

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7552 - L2 Version 2
Chandra X-Ray Center

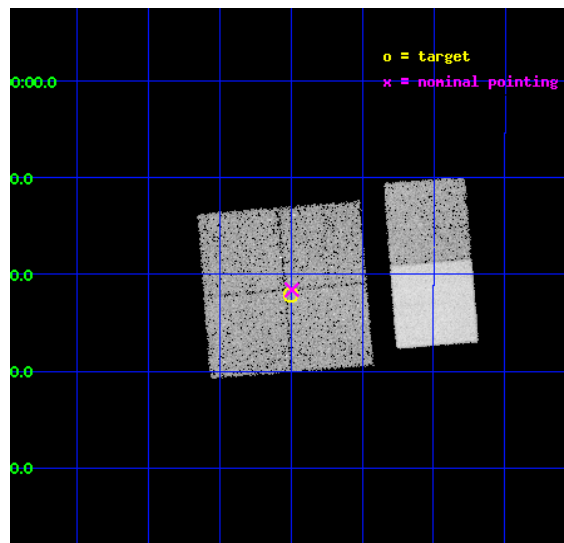
L2 Processing Date : May 10 2012

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1 Front

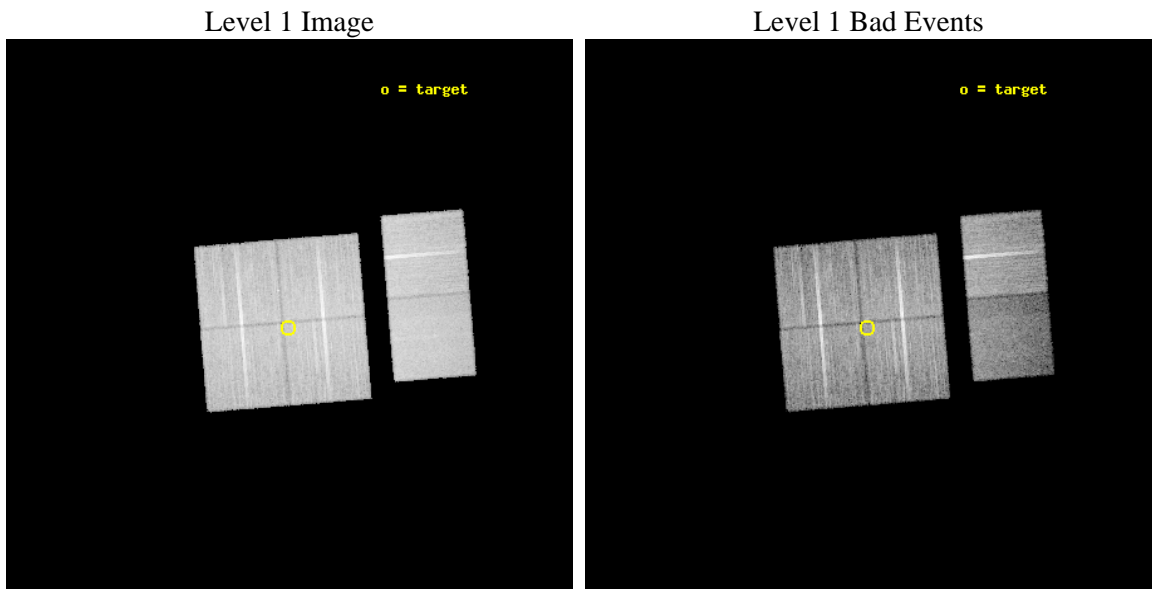
seq_num	400662	Sequence number
obs_id	7552	Observation id
title	Using Chandra to investigate the X-ray properties of the enigmatic, bipolar TeV source HESS J1841-053	Proposal title
observer	Dr. Gerd Puehlhofer	Principal investigator
object	HESS J1841-053-NE	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	280.5	Observer's specified target RA [deg]
dec_targ	-5.367778	Observer's specified target Dec [deg]
ra_nom	280.49822869373	Nominal RA [deg]
dec_nom	-5.3598804811359	Nominal Dec [deg]
roll_nom	85.32781588268	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19145.558988273	Sum of GTIs [s]
livetime	18903.126392292	Livetime [s]
ontime0	19145.558958352	Sum of GTIs [s]
ontime1	19148.799928725	Sum of GTIs [s]
ontime2	19148.799928725	Sum of GTIs [s]
ontime3	19145.558988273	Sum of GTIs [s]
ontime6	19148.799928725	Sum of GTIs [s]
ontime7	19148.799928725	Sum of GTIs [s]
l2events	132538	Number of level 2 events



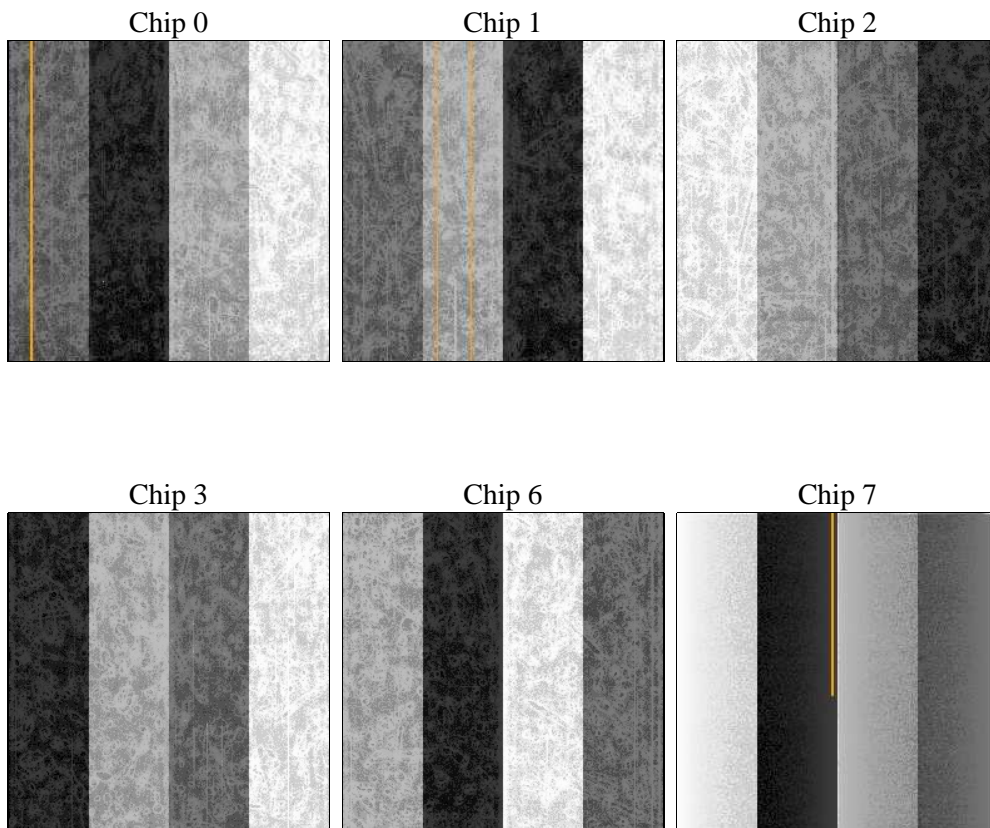
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19145.558988273	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	19145.558958352	Sum of GTIs [s]
date	2012-05-10T22:30:13	Date and time of file creation	ontime1	19148.799928725	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	19148.799928725	Sum of GTIs [s]
			ontime3	19145.558988273	Sum of GTIs [s]
			ontime6	19148.799928725	Sum of GTIs [s]
			ontime7	19148.799928725	Sum of GTIs [s]
			l1events	843037	Number of level 1 events

