

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3969 - L2 Version 3
Chandra X-Ray Center

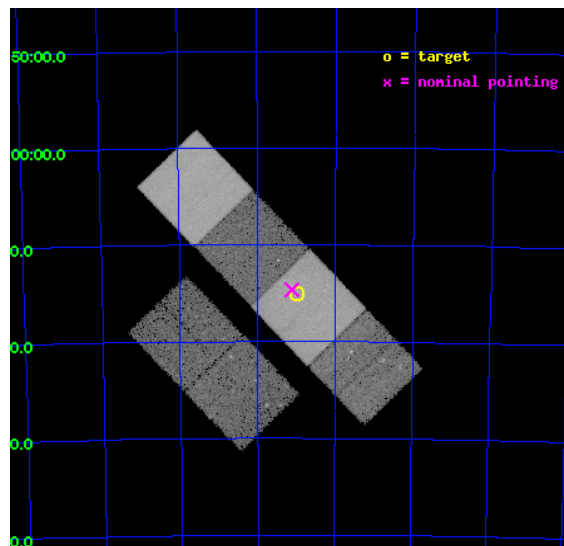
L2 Processing Date : Nov 8 2012

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1 Front

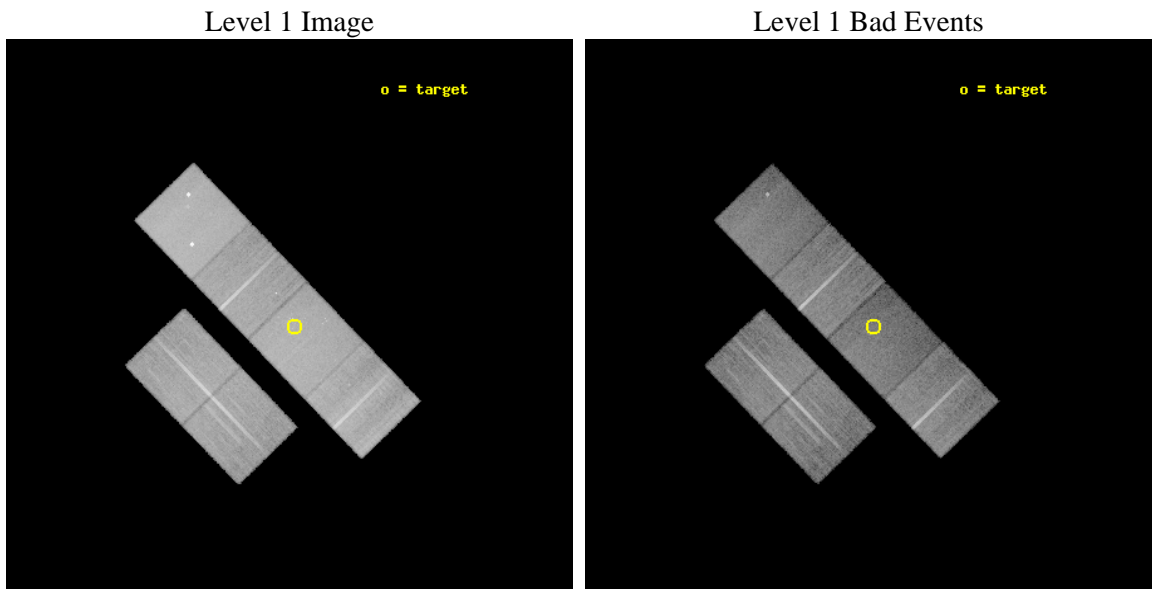
seq_num	700648	Sequence number
obs_id	3969	Observation id
title	X-RAY STRUCTURE OF THE "BLOW-OUT" GAS IN TWO COLLISIONAL RING GALAXIES	Proposal title
observer	Dr. John Wallin	Principal investigator
object	AM0644-741 SW RING	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	100.75	Observer's specified target RA [deg]
dec_targ	-74.25	Observer's specified target Dec [deg]
ra_nom	100.7788350511	Nominal RA [deg]
dec_nom	-74.244325826017	Nominal Dec [deg]
roll_nom	46.029429909283	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39967.174395621	Sum of GTIs [s]
livetime	39461.08596808	Livetime [s]
ontime2	39963.974445462	Sum of GTIs [s]
ontime3	39963.810305327	Sum of GTIs [s]
ontime5	39967.133355618	Sum of GTIs [s]
ontime6	39967.092315614	Sum of GTIs [s]
ontime7	39967.174395621	Sum of GTIs [s]
ontime8	39963.769275397	Sum of GTIs [s]
l2events	320497	Number of level 2 events



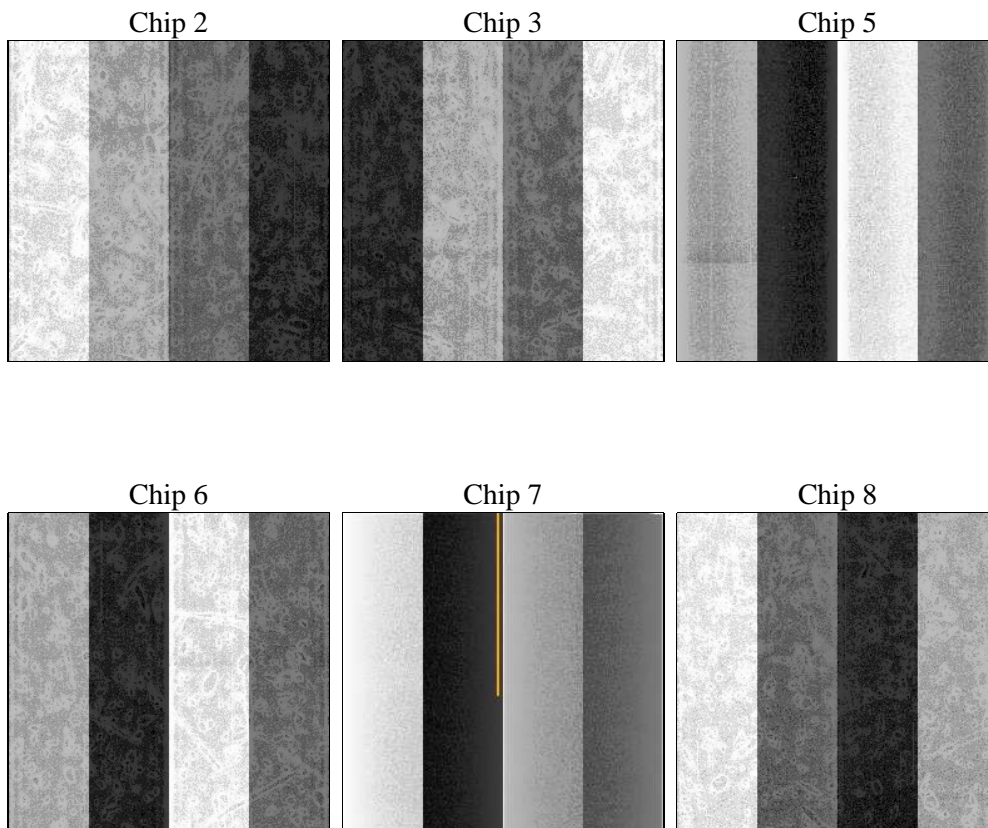
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39967.174395621	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	39963.974445462	Sum of GTIs [s]
date	2012-11-08T03:22:54	Date and time of file creation	ontime3	39963.810305327	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	39967.133355618	Sum of GTIs [s]
			ontime6	39967.092315614	Sum of GTIs [s]
			ontime7	39967.174395621	Sum of GTIs [s]
			ontime8	39963.769275397	Sum of GTIs [s]
			l1events	1218204	Number of level 1 events

