

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6721 - L2 Version 2
Chandra X-Ray Center

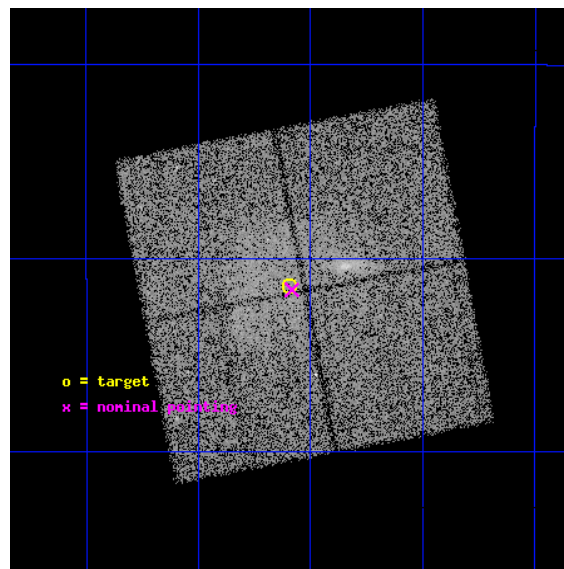
L2 Processing Date : Apr 10 2012

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1 Front

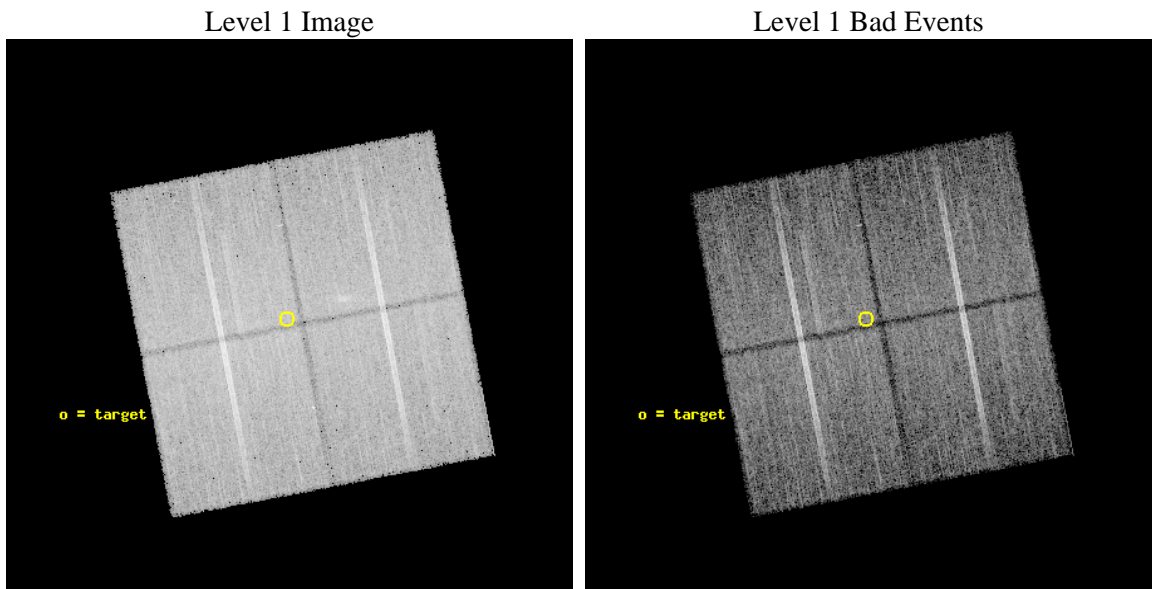
seq_num	500668	Sequence number
obs_id	6721	Observation id
title	Nature of a Maser-Emitting and EGRET Source SNR: SNR-Molecular Cloud Interaction	Proposal title
observer	Hiroshi Nakajima	Principal investigator
object	CTB 37A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.649167	Observer's specified target RA [deg]
dec_targ	-38.5235	Observer's specified target Dec [deg]
ra_nom	258.64589953389	Nominal RA [deg]
dec_nom	-38.527356819929	Nominal Dec [deg]
roll_nom	259.18380668539	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20168.518194675	Sum of GTIs [s]
liveltime	19905.001656615	Livetime [s]
ontime0	20168.518174708	Sum of GTIs [s]
ontime1	20171.659194827	Sum of GTIs [s]
ontime2	20174.800155163	Sum of GTIs [s]
ontime3	20168.518194675	Sum of GTIs [s]
l2events	92729	Number of level 2 events



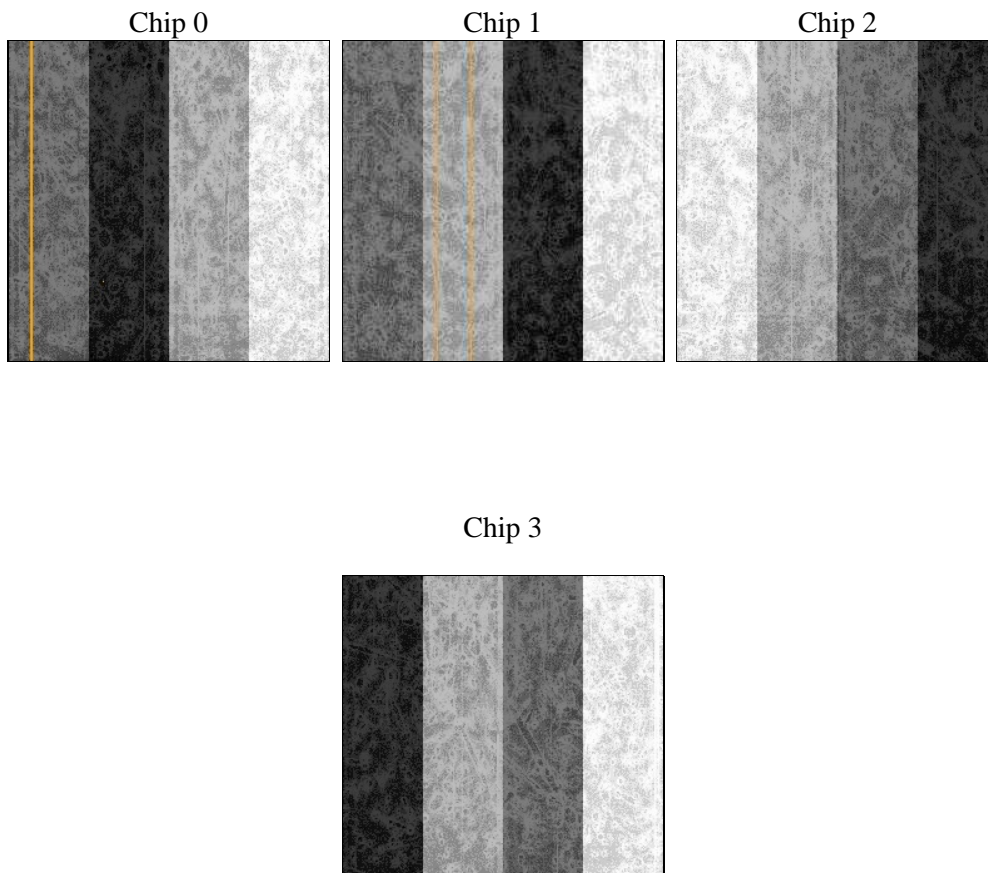
2 OBI

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	8.4.3.1	Processing system revision	ontime	20168.518194675	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20168.518174708	Sum of GTIs [s]
date	2012-04-11T01:13:17	Date and time of file creation	ontime1	20171.659194827	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20174.800155163	Sum of GTIs [s]
			ontime3	20168.518194675	Sum of GTIs [s]
			l1events	767513	Number of level 1 events

