

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 734 - L2 Version 3
Chandra X-Ray Center

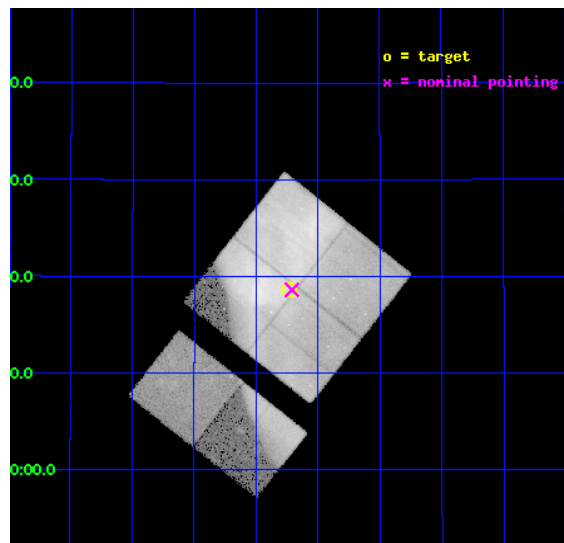
L2 Processing Date : Sep 1 2012

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1 Front

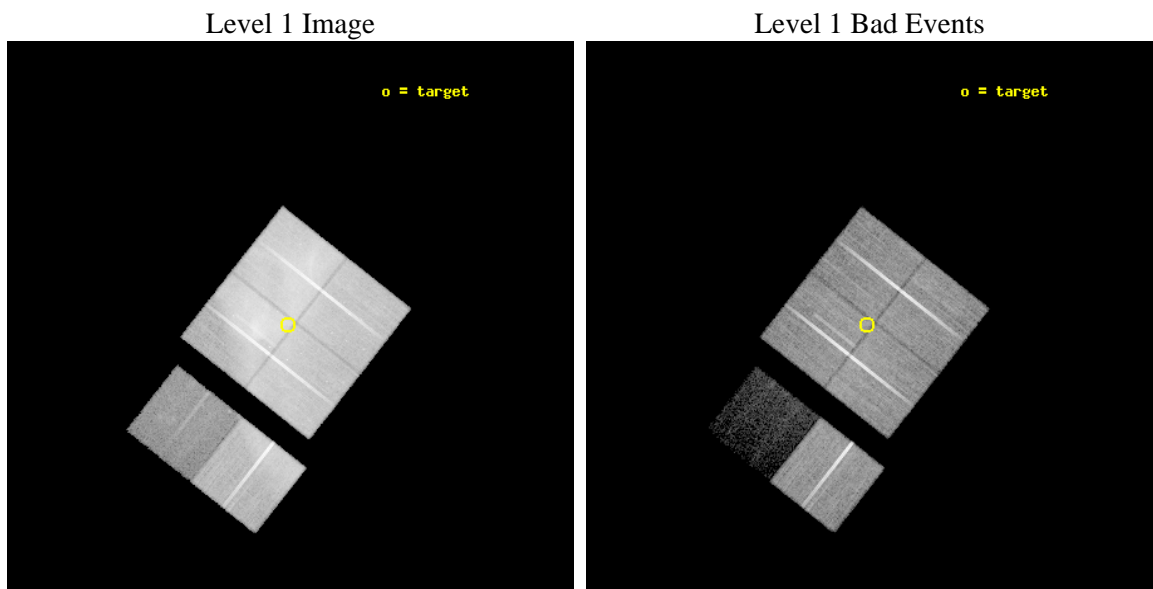
seq_num	500030	Sequence number
obs_id	734	Observation id
title	BLAST WAVE DYNAMICS, SUPERNOVA REMNANT ENVIRONMENTS, AND THE EVOLUTION OF THE CYGNUS LOOP	Proposal title
observer	Dr. James Graham	Principal investigator
object	CYGNUS LOOP SE	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	314.058333	Observer's specified target RA [deg]
dec_targ	30.311667	Observer's specified target Dec [deg]
ra_nom	314.05287298463	Nominal RA [deg]
dec_nom	30.310381619953	Nominal Dec [deg]
roll_nom	218.26737781803	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47394.531730577	Sum of GTIs [s]
livetime	46794.393632244	Livetime [s]
ontime0	47394.408610582	Sum of GTIs [s]
ontime1	47394.449650586	Sum of GTIs [s]
ontime2	47388.00871028	Sum of GTIs [s]
ontime3	47394.531730577	Sum of GTIs [s]
ontime6	47394.613810584	Sum of GTIs [s]
ontime7	47394.572770581	Sum of GTIs [s]
l2events	801523	Number of level 2 events



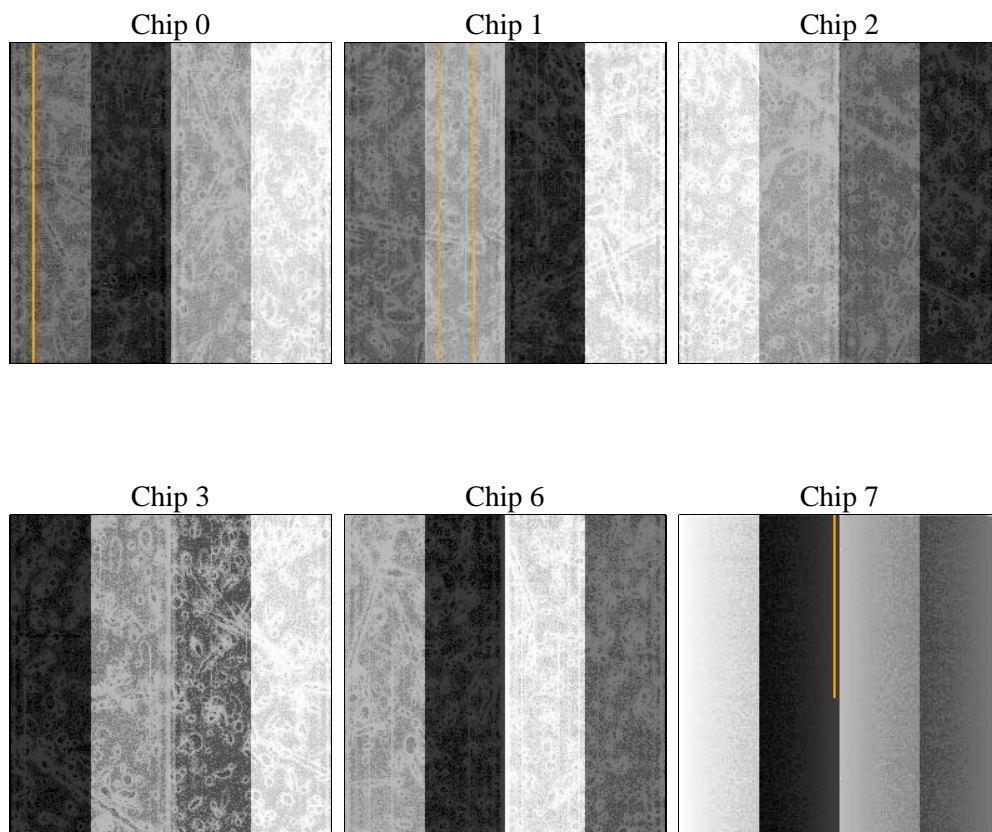
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	47300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	47394.531730577	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	47394.408610582	Sum of GTIs [s]
date	2012-09-01T05:41:06	Date and time of file creation	ontime1	47394.449650586	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	47388.00871028	Sum of GTIs [s]
			ontime3	47394.531730577	Sum of GTIs [s]
			ontime6	47394.613810584	Sum of GTIs [s]
			ontime7	47394.572770581	Sum of GTIs [s]
			l1events	1794318	Number of level 1 events

