

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7327 - L2 Version 2
Chandra X-Ray Center

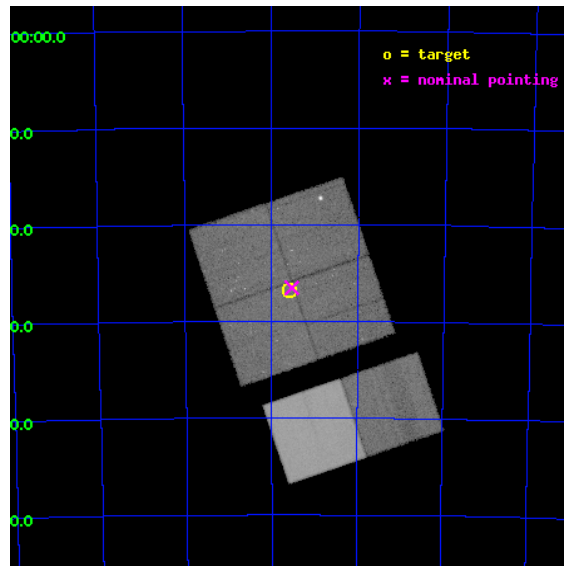
L2 Processing Date : Mar 30 2012

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1 Front

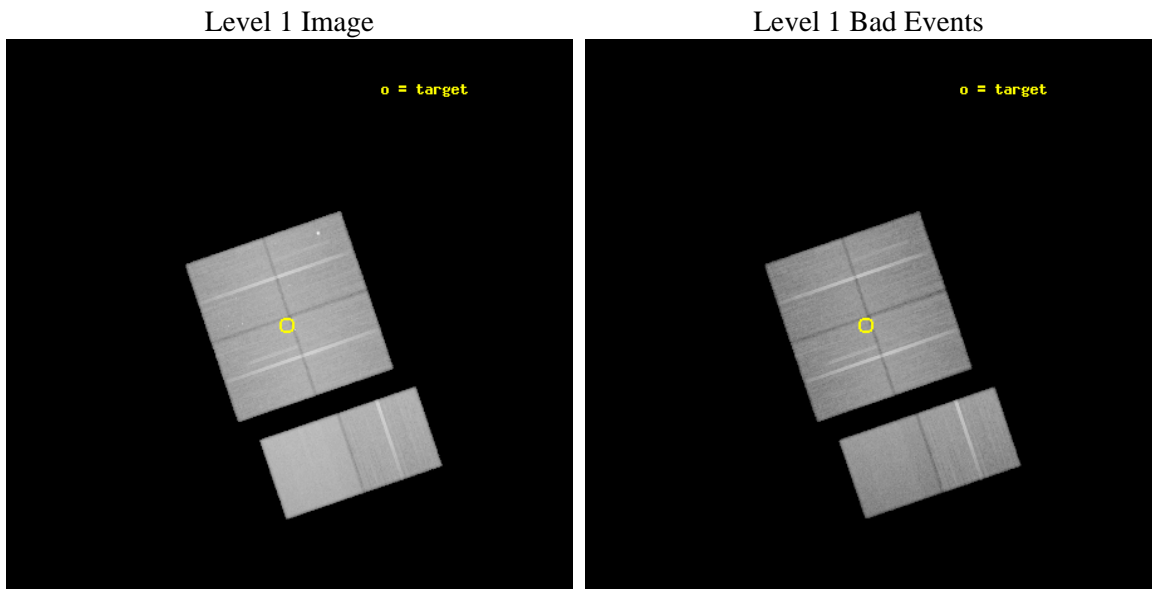
seq_num	600593	Sequence number
obs_id	7327	Observation id
title	A Deep X-ray Survey of the Small Magellanic Cloud	Proposal title
observer	Dr Andreas Zezas	Principal investigator
object	SMC Deep Field 1	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	13.39375	Observer's specified target RA [deg]
dec_targ	-72.445333	Observer's specified target Dec [deg]
ra_nom	13.382227661746	Nominal RA [deg]
dec_nom	-72.442233715336	Nominal Dec [deg]
roll_nom	161.19769066635	Nominal Roll [deg]
revision	2	Processing version of data
ontime	48028.758850783	Sum of GTIs [s]
livetime	47420.589786768	Livetime [s]
ontime0	48028.758880705	Sum of GTIs [s]
ontime1	48025.517890483	Sum of GTIs [s]
ontime2	48025.517880499	Sum of GTIs [s]
ontime3	48028.758850783	Sum of GTIs [s]
ontime6	48028.758850783	Sum of GTIs [s]
ontime7	48028.758850783	Sum of GTIs [s]
l2events	492274	Number of level 2 events



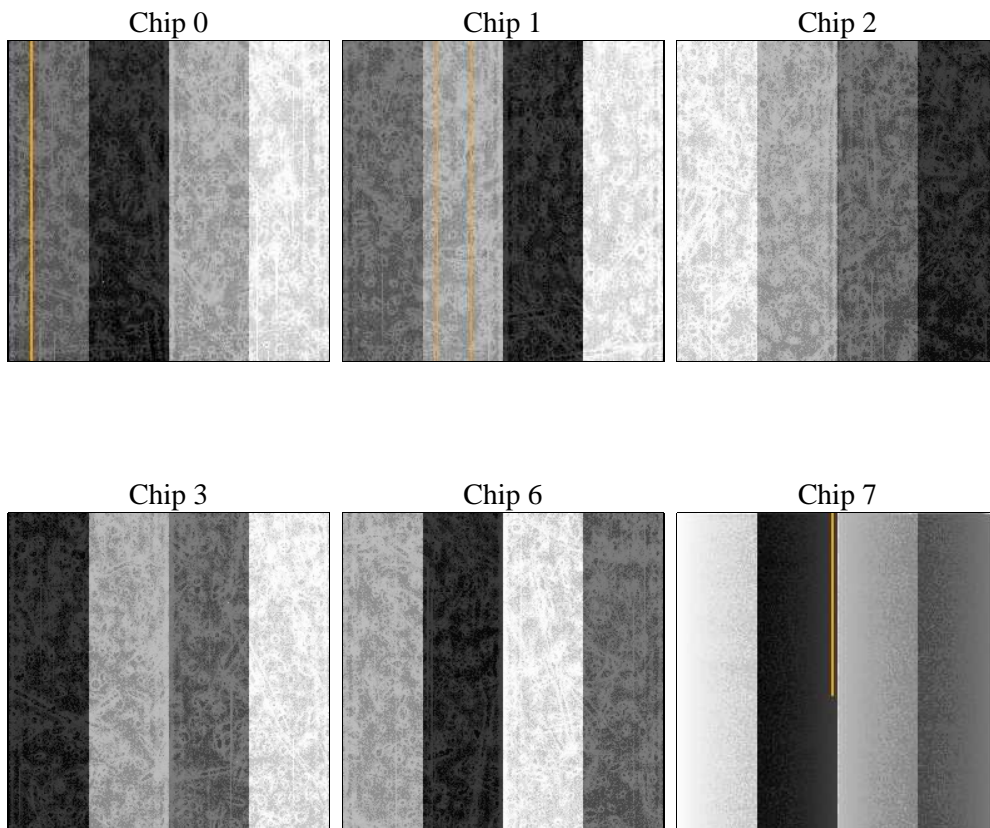
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	48016.542000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	48028.758850783	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	48028.758880705	Sum of GTIs [s]
date	2012-03-30T20:26:49	Date and time of file creation	ontime1	48025.517890483	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	48025.517880499	Sum of GTIs [s]
			ontime3	48028.758850783	Sum of GTIs [s]
			ontime6	48028.758850783	Sum of GTIs [s]
			ontime7	48028.758850783	Sum of GTIs [s]
			l1events	2729680	Number of level 1 events

