

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2815 - L2 Version 3
Chandra X-Ray Center

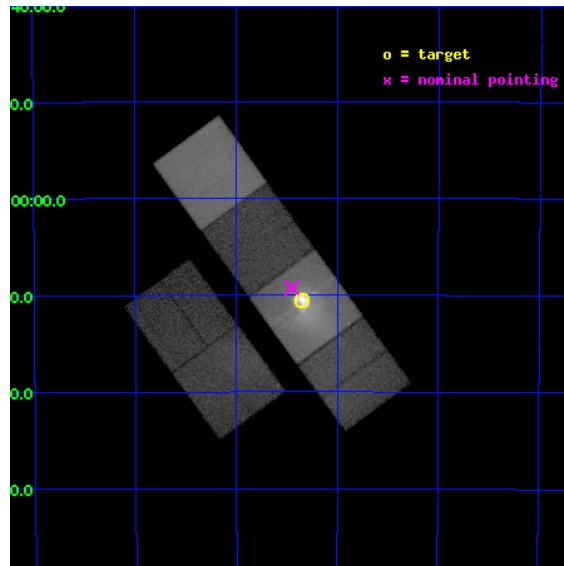
L2 Processing Date : Sep 28 2012

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1 Front

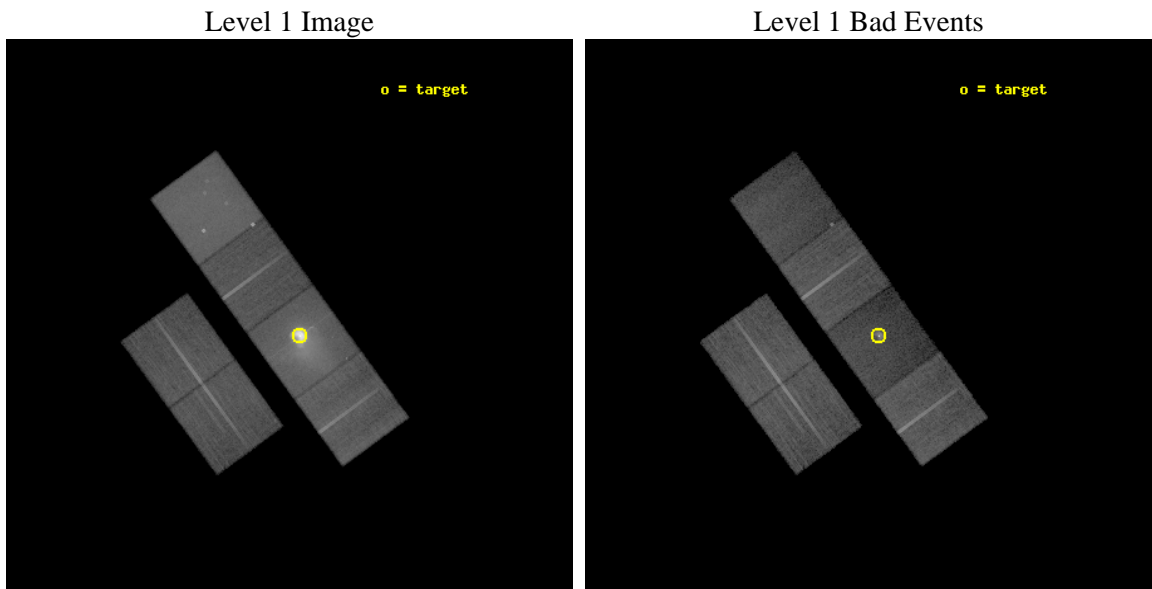
seq_num	500265	Sequence number
obs_id	2815	Observation id
title	THE DYNAMICAL PULSAR-WIND NEBULA IN THE VELA SNR	Proposal title
observer	Dr. George Pavlov	Principal investigator
object	VELA PWN	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.83625	Observer's specified target RA [deg]
dec_targ	-45.176667	Observer's specified target Dec [deg]
ra_nom	128.86255671928	Nominal RA [deg]
dec_nom	-45.154218021334	Nominal Dec [deg]
roll_nom	53.909721346431	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27302.195174247	Sum of GTIs [s]
liveltime	26956.478339542	Livetime [s]
ontime2	27308.677084818	Sum of GTIs [s]
ontime3	27305.436144486	Sum of GTIs [s]
ontime5	27305.436164424	Sum of GTIs [s]
ontime6	27308.677084818	Sum of GTIs [s]
ontime7	27302.195174247	Sum of GTIs [s]
ontime8	27308.67711474	Sum of GTIs [s]
l2events	853571	Number of level 2 events



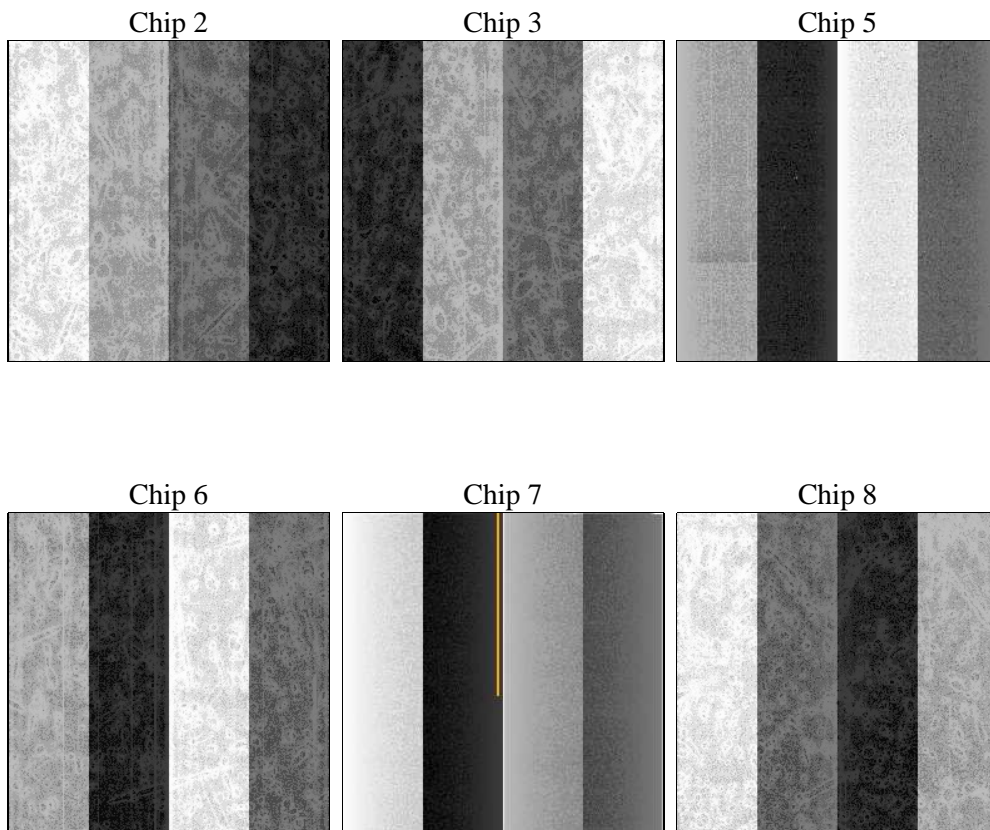
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	27360.705000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27302.195174247	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	27308.677084818	Sum of GTIs [s]
date	2012-09-28T07:18:50	Date and time of file creation	ontime3	27305.436144486	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	27305.436164424	Sum of GTIs [s]
			ontime6	27308.677084818	Sum of GTIs [s]
			ontime7	27302.195174247	Sum of GTIs [s]
			ontime8	27308.67711474	Sum of GTIs [s]
			l1events	1581566	Number of level 1 events