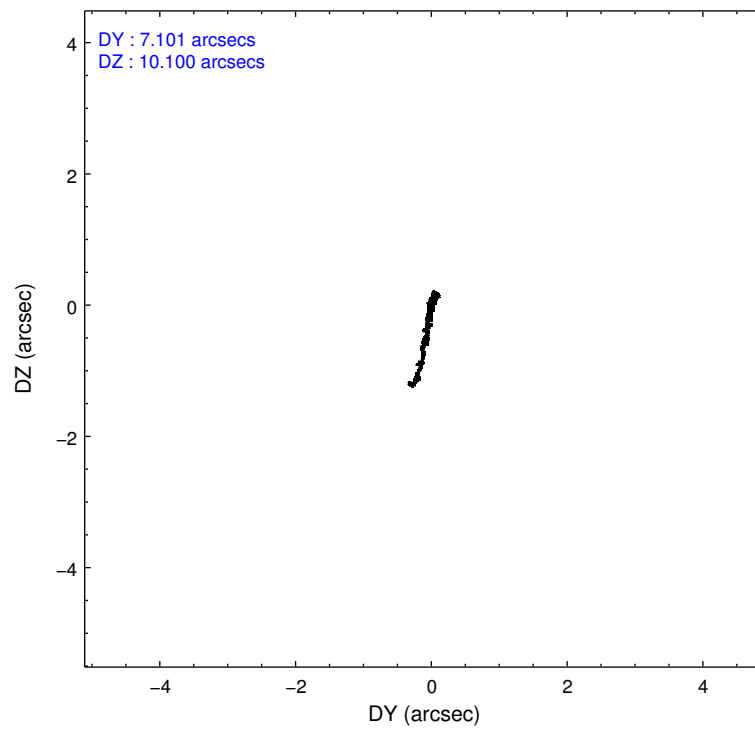
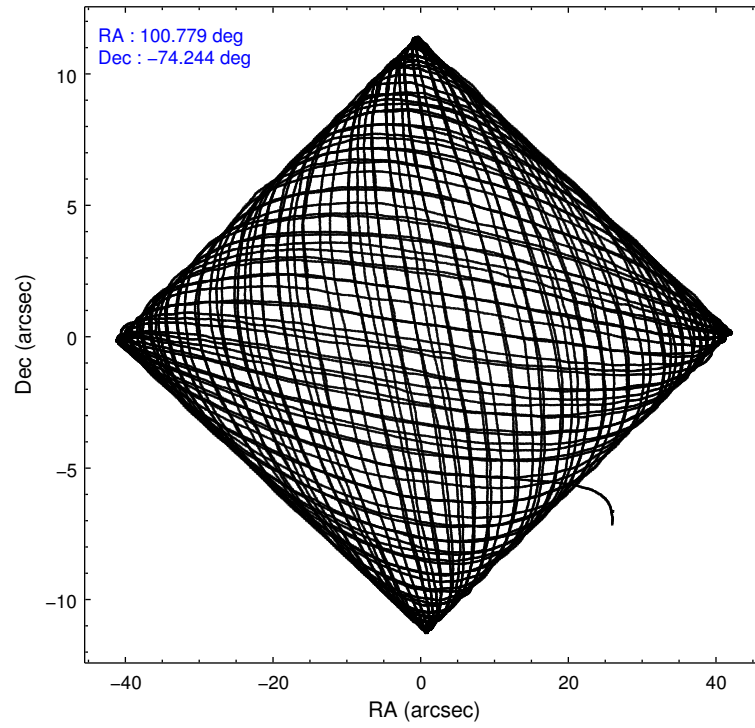
2.1.4 Events

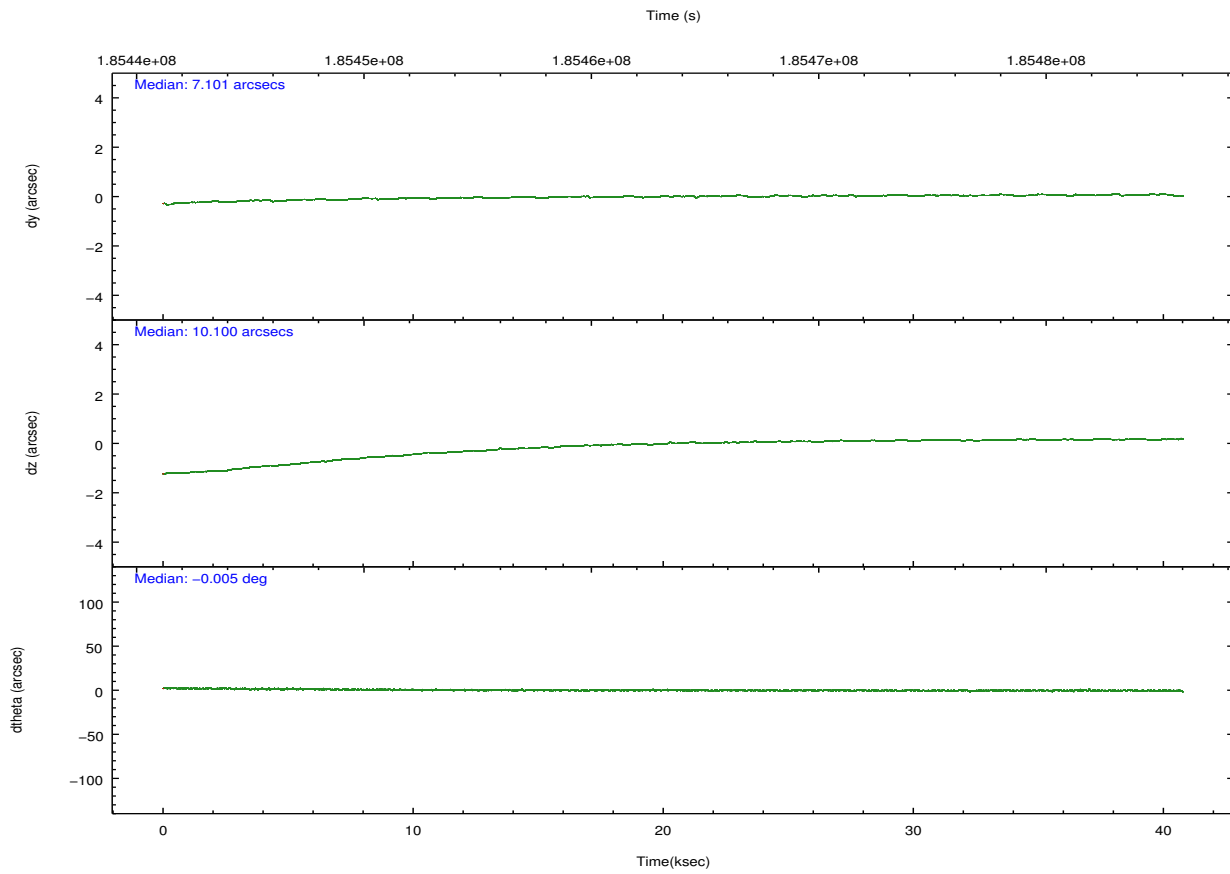
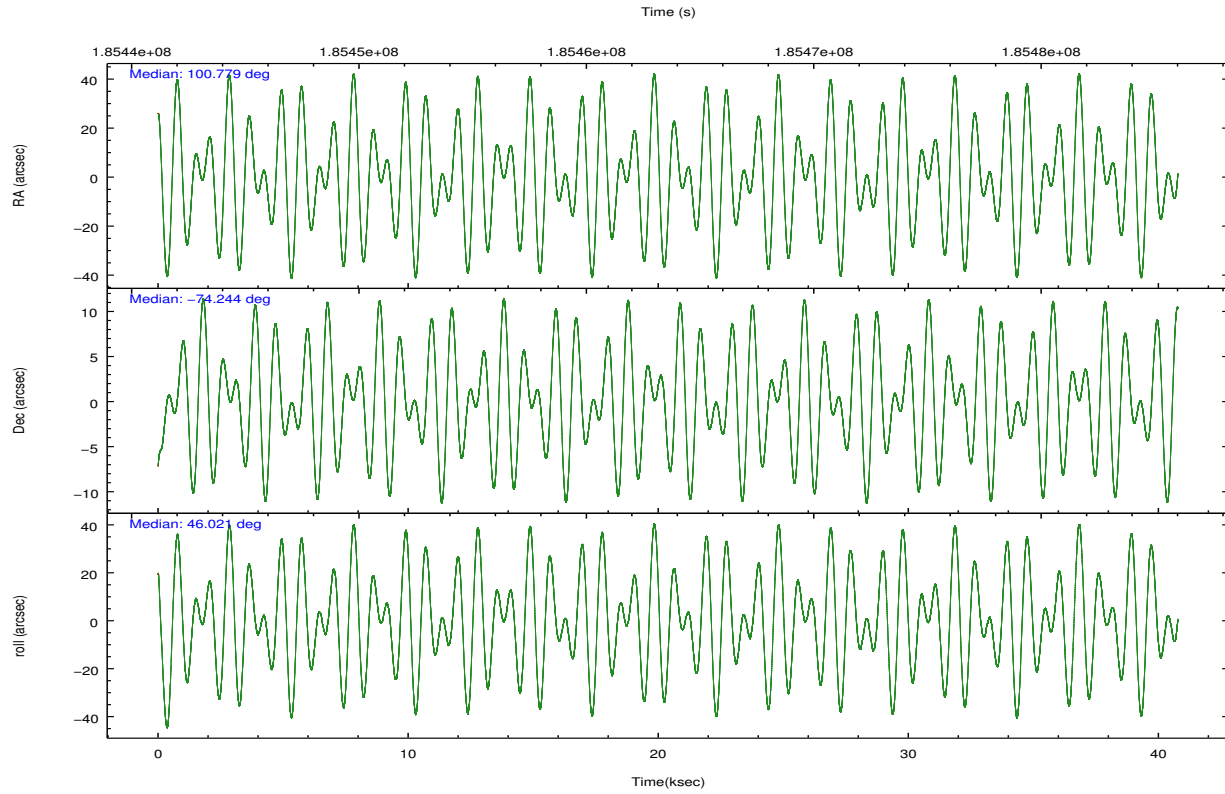
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	178888	164389	262669	174356	220249	217653	grade 0 events	7654	7346	20434	9772	11580	22459
rejected events	159894	146217	118840	152301	104454	157035		4%	4%	7%	5%	5%	10%
rejected %	89%	88%	45%	87%	47%	72%	grade 1 events	92	83	995	54	172	186
								0%	0%	0%	0%	0%	0%
							grade 2 events	4195	3576	39961	4253	22554	11495
								2%	2%	15%	2%	10%	5%
							grade 3 events	1977	1901	7245	2054	10637	6926
								1%	1%	2%	1%	4%	3%
							grade 4 events	1949	1965	7083	2035	10610	6508
								1%	1%	2%	1%	4%	2%
							grade 5 events	5926	6820	19316	7015	20327	9566
								3%	4%	7%	4%	9%	4%
							grade 6 events	3222	3387	69116	3942	60424	13258
								1%	2%	26%	2%	27%	6%
							grade 7 events	153873	139311	98519	145231	83945	147255
								86%	84%	37%	83%	38%	67%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	100.755902	100.7788350511021	Subarray requested	NONE	NONE
[deg] Pointing Dec	-74.270837	-74.24432582601744	Alternating exposures requested	N	N
[deg] Pointing Roll	45.850726	46.02942990928305	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	185443982.184000	185442727.66794			
Observation start date	2003-11-17T08:11:58	2003-11-17T07:52:07			
[s] Observation end time (MET)	185483982.184000	185484897.19476			
Observation end date	2003-11-17T19:18:38	2003-11-17T19:34:57			
Read mode	TIMED	TIMED			

