

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12379 - L2 Version 2
Chandra X-Ray Center

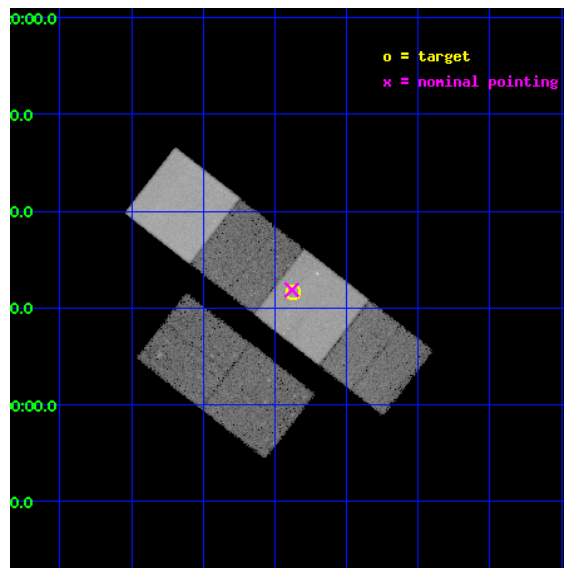
L2 Processing Date : Jul 8 2012

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1 Front

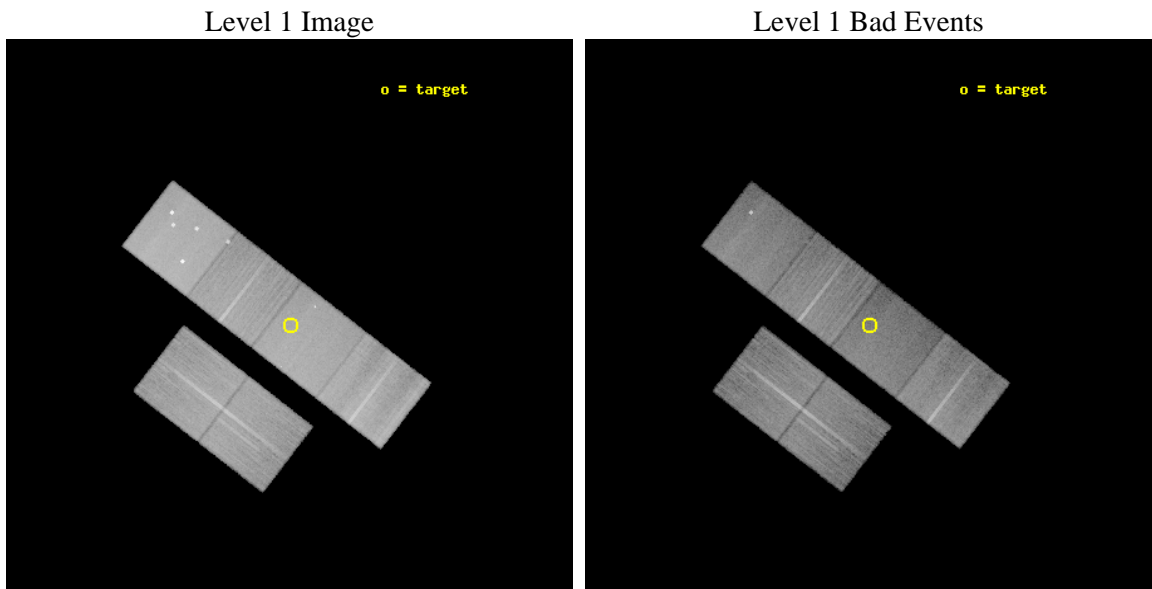
seq_num	200713	Sequence number
obs_id	12379	Observation id
title	X-rays from Planetary Nebulae: Unveiling Binarity, Magnetic Fields, and Wind Collisions	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	NGC 2346	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	107.34375	Observer's specified target RA [deg]
dec_targ	-0.806556	Observer's specified target Dec [deg]
ra_nom	107.34543753109	Nominal RA [deg]
dec_nom	-0.80201888548802	Nominal Dec [deg]
roll_nom	37.771477891172	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30268.7998873	Sum of GTIs [s]
livetime	29885.518117443	Livetime [s]
ontime2	30268.7998873	Sum of GTIs [s]
ontime3	30265.558867037	Sum of GTIs [s]
ontime5	30268.7998873	Sum of GTIs [s]
ontime6	30265.558906972	Sum of GTIs [s]
ontime7	30268.7998873	Sum of GTIs [s]
ontime8	30262.317846119	Sum of GTIs [s]
l2events	352663	Number of level 2 events



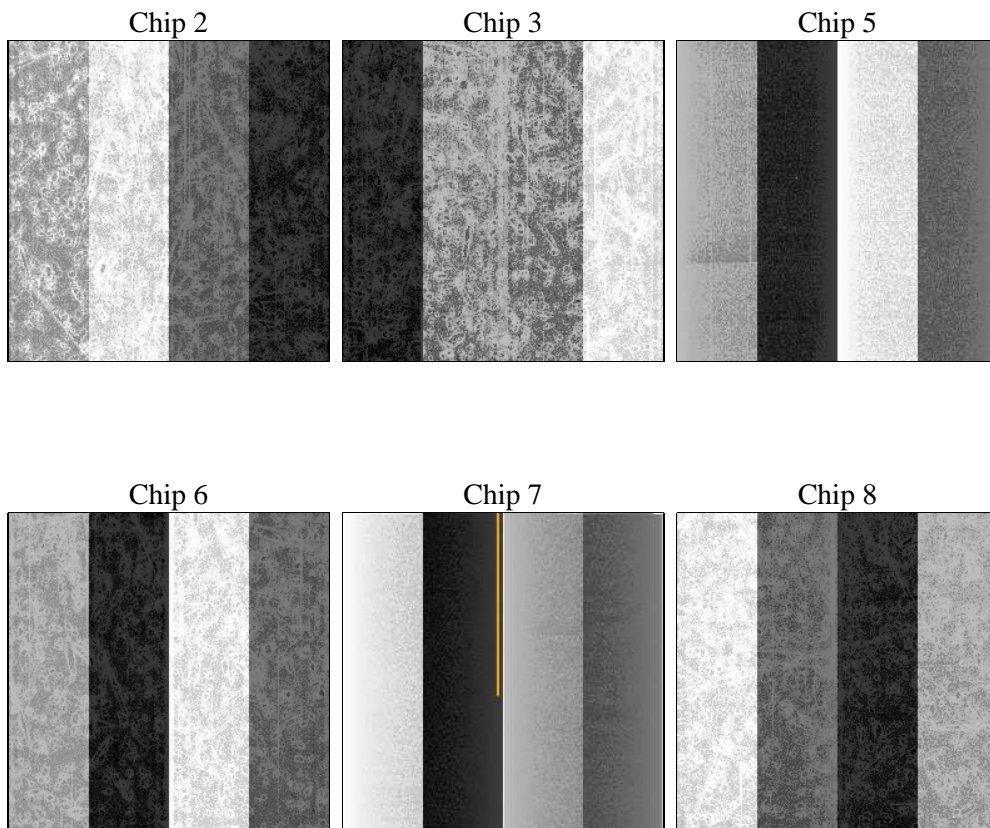
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30216.620000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30268.7998873	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	30268.7998873	Sum of GTIs [s]
date	2012-07-08T20:08:59	Date and time of file creation	ontime3	30265.558867037	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	30268.7998873	Sum of GTIs [s]
			ontime6	30265.558906972	Sum of GTIs [s]
			ontime7	30268.7998873	Sum of GTIs [s]
			ontime8	30262.317846119	Sum of GTIs [s]
			l1events	1518861	Number of level 1 events