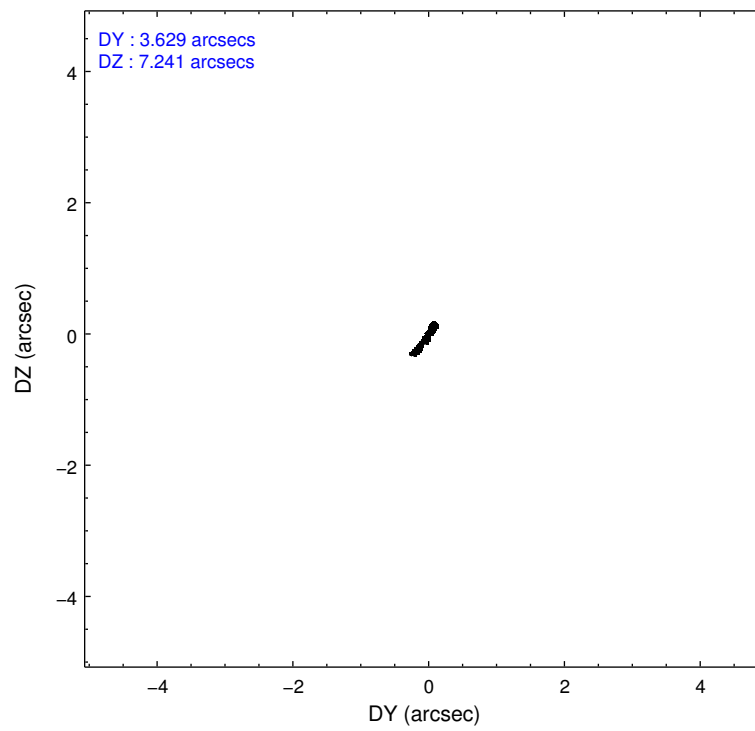
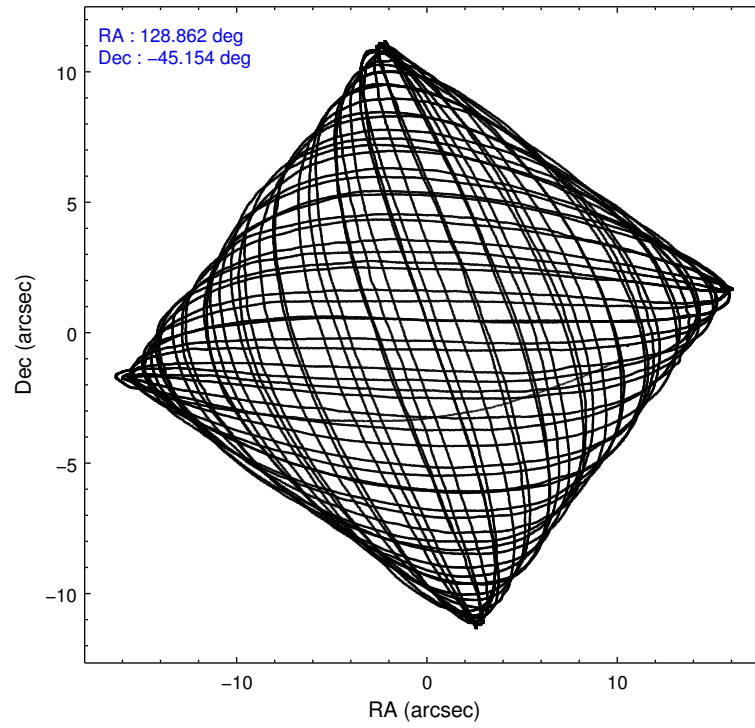
2.1.4 Events

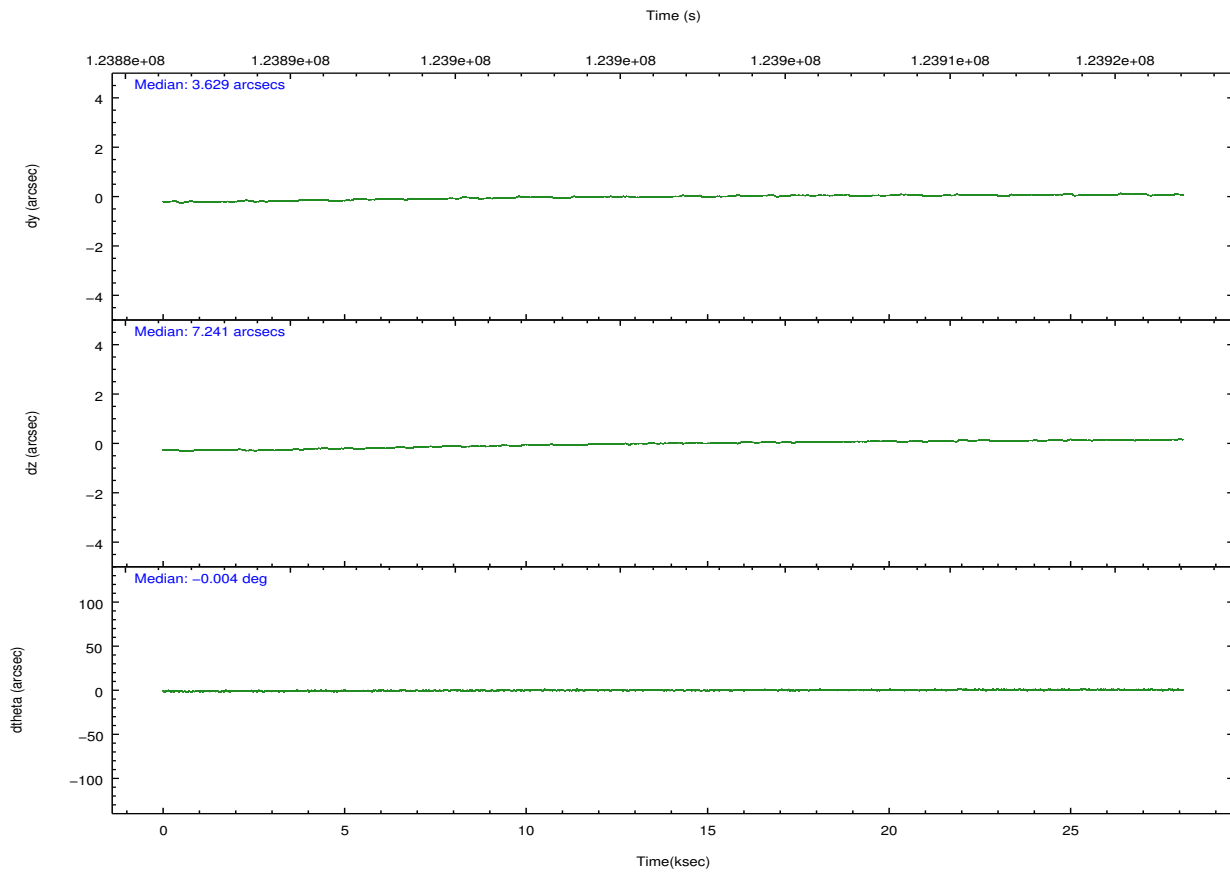
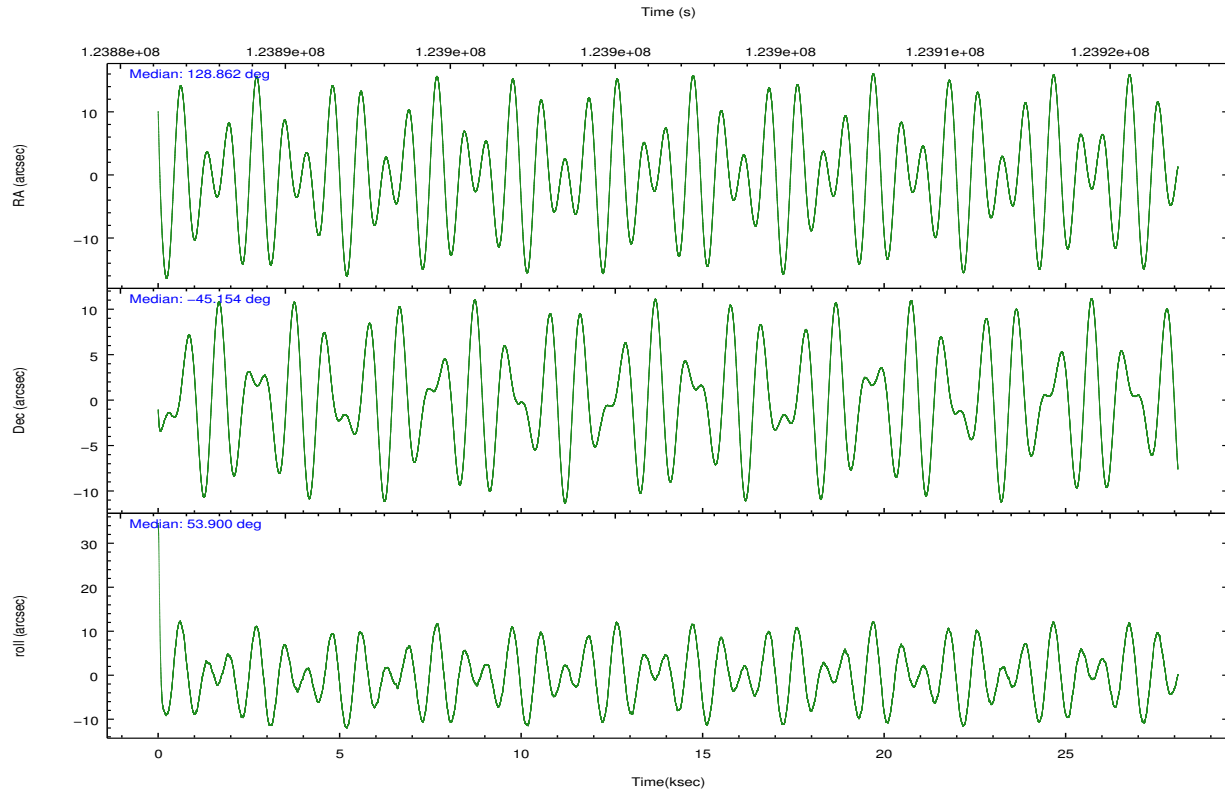
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	169717	167461	283691	169427	574939	216331	grade 0 events	22250	31568	88684	31809	160207	49305
rejected events	136690	123943	76824	125159	76295	134070		13%	18%	31%	18%	27%	22%
rejected %	80%	74%	27%	73%	13%	61%	grade 1 events	133	182	651	159	1068	243
								0%	0%	0%	0%	0%	0%
							grade 2 events	4483	4862	47351	5176	124435	11712
								2%	2%	16%	3%	21%	5%
							grade 3 events	1832	2162	12286	2168	54935	5395
								1%	1%	4%	1%	9%	2%
							grade 4 events	1826	2086	11683	2058	54189	5010
								1%	1%	4%	1%	9%	2%
							grade 5 events	3672	4145	14536	4382	17577	6479
								2%	2%	5%	2%	3%	2%
							grade 6 events	2642	2847	46908	3065	104986	10900
								1%	1%	16%	1%	18%	5%
							grade 7 events	132879	119609	61592	120610	57542	127287
								78%	71%	21%	71%	10%	58%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	128.858934	128.8625567192764	Subarray requested	NONE	NONE
[deg] Pointing Dec	-45.181359	-45.15421802133358	Alternating exposures requested	N	N
[deg] Pointing Roll	53.750512	53.90972134643134	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	123888284.184000	123887051.20544			
Observation start date	2001-12-04T21:23:40	2001-12-04T21:04:11			
[s] Observation end time (MET)	123915645.184000	123916092.5316			
Observation end date	2001-12-05T04:59:41	2001-12-05T05:08:12			
Read mode	TIMED	TIMED			