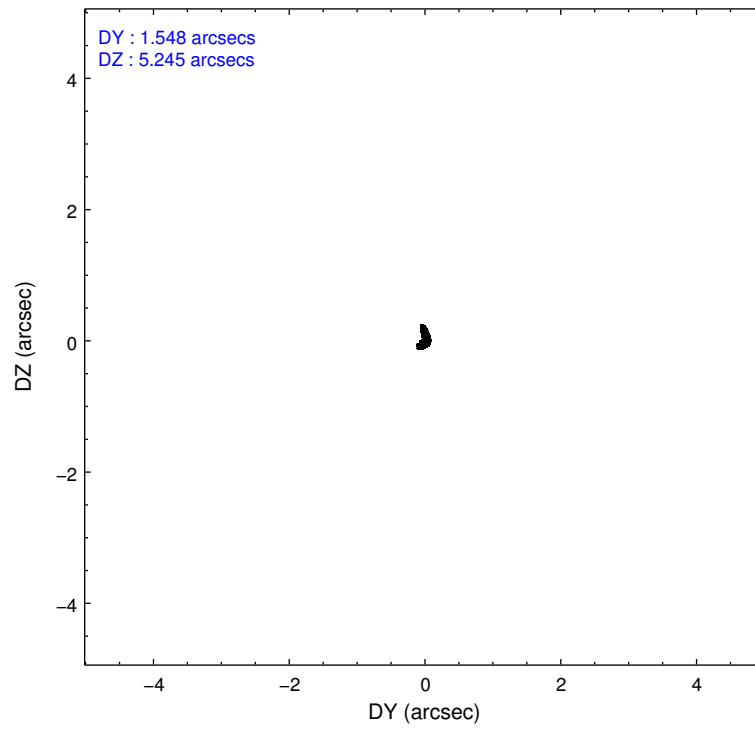
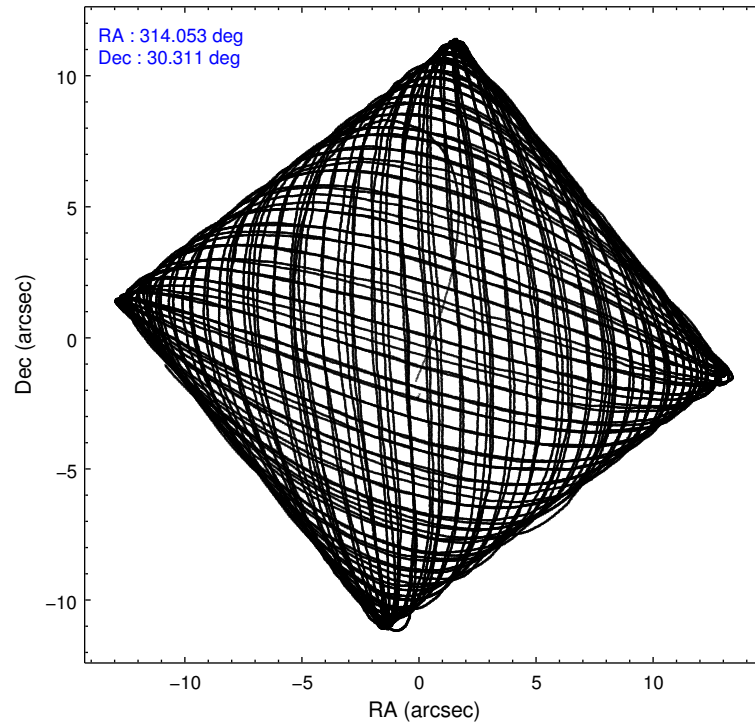
2.1.4 Events

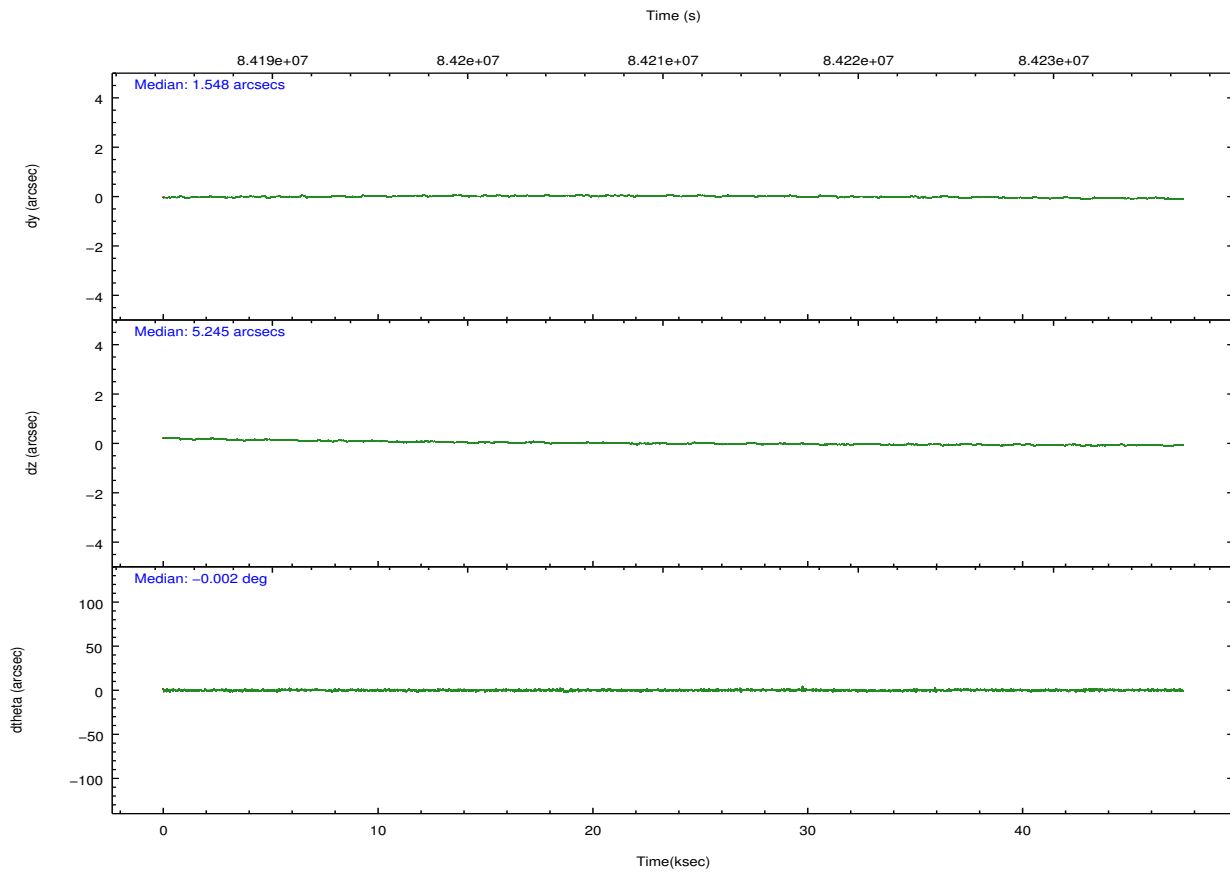
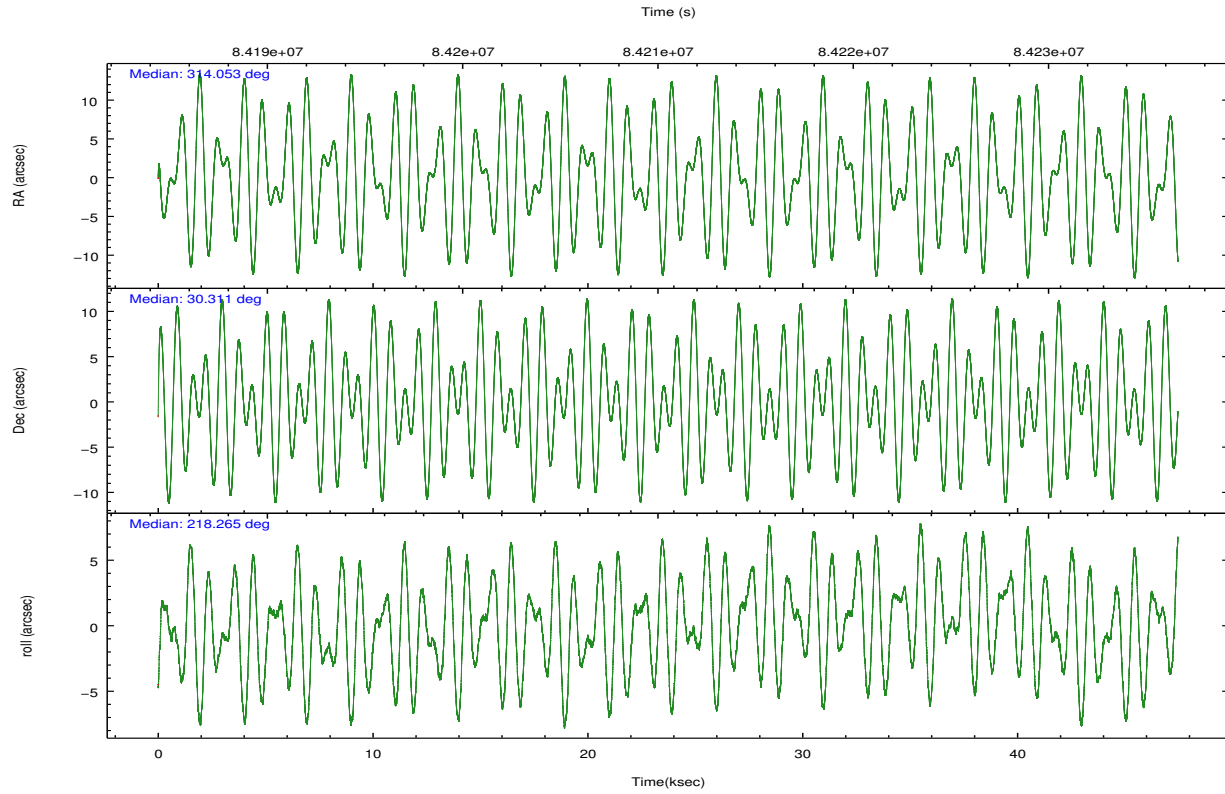
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	301938	455599	332540	395671	249103	59467	grade 0 events	108911	261173	119738	188774	47962	9240
rejected events	176184	165069	196193	187489	191131	16341		36%	57%	36%	47%	19%	15%
rejected %	58%	36%	58%	47%	76%	27%	grade 1 events	428	984	472	767	196	175
								0%	0%	0%	0%	0%	0%
							grade 2 events	9189	17717	9386	11865	4519	11545
								3%	3%	2%	2%	1%	19%
							grade 3 events	2880	4506	2614	2861	1993	5132
								0%	0%	0%	0%	0%	8%
							grade 4 events	2781	4493	2711	2897	1869	4844
								0%	0%	0%	0%	0%	8%
							grade 5 events	1616	2038	1499	1869	1645	4386
								0%	0%	0%	0%	0%	7%
							grade 6 events	2012	2679	1921	1814	1638	12371
								0%	0%	0%	0%	0%	20%
							grade 7 events	174121	162009	194199	184824	189281	11774
								57%	35%	58%	46%	75%	19%