2.3 Aspect



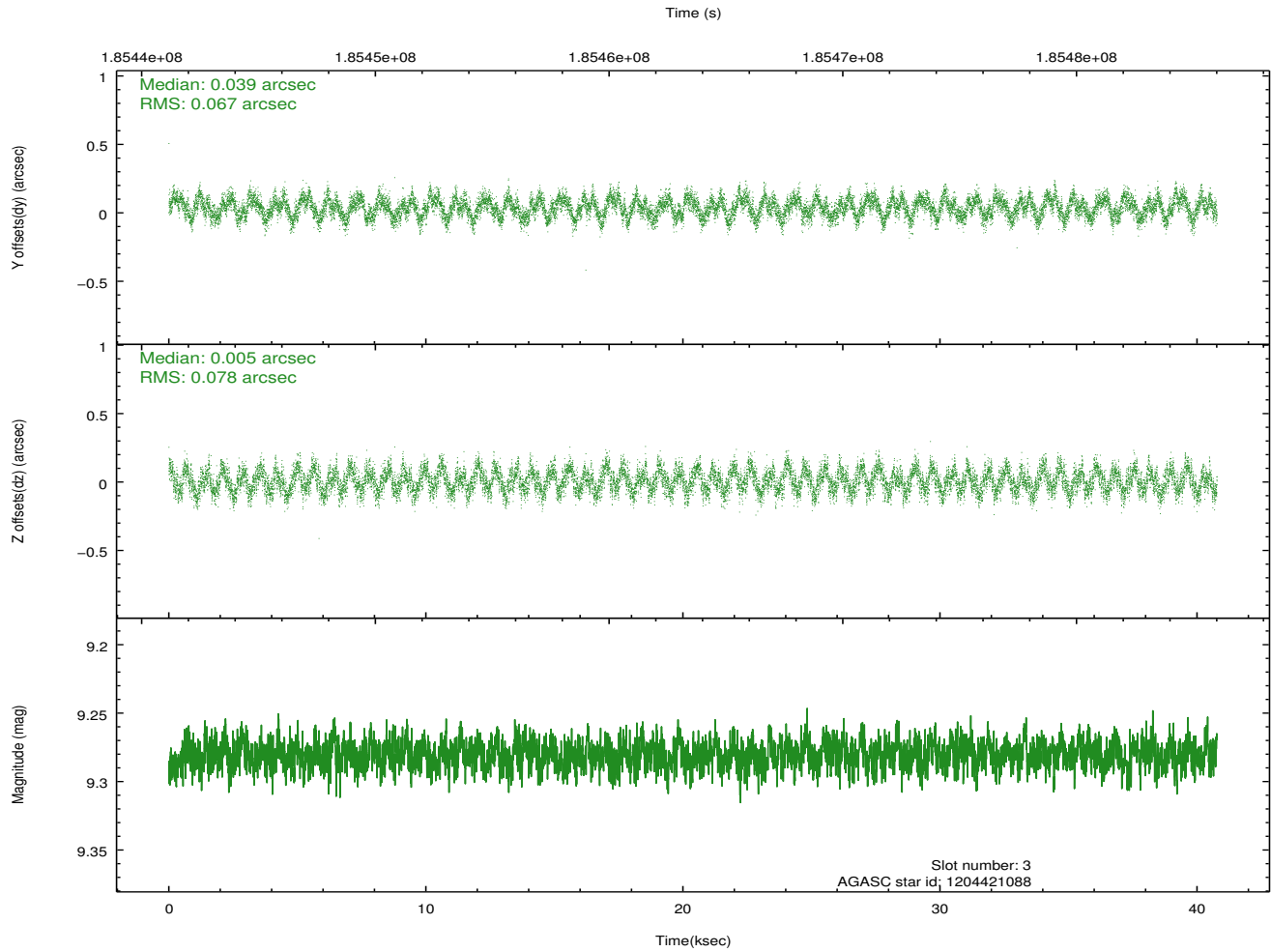
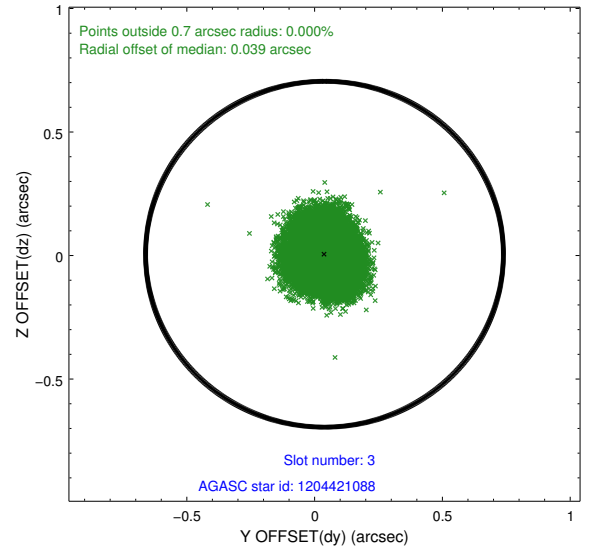
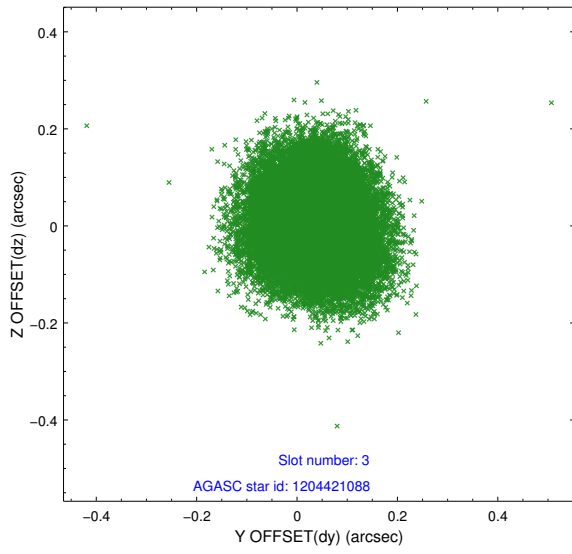