2.3 Aspect



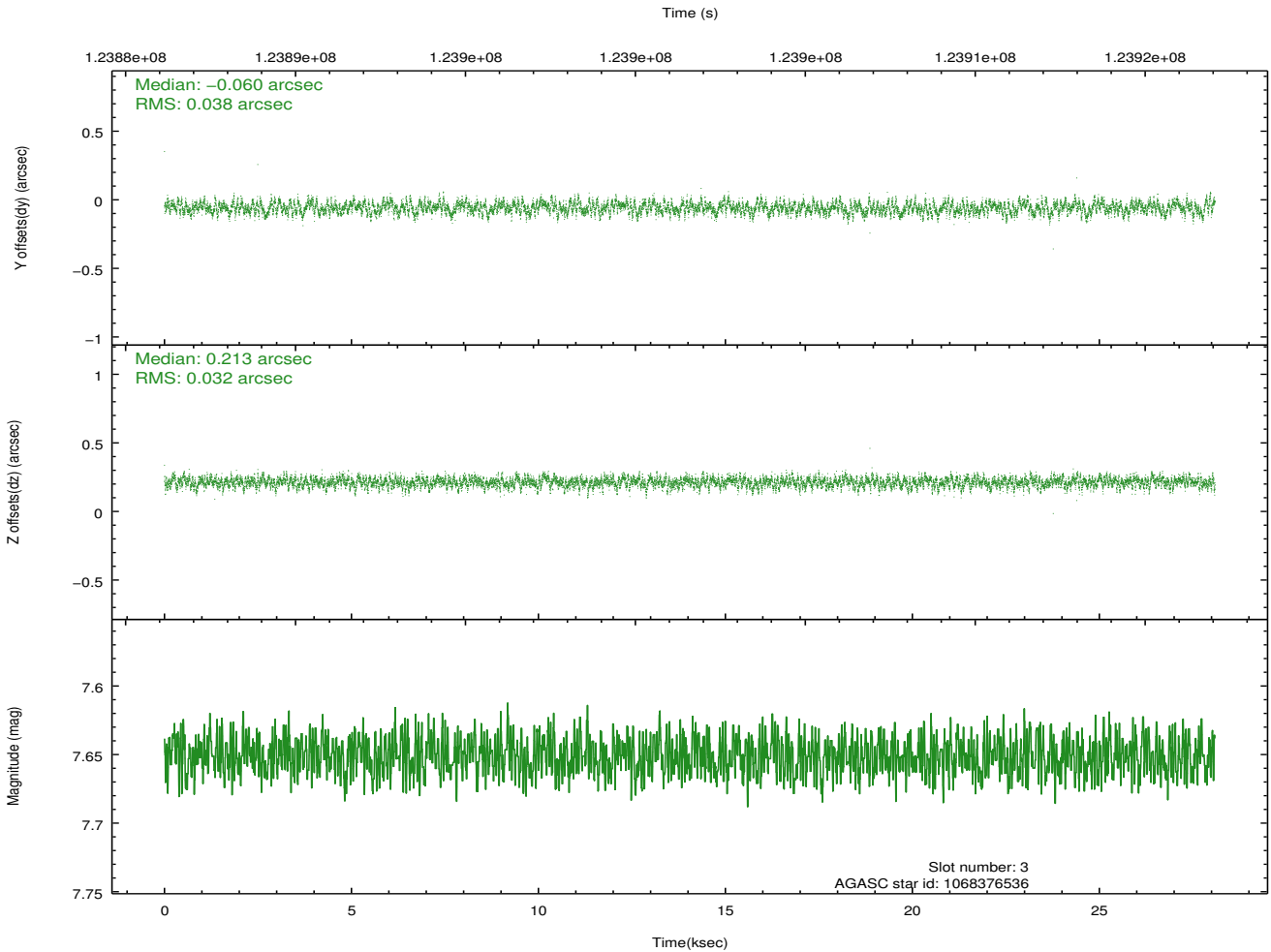
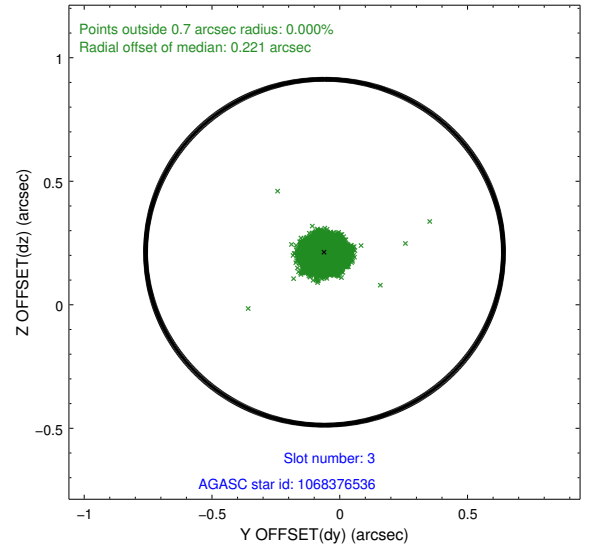
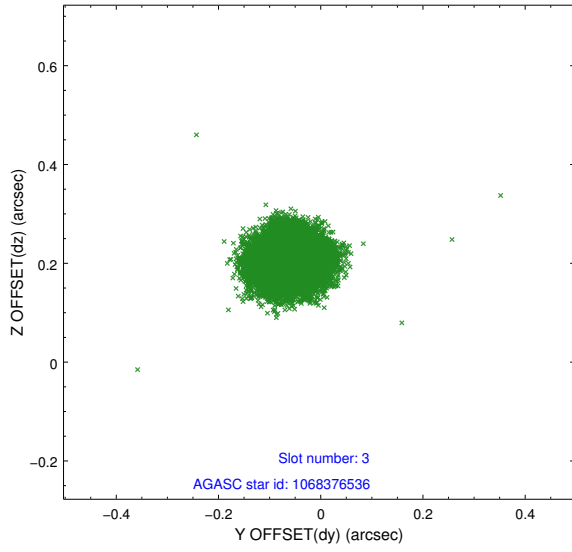


