

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5024 - L2 Version 3
Chandra X-Ray Center

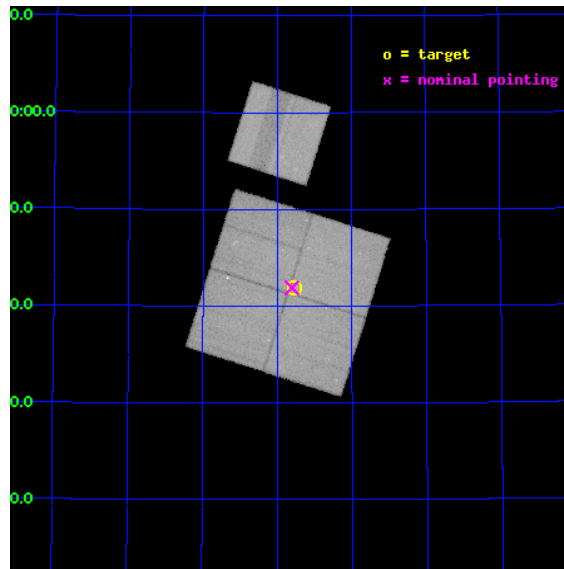
L2 Processing Date : Dec 9 2012

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1 Front

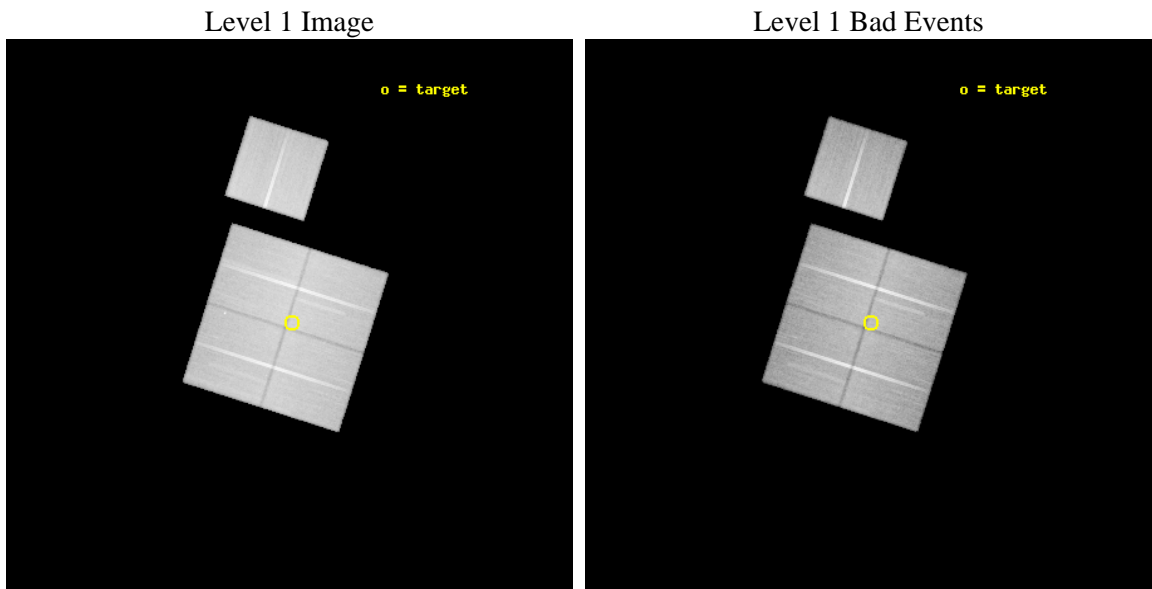
seq_num	900331	Sequence number
obs_id	5024	Observation id
title	The Balance of Power between Starbursts and AGN: a Chandra/SIRTf Survey.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	SWIRE LOCKMAN 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.192292	Observer's specified target RA [deg]
dec_targ	58.698737	Observer's specified target Dec [deg]
ra_nom	161.20119136562	Nominal RA [deg]
dec_nom	58.698309317598	Nominal Dec [deg]
roll_nom	17.601080334836	Nominal Roll [deg]
revision	3	Processing version of data
ontime	67175.592436343	Sum of GTIs [s]
livetime	66297.893867211	Livetime [s]
ontime0	67181.874566436	Sum of GTIs [s]
ontime1	67169.310555726	Sum of GTIs [s]
ontime2	67147.323843777	Sum of GTIs [s]
ontime3	67175.592436343	Sum of GTIs [s]
ontime6	67188.15664649	Sum of GTIs [s]
l2events	402114	Number of level 2 events



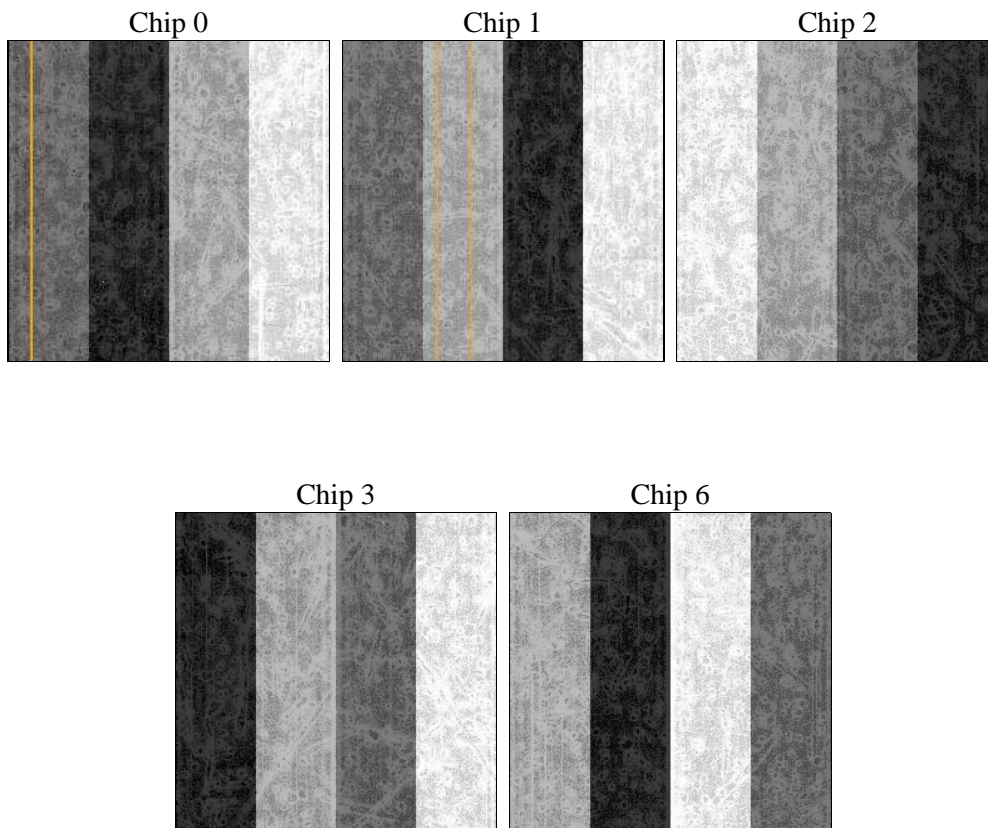
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	67381.115000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	67175.592436343	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	67181.874566436	Sum of GTIs [s]
date	2012-12-09T03:37:38	Date and time of file creation	ontime1	67169.310555726	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	67147.323843777	Sum of GTIs [s]
			ontime3	67175.592436343	Sum of GTIs [s]
			ontime6	67188.15664649	Sum of GTIs [s]
			l1events	2733842	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	511727	518902	577532	559707	565974
rejected events	417154	425110	480903	469851	469369
rejected %	81%	81%	83%	83%	82%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	43683	38559	46980	41108	44056
	8%	7%	8%	7%	7%
grade 1 events	354	286	431	396	349
	0%	0%	0%	0%	0%
grade 2 events	23357	25159	21779	21113	24279
	4%	4%	3%	3%	4%
grade 3 events	6283	6541	6091	6210	6195
	1%	1%	1%	1%	1%
grade 4 events	6106	6468	7167	6236	6201
	1%	1%	1%	1%	1%
grade 5 events	19671	20271	18985	21751	21734
	3%	3%	3%	3%	3%
grade 6 events	15860	17721	15297	15834	16515
	3%	3%	2%	2%	2%
grade 7 events	396413	403897	460802	447059	446645
	77%	77%	79%	79%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	161.165811	161.201191365619	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.678005	58.69830931759812	Alternating exposures requested	N	N
[deg] Pointing Roll	17.422620	17.60108033483558	[s] Primary exposure time	0.000000	3.1
[deg] Roll angle	19.200000	19.200000			
[deg] Roll tolerance	1.800000	1.800000			
Roll constraint allows 180D rotation	Y	Y			
[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)	211706056.184000	211704890.86097			
Observation start date	2004-09-16T07:13:12	2004-09-16T06:54:50			
[s] Observation end time (MET)	211773437.184000	211773672.97654			
Observation end date	2004-09-17T01:56:13	2004-09-17T02:01:12			
Read mode	TIMED	TIMED			

