

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13542 - L2 Version 2
Chandra X-Ray Center

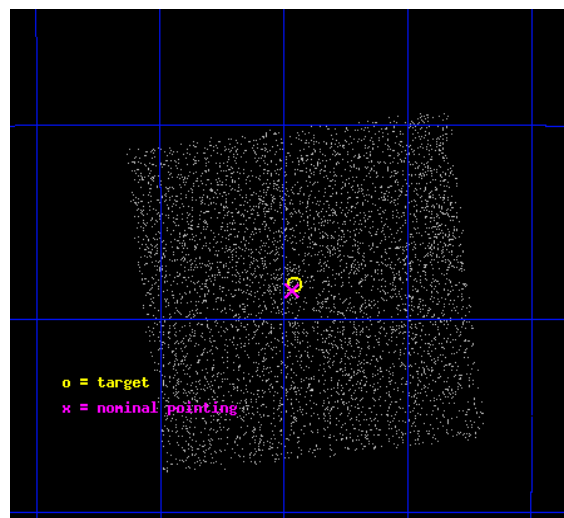
L2 Processing Date : Feb 25 2012

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1 Front

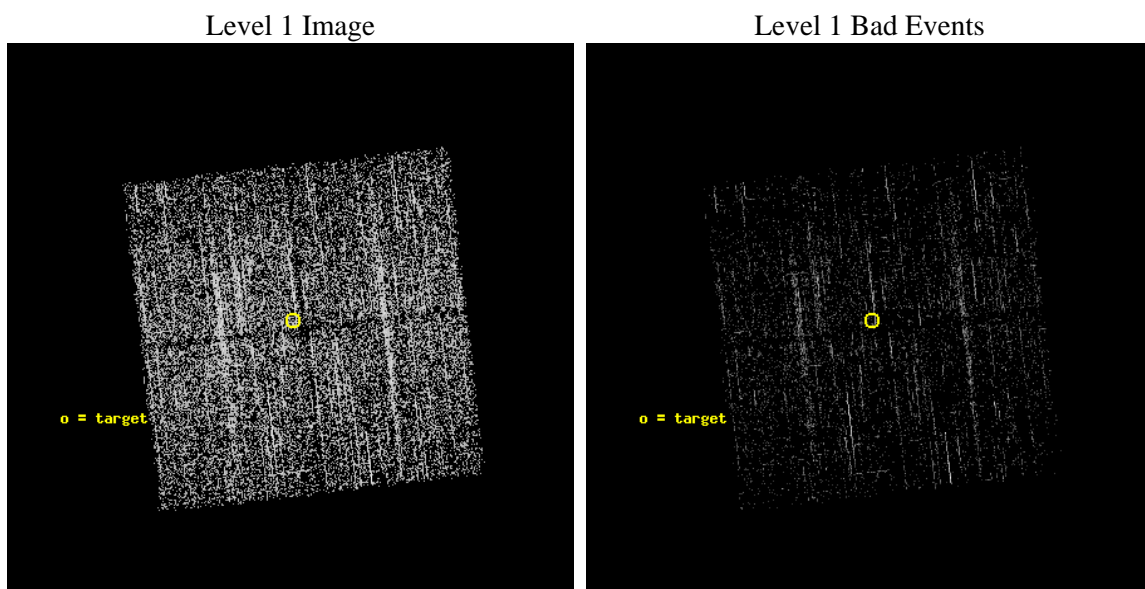
seq_num	401318	Sequence number
obs_id	13542	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.74009	Observer's specified target RA [deg]
dec_targ	-30.303995	Observer's specified target Dec [deg]
ra_nom	267.74228360712	Nominal RA [deg]
dec_nom	-30.309225913095	Nominal Dec [deg]
roll_nom	263.52489739957	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1971.6000151634	Sum of GTIs [s]
livetime	1945.8396094945	Livetime [s]
ontime0	1971.6000151634	Sum of GTIs [s]
ontime1	1971.6000151634	Sum of GTIs [s]
ontime2	1971.6000151634	Sum of GTIs [s]
ontime3	1971.6000151634	Sum of GTIs [s]
l2events	5798	Number of level 2 events