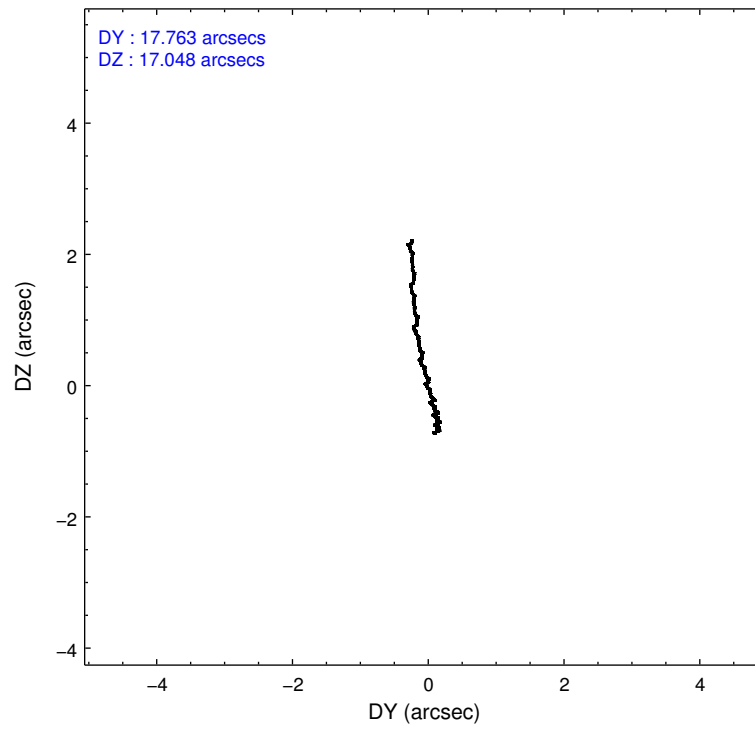
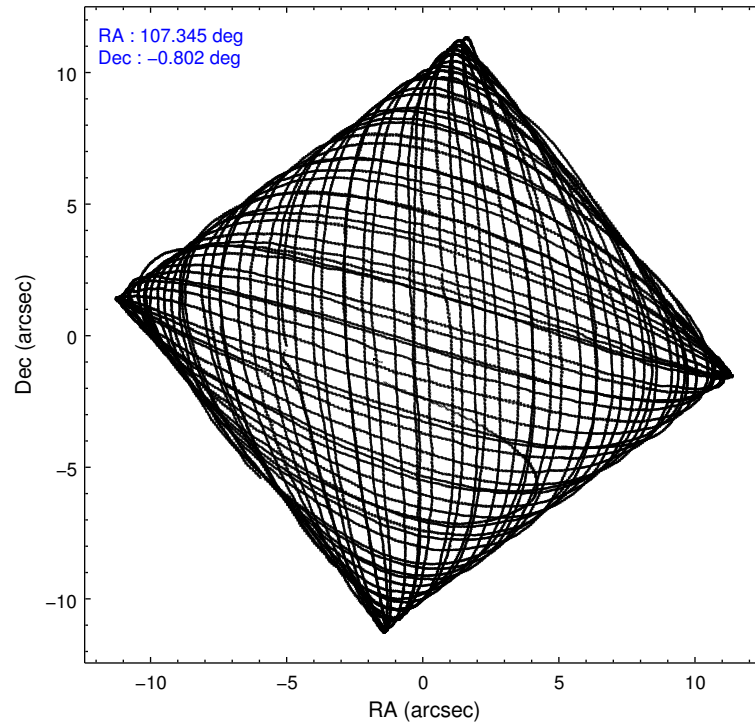
2.1.4 Events

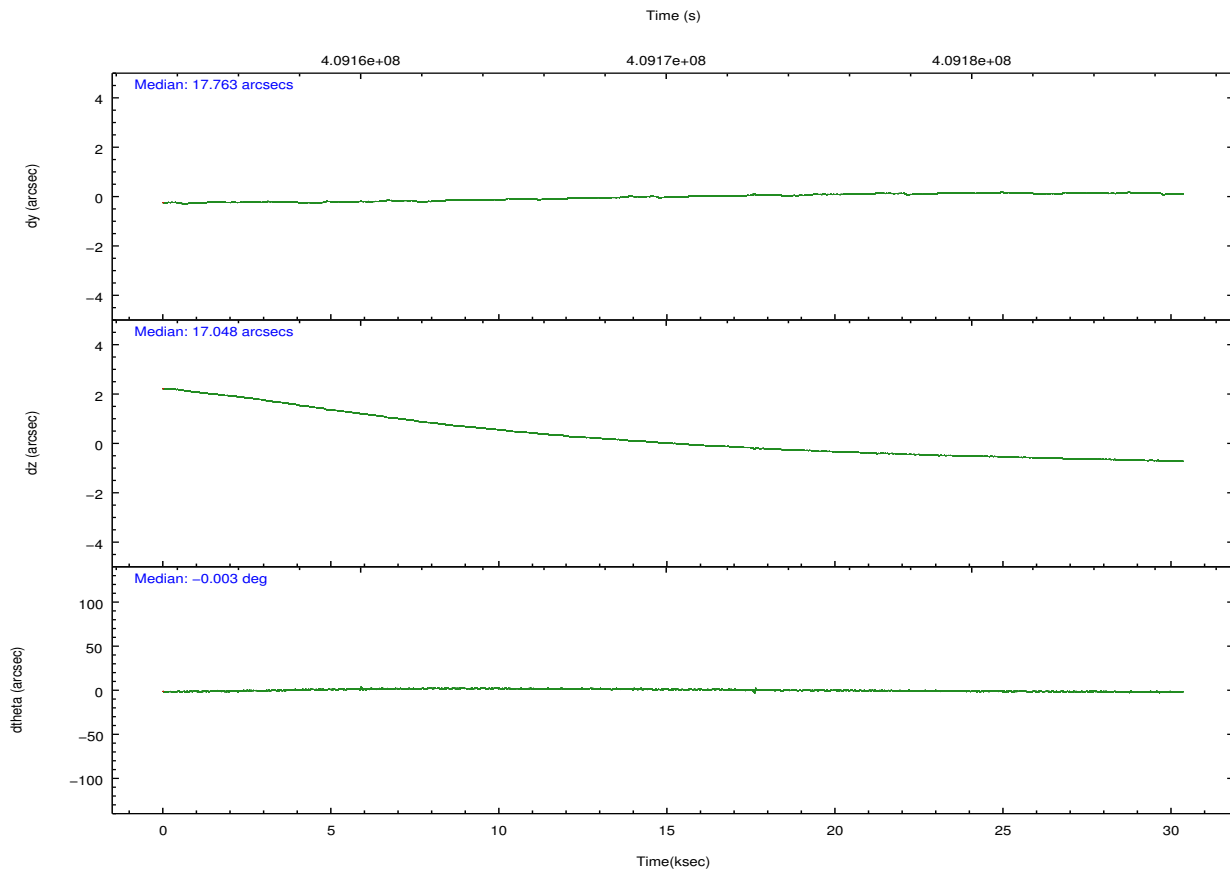
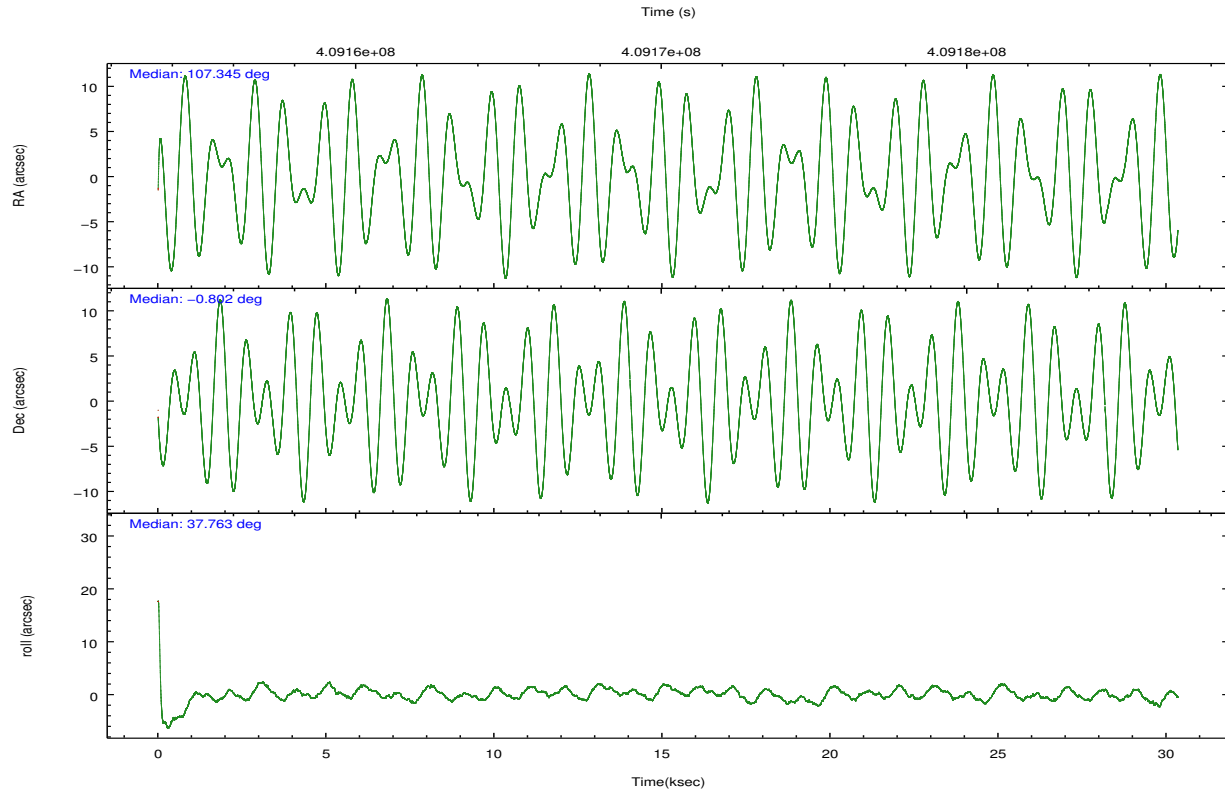
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	219718	204720	338541	217719	263214	274949	grade 0 events	8978	8425	24720	9063	11000	21013
rejected events	195681	182093	166937	192799	143640	203115		4%	4%	7%	4%	4%	7%
rejected %	89%	88%	49%	88%	54%	73%	grade 1 events	115	135	727	124	329	224
								0%	0%	0%	0%	0%	0%
							grade 2 events	5746	4878	50824	5447	24559	17412
								2%	2%	15%	2%	9%	6%
							grade 3 events	2406	2419	5955	2545	10477	7427
								1%	1%	1%	1%	3%	2%
							grade 4 events	2366	2402	5701	2475	10572	6916
								1%	1%	1%	1%	4%	2%
							grade 5 events	8494	9488	25326	9531	27437	14089
								3%	4%	7%	4%	10%	5%
							grade 6 events	4551	4514	84435	5398	63001	19078
								2%	2%	24%	2%	23%	6%
							grade 7 events	187062	172459	140853	183136	115839	188790
								85%	84%	41%	84%	44%	68%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	107.335457	107.345437531086	CCD I2 on	O4	Y
[deg] Pointing Dec	-0.827463	-0.8020188854880174	CCD I3 on	O5	Y
[deg] Pointing Roll	37.614697	37.77147789117159	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O2	Y
[s] Observation start time (MET)	409155179.184000	409153953.72968	CCD S5 on	N	N
Observation start date	2010-12-19T14:11:53	2010-12-19T13:52:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	409185395.184000	409185621.10631	On-chip summing requested	N	N
Observation end date	2010-12-19T22:35:29	2010-12-19T22:40:21	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