Slot Statistics

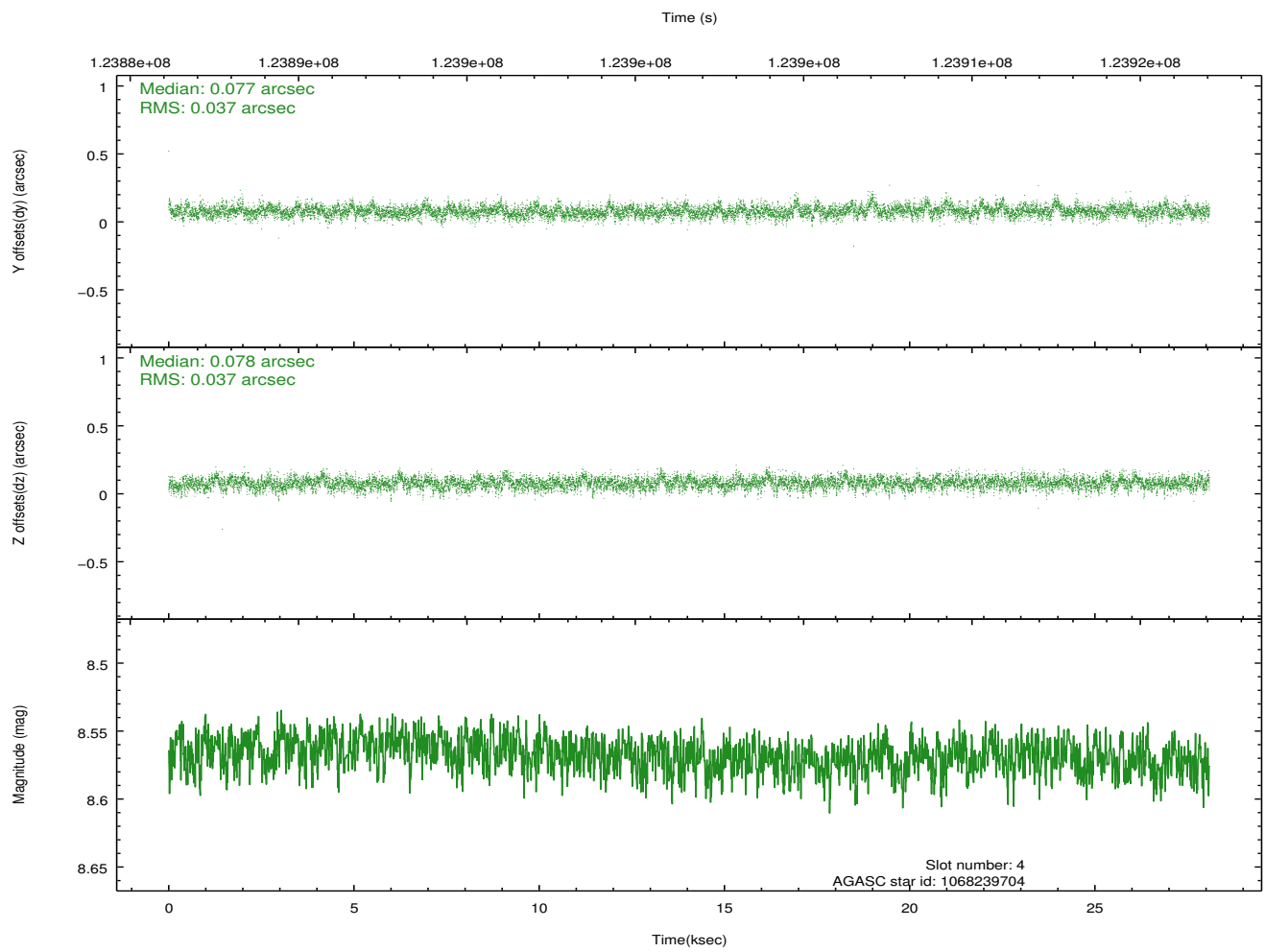
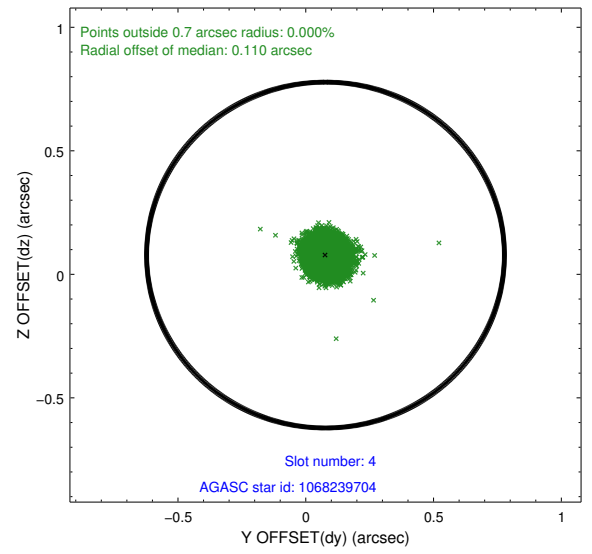
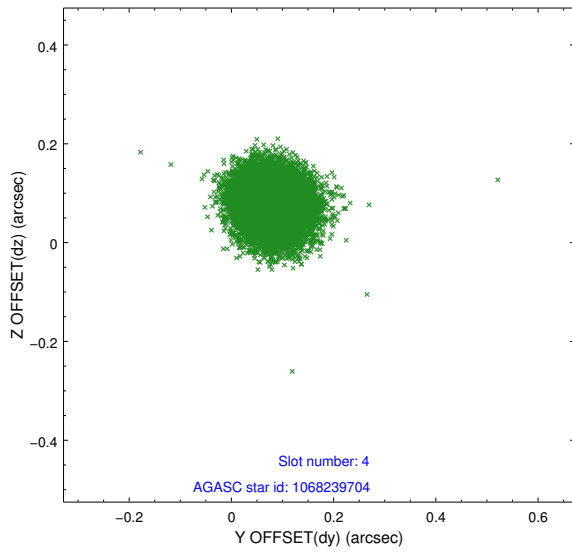
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	6845	-0.012	0.001	0.007	0.012	0.000000	0.000000	-756.27	-1728.38
1	FID	ACIS-S-4	7.20	6845	-0.006	0.006	0.006	0.012	0.000000	0.000000	2156.97	180.02
2	FID	ACIS-S-5	7.24	6846	-0.014	0.003	0.009	0.015	0.000000	0.000000	-1809.00	173.79
3	GUIDE	1068376536	7.65	13696	-0.060	0.213	0.053	0.082	129.556408	-45.593502	-163.28	-2299.26
4	GUIDE	1068239704	8.57	13688	0.077	0.078	0.055	0.091	129.331182	-45.207211	630.77	-1023.80
5	GUIDE	1005869048	8.23	13694	-0.136	-0.269	0.079	0.121	128.429058	-44.495949	1334.52	2346.72
6	GUIDE	1068238552	9.30	13691	0.174	0.060	0.083	0.134	128.941120	-45.368483	-419.93	-566.62
7	GUIDE	1005871784	8.00	13692	-0.051	-0.077	0.067	0.105	128.533947	-44.544833	1353.33	2025.82