2.1.4 Events

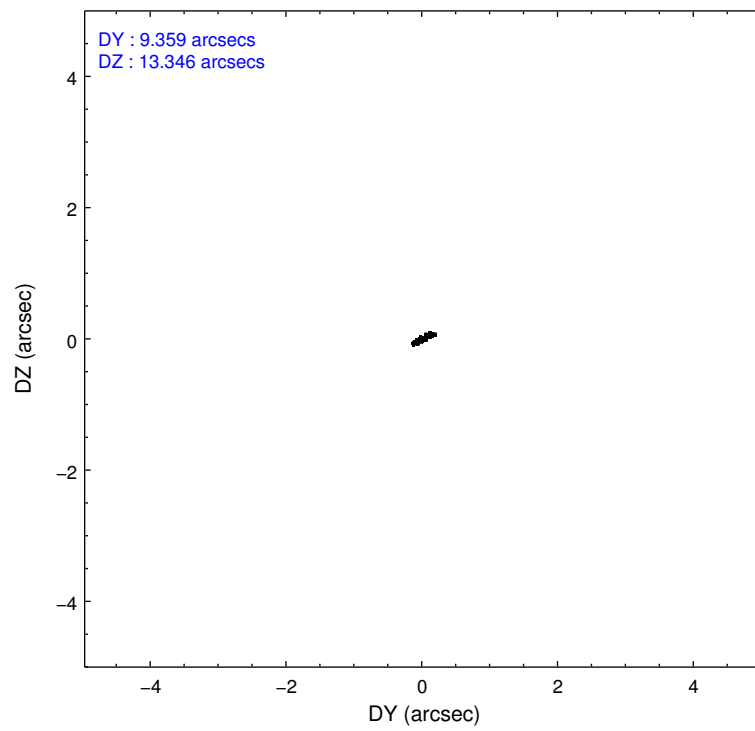
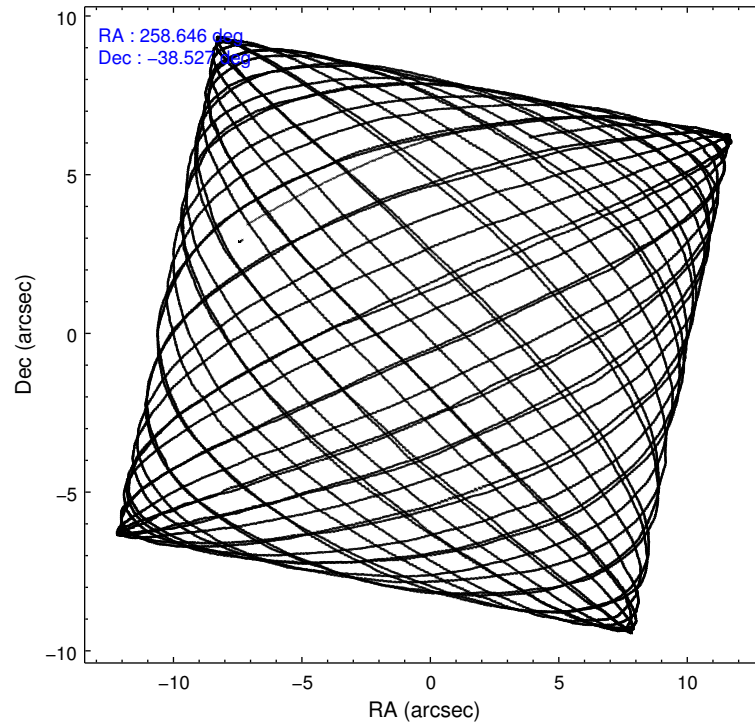
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	182612	184240	199716	200945
rejected events	157505	156410	172827	174008
rejected %	86%	84%	86%	86%

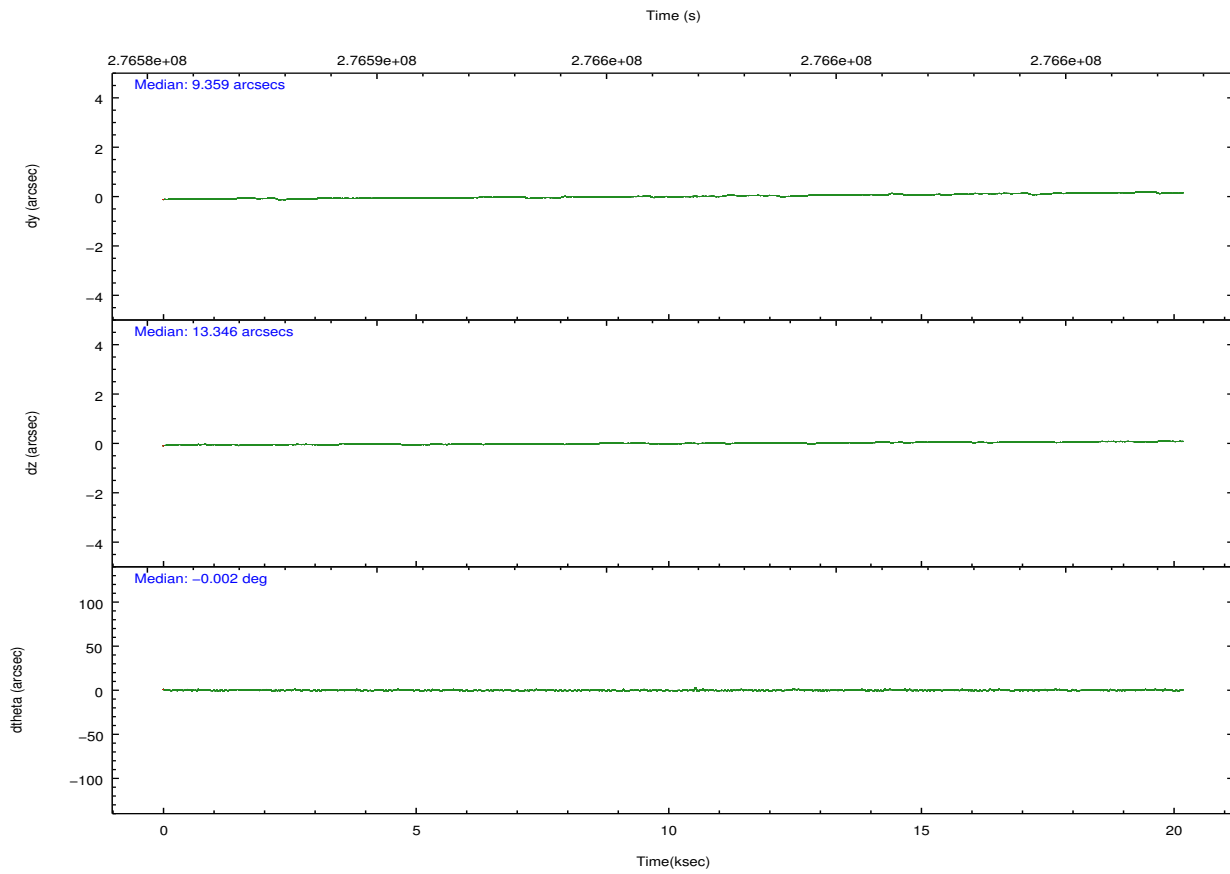
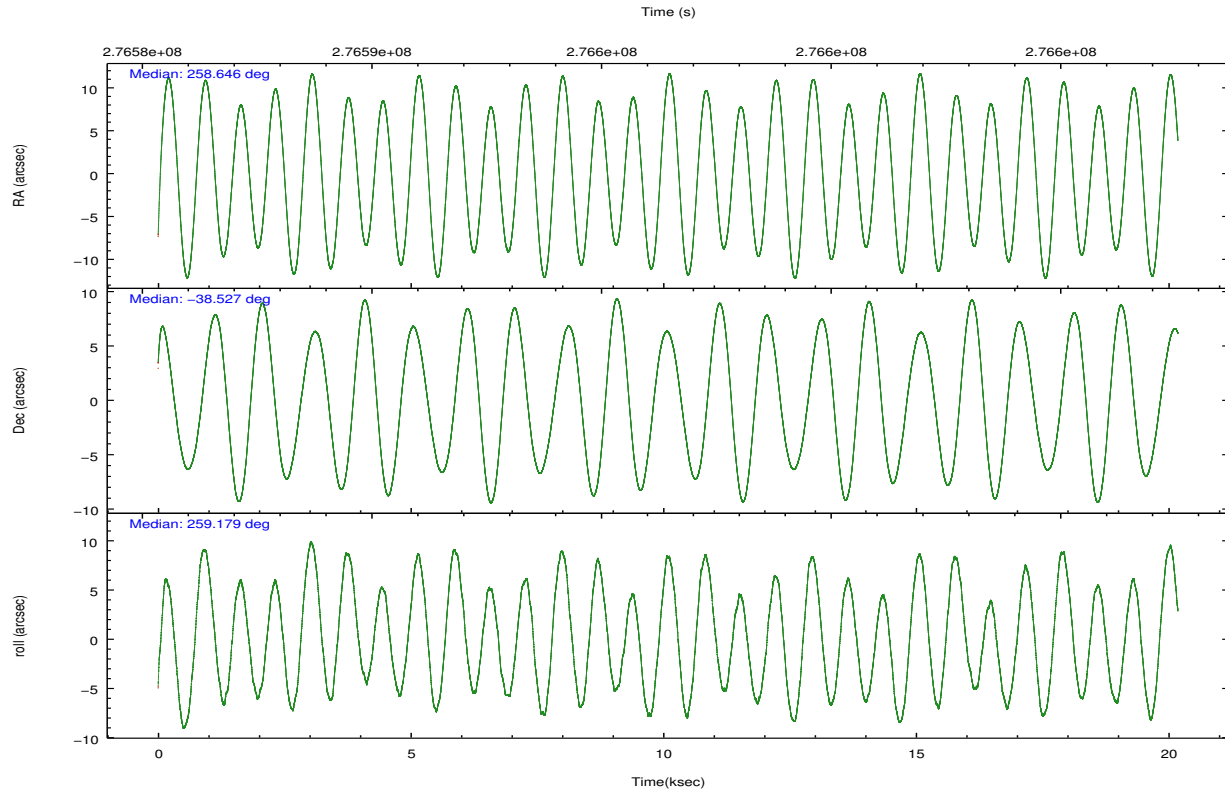
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	12027	12673	14227	13915
	6%	6%	7%	6%
grade 1 events	102	104	162	147
	0%	0%	0%	0%
grade 2 events	5537	6088	5238	5168
	3%	3%	2%	2%
grade 3 events	2412	2617	2322	2313
	1%	1%	1%	1%
grade 4 events	2117	2577	2266	2380
	1%	1%	1%	1%
grade 5 events	7697	8454	7590	9039
	4%	4%	3%	4%
grade 6 events	3996	4858	3807	4159
	2%	2%	1%	2%
grade 7 events	148724	146869	164104	163824
	81%	79%	82%	81%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	258.634240	258.6458995338922	Subarray requested	NONE	NONE
[deg] Pointing Dec	-38.501535	-38.52735681992917	Alternating exposures requested	N	N
[deg] Pointing Roll	258.967862	259.1838066853926	[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)	276586543.184000	276585207.00497			
Observation start date	2006-10-07T05:34:38	2006-10-07T05:13:27			
[s] Observation end time (MET)	276606543.184000	276607309.59351			
Observation end date	2006-10-07T11:07:58	2006-10-07T11:21:49			
Read mode	TIMED	TIMED			

