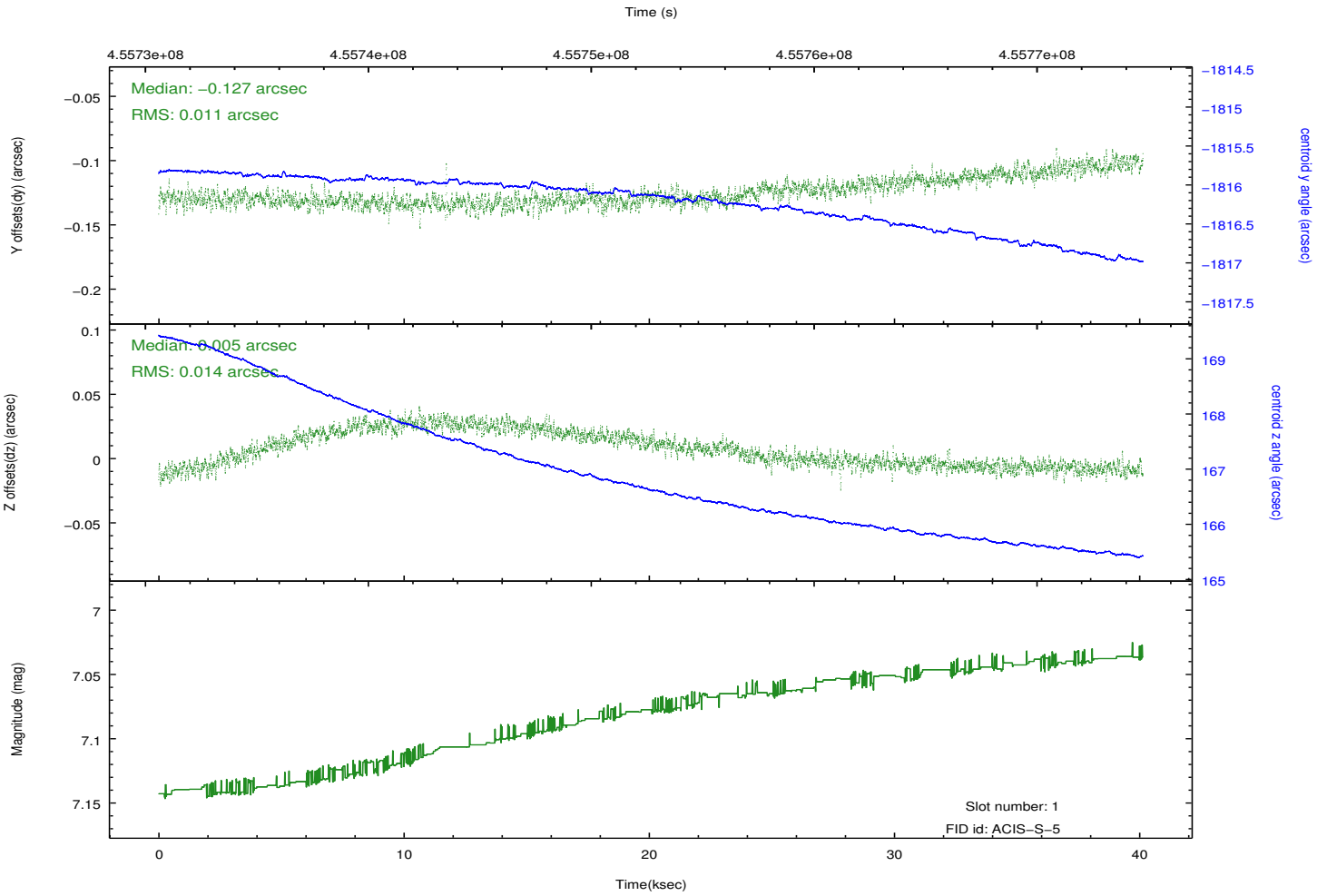
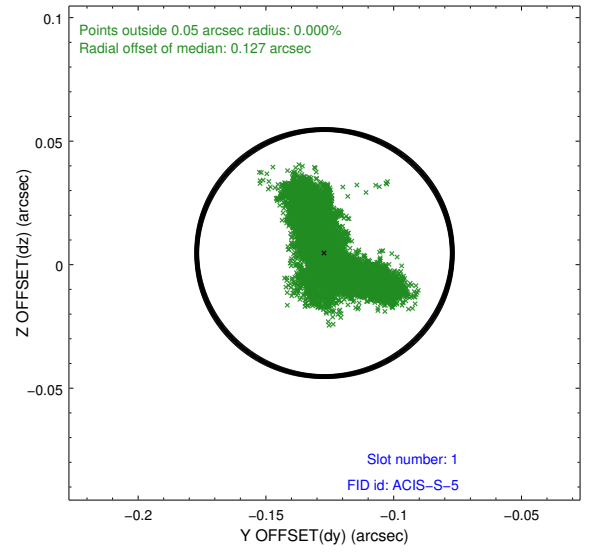
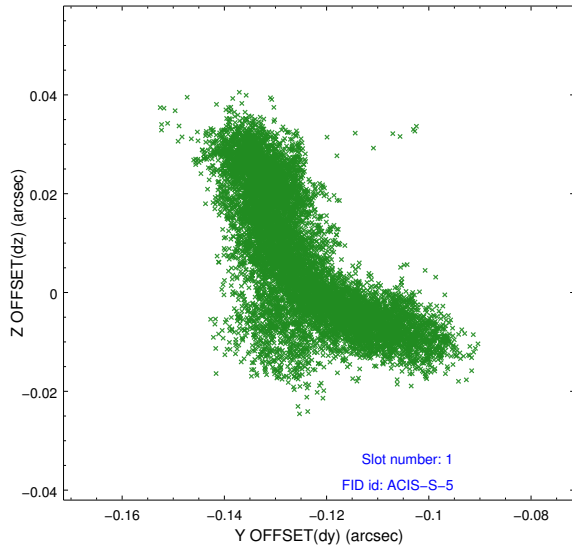