Slot Statistics

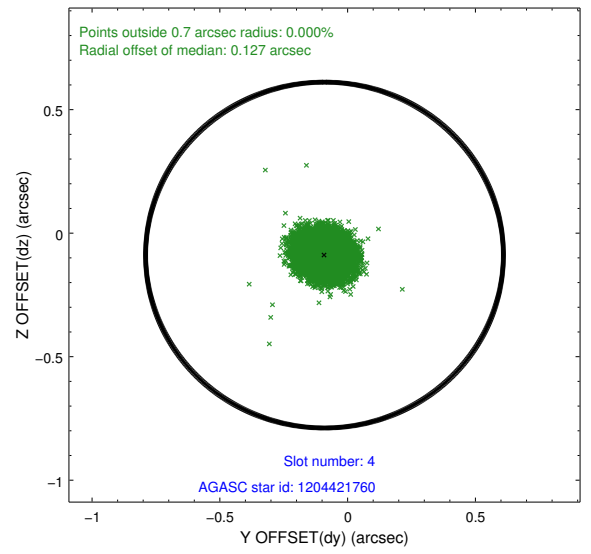
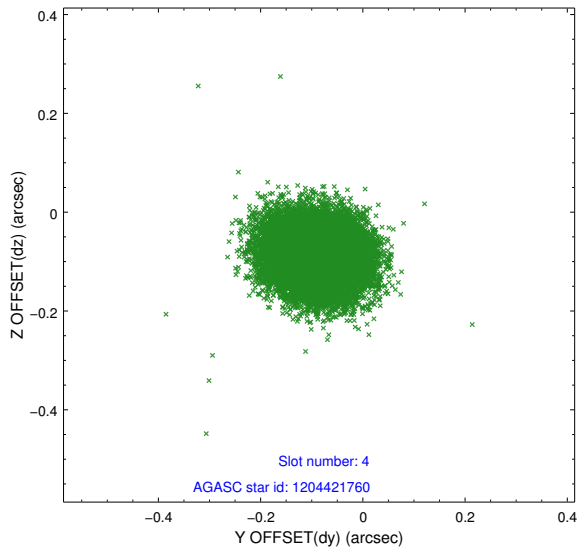
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9945	-0.046	-0.027	0.007	0.016	0.000000	0.000000	-759.85	-1731.13
1	FID	ACIS-S-4	7.20	9945	0.048	0.021	0.007	0.014	0.000000	0.000000	2153.49	177.43
2	FID	ACIS-S-6	7.34	9944	-0.029	0.013	0.008	0.015	0.000000	0.000000	402.13	814.81
3	GUIDE	1204421088	9.28	19882	0.039	0.005	0.112	0.169	101.693982	-74.566732	-142.80	-1391.45
4	GUIDE	1204421760	9.01	19885	-0.091	-0.089	0.068	0.109	99.371684	-74.305857	-1040.32	868.36
5	GUIDE	1204426280	9.34	19874	0.095	-0.021	0.086	0.139	101.163065	-74.418376	-107.29	-653.04
6	GUIDE	1204555584	8.92	19887	-0.068	0.029	0.070	0.113	102.419004	-74.557295	355.14	-1877.05
7	GUIDE	1204423736	8.78	19883	0.029	0.075	0.066	0.106	99.272017	-74.796122	-2344.61	-324.28

