

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7505 - L2 Version 2
Chandra X-Ray Center

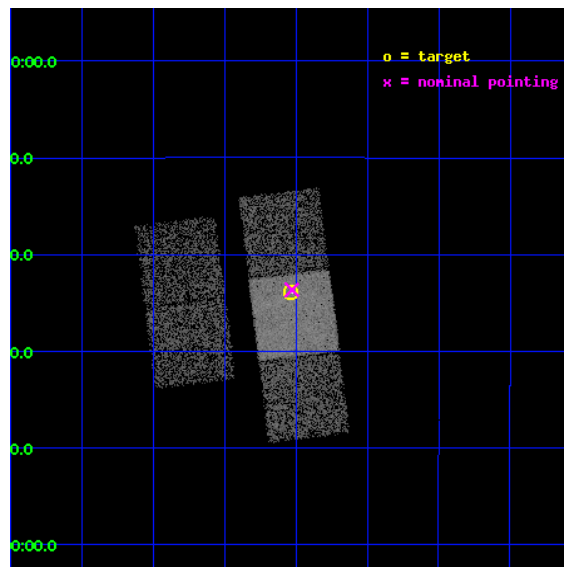
L2 Processing Date : May 10 2012

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1 Front

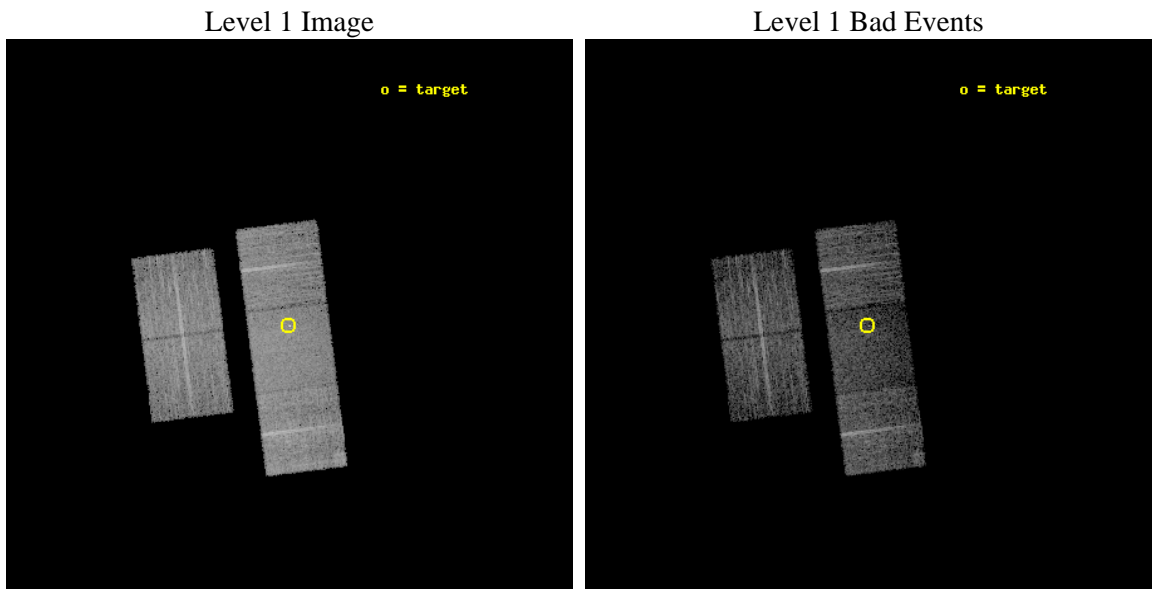
seq_num	400615	Sequence number
obs_id	7505	Observation id
title	Supergiant Fast X-ray Transients: New Candidates and Characterization of Quiescence	Proposal title
observer	Prof. David Smith	Principal investigator
object	AX 1845.0-0433	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.2588	Observer's specified target RA [deg]
dec_targ	-4.5653	Observer's specified target Dec [deg]
ra_nom	281.25681988593	Nominal RA [deg]
dec_nom	-4.5608338923298	Nominal Dec [deg]
roll_nom	82.785445431393	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5031.3000386953	Sum of GTIs [s]
livetime	4965.5623997006	Livetime [s]
ontime2	5031.3000386953	Sum of GTIs [s]
ontime3	5031.3000386953	Sum of GTIs [s]
ontime6	5031.3000386953	Sum of GTIs [s]
ontime7	5031.3000386953	Sum of GTIs [s]
ontime8	5031.3000386953	Sum of GTIs [s]
l2events	37975	Number of level 2 events



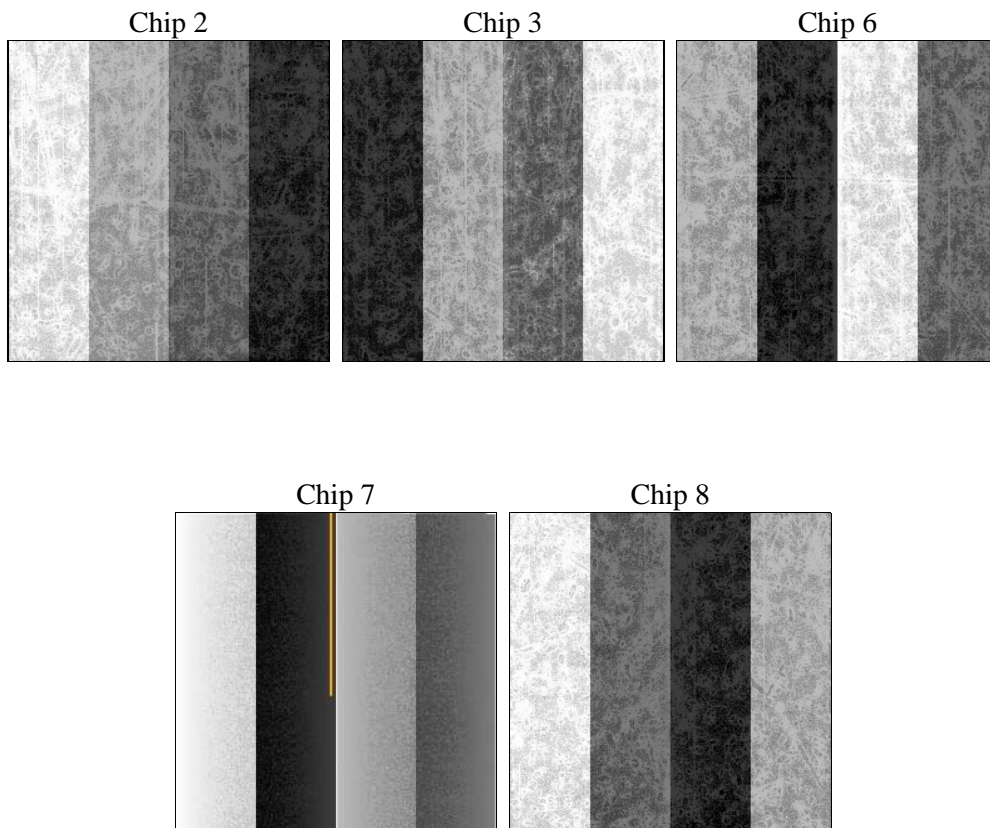
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5031.3000386953	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5031.3000386953	Sum of GTIs [s]
date	2012-05-10T09:07:27	Date and time of file creation	ontime3	5031.3000386953	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5031.3000386953	Sum of GTIs [s]
			ontime7	5031.3000386953	Sum of GTIs [s]
			ontime8	5031.3000386953	Sum of GTIs [s]
			l1events	225383	Number of level 1 events