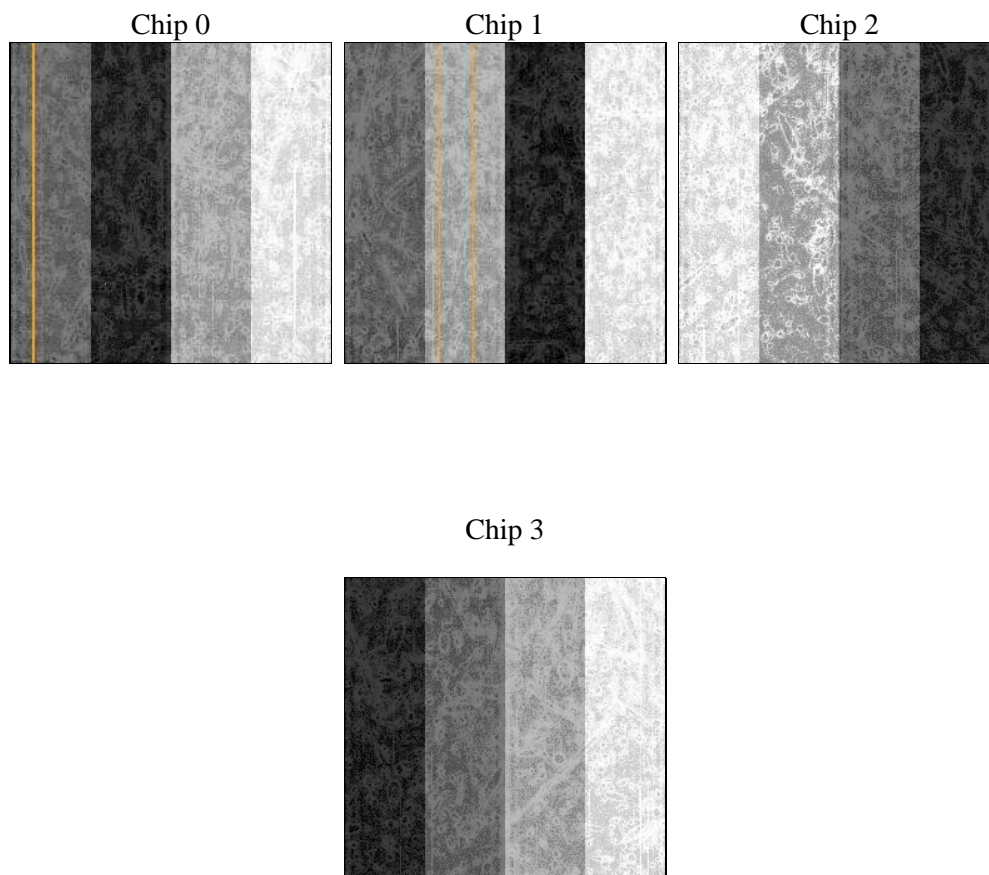
2 OBI

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	1971.6000151634	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1971.6000151634	Sum of GTIs [s]
date	2012-02-26T01:05:23	Date and time of file creation	ontime1	1971.6000151634	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1971.6000151634	Sum of GTIs [s]
			ontime3	1971.6000151634	Sum of GTIs [s]
			l1events	47261	Number of level 1 events

