

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13547 - L2 Version 2
Chandra X-Ray Center

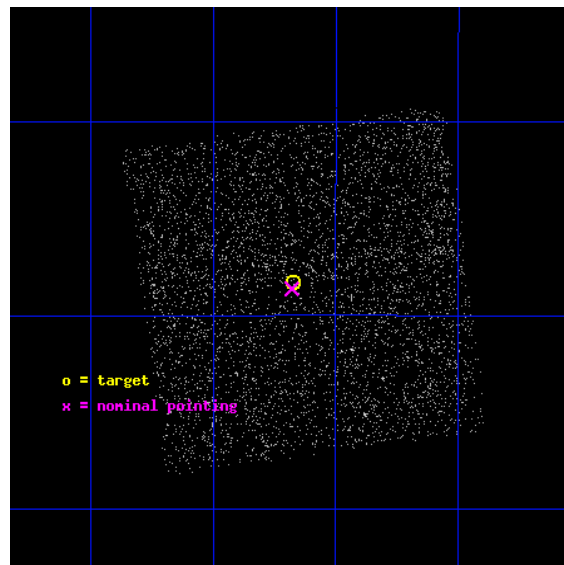
L2 Processing Date : Feb 25 2012

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1 Front

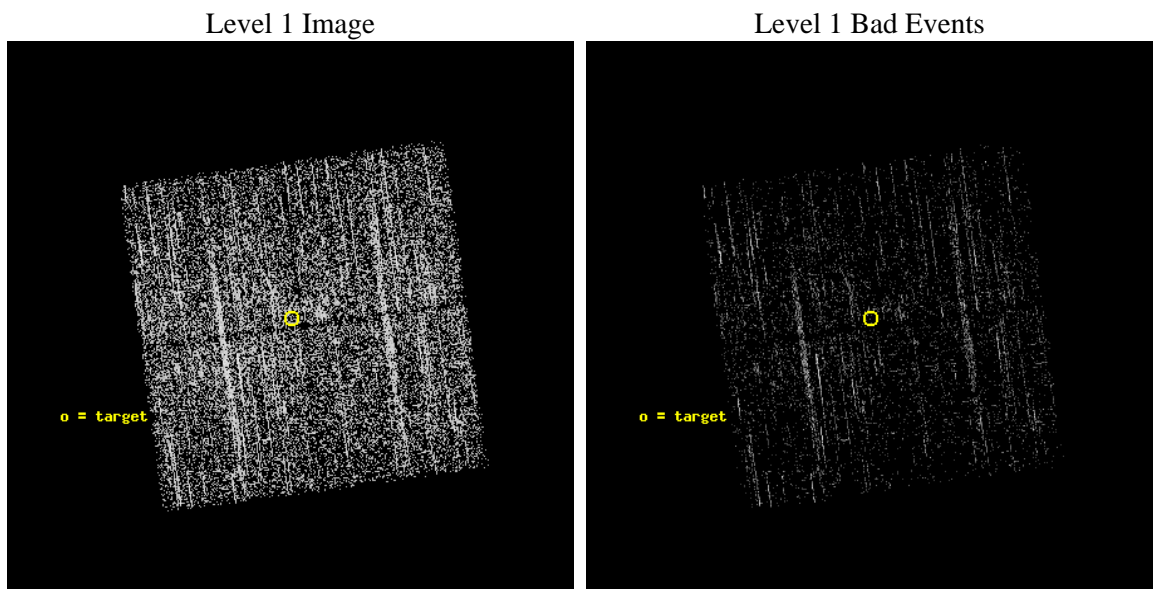
seq_num	401323	Sequence number
obs_id	13547	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.042985	Observer's specified target RA [deg]
dec_targ	-31.304705	Observer's specified target Dec [deg]
ra_nom	267.04480040335	Nominal RA [deg]
dec_nom	-31.31045683961	Nominal Dec [deg]
roll_nom	262.16875539365	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1974.7000151873	Sum of GTIs [s]
livetime	1948.8991057358	Livetime [s]
ontime0	1971.55902493	Sum of GTIs [s]
ontime1	1974.7000151873	Sum of GTIs [s]
ontime2	1974.7000151873	Sum of GTIs [s]
ontime3	1974.7000151873	Sum of GTIs [s]
l2events	4975	Number of level 2 events



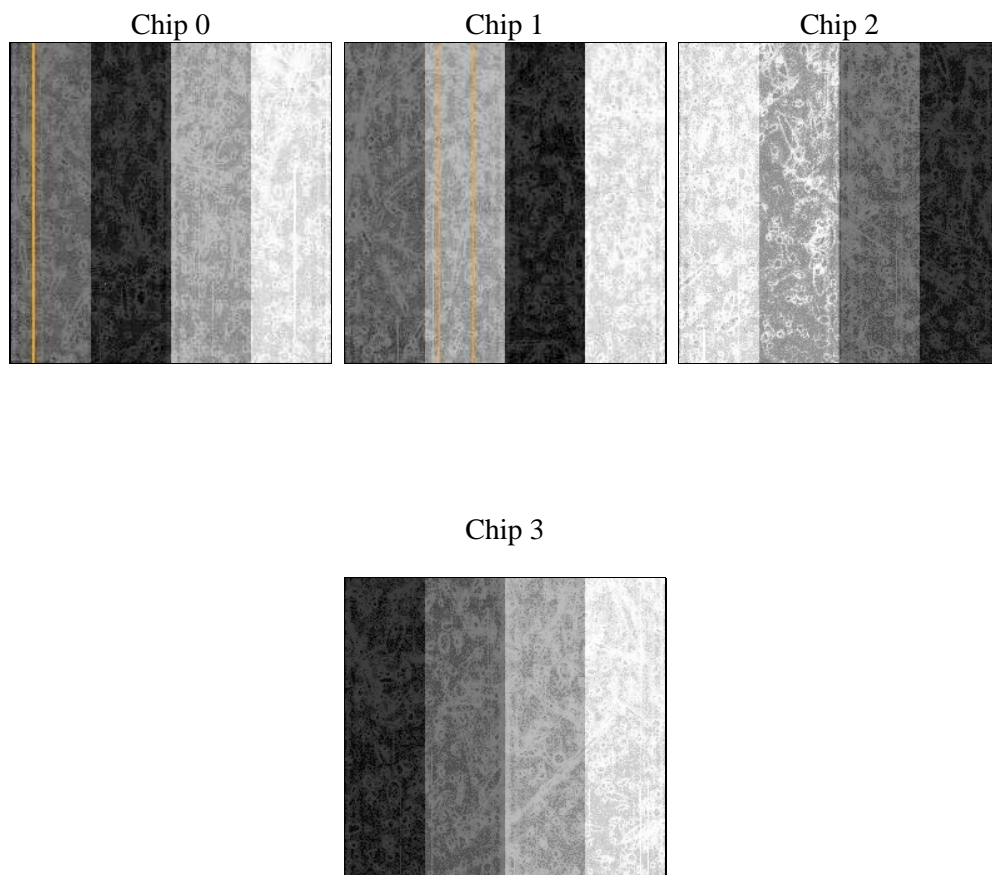
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1974.7000151873	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1971.55902493	Sum of GTIs [s]
date	2012-02-26T01:17:42	Date and time of file creation	ontime1	1974.7000151873	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1974.7000151873	Sum of GTIs [s]
			ontime3	1974.7000151873	Sum of GTIs [s]
			l1events	45888	Number of level 1 events