2.4 Star Slots

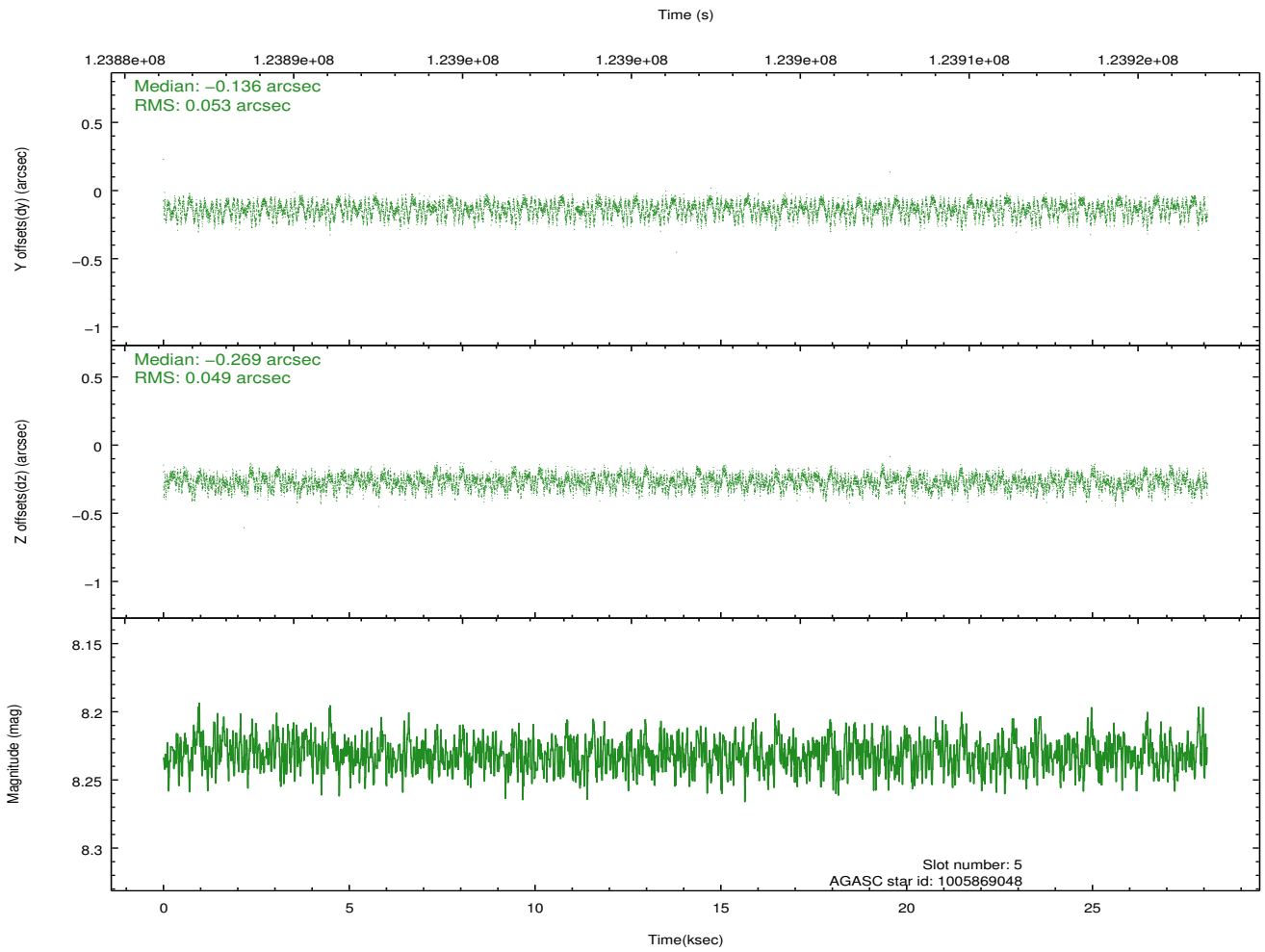
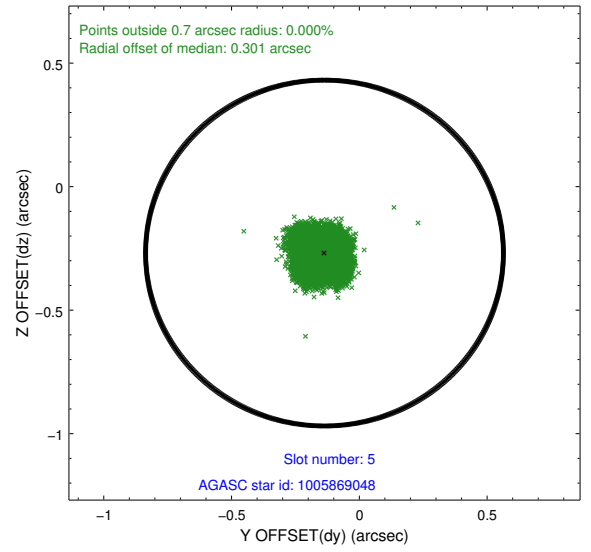
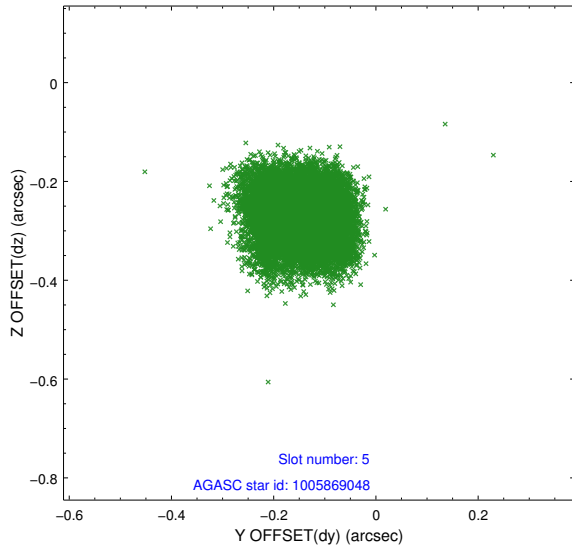
2.4.1 Slot 3



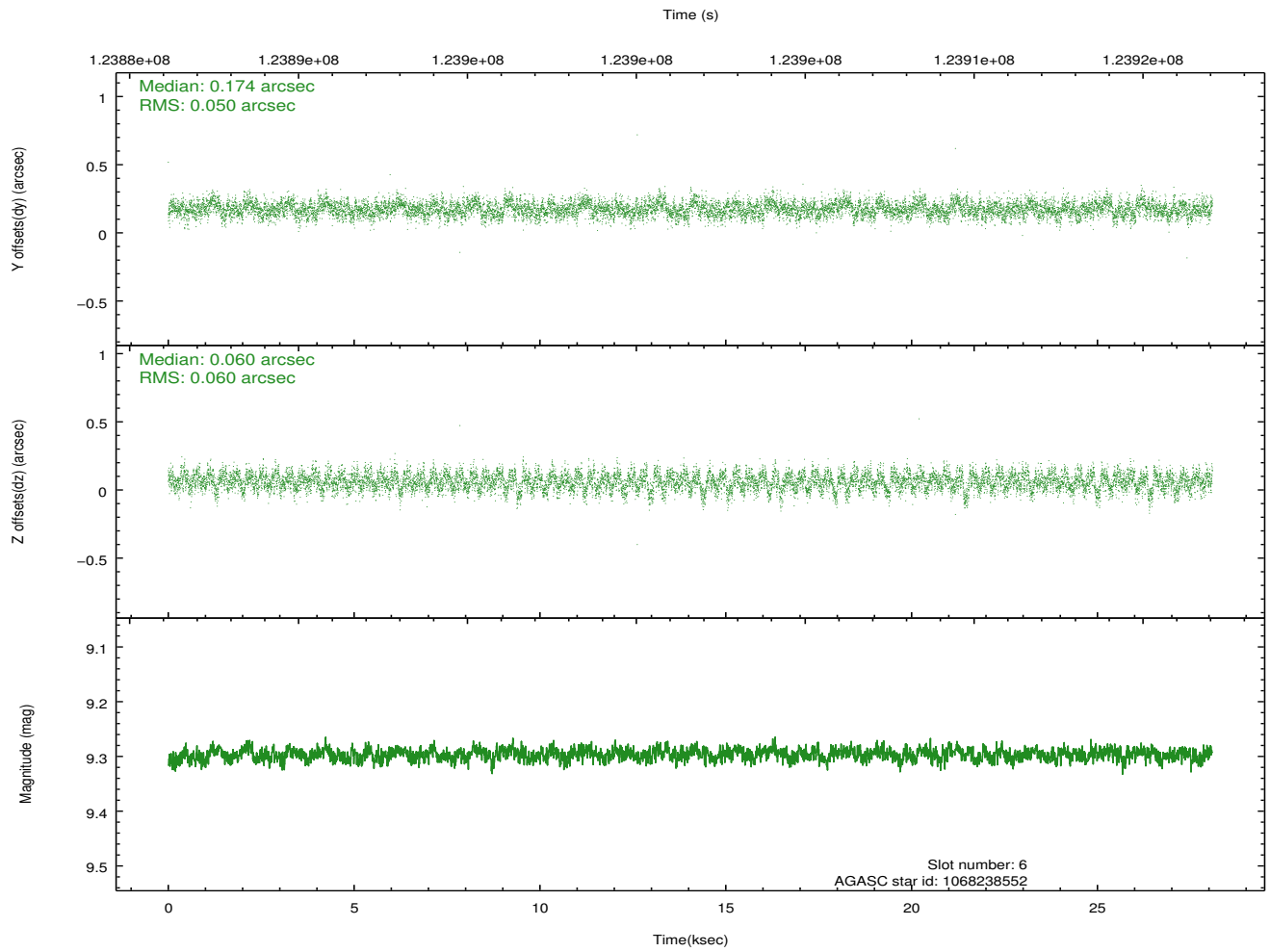
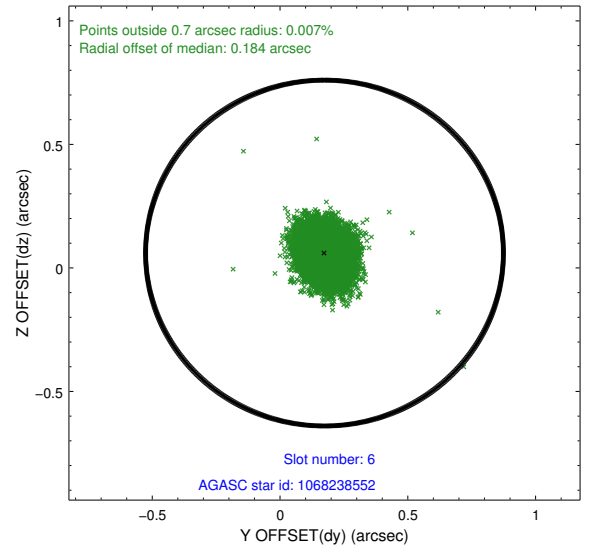
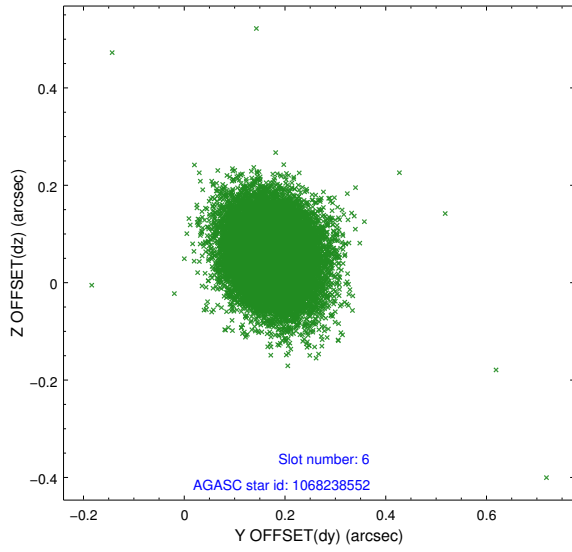
2.4.2 Slot 4