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	314.064780	314.0528729846304	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.335921	30.31038161995293	Alternating exposures requested	N	N
[deg] Pointing Roll	218.052681	218.2673778180289	[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)	84186946.184000	84185915.82780901			
Observation start date	2000-09-01T09:14:42	2000-09-01T08:58:35			
[s] Observation end time (MET)	84234246.184000	84235048.69215401			
Observation end date	2000-09-01T22:23:02	2000-09-01T22:37:28			
Read mode	TIMED	TIMED			

2.3 Aspect





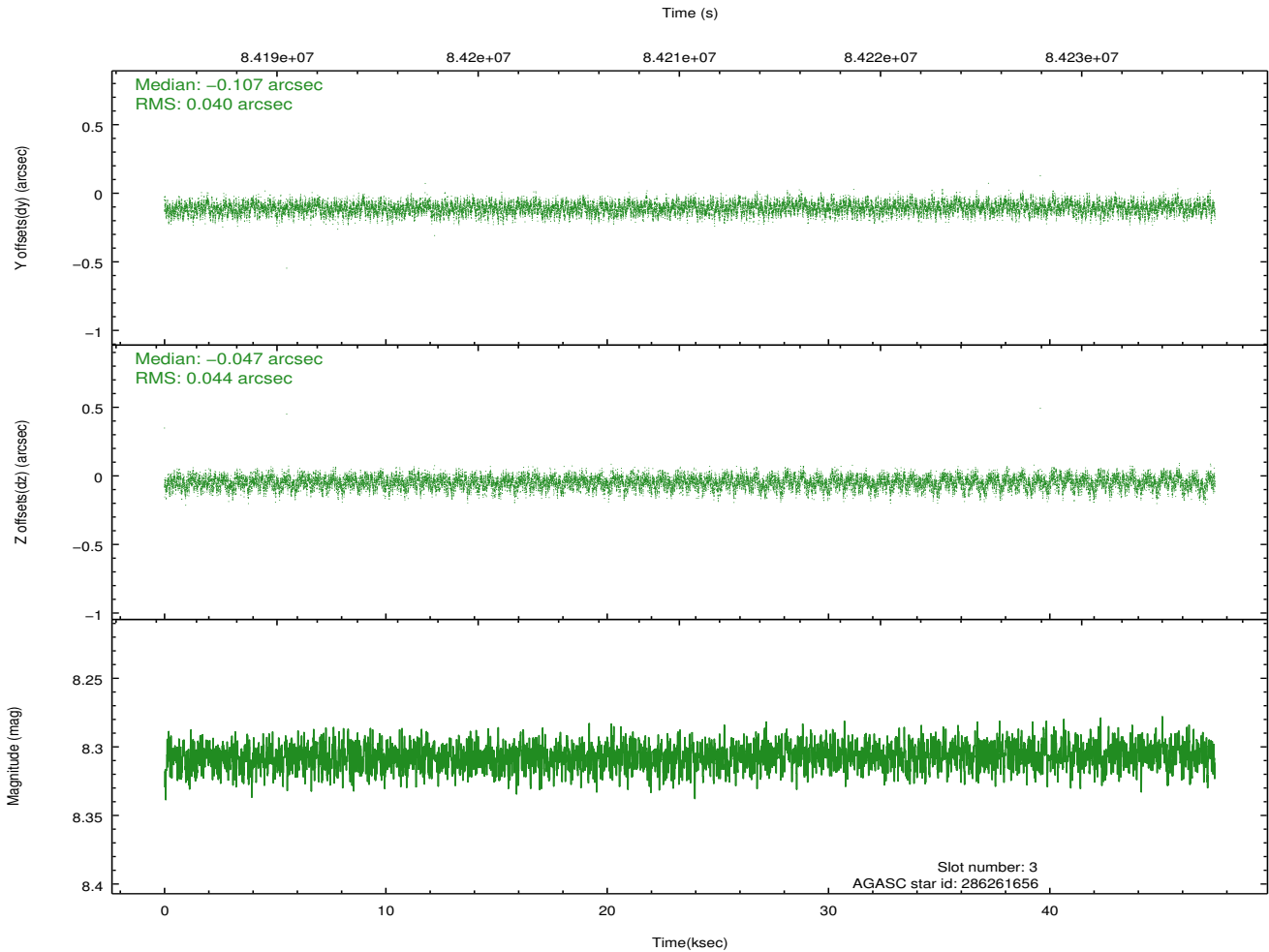
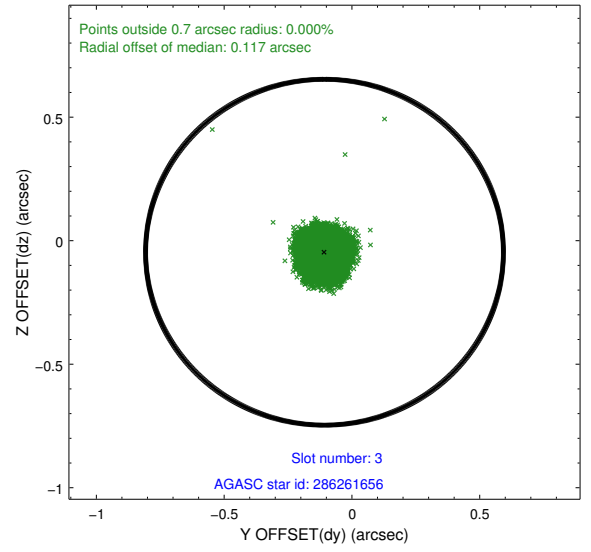
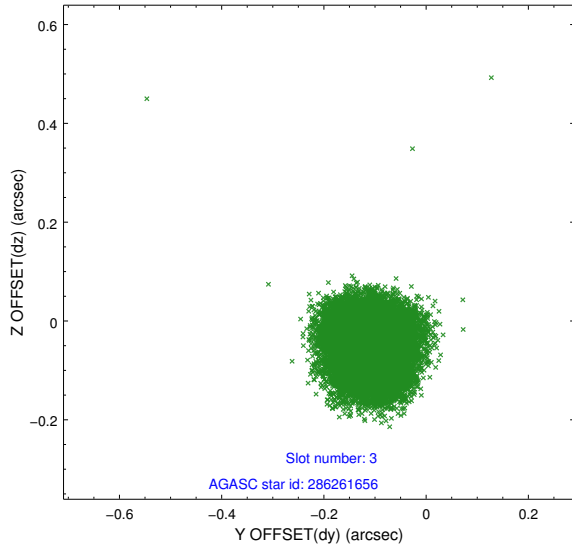
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	11577	-0.032	-0.040	0.009	0.015	0.000000	0.000000	-755.91	-835.02
1	FID	ACIS-I-4	7.19	11577	-0.032	0.038	0.006	0.011	0.000000	0.000000	2158.15	1071.25
2	FID	ACIS-I-5	7.23	11577	-0.037	0.072	0.009	0.015	0.000000	0.000000	-1809.76	1069.11
3	GUIDE	286261656	8.31	23147	-0.107	-0.047	0.064	0.102	314.037242	29.882823	1073.08	1232.13
4	GUIDE	352336240	8.75	23150	-0.015	-0.022	0.077	0.120	314.097220	30.851920	-1223.77	-1400.32
5	GUIDE	352331792	8.94	23148	-0.024	-0.024	0.066	0.107	313.905878	30.767958	-571.76	-1527.42
6	GUIDE	286135144	9.11	23146	0.082	0.071	0.075	0.125	313.842737	29.762029	1819.62	1199.39
7	GUIDE	352341328	9.08	23116	0.061	0.024	0.076	0.123	314.623801	30.398894	-1509.00	888.75