2.5 FID Slots

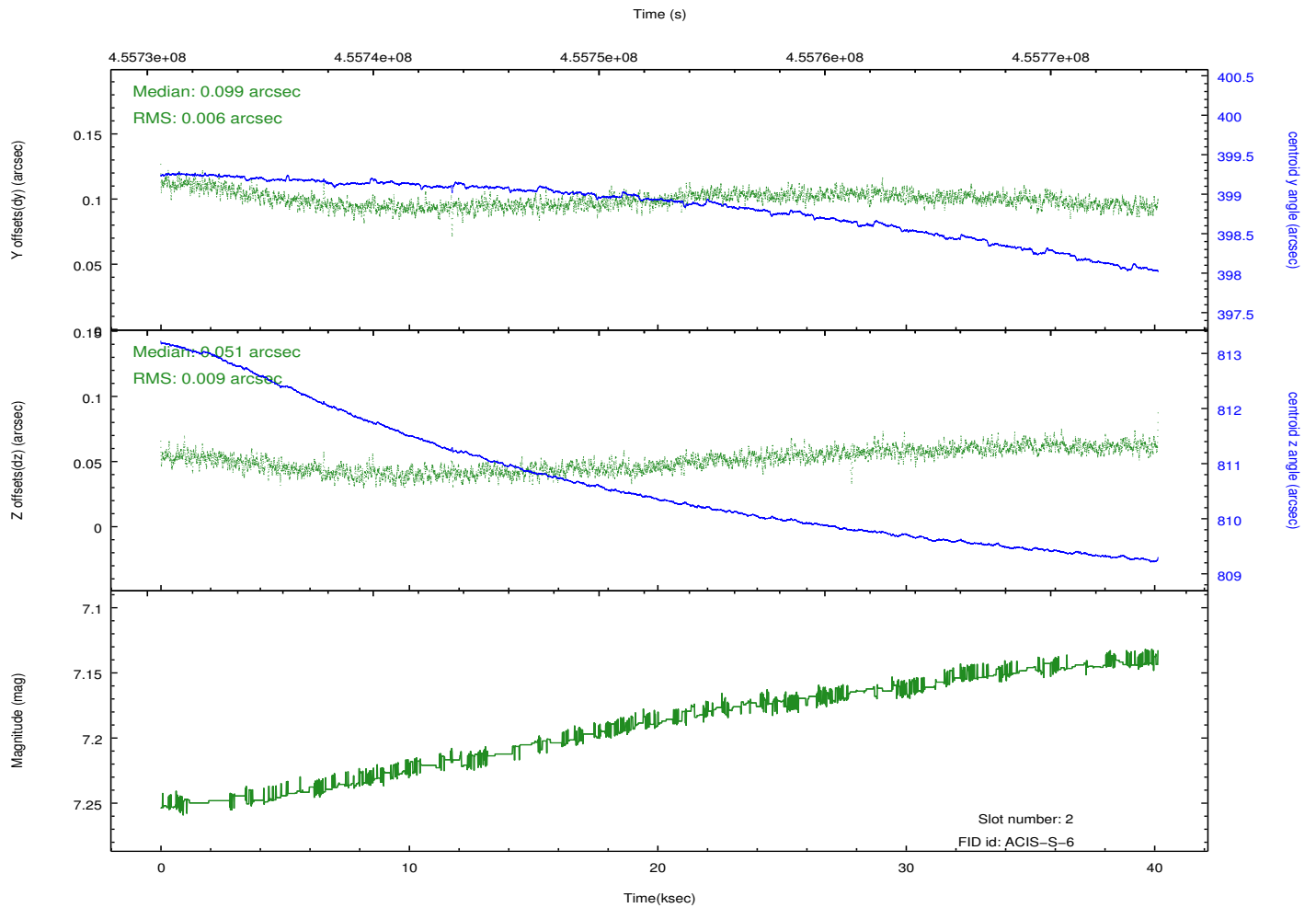
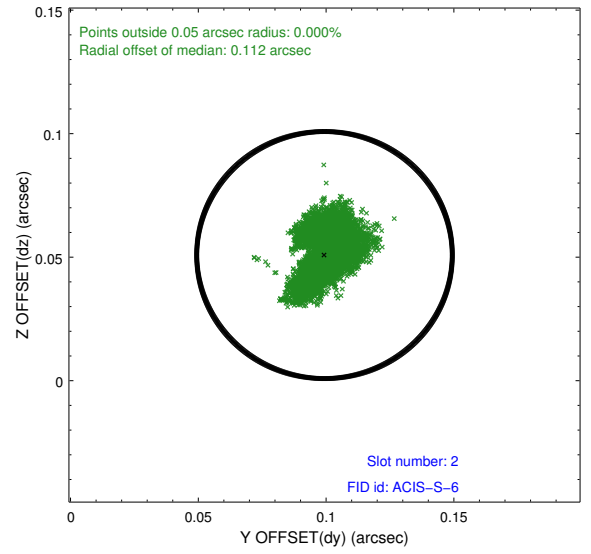
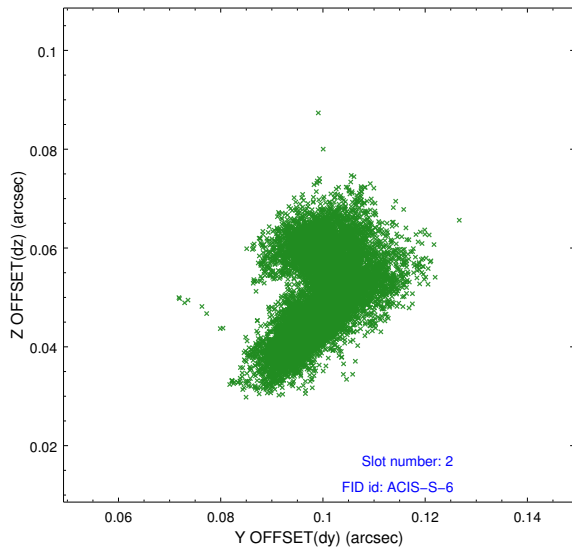
2.5.1 Slot 0



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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.067239275515

A.2 Comments

Monitor constraint met.