

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7071 - L2 Version 2
Chandra X-Ray Center

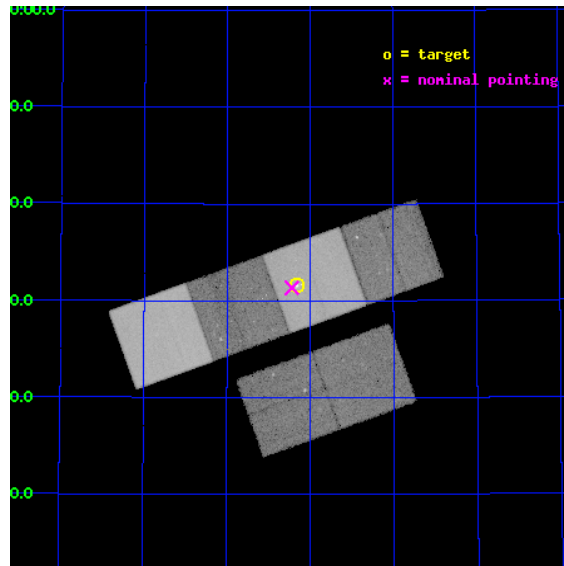
L2 Processing Date : Apr 8 2012

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1 Front

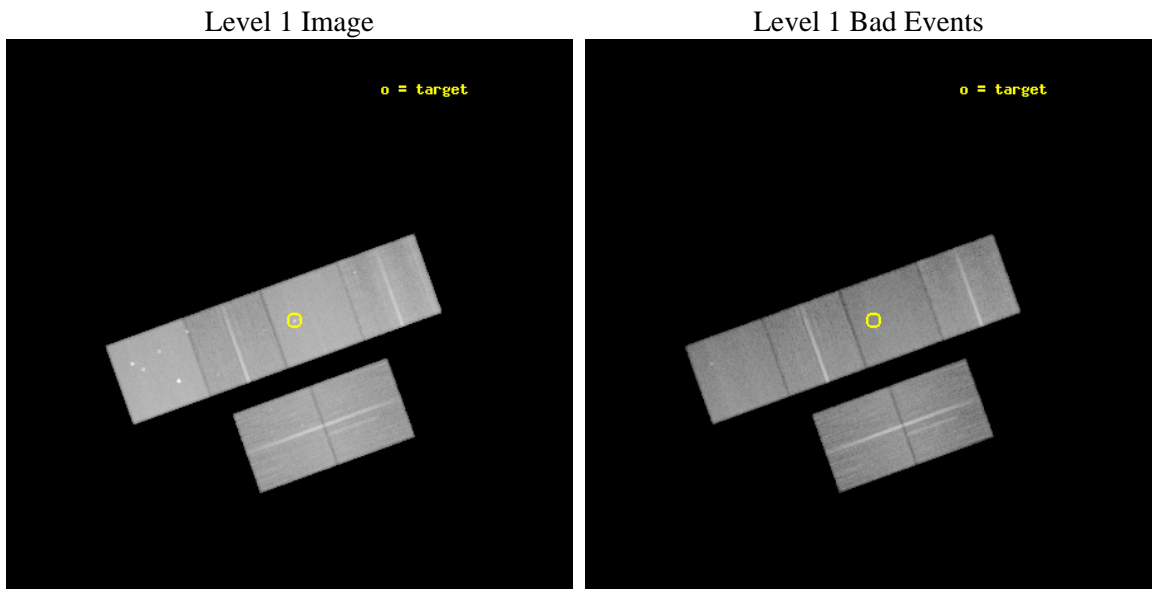
seq_num	600509	Sequence number
obs_id	7071	Observation id
title	X-Ray Sources in Starburst Galaxies	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	NGC 4194	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.540833	Observer's specified target RA [deg]
dec_targ	54.5275	Observer's specified target Dec [deg]
ra_nom	183.55529946279	Nominal RA [deg]
dec_nom	54.522678879396	Nominal Dec [deg]
roll_nom	340.18756994655	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35954.175981998	Sum of GTIs [s]
livetime	35498.902556709	Livetime [s]
ontime2	35954.217022002	Sum of GTIs [s]
ontime3	35954.052861989	Sum of GTIs [s]
ontime5	35954.134941995	Sum of GTIs [s]
ontime6	35954.093901992	Sum of GTIs [s]
ontime7	35954.175981998	Sum of GTIs [s]
ontime8	35954.011821985	Sum of GTIs [s]
l2events	528613	Number of level 2 events



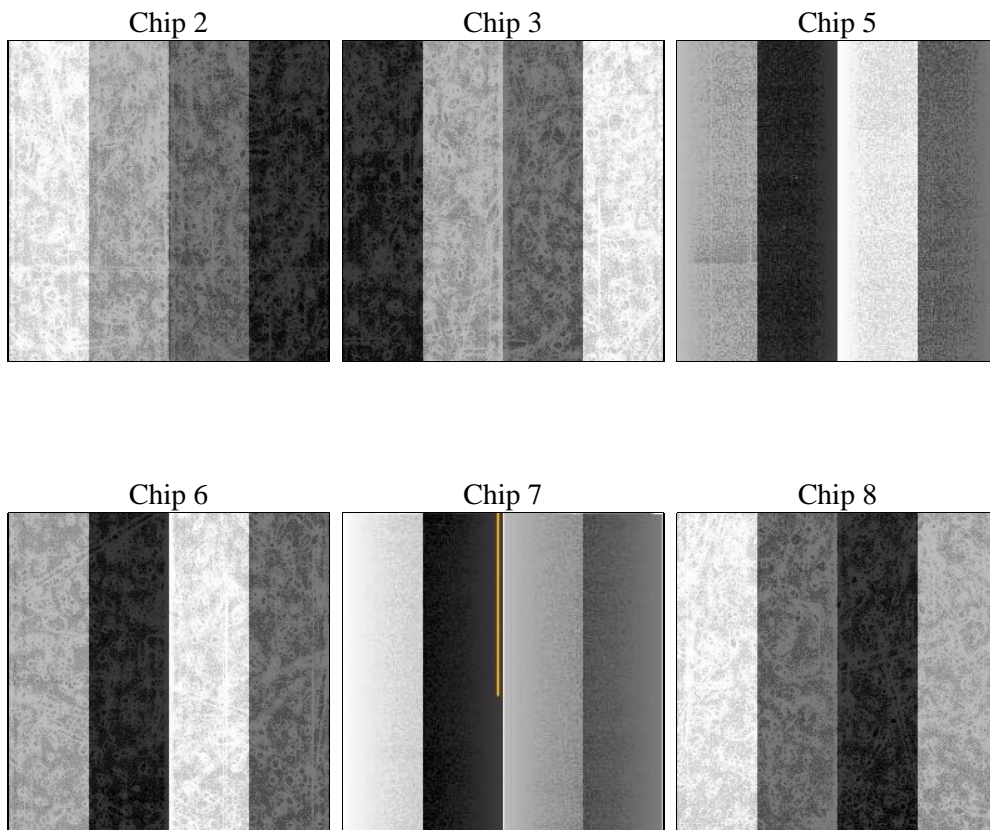
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	35954.175981998	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	35954.217022002	Sum of GTIs [s]
date	2012-04-08T20:44:42	Date and time of file creation	ontime3	35954.052861989	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	35954.134941995	Sum of GTIs [s]
			ontime6	35954.093901992	Sum of GTIs [s]
			ontime7	35954.175981998	Sum of GTIs [s]
			ontime8	35954.011821985	Sum of GTIs [s]
			l1events	2314261	Number of level 1 events