2.3 Aspect



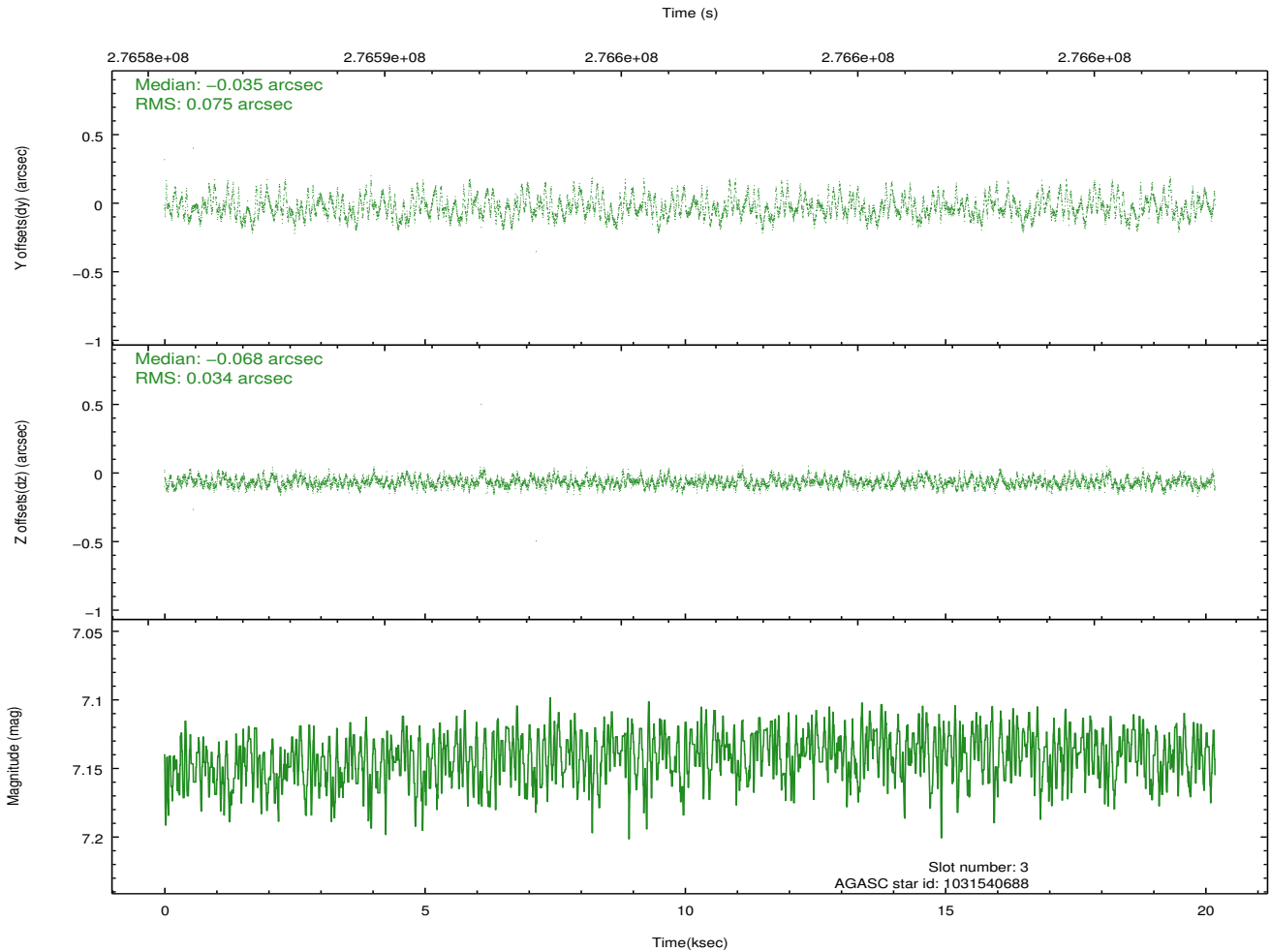
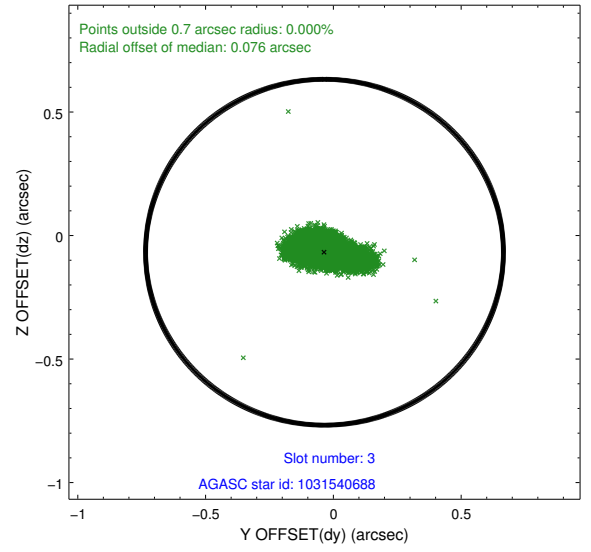
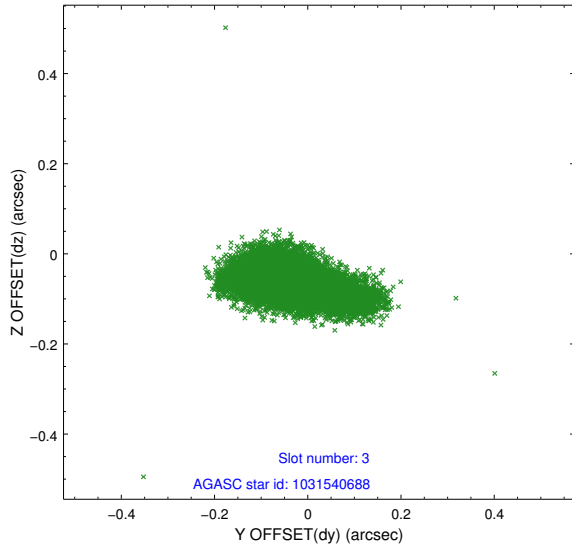