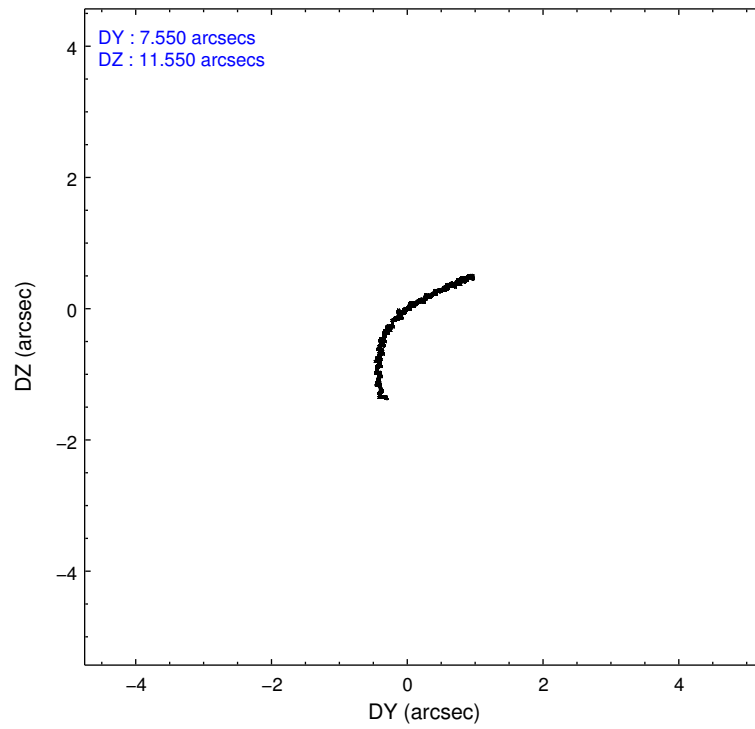
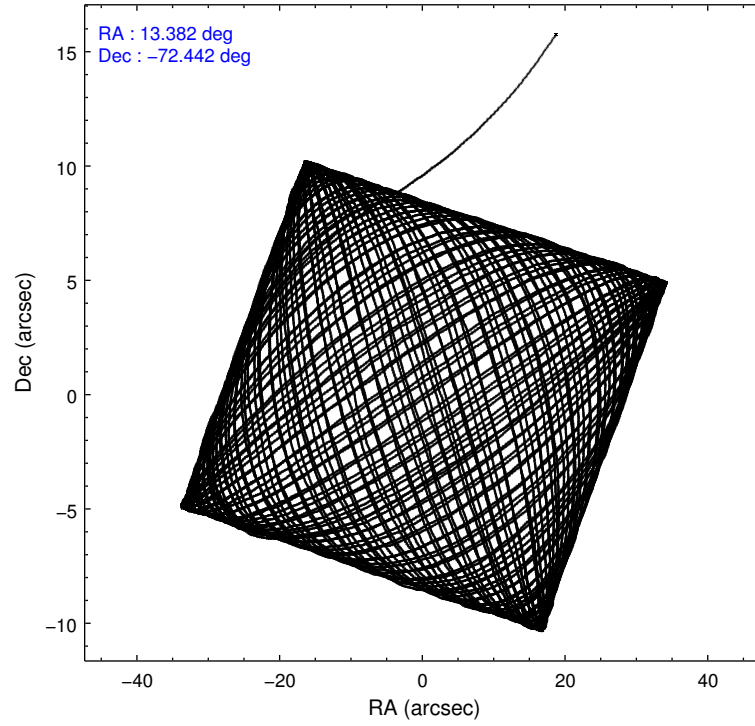
2.1.4 Events

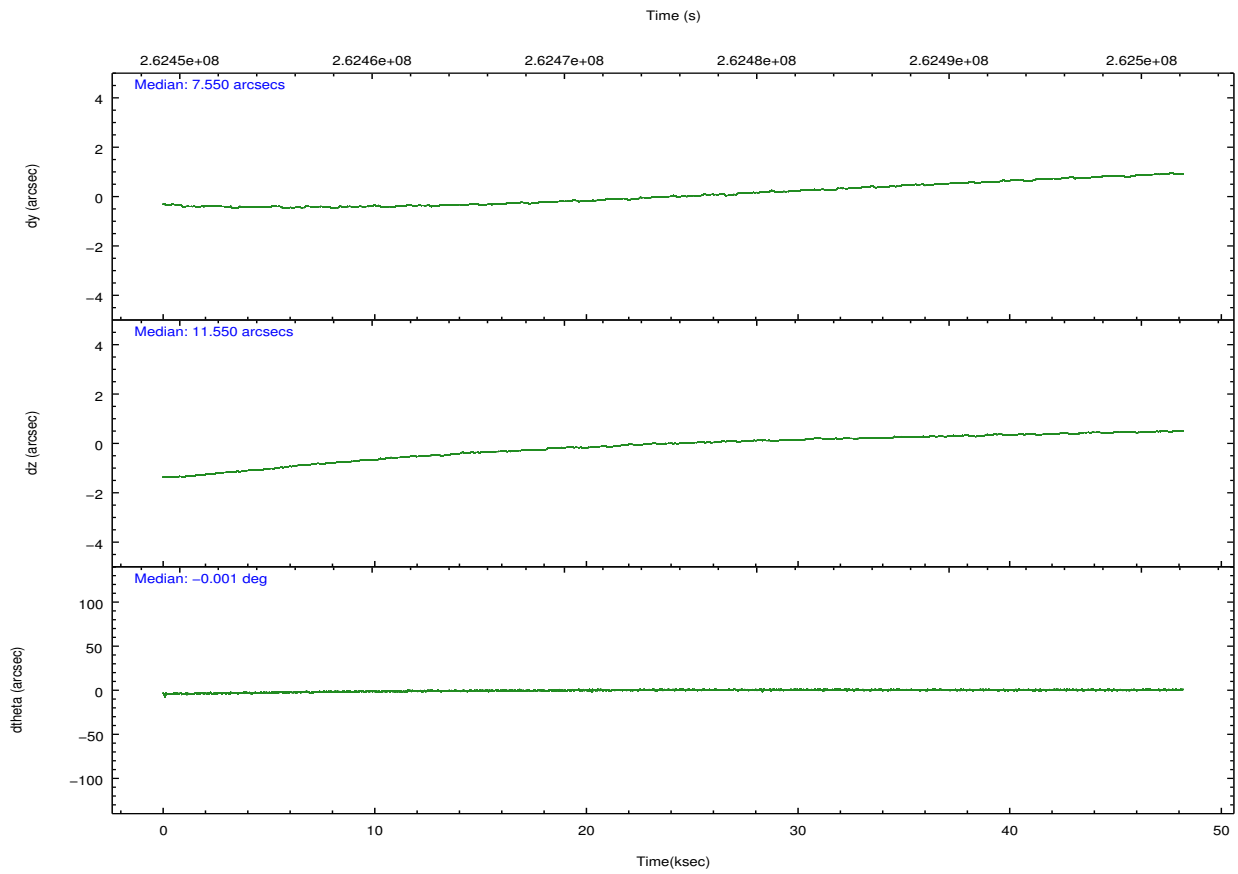
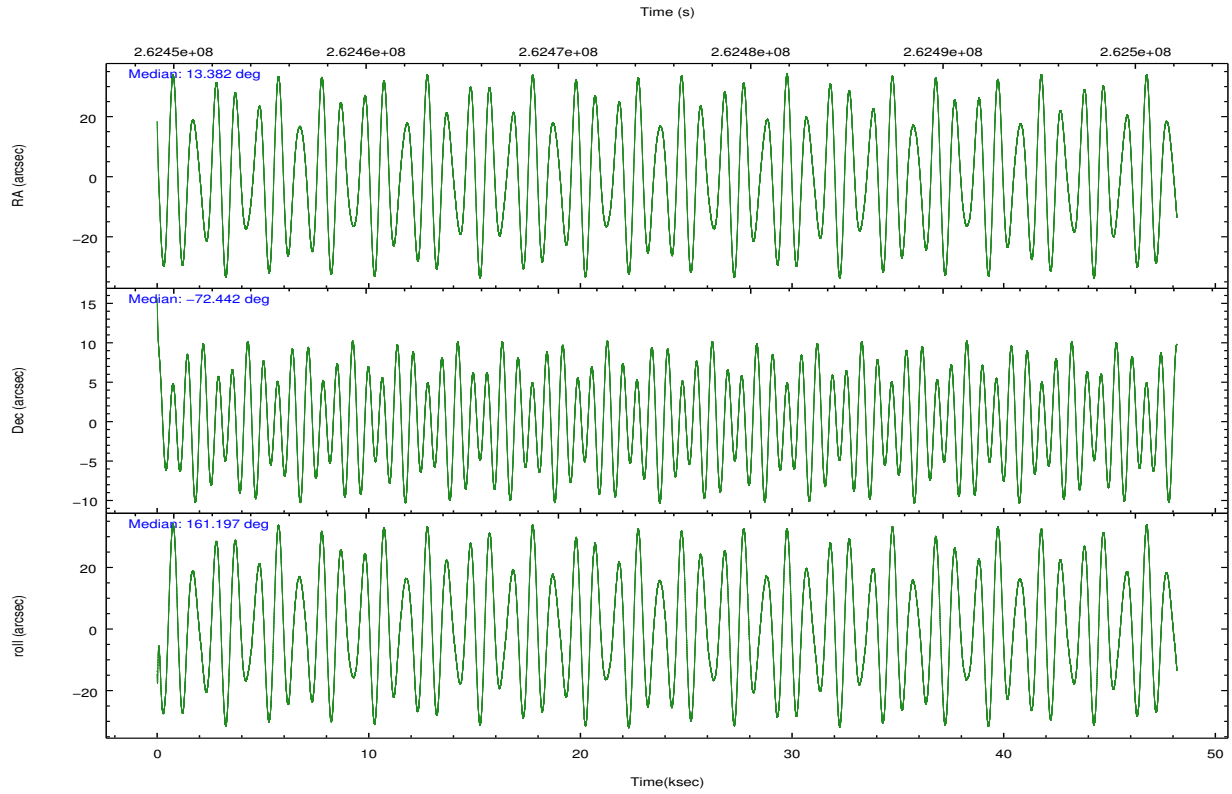
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	405148	404285	439536	432146	456345	592220	grade 0 events	28756	24623	26393	25031	23083	22673
rejected events	344682	345336	384462	377655	401133	340368		7%	6%	6%	5%	5%	3%
rejected %	85%	85%	87%	87%	87%	57%	grade 1 events	303	224	310	303	243	574
								0%	0%	0%	0%	0%	0%
							grade 2 events	12264	12699	10714	10446	11438	50436
								3%	3%	2%	2%	2%	8%
							grade 3 events	5311	5284	4774	4978	5159	22263
								1%	1%	1%	1%	1%	3%
							grade 4 events	4892	5361	4862	5024	4909	21681
								1%	1%	1%	1%	1%	3%
							grade 5 events	16925	18252	16471	19843	20658	56088
								4%	4%	3%	4%	4%	9%
							grade 6 events	9260	10992	8343	9021	10641	134865
								2%	2%	1%	2%	2%	22%
							grade 7 events	327437	326850	367669	357500	380214	283640
								80%	80%	83%	82%	83%	47%