2.1.4 Events

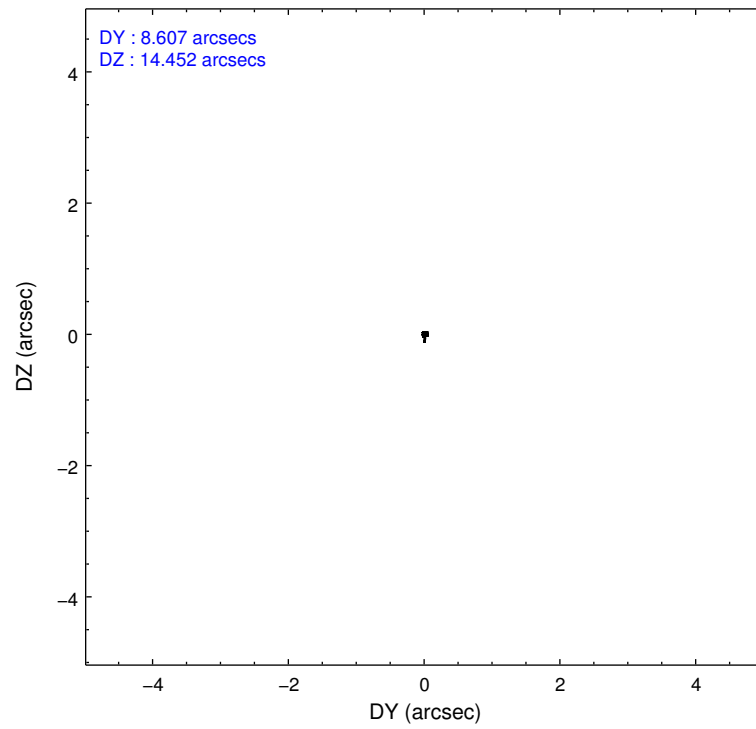
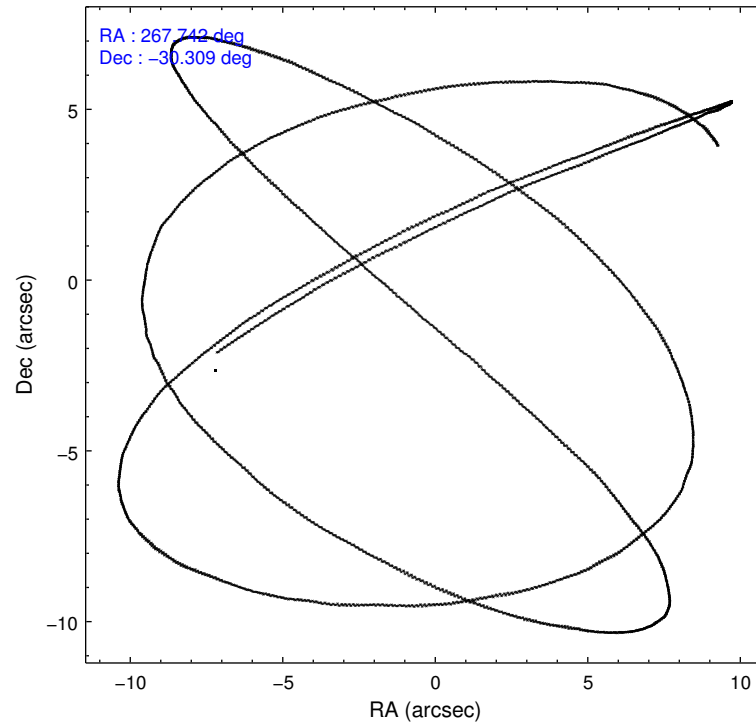
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11229	11801	11872	12359
rejected events	9565	9901	10317	10696
rejected %	85%	83%	86%	86%