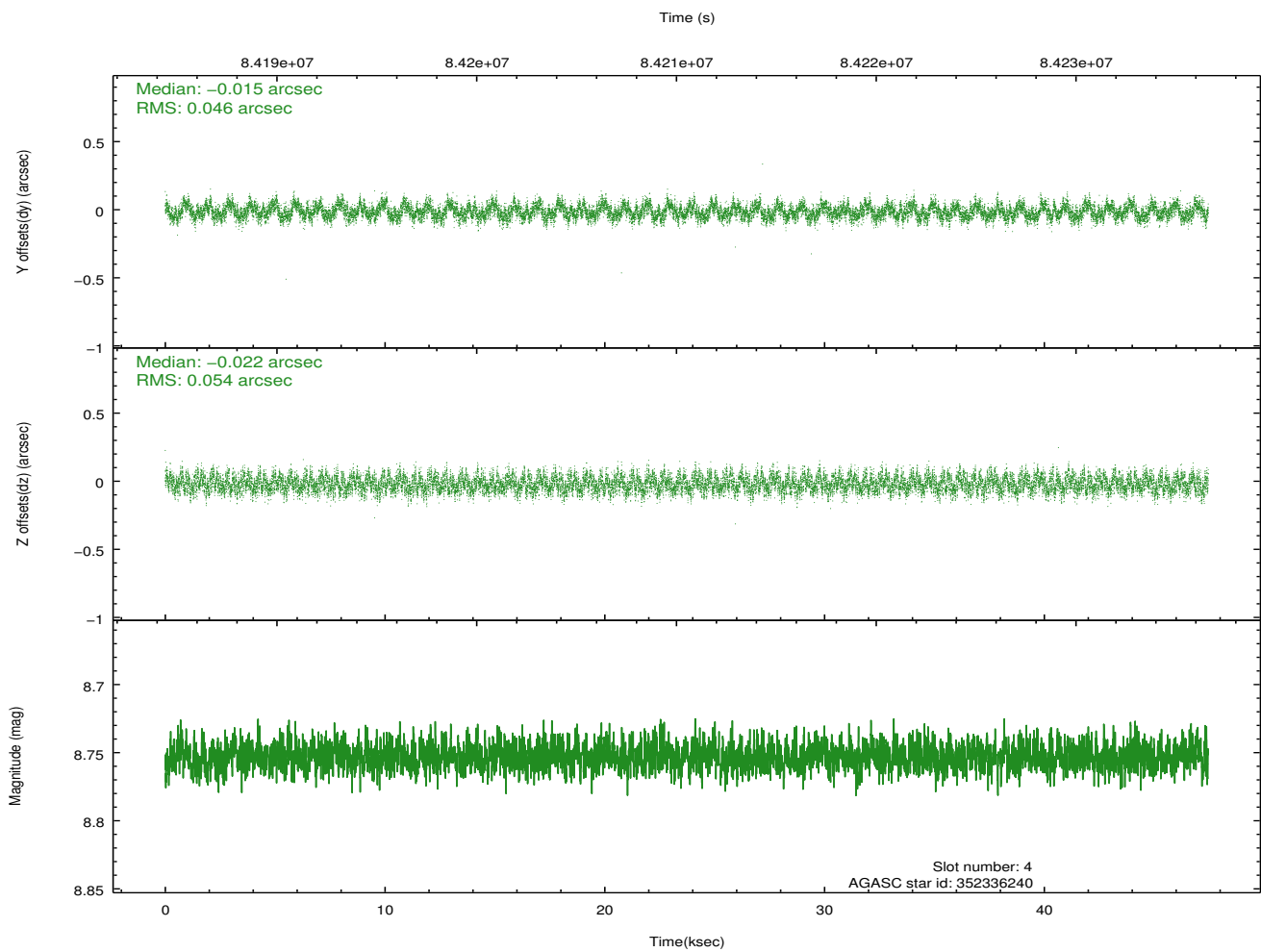
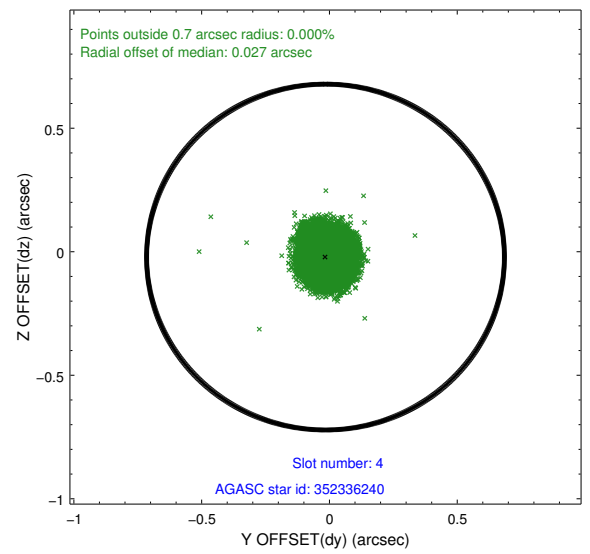
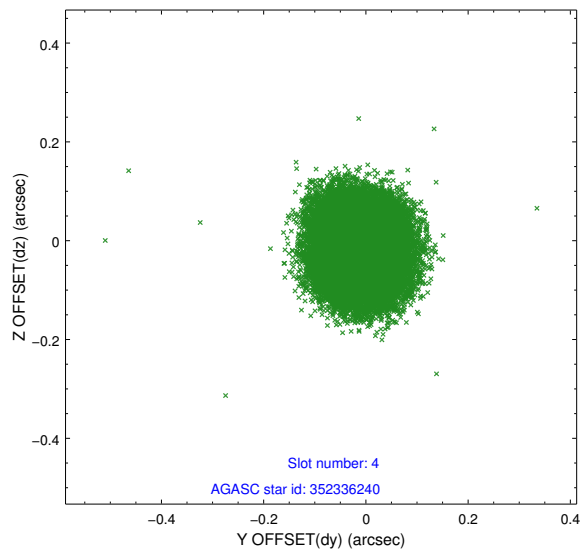
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2.4 Star Slots