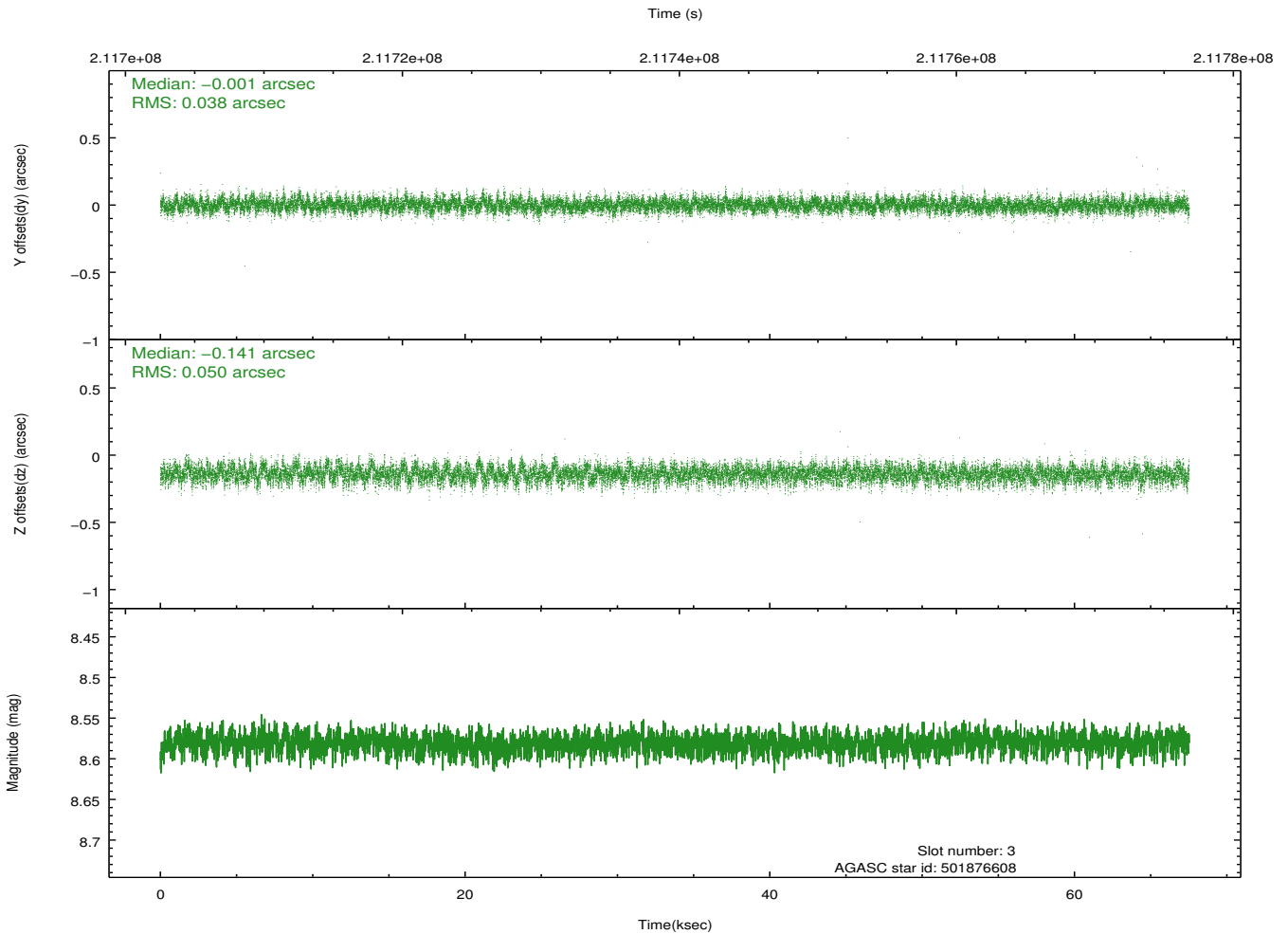
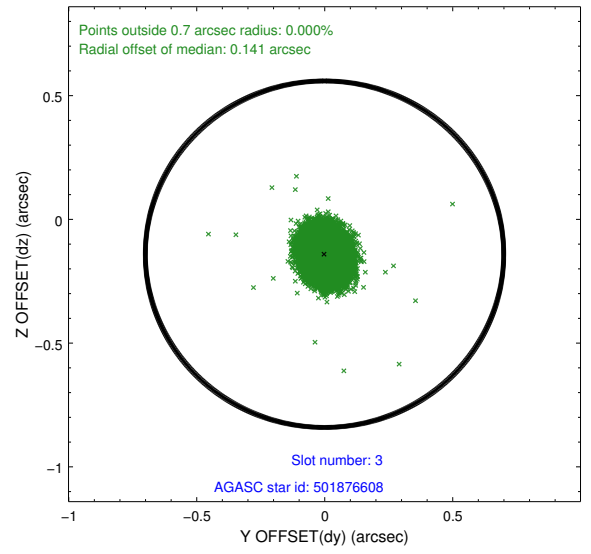
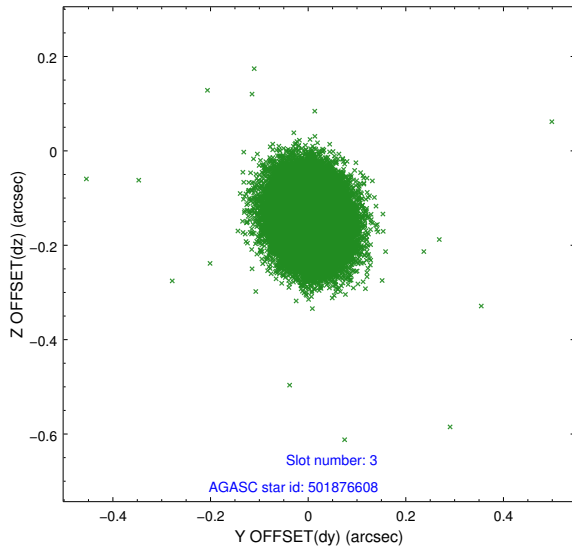
2.3 Aspect