2.1.4 Events

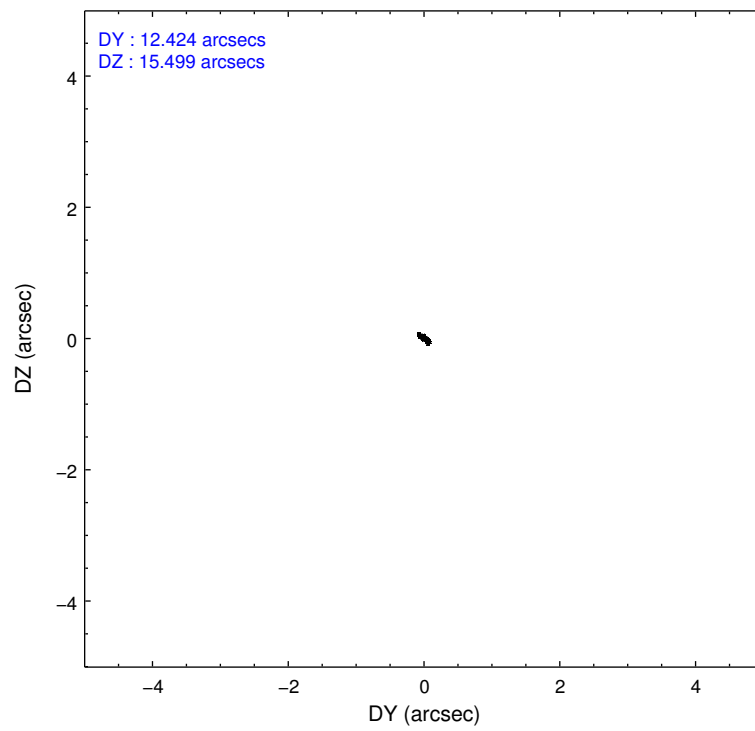
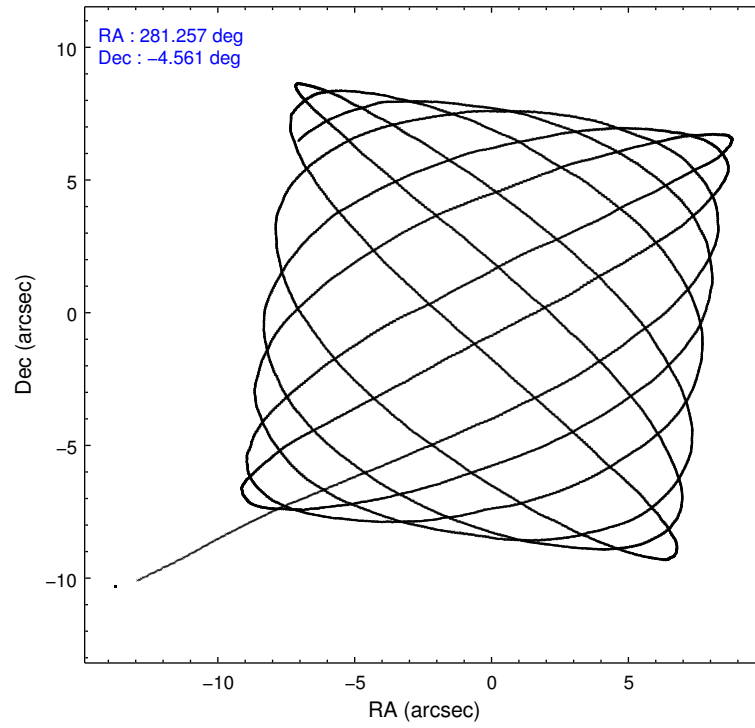
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	41884	39469	42252	47732	54046
rejected events	37746	35258	37446	25393	41166
rejected %	90%	89%	88%	53%	76%

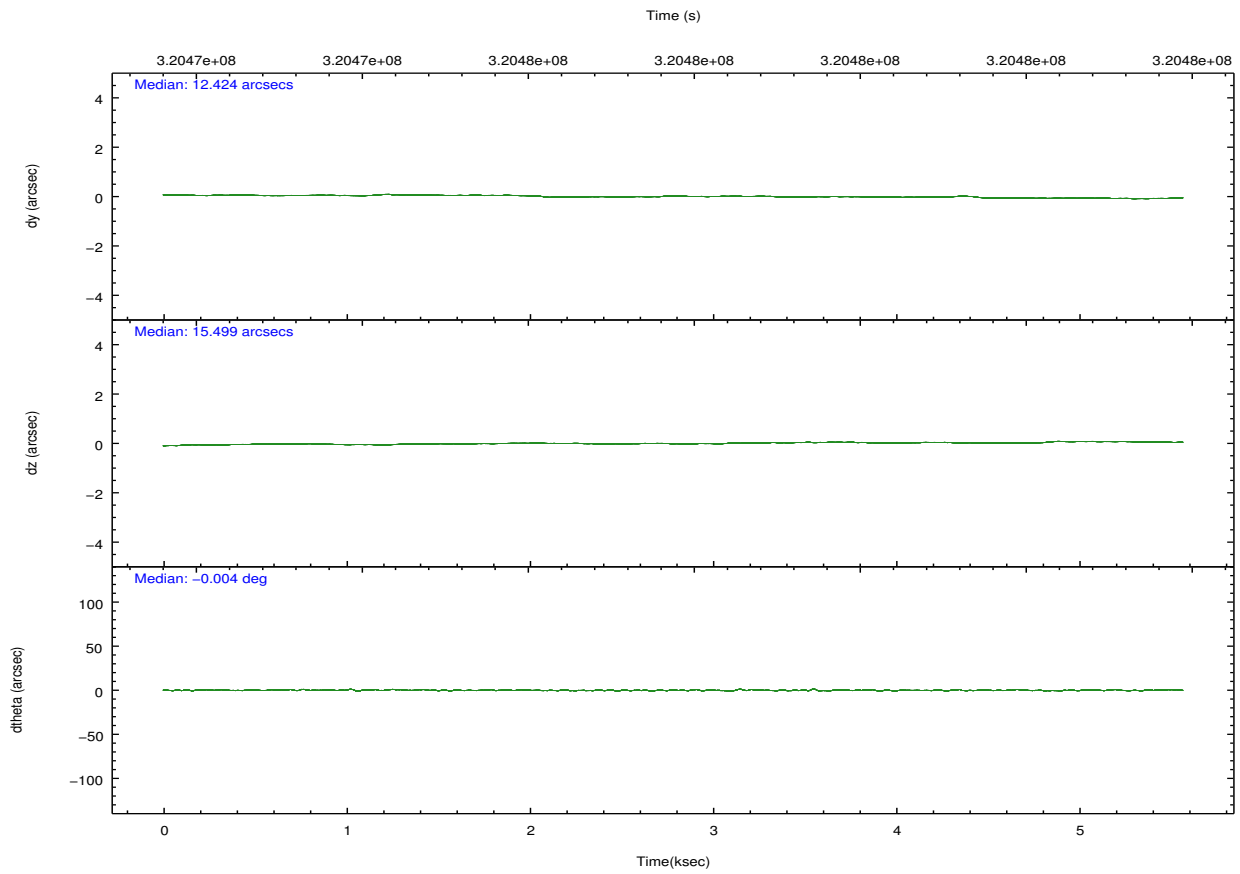
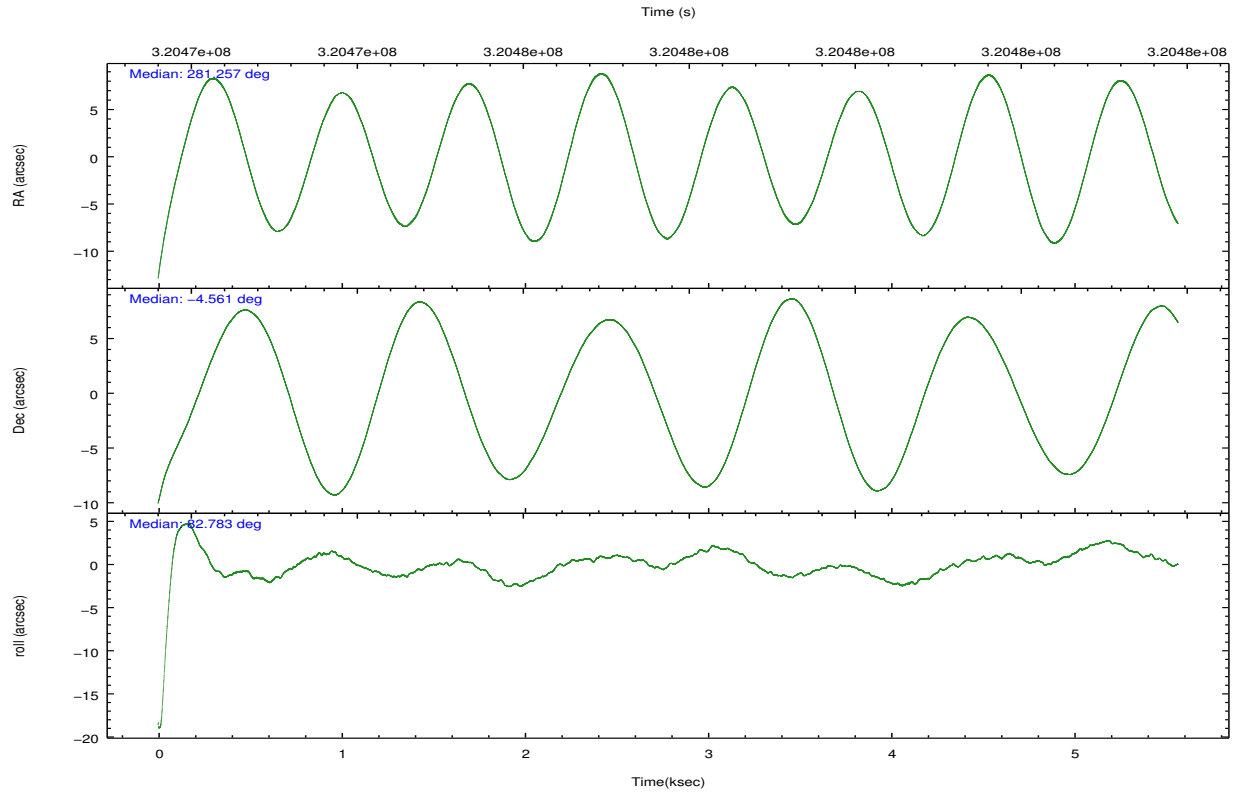
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1636	1637	1877	2353	4124
	3%	4%	4%	4%	7%
grade 1 events	19	27	21	76	44
	0%	0%	0%	0%	0%
grade 2 events	977	880	1073	4584	2931
	2%	2%	2%	9%	5%
grade 3 events	409	473	451	2100	1231
	0%	1%	1%	4%	2%
grade 4 events	421	459	452	2027	1149
	1%	1%	1%	4%	2%
grade 5 events	1283	1554	1688	4793	2441
	3%	3%	3%	10%	4%
grade 6 events	703	763	954	11292	3448
	1%	1%	2%	23%	6%
grade 7 events	36436	33676	35736	20507	38678
	86%	85%	84%	42%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	281.267754	281.2568198859272	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.585955	-4.560833892329795	Alternating exposures requested	N	N
[deg] Pointing Roll	82.629749	82.7854454313929	[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)	320473650.184000	320472526.99244			
Observation start date	2008-02-27T04:26:25	2008-02-27T04:08:46			
[s] Observation end time (MET)	320478650.184000	320479481.61778			
Observation end date	2008-02-27T05:49:45	2008-02-27T06:04:41			
Read mode	TIMED	TIMED			