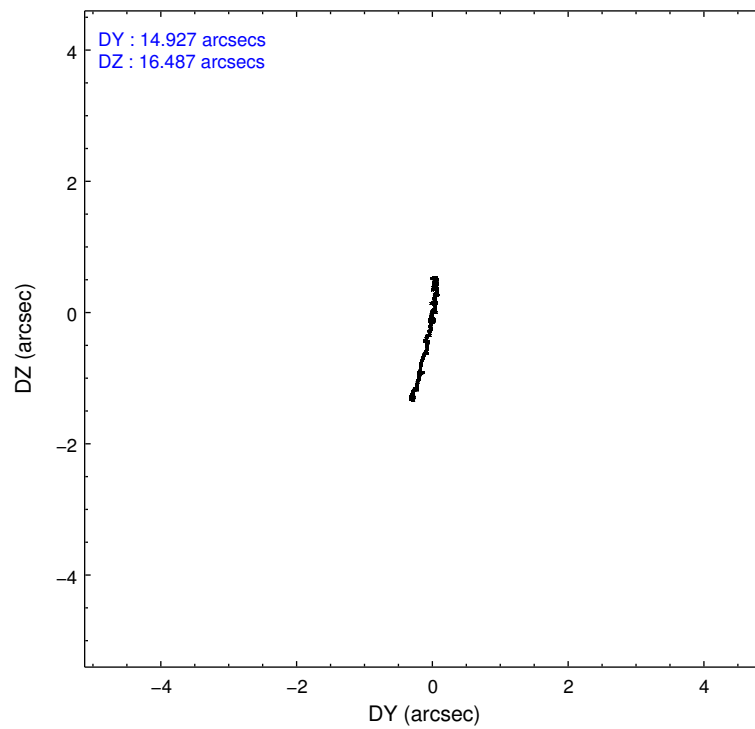
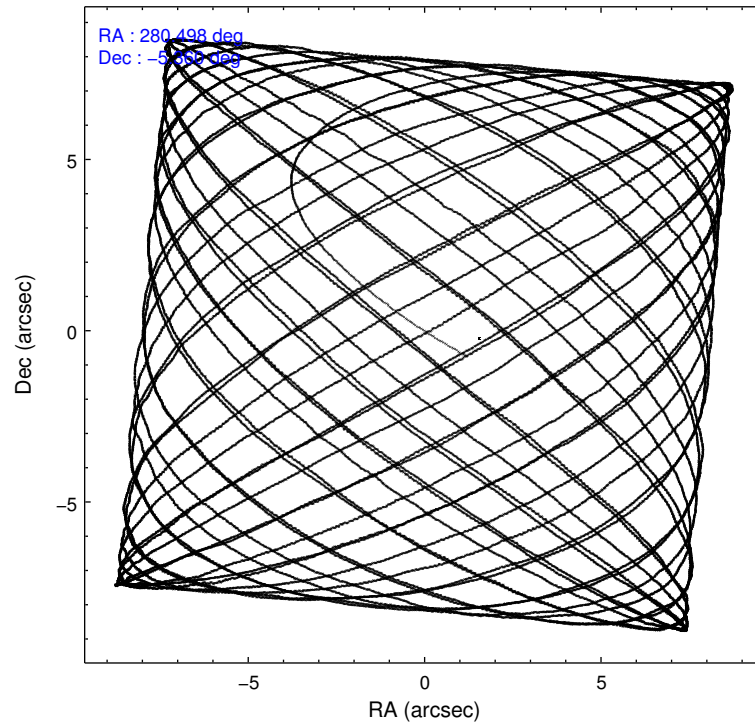
2.1.4 Events

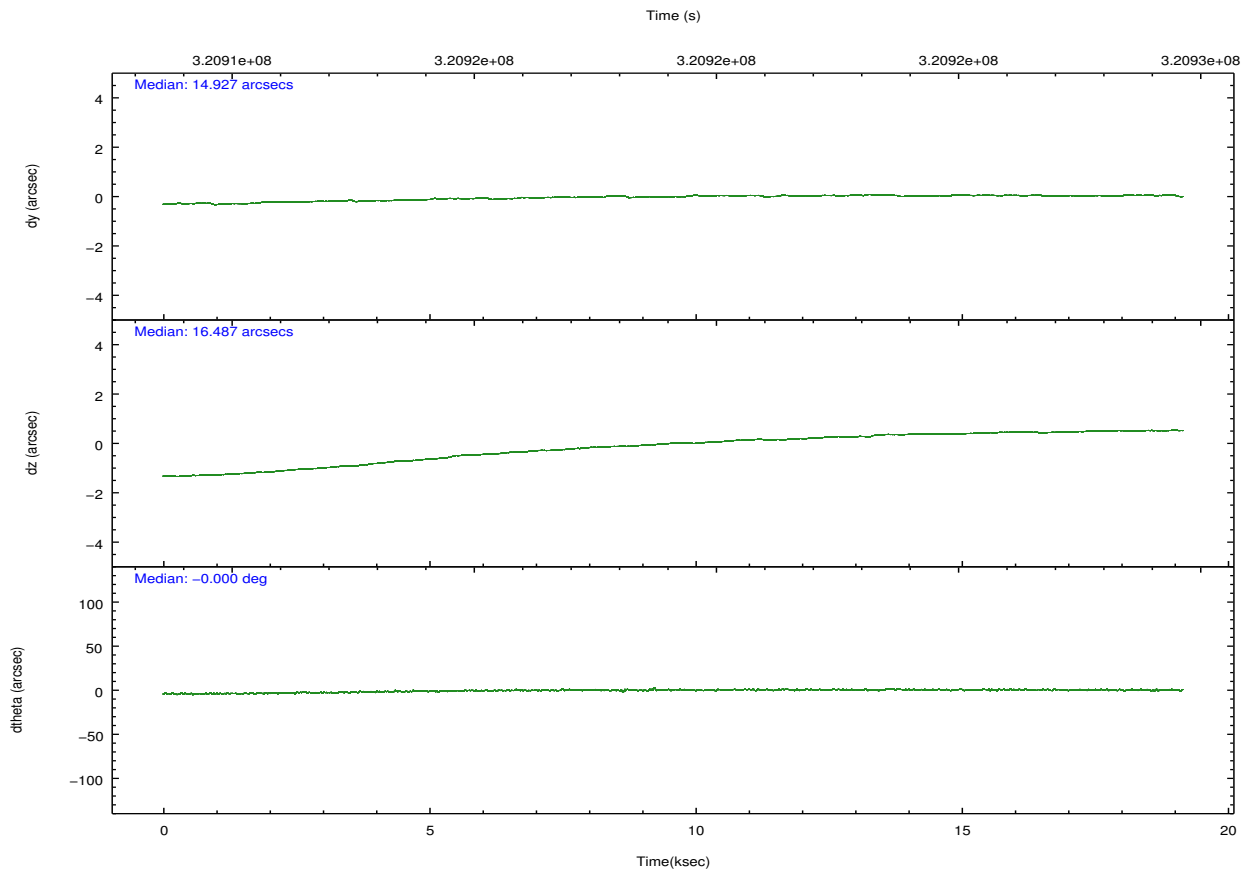
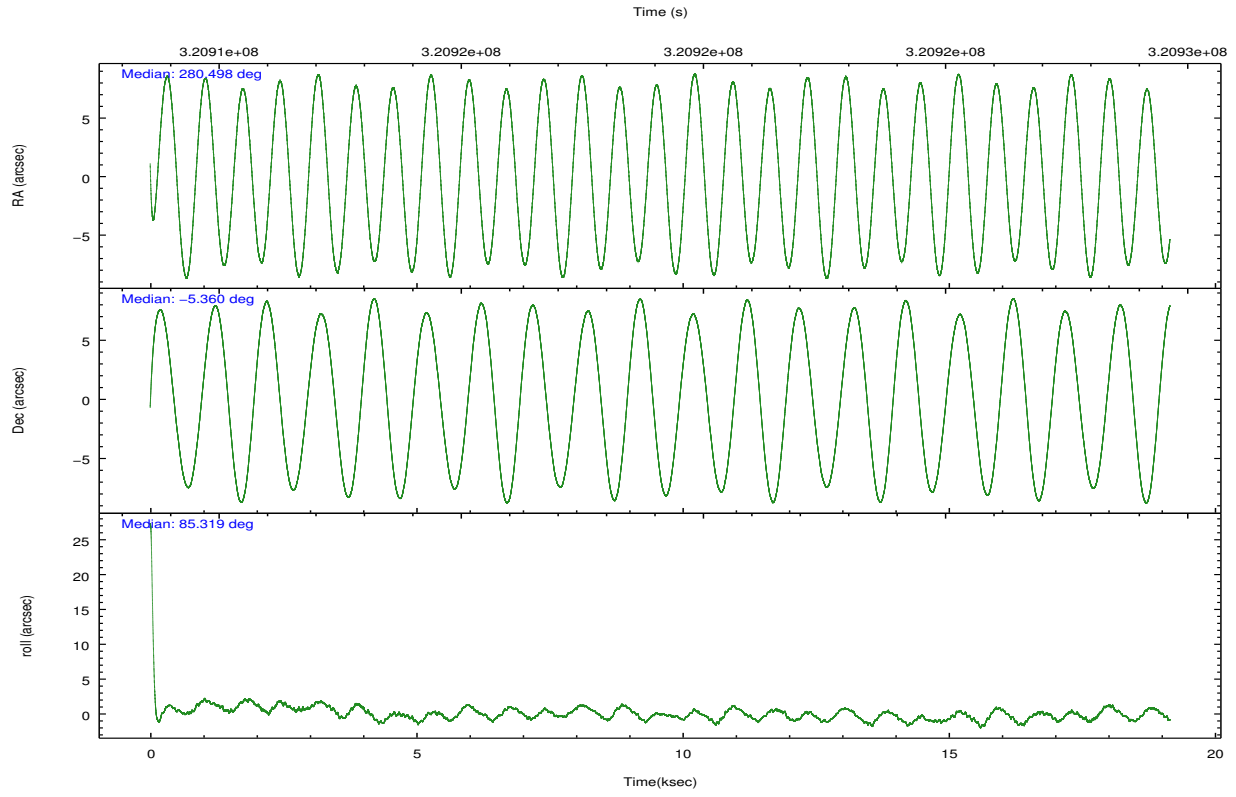
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	137967	130843	148260	141608	146044	138315	grade 0 events	6468	6526	6541	6601	6574	7255
rejected events	122028	114505	133063	126267	129783	69531		4%	4%	4%	4%	4%	5%
rejected %	88%	87%	89%	89%	88%	50%	grade 1 events	92	78	98	95	94	236
								0%	0%	0%	0%	0%	0%
							grade 2 events	3746	3471	3407	3170	3498	14678
								2%	2%	2%	2%	2%	10%
							grade 3 events	1587	1759	1426	1537	1610	6578
								1%	1%	0%	1%	1%	4%
							grade 4 events	1558	1643	1530	1496	1591	6453
								1%	1%	1%	1%	1%	4%
							grade 5 events	4211	4597	3867	4900	5018	14741
								3%	3%	2%	3%	3%	10%
							grade 6 events	2593	2950	2305	2544	3003	33883
								1%	2%	1%	1%	2%	24%
							grade 7 events	117712	109819	129086	121265	124656	54491
								85%	83%	87%	85%	85%	39%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	280.510141	280.4982286937324	Subarray requested	NONE	NONE
[deg] Pointing Dec	-5.384704	-5.359880481135903	Alternating exposures requested	N	N
[deg] Pointing Roll	85.120228	85.32781588267956	[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)	320909679.184000	320908611.21363			
Observation start date	2008-03-03T05:33:34	2008-03-03T05:16:51			
[s] Observation end time (MET)	320928679.184000	320929206.02713			
Observation end date	2008-03-03T10:50:14	2008-03-03T11:00:06			
Read mode	TIMED	TIMED			