2.1.4 Events

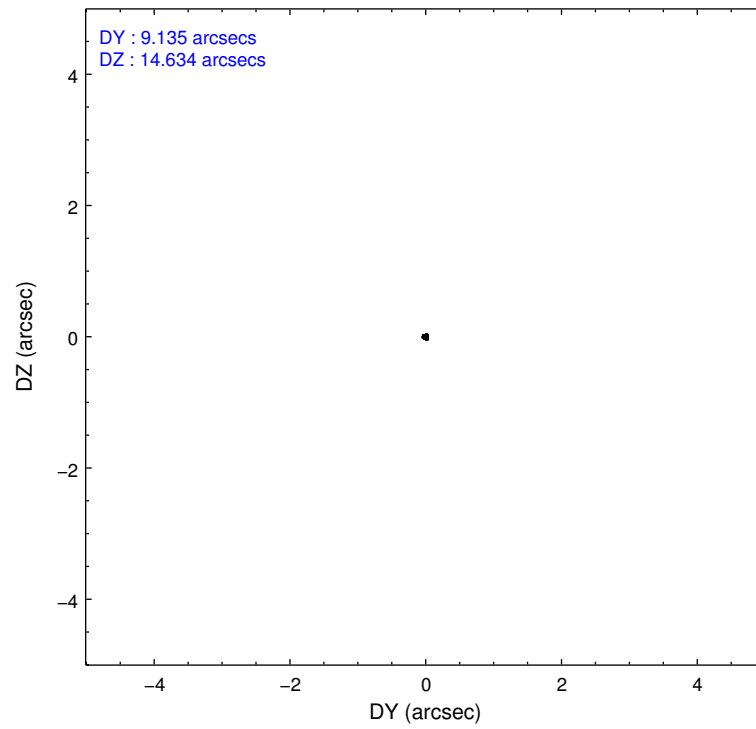
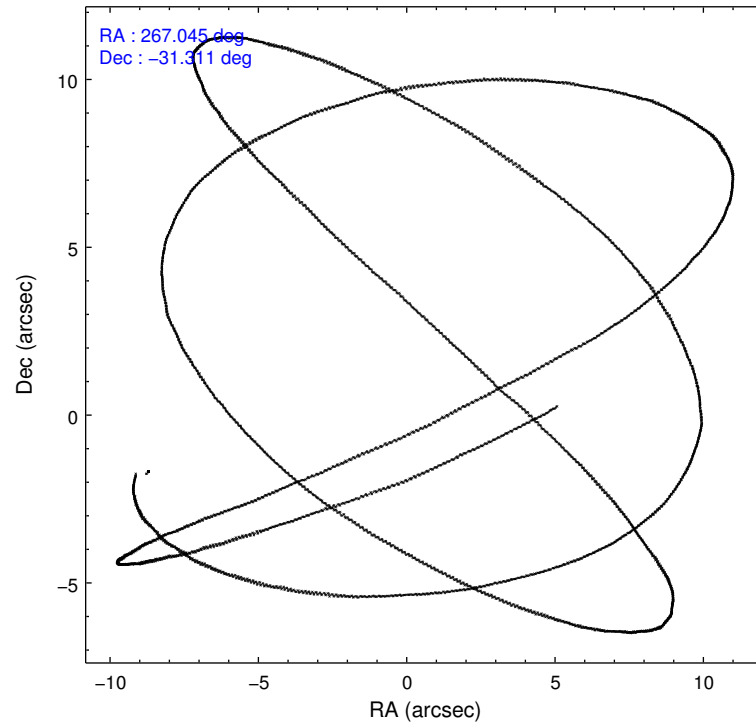
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10379	11389	12240	11880
rejected events	8818	9761	10836	10495
rejected %	84%	85%	88%	88%

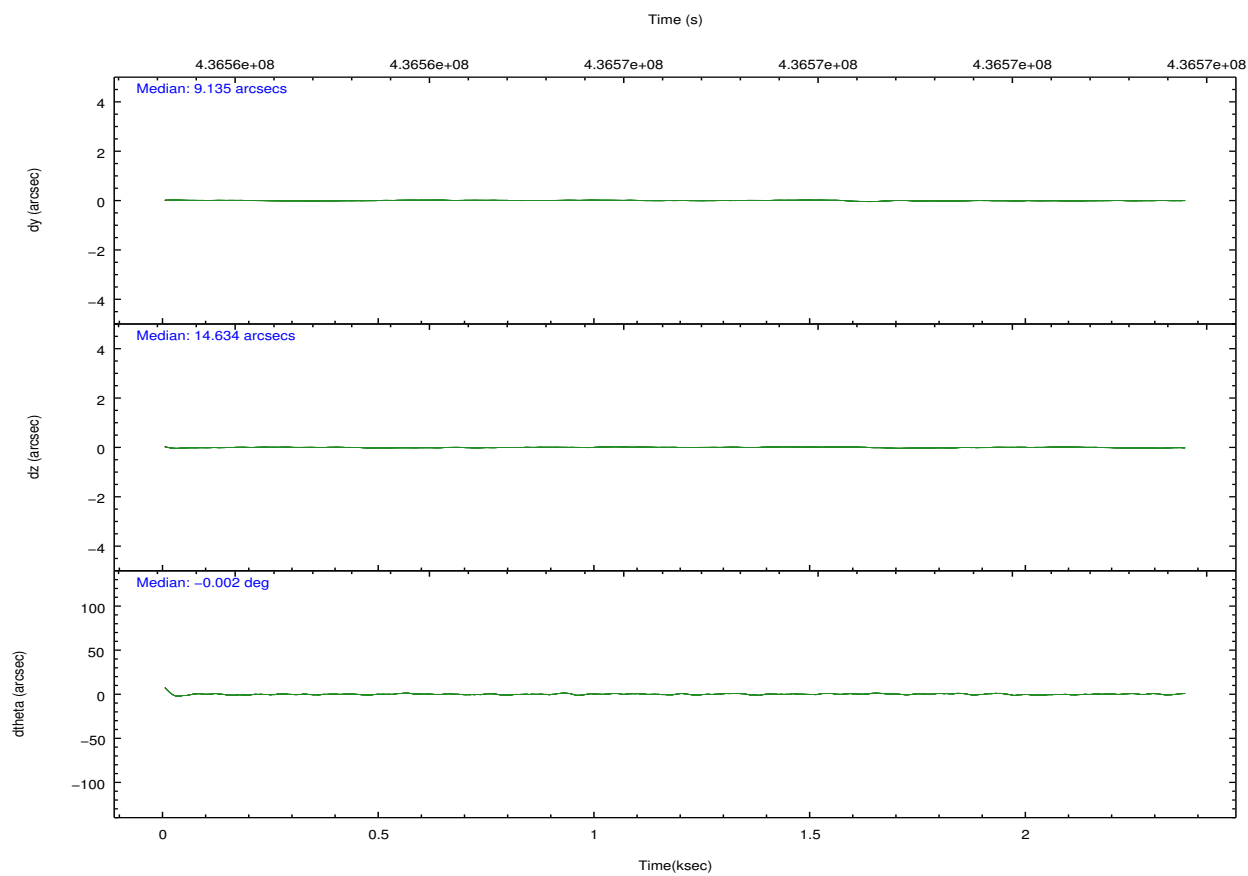
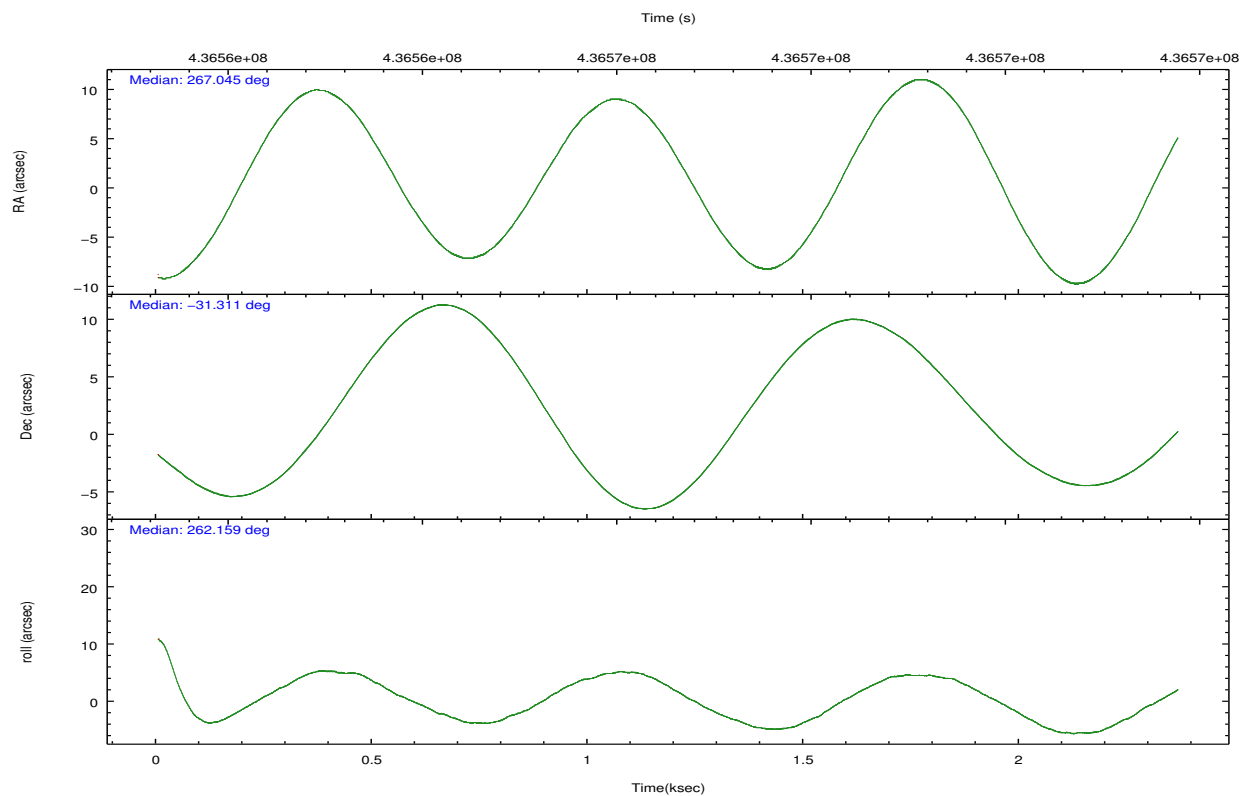
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	607	629	525	585
	5%	5%	4%	4%
grade 1 events	11	5	10	9
	0%	0%	0%	0%
grade 2 events	347	376	345	274
	3%	3%	2%	2%
grade 3 events	174	147	146	130
	1%	1%	1%	1%
grade 4 events	160	165	116	130
	1%	1%	0%	1%
grade 5 events	491	556	482	589
	4%	4%	3%	4%
grade 6 events	276	311	273	269
	2%	2%	2%	2%
grade 7 events	8313	9200	10343	9894
	80%	80%	84%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	267.032693	267.0448004033472	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.284780	-31.31045683961046	Alternating exposures requested	N	N
[deg] Pointing Roll	261.953731	262.1687553936534	[s] Primary exposure time	0.000000	3.1
[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)	436564639.184000	436564243.19668			
Observation start date	2011-11-01T19:56:13	2011-11-01T19:50:43			
[s] Observation end time (MET)	436566819.184000	436566952.78432			
Observation end date	2011-11-01T20:32:33	2011-11-01T20:35:52			
Read mode	TIMED	TIMED			