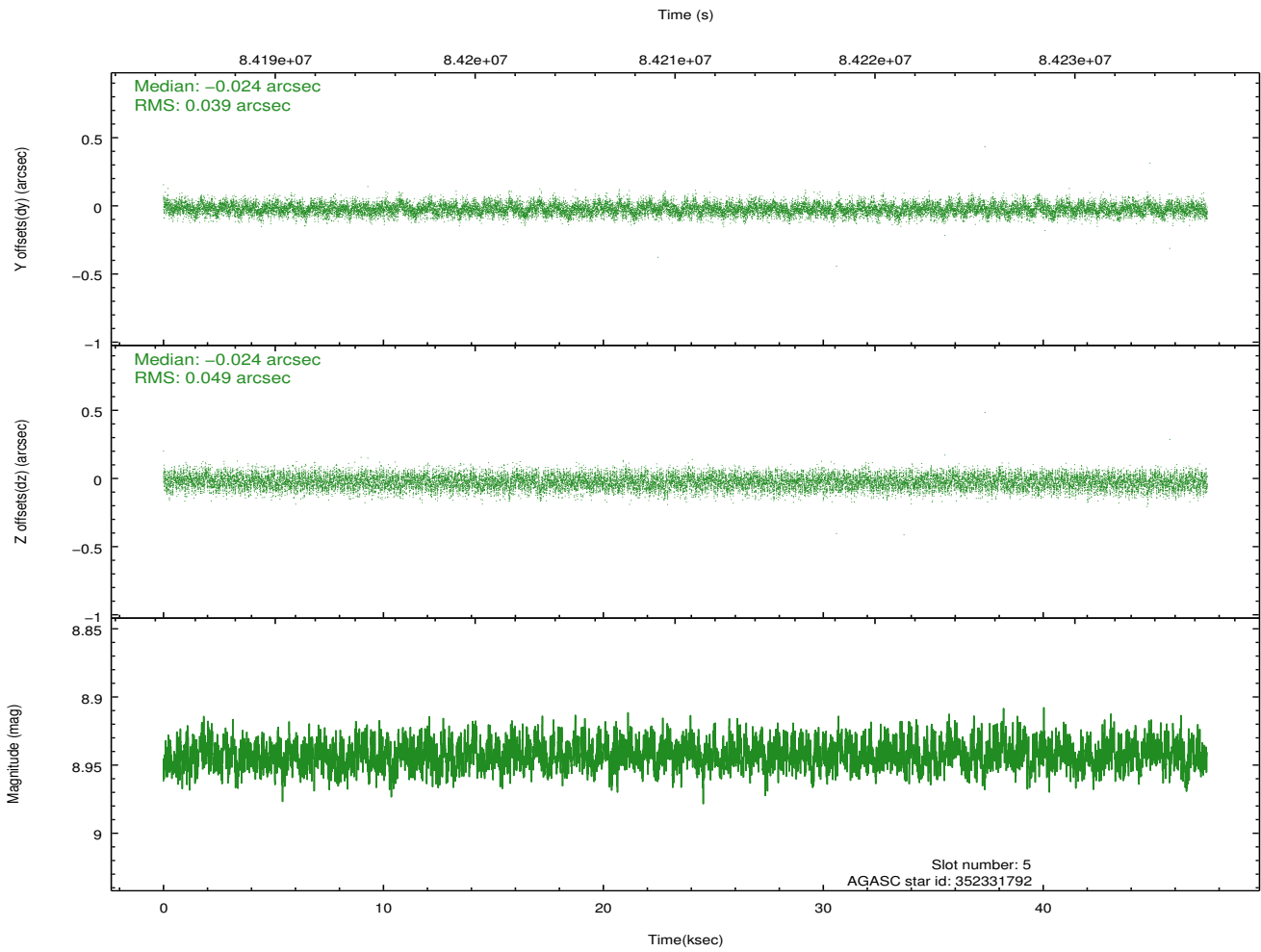
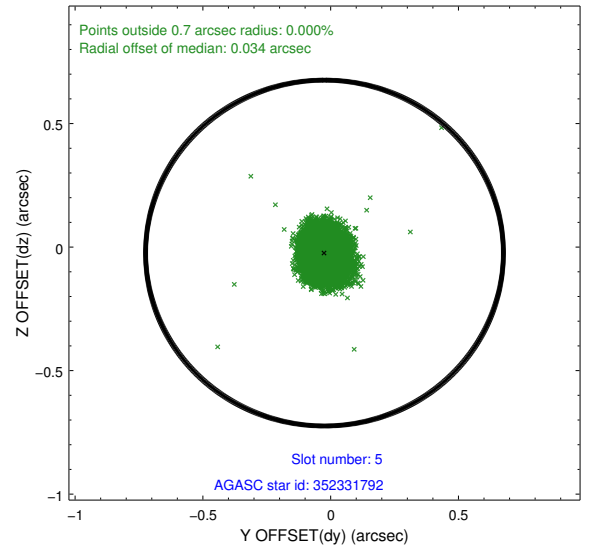
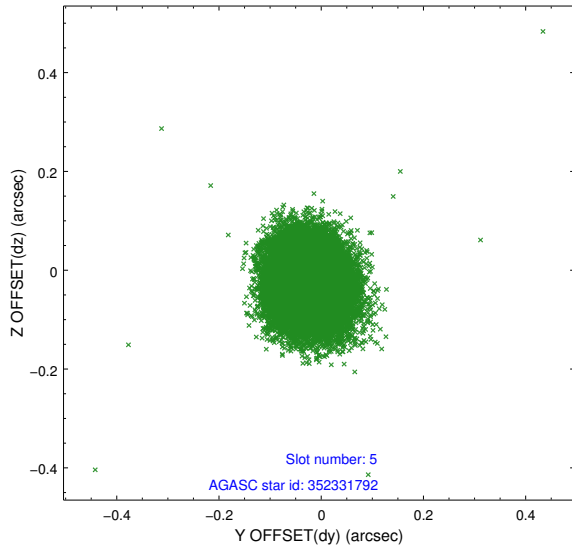
2.4.1 Slot 3



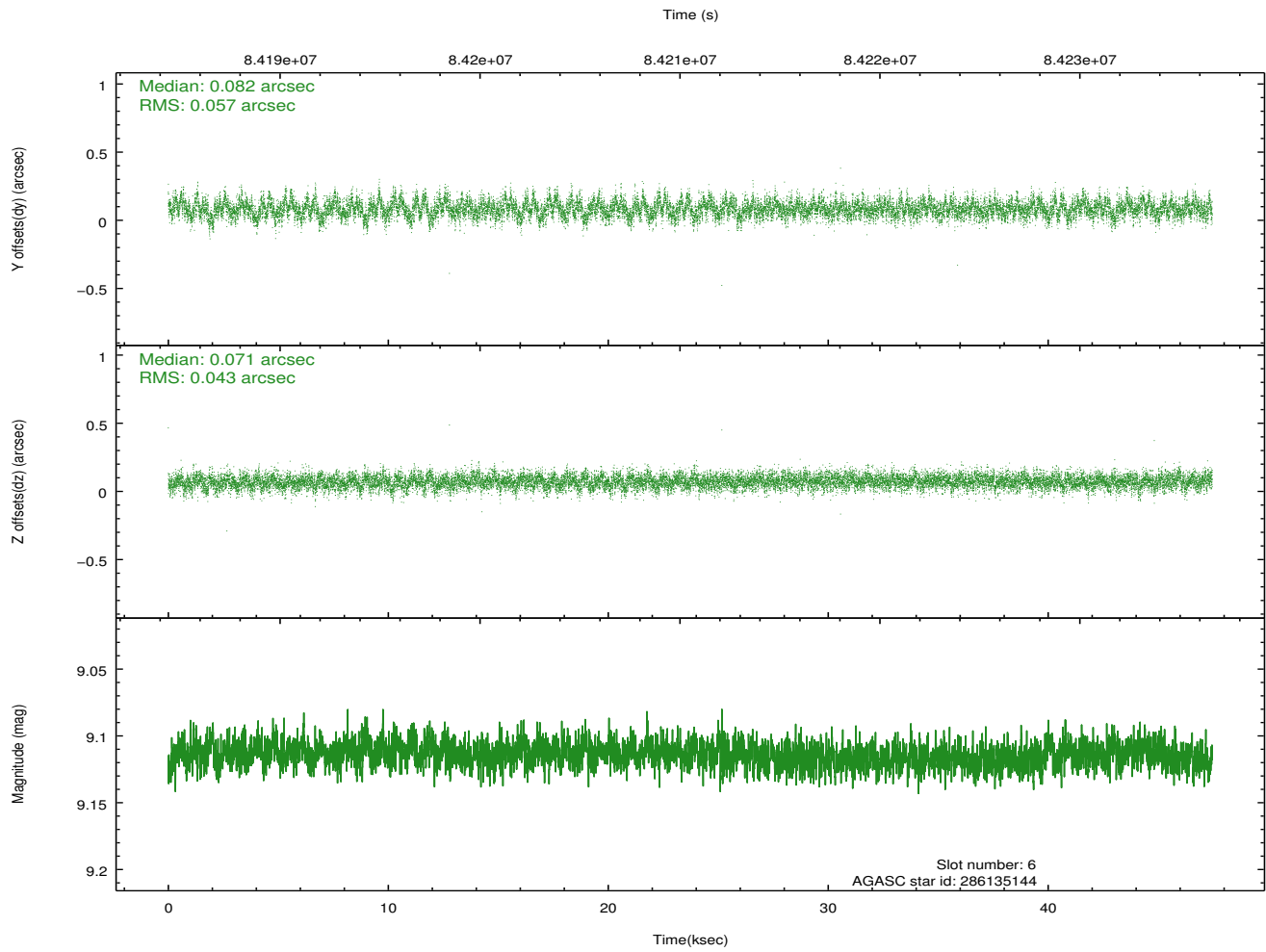
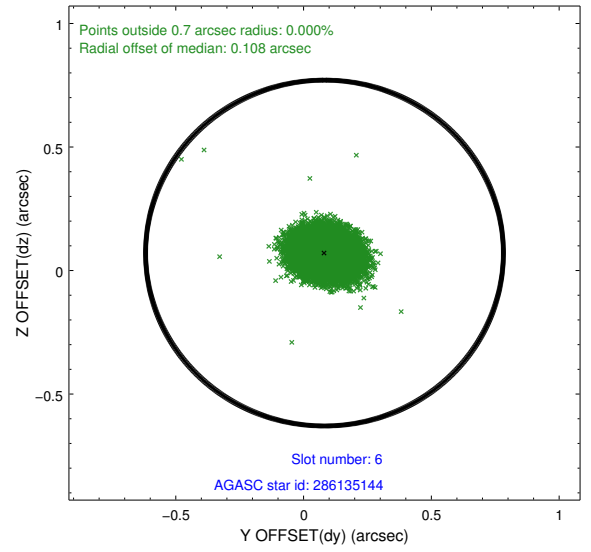
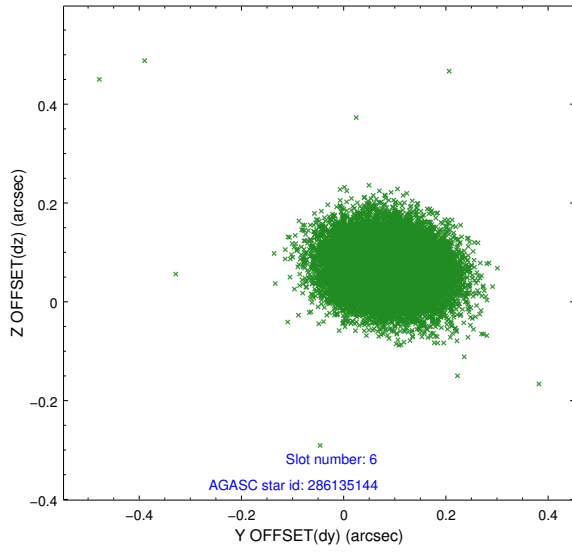
2.4.2 Slot 4