2.3 Aspect



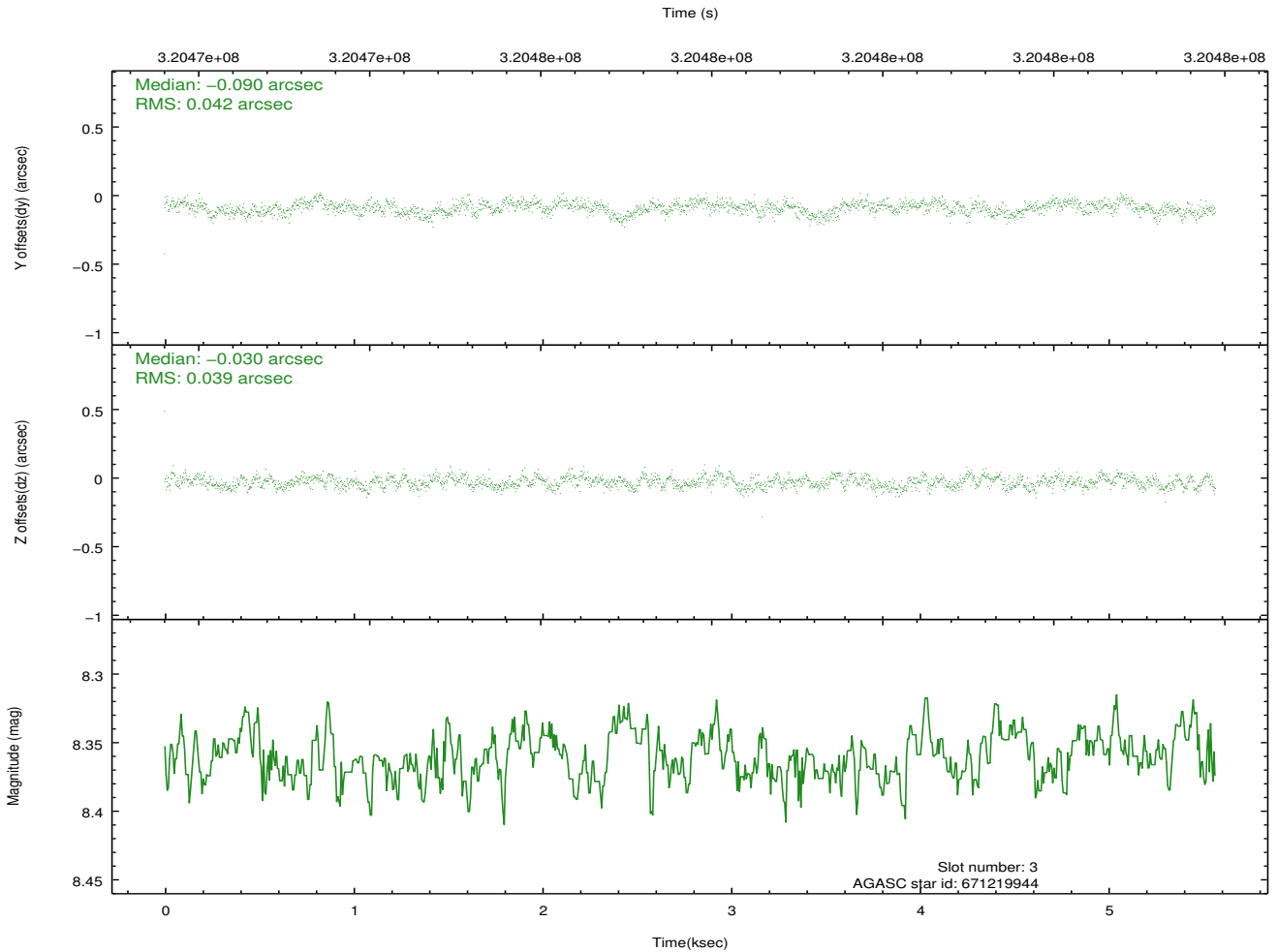
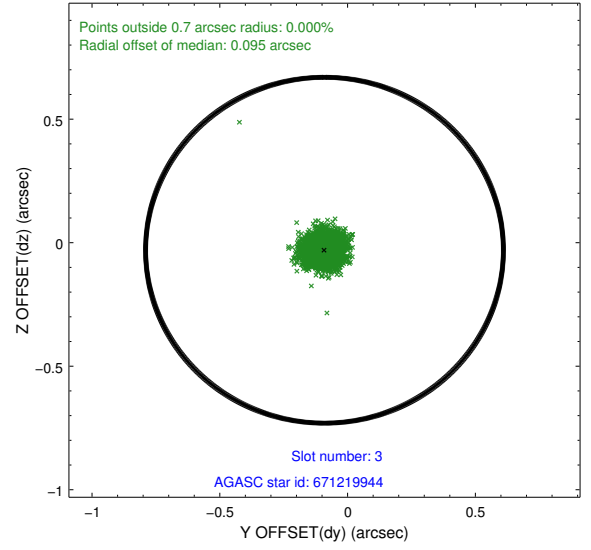
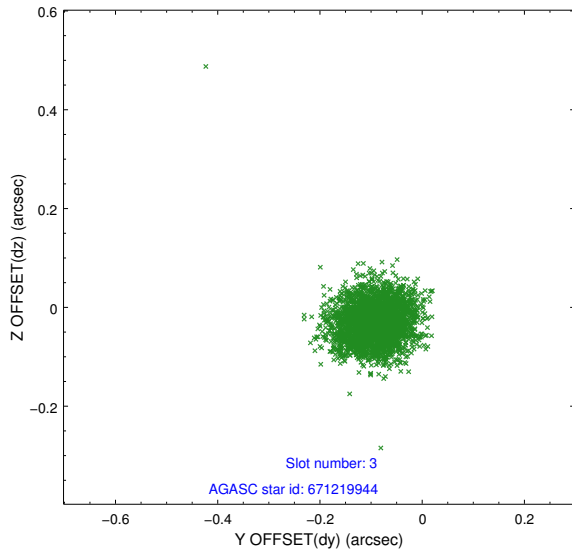