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	13.471224	13.38222766174567	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.436795	-72.44223371533559	Alternating exposures requested	N	N
[deg] Pointing Roll	161.073865	161.1976906663463	[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)	262451720.184000	262450726.43023			
Observation start date	2006-04-26T15:14:15	2006-04-26T14:58:46			
[s] Observation end time (MET)	262499736.184000	262499976.65752			
Observation end date	2006-04-27T04:34:31	2006-04-27T04:39:36			
Read mode	TIMED	TIMED			

2.3 Aspect



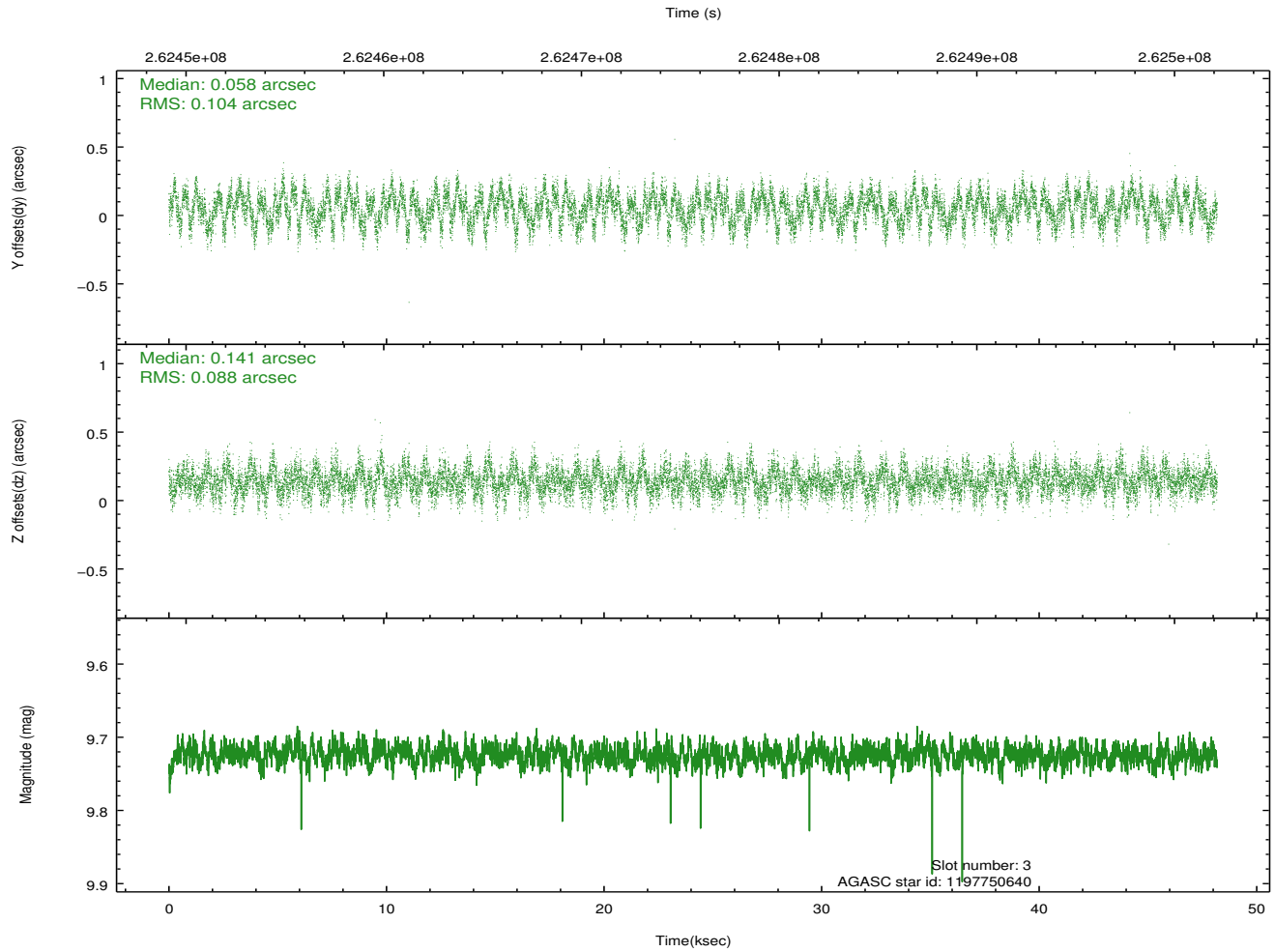
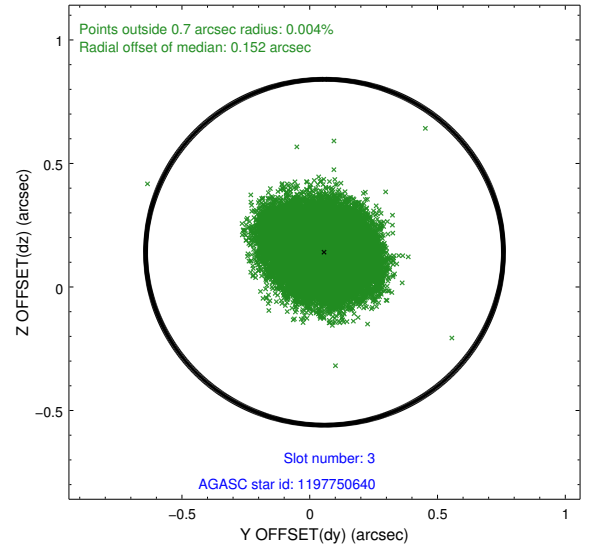
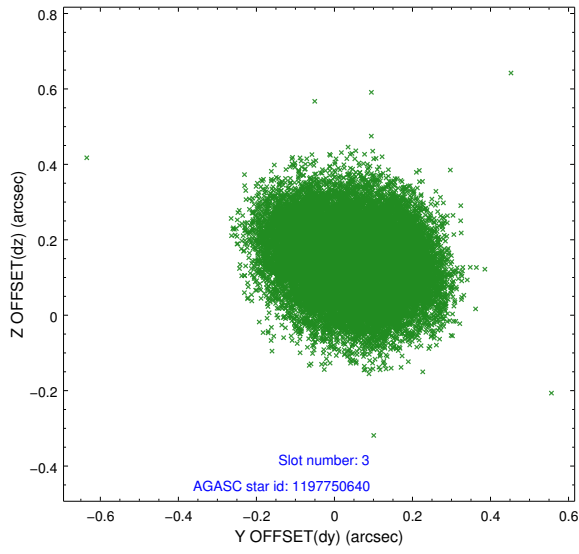


