

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6943 - L2 Version 2
Chandra X-Ray Center

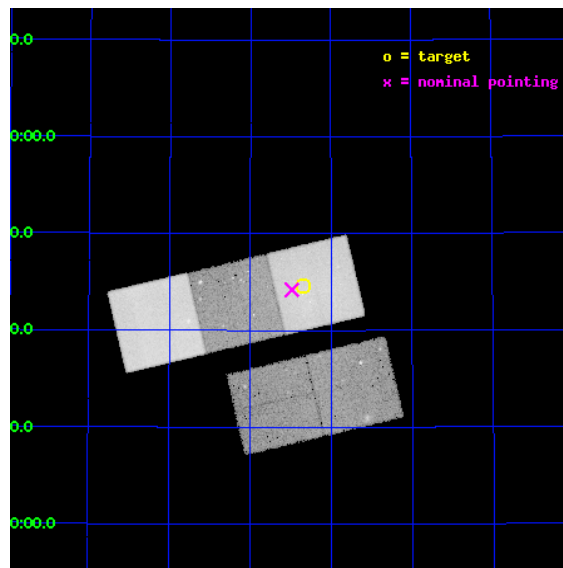
L2 Processing Date : Apr 8 2012

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1 Front

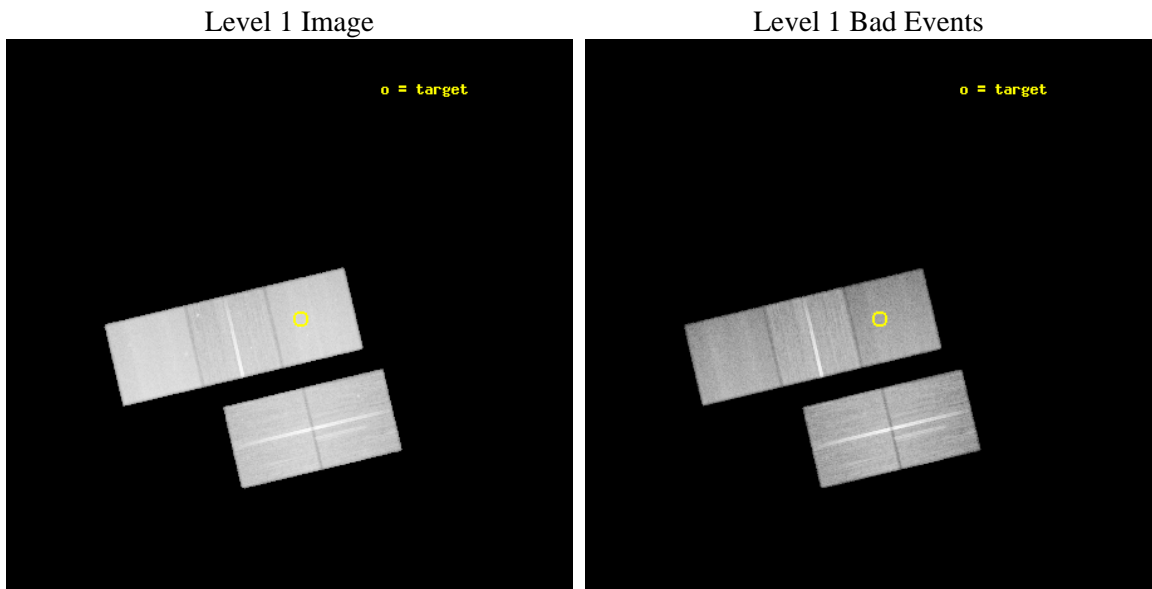
seq_num	800576	Sequence number
obs_id	6943	Observation id
title	The Cosmological Formation of Galaxy Groups	Proposal title
observer	Dr. DAVID BUOTE	Principal investigator
object	RXC J1147.3+5544	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.83625	Observer's specified target RA [deg]
dec_targ	55.743333	Observer's specified target Dec [deg]
ra_nom	176.87132213919	Nominal RA [deg]
dec_nom	55.736878532049	Nominal Dec [deg]
roll_nom	346.6725158943	Nominal Roll [deg]
revision	2	Processing version of data
ontime	44119.200339317	Sum of GTIs [s]
livetime	43542.750506801	Livetime [s]
ontime2	44106.636398315	Sum of GTIs [s]
ontime3	44119.200339317	Sum of GTIs [s]
ontime5	44119.200339317	Sum of GTIs [s]
ontime6	44119.200339317	Sum of GTIs [s]
ontime7	44119.200339317	Sum of GTIs [s]
l2events	469983	Number of level 2 events



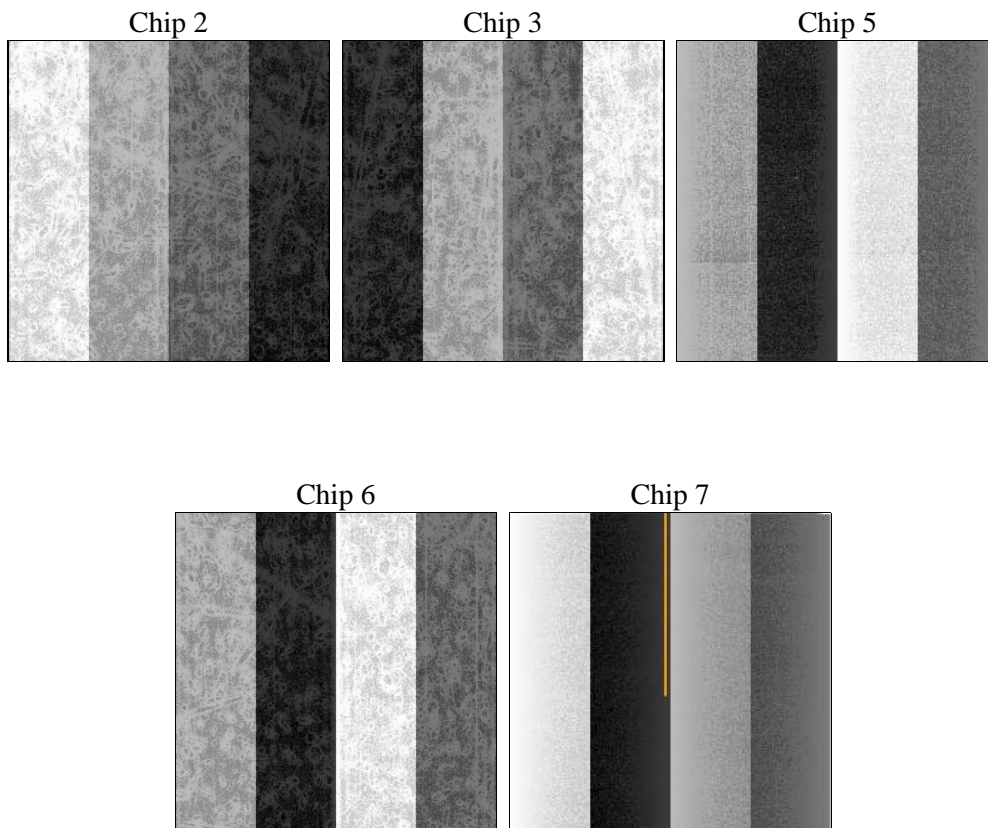
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	44000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	44119.200339317	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	44106.636398315	Sum of GTIs [s]
date	2012-04-08T20:35:29	Date and time of file creation	ontime3	44119.200339317	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	44119.200339317	Sum of GTIs [s]
			ontime6	44119.200339317	Sum of GTIs [s]
			ontime7	44119.200339317	Sum of GTIs [s]
			l1events	1890844	Number of level 1 events