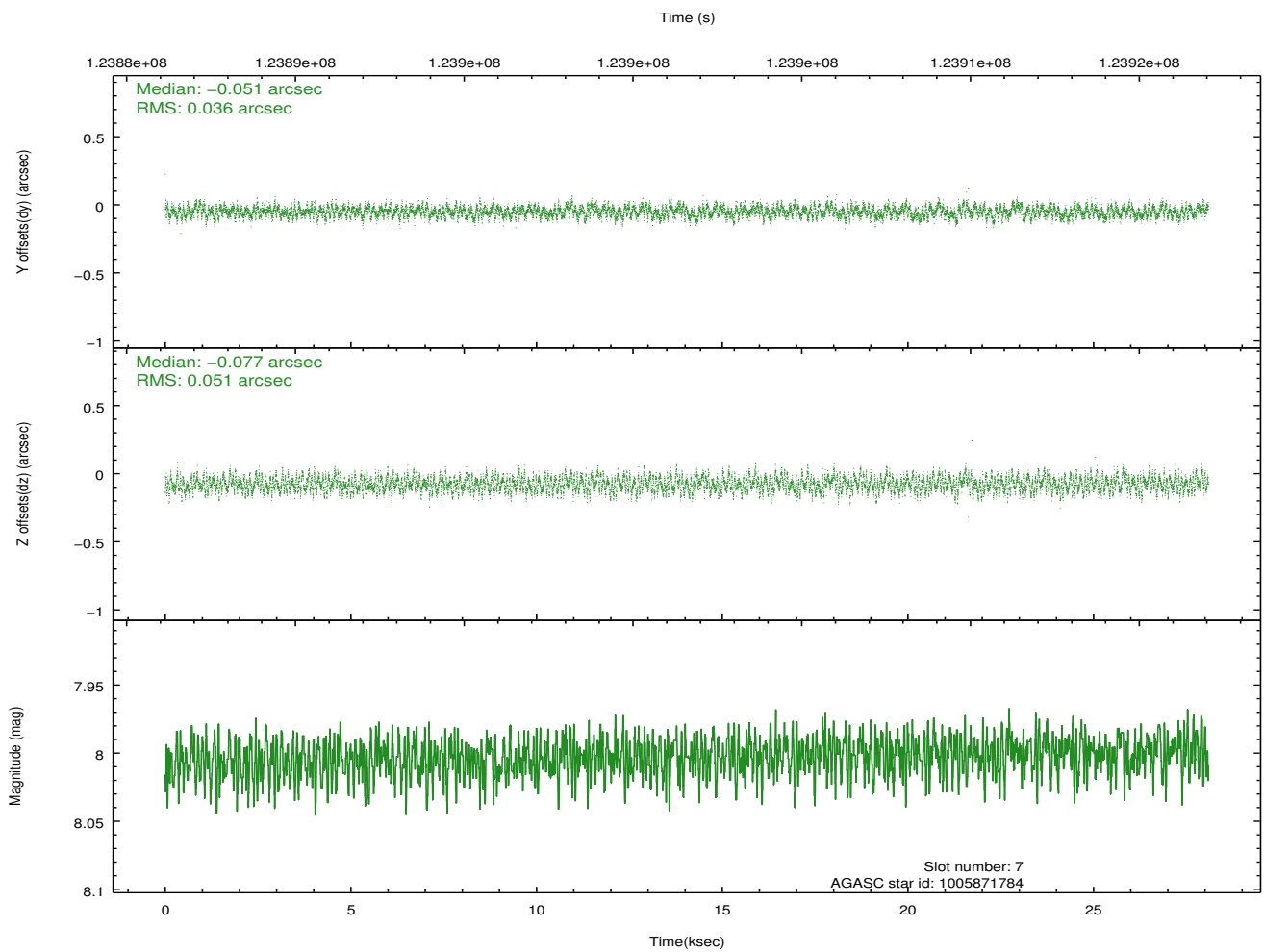
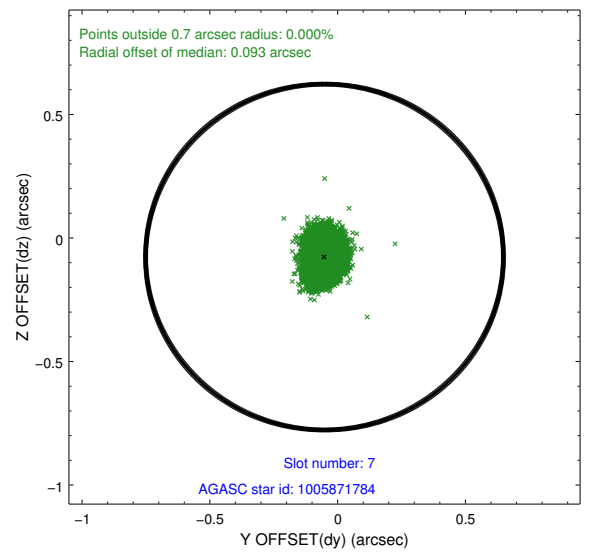
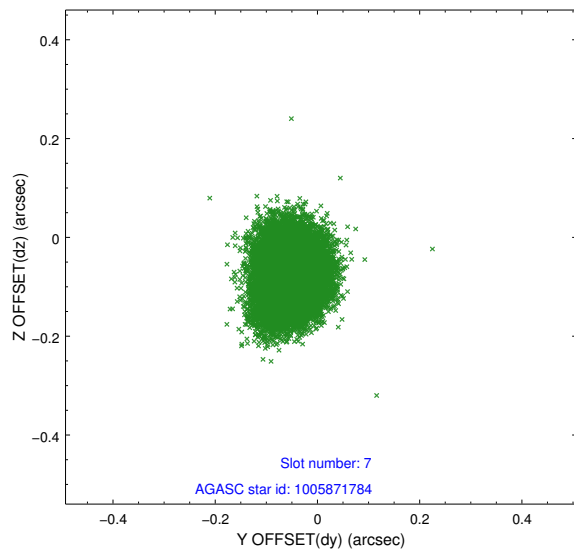
2.4.3 Slot 5