2.4 Star Slots

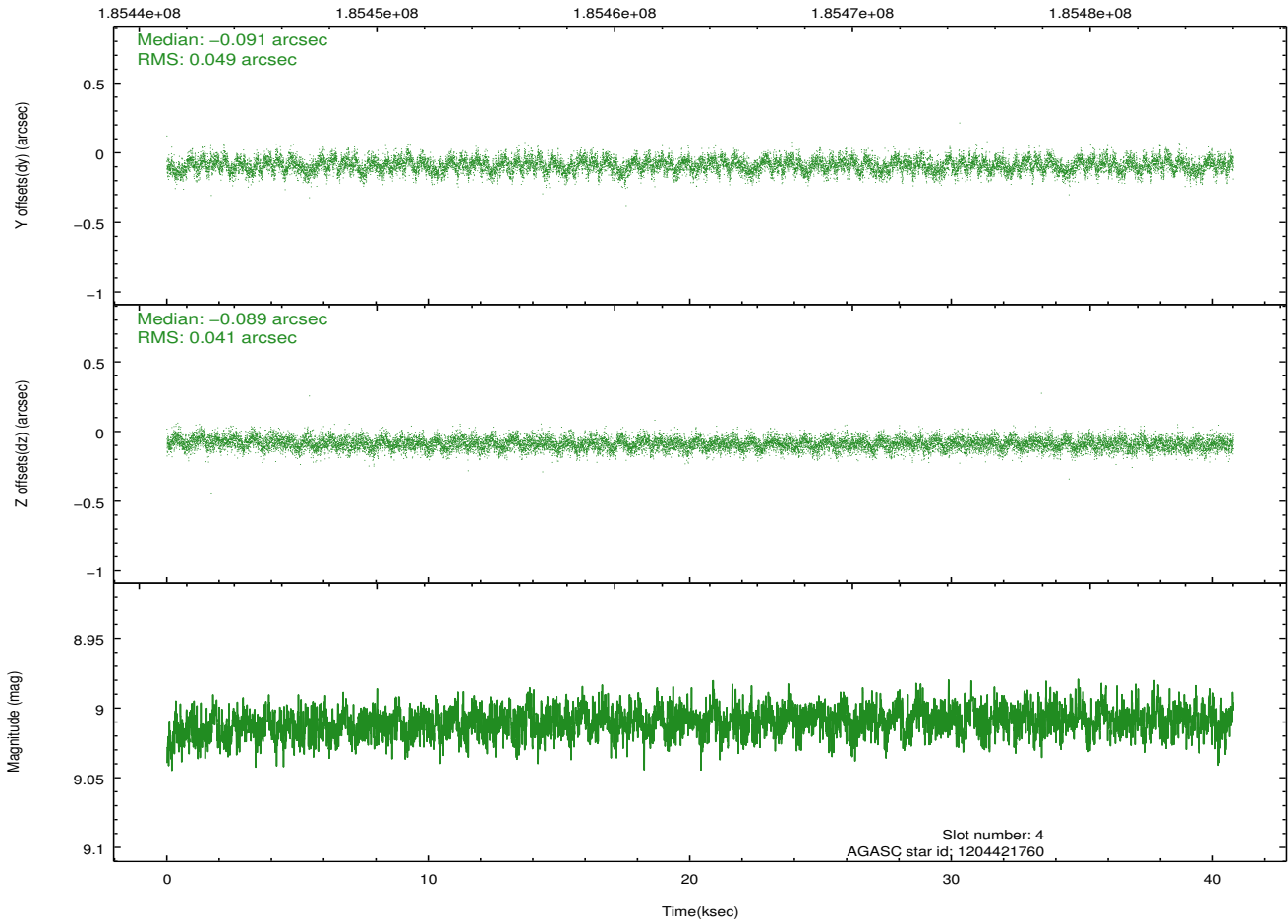
2.4.1 Slot 3



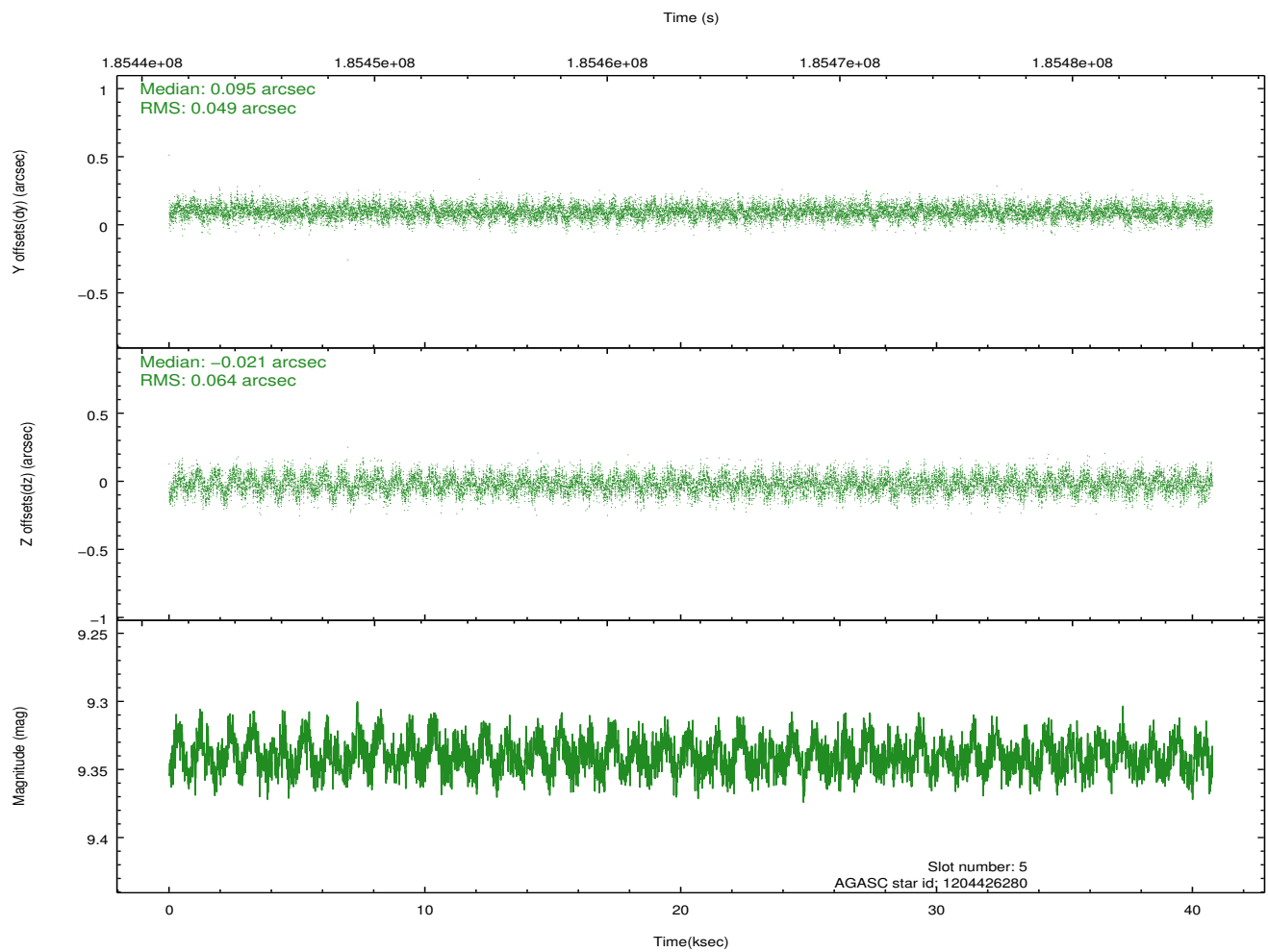
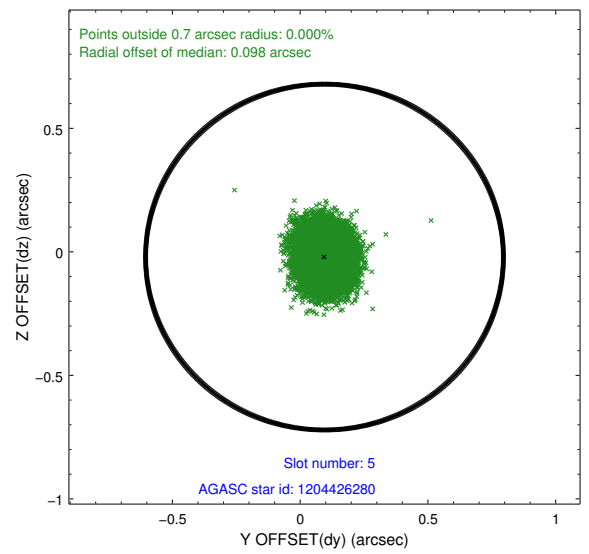
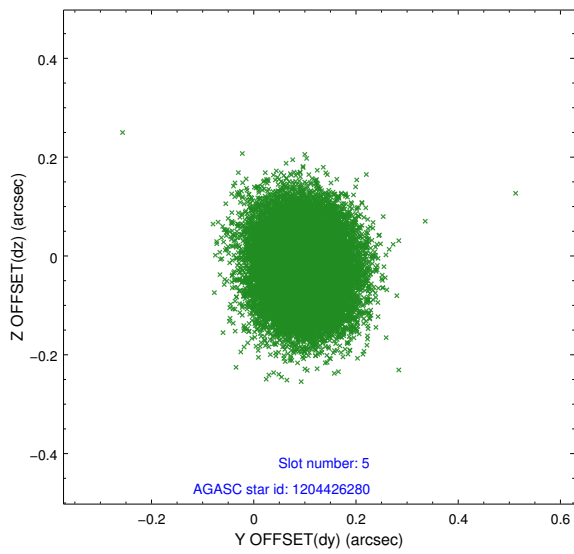
2.4.2 Slot 4



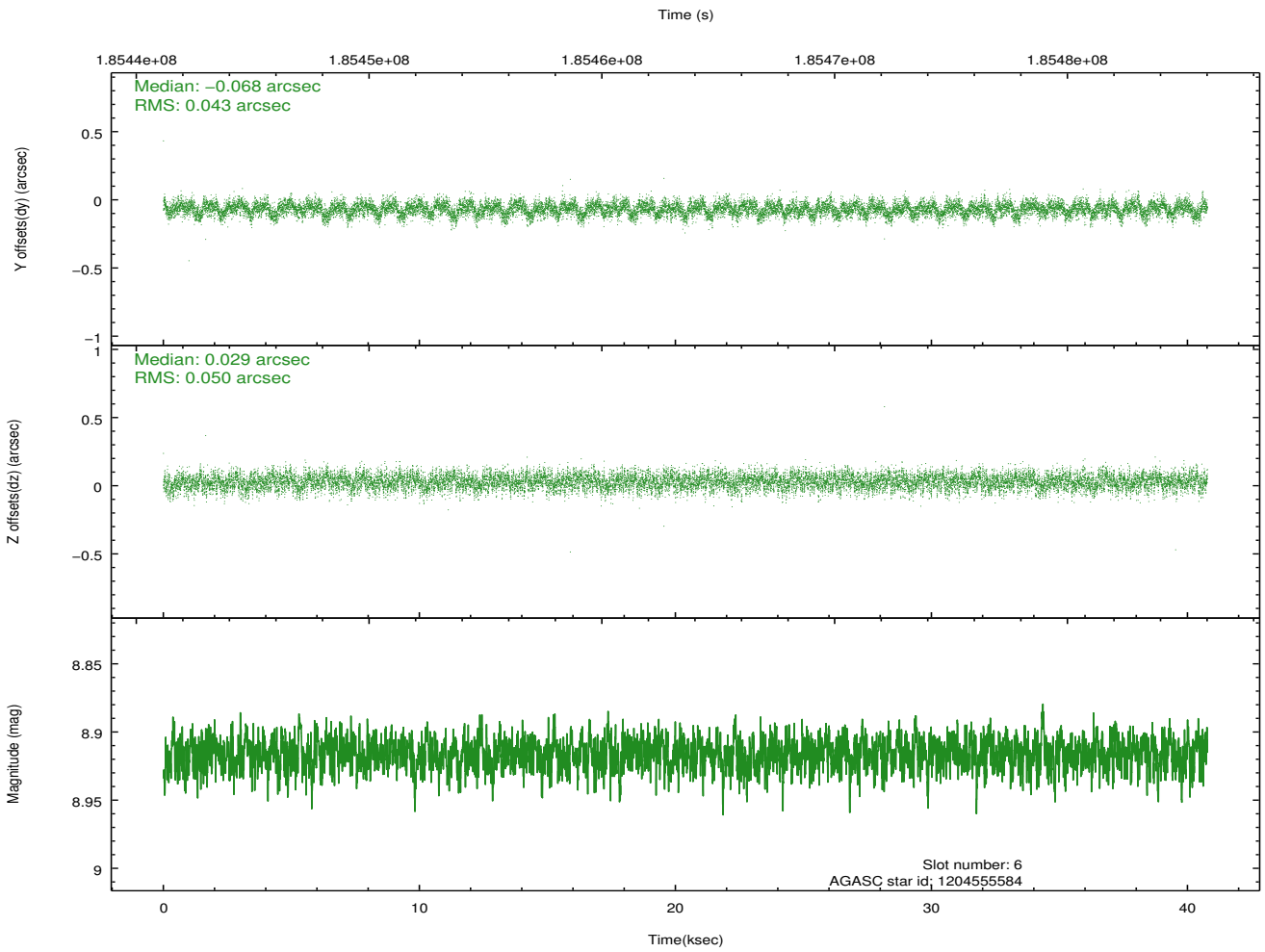
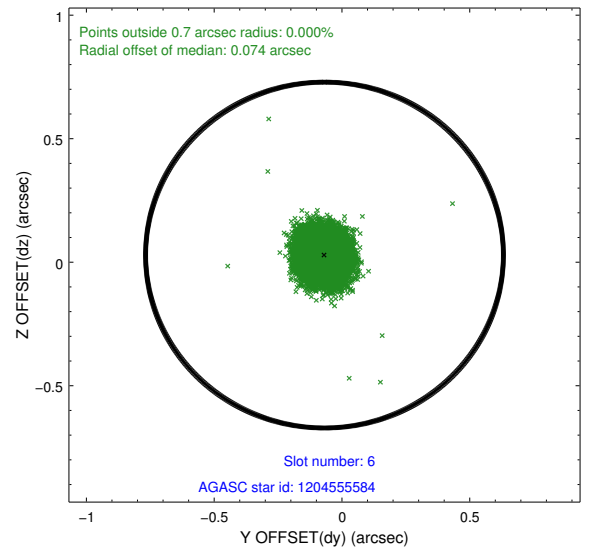
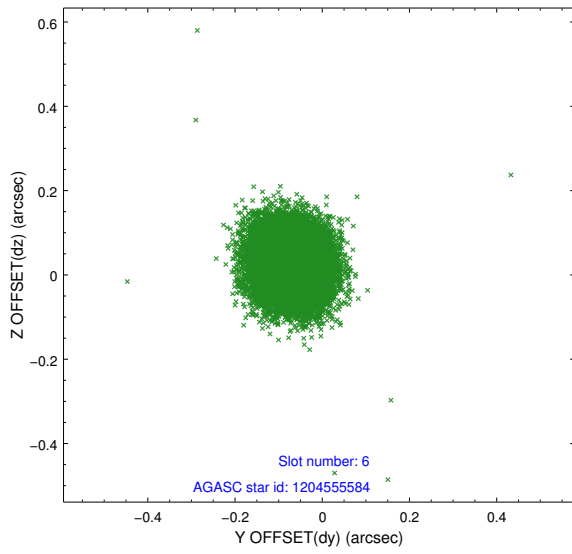
Time (s)