2.3 Aspect



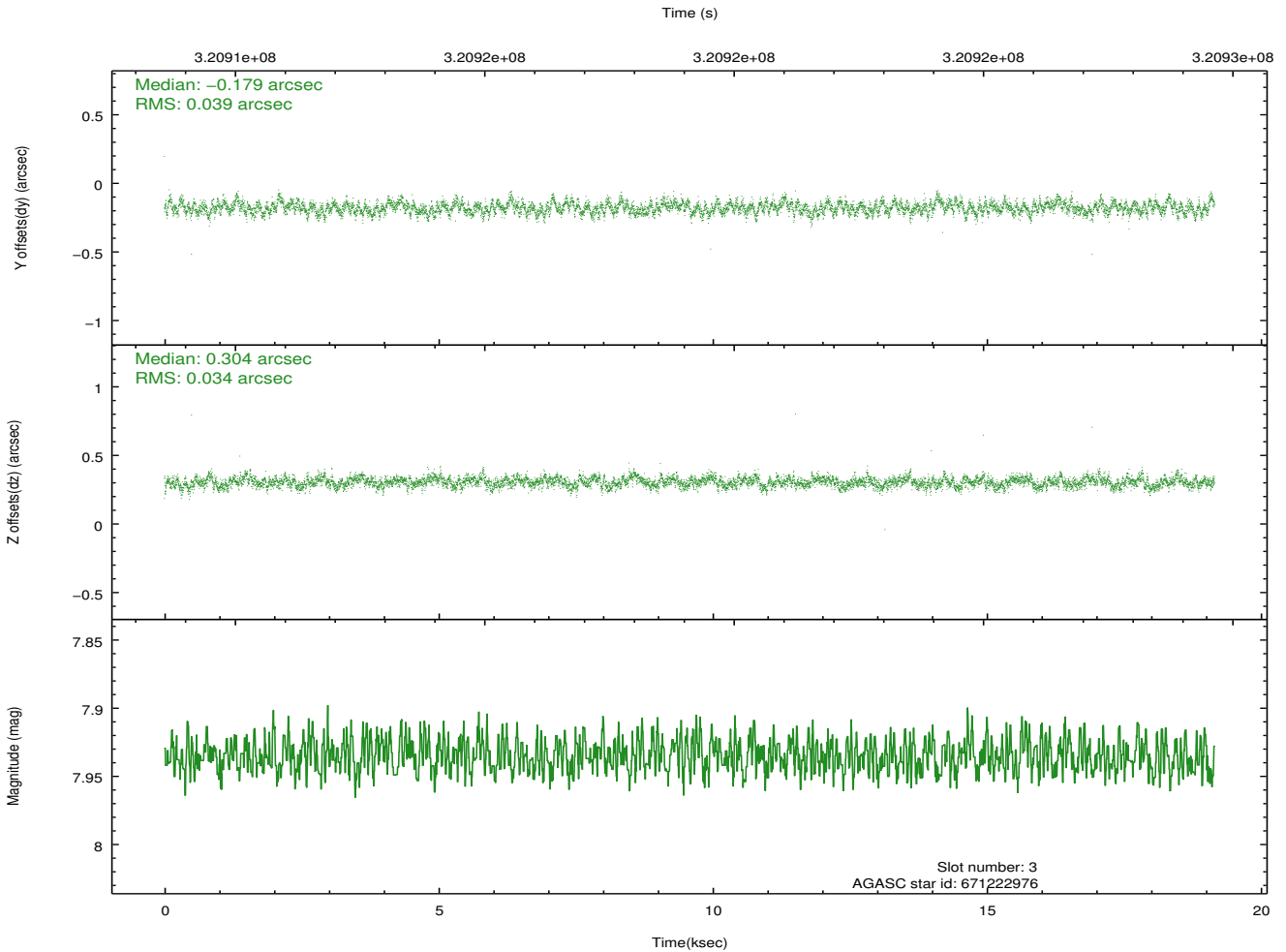
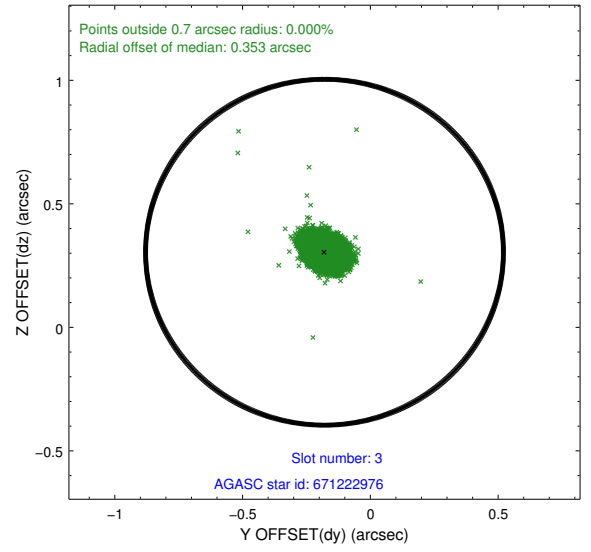
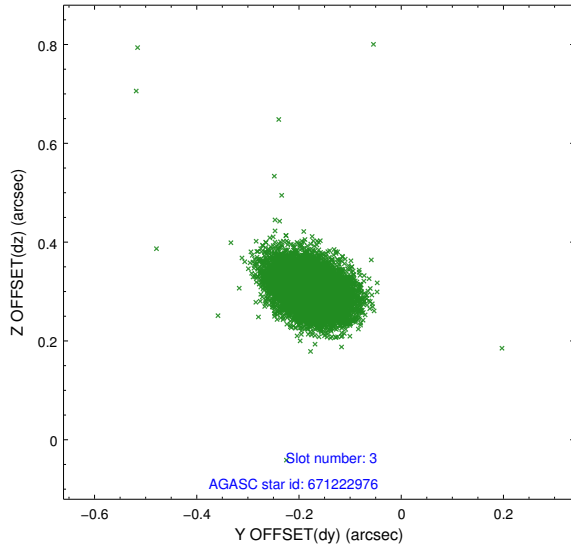