Slot Statistics

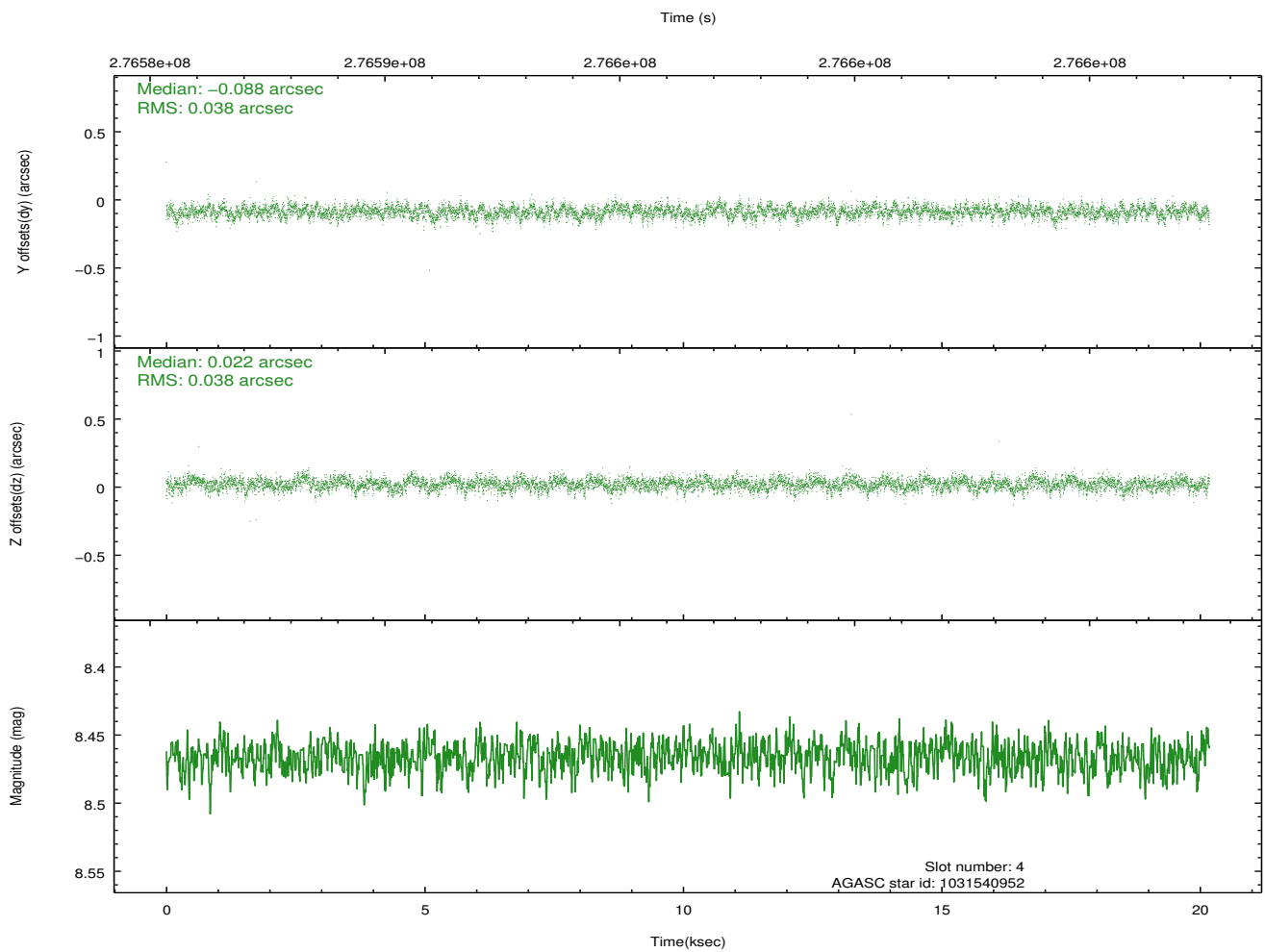
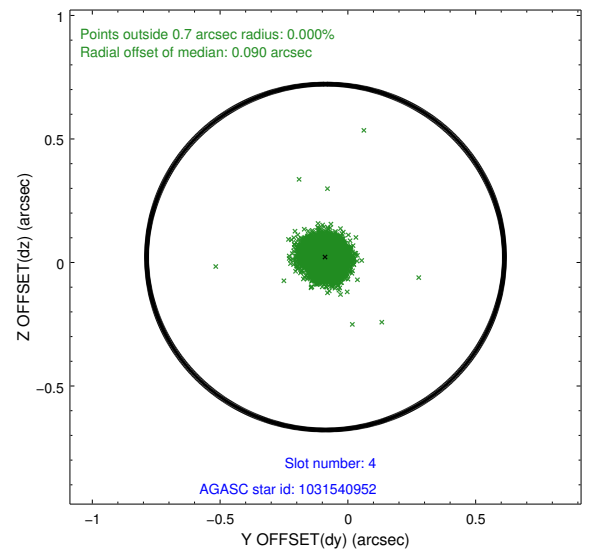
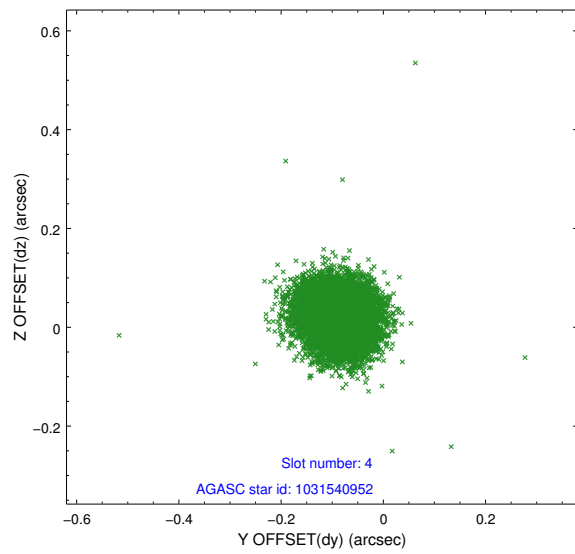
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4922	0.027	0.017	0.007	0.012	0.000000	0.000000	930.27	-836.89
1	FID	ACIS-I-5	7.23	4923	-0.190	0.042	0.006	0.011	0.000000	0.000000	-1817.96	1060.53
2	FID	ACIS-I-6	7.24	4923	0.072	0.011	0.008	0.013	0.000000	0.000000	395.65	1705.21
3	GUIDE	1031540688	7.14	9844	-0.035	-0.068	0.085	0.151	258.843021	-38.212972	-1131.68	380.88
4	GUIDE	1031540952	8.47	9839	-0.088	0.022	0.057	0.092	258.248329	-37.810269	-2230.03	-1553.24
5	GUIDE	1031541992	8.55	9841	-0.057	-0.011	0.070	0.109	259.348449	-38.357588	-886.88	1881.05
6	GUIDE	1031546760	8.26	9843	0.055	-0.037	0.052	0.085	258.059719	-38.284628	-450.34	-1741.76
7	GUIDE	1031545688	8.59	9842	0.122	0.093	0.079	0.125	259.343302	-39.044115	1545.64	2321.29