Slot Statistics

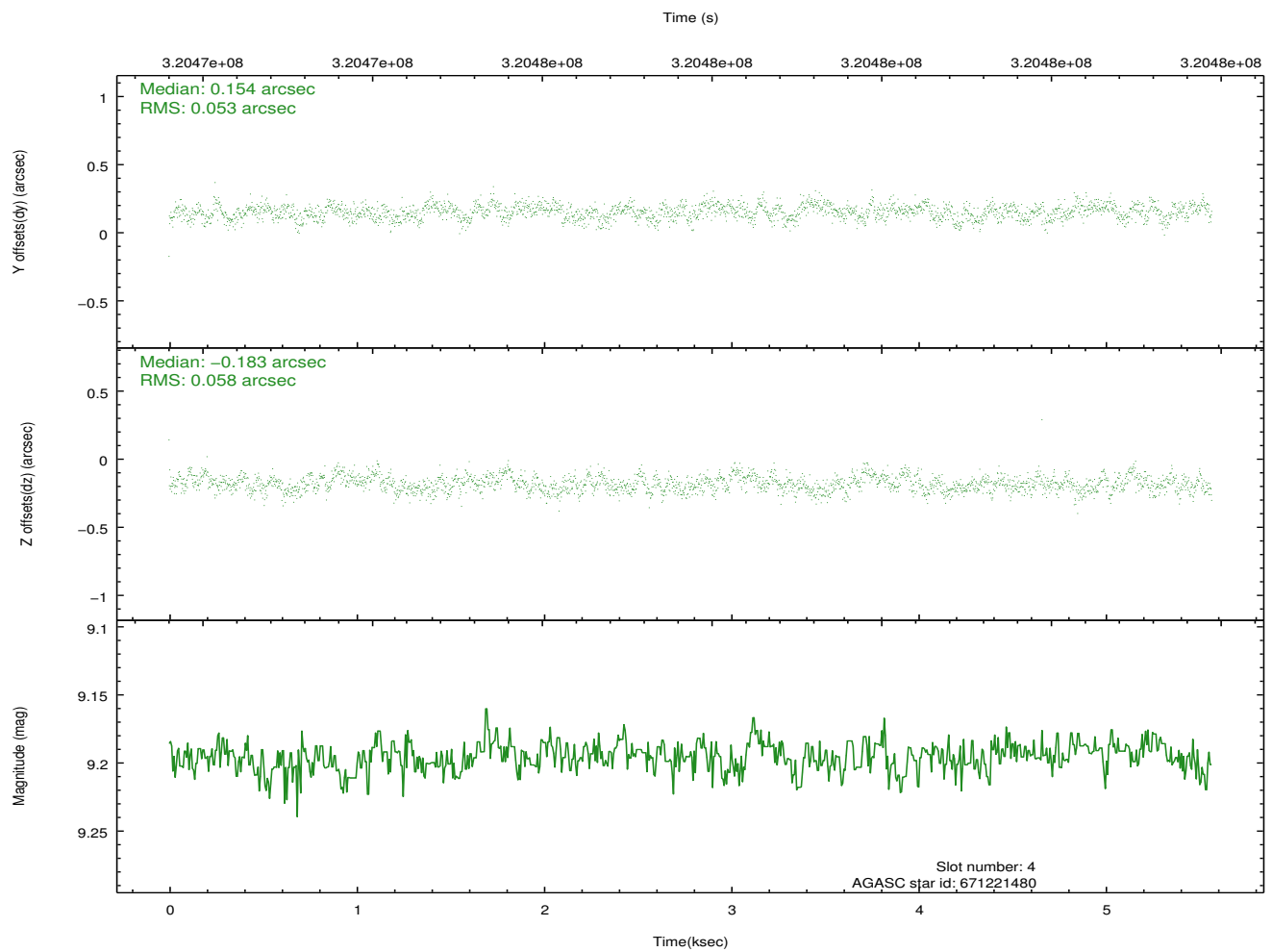
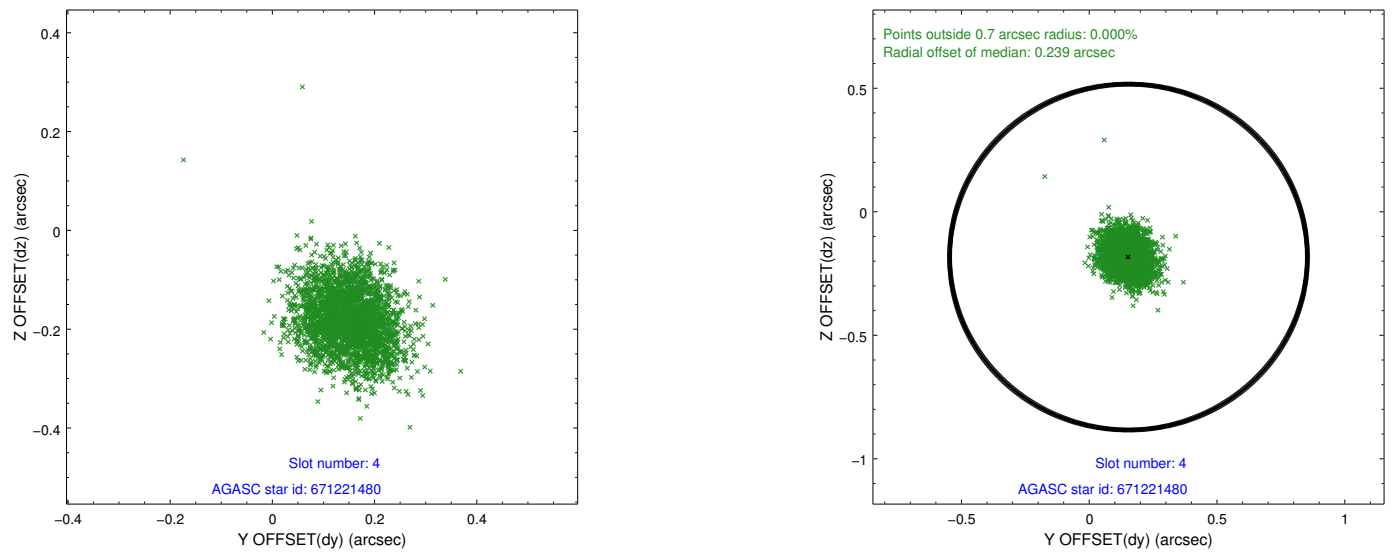
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1358	-0.068	-0.045	0.005	0.010	0.000000	0.000000	-765.38	-1736.89
1	FID	ACIS-S-4	7.19	1358	0.089	0.025	0.006	0.011	0.000000	0.000000	2147.55	170.56
2	FID	ACIS-S-6	7.32	1357	-0.049	0.027	0.007	0.011	0.000000	0.000000	397.99	809.17
3	GUIDE	671219944	8.36	2714	-0.090	-0.030	0.061	0.096	280.991216	-4.477272	260.06	1034.72
4	GUIDE	671221480	9.20	2715	0.154	-0.183	0.083	0.132	280.711295	-4.815985	-1078.22	1873.83
5	GUIDE	671222976	7.91	2716	0.150	-0.043	0.049	0.078	281.033634	-5.005625	-1606.58	639.72
6	GUIDE	671354248	8.17	2716	0.072	0.301	0.064	0.099	281.385242	-4.677171	-272.26	-459.41
7	GUIDE	671220224	8.95	2713	-0.275	-0.046	0.084	0.139	281.177307	-4.024004	1964.10	581.77