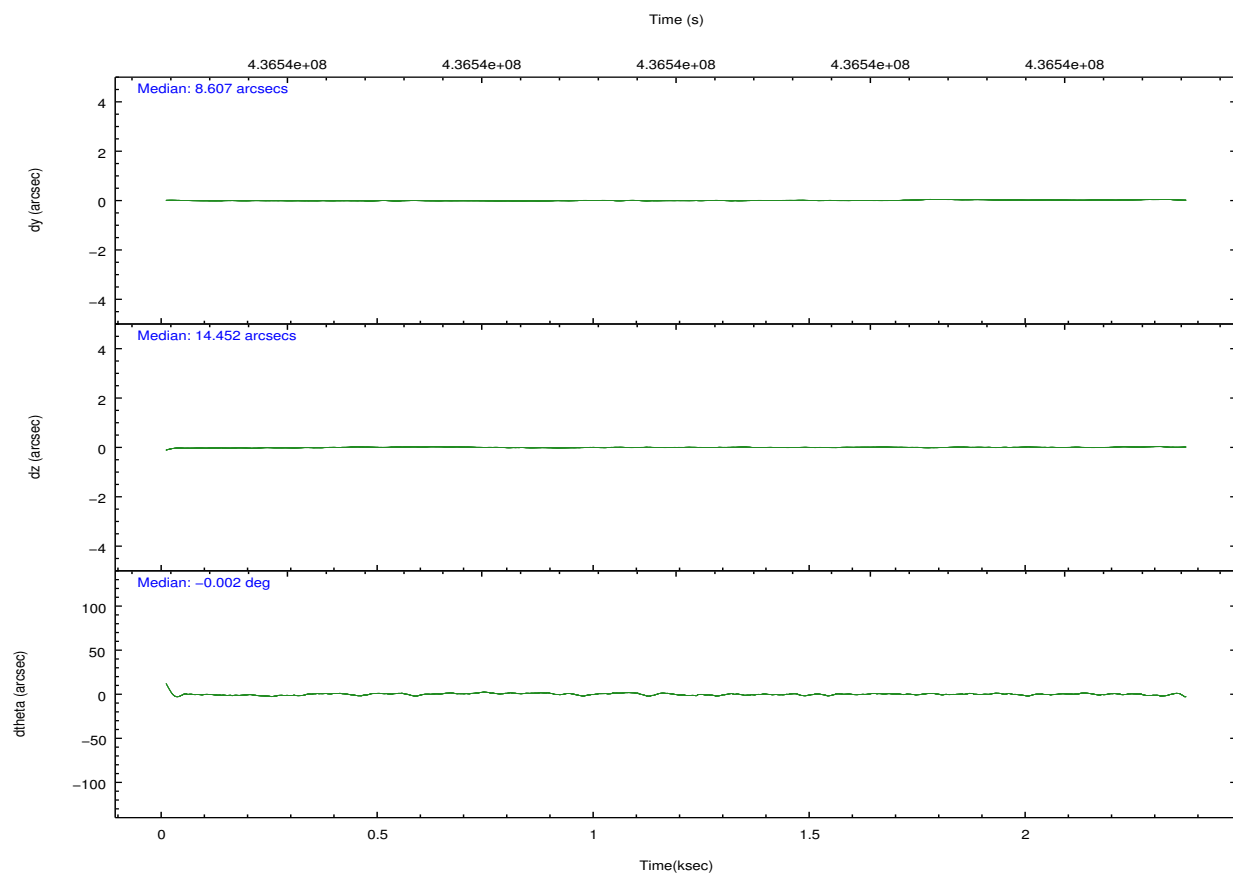
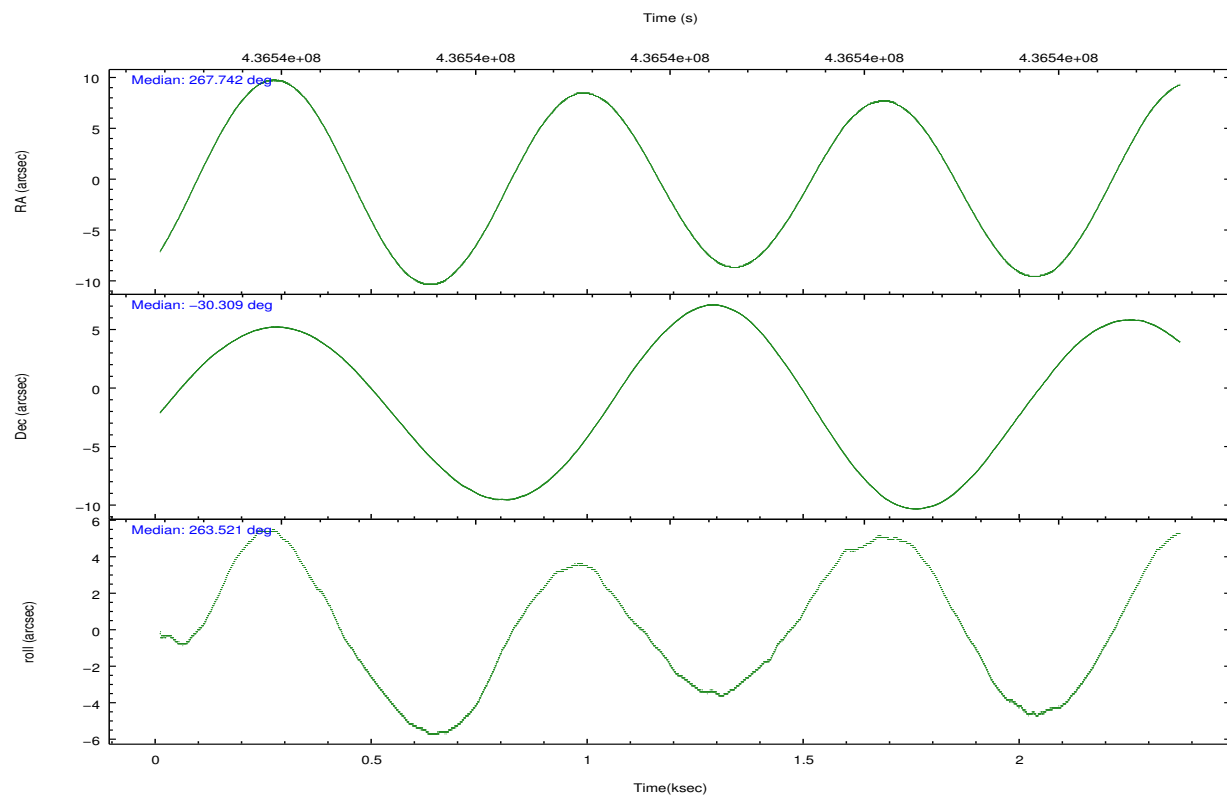
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	706	840	701	771
	6%	7%	5%	6%
grade 1 events	2	6	6	7
	0%	0%	0%	0%
grade 2 events	363	434	334	338
	3%	3%	2%	2%
grade 3 events	165	159	139	141
	1%	1%	1%	1%
grade 4 events	149	151	144	161
	1%	1%	1%	1%
grade 5 events	517	528	519	575
	4%	4%	4%	4%
grade 6 events	290	319	242	254
	2%	2%	2%	2%
grade 7 events	9037	9364	9787	10112
	80%	79%	82%	81%