Slot Statistics

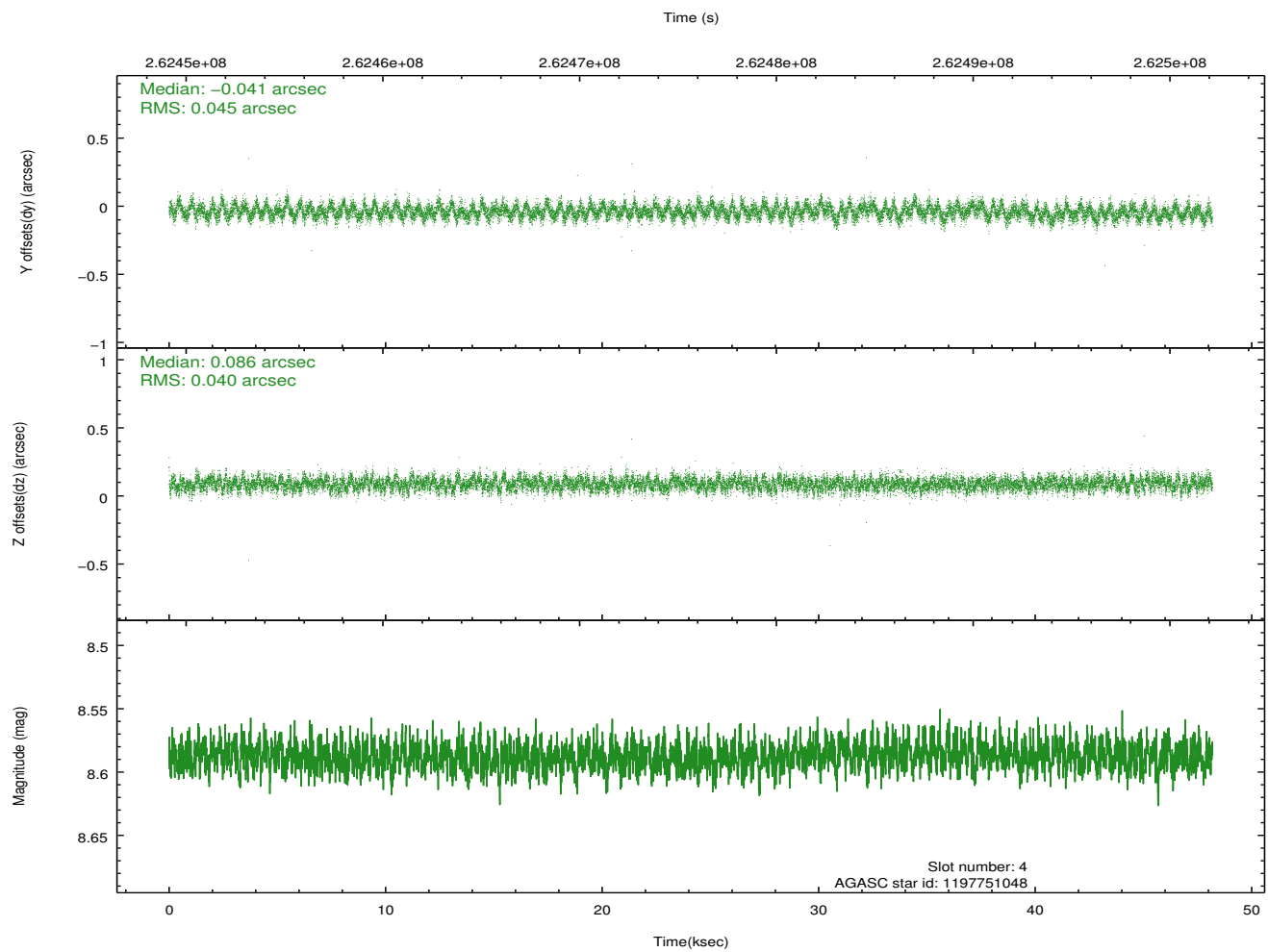
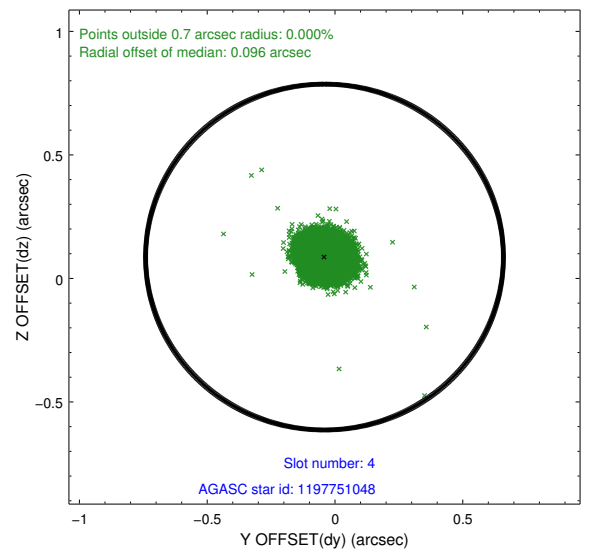
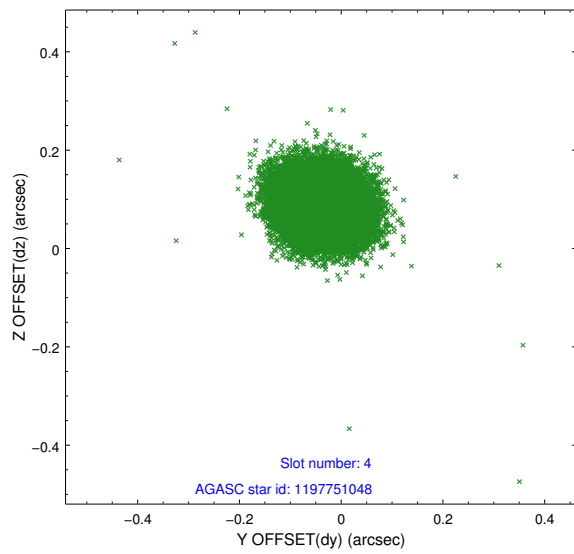
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11752	0.051	-0.047	0.015	0.041	0.000000	0.000000	932.06	-834.95
1	FID	ACIS-I-5	7.23	11748	-0.172	0.059	0.020	0.030	0.000000	0.000000	-1816.25	1062.68
2	FID	ACIS-I-6	7.24	11752	0.034	0.062	0.012	0.021	0.000000	0.000000	397.64	1707.14
3	GUIDE	1197750640	9.72	23466	0.058	0.141	0.148	0.232	15.758835	-72.088048	-2003.39	-1963.25
4	GUIDE	1197751048	8.59	23499	-0.041	0.086	0.064	0.102	12.451586	-72.130600	1419.96	-668.22
5	GUIDE	1198189696	7.35	23500	0.085	-0.119	0.063	0.099	15.223750	-72.697522	-2087.82	305.24
6	GUIDE	1198191400	8.38	23488	-0.266	-0.220	0.078	0.121	11.617890	-72.595865	1691.62	1217.97
7	GUIDE	1197749664	9.57	23472	0.166	0.109	0.116	0.190	15.809015	-72.366369	-2344.50	-1019.50