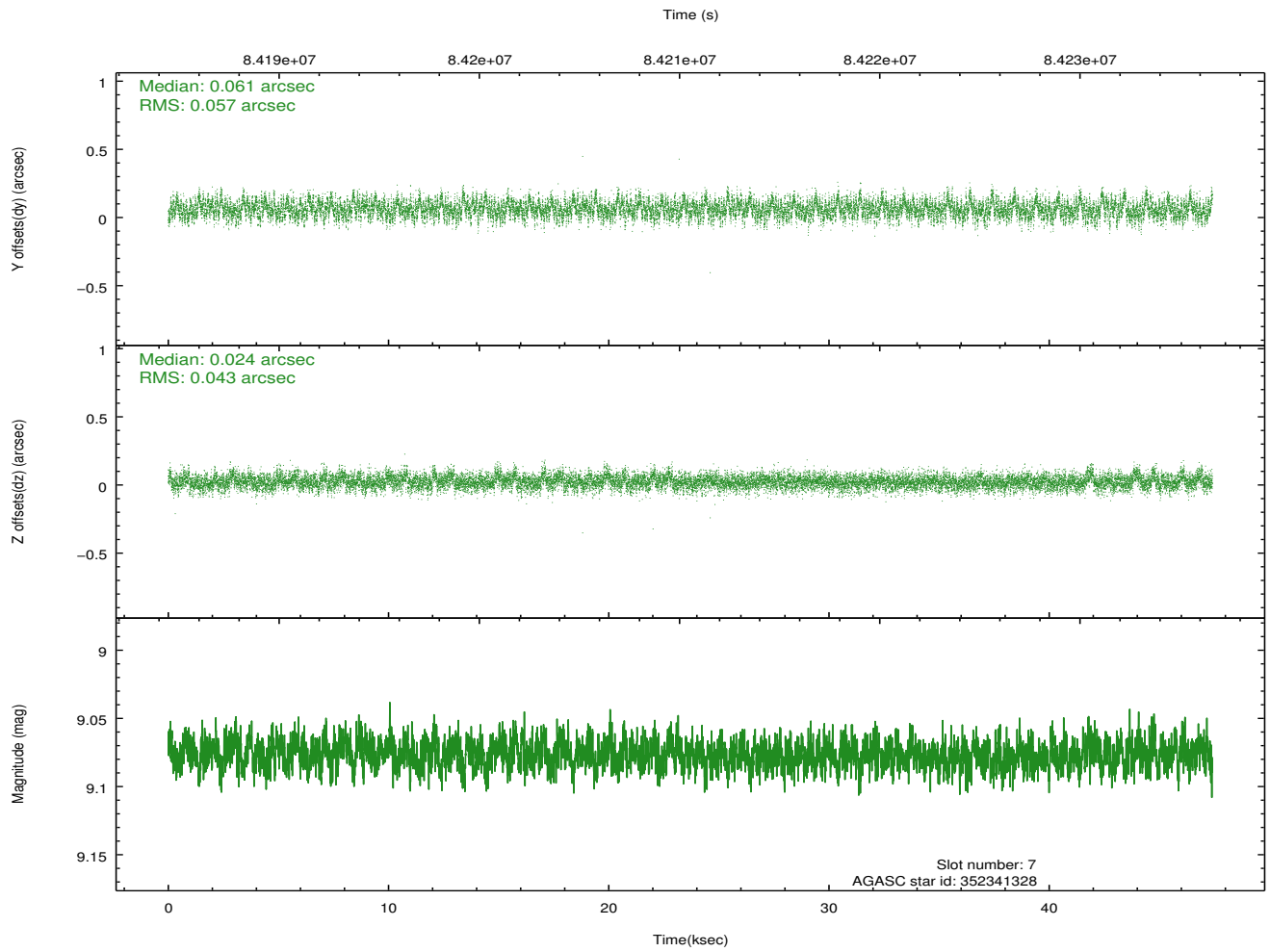
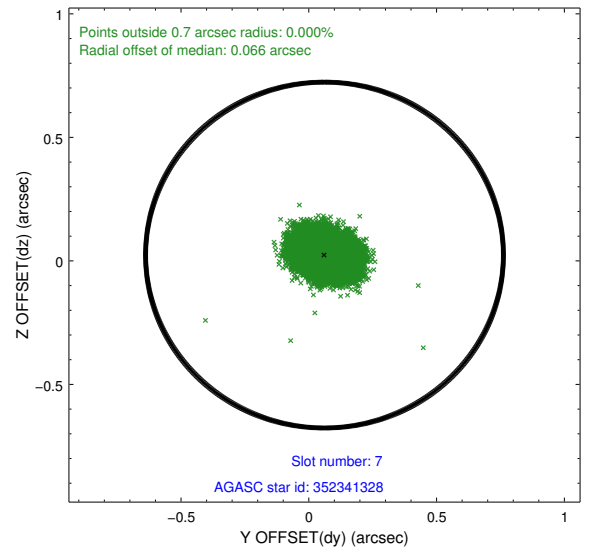
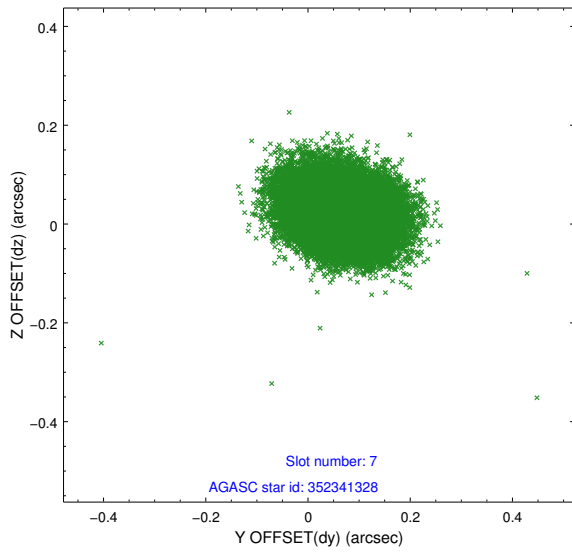
2.4.3 Slot 5