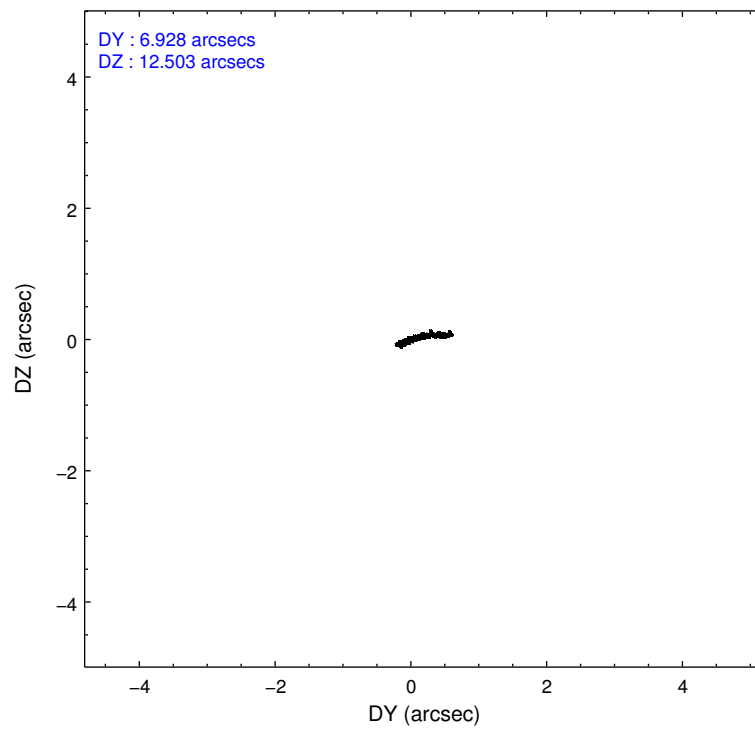
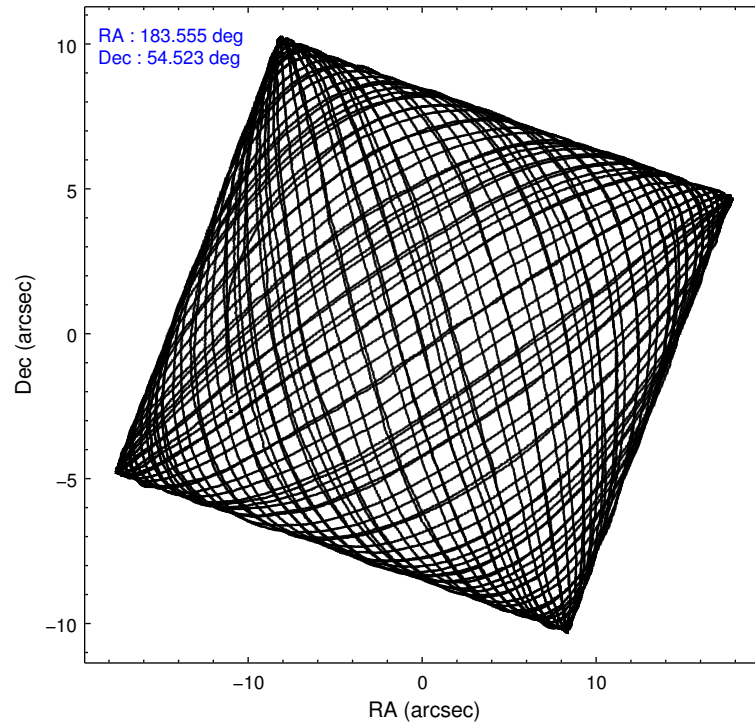
2.1.4 Events

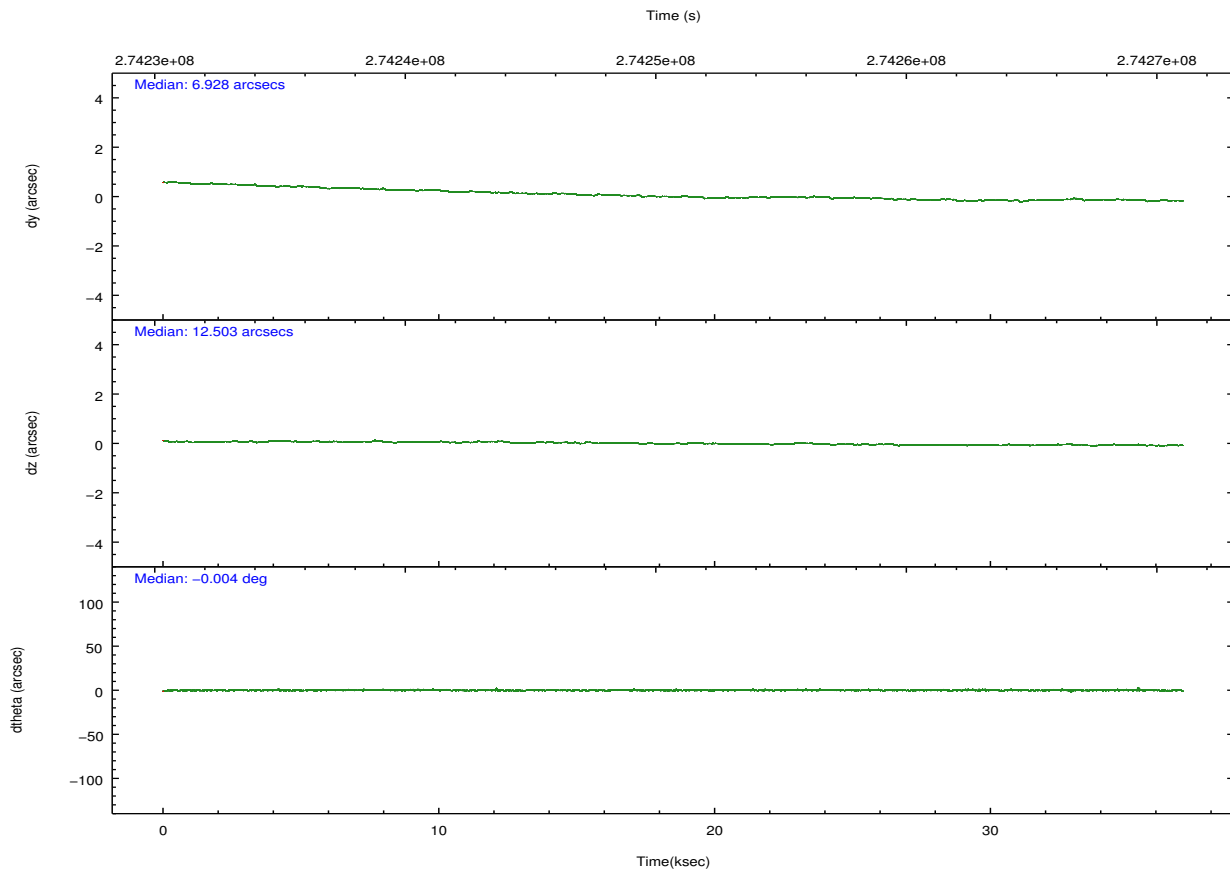
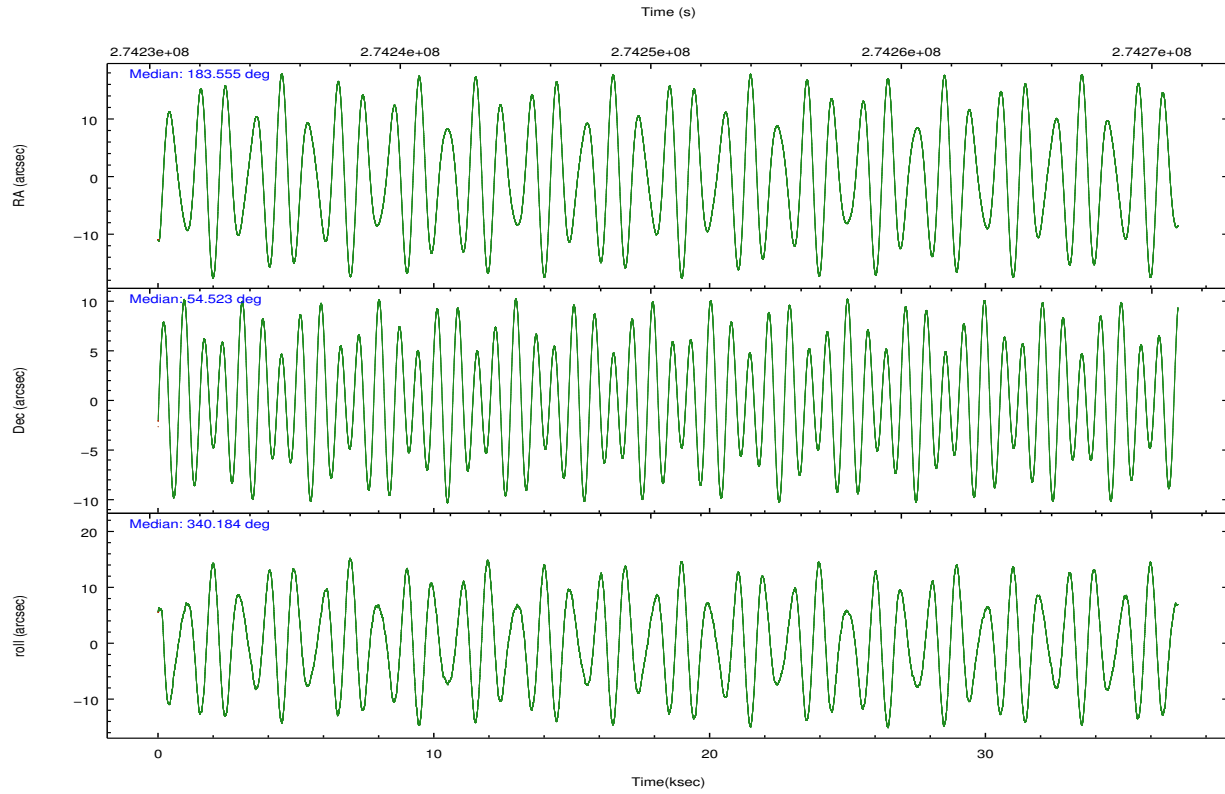
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	331964	313990	494820	325647	438618	409222	grade 0 events	17391	16175	27816	15341	16519	28256
rejected events	293403	276804	263097	287119	254792	318999		5%	5%	5%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	77%	grade 1 events	239	211	679	166	450	315
								0%	0%	0%	0%	0%	0%
							grade 2 events	7929	7292	68044	8078	37087	20134
								2%	2%	13%	2%	8%	4%
							grade 3 events	3476	3602	8842	3699	15831	9371
								1%	1%	1%	1%	3%	2%
							grade 4 events	3523	3662	8184	3660	15843	8889
								1%	1%	1%	1%	3%	2%
							grade 5 events	12618	14602	35218	14991	41005	19534
								3%	4%	7%	4%	9%	4%
							grade 6 events	6242	6459	118854	7751	98559	23581
								1%	2%	24%	2%	22%	5%
							grade 7 events	280546	261987	227183	271961	213324	299142
								84%	83%	45%	83%	48%	73%