Slot Statistics

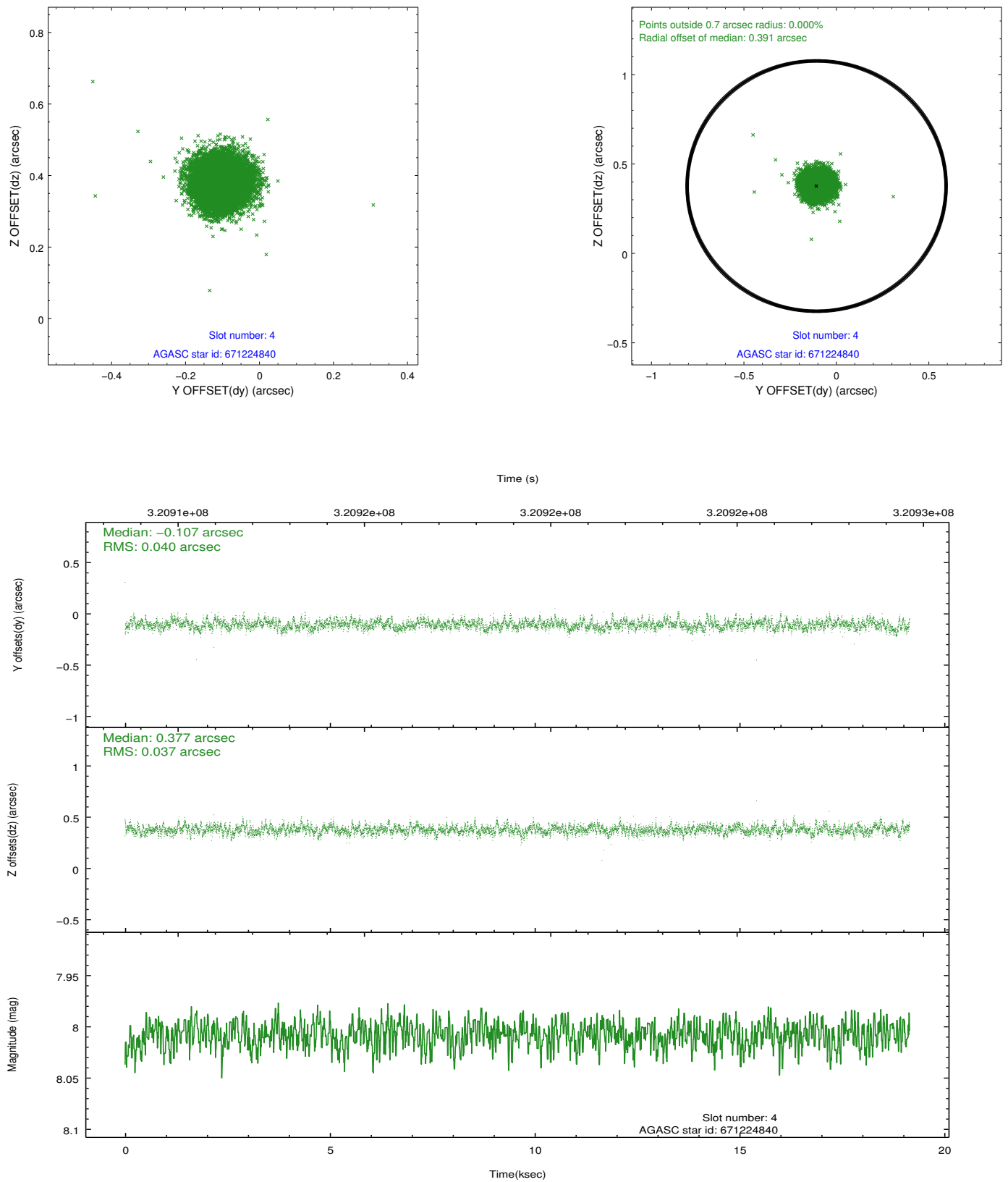
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	4673	0.061	-0.042	0.013	0.033	0.000000	0.000000	924.62	-840.01
1	FID	ACIS-I-5	7.22	4673	-0.212	0.060	0.012	0.025	0.000000	0.000000	-1823.60	1057.54
2	FID	ACIS-I-6	7.24	4673	0.060	0.056	0.018	0.027	0.000000	0.000000	390.01	1702.22
3	GUIDE	671222976	7.94	9343	-0.179	0.304	0.053	0.089	281.033634	-5.005625	1518.86	-1753.89
4	GUIDE	671224840	8.01	9346	-0.107	0.377	0.058	0.094	281.186627	-5.187666	912.29	-2355.86
5	GUIDE	671227032	9.07	9334	-0.142	-0.267	0.068	0.110	279.928425	-4.802281	1910.41	2257.60
6	GUIDE	671762280	8.86	9341	0.315	-0.217	0.089	0.137	280.028746	-5.773981	-1543.83	1598.15
7	GUIDE	671763744	7.53	9345	0.109	-0.199	0.047	0.078	280.132895	-5.707615	-1273.83	1247.52