2.4 Star Slots

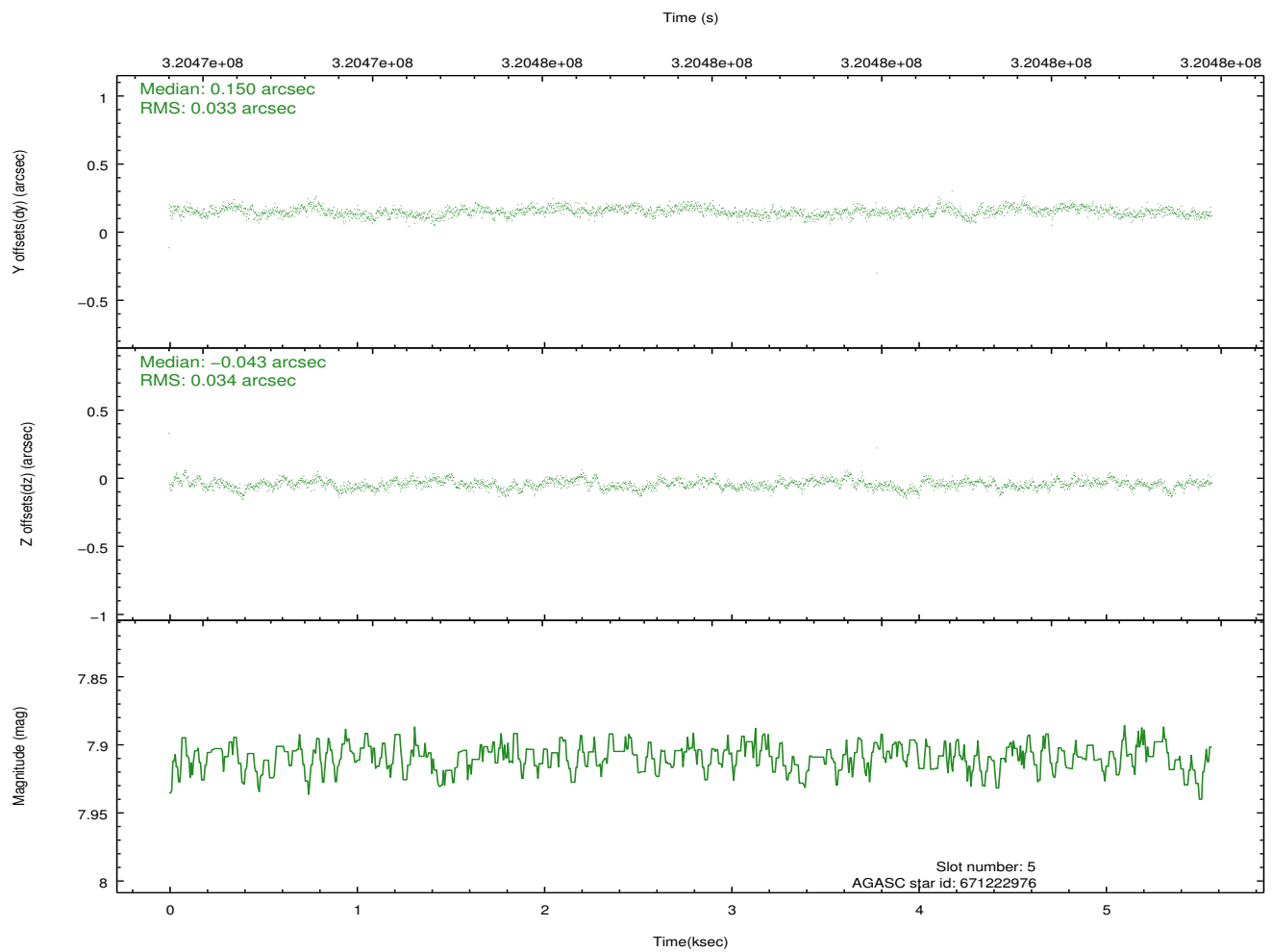
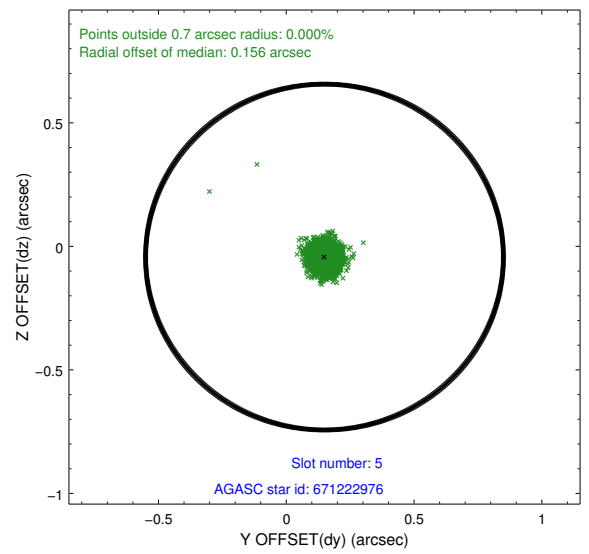
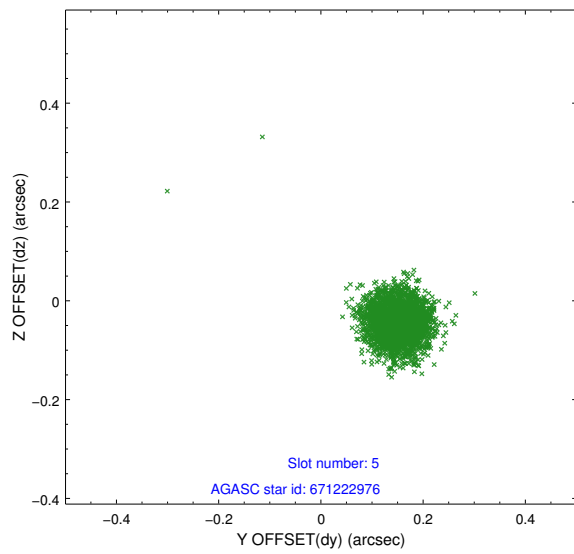
2.4.1 Slot 3



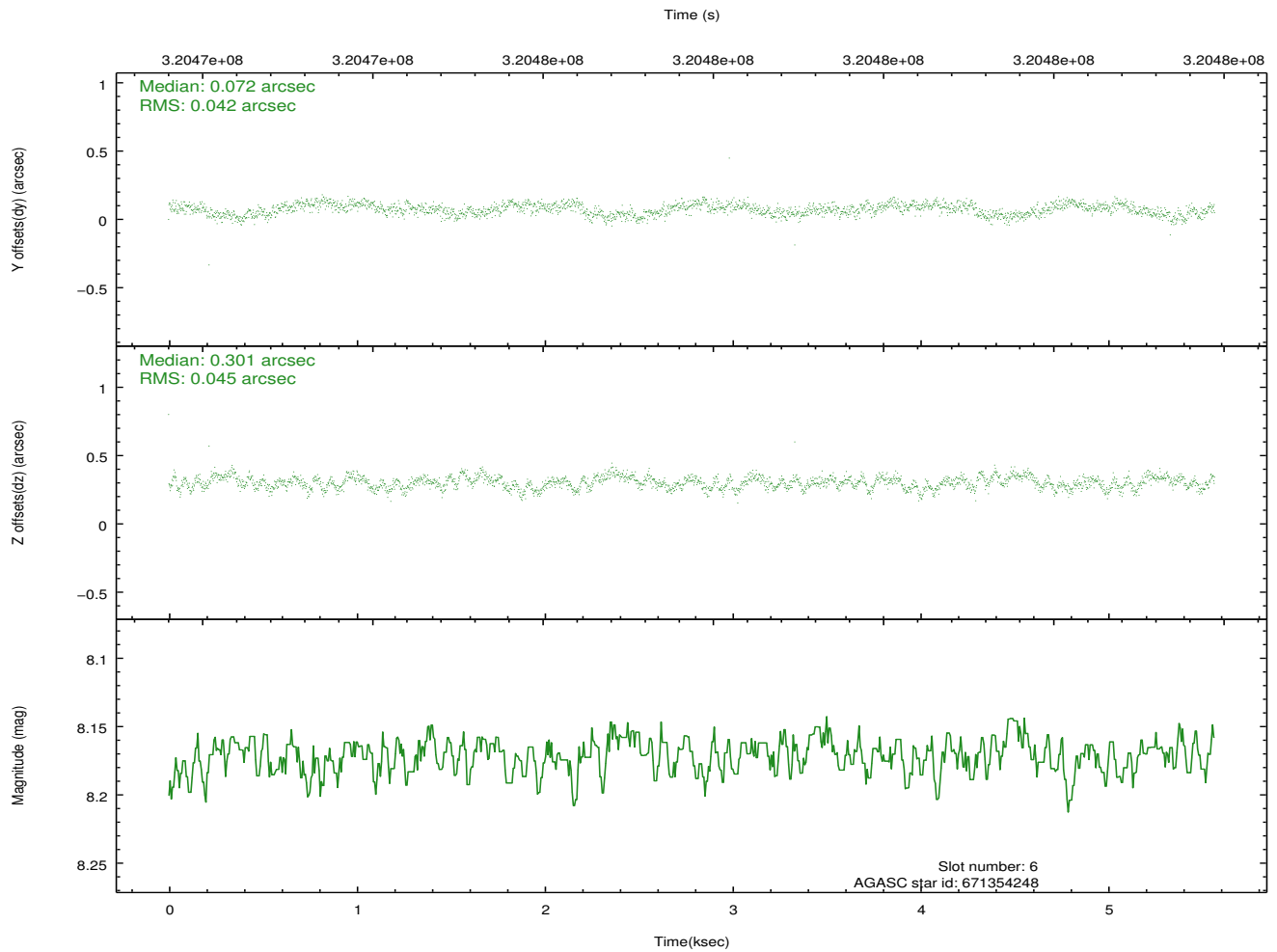
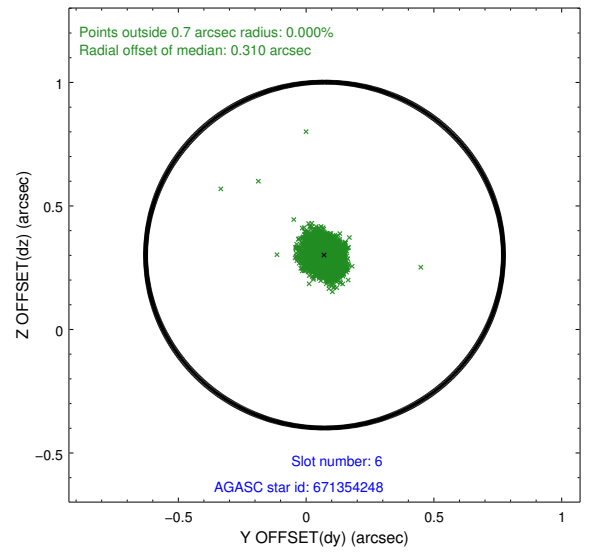
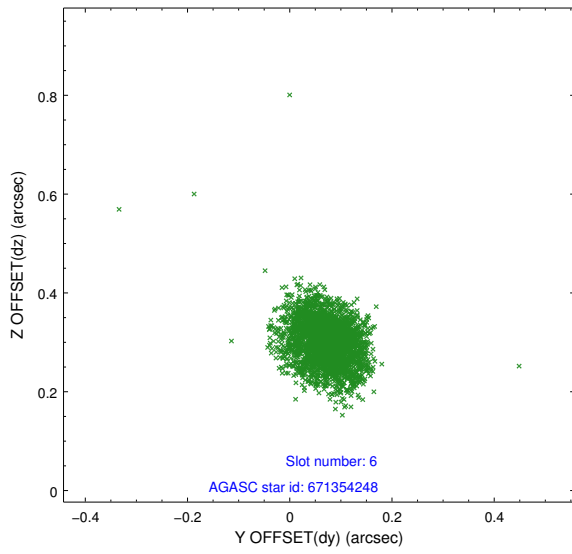
2.4.2 Slot 4