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	183.509229	183.5552994627856	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.517487	54.52267887939604	Alternating exposures requested	N	N
[deg] Pointing Roll	340.068459	340.1875699465533	[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)	274233172.184000	274231818.16923			
Observation start date	2006-09-09T23:51:47	2006-09-09T23:30:18			
[s] Observation end time (MET)	274269172.184000	274269601.72101			
Observation end date	2006-09-10T09:51:47	2006-09-10T10:00:01			
Read mode	TIMED	TIMED			

2.3 Aspect



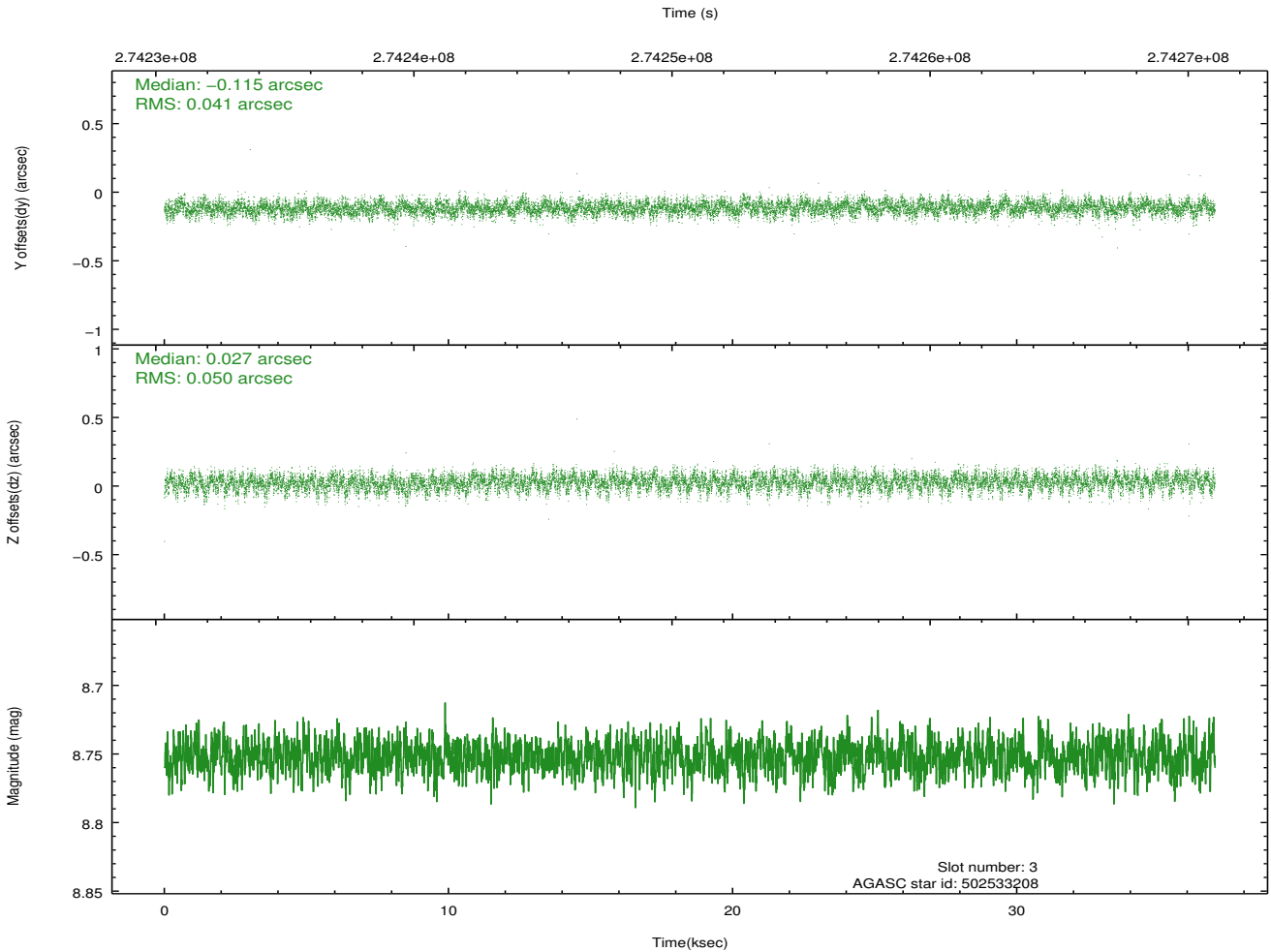
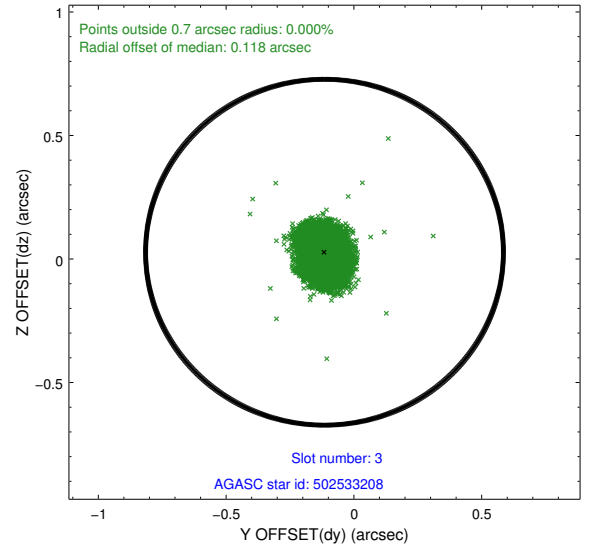
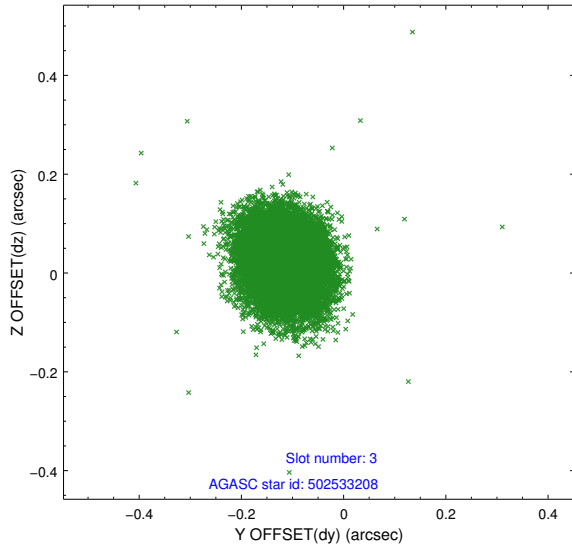