2.1.4 Events

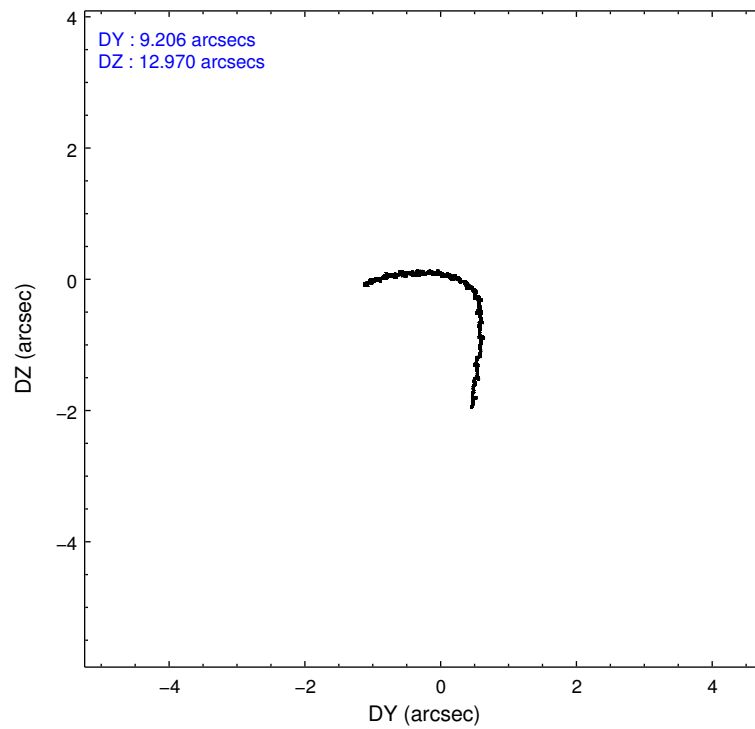
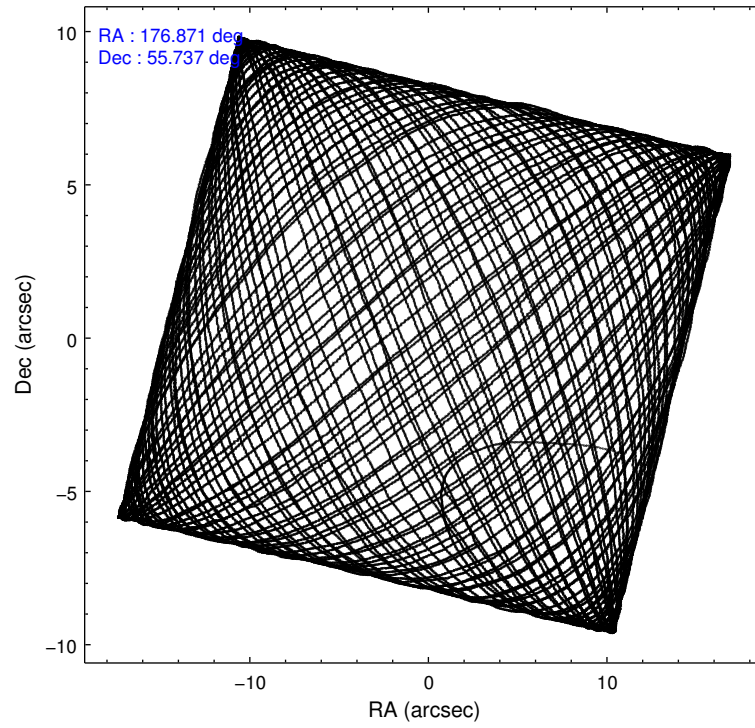
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	357049	330979	453960	354688	394168
rejected events	325606	299875	242338	315576	214150
rejected %	91%	90%	53%	88%	54%

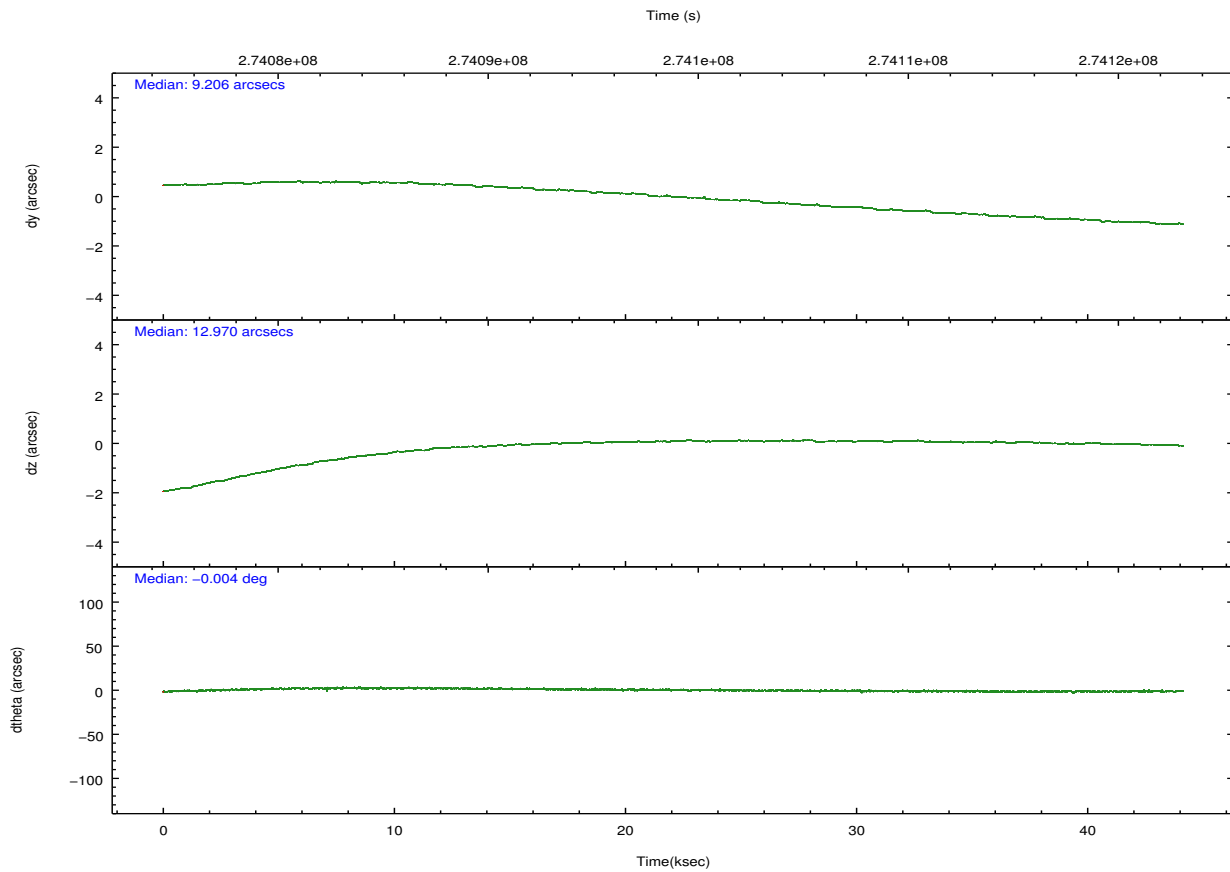
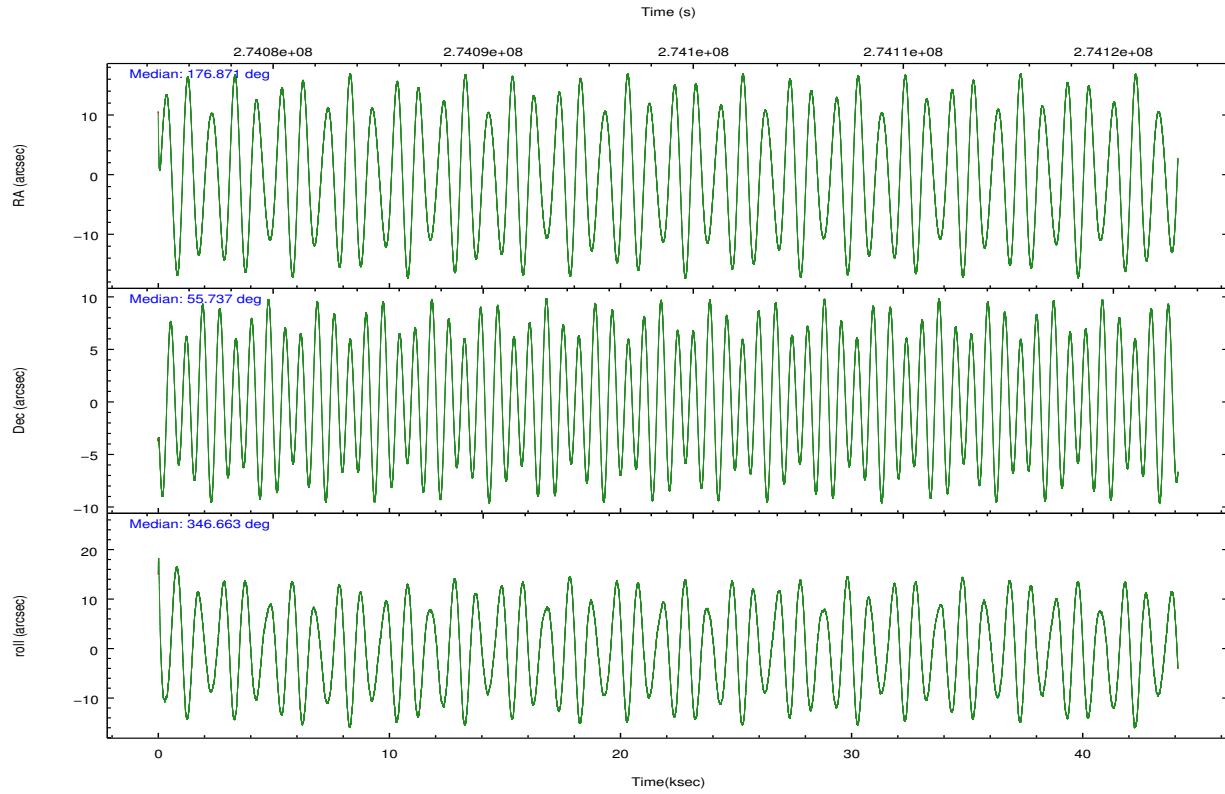
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	11793	11817	13687	16629	20313
	3%	3%	3%	4%	5%
grade 1 events	166	195	418	170	329
	0%	0%	0%	0%	0%
grade 2 events	7640	6856	66449	8141	38724
	2%	2%	14%	2%	9%
grade 3 events	3514	3638	10045	4072	17769
	0%	1%	2%	1%	4%
grade 4 events	3675	3552	9503	4027	17653
	1%	1%	2%	1%	4%
grade 5 events	10461	13543	37409	13863	40359
	2%	4%	8%	3%	10%
grade 6 events	5940	6301	120039	7561	91786
	1%	1%	26%	2%	23%
grade 7 events	313860	285077	196410	300225	167235
	87%	86%	43%	84%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	176.825167	176.8713221391896	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.728725	55.73687853204864	Alternating exposures requested	N	N
[deg] Pointing Roll	346.554032	346.6725158943005	[s] Primary exposure time	0.000000	3.1
[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)	274076858.184000	274075072.59936			
Observation start date	2006-09-08T04:26:33	2006-09-08T03:57:52			
[s] Observation end time (MET)	274120858.184000	274121337.51404			
Observation end date	2006-09-08T16:39:53	2006-09-08T16:48:57			
Read mode	TIMED	TIMED			