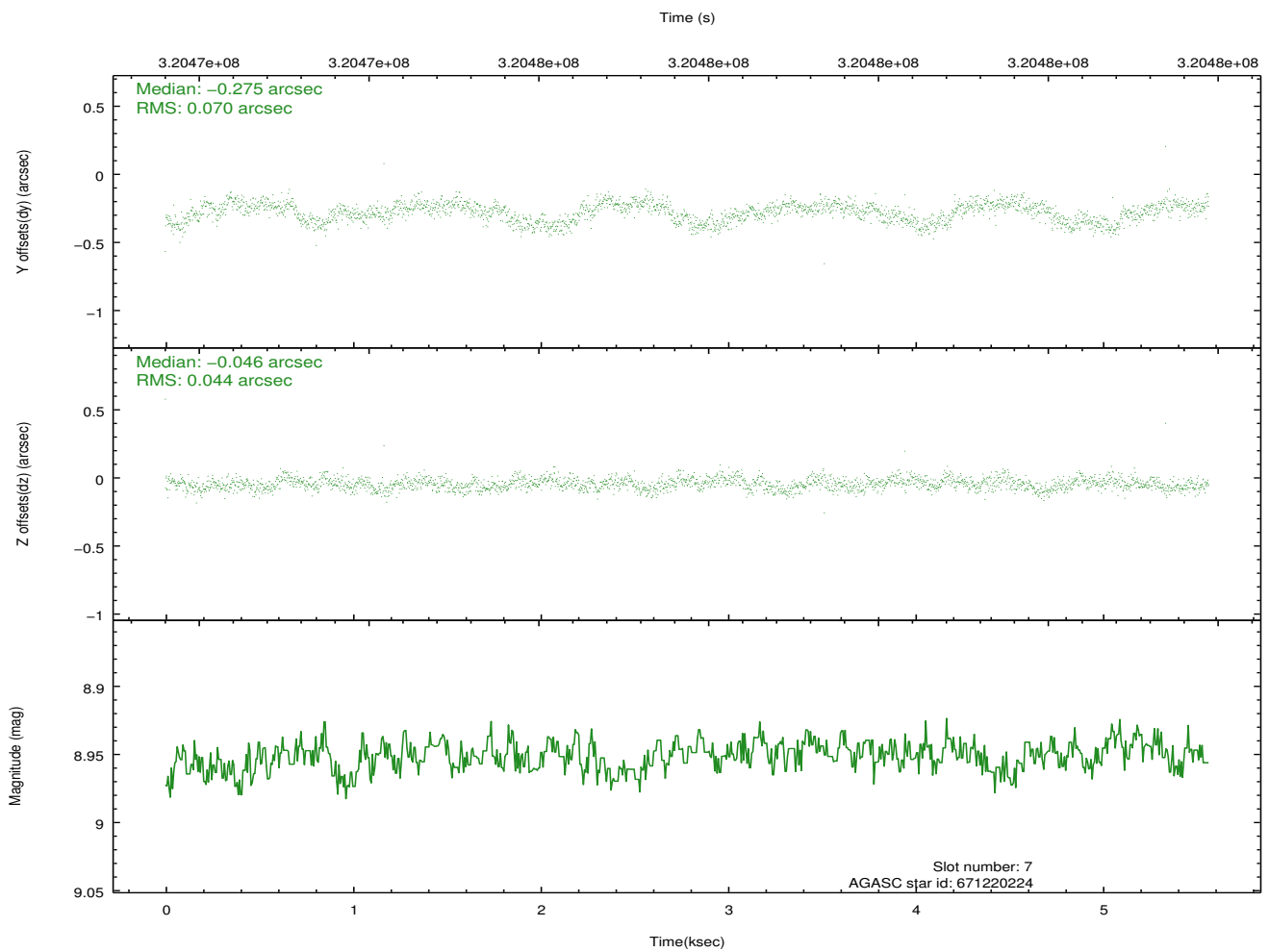
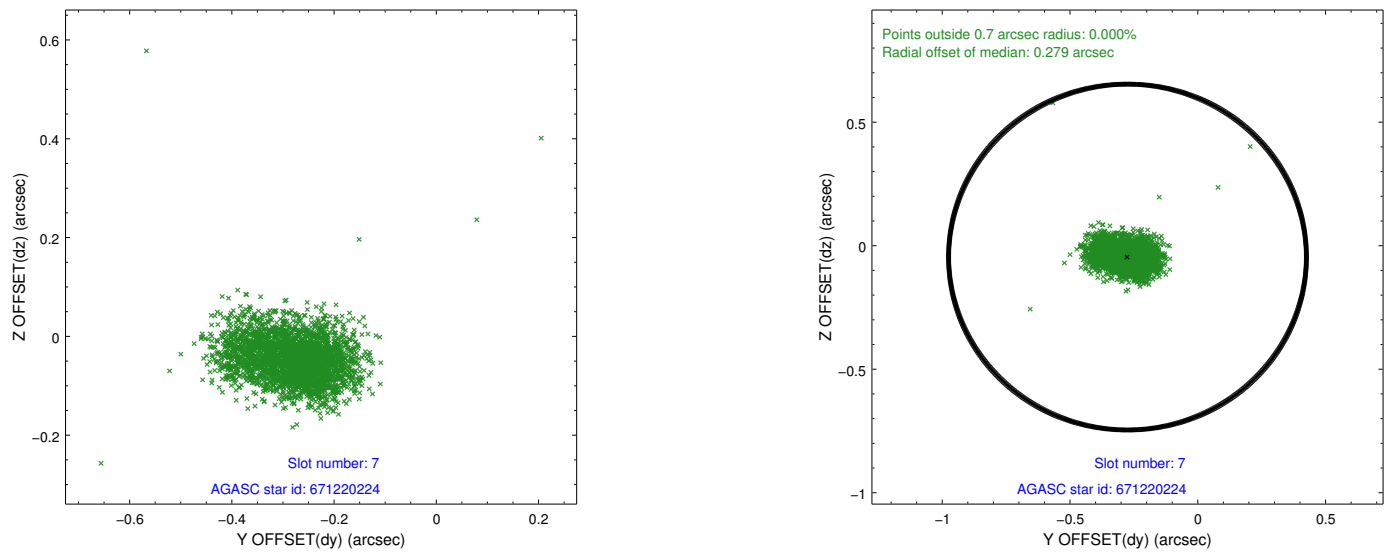
2.4.3 Slot 5