2.4 Star Slots

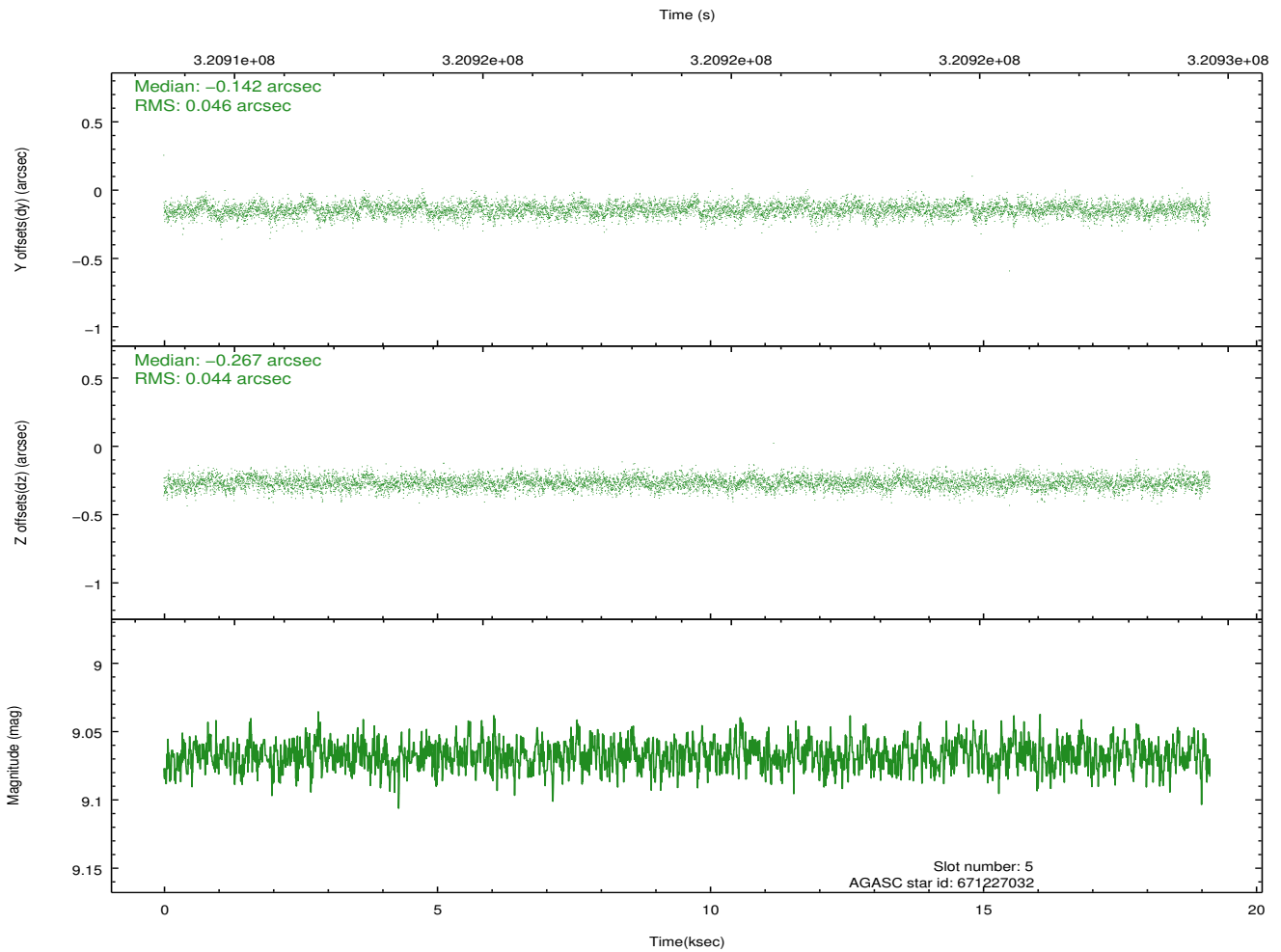
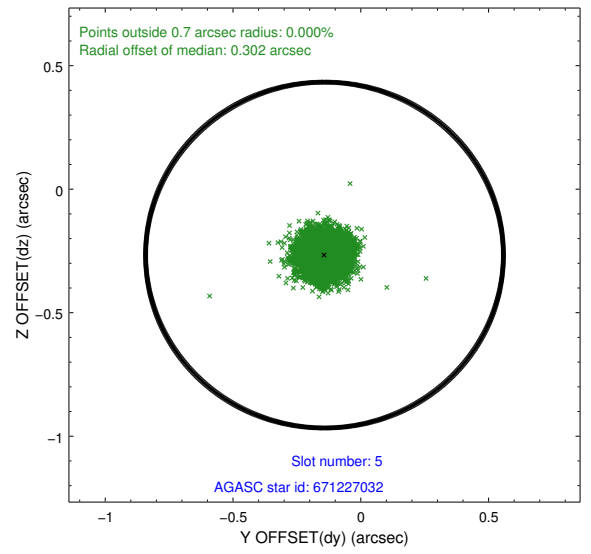
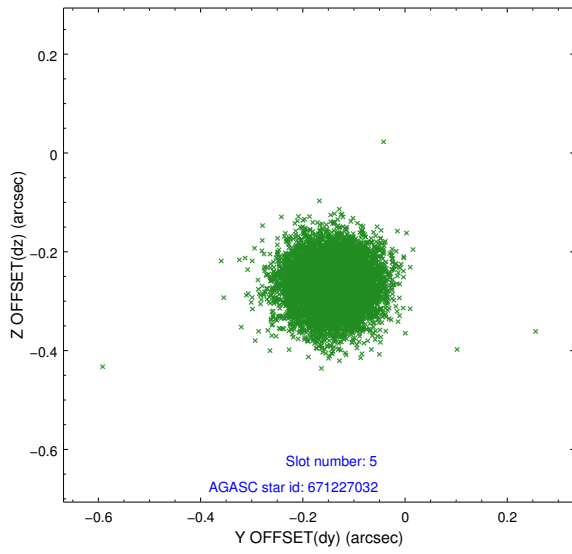
2.4.1 Slot 3



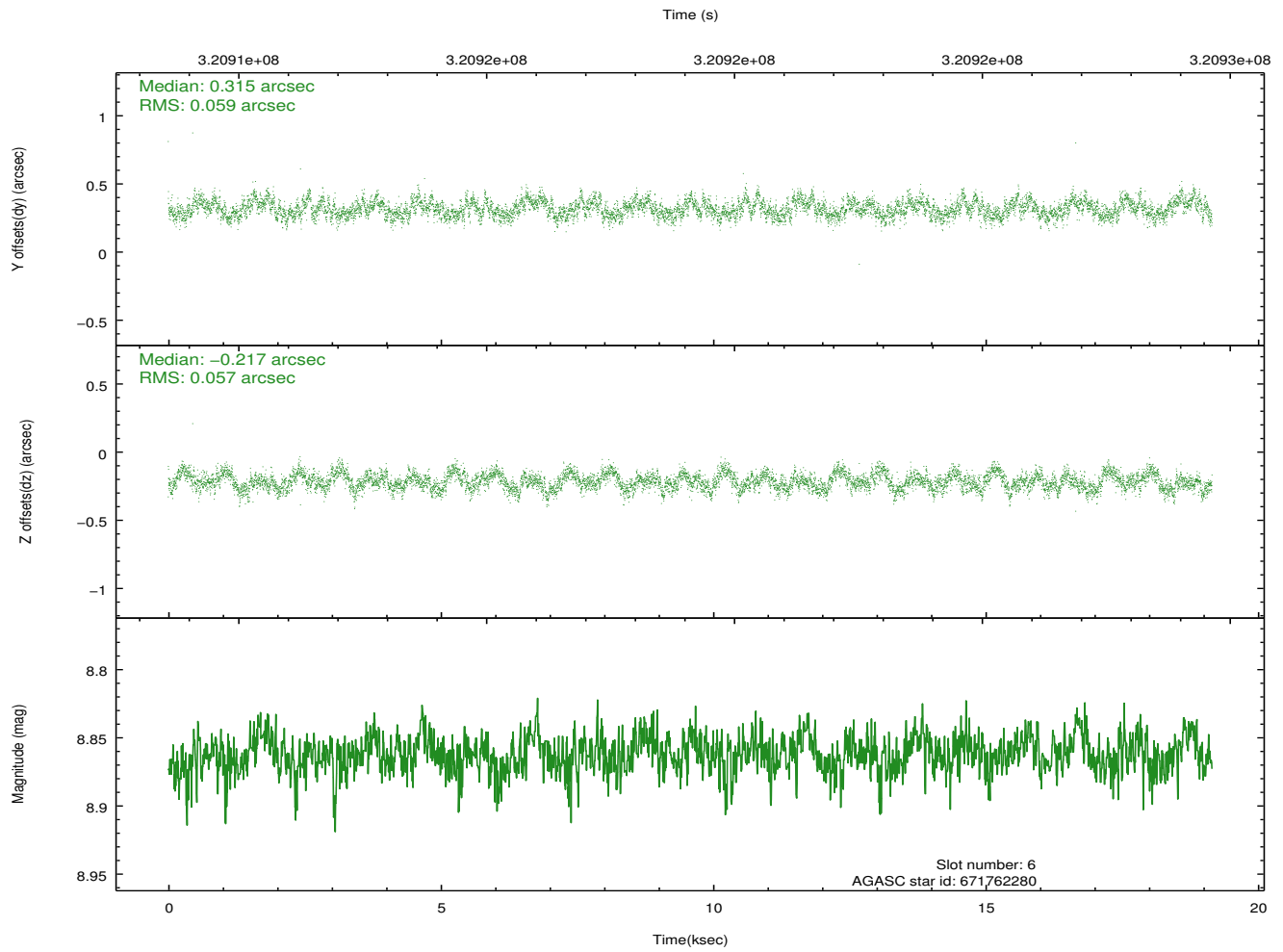
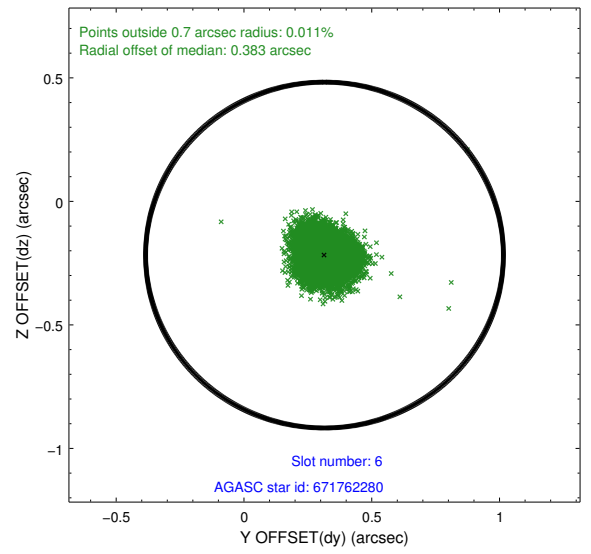
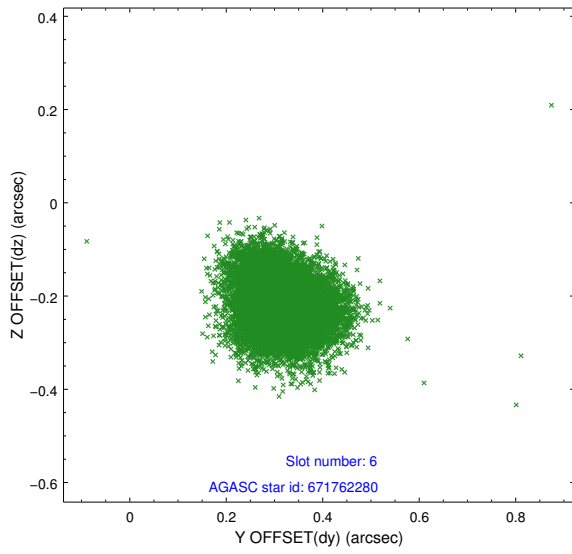
2.4.2 Slot 4