2.4.4 Slot 6

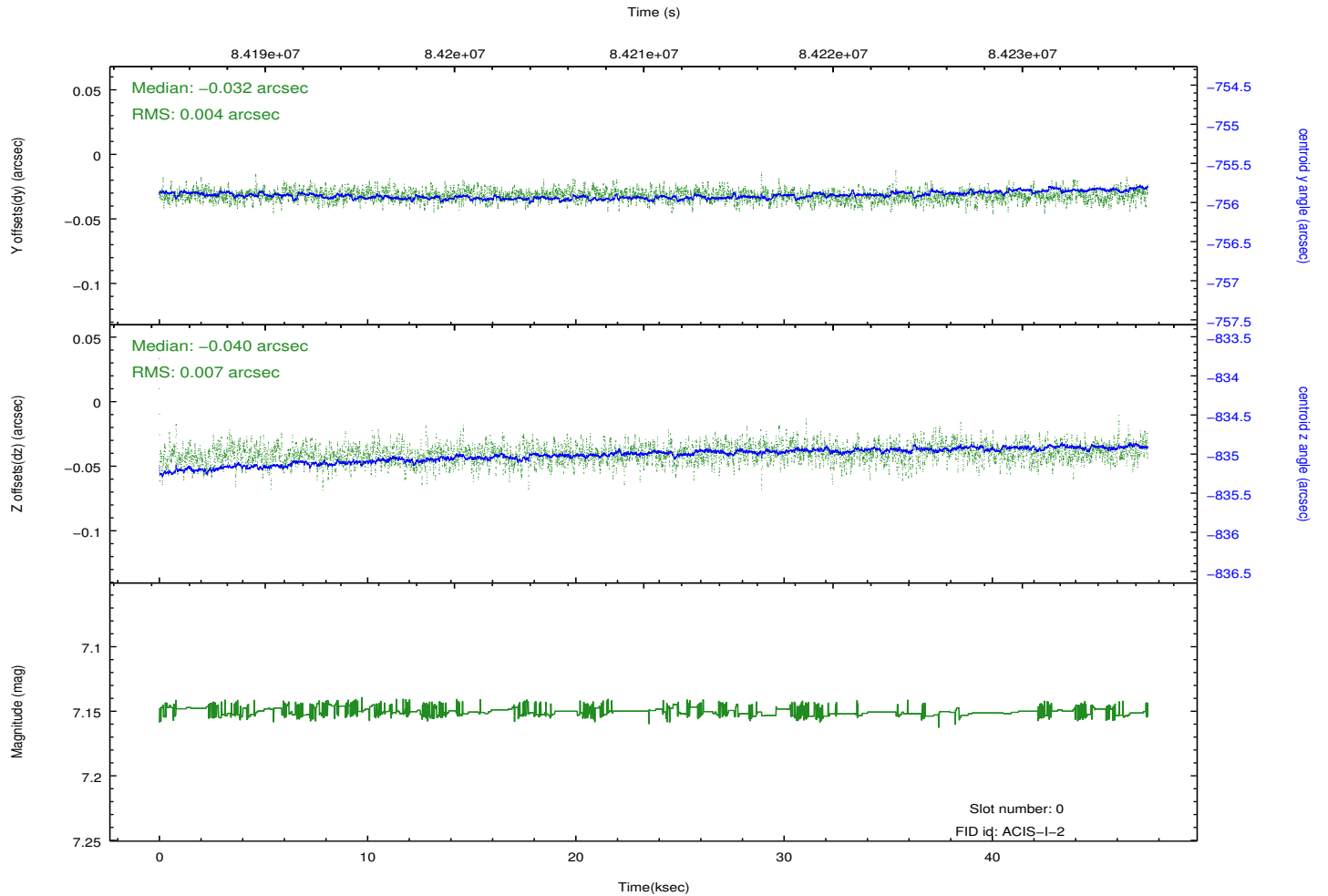
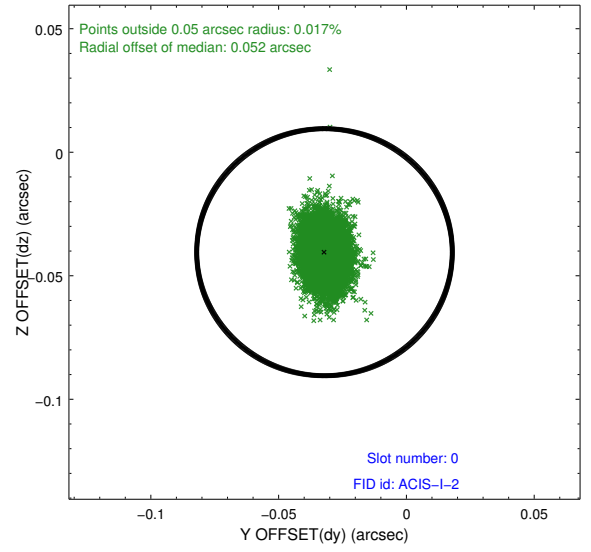
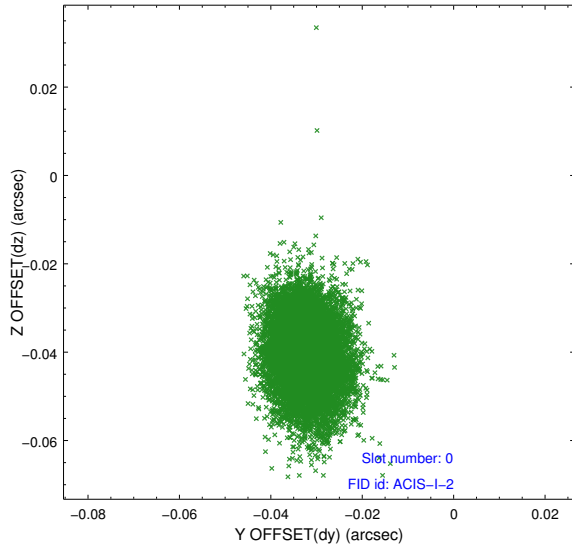


2.4.5 Slot 7

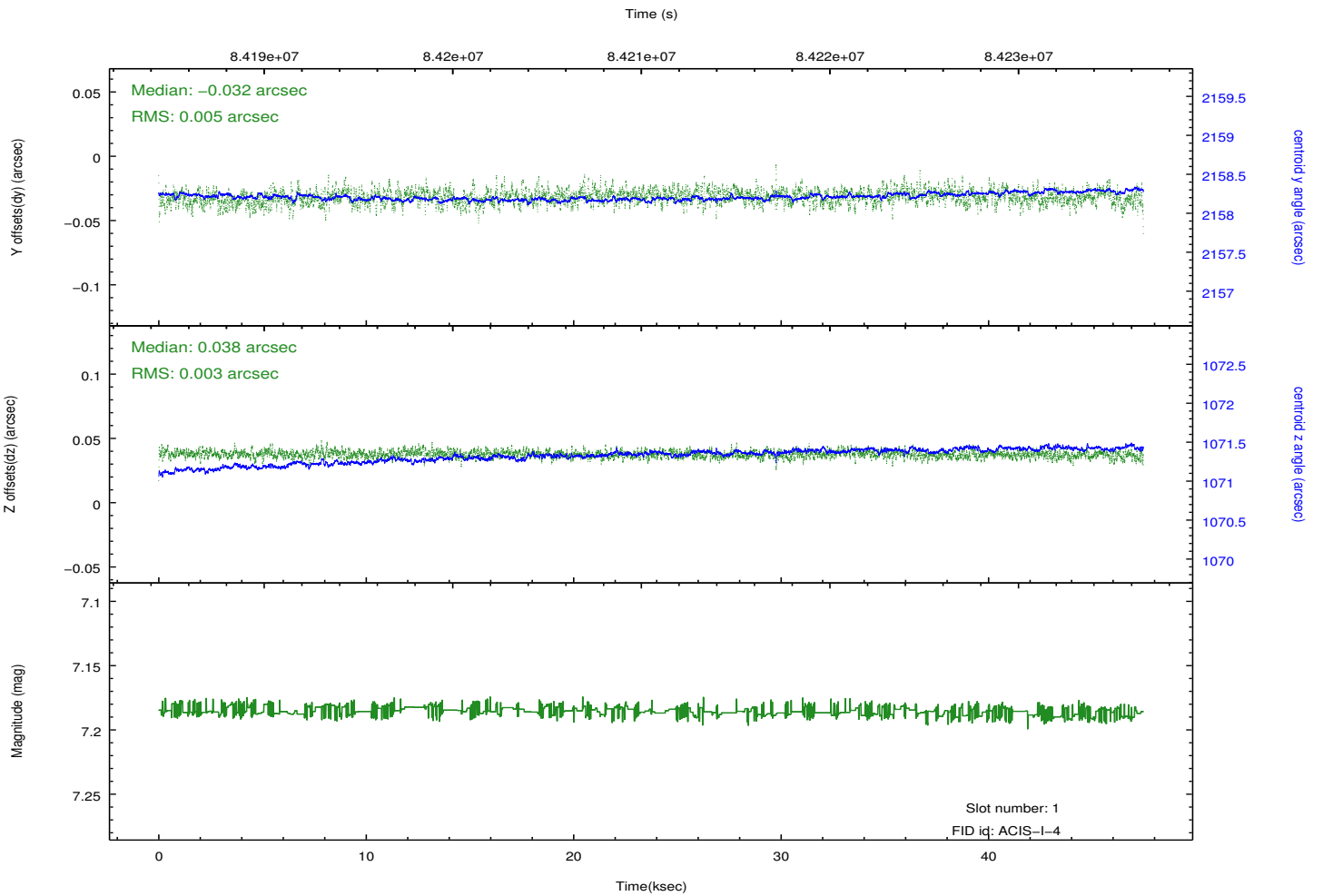
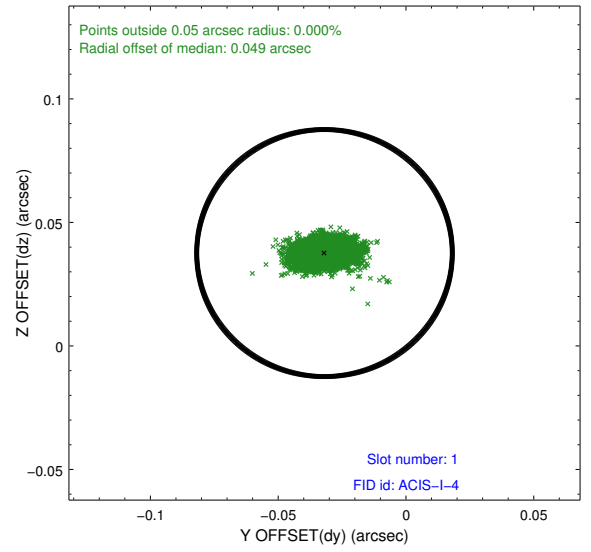
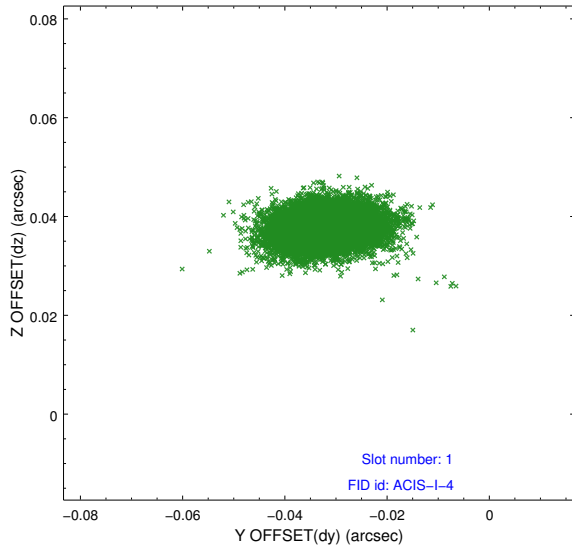