2.4.4 Slot 6

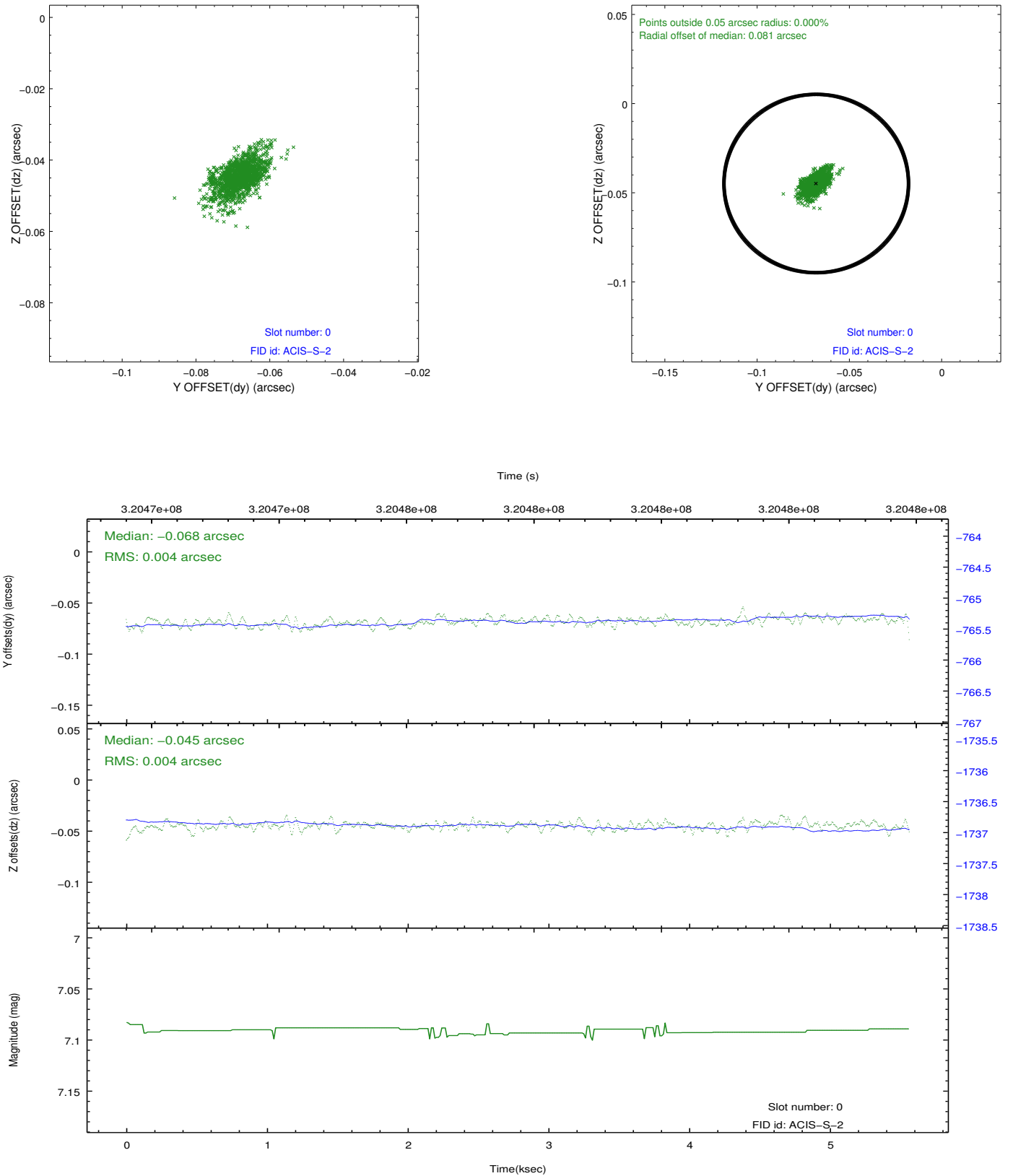


2.4.5 Slot 7

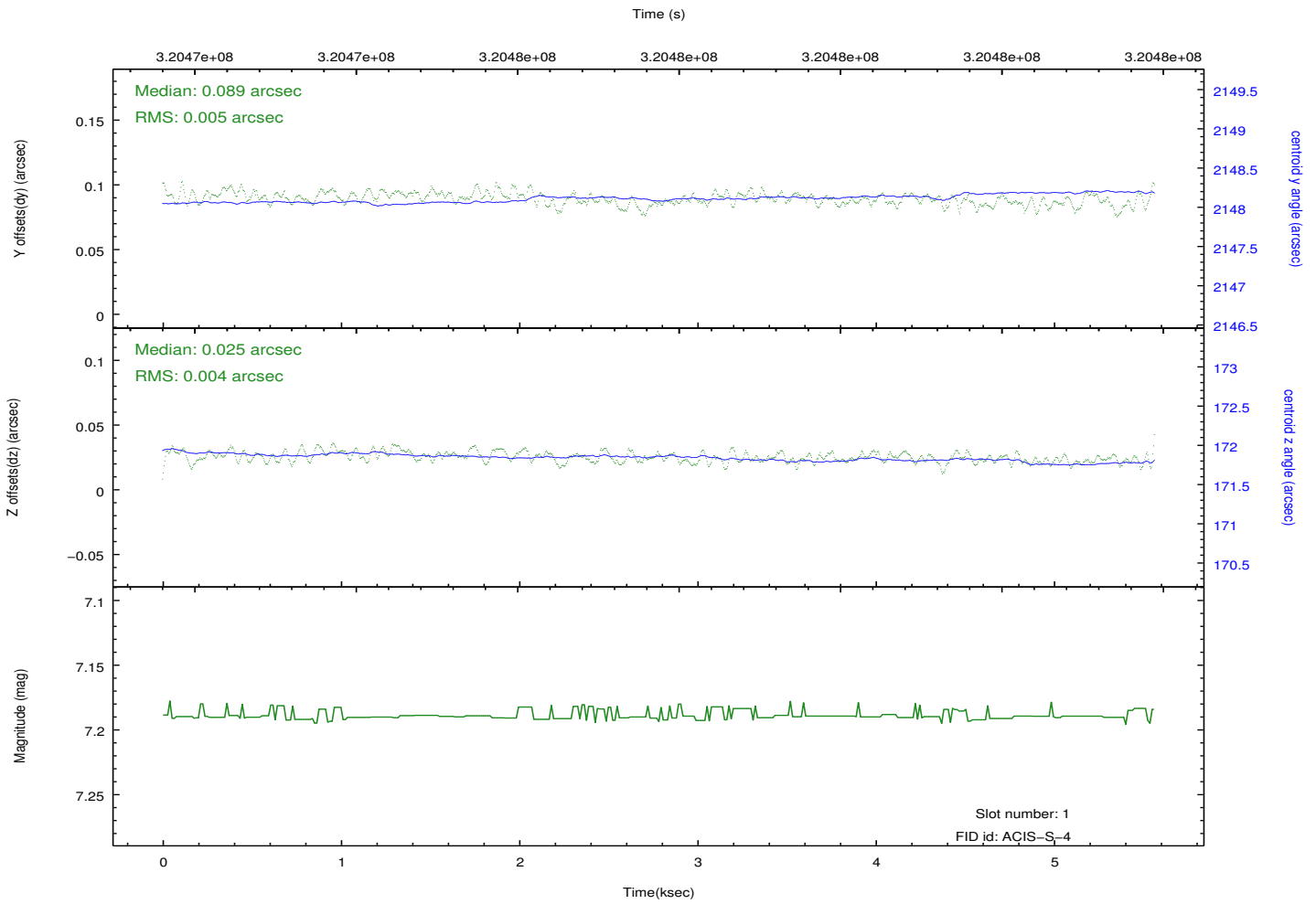
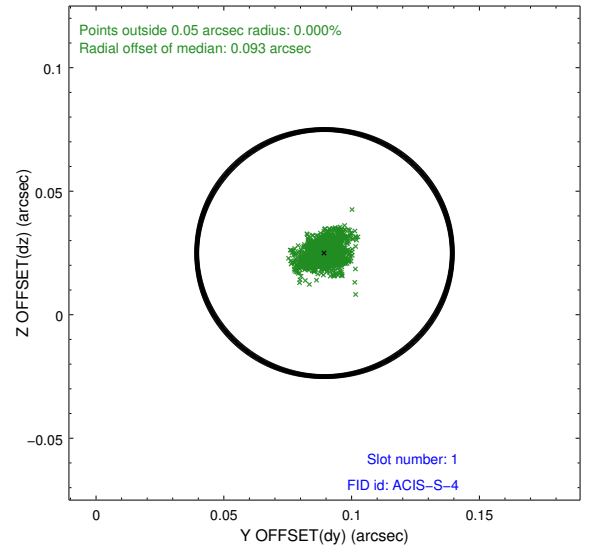
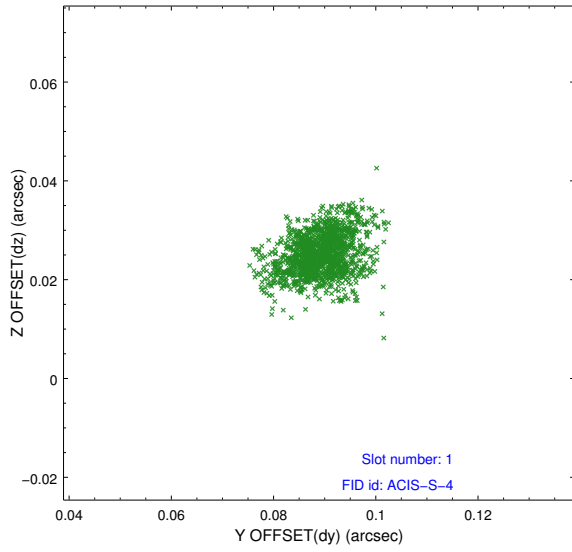