2.4 Star Slots

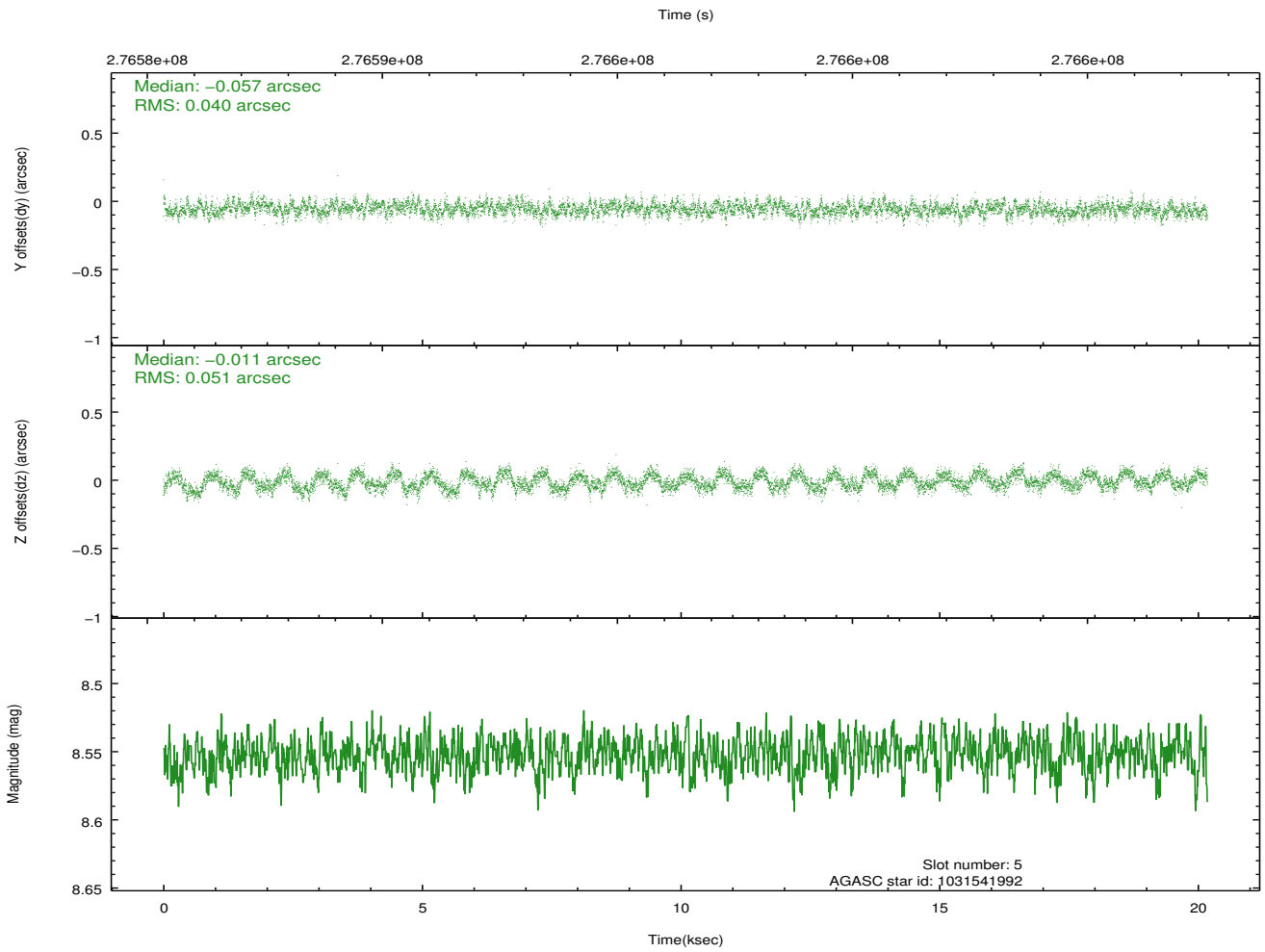
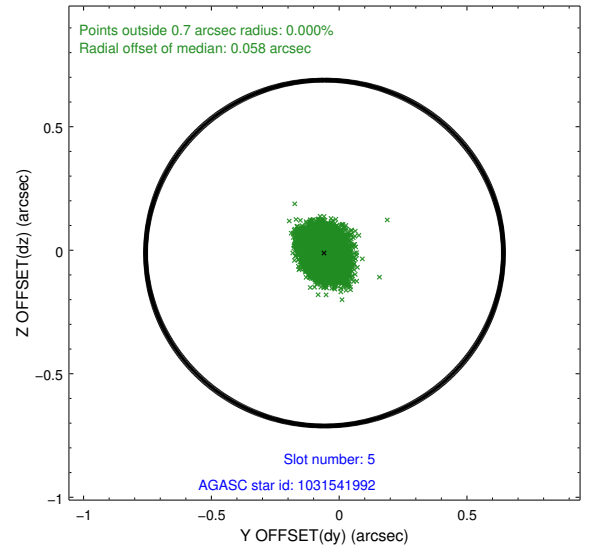
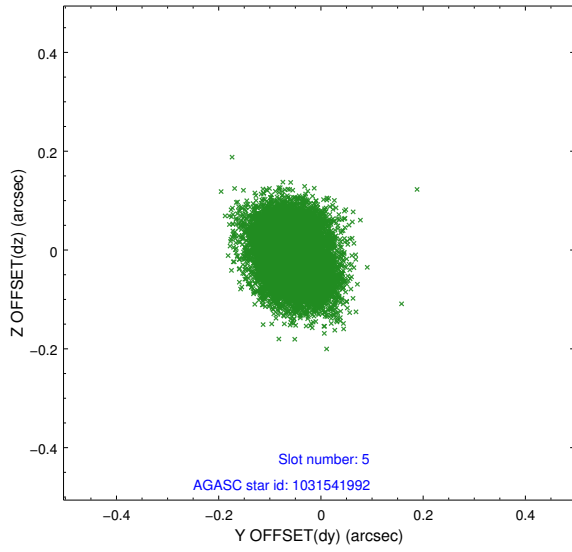
2.4.1 Slot 3



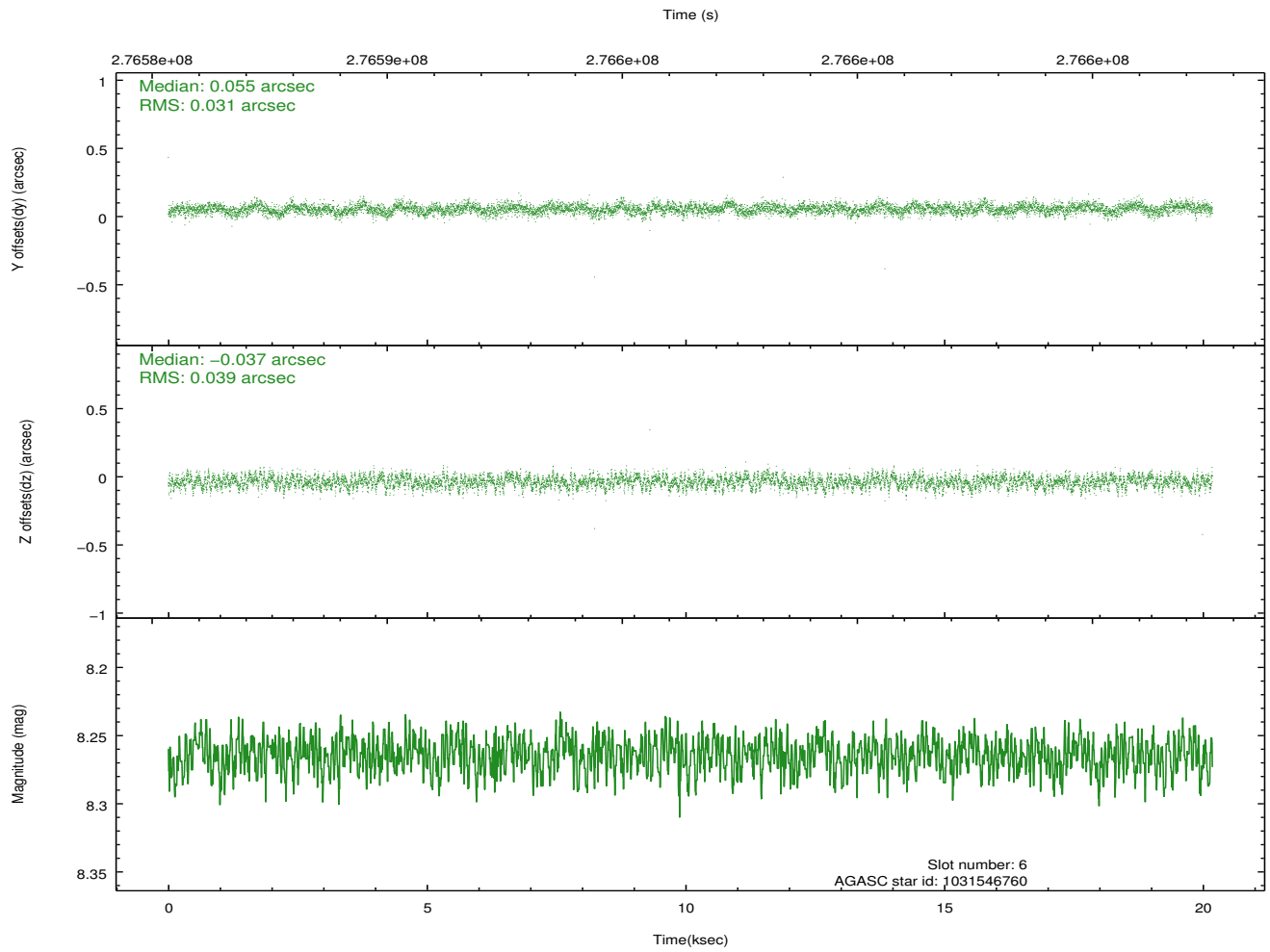
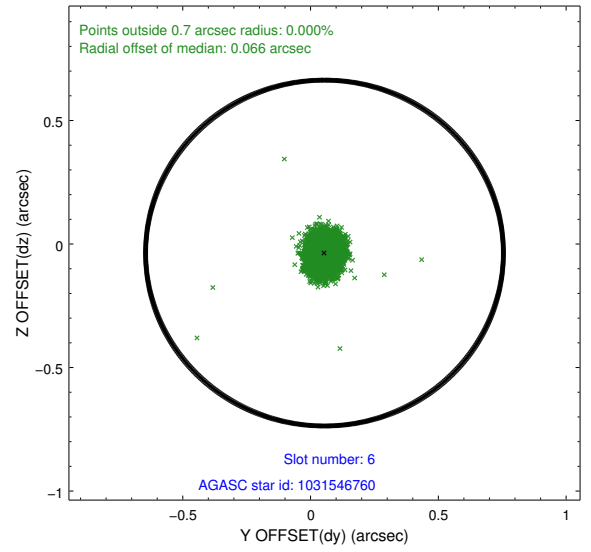
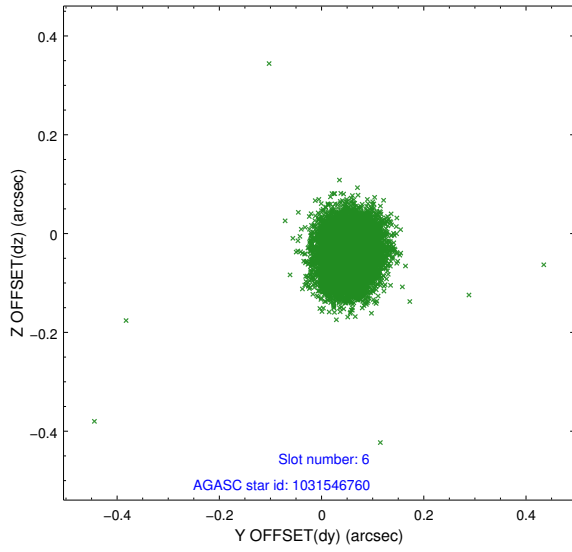
2.4.2 Slot 4