2.3 Aspect



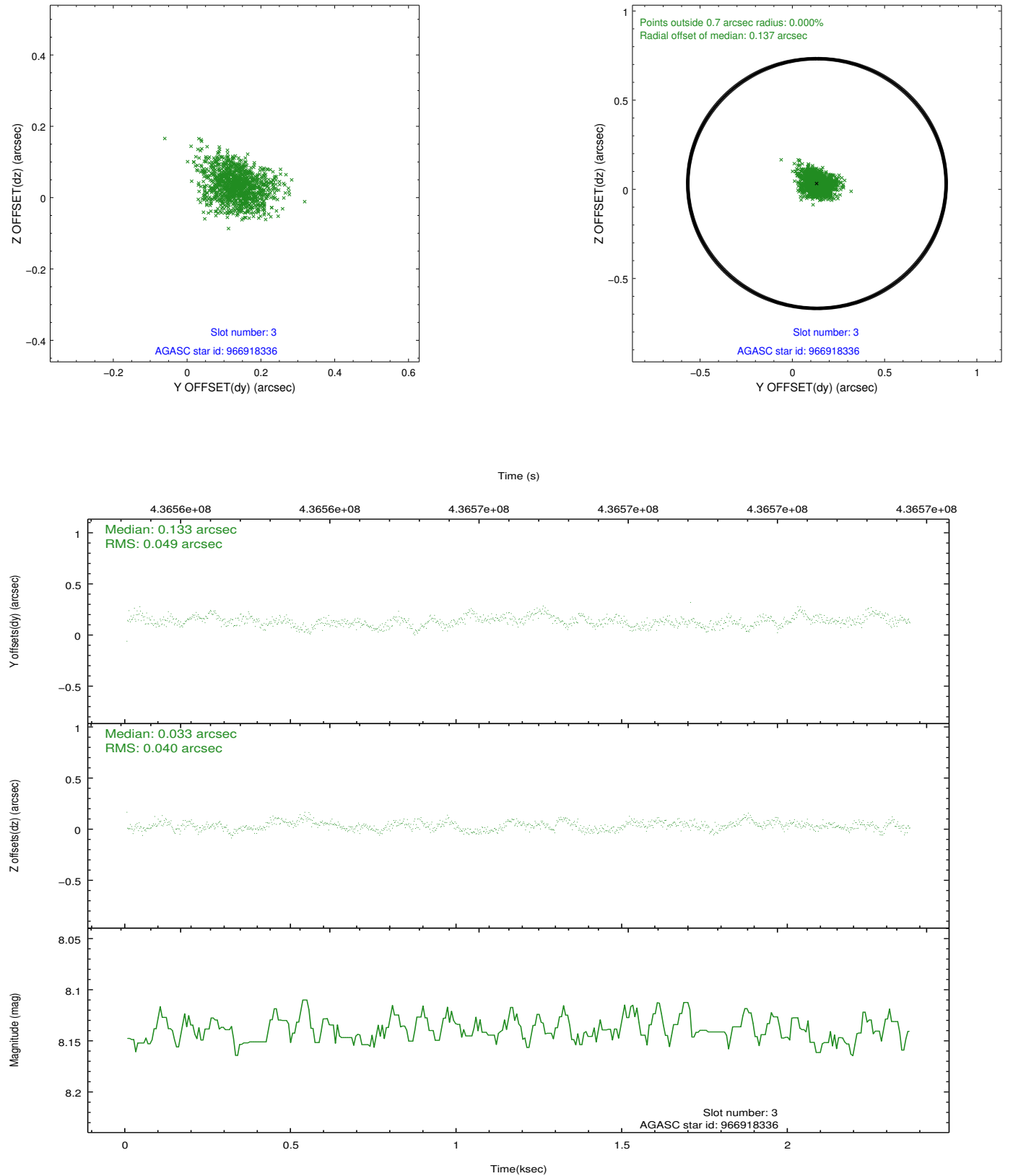


Slot Statistics

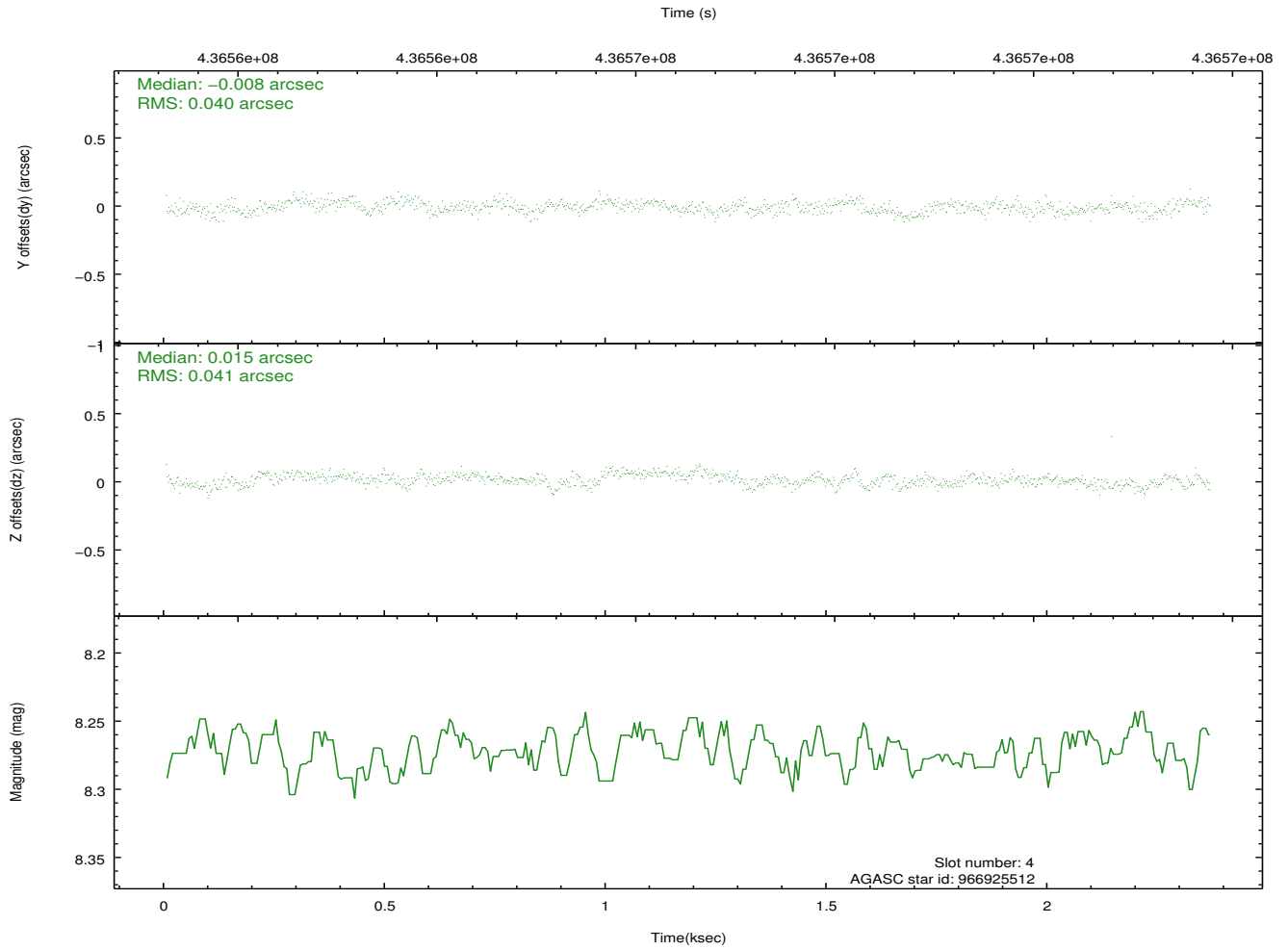
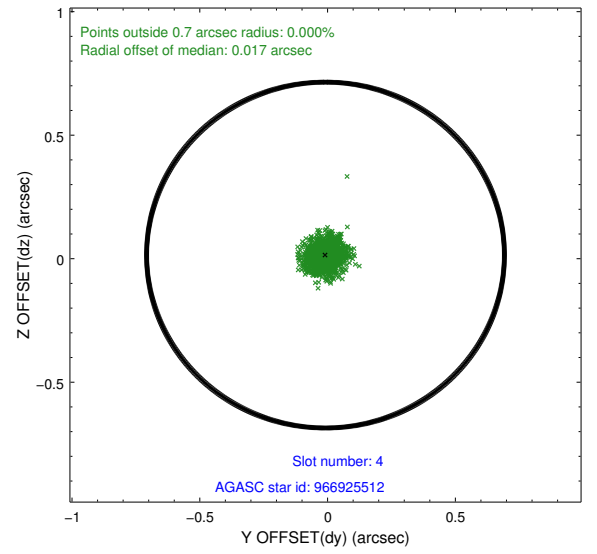
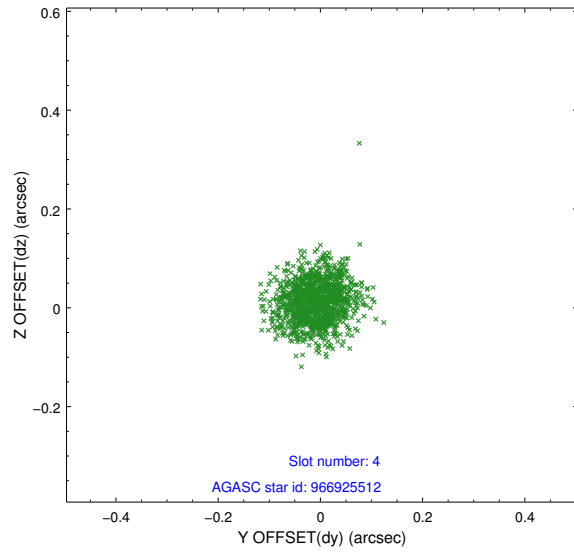
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.94	577	-0.088	-0.082	0.009	0.015	0.000000	0.000000	-763.78	-844.67
1	FID	ACIS-I-4	6.94	577	0.186	0.076	0.005	0.010	0.000000	0.000000	2149.31	1060.27
2	FID	ACIS-I-5	7.01	577	-0.200	0.076	0.009	0.015	0.000000	0.000000	-1814.18	1061.26
3	GUIDE	966918336	8.14	1154	0.133	0.033	0.067	0.109	267.709998	-30.955430	-1461.12	1905.82
4	GUIDE	966925512	8.27	1153	-0.008	0.015	0.060	0.097	266.373606	-31.056700	-523.83	-2124.51
5	GUIDE	967059168	8.45	1154	-0.128	-0.072	0.067	0.110	267.755631	-31.226839	-512.35	2174.07
6	GUIDE	966923376	8.74	1152	0.094	0.047	0.072	0.117	266.333558	-31.111316	-310.52	-2217.57
7	GUIDE	966925632	8.92	1153	-0.091	-0.017	0.085	0.138	266.388610	-30.982191	-794.66	-2121.57