2.5 FID Slots

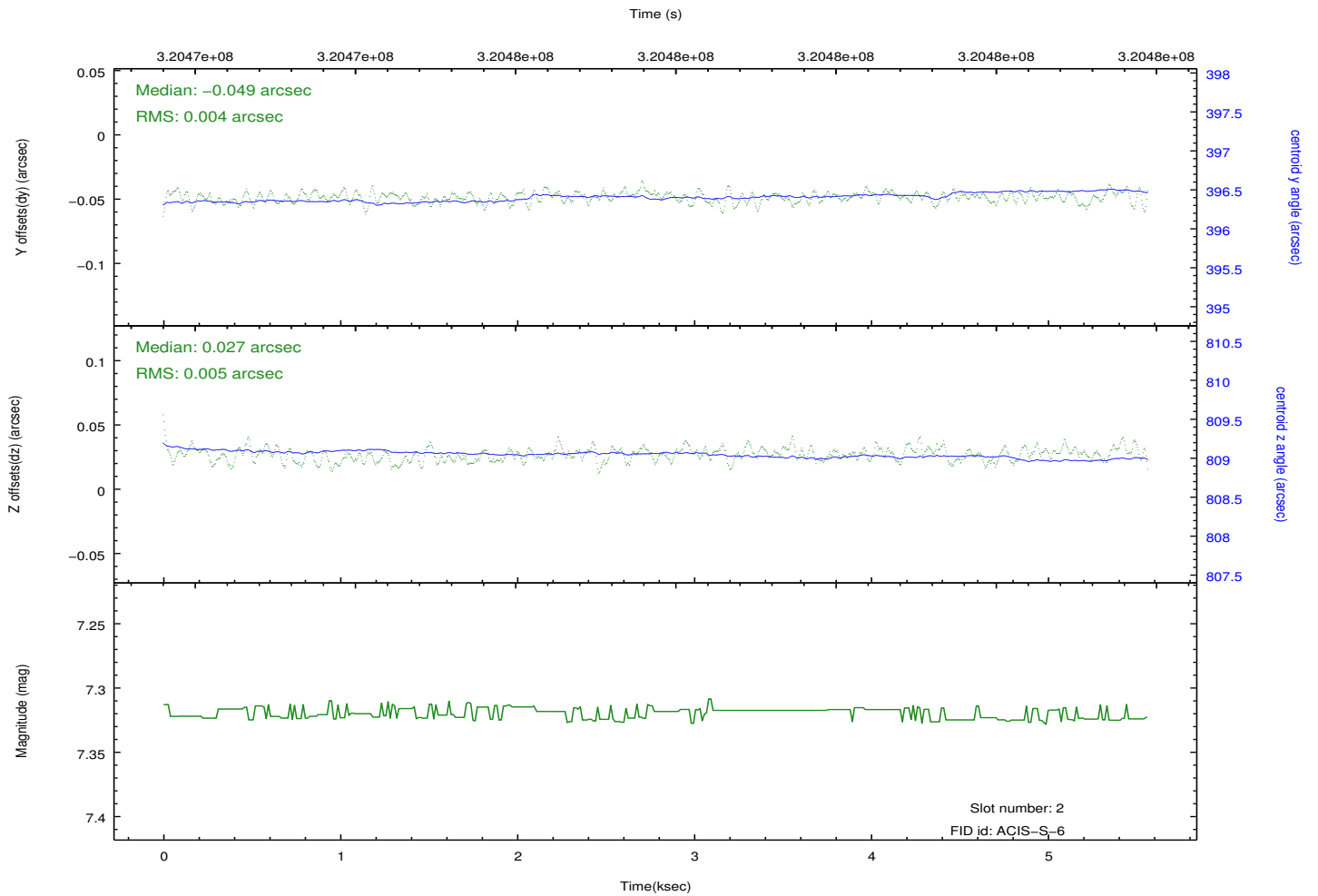
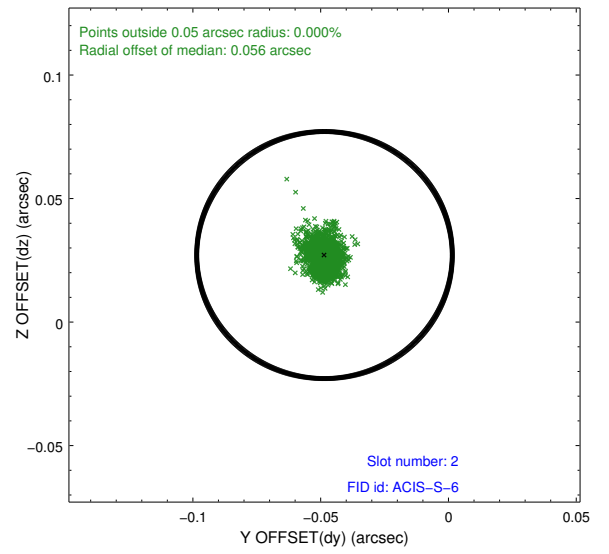
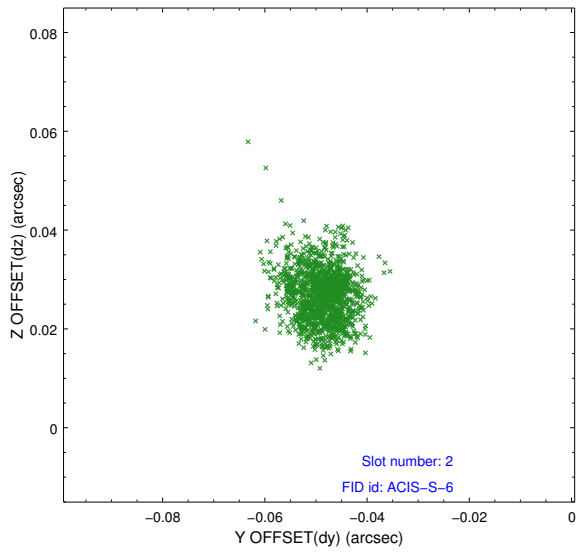
2.5.1 Slot 0



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)	2012.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.03130003

A.2 Comments