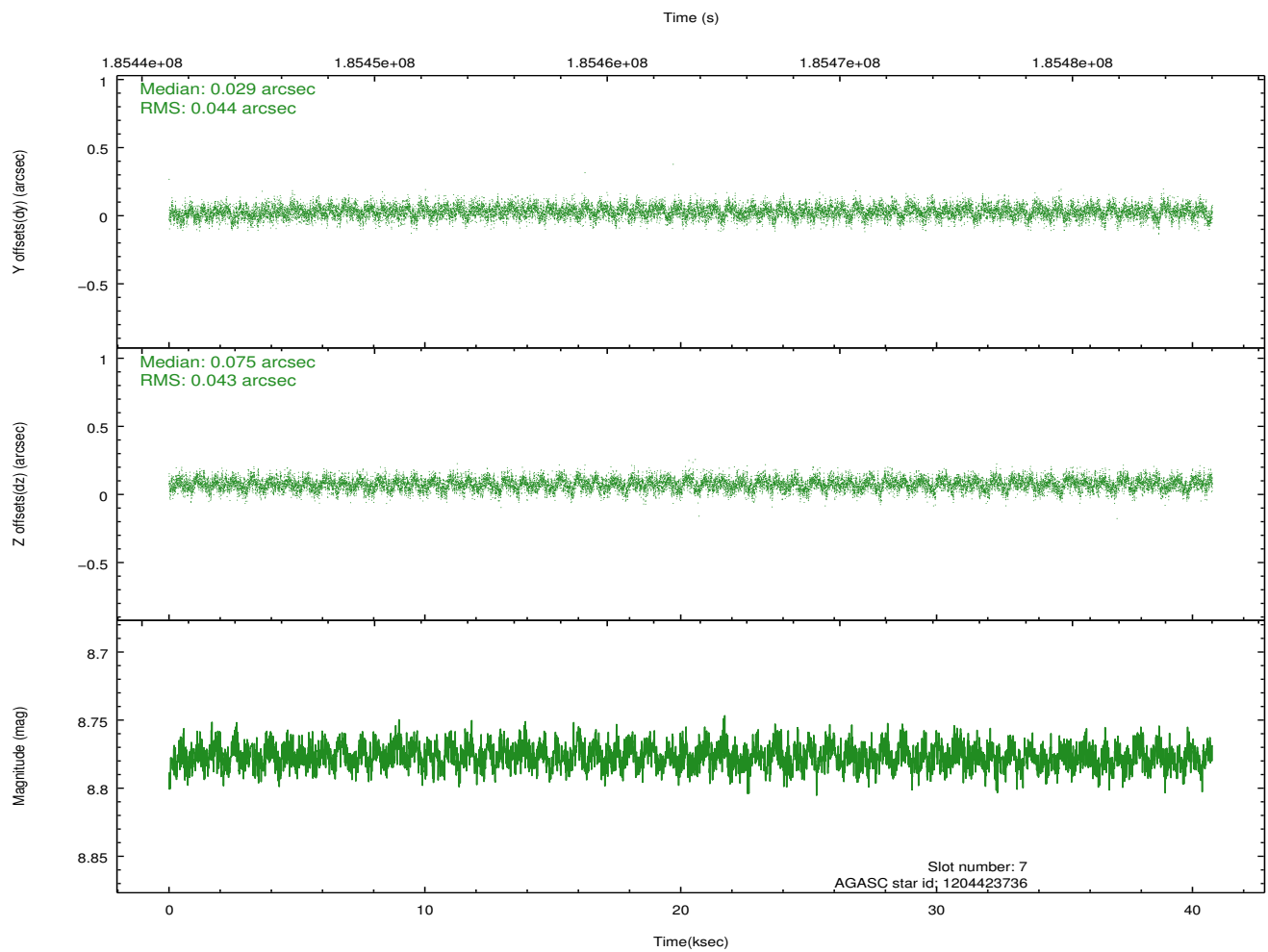
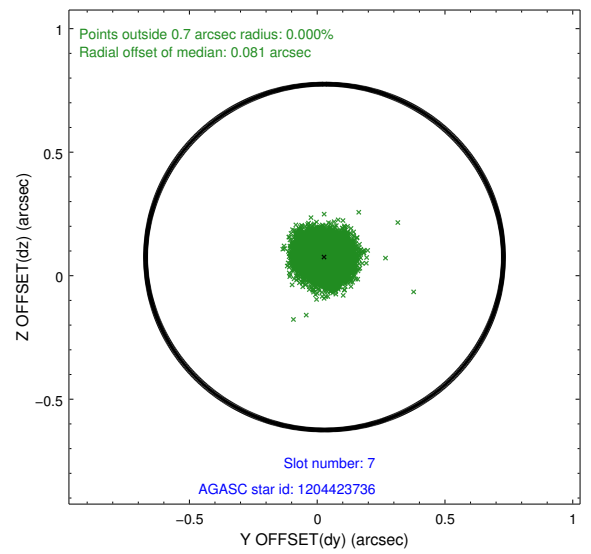
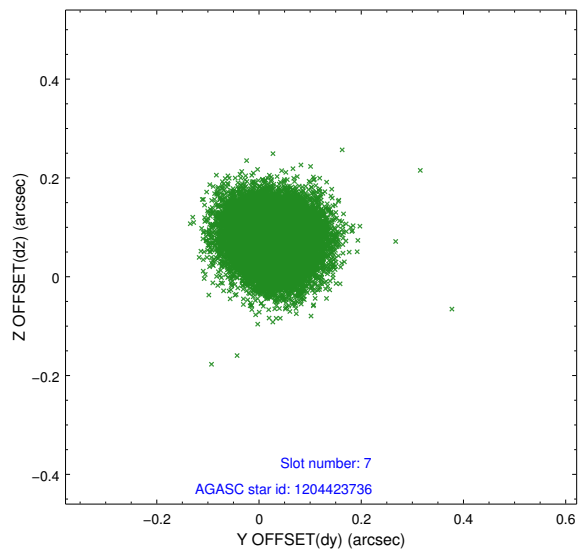
2.4.3 Slot 5