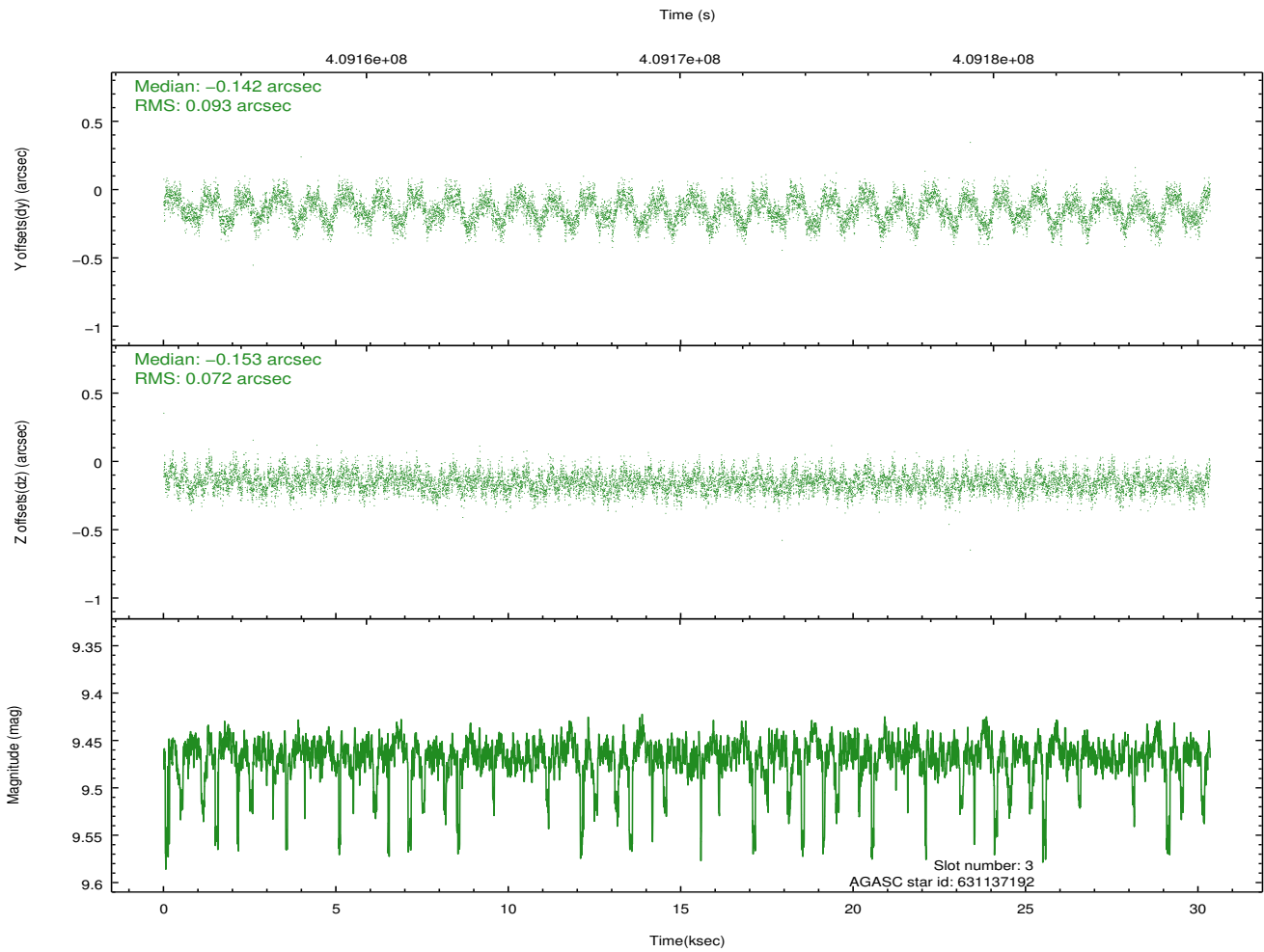
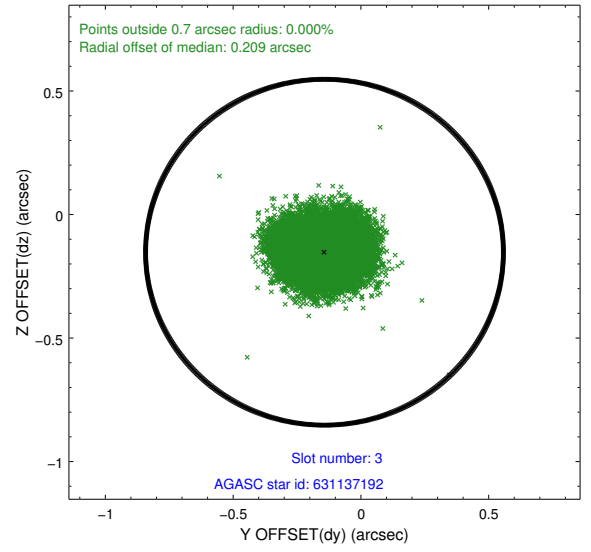
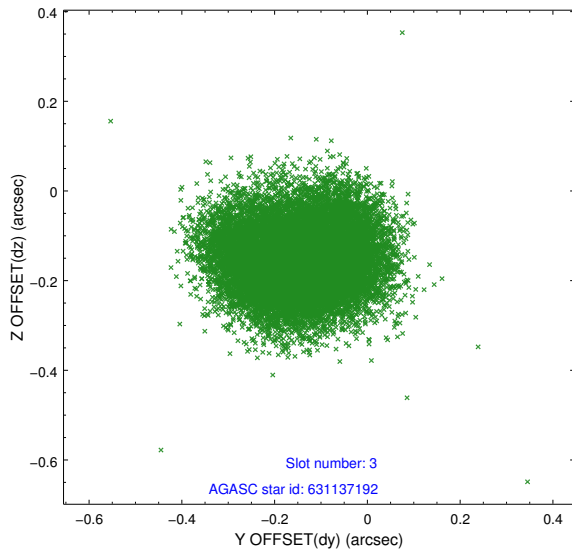