Slot Statistics

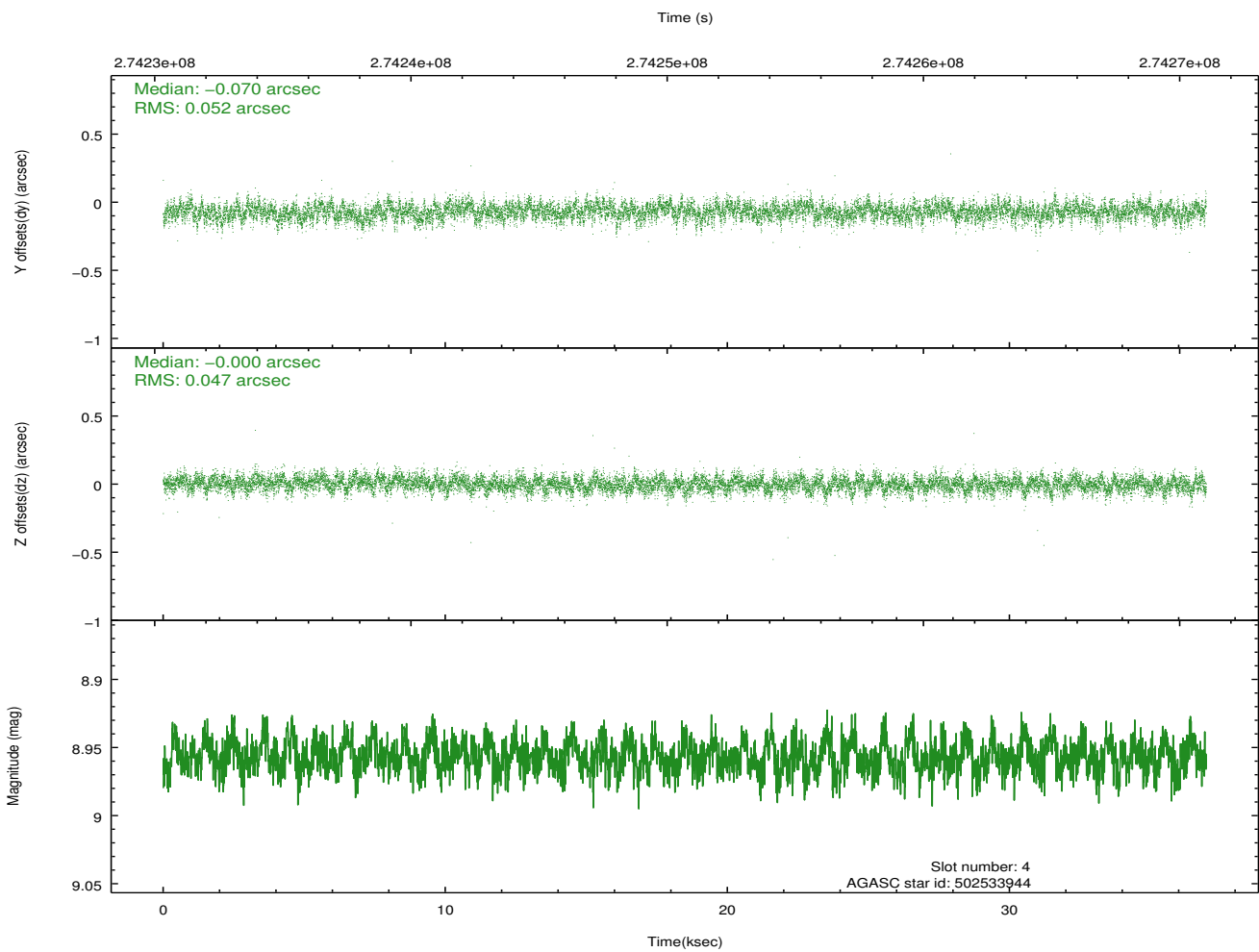
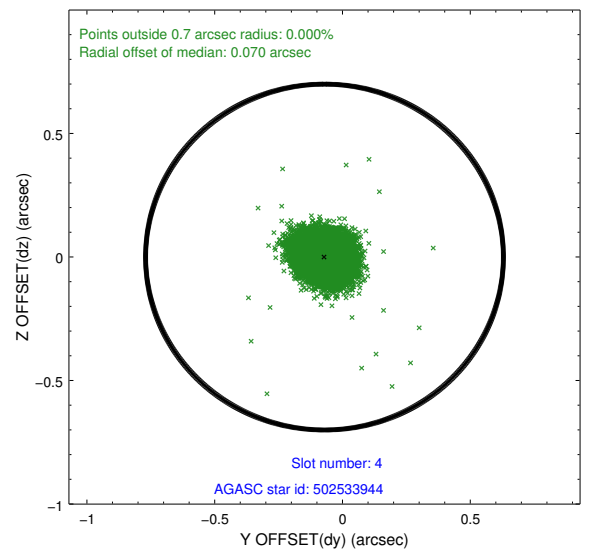
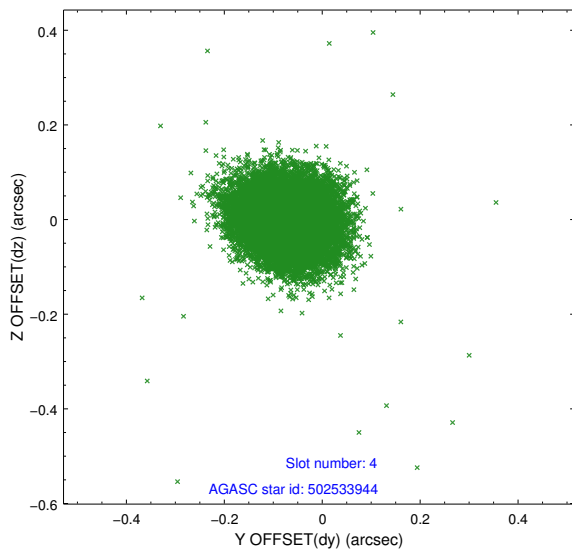
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9019	-0.026	-0.041	0.011	0.020	0.000000	0.000000	-759.80	-1733.80
1	FID	ACIS-S-4	7.20	9019	0.080	0.024	0.009	0.018	0.000000	0.000000	2153.58	174.69
2	FID	ACIS-S-5	7.23	9019	-0.086	0.027	0.010	0.018	0.000000	0.000000	-1812.65	168.43
3	GUIDE	502533208	8.75	18027	-0.115	0.027	0.068	0.111	184.085536	54.813345	759.39	1413.34
4	GUIDE	502533944	8.96	18026	-0.070	-0.000	0.073	0.119	183.943142	53.853399	1680.49	-1930.60
5	GUIDE	502535160	7.88	18034	-0.088	-0.107	0.054	0.088	184.663258	54.613676	2137.06	1164.17
6	GUIDE	502536544	8.67	18029	0.149	0.106	0.065	0.106	182.566145	54.488139	-1821.37	-759.15
7	GUIDE	502537728	7.96	18027	0.125	-0.024	0.063	0.098	182.778005	54.358912	-1249.78	-1052.37