2.4.4 Slot 6

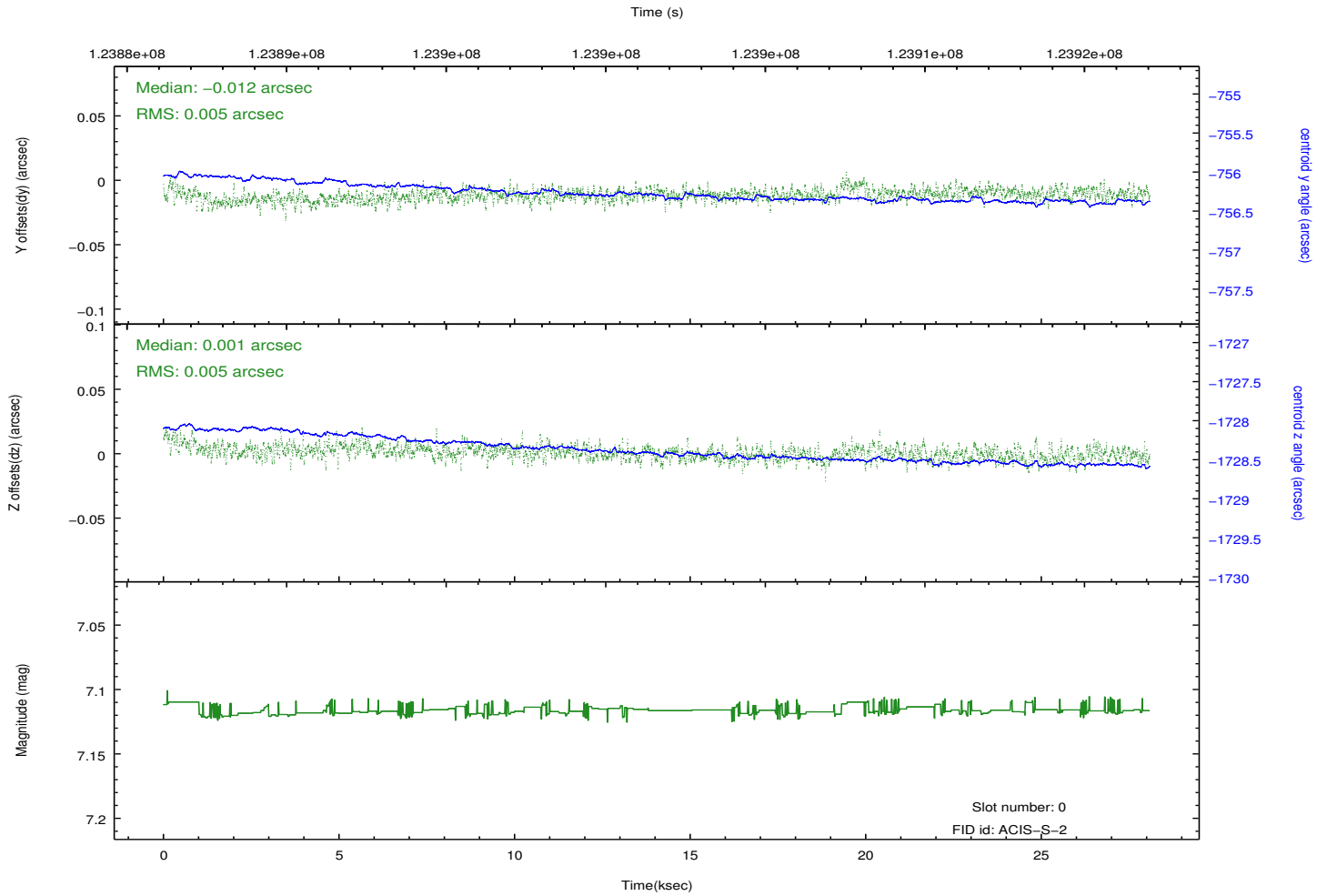
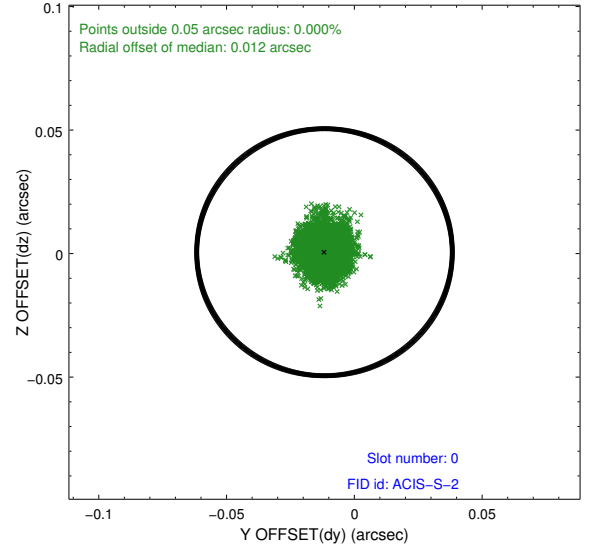
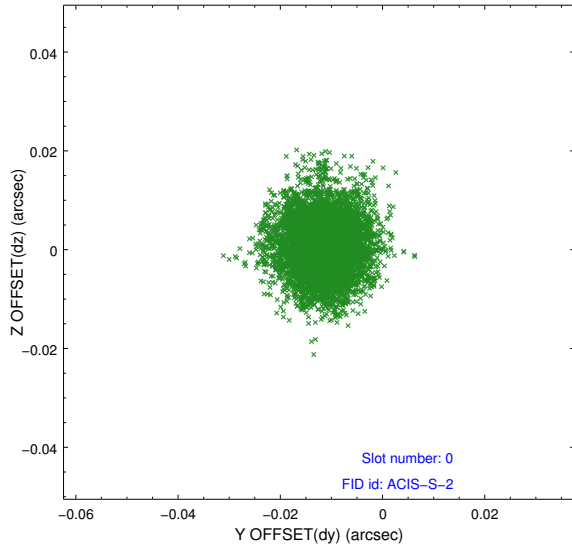


2.4.5 Slot 7

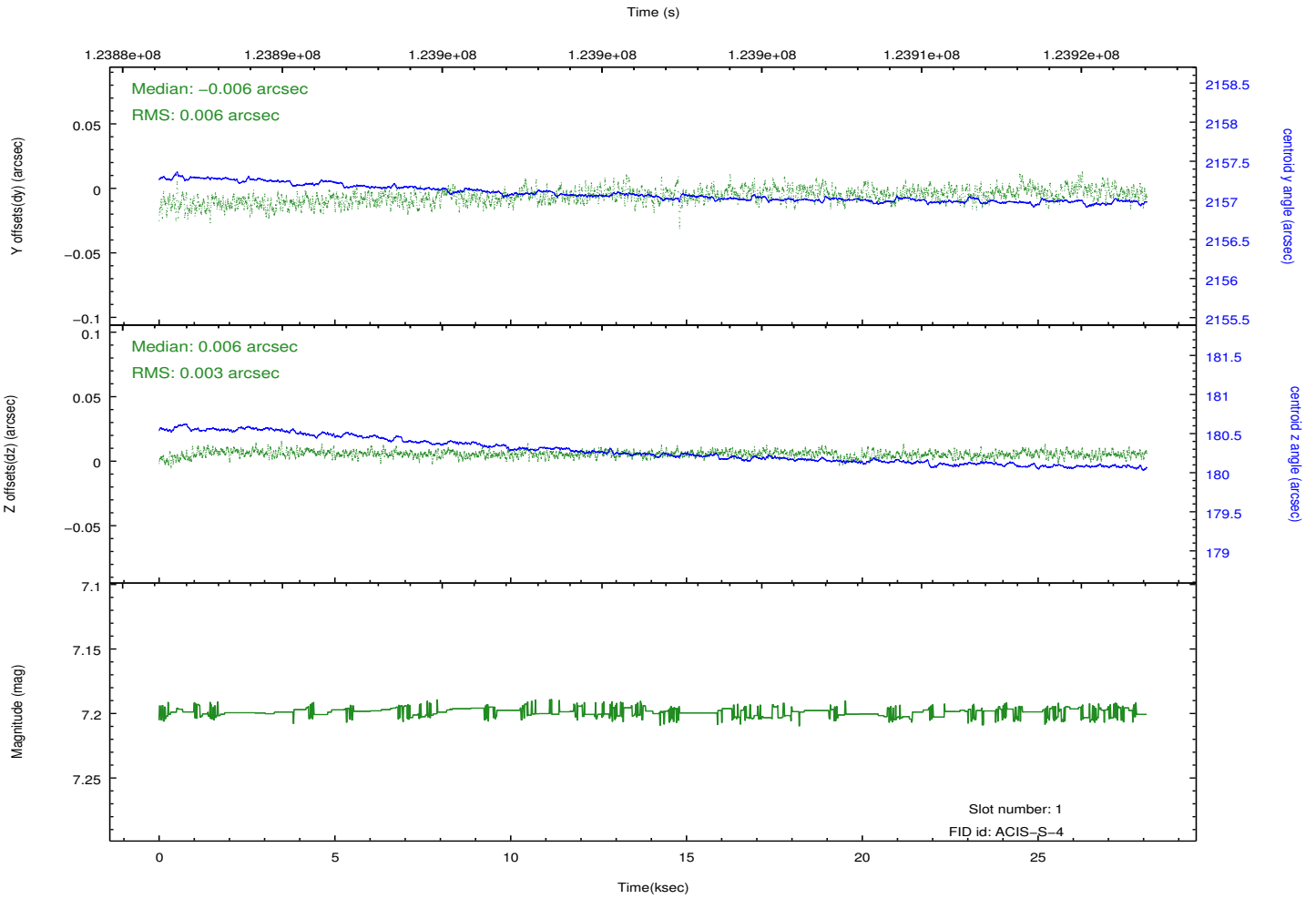
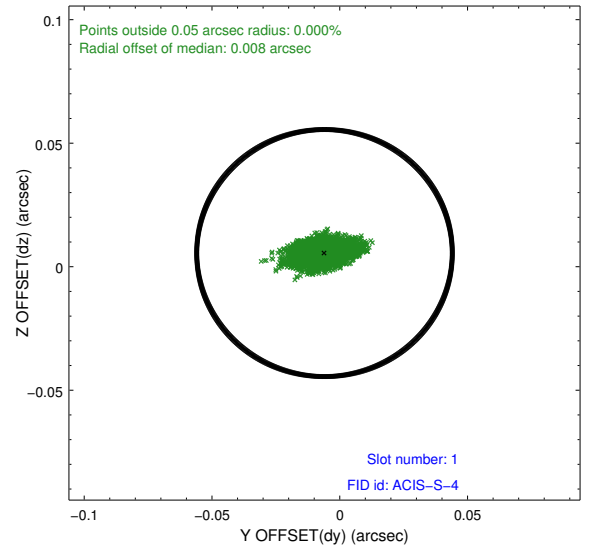
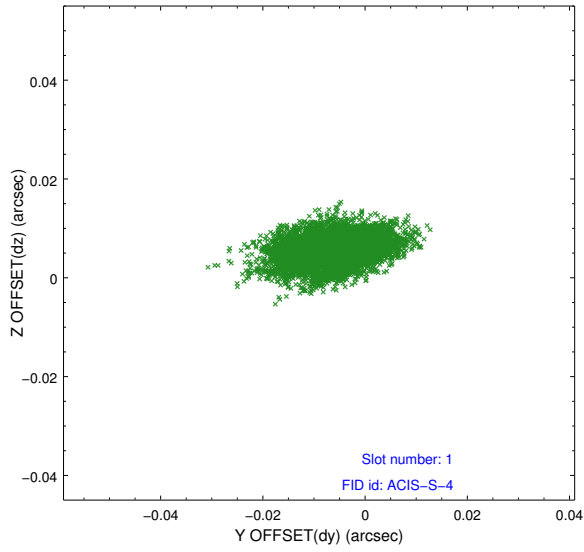