2.4 Star Slots

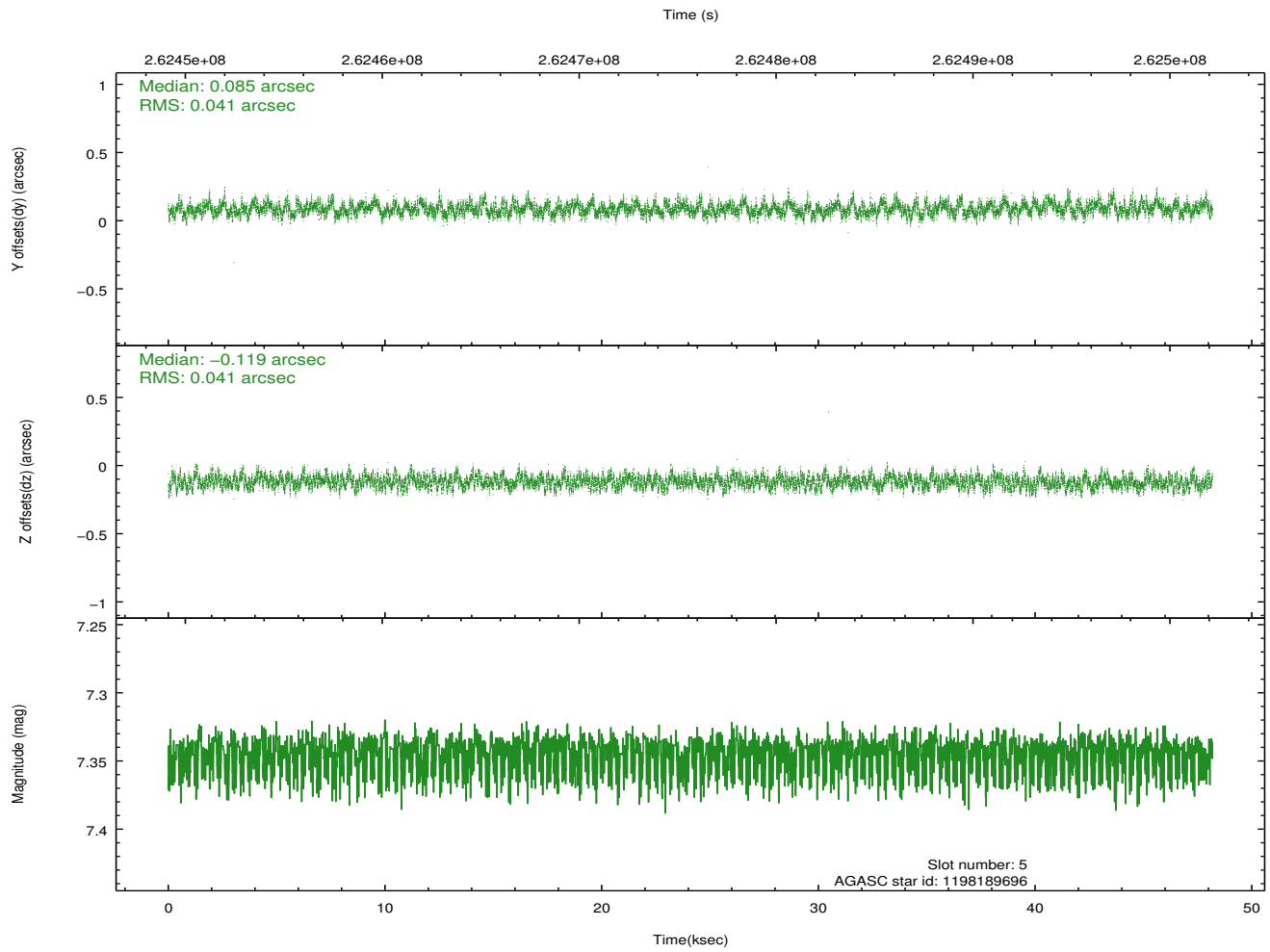
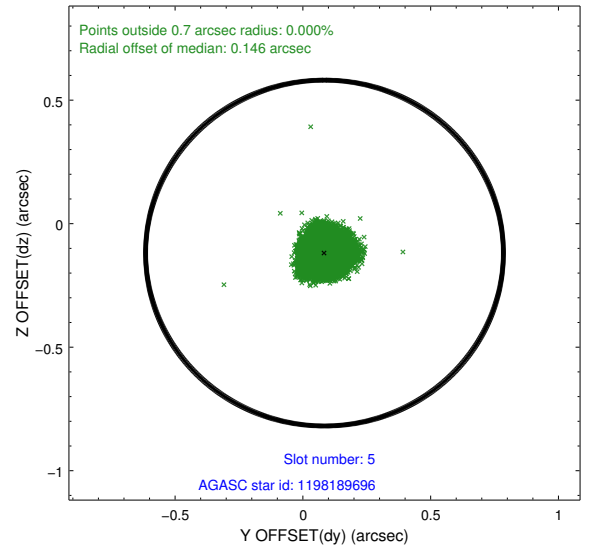
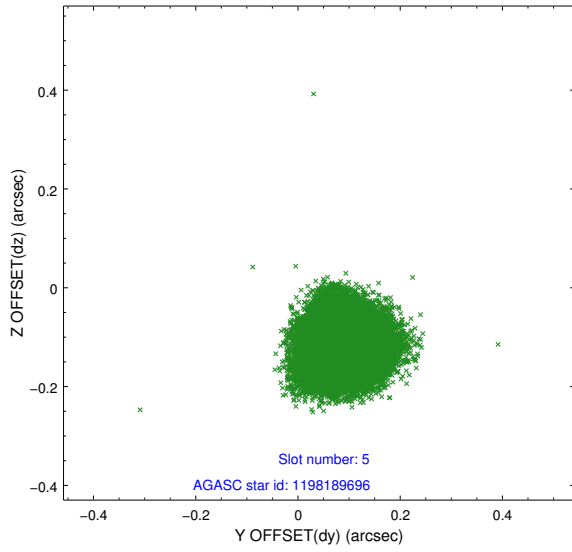
2.4.1 Slot 3



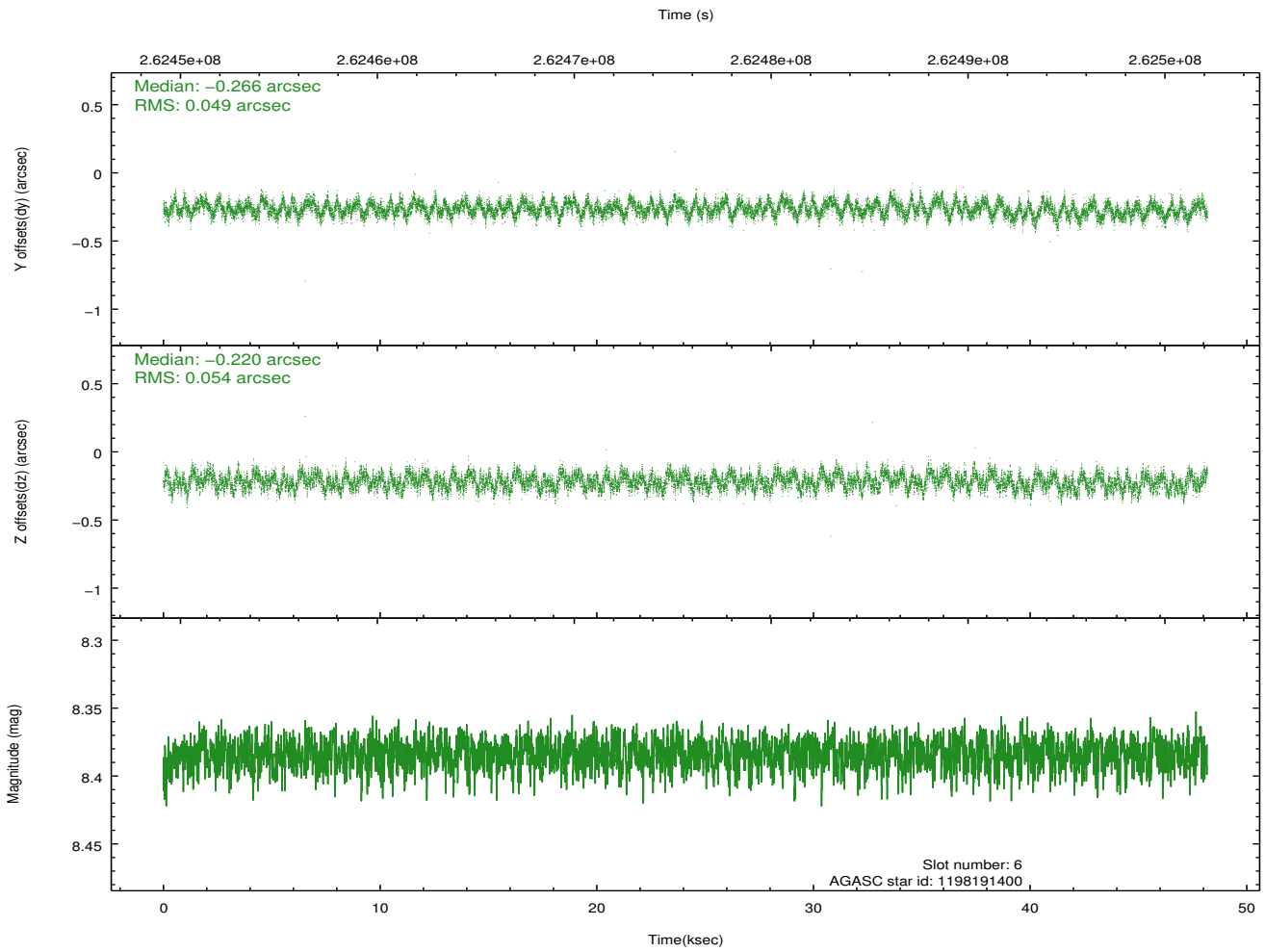
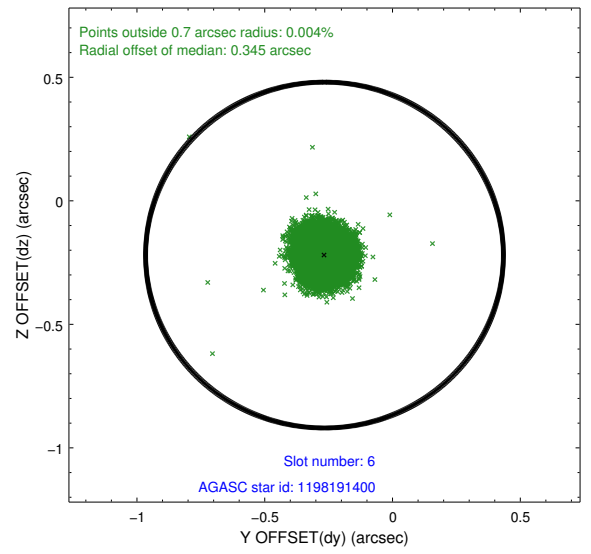
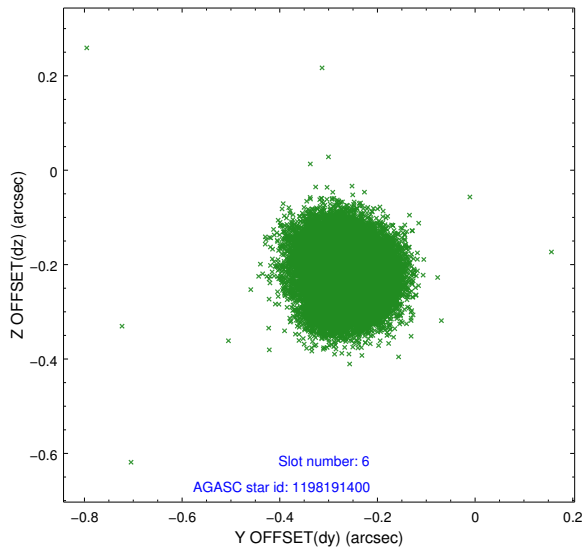
2.4.2 Slot 4