Slot Statistics

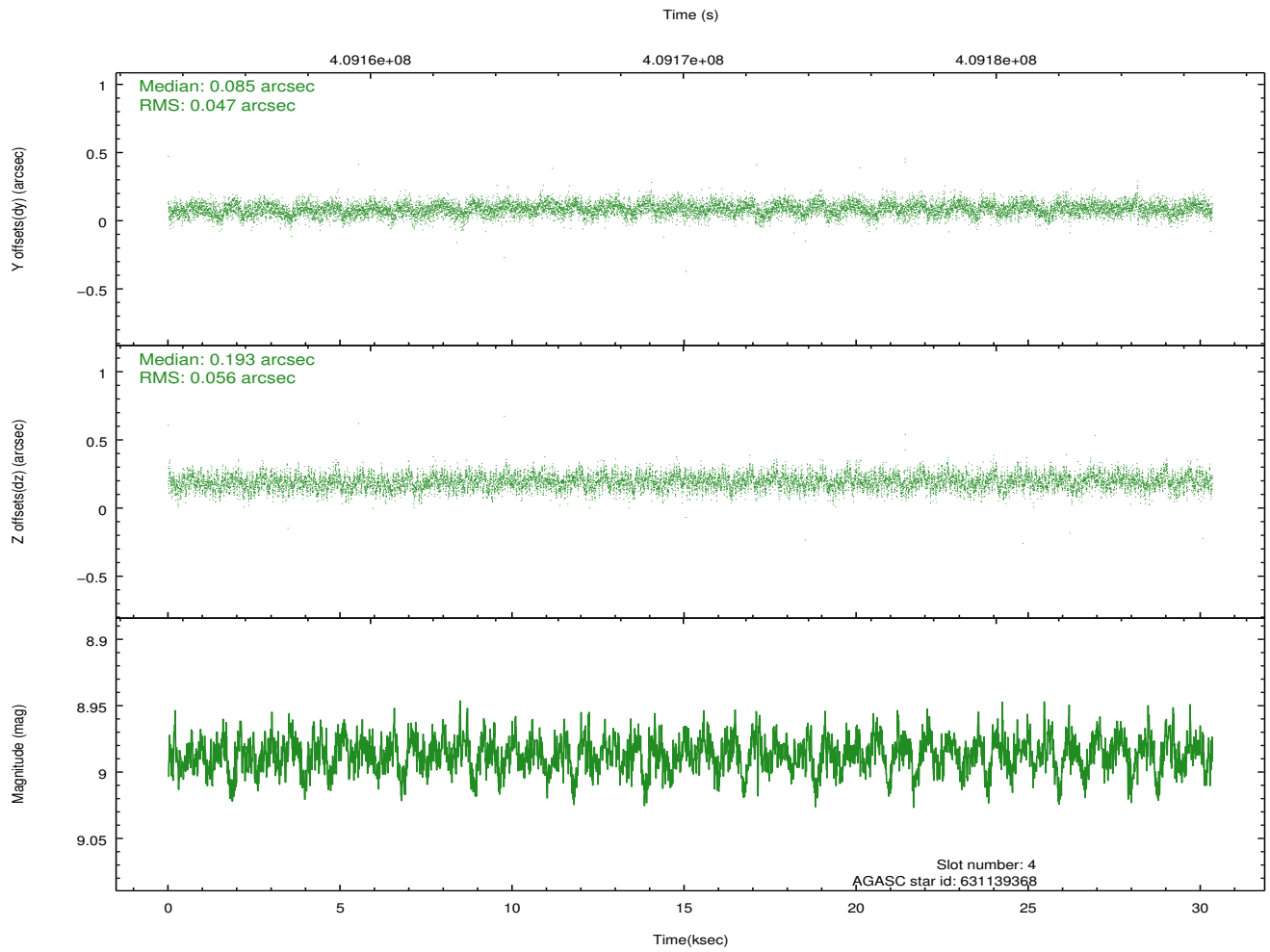
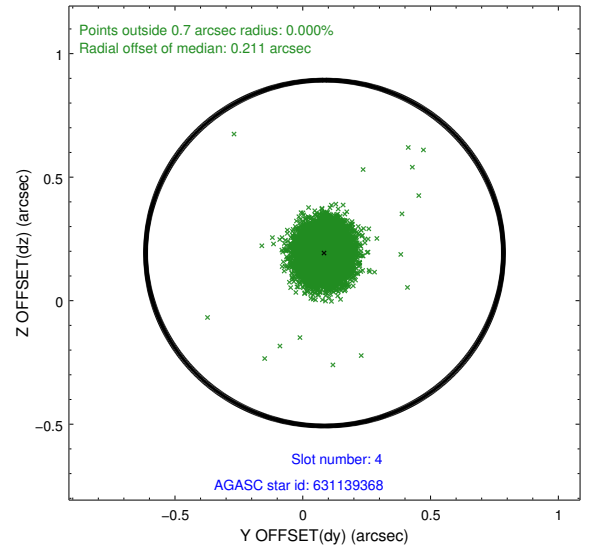
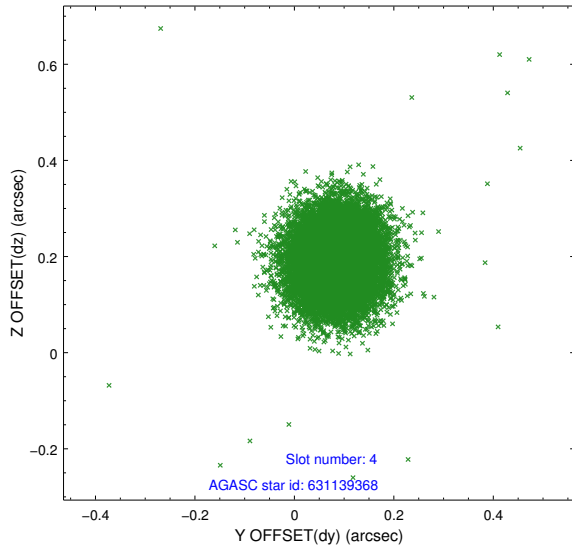
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	7402	-0.065	-0.025	0.017	0.033	0.000000	0.000000	-770.86	-1738.79
1	FID	ACIS-S-4	7.01	7402	0.189	0.038	0.012	0.022	0.000000	0.000000	2142.65	169.66
2	FID	ACIS-S-5	7.04	7401	-0.153	-0.003	0.014	0.024	0.000000	0.000000	-1823.68	163.41
3	GUIDE	631137192	9.47	14711	-0.142	-0.153	0.128	0.196	107.176674	-0.541767	174.90	1163.60
4	GUIDE	631139368	8.99	14788	0.085	0.193	0.077	0.124	107.135043	-1.224978	-1444.32	-693.09
5	GUIDE	631142048	9.18	14788	0.163	0.229	0.103	0.160	107.095205	-1.286544	-1693.17	-781.31
6	GUIDE	631002040	8.12	14793	0.030	-0.394	0.073	0.116	106.717871	-0.623924	-1313.94	1936.81
7	GUIDE	631123000	8.28	14719	-0.133	0.116	0.087	0.136	107.876600	-1.031365	1095.15	-1769.61