2.4 Star Slots

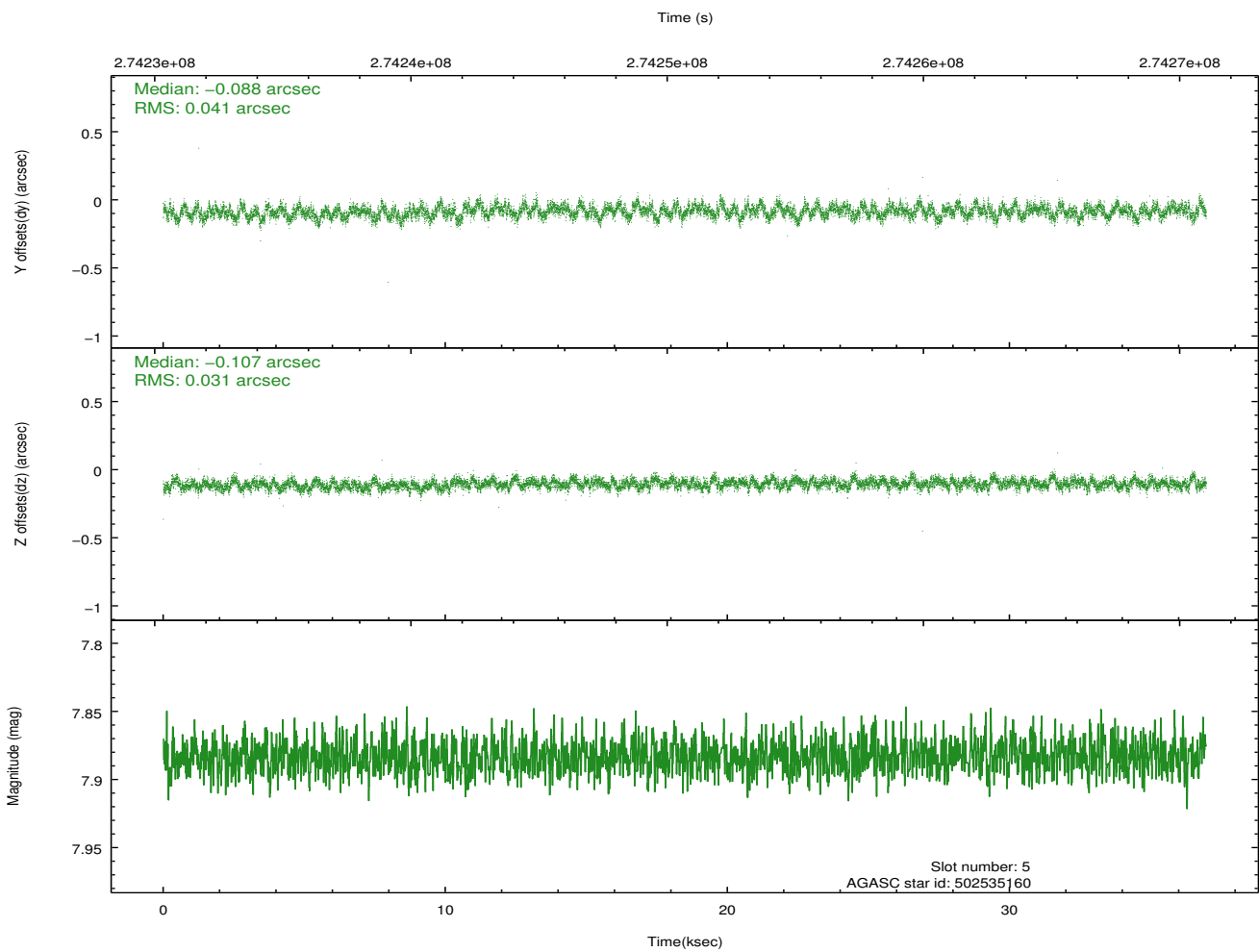
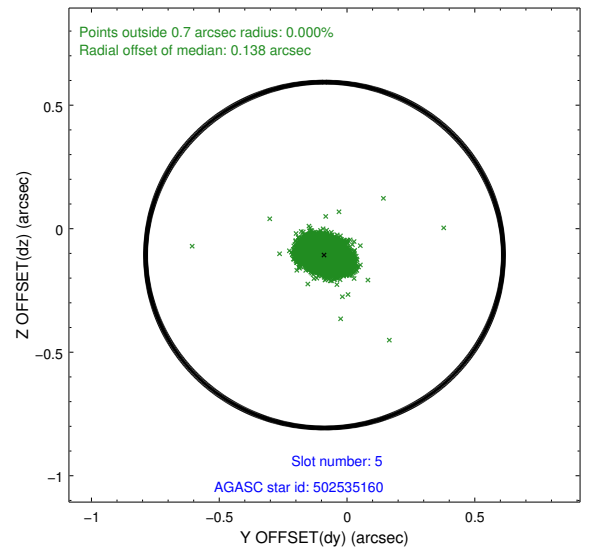
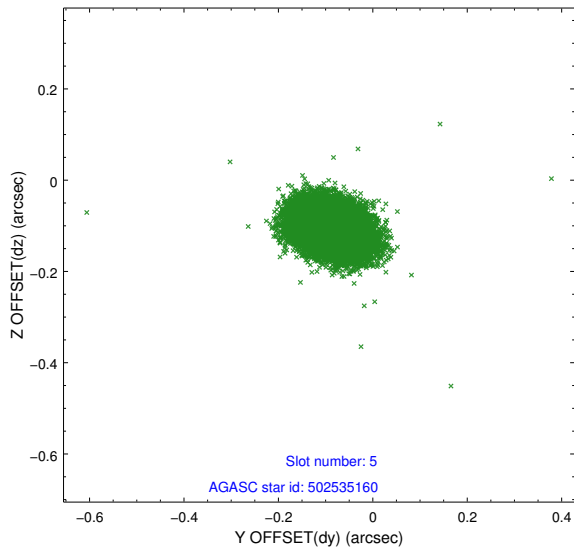
2.4.1 Slot 3



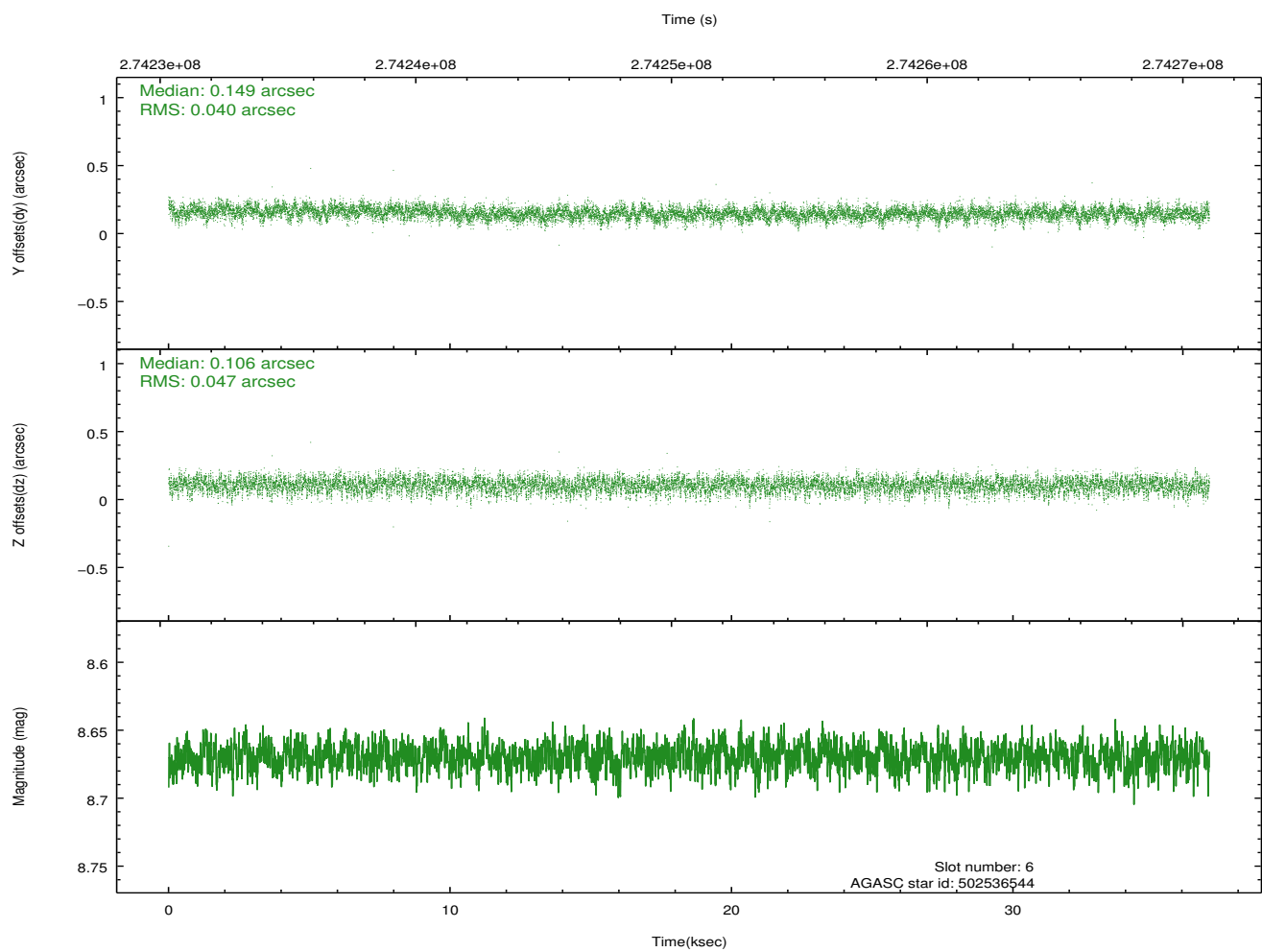
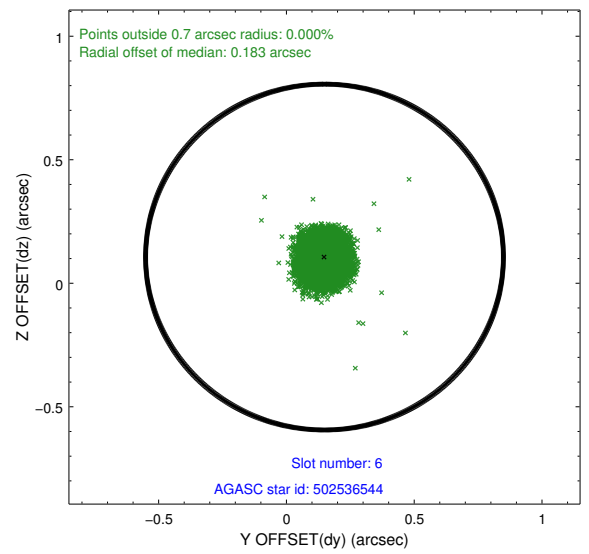
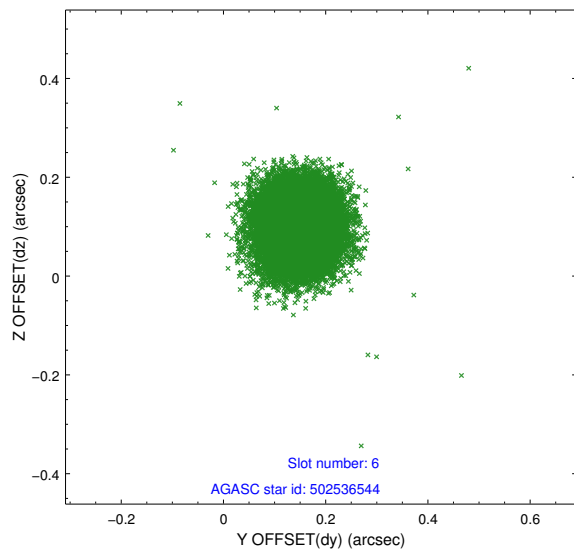
2.4.2 Slot 4