2.4 Star Slots

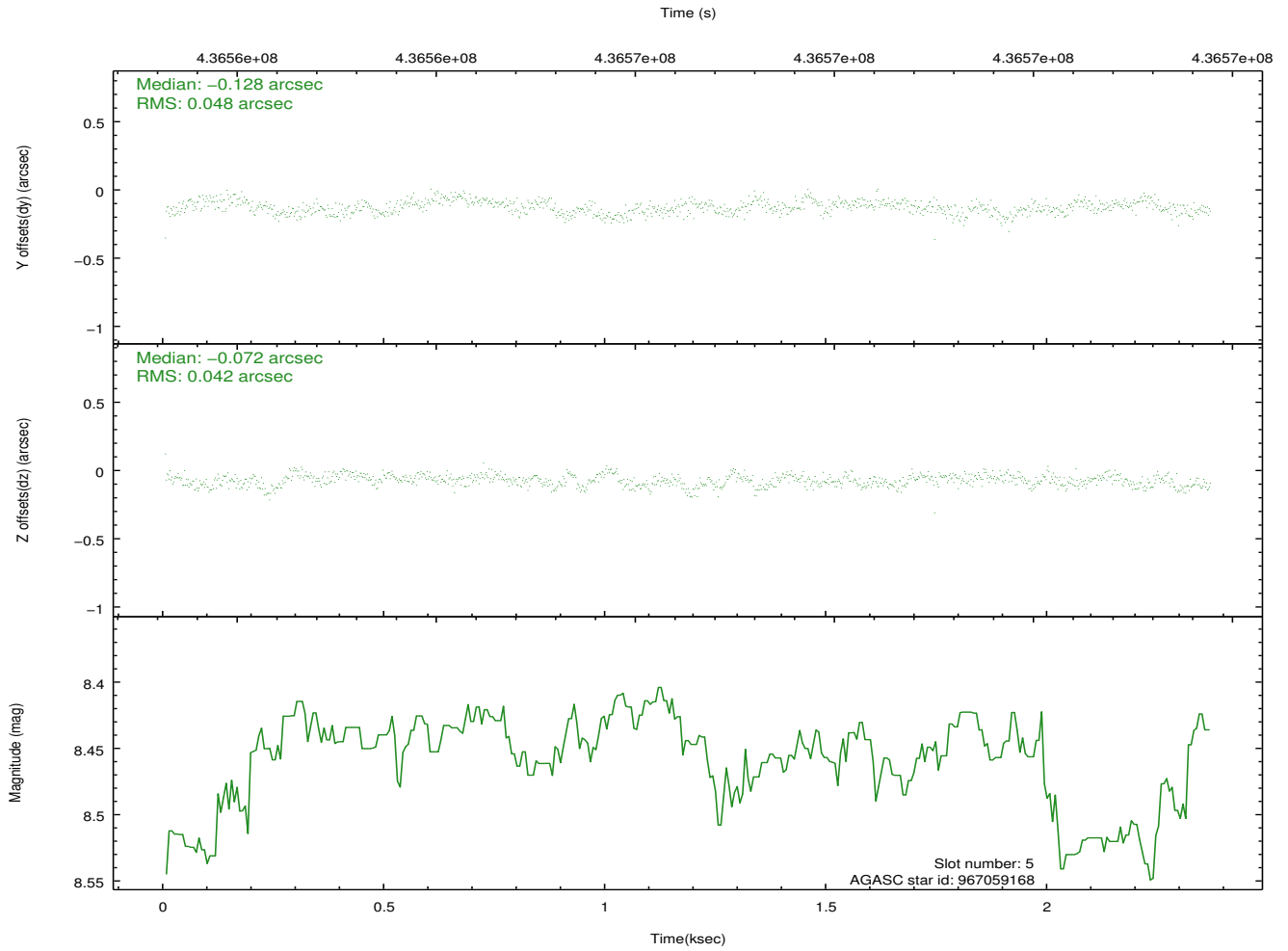
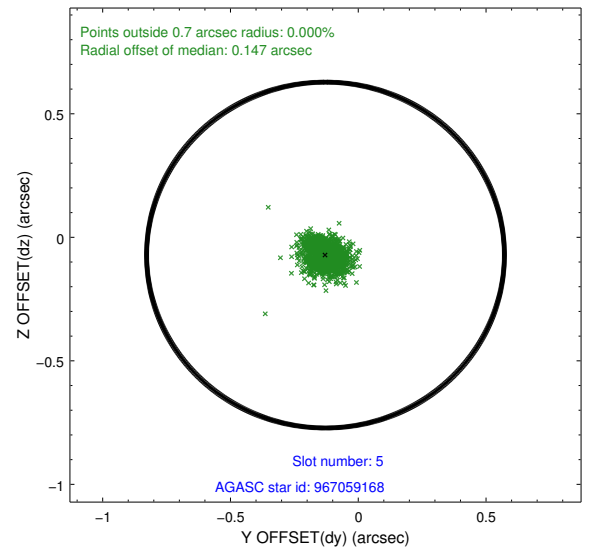
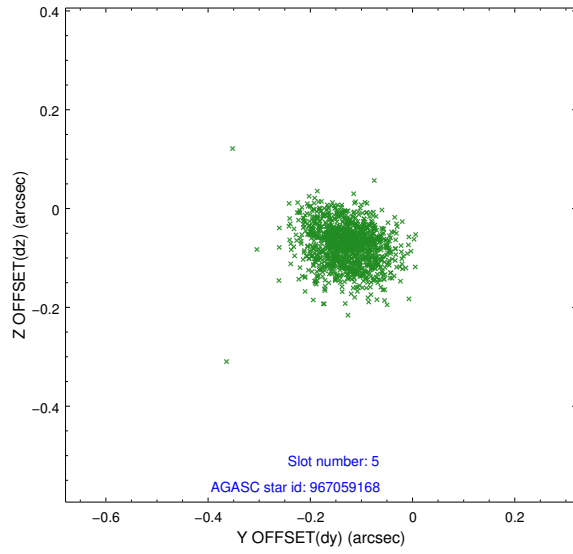
2.4.1 Slot 3