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	267.729349	267.7422836071235	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.284283	-30.30922591309506	Alternating exposures requested	N	N
[deg] Pointing Roll	263.309702	263.5248973995716	[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)	436535009.184000	436534632.48262			
Observation start date	2011-11-01T11:42:23	2011-11-01T11:37:12			
[s] Observation end time (MET)	436537189.184000	436537323.10777			
Observation end date	2011-11-01T12:18:43	2011-11-01T12:22:03			
Read mode	TIMED	TIMED			

2.3 Aspect



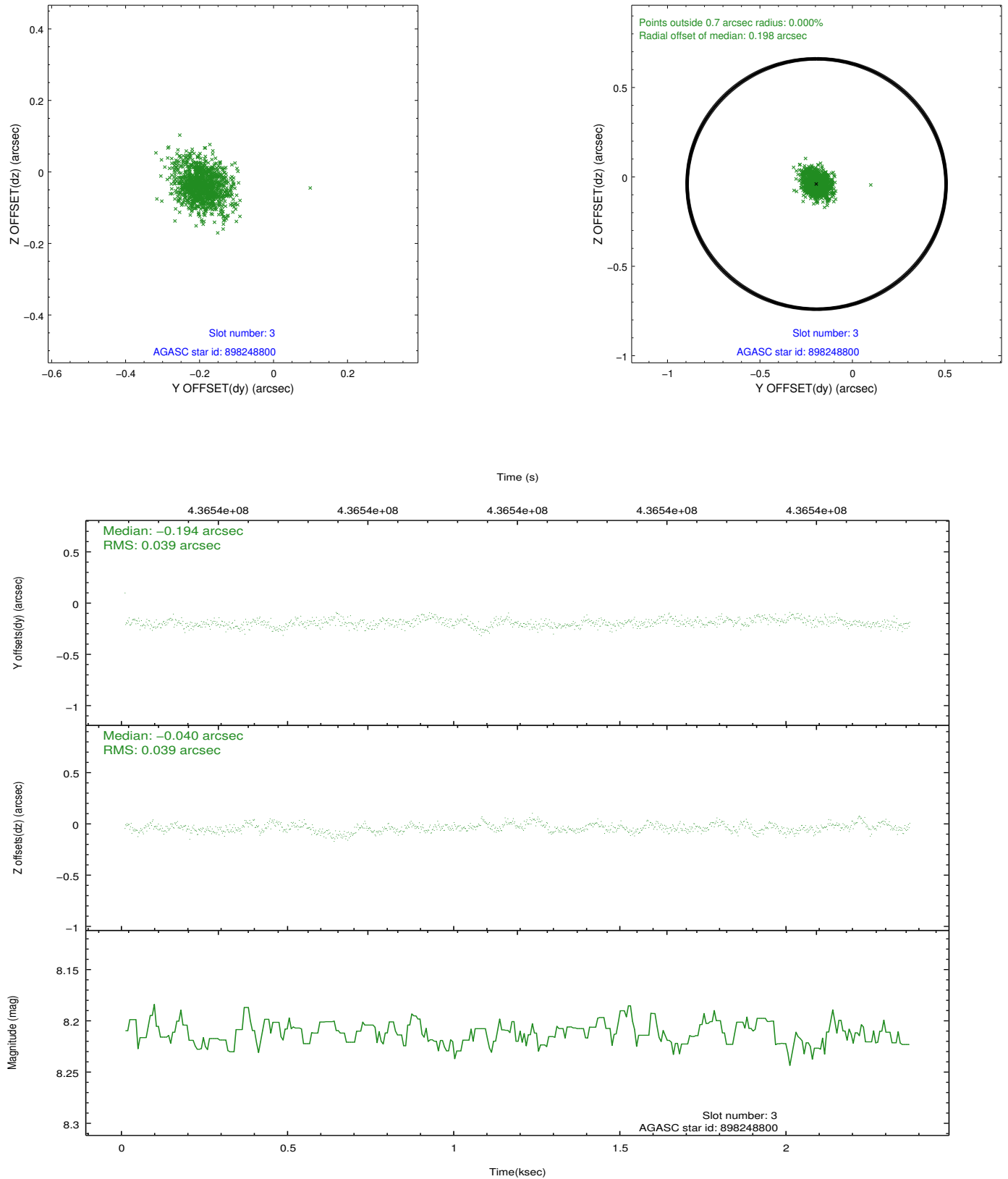


Slot Statistics

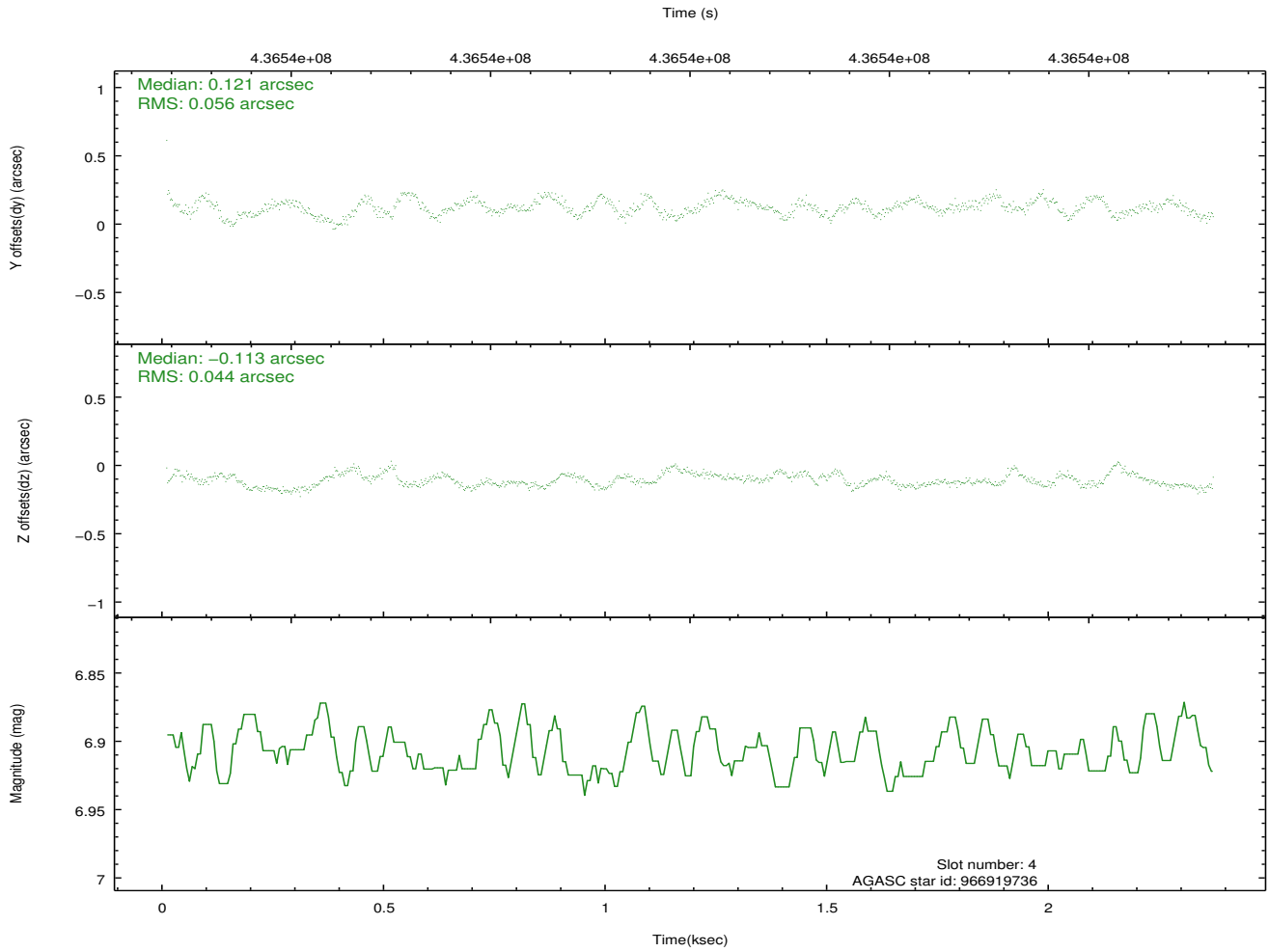
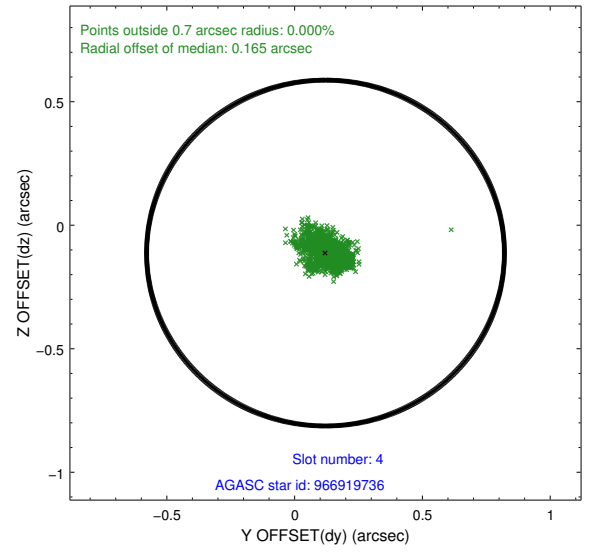
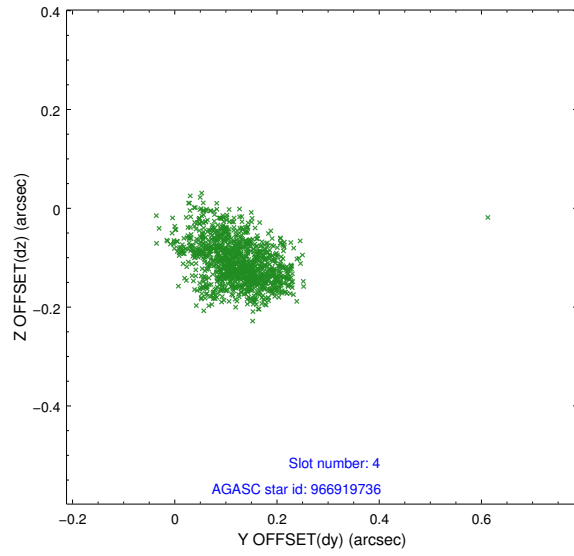
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	576	-0.016	0.055	0.009	0.015	0.000000	0.000000	931.00	-837.99
1	FID	ACIS-I-2	6.94	575	-0.205	-0.096	0.007	0.011	0.000000	0.000000	-761.75	-845.95
2	FID	ACIS-I-4	6.94	576	0.123	0.108	0.006	0.011	0.000000	0.000000	2149.79	1060.47
3	GUIDE	898248800	8.21	1153	-0.194	-0.040	0.057	0.099	267.977609	-29.931731	-1348.90	621.31
4	GUIDE	966919736	6.91	1153	0.121	-0.113	0.076	0.117	267.322278	-30.597445	1269.66	-1120.00
5	GUIDE	966925384	8.16	1153	0.010	0.122	0.066	0.106	267.457106	-30.882477	2240.28	-585.16
6	GUIDE	966926496	8.11	1153	-0.084	-0.065	0.069	0.108	267.109389	-30.299474	287.52	-1907.93
7	GUIDE	967053960	9.25	1146	0.150	0.090	0.096	0.156	268.185736	-30.091336	-851.09	1329.60