Slot Statistics

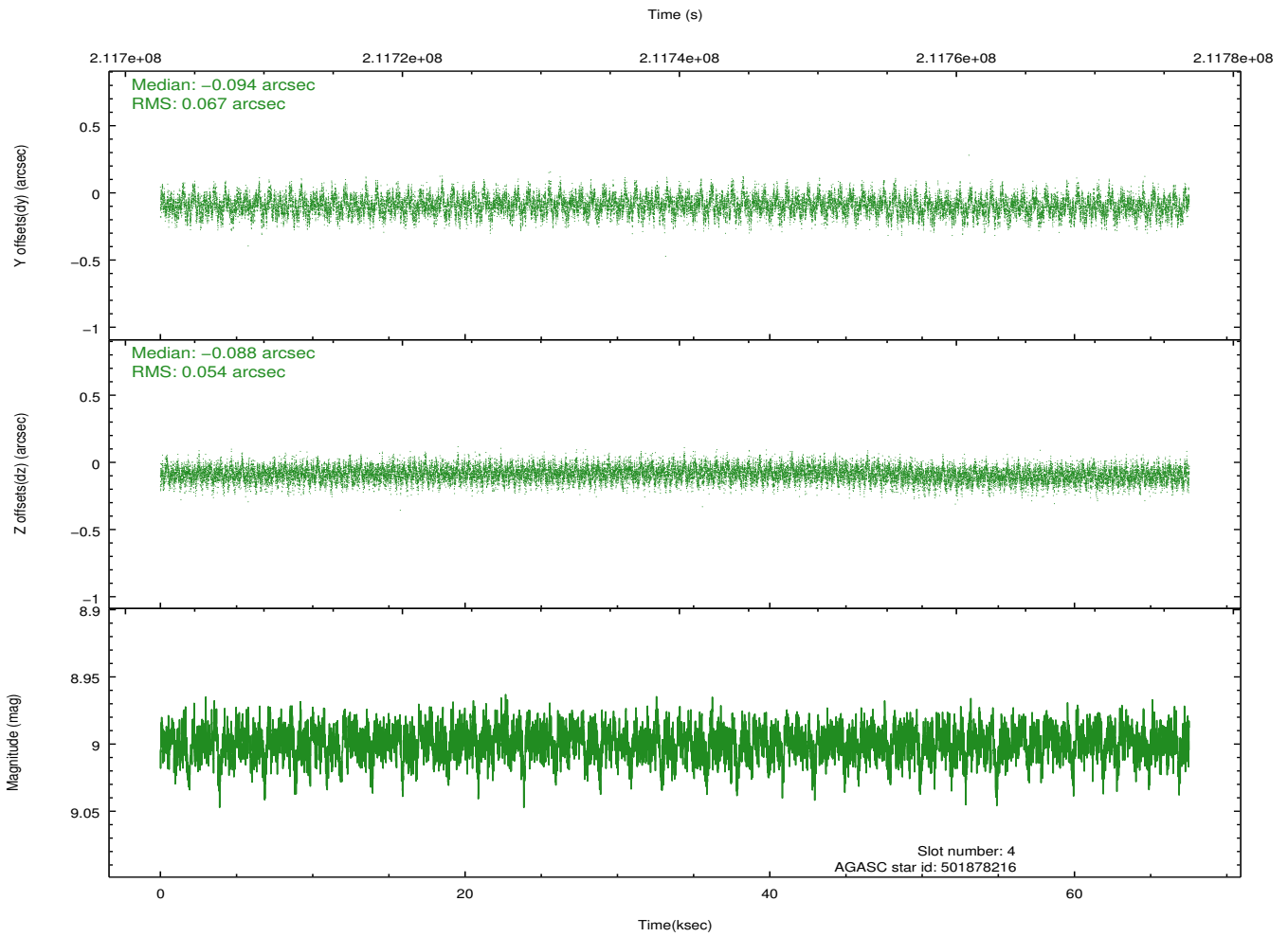
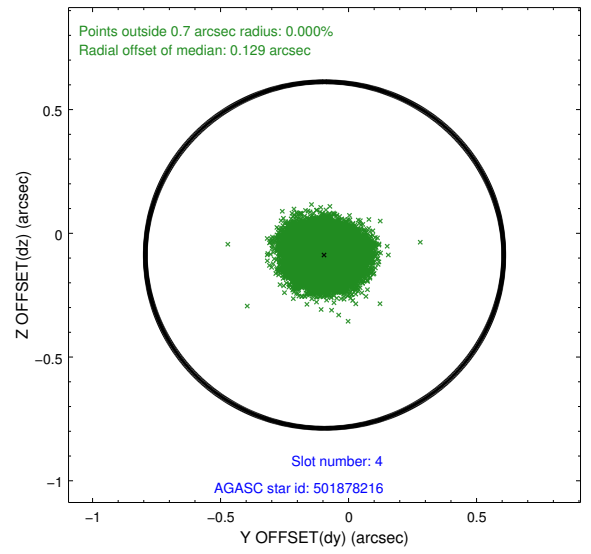
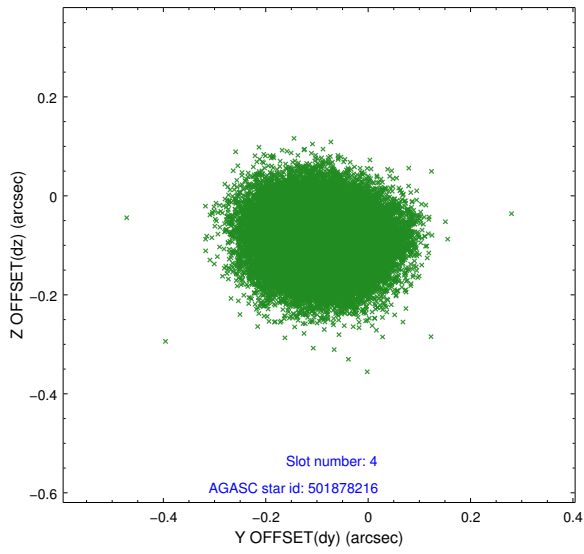
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	16471	0.002	-0.027	0.017	0.053	0.000000	0.000000	934.83	-833.72
1	FID	ACIS-I-4	7.18	16471	0.082	0.041	0.036	0.055	0.000000	0.000000	2154.91	1066.17
2	FID	ACIS-I-5	7.22	16471	-0.185	0.056	0.032	0.044	0.000000	0.000000	-1813.43	1063.96
3	GUIDE	501876608	8.58	32930	-0.001	-0.141	0.066	0.108	161.204341	58.717464	111.29	113.91
4	GUIDE	501878216	9.00	32923	-0.094	-0.088	0.092	0.147	161.663048	59.249982	1490.90	1693.99
5	GUIDE	501882776	8.23	32933	0.072	0.186	0.075	0.115	160.771087	57.955821	-1496.62	-2252.72
6	GUIDE	501882320	9.08	32926	0.125	0.117	0.097	0.154	160.706735	57.955502	-1614.23	-2216.29
7	GUIDE	501878576	7.83	32930	-0.101	-0.078	0.055	0.087	161.532118	59.060873	1060.18	1113.89