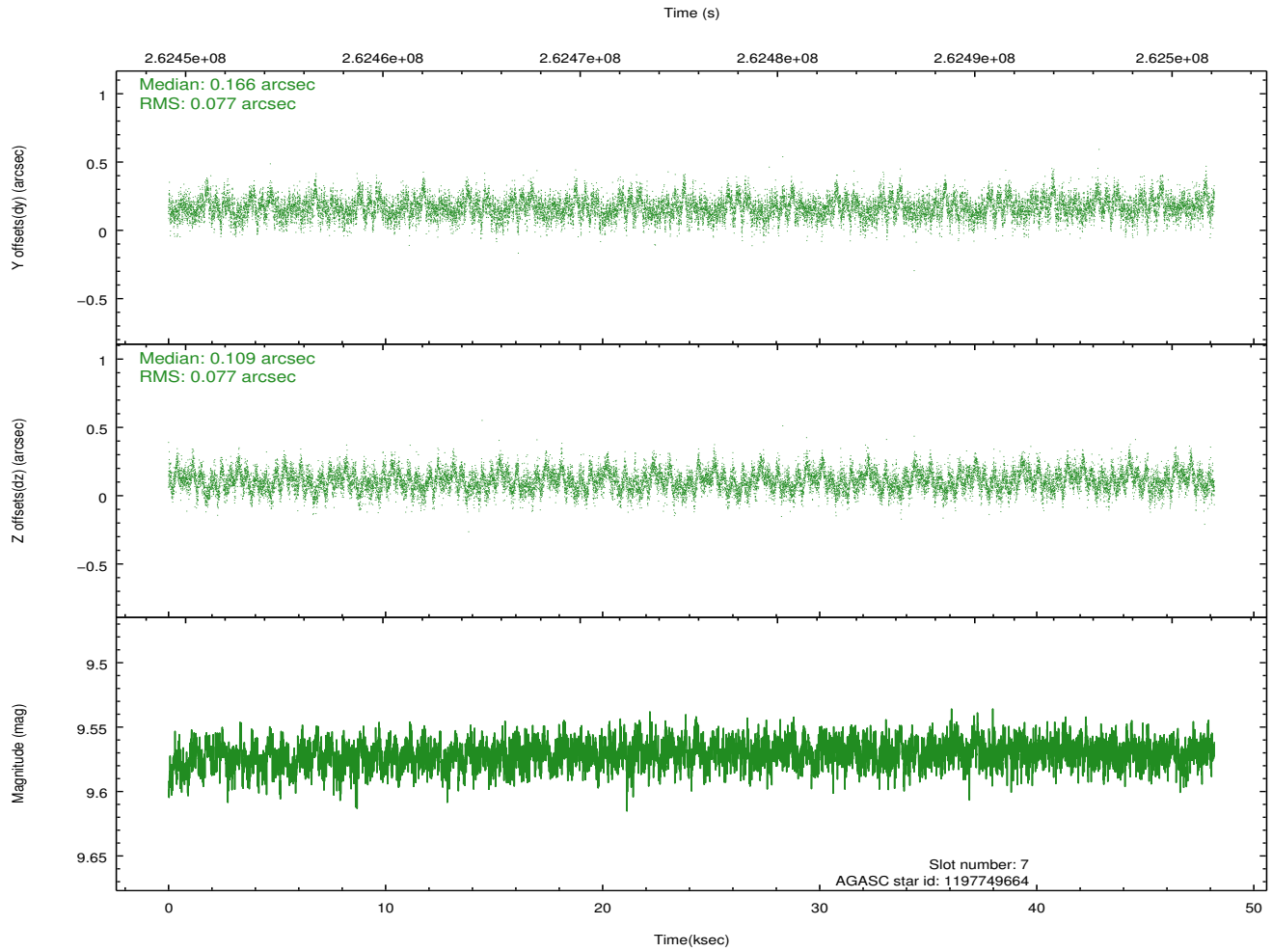
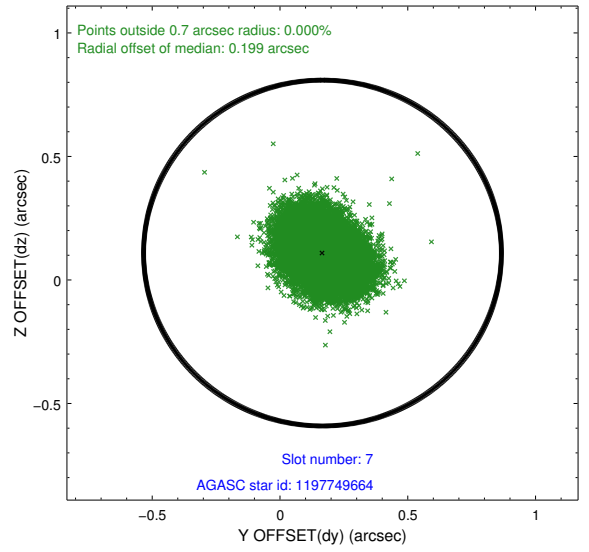
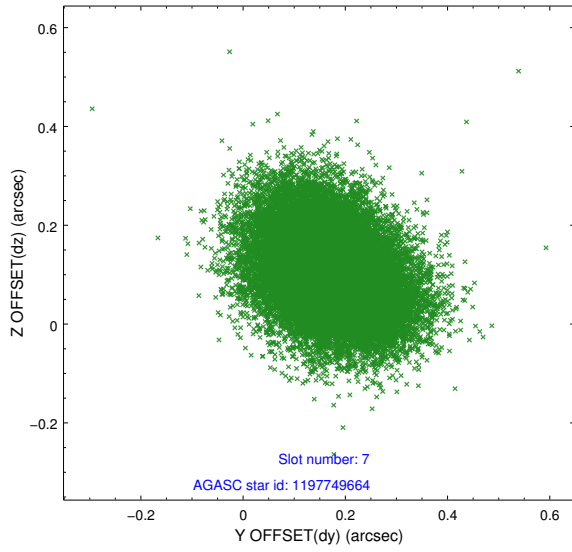
2.4.3 Slot 5