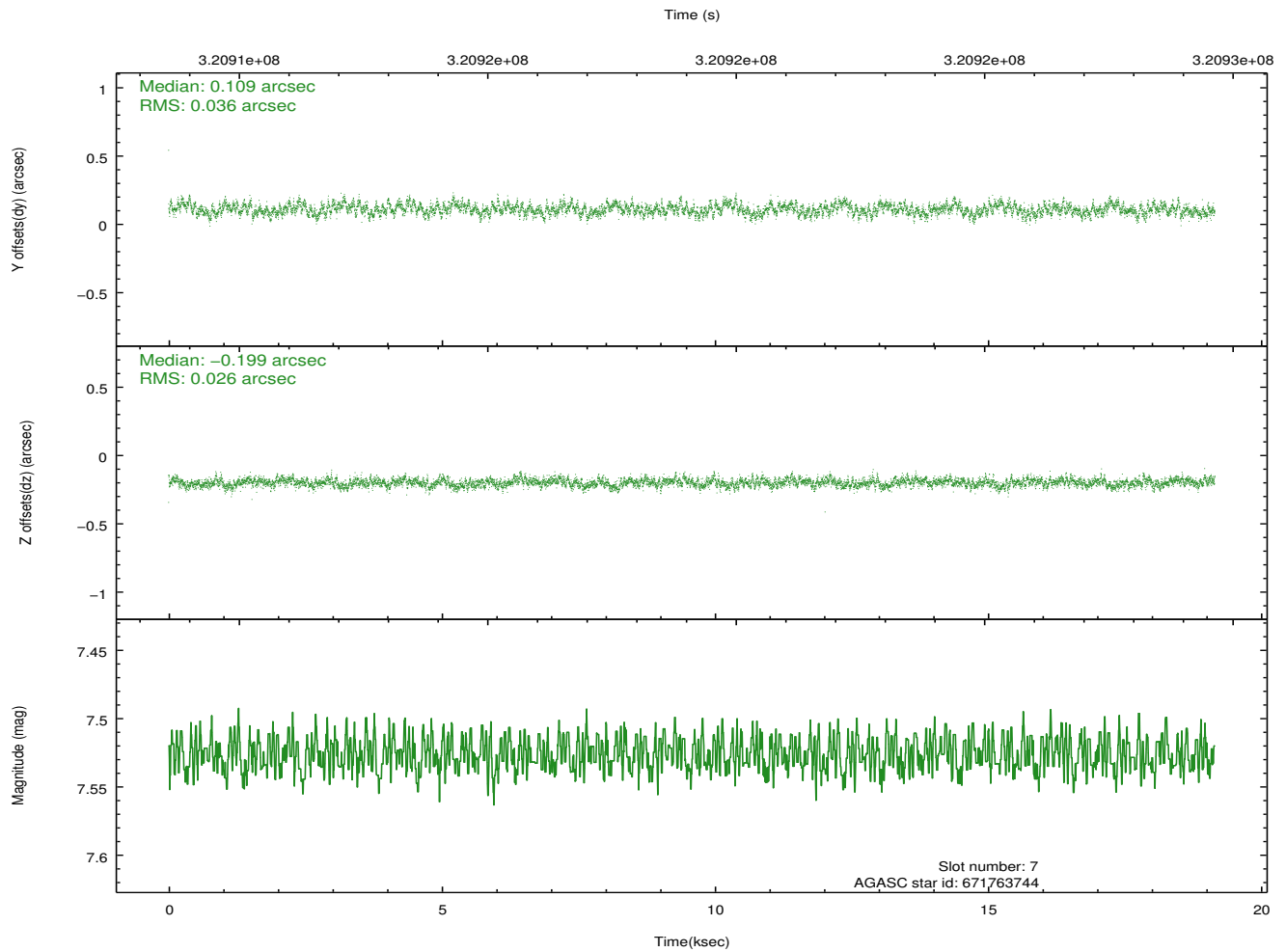
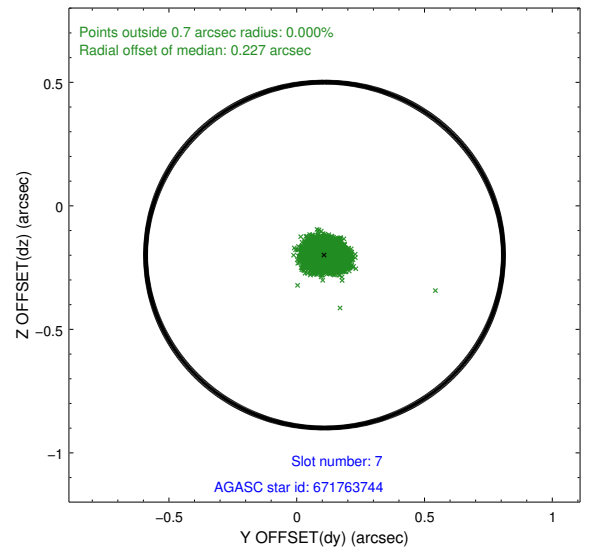
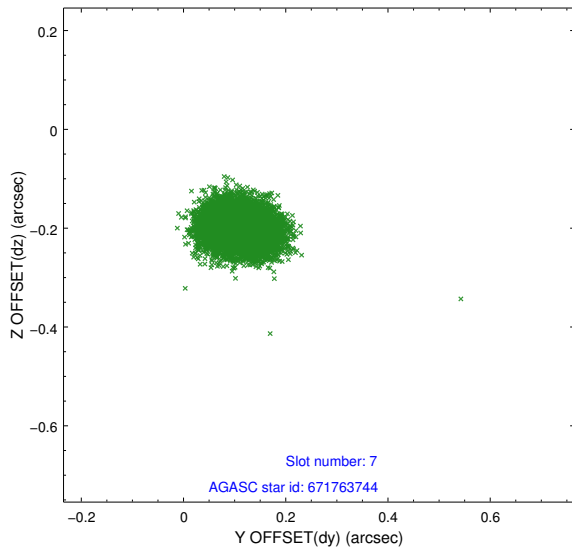
2.4.3 Slot 5