2.3 Aspect



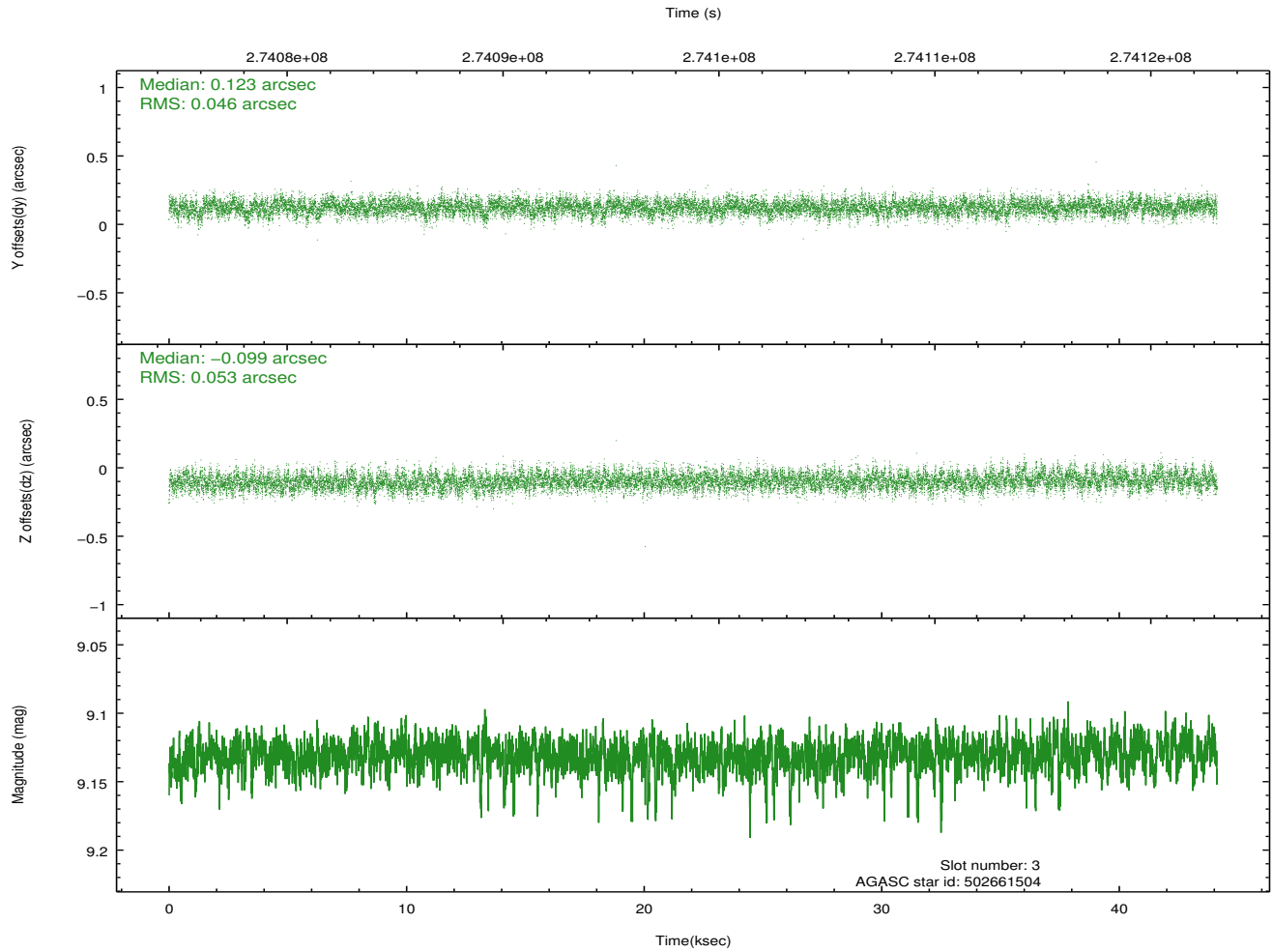
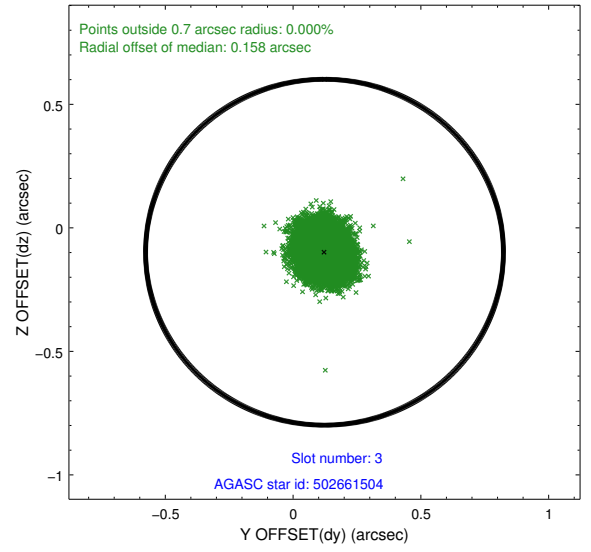
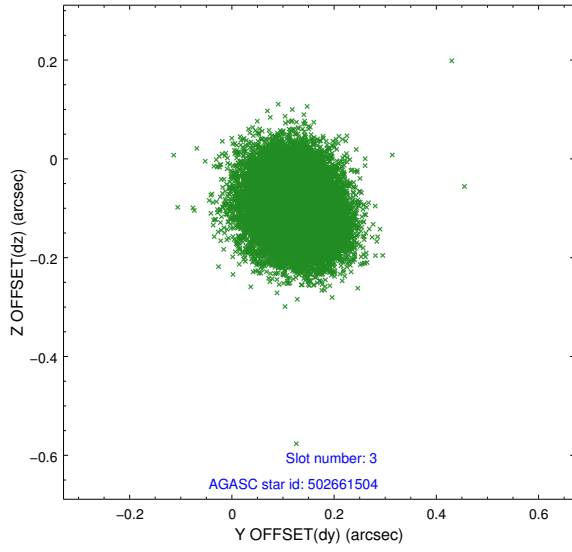