2.4 Star Slots

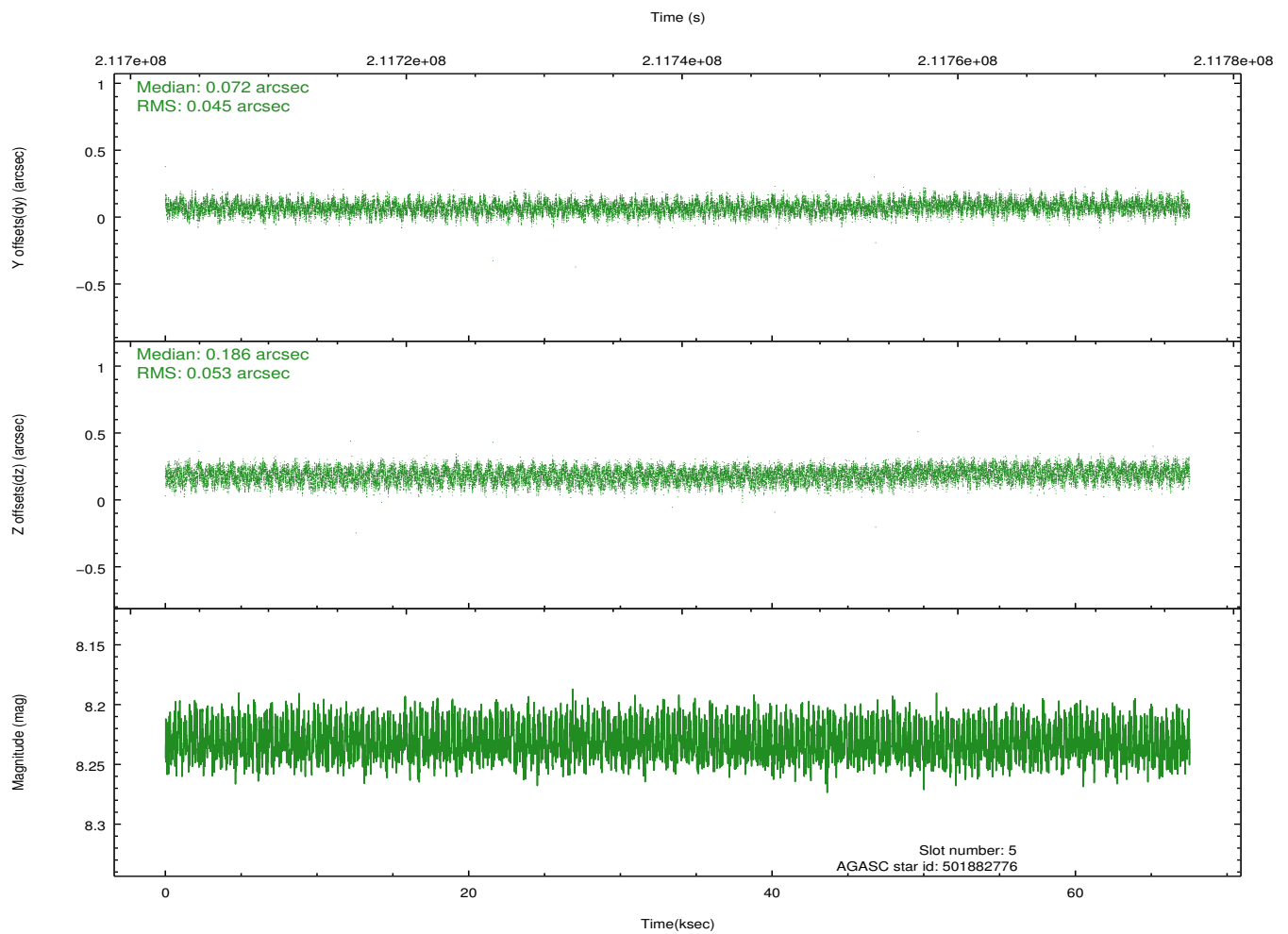
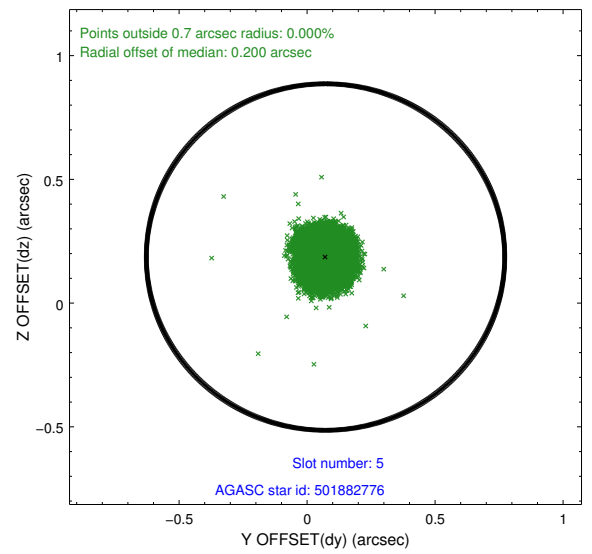
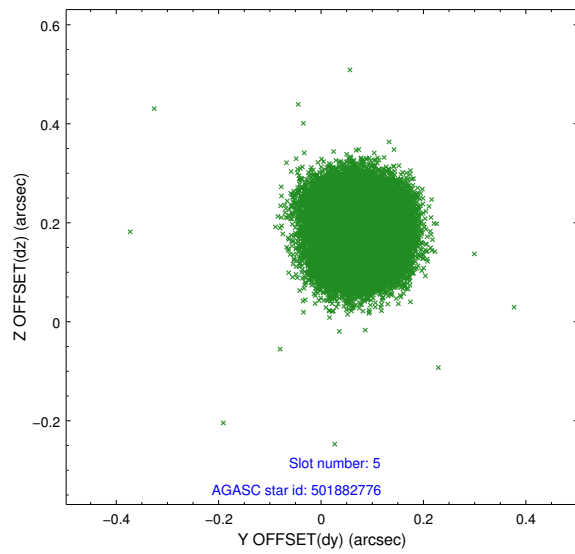
2.4.1 Slot 3