2.4 Star Slots

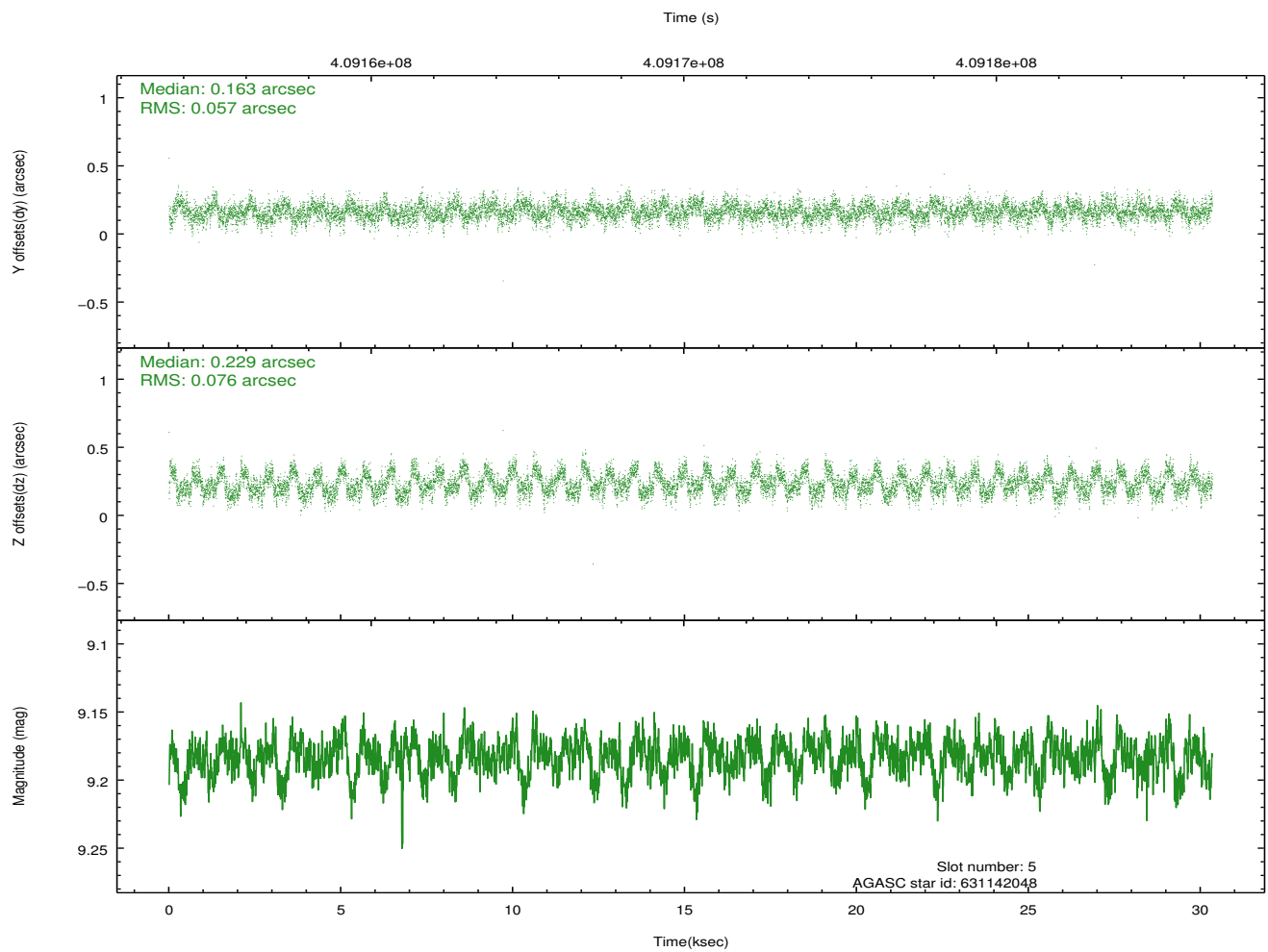
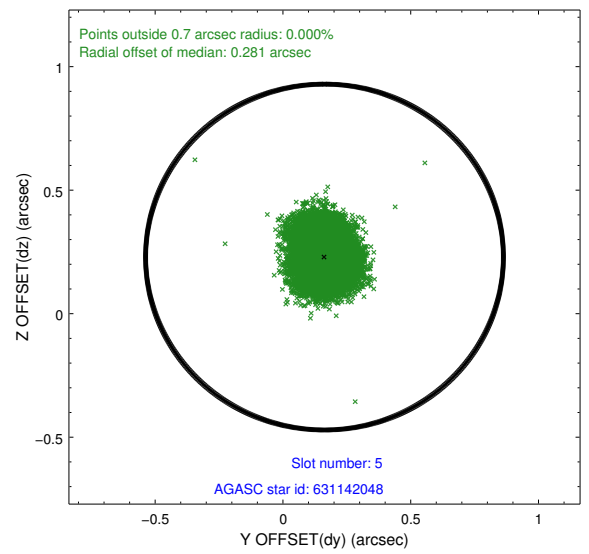
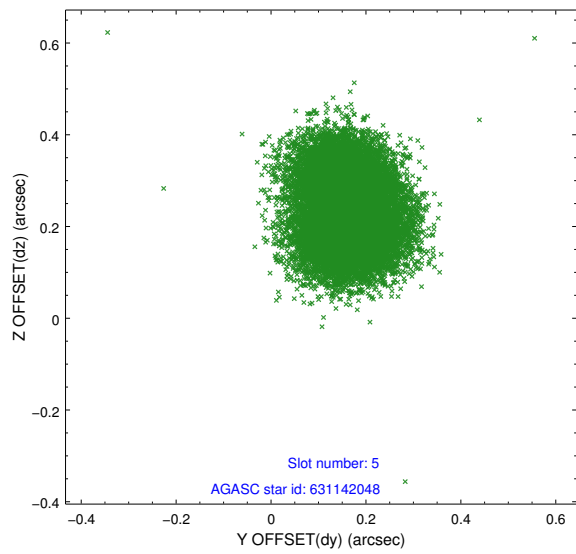
2.4.1 Slot 3