2.4 Star Slots

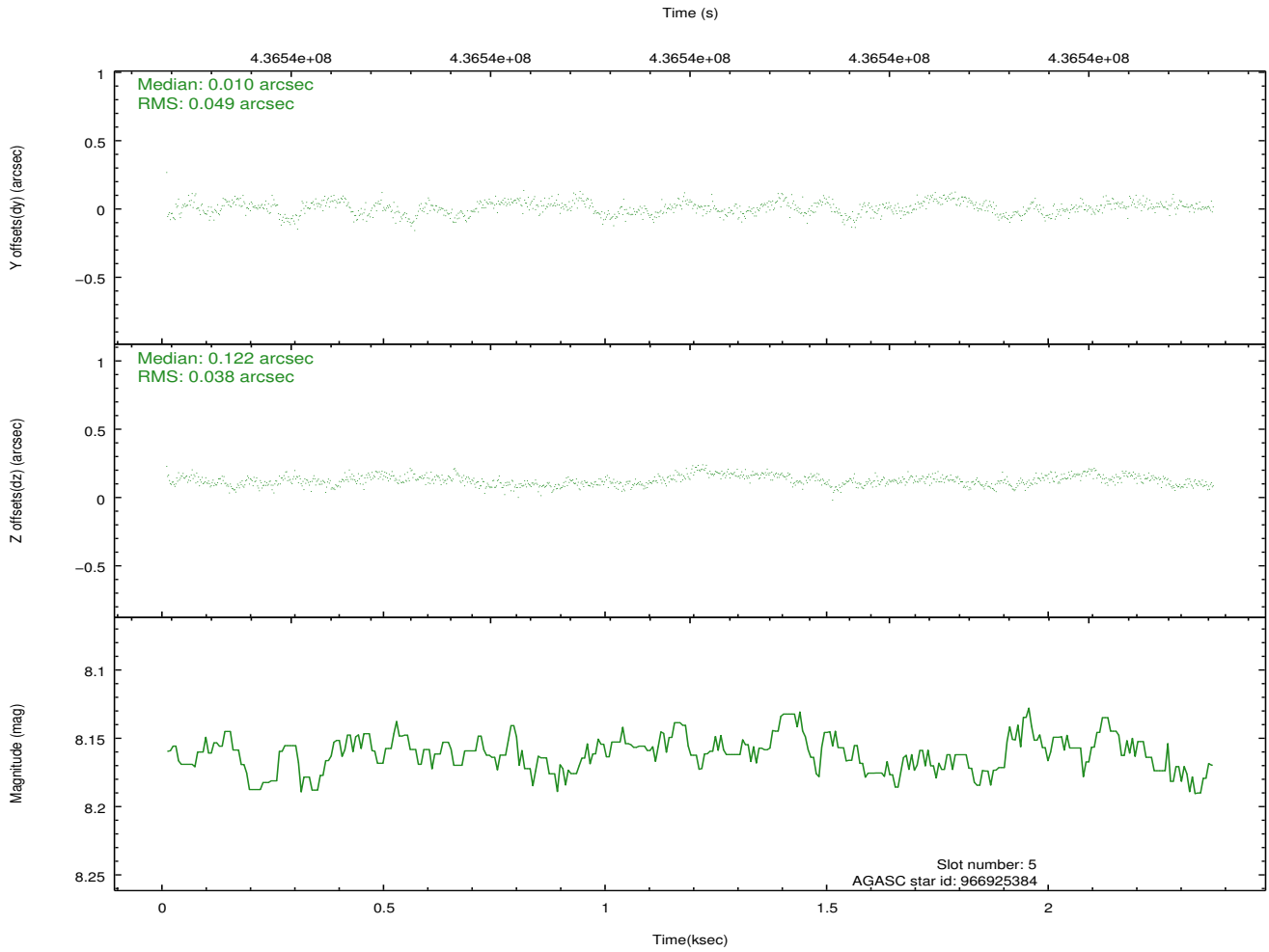