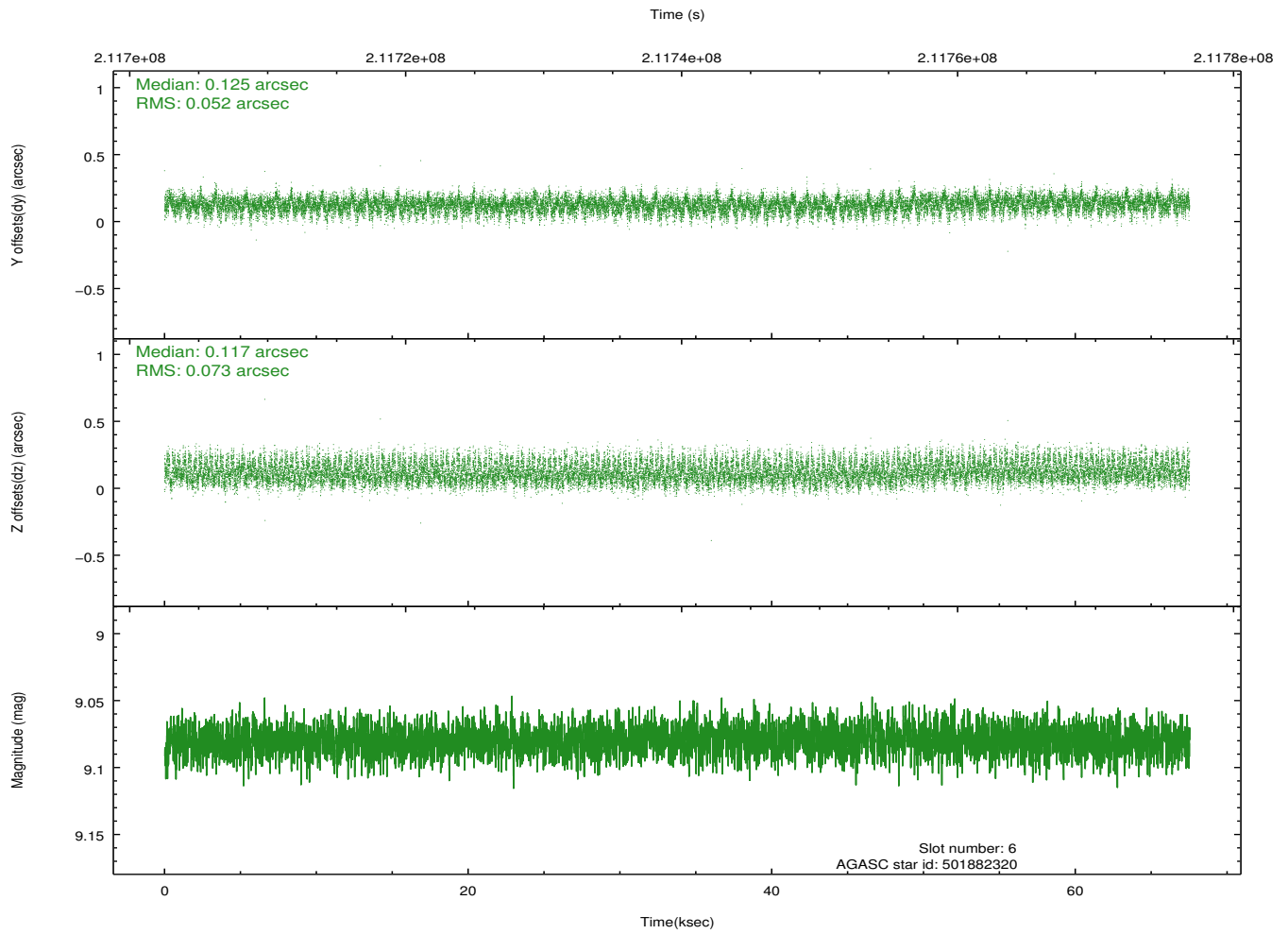
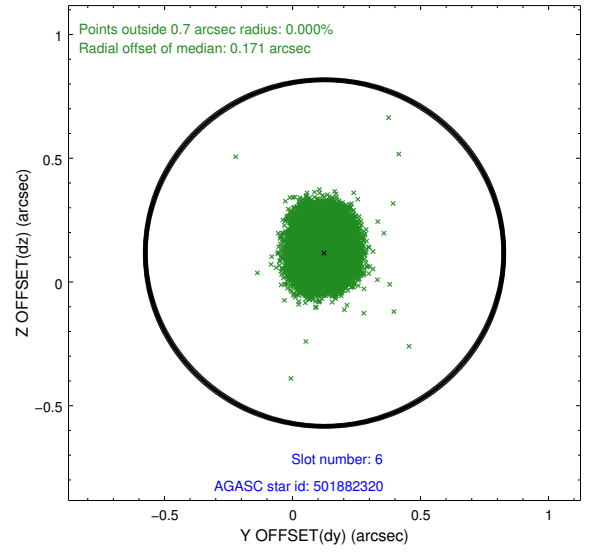
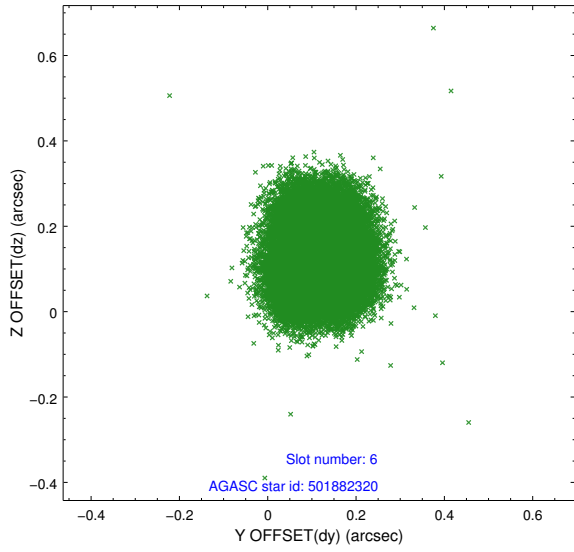
2.4.2 Slot 4