2.5 FID Slots

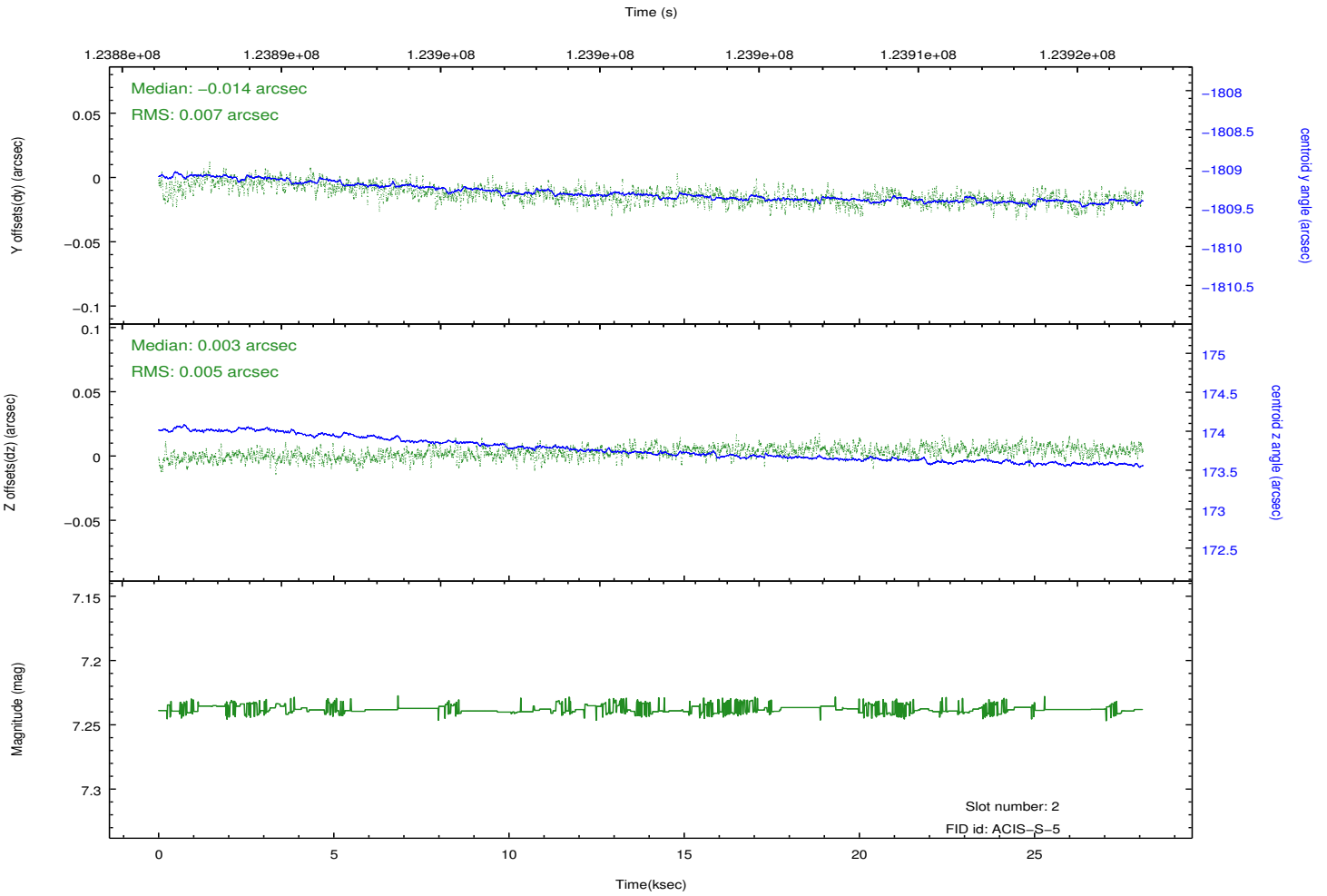
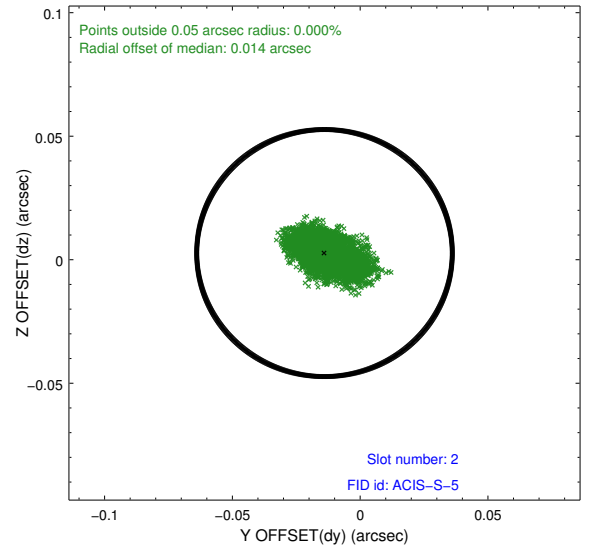
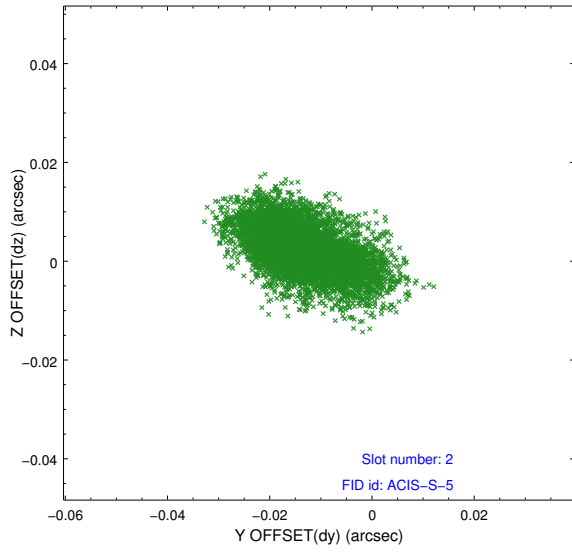
2.5.1 Slot 0



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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.305

A.2 Comments

Monitor constraint not met, but is deemed acceptable by the PI.