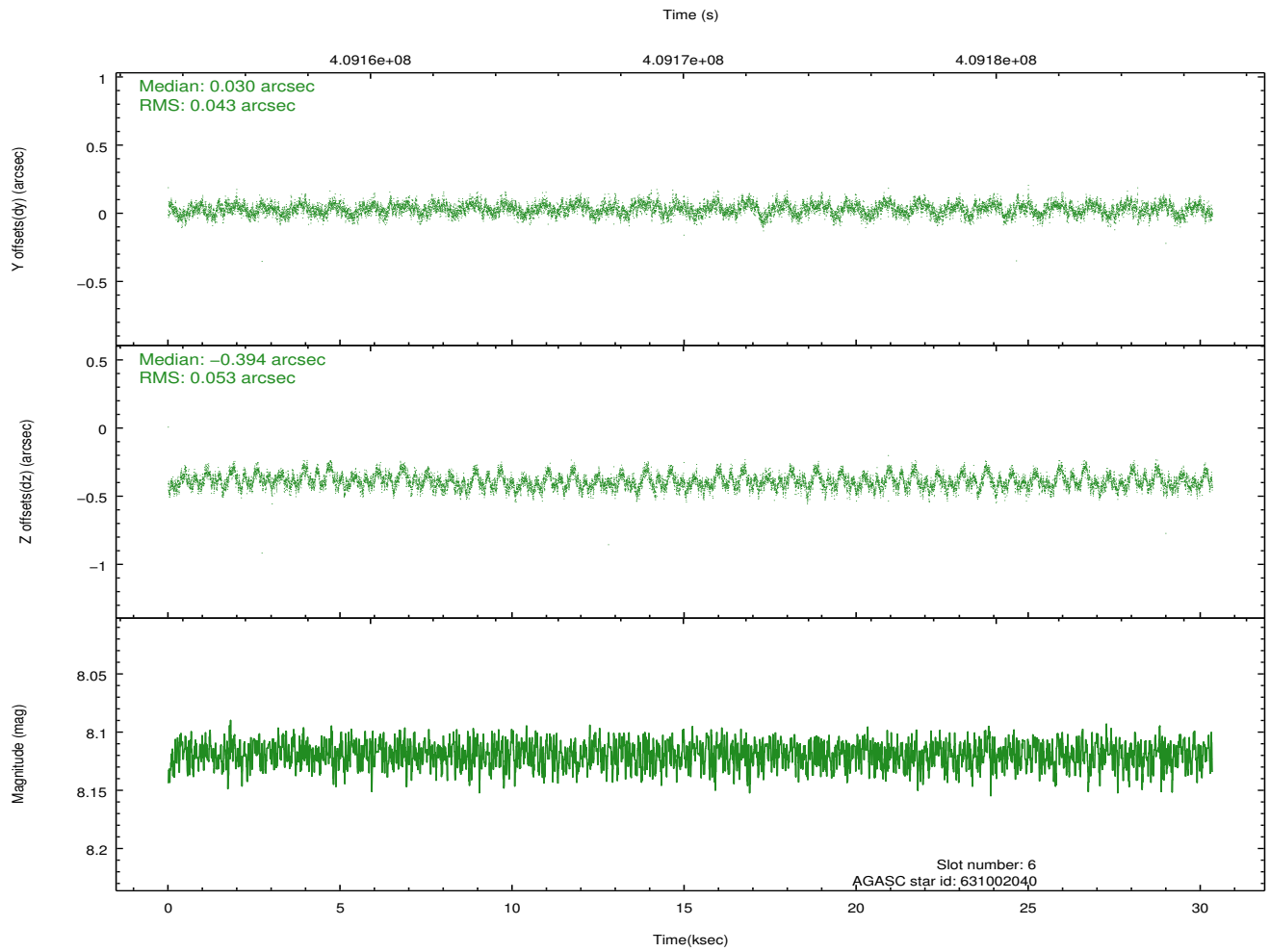
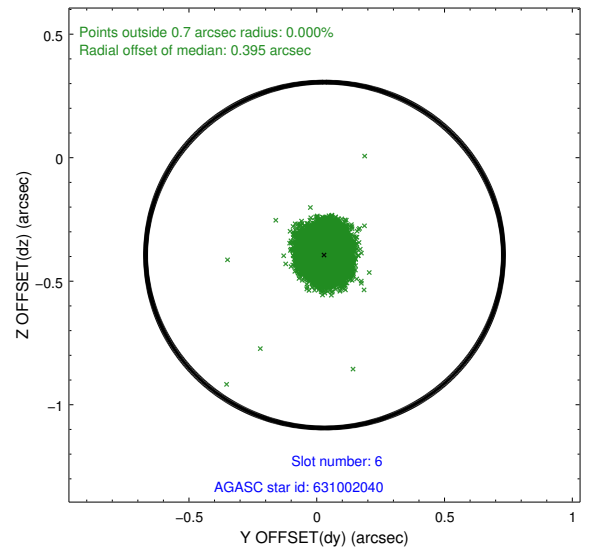
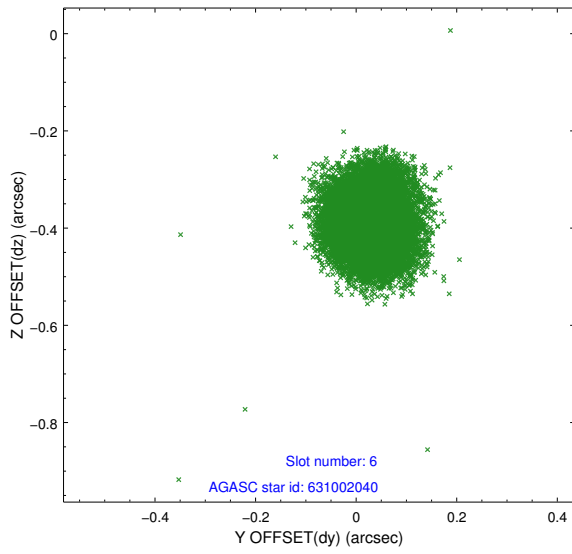
2.4.2 Slot 4



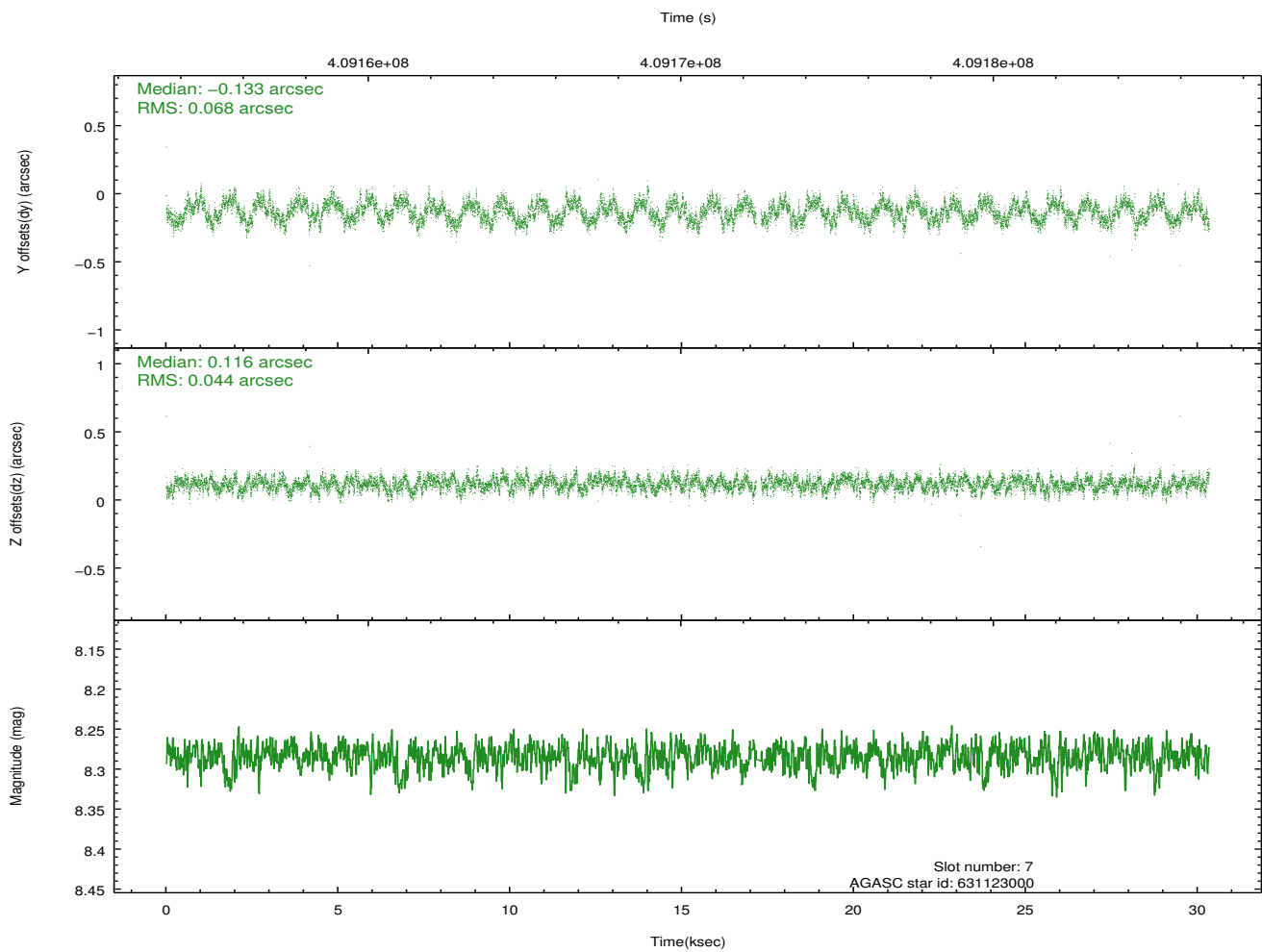
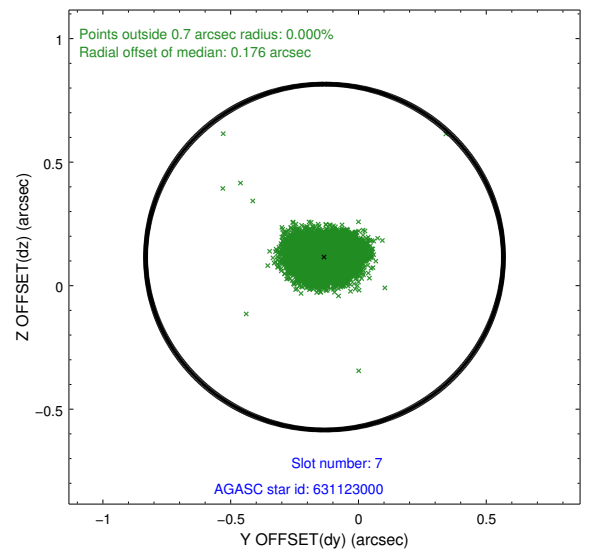
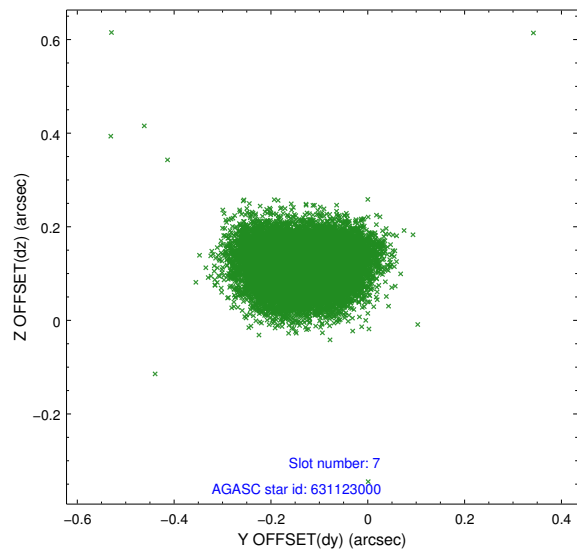
2.4.3 Slot 5