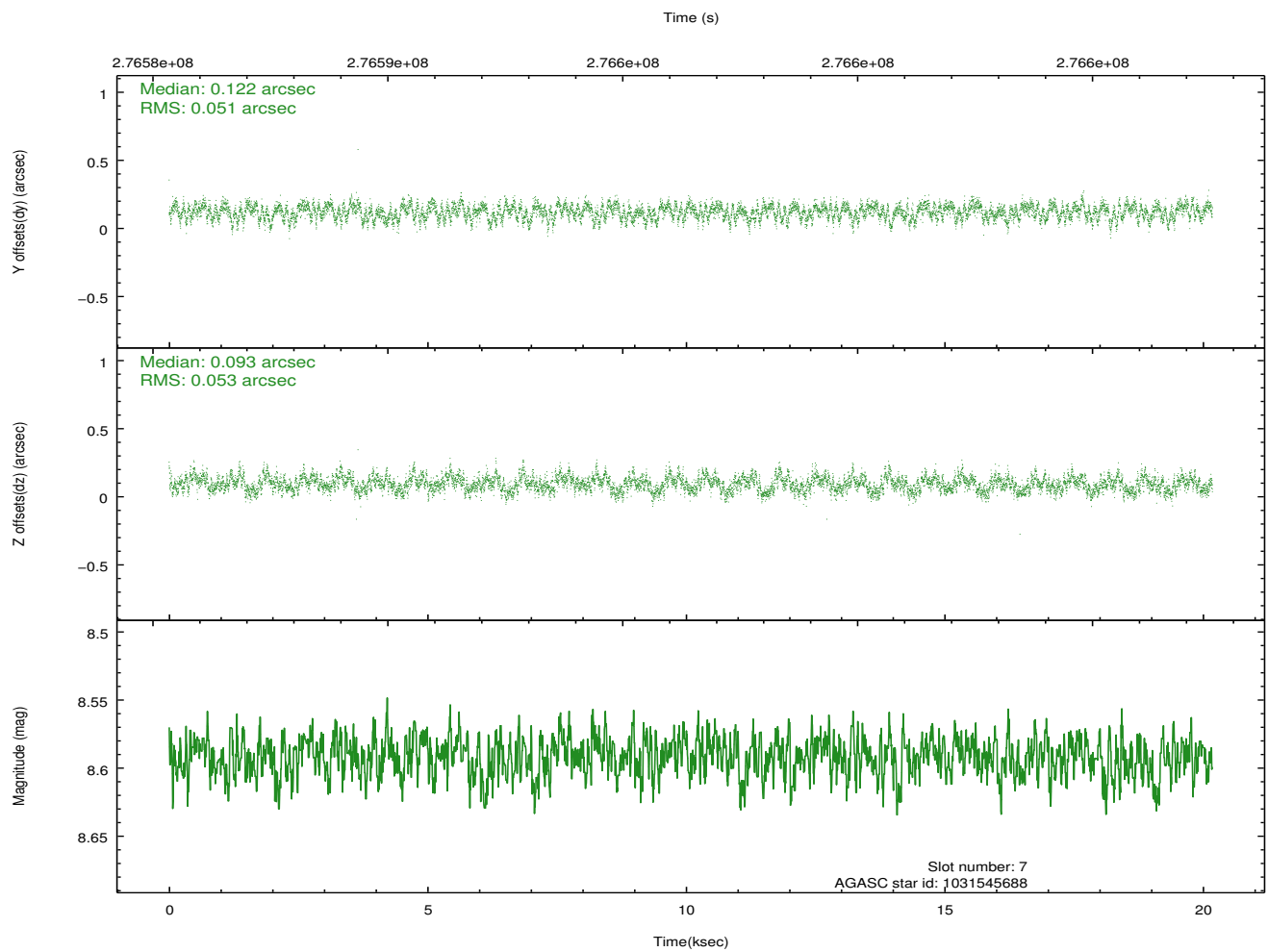
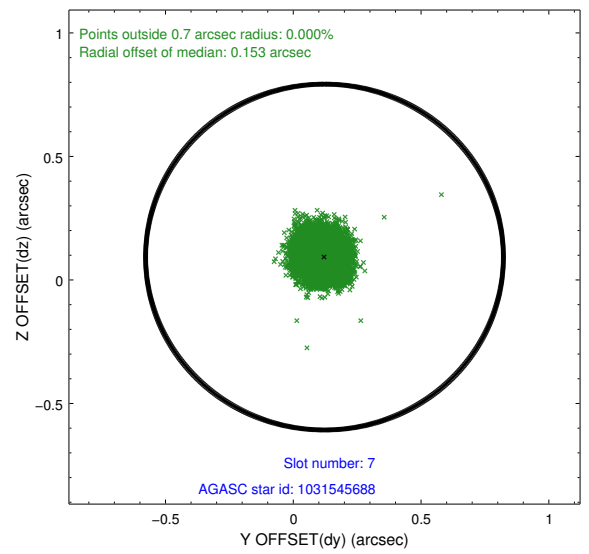
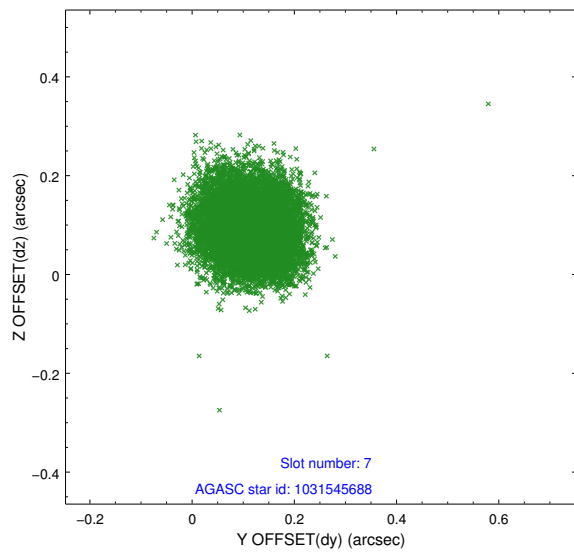
2.4.3 Slot 5