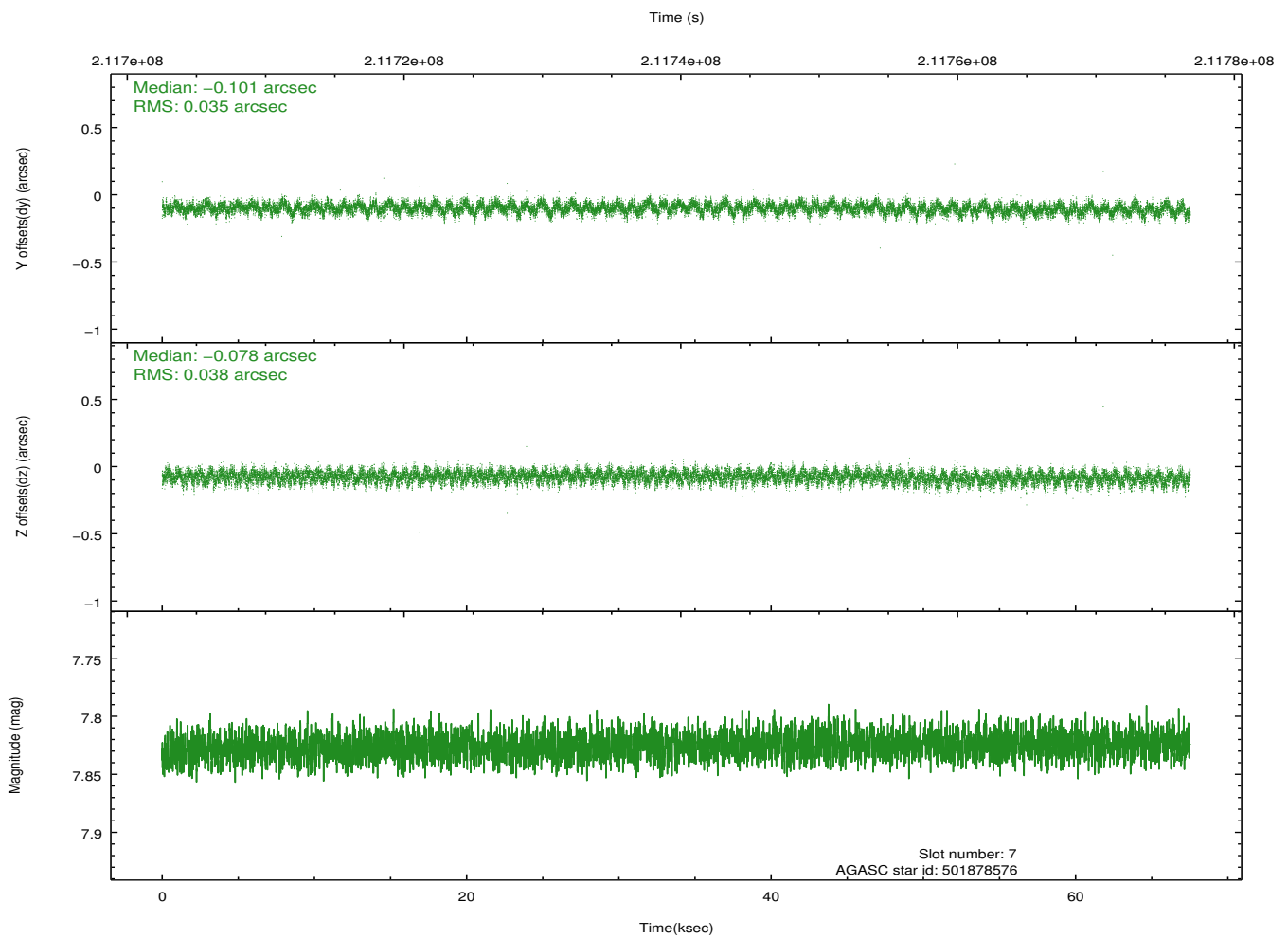
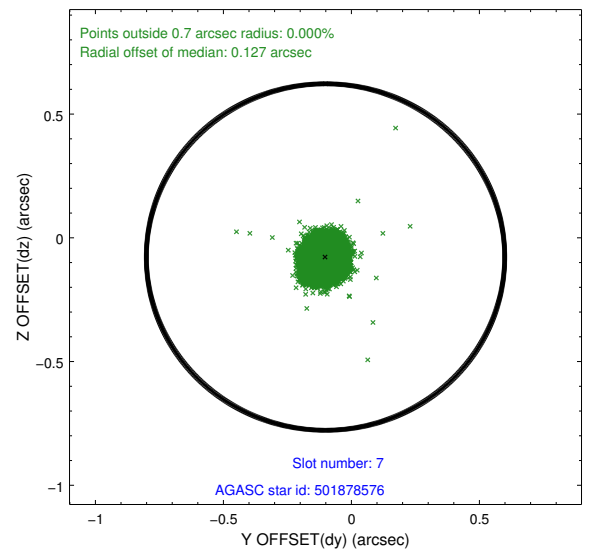
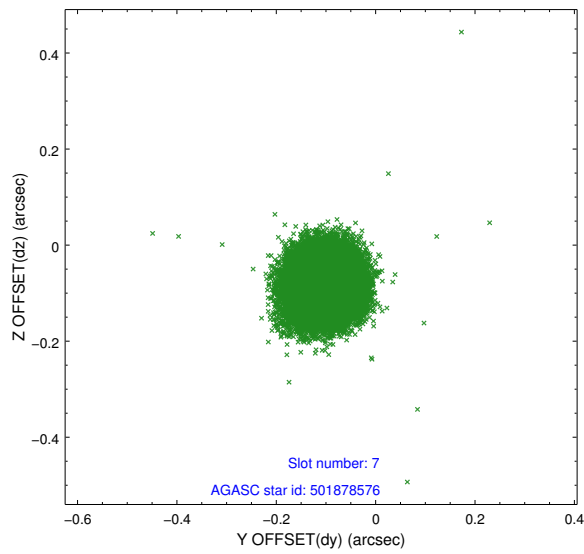
2.4.3 Slot 5



2.4.4 Slot 6

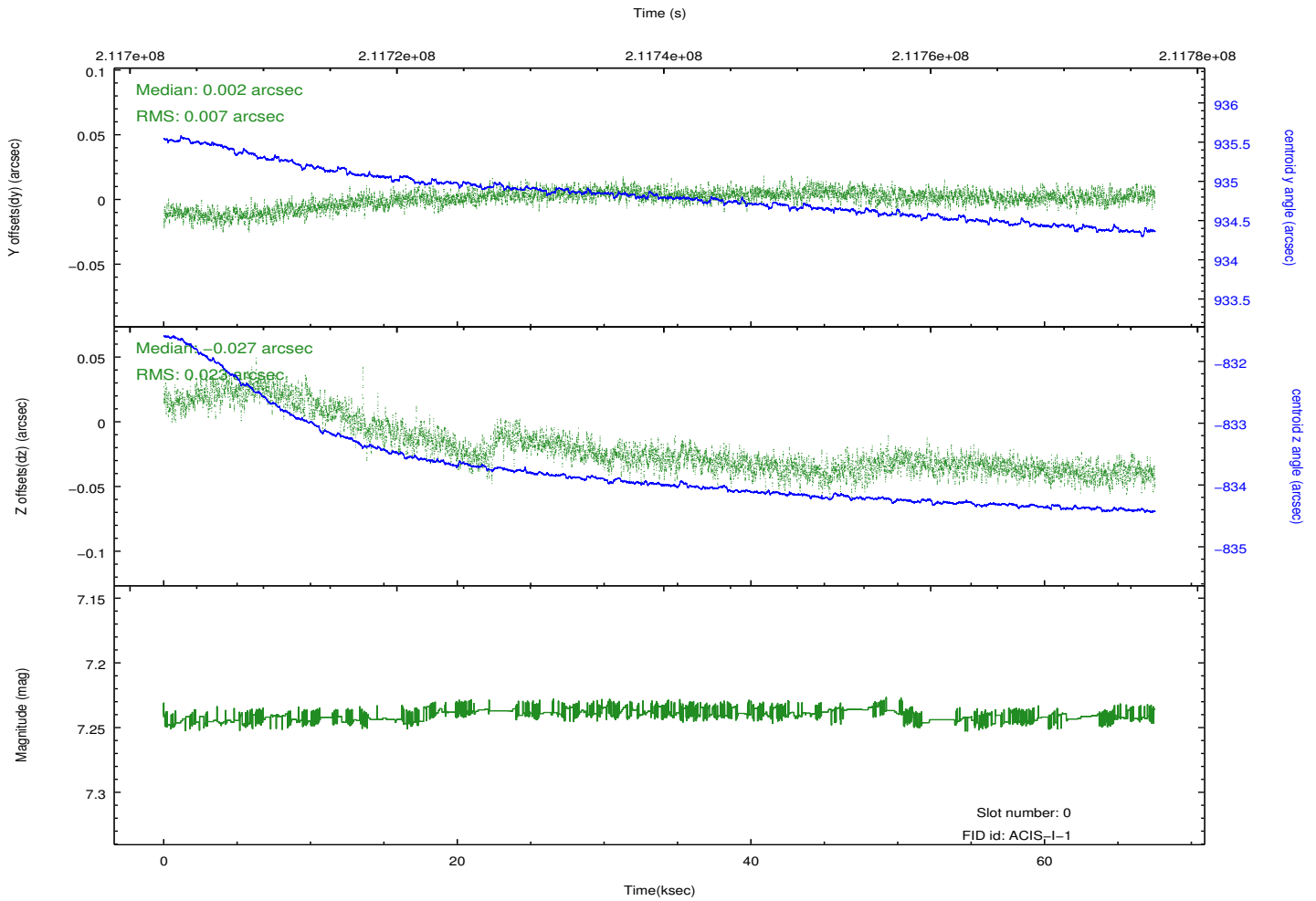
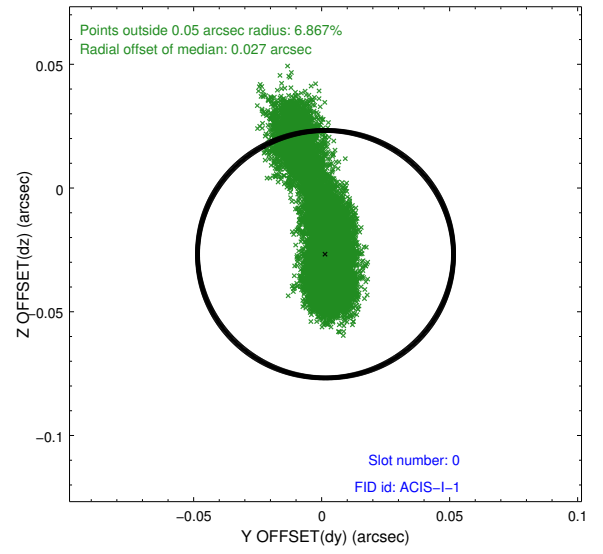
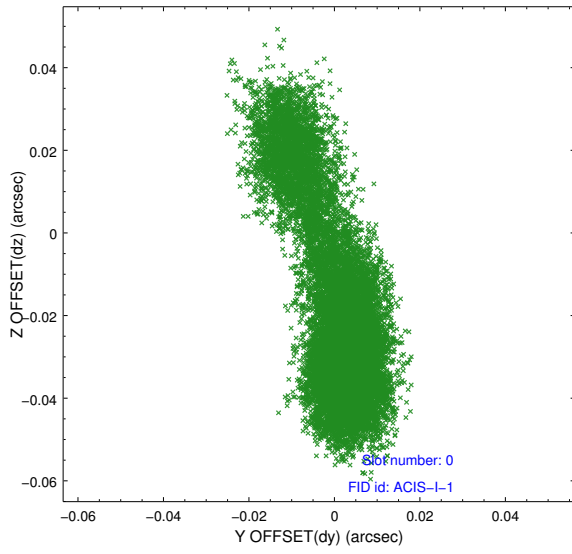