2.4.4 Slot 6

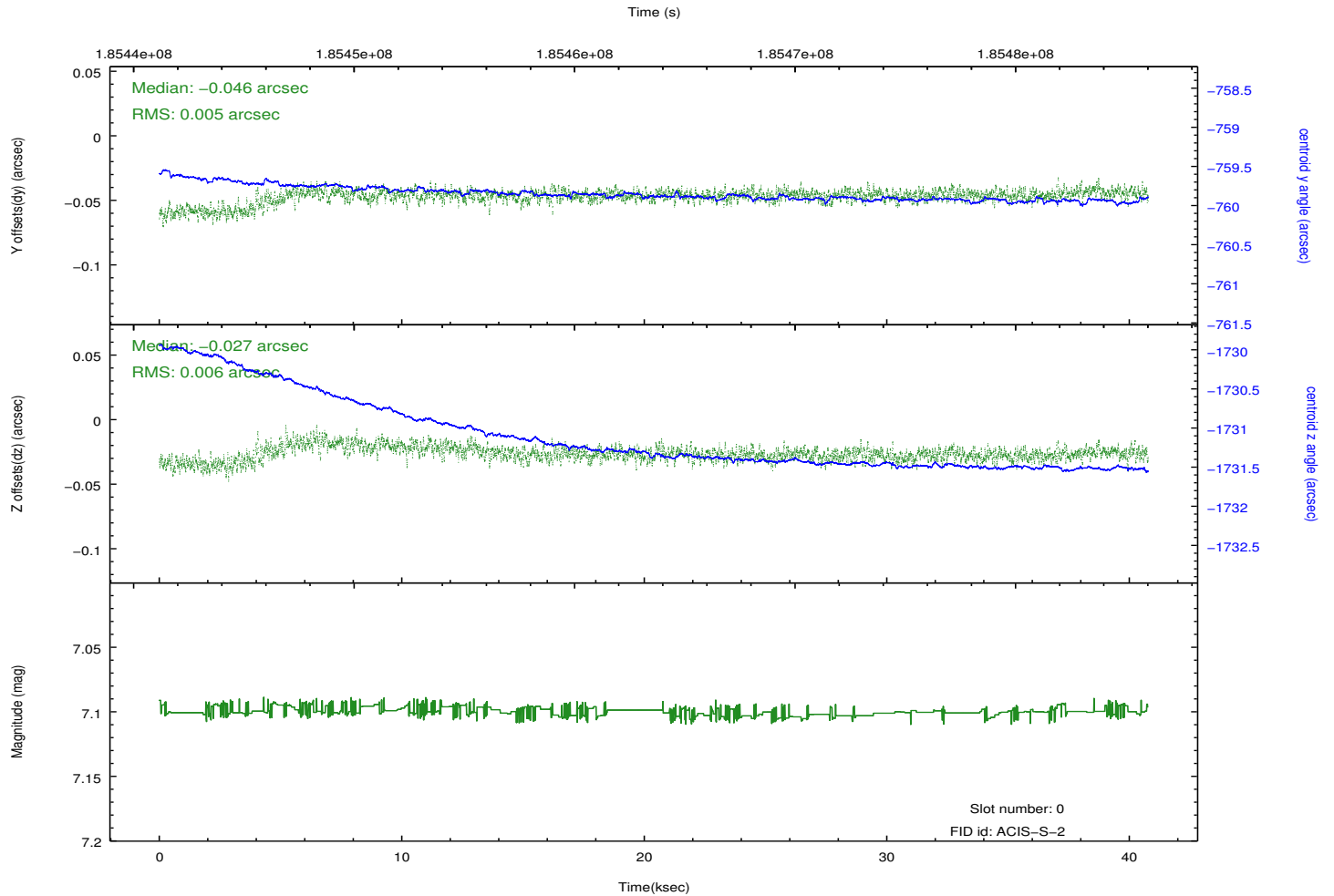
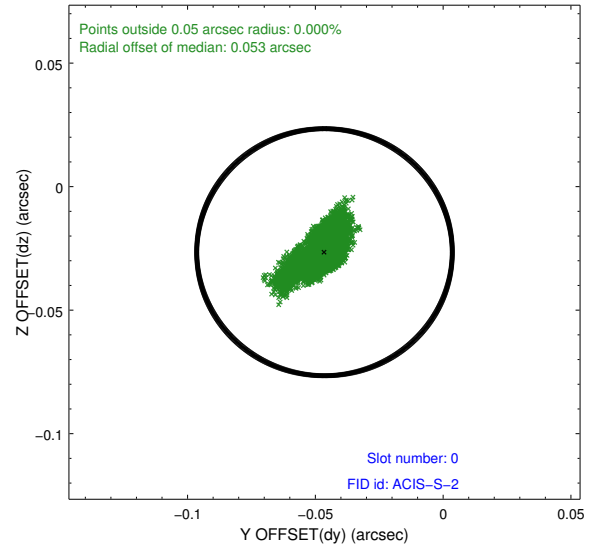
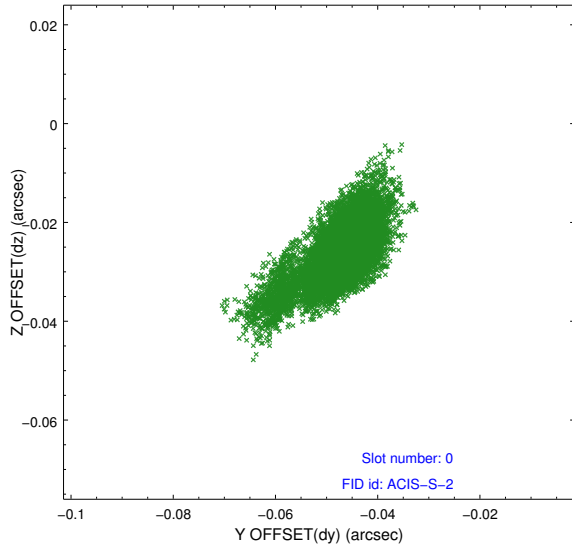


2.4.5 Slot 7

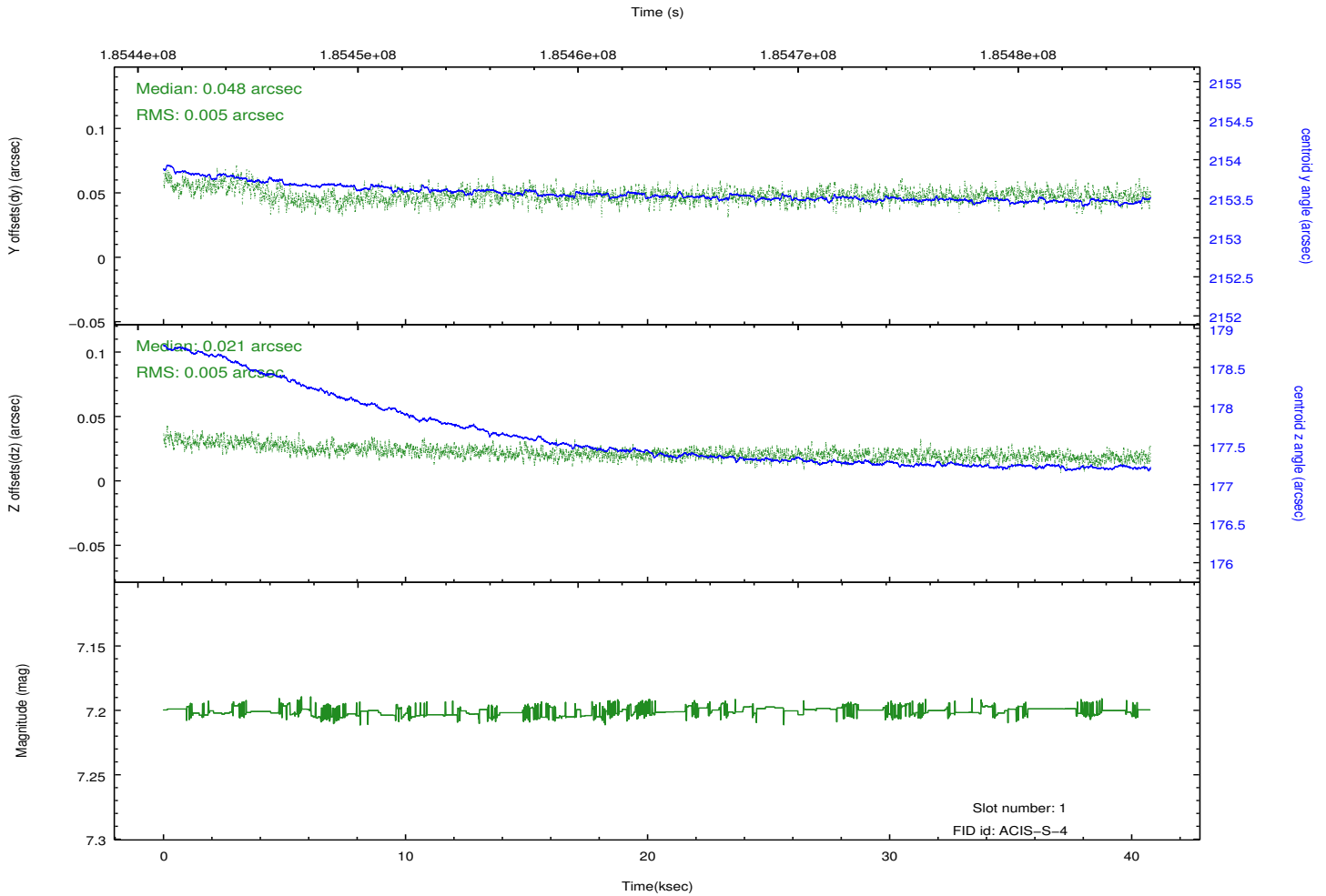
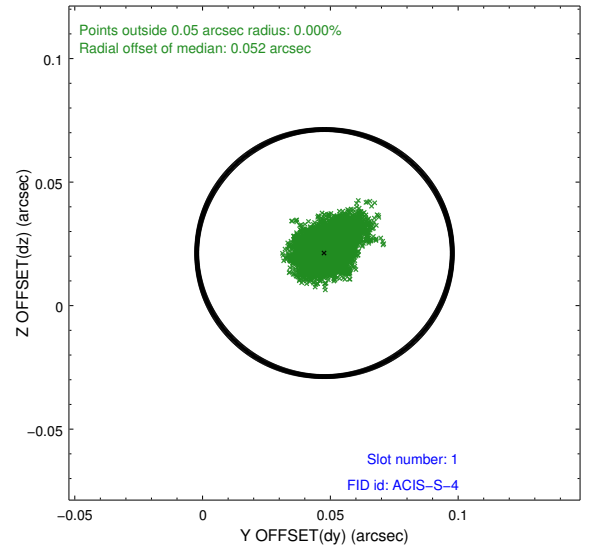
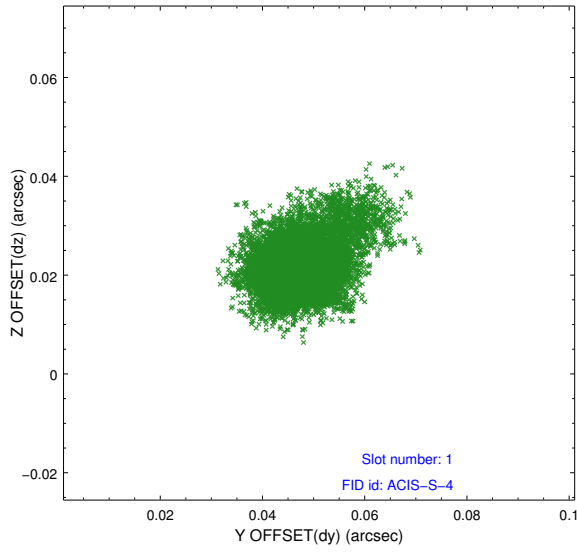