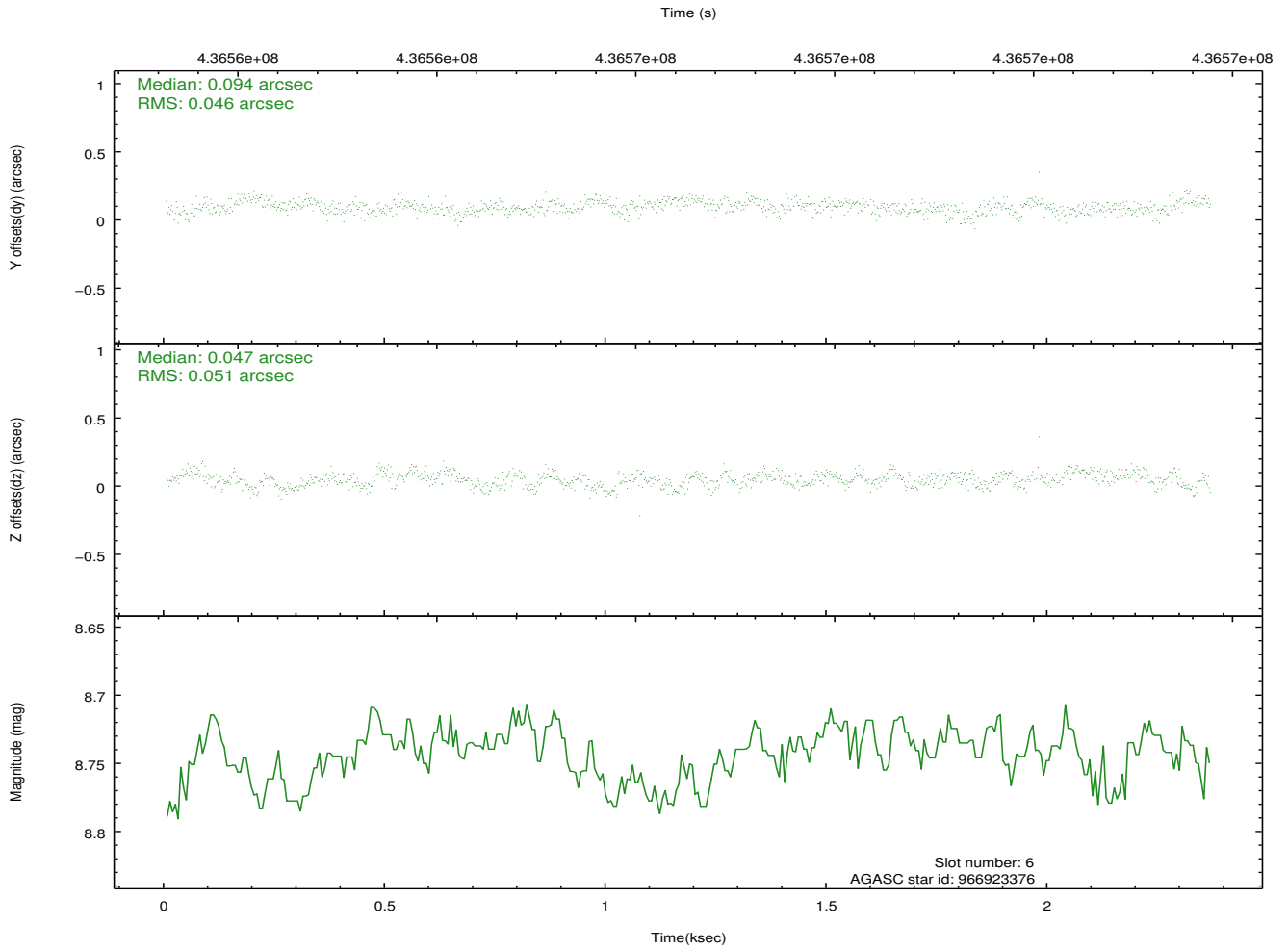
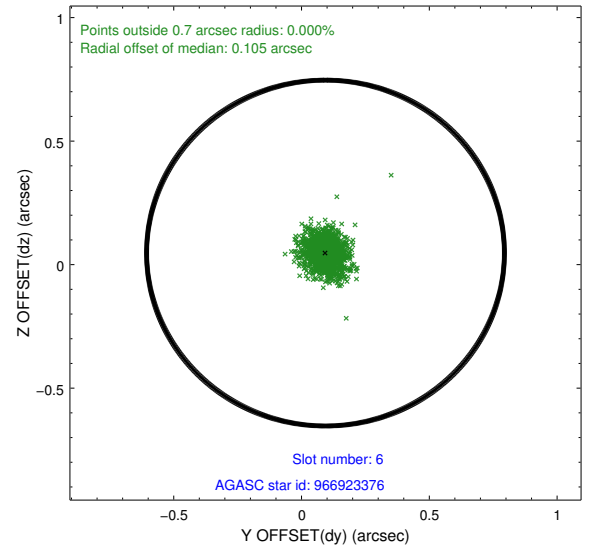
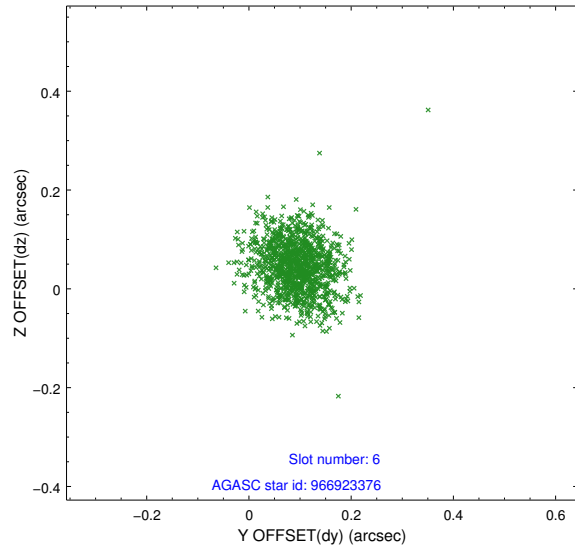
2.4.2 Slot 4