2.4.4 Slot 6

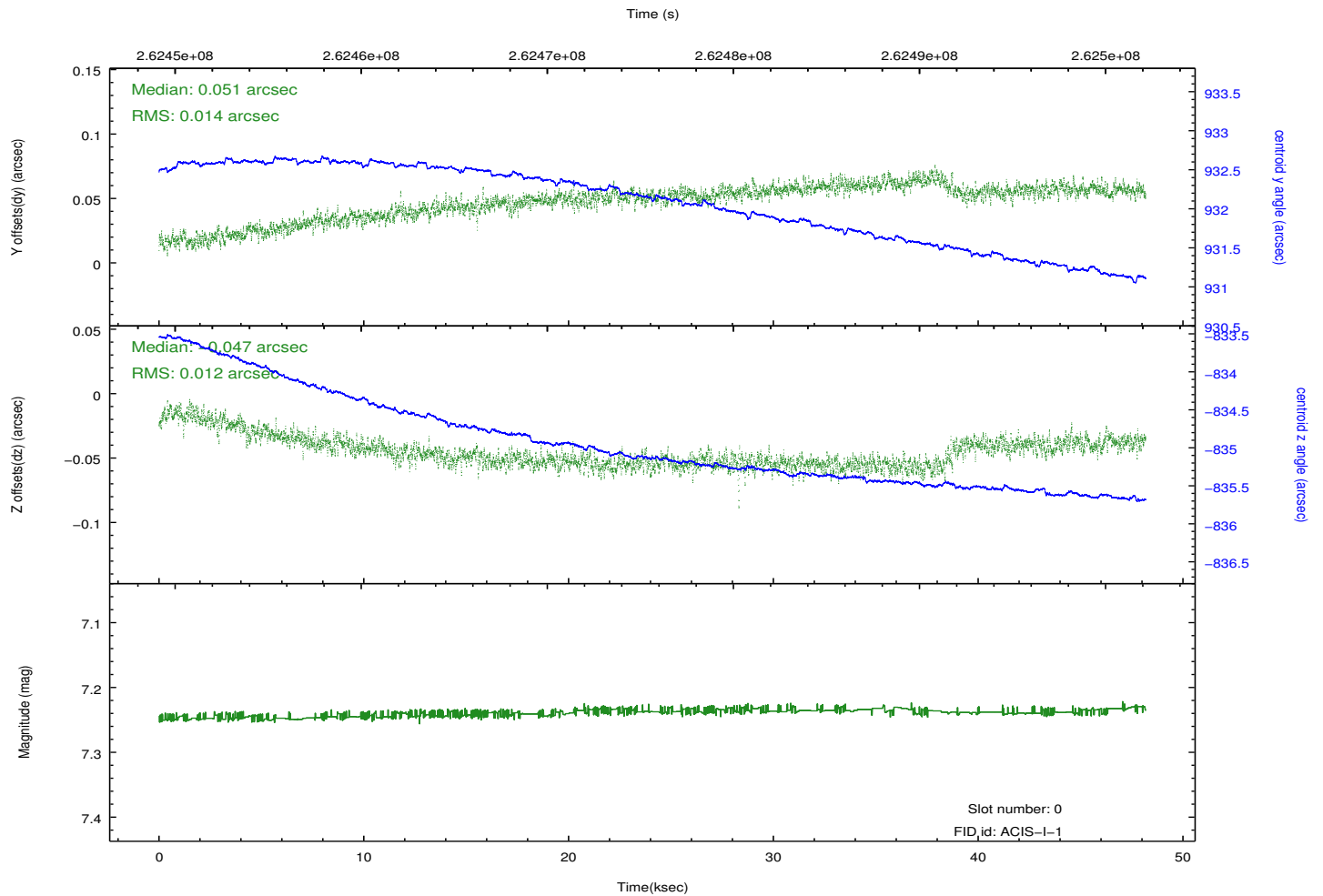
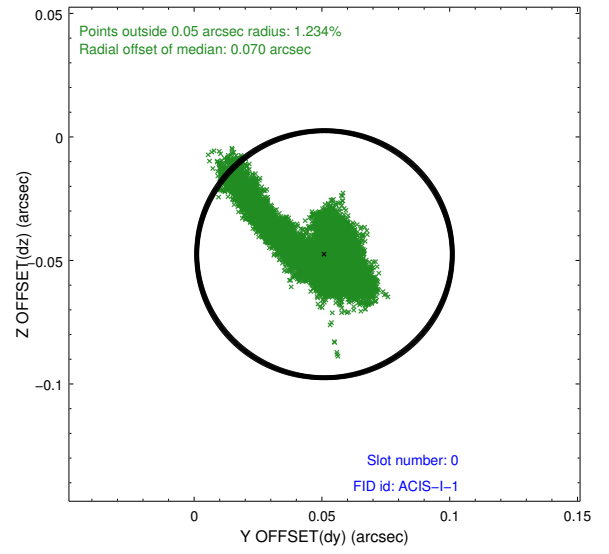
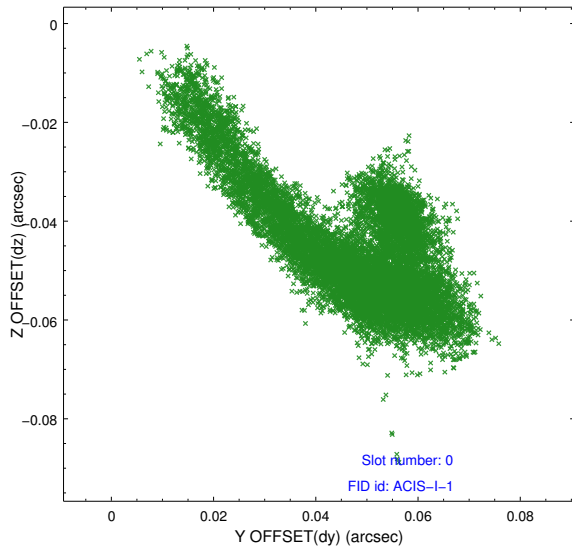


2.4.5 Slot 7

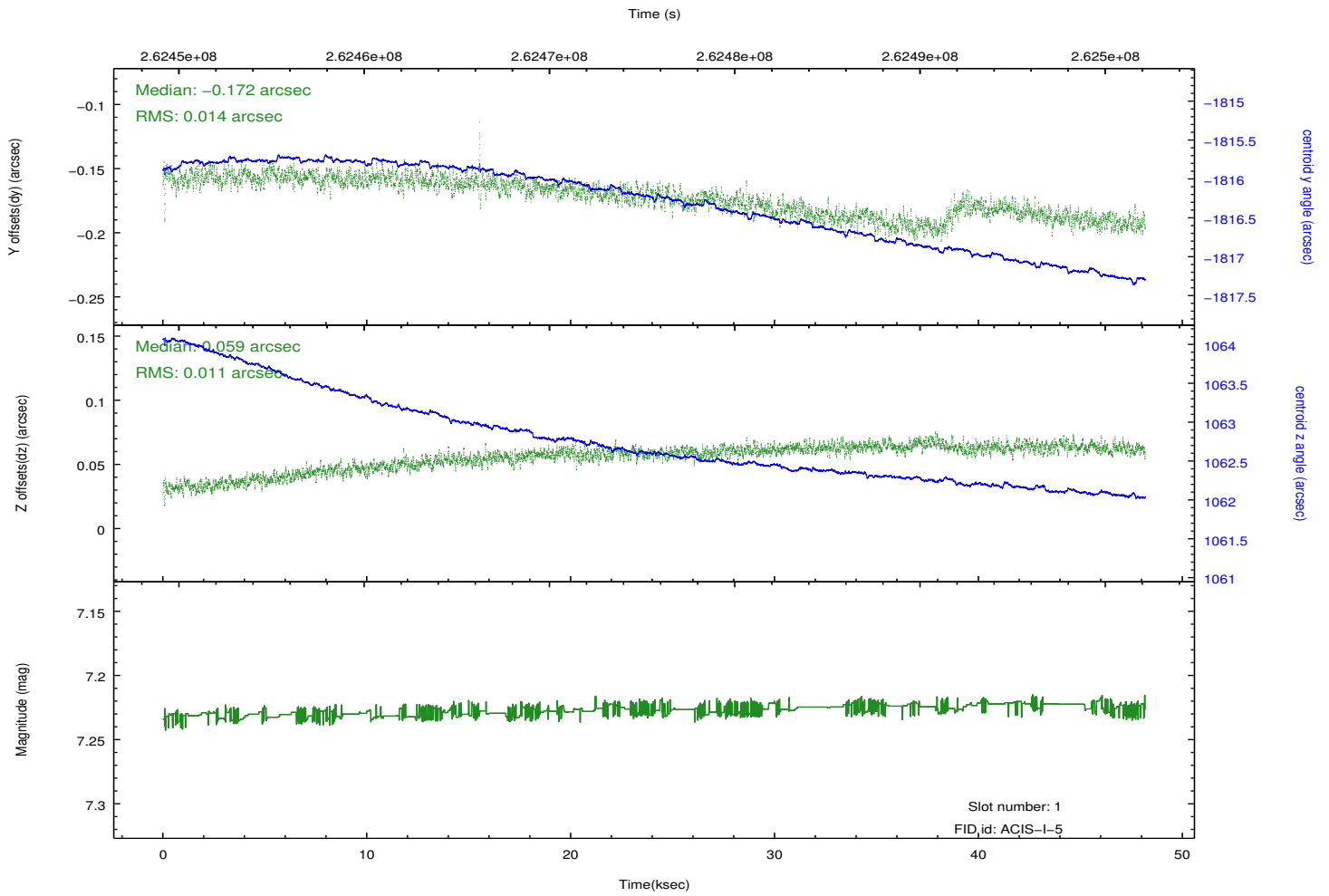
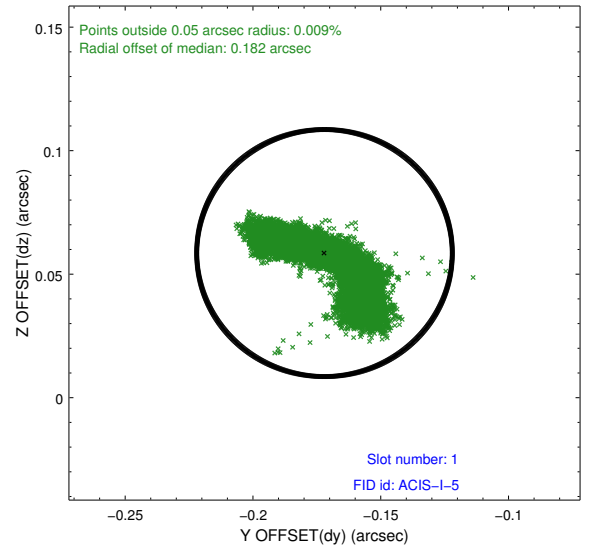
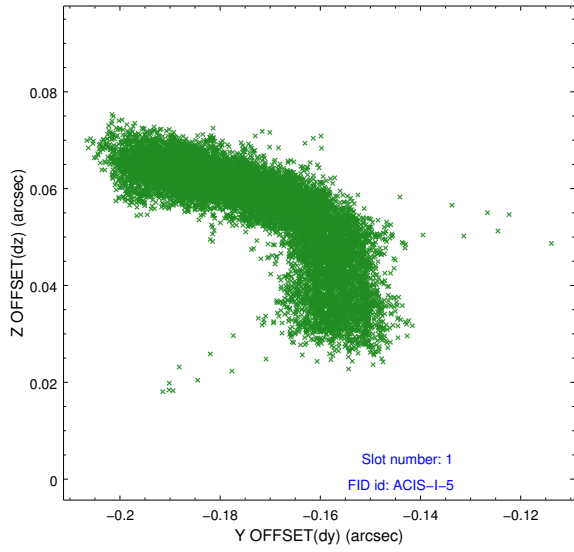