2.5 FID Slots

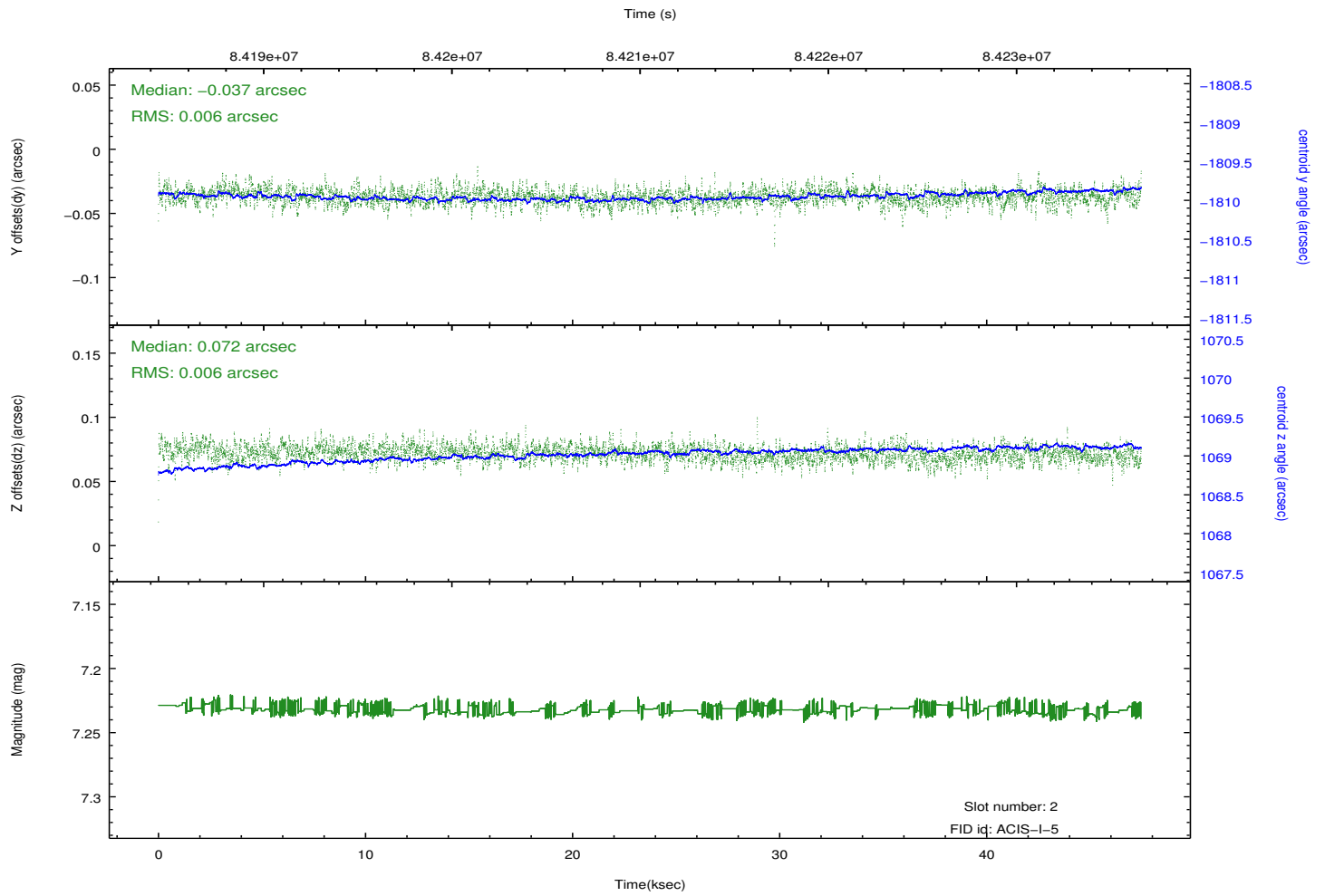
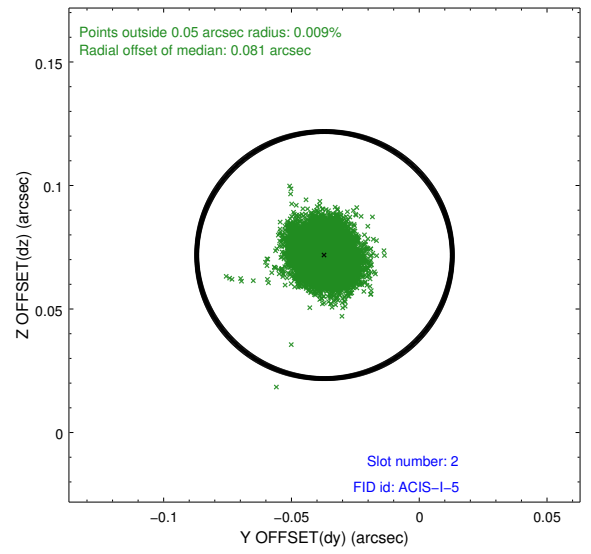
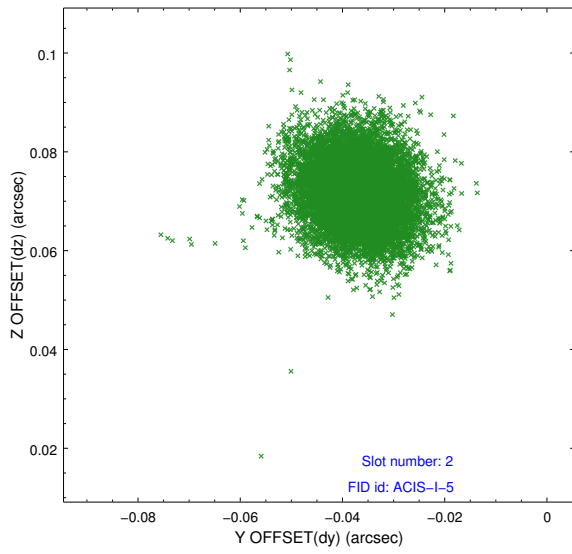
2.5.1 Slot 0



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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.395

A.2 Comments