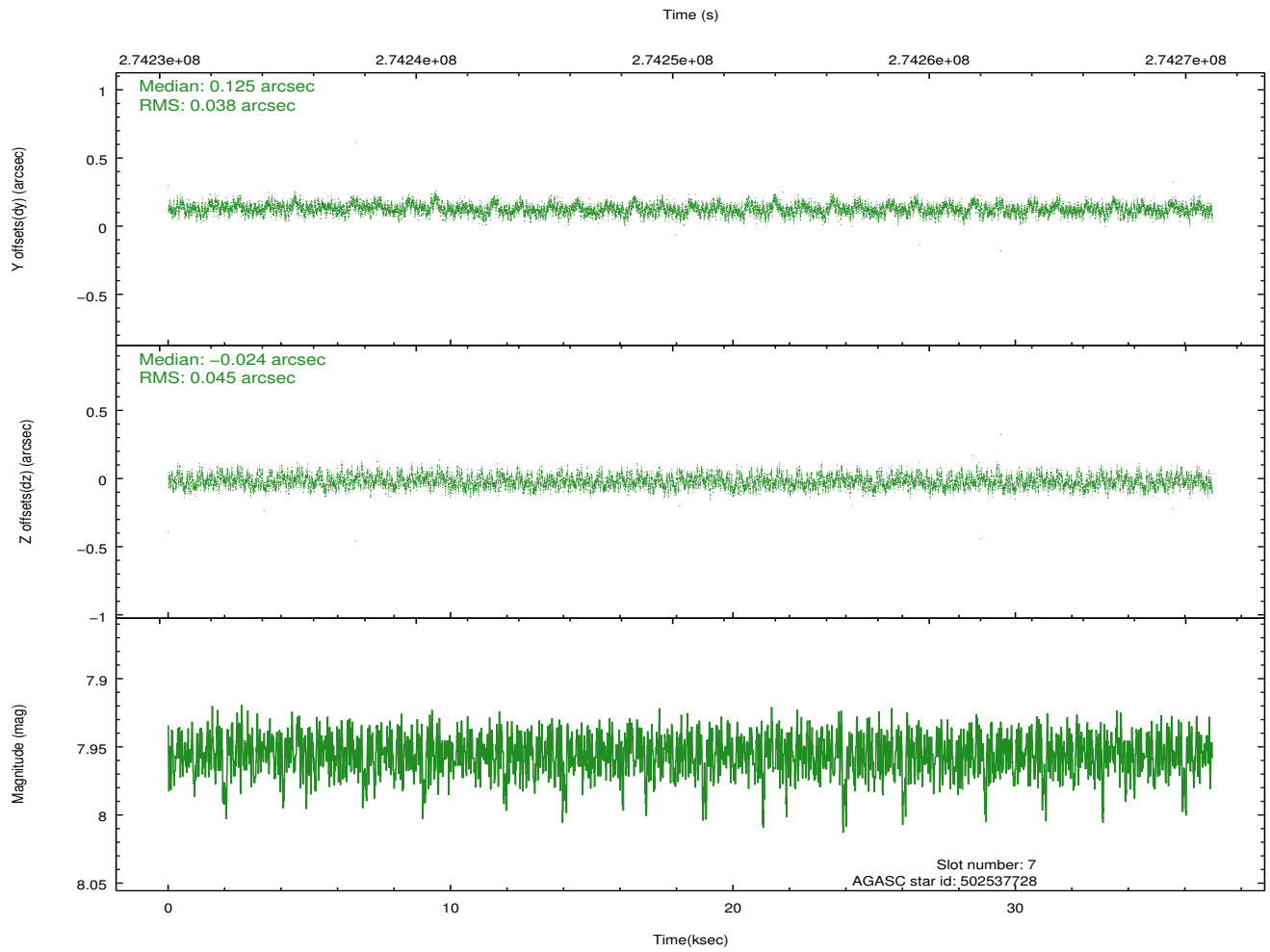
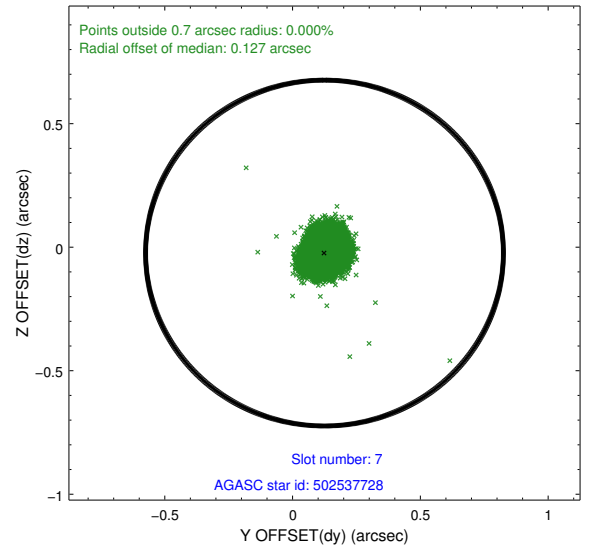
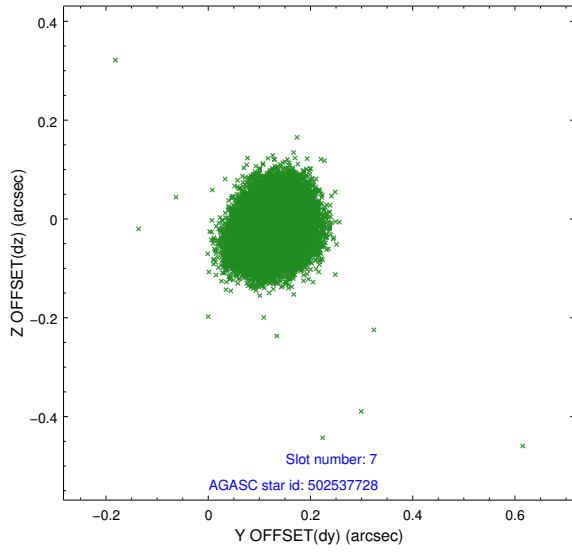
2.4.3 Slot 5