2.4.4 Slot 6

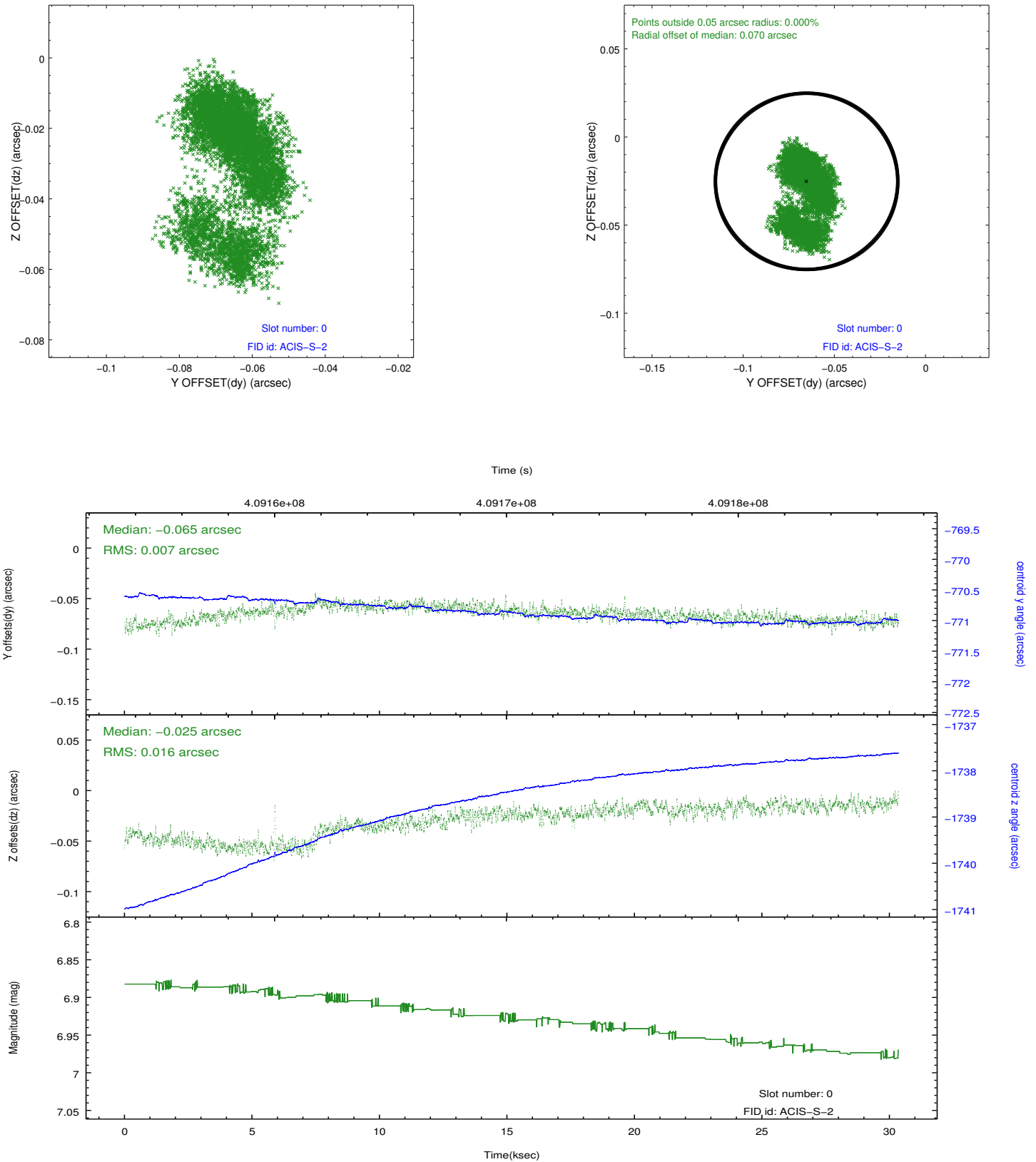


2.4.5 Slot 7

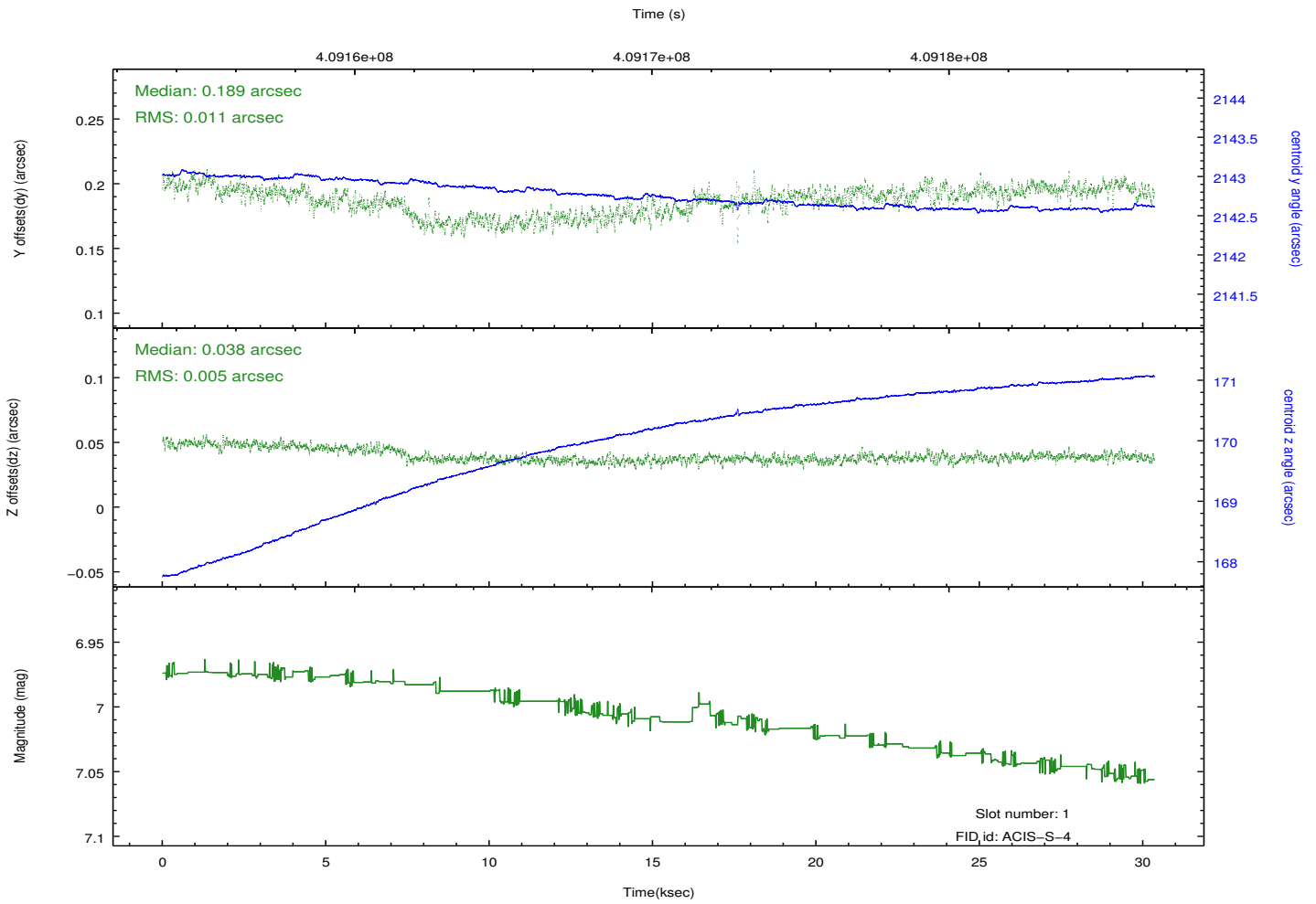
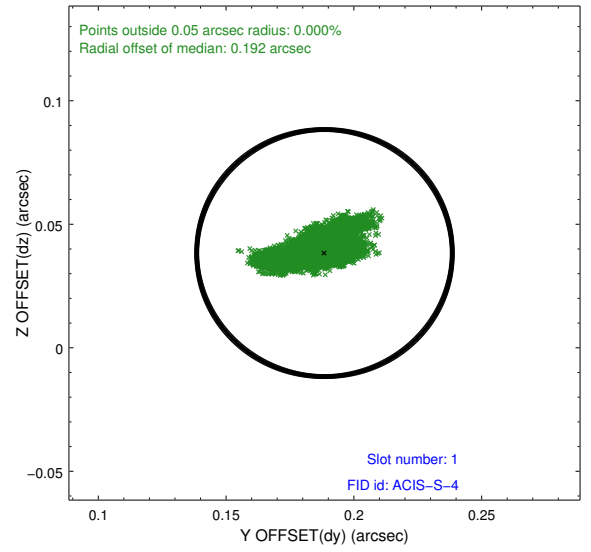
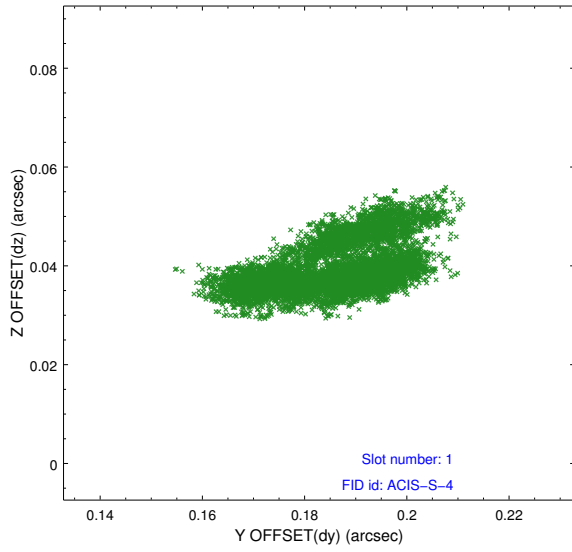