2.4.5 Slot 7

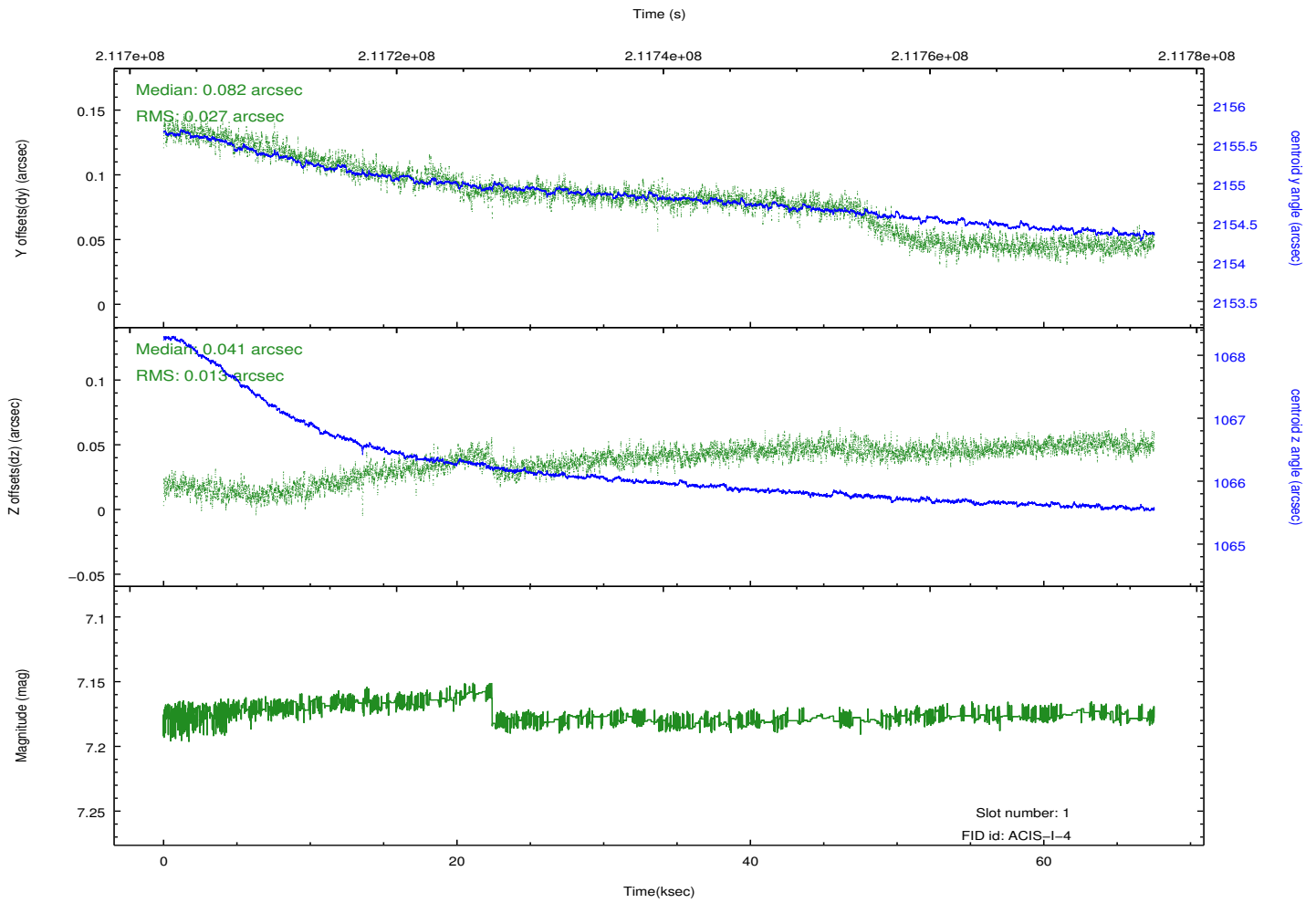
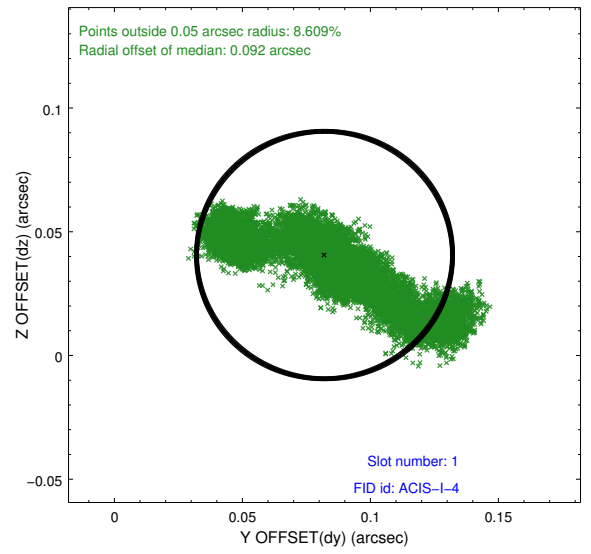
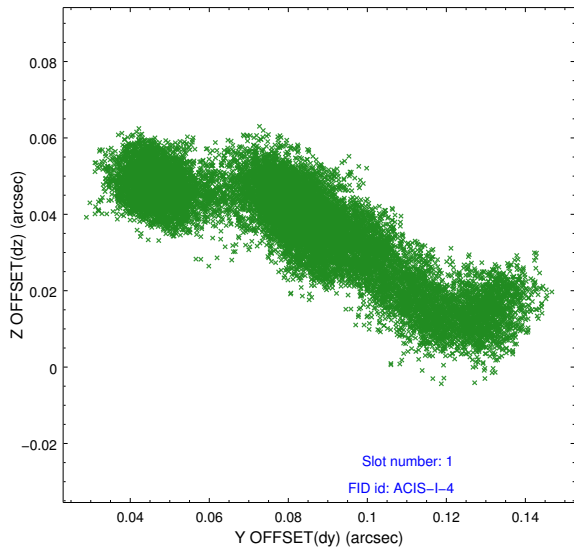