2.4.4 Slot 6

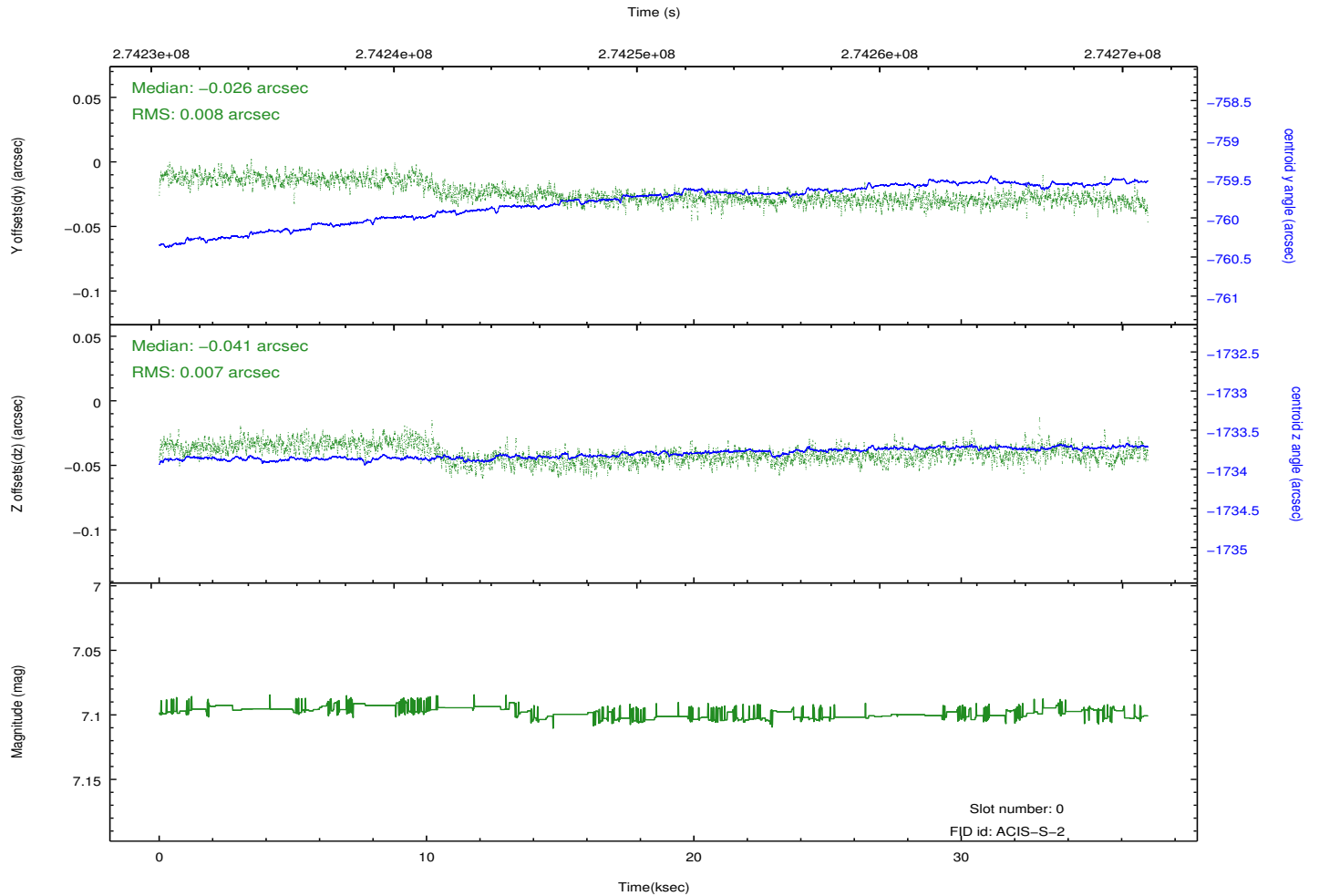
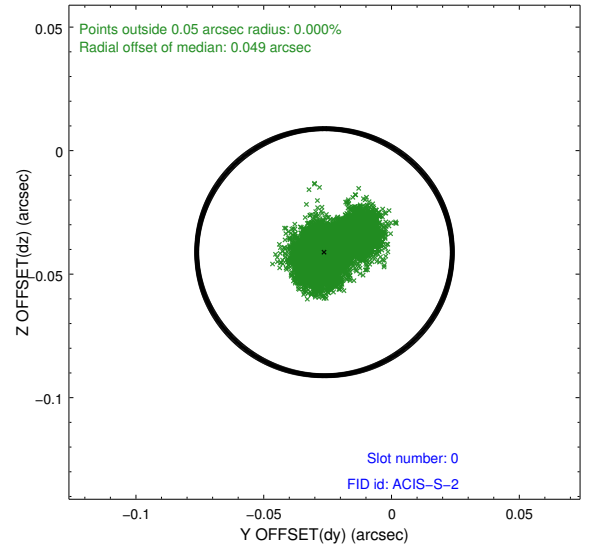
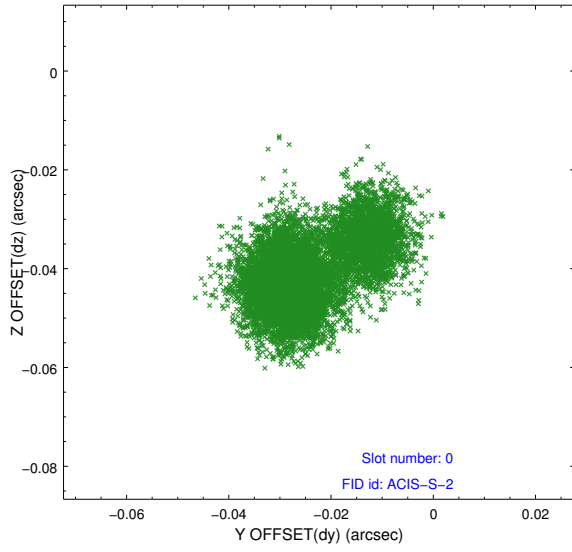


2.4.5 Slot 7

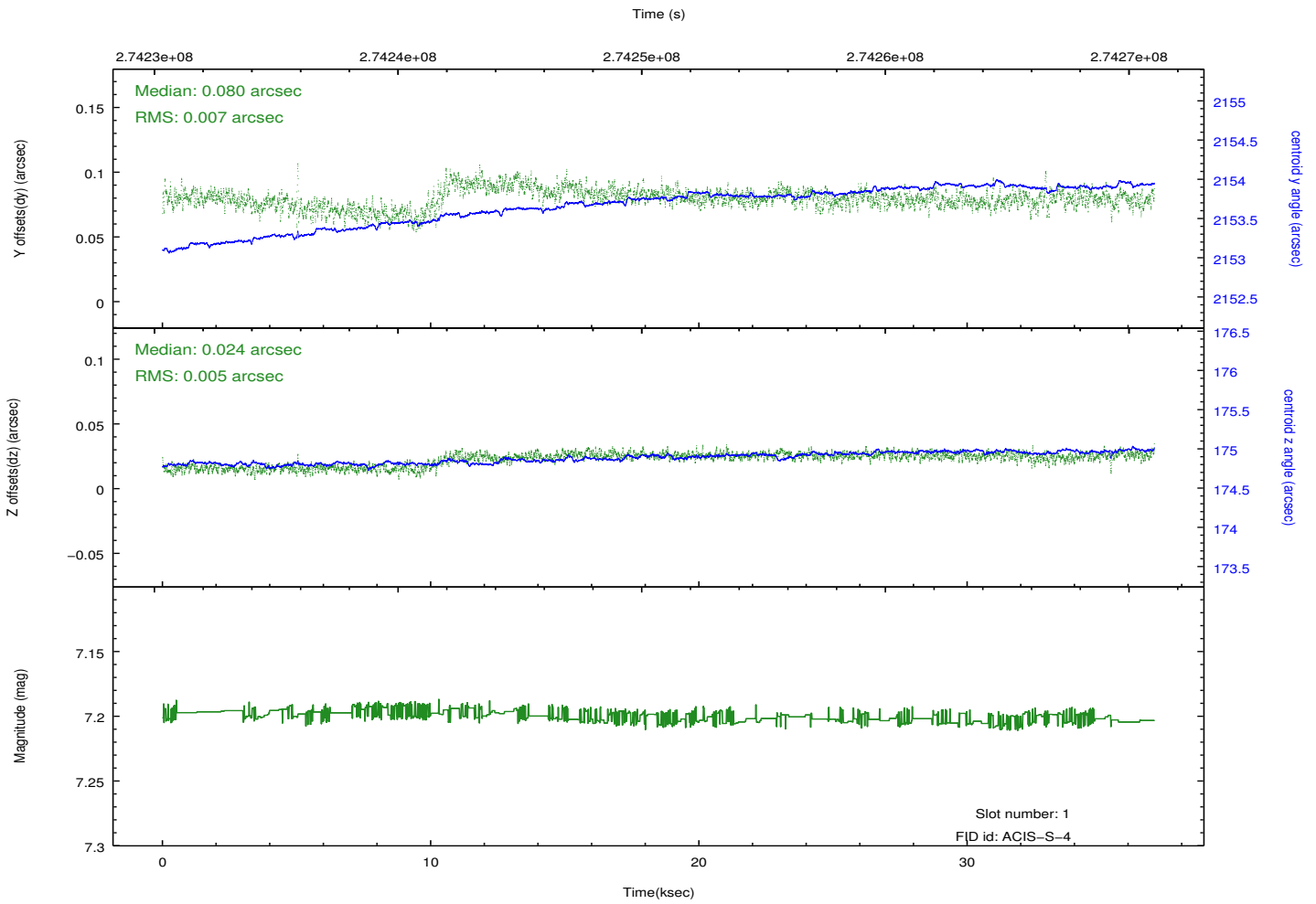
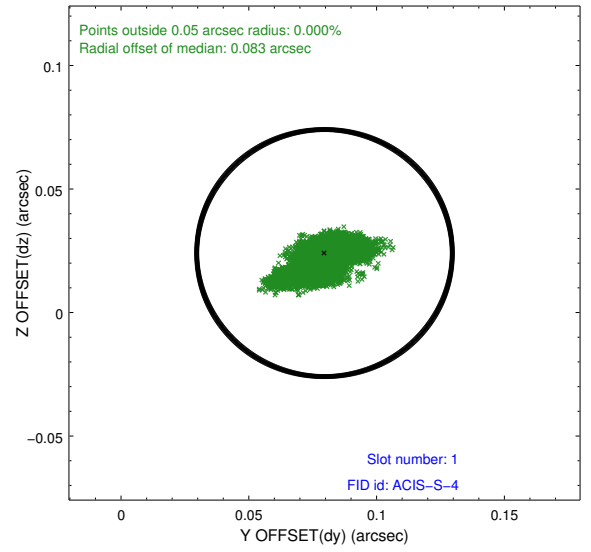
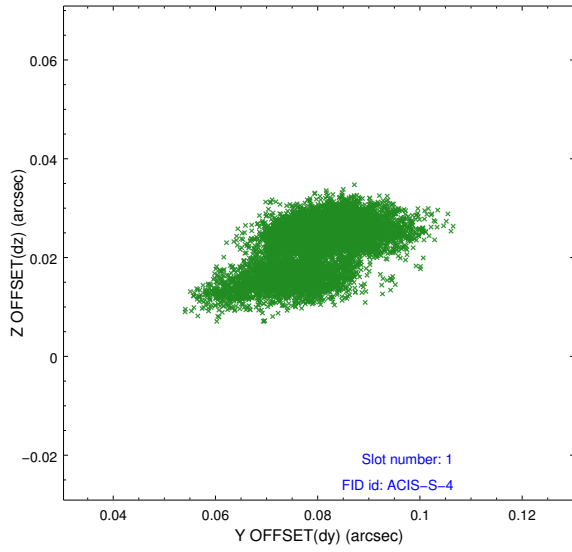