2.5 FID Slots

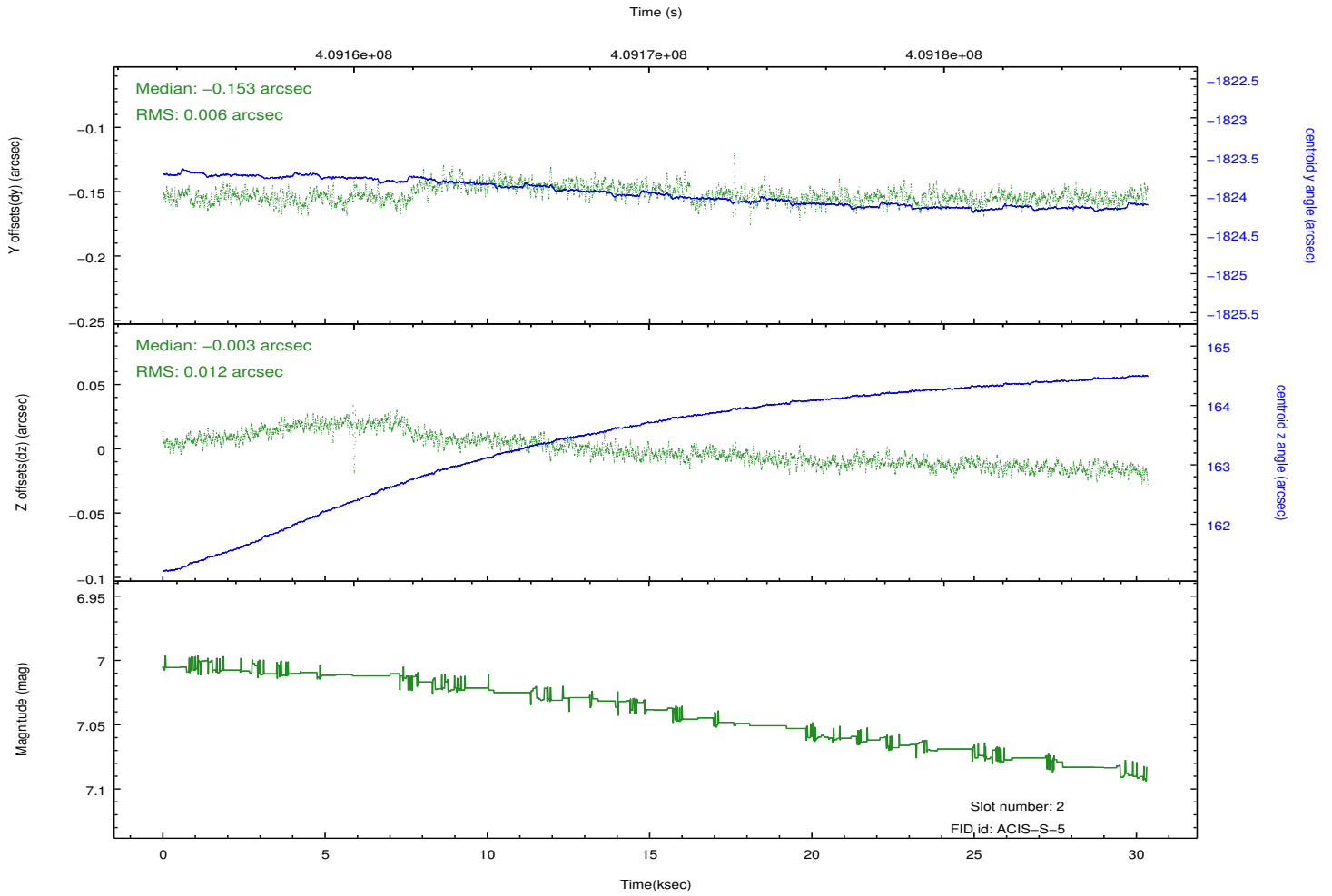
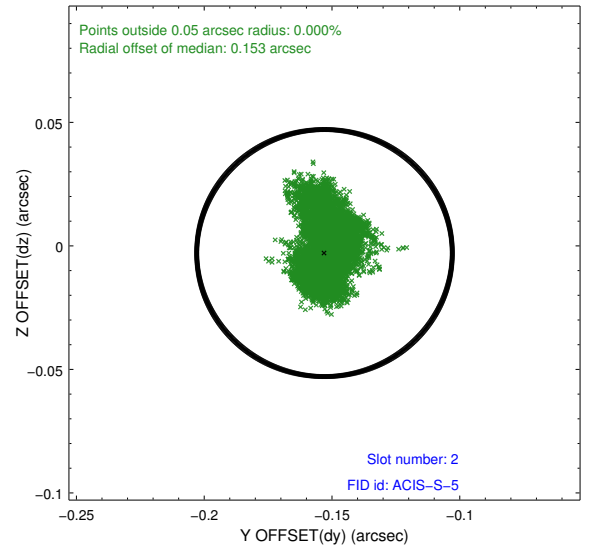
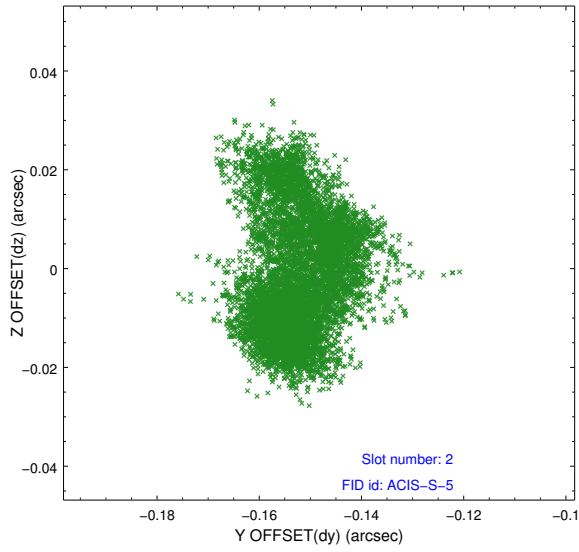
2.5.1 Slot 0



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)	2012.07.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.2687998873

A.2 Comments