2.5 FID Slots

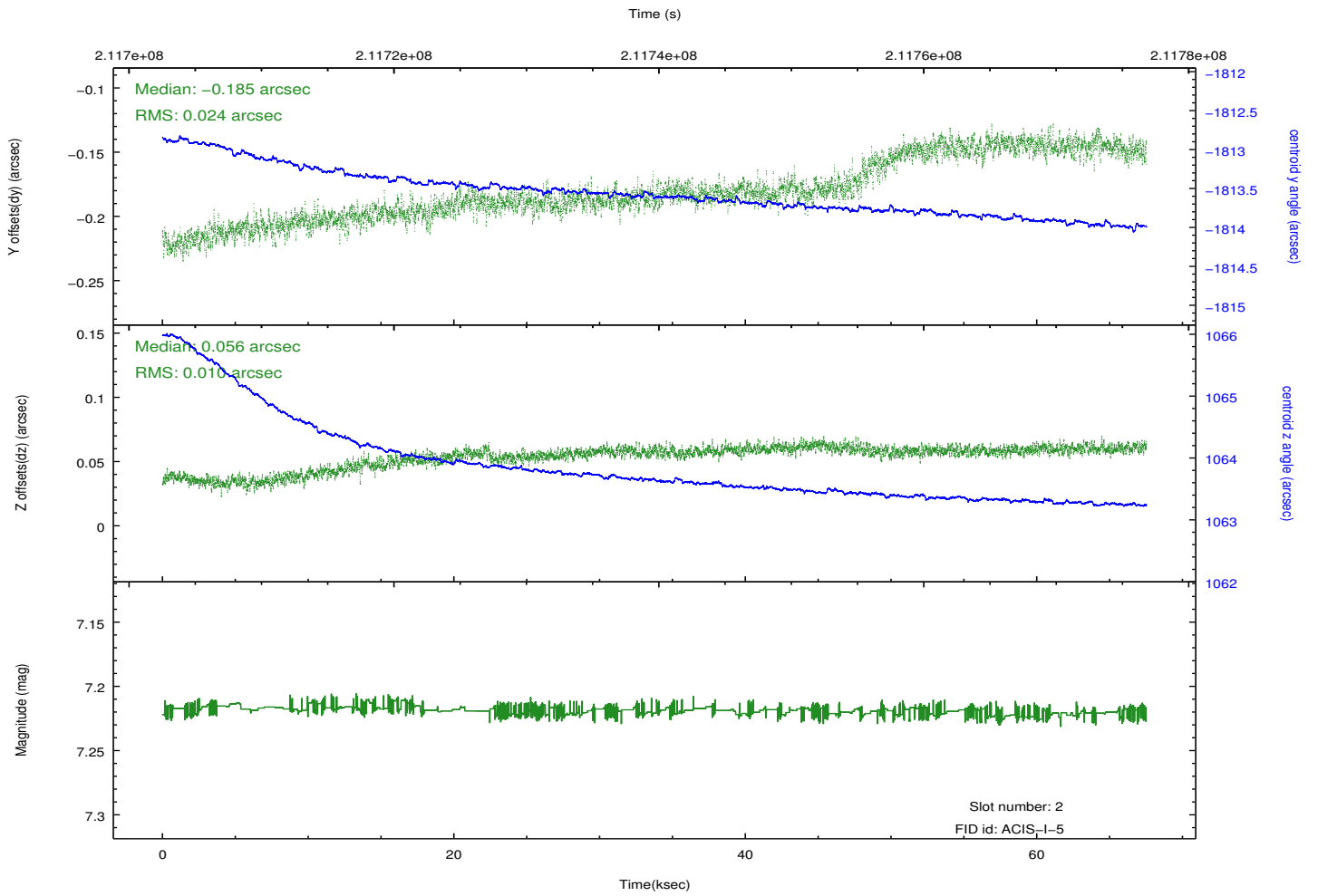
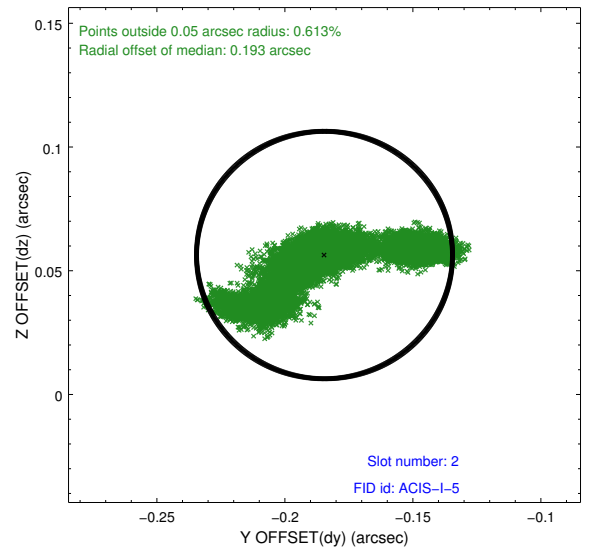
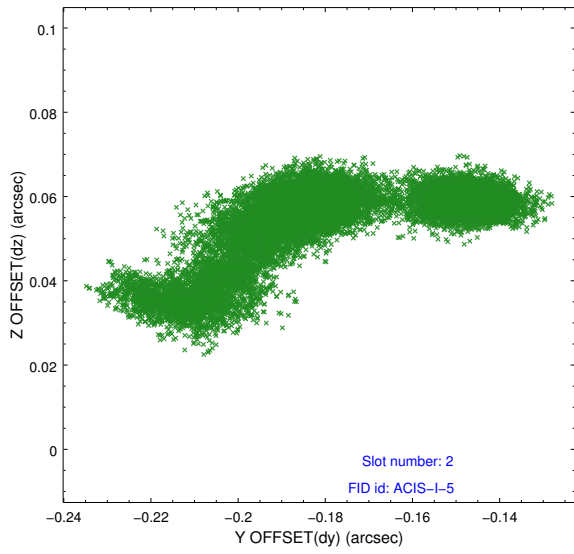
2.5.1 Slot 0



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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	67.175

A.2 Comments

Joint proposal with NOAO.

Roll preference met.