Slot Statistics

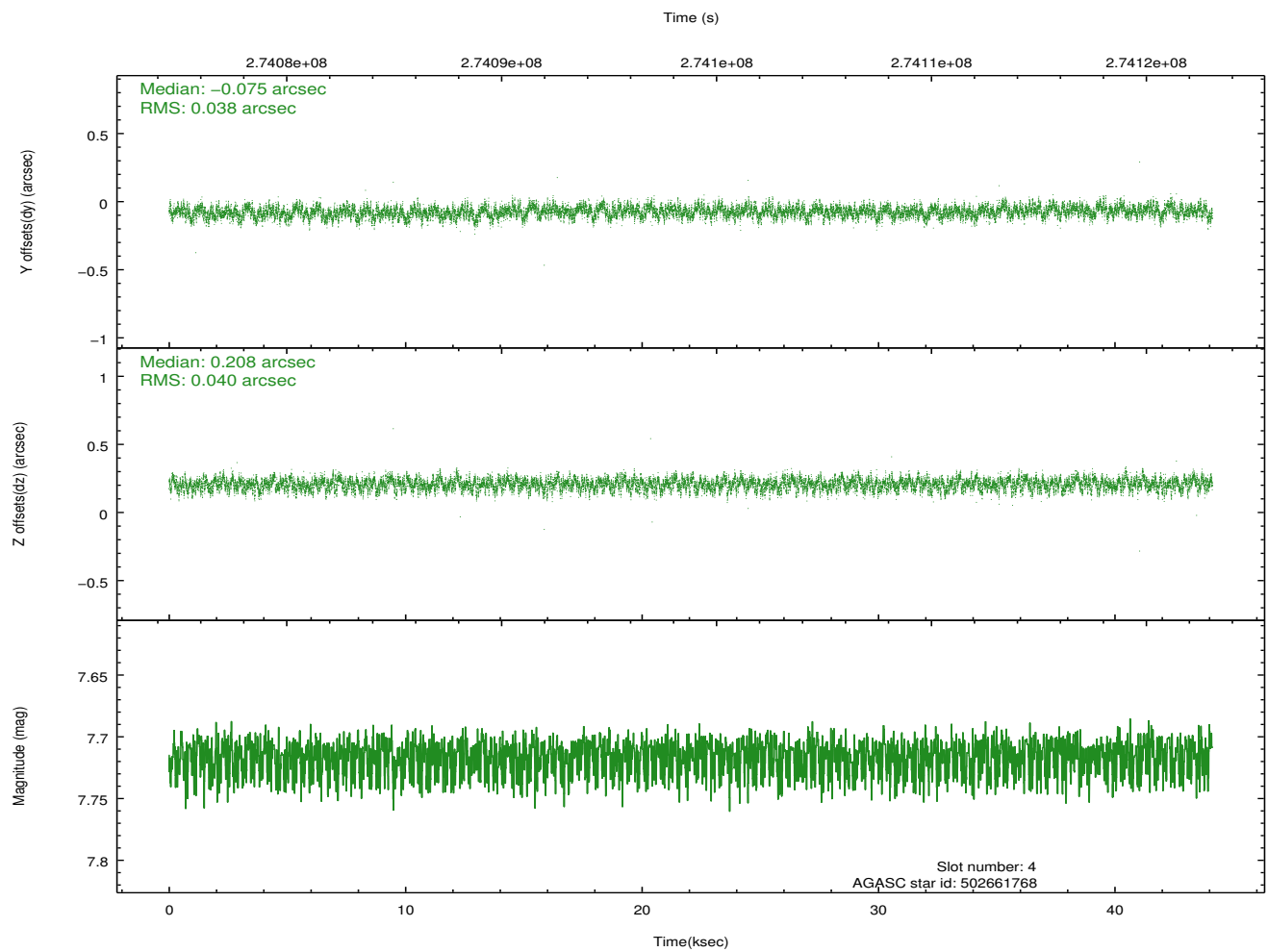
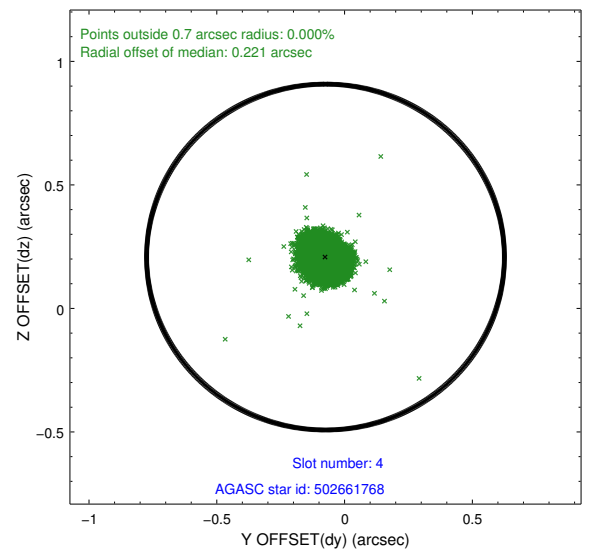
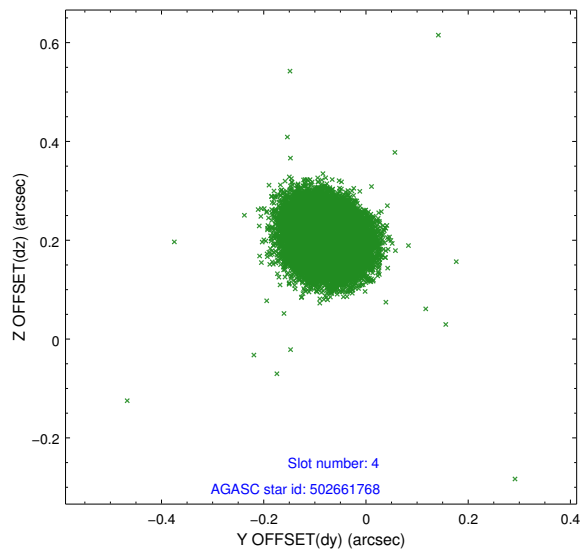
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	10763	0.081	-0.046	0.017	0.038	0.000000	0.000000	934.15	-1729.70
1	FID	ACIS-S-5	7.24	10763	-0.134	0.056	0.019	0.034	0.000000	0.000000	-1815.01	168.03
2	FID	ACIS-S-6	7.34	10762	0.039	0.002	0.029	0.067	0.000000	0.000000	399.72	811.89
3	GUIDE	502661504	9.13	21504	0.123	-0.099	0.074	0.122	176.644118	56.055641	-627.85	1060.20
4	GUIDE	502661768	7.72	21521	-0.075	0.208	0.059	0.093	177.146660	55.540024	794.83	-506.19
5	GUIDE	502662792	8.96	21512	-0.070	0.073	0.083	0.133	175.717067	55.292970	-1848.67	-2036.80
6	GUIDE	502669520	8.02	21515	-0.005	-0.078	0.069	0.109	176.602956	55.341551	-118.06	-1460.51
7	GUIDE	502664824	6.91	21521	0.026	-0.105	0.055	0.084	175.793574	56.019745	-2265.81	550.97