2.5 FID Slots

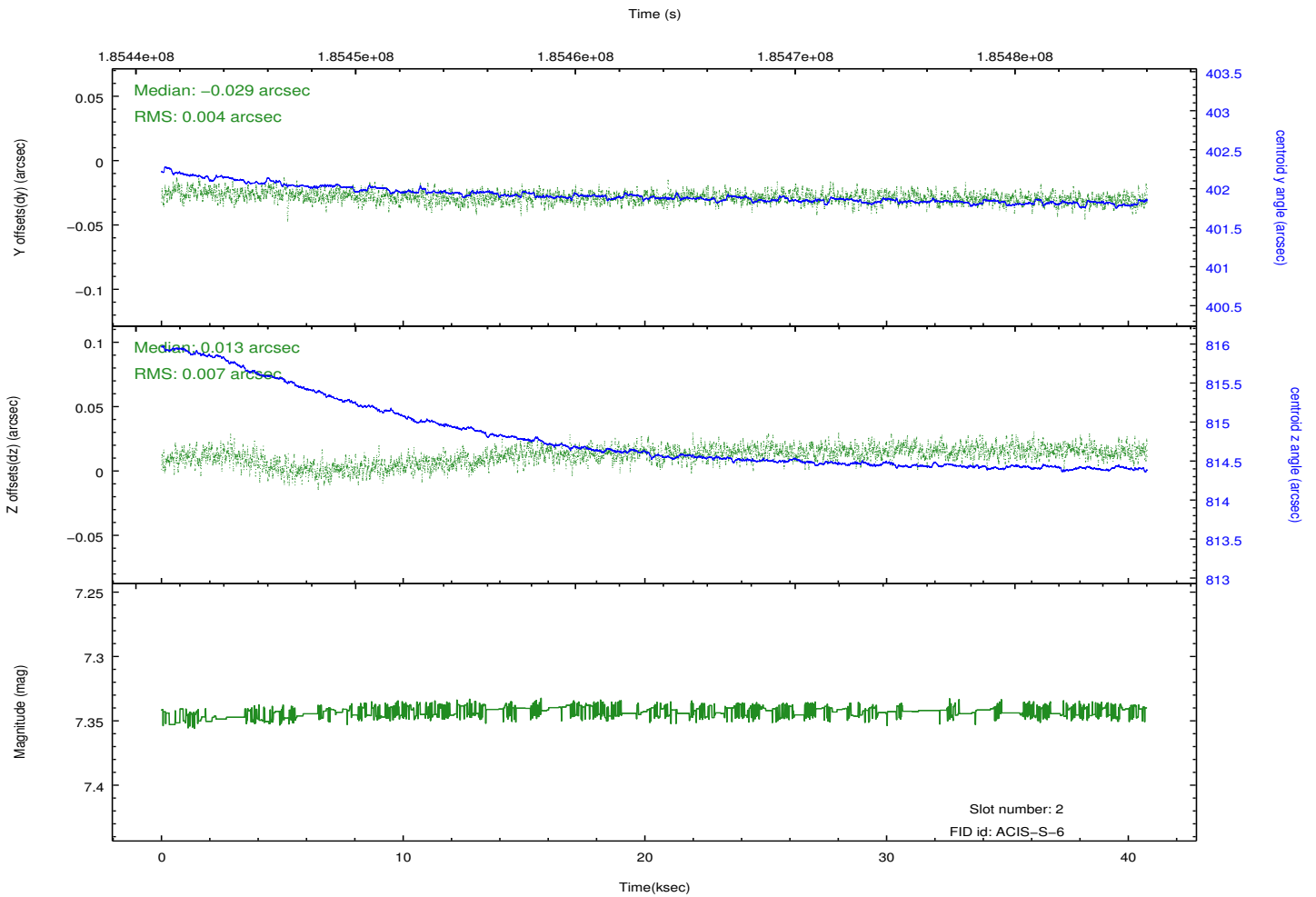
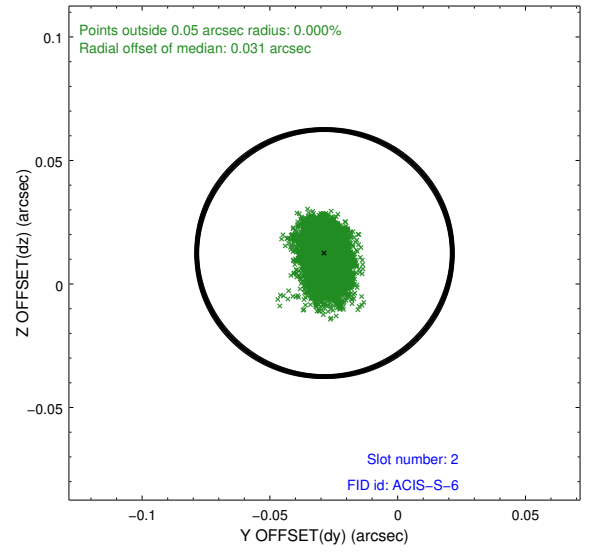
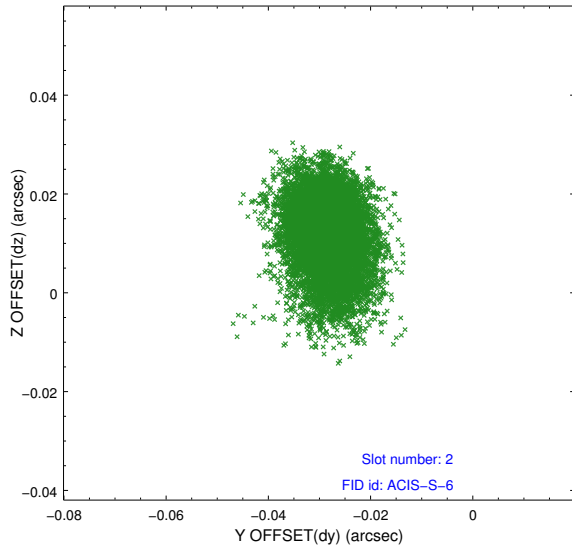
2.5.1 Slot 0



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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.967

A.2 Comments