2.4.4 Slot 6

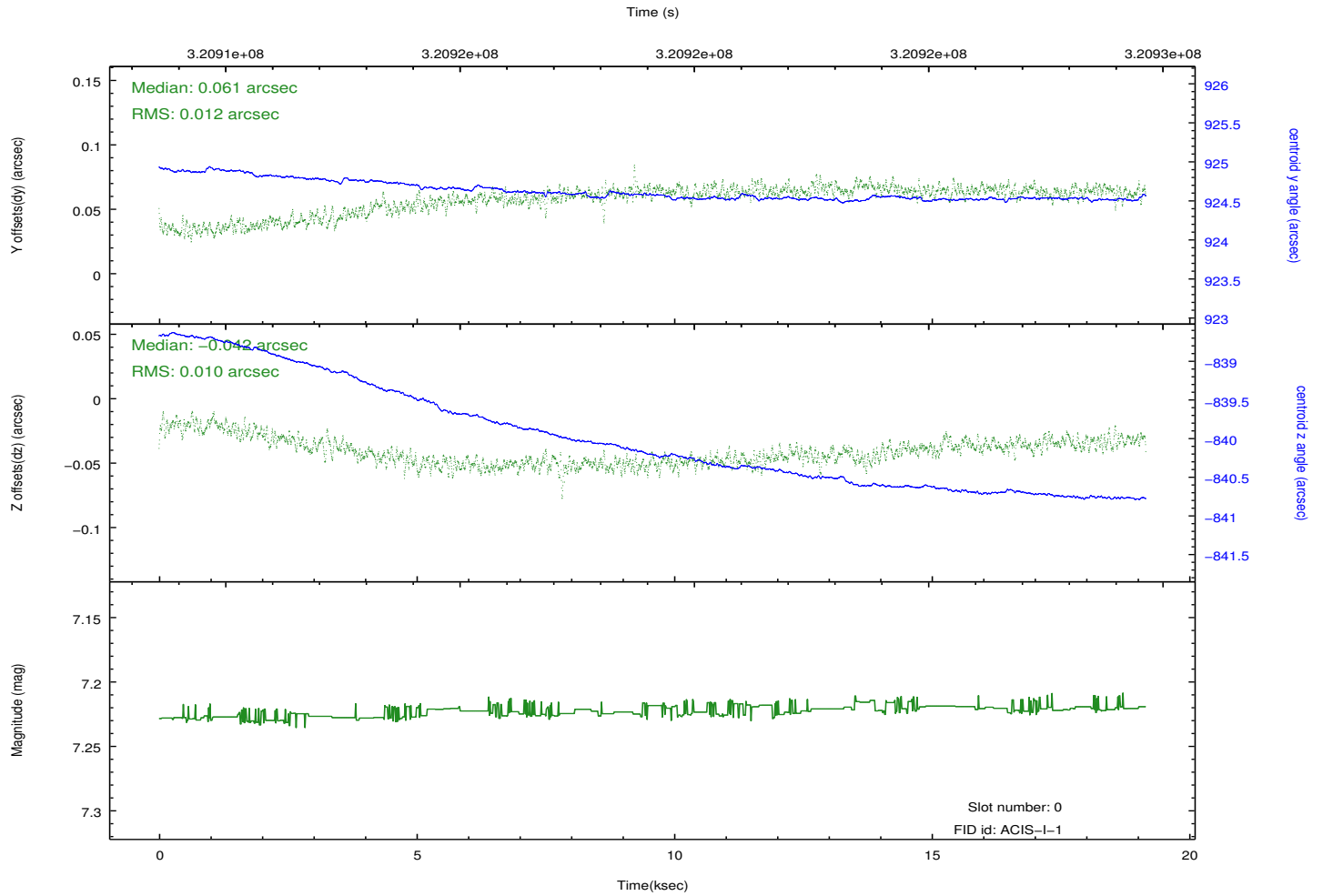
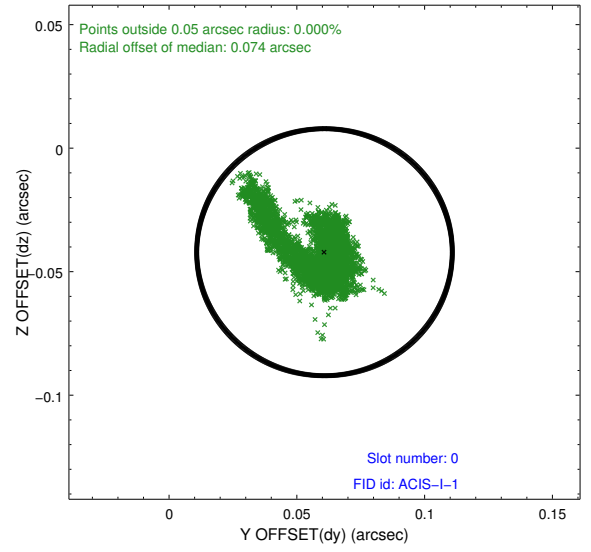
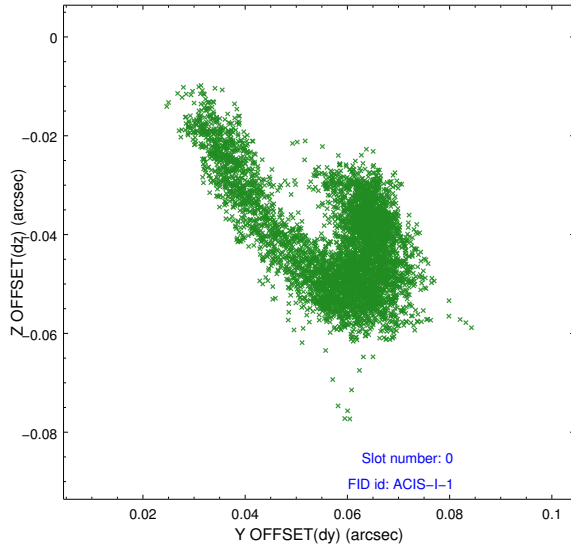


2.4.5 Slot 7

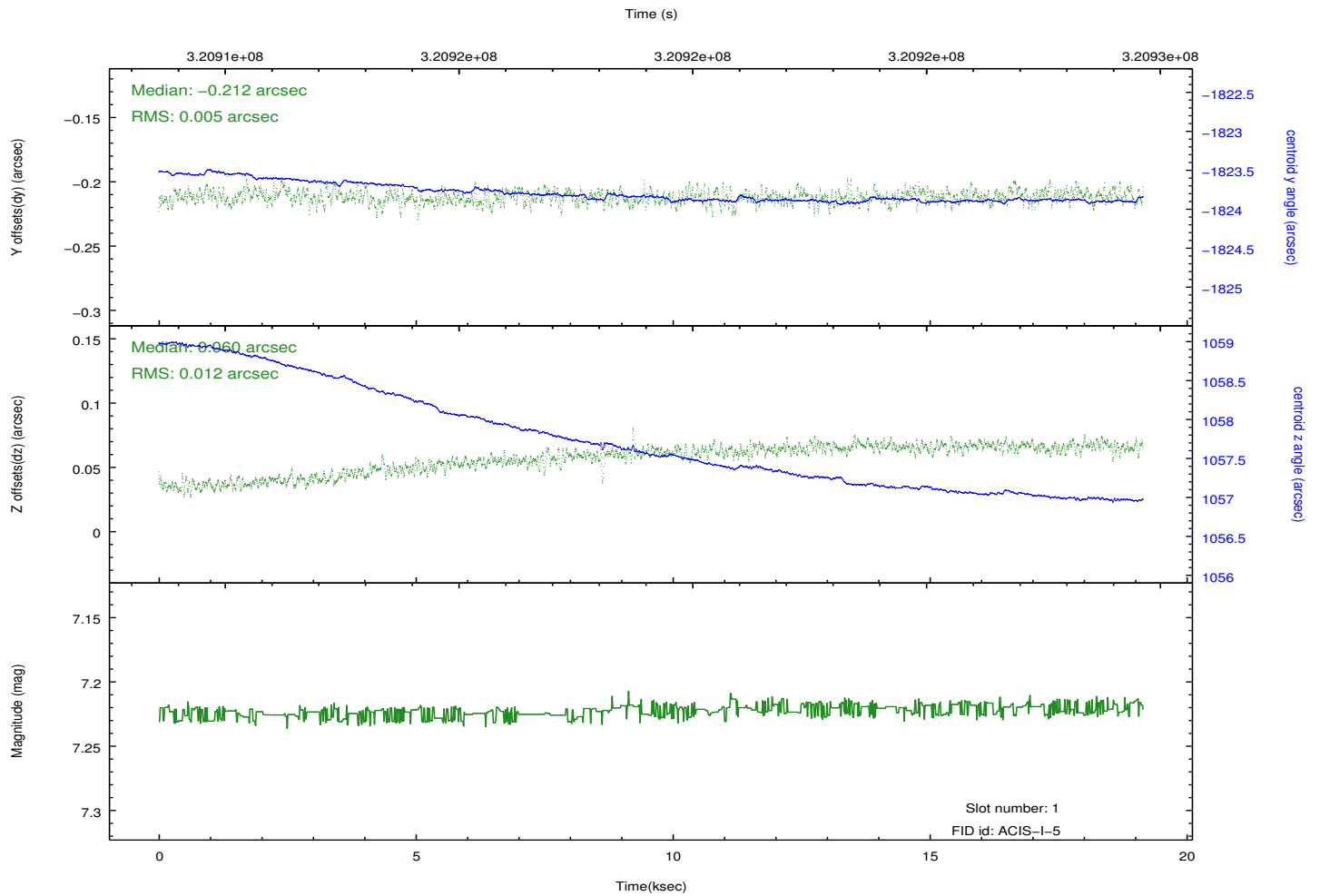
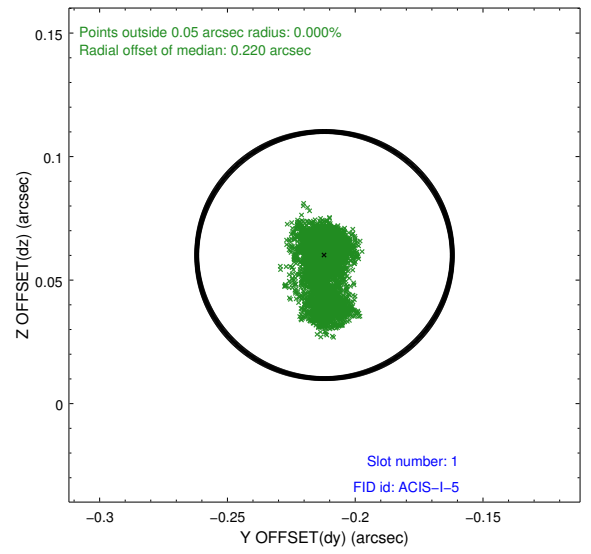
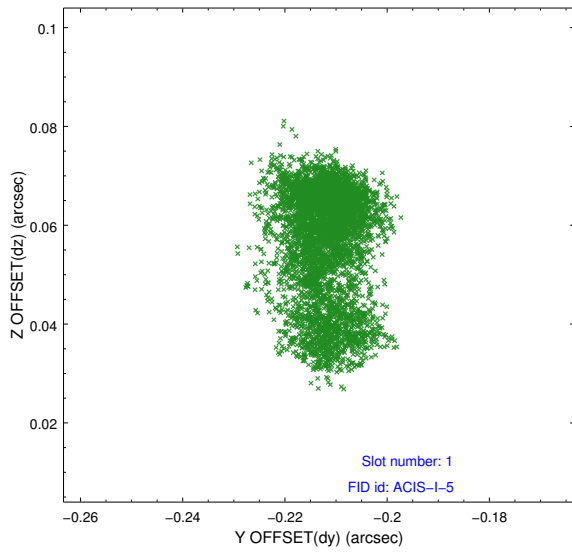