2.4 Star Slots

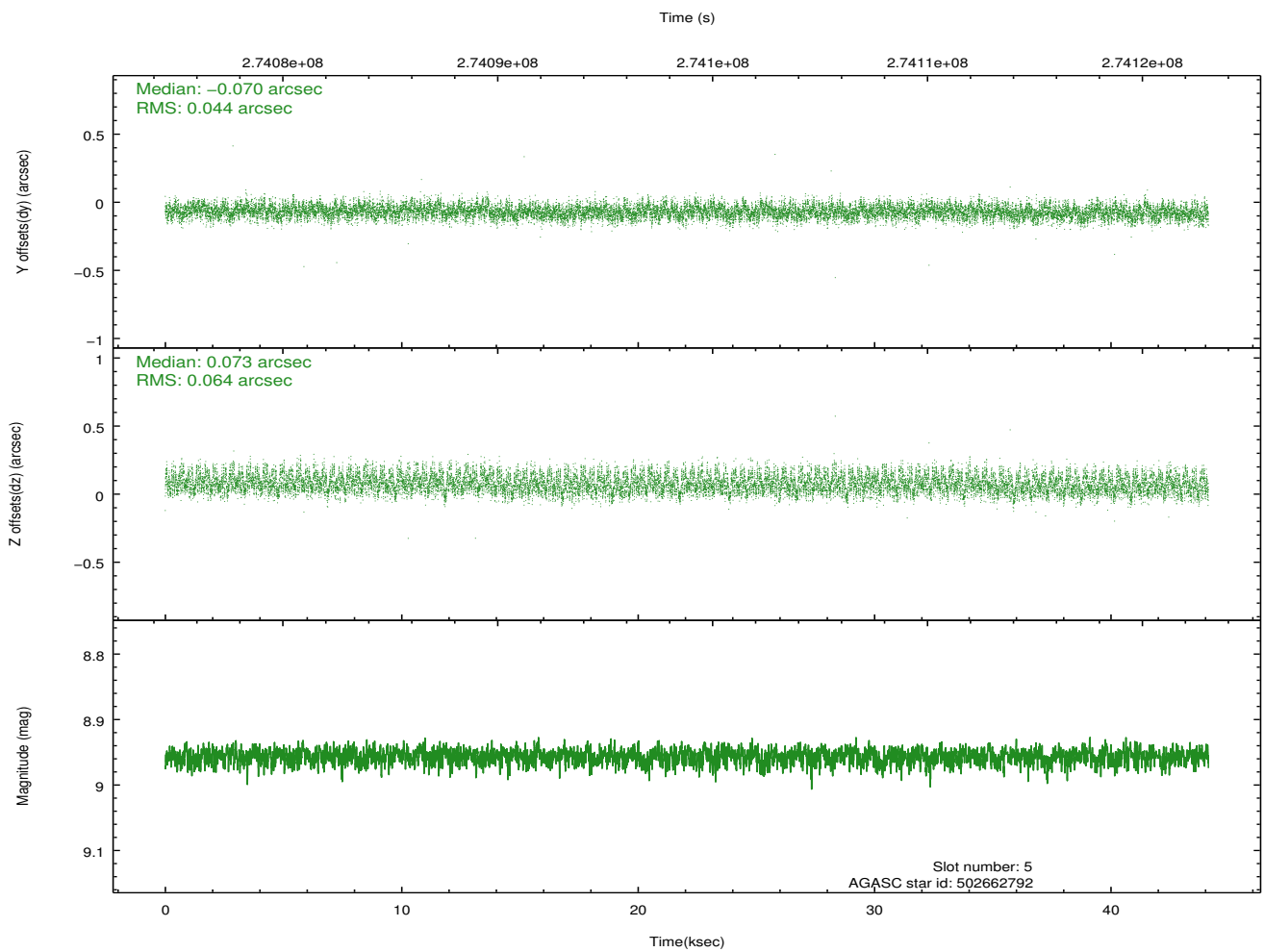
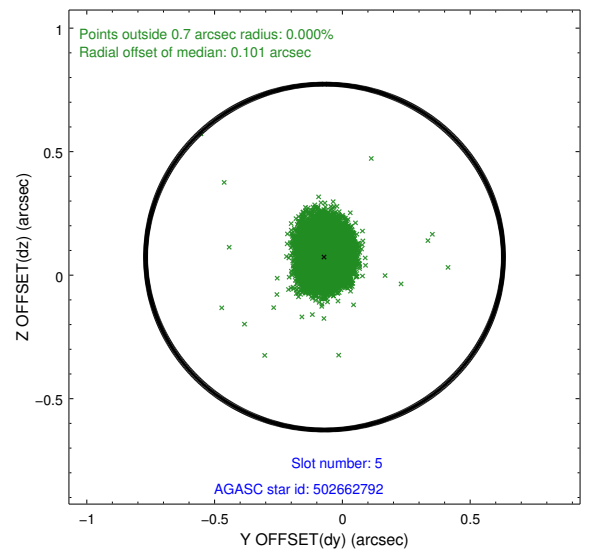
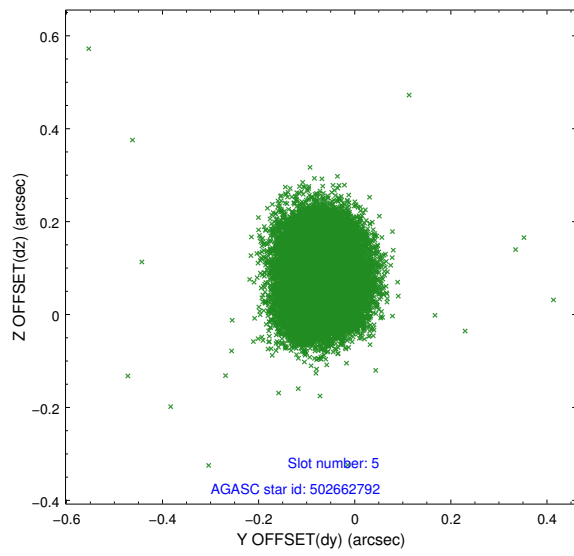
2.4.1 Slot 3



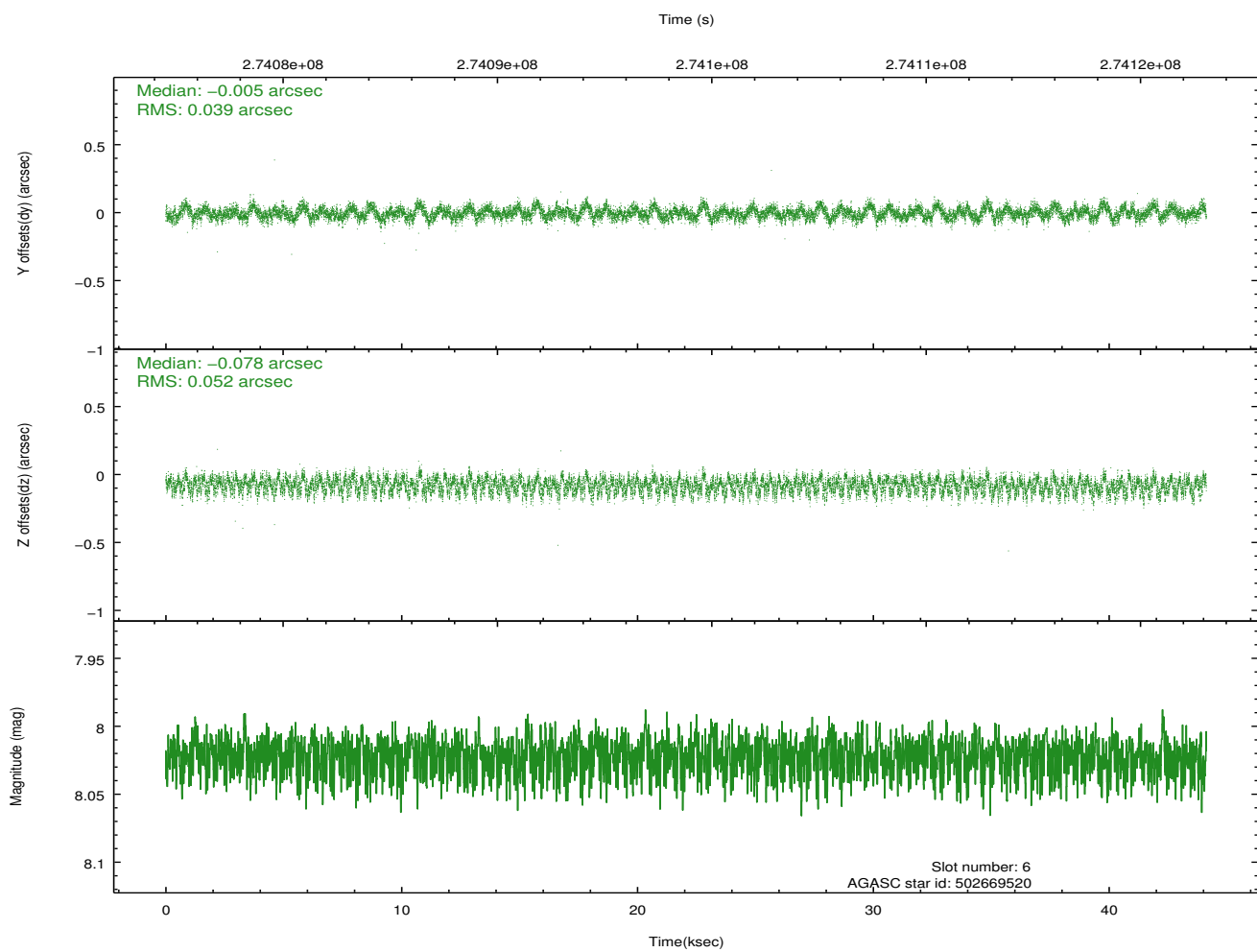
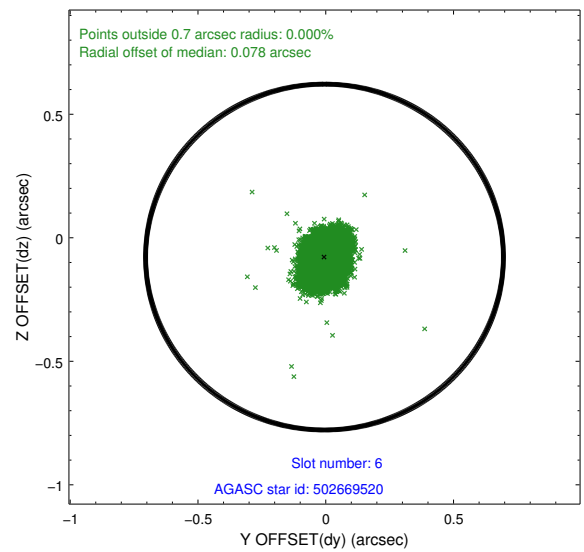
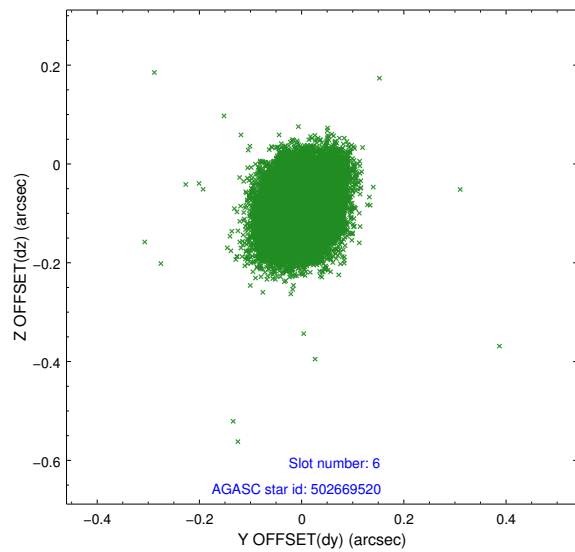
2.4.2 Slot 4