2.4.4 Slot 6

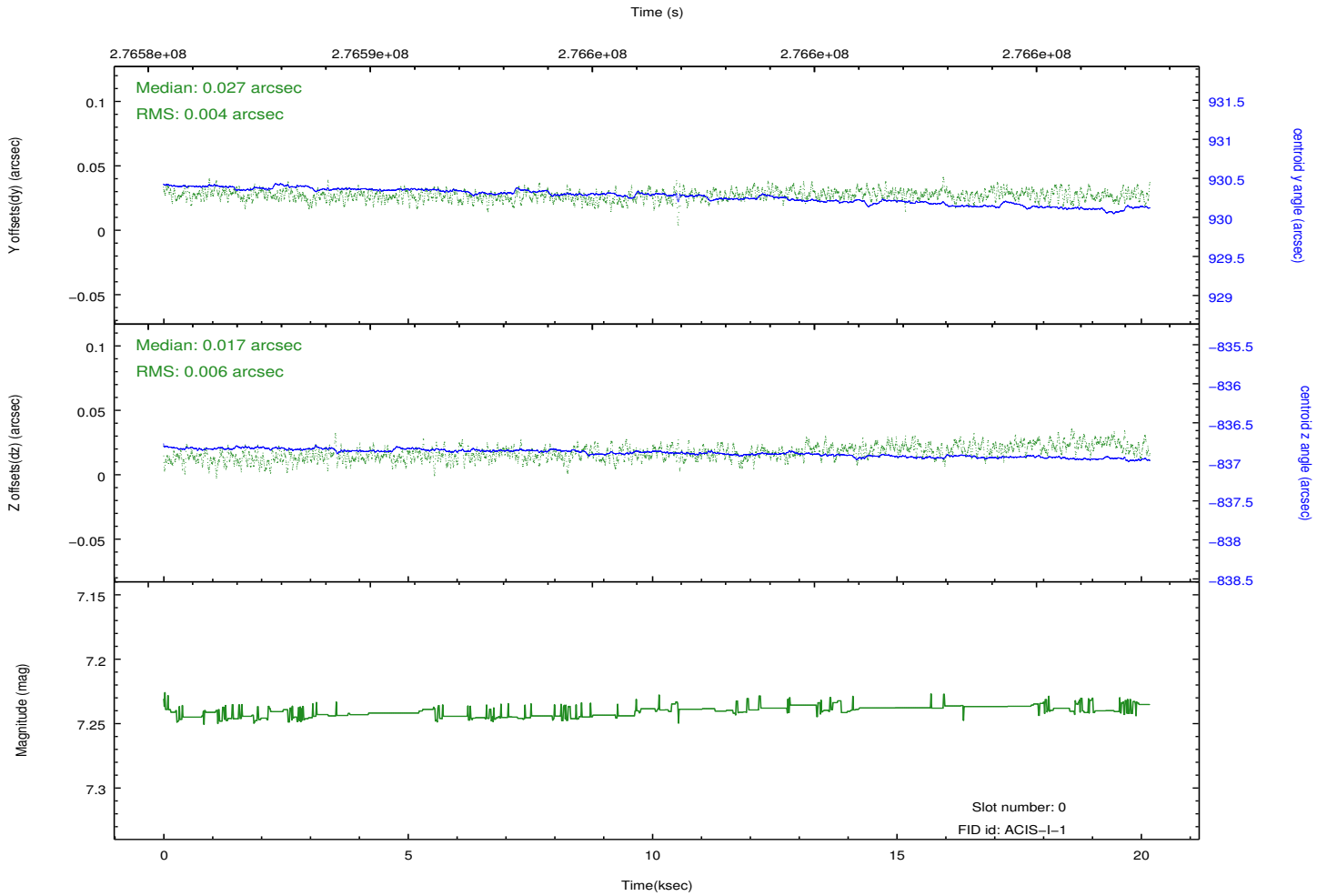
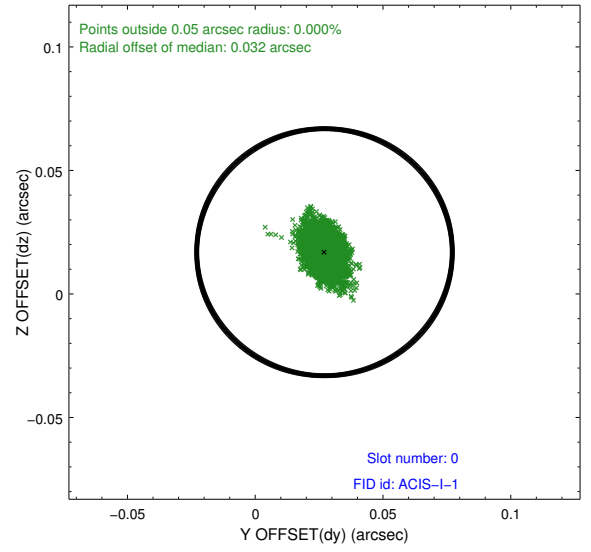
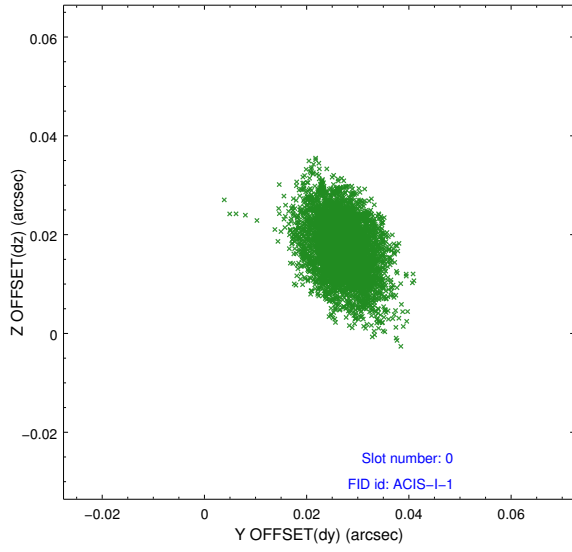


2.4.5 Slot 7

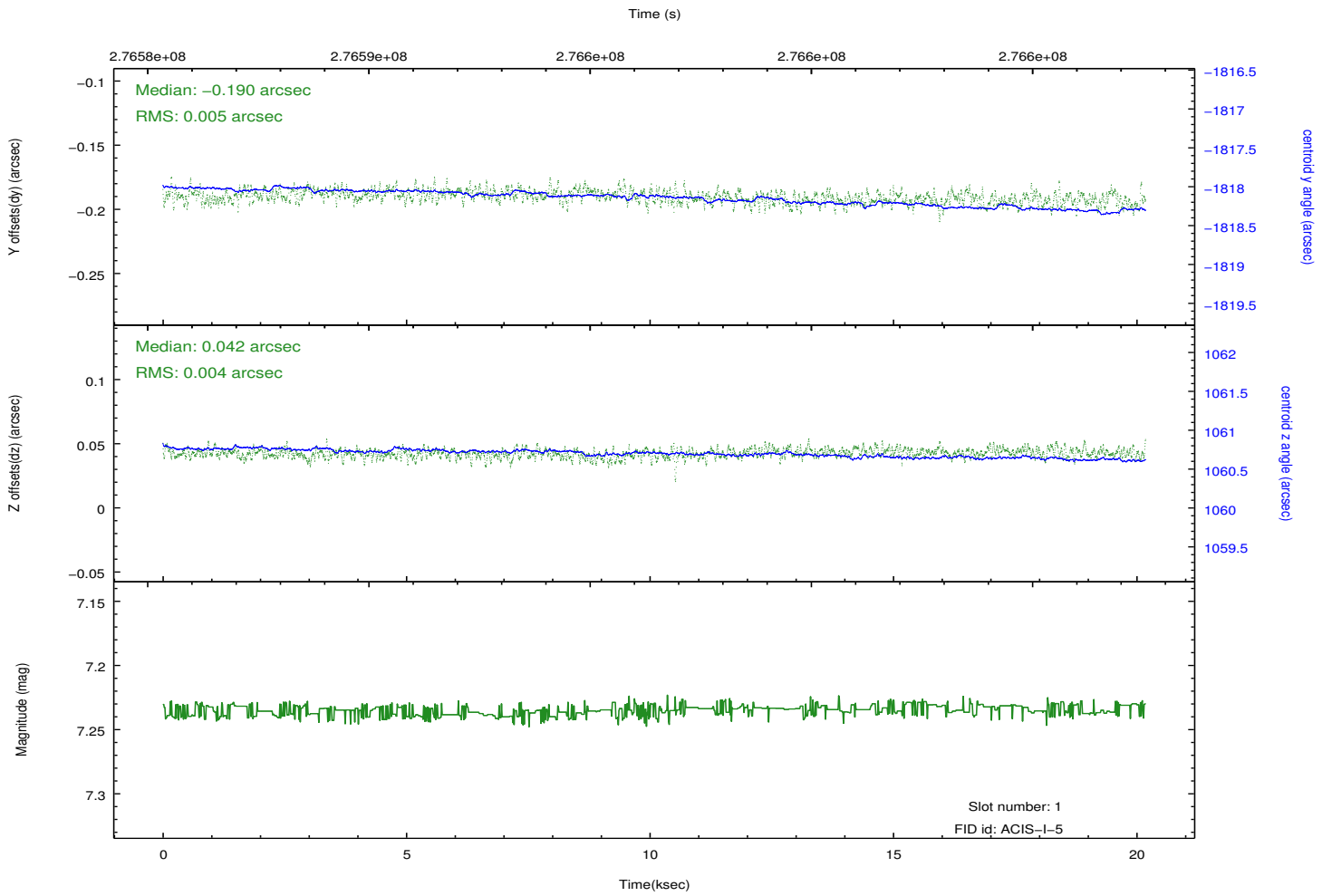
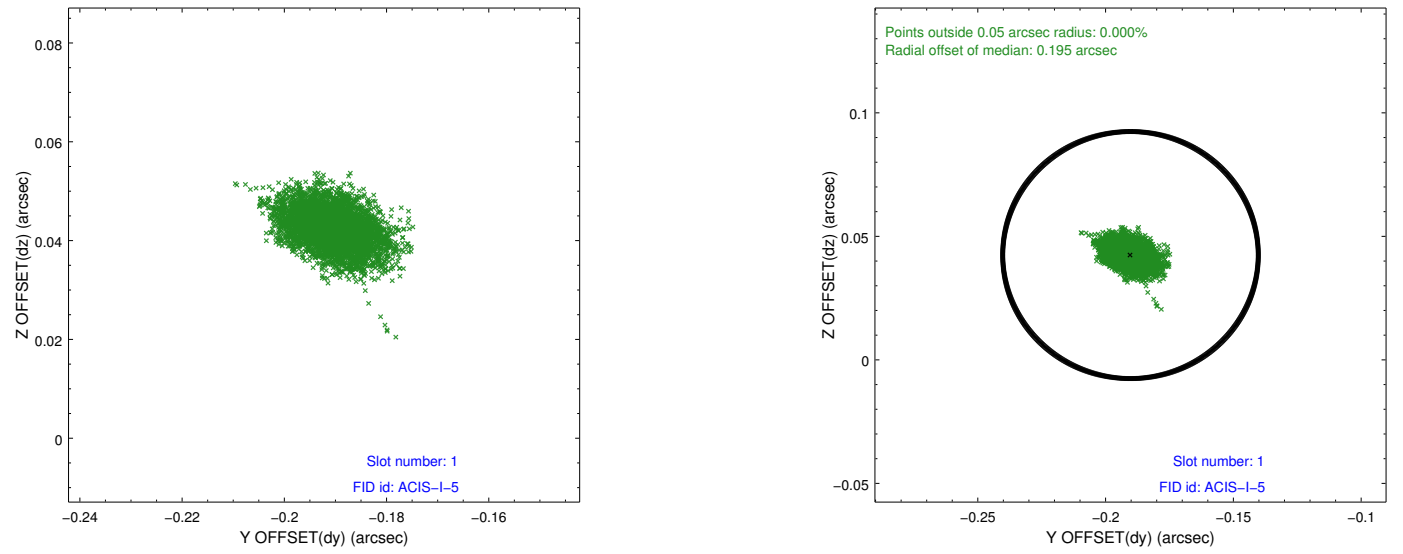