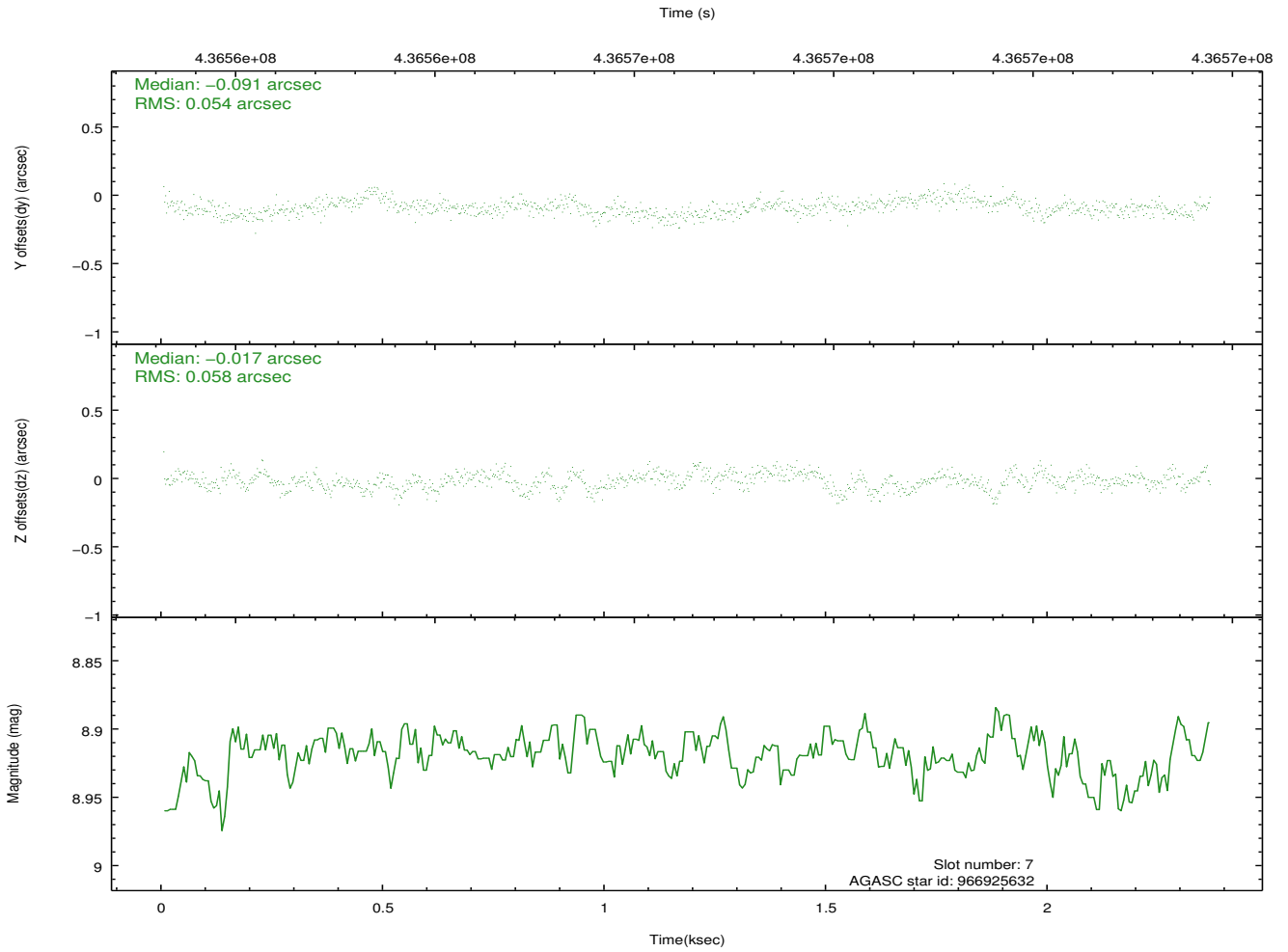
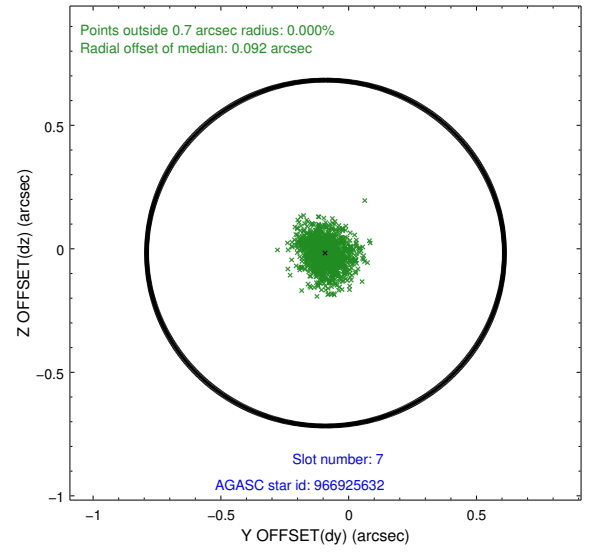
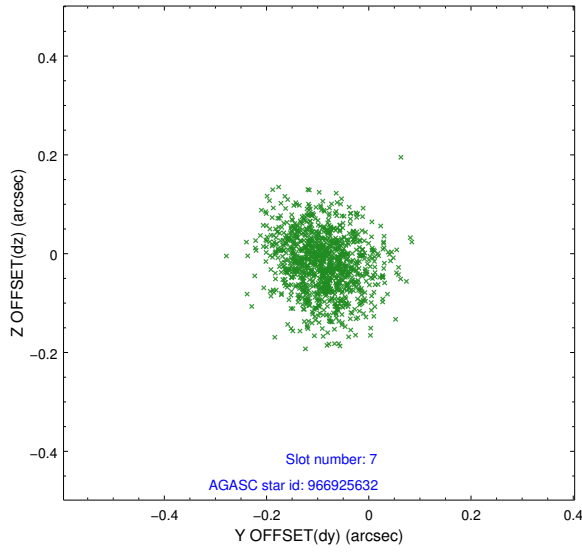
2.4.3 Slot 5