2.5 FID Slots

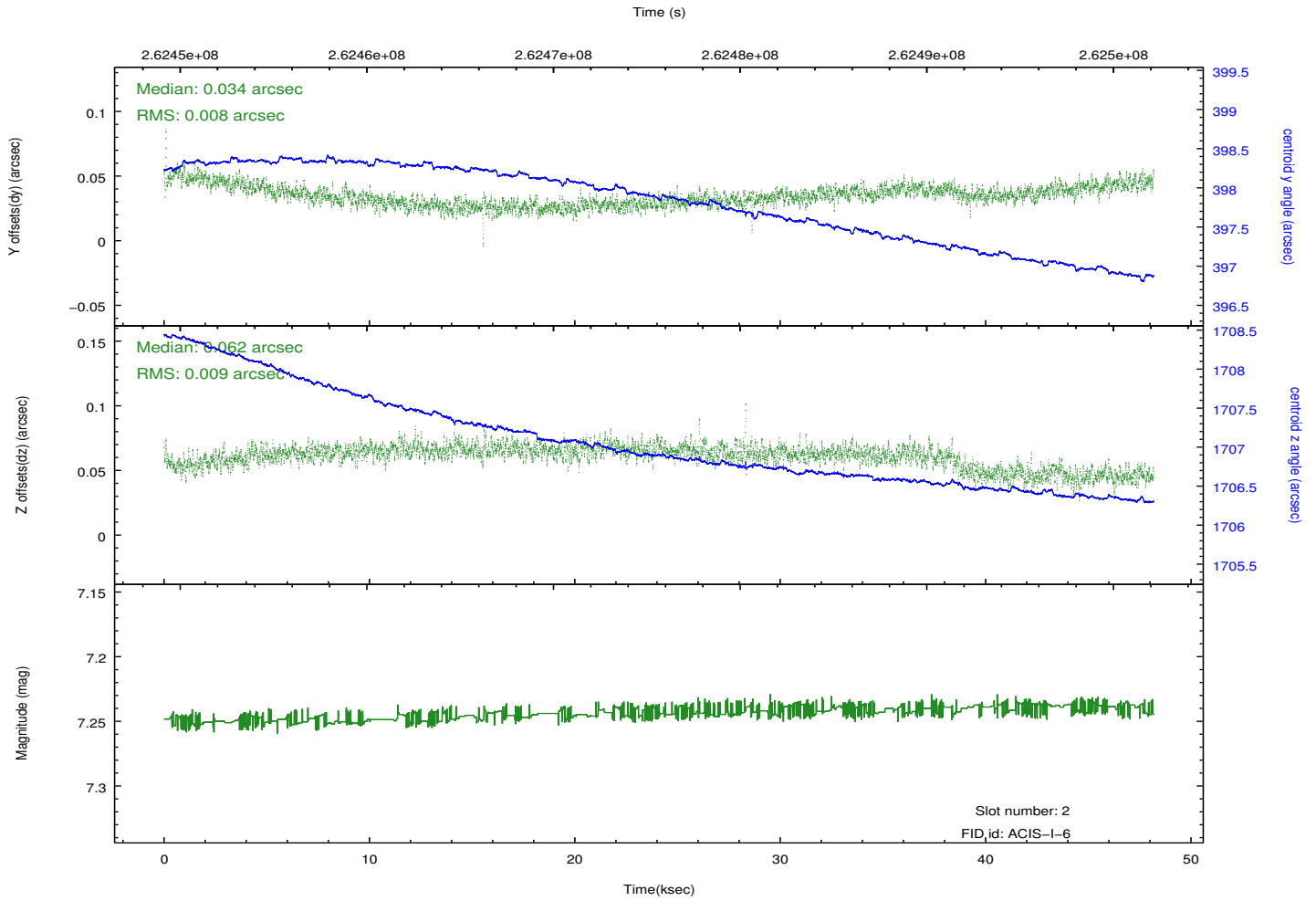
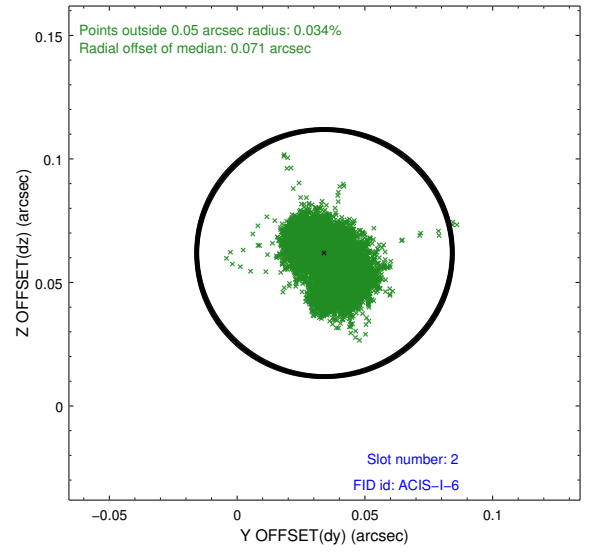
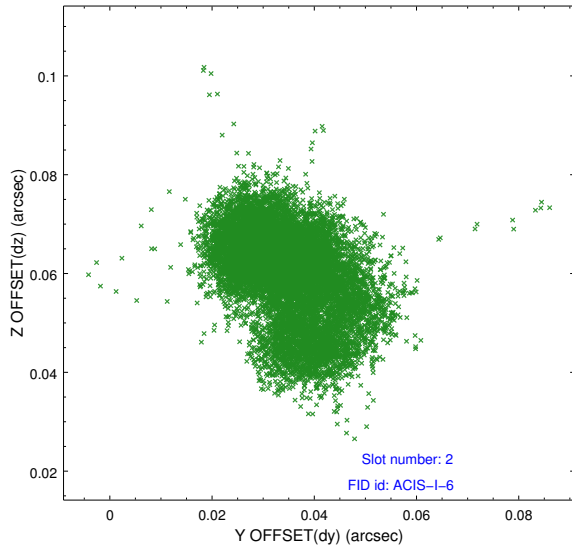
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.0063588

A.2 Comments

Joint proposal with HST.