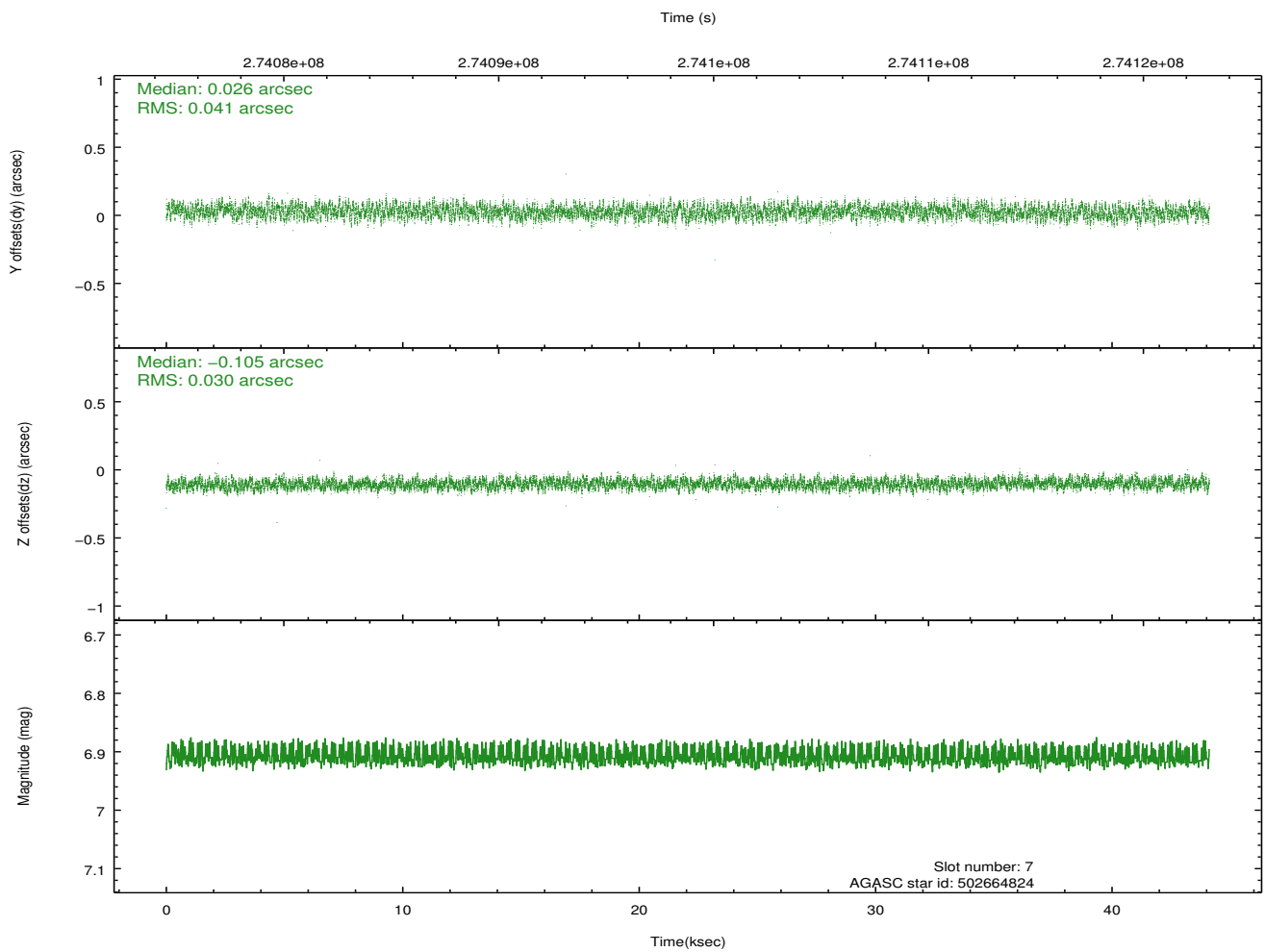
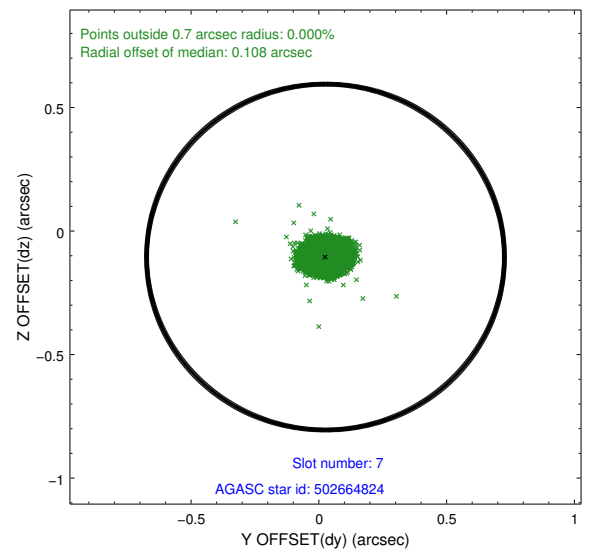
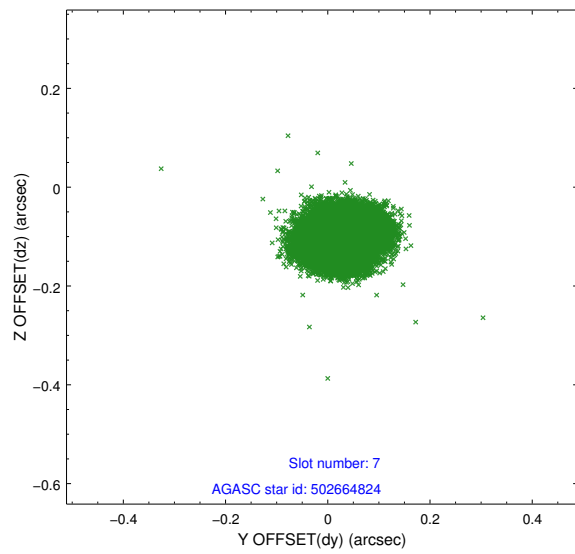
2.4.3 Slot 5