2.4.4 Slot 6

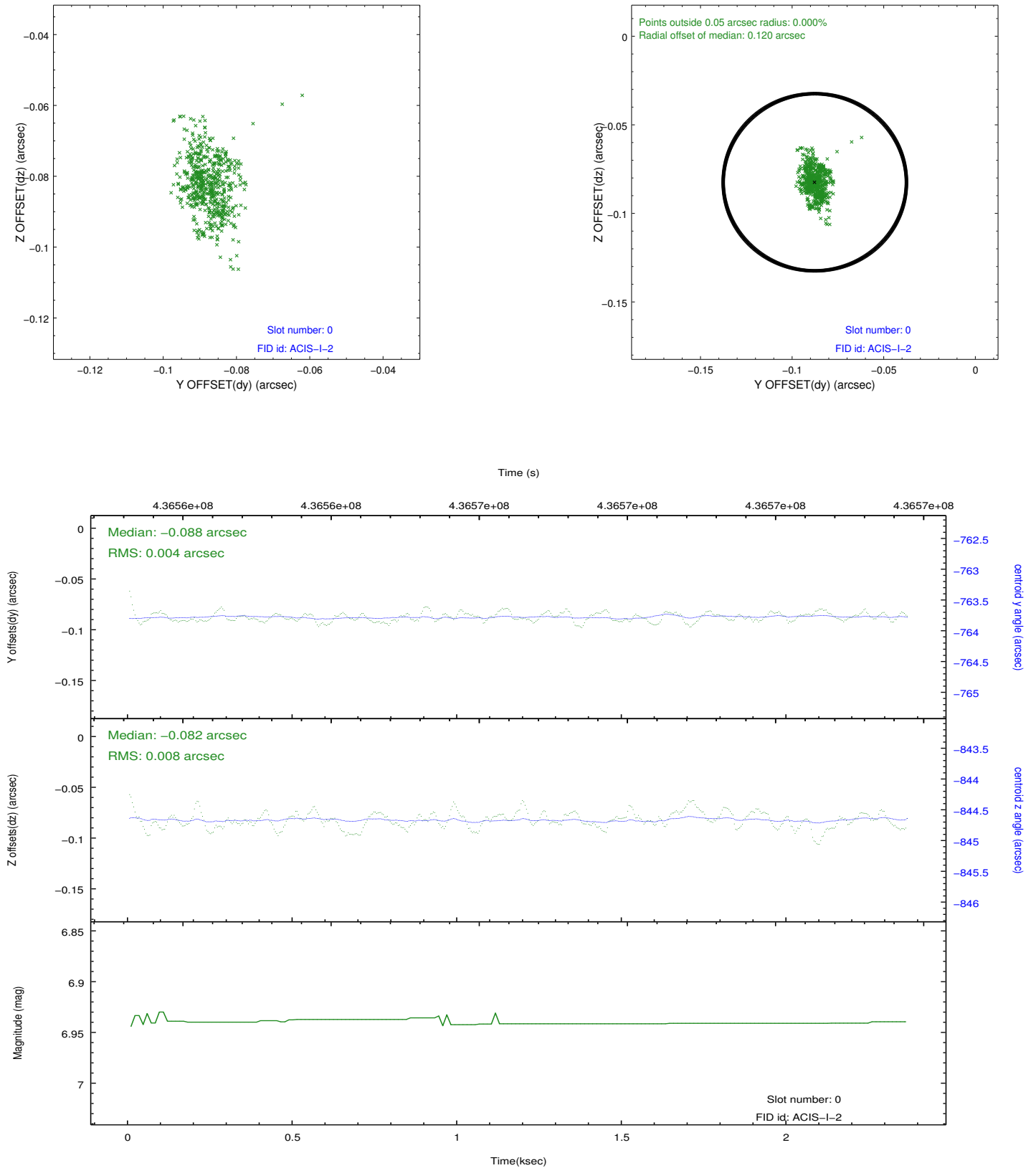


2.4.5 Slot 7

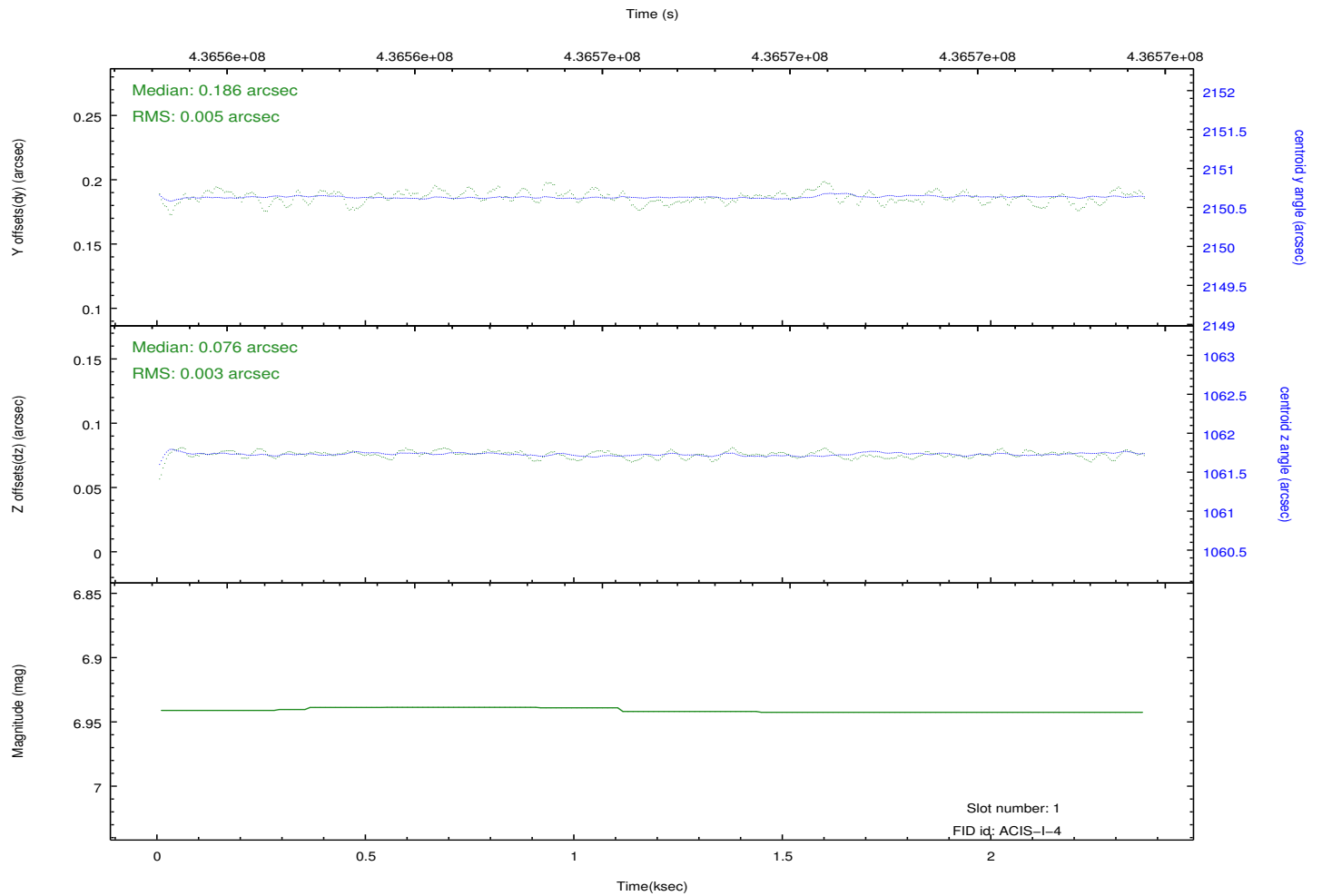
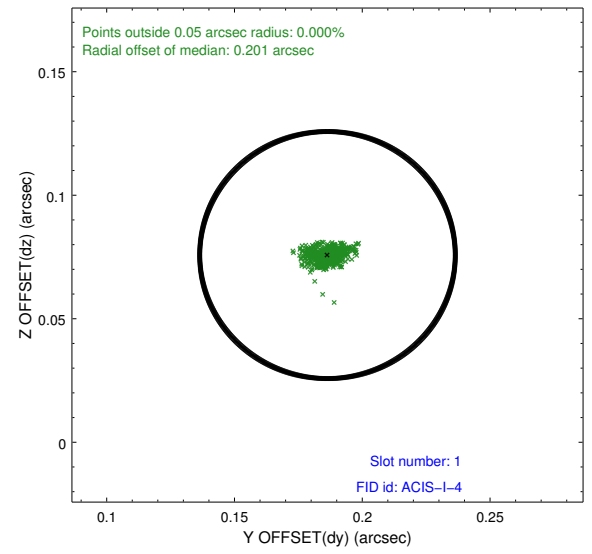
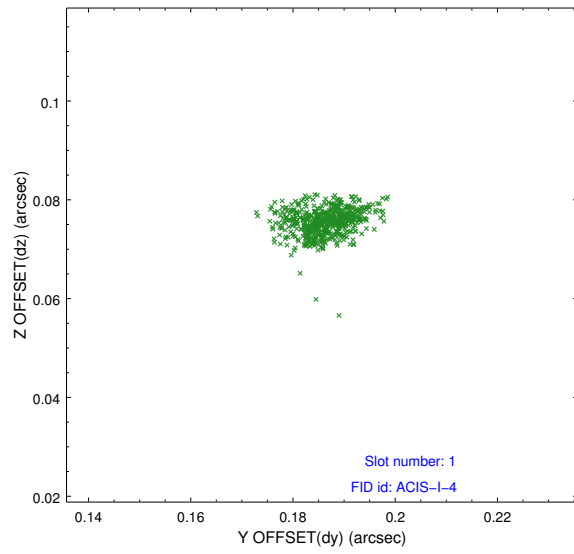