2.5 FID Slots

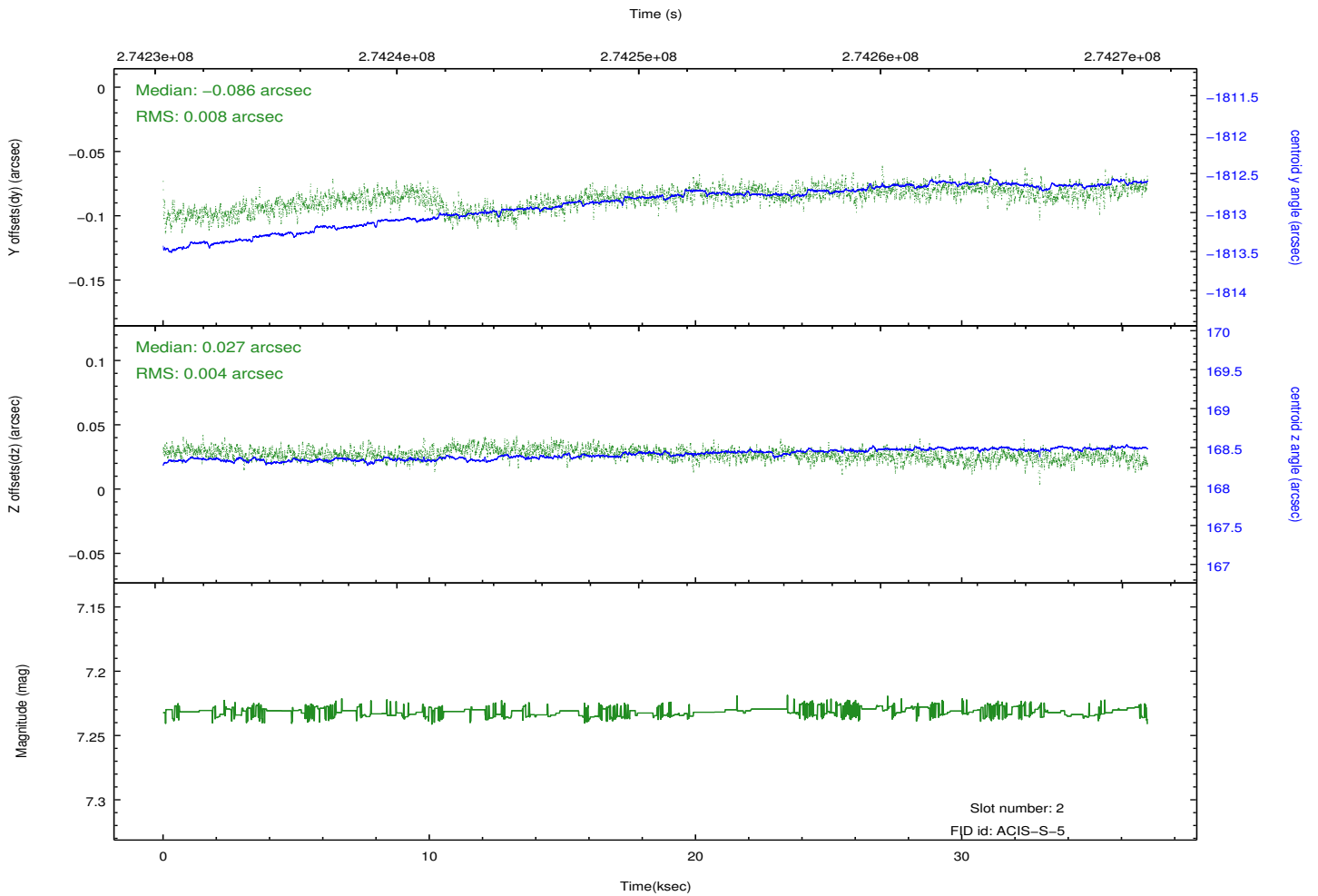
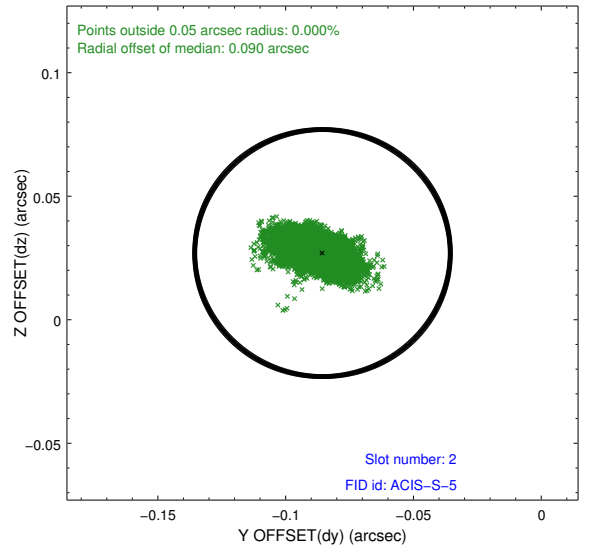
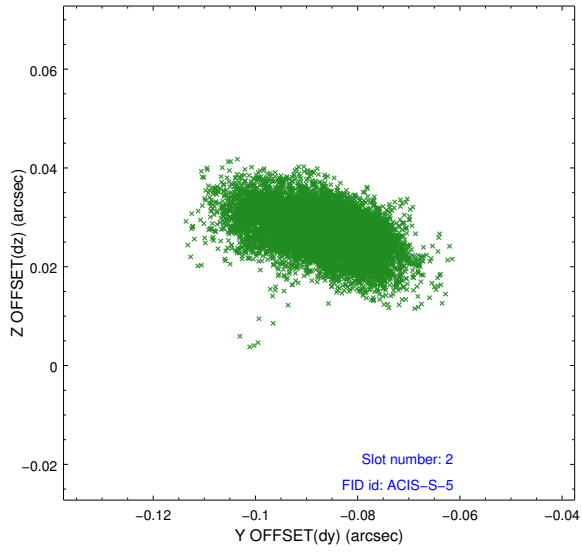
2.5.1 Slot 0



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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.9551998

A.2 Comments

Joint proposal with HST.