2.5 FID Slots

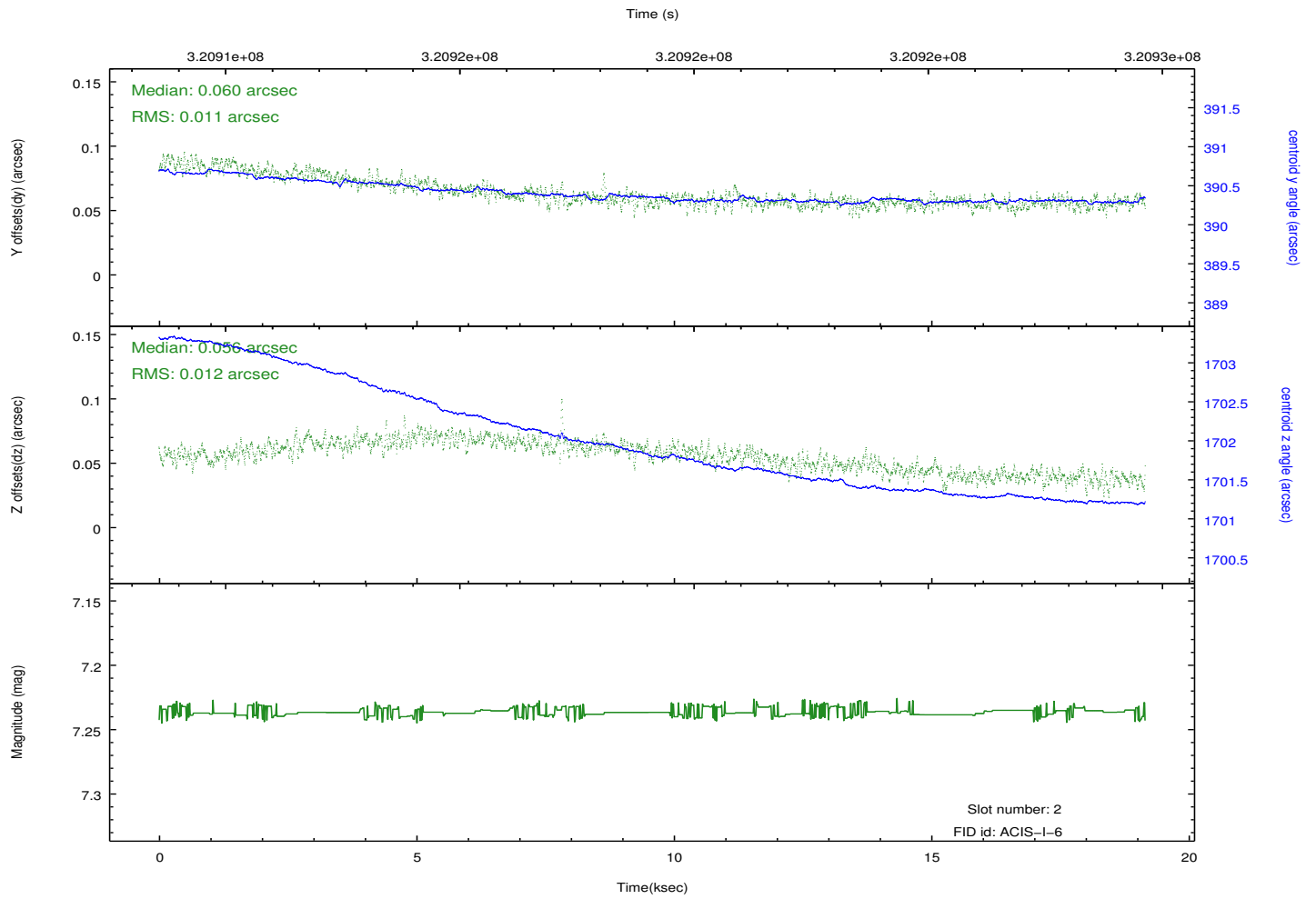
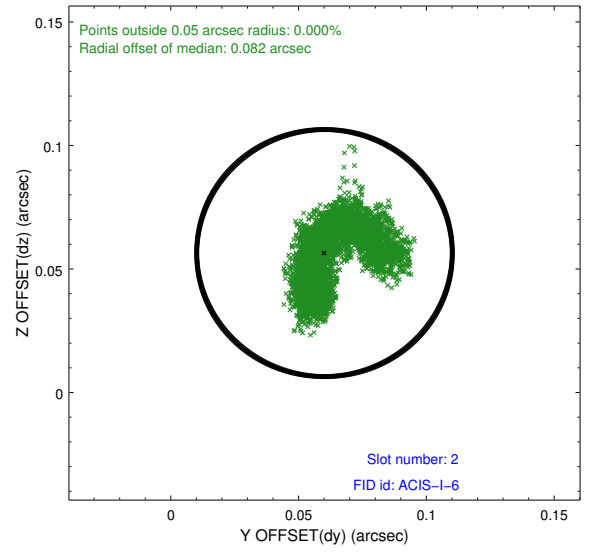
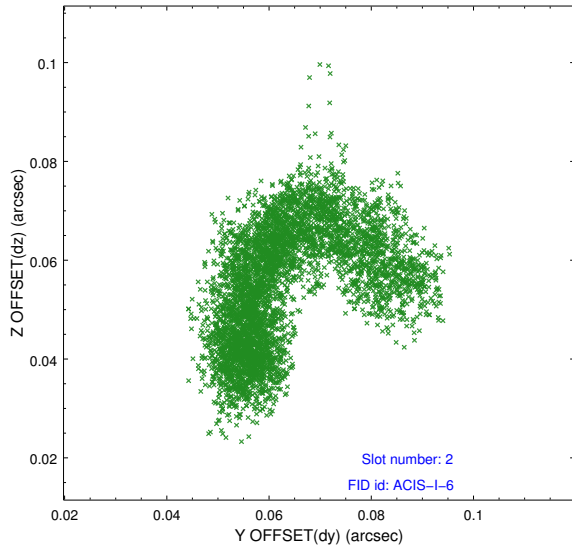
2.5.1 Slot 0



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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.1455589

A.2 Comments