2.5 FID Slots

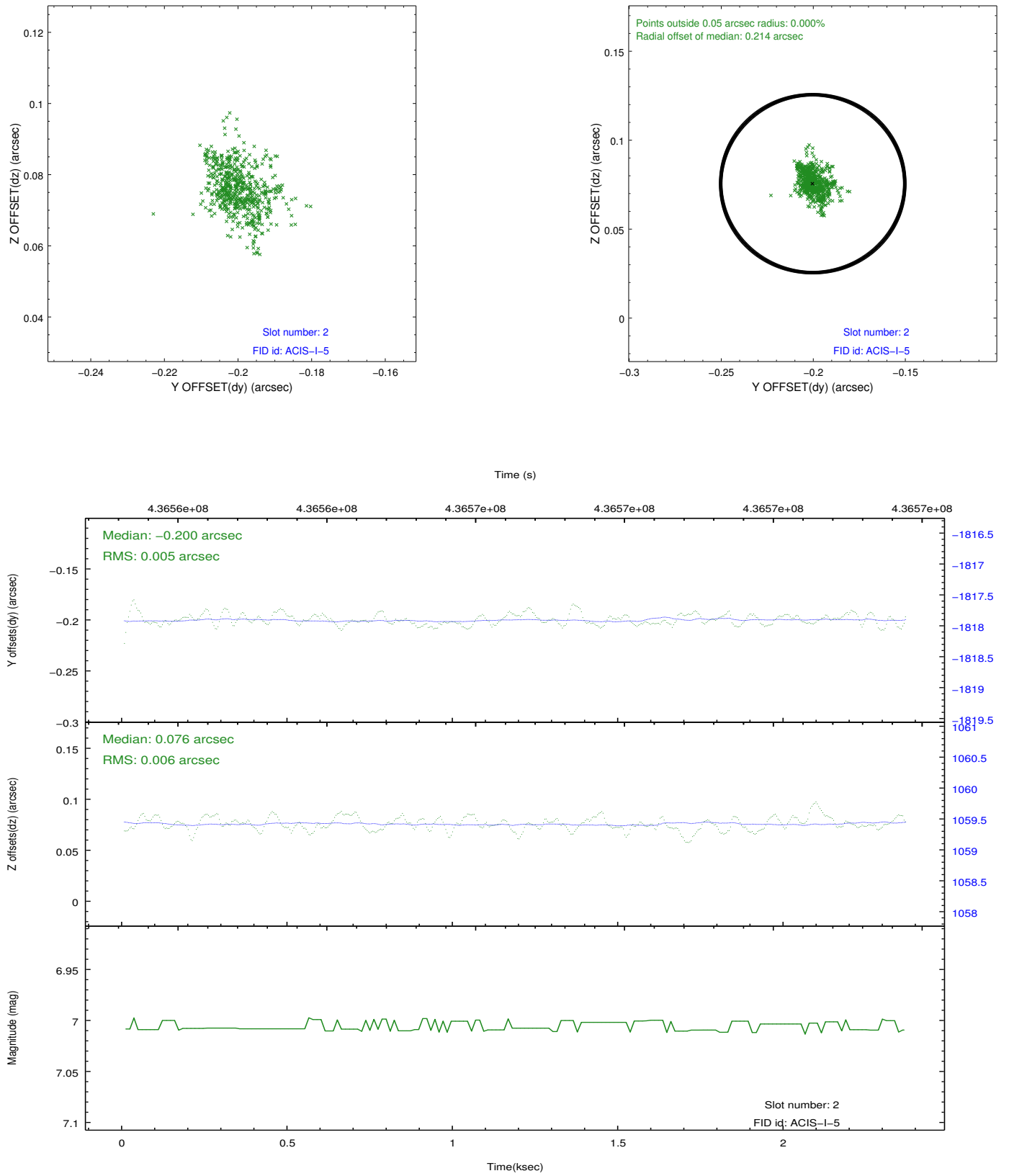
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9747000151873

A.2 Comments

Joint proposal with NOAO.