2.4.4 Slot 6

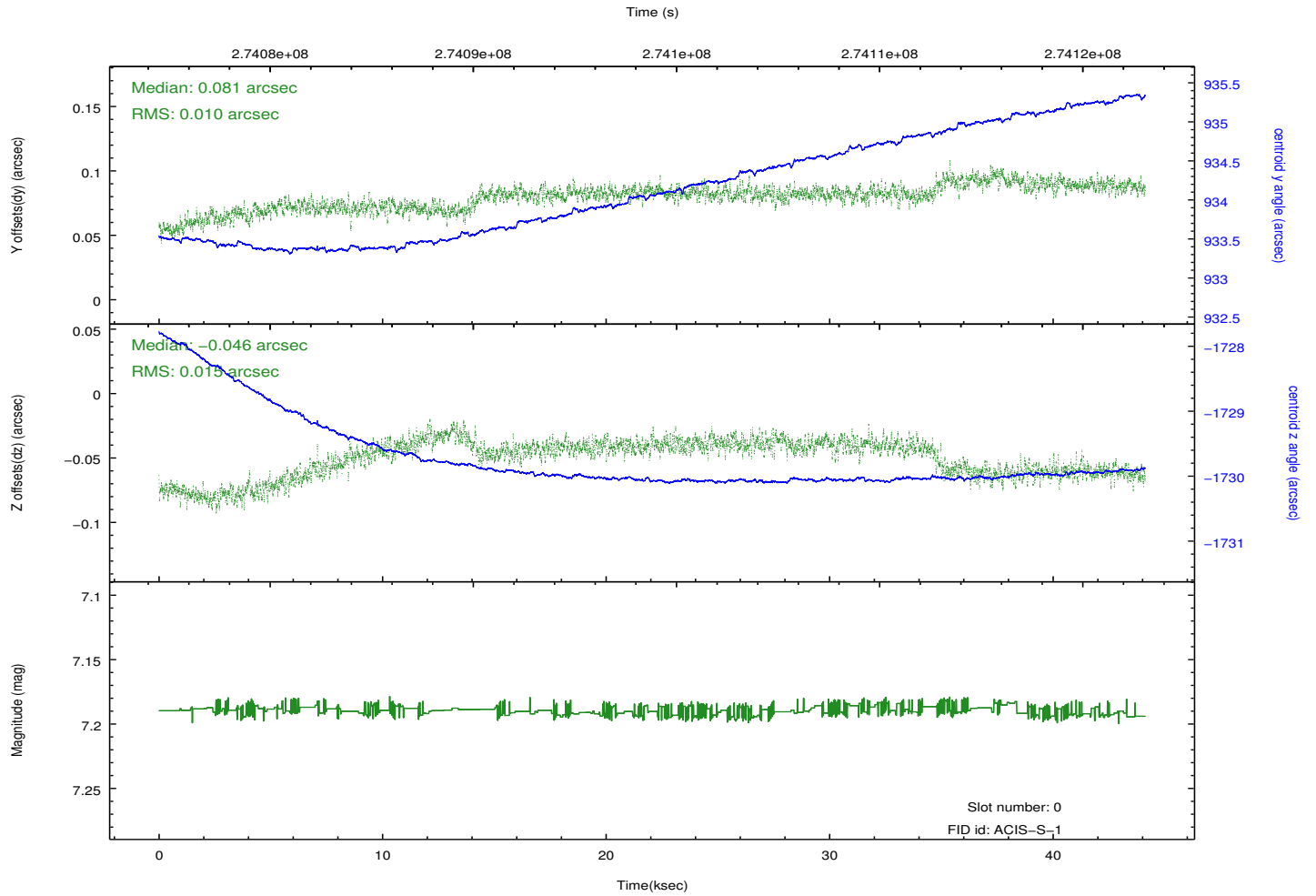
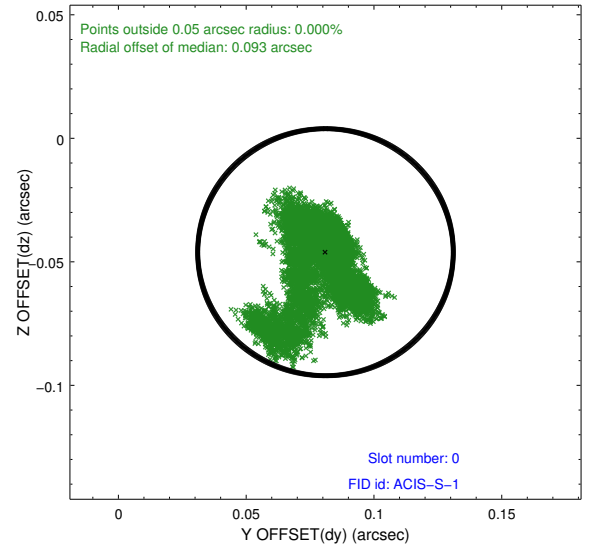
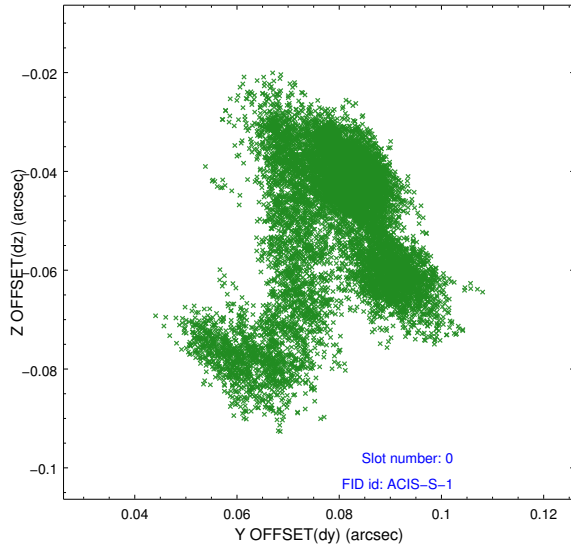


2.4.5 Slot 7

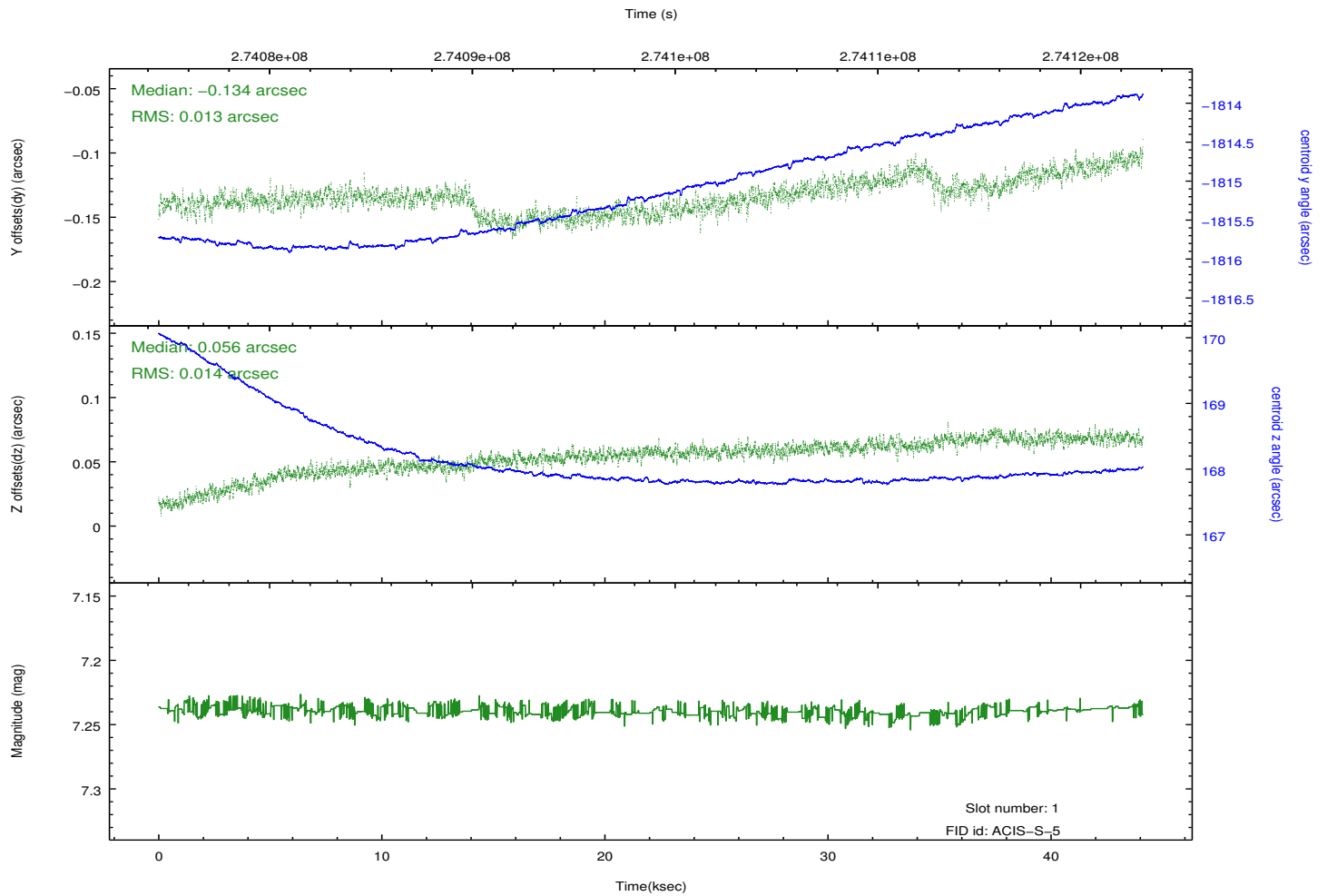
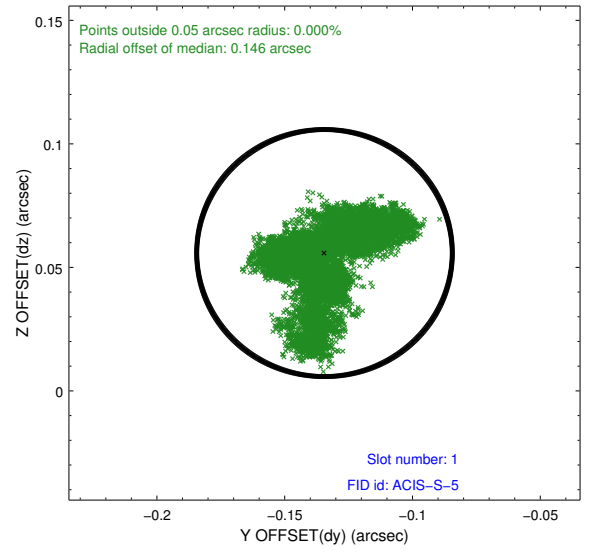
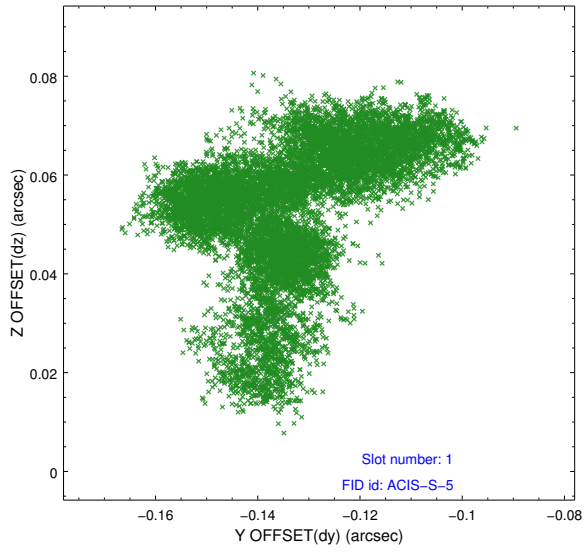