2.5 FID Slots

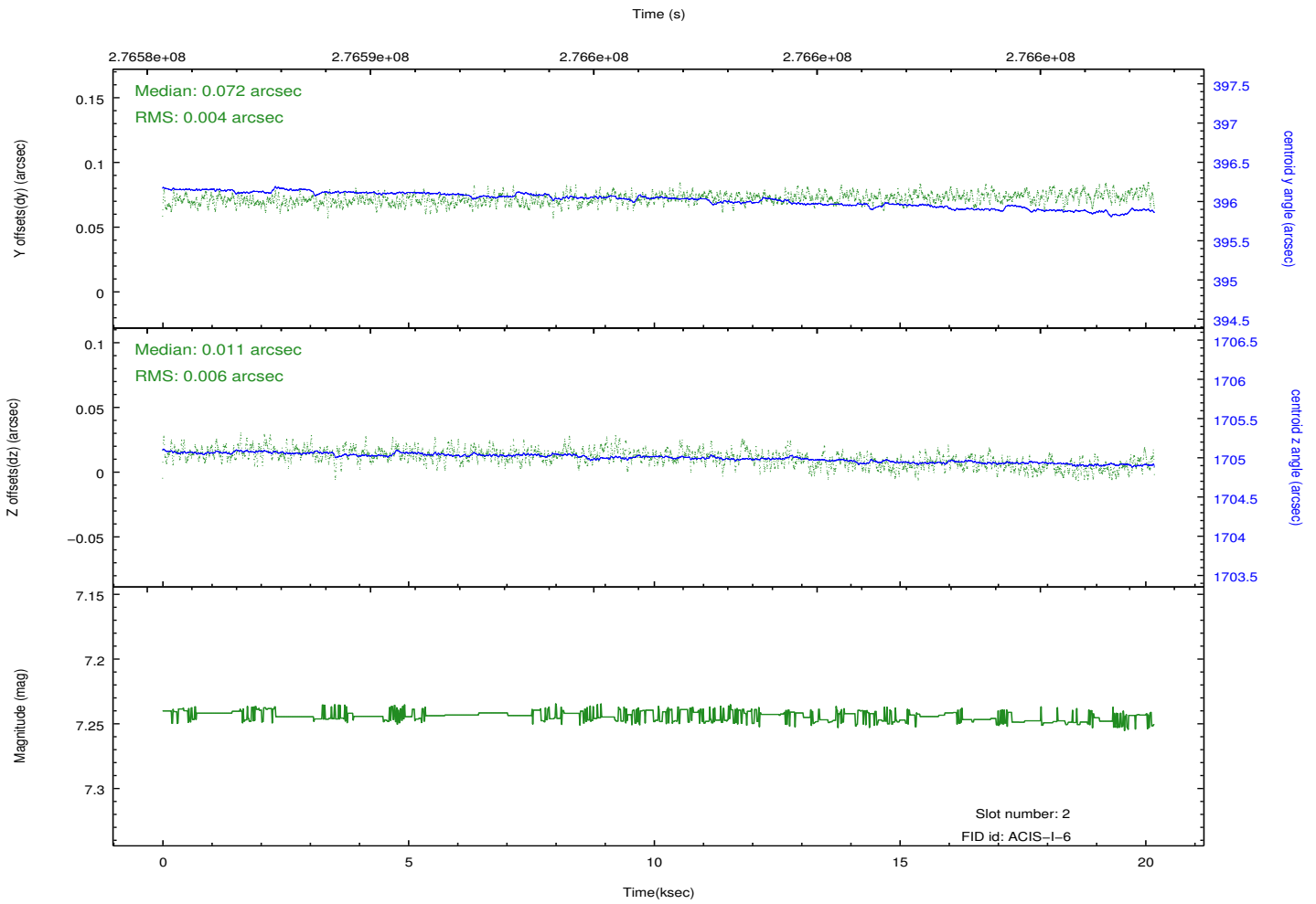
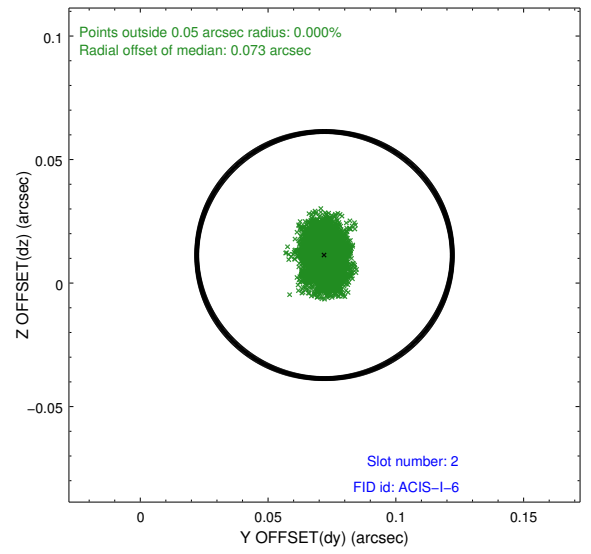
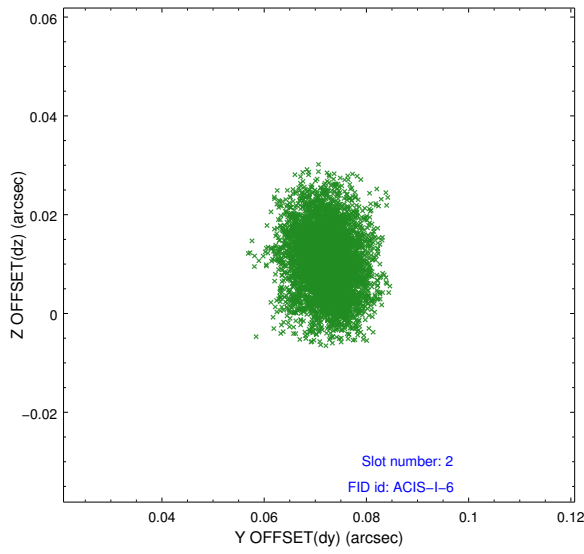
2.5.1 Slot 0



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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1685181

A.2 Comments