2.5 FID Slots

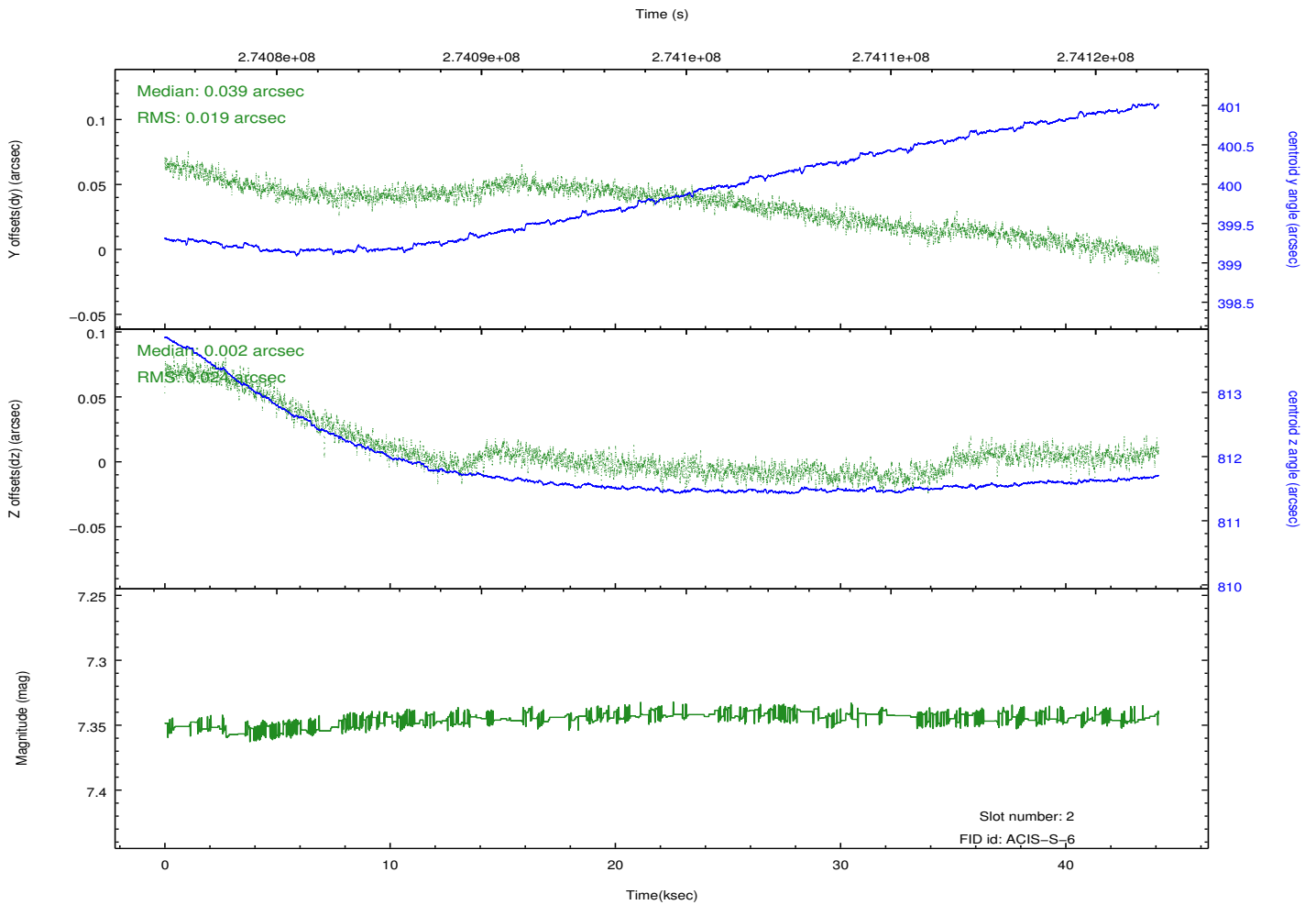
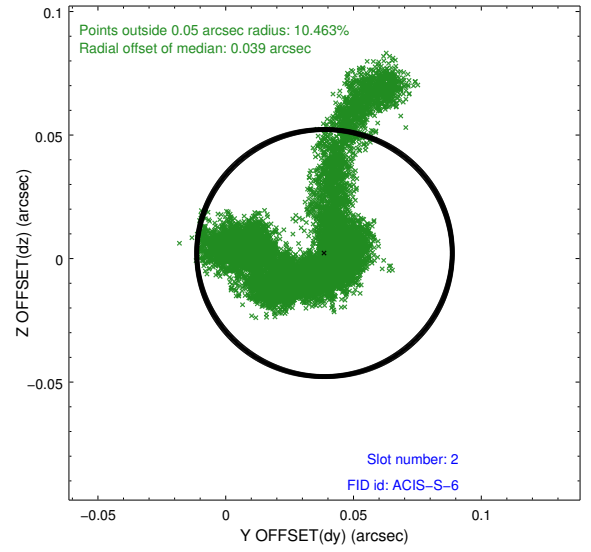
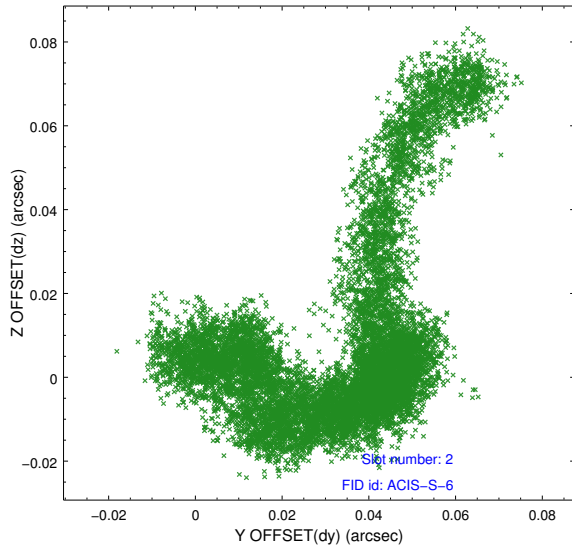
2.5.1 Slot 0



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	44.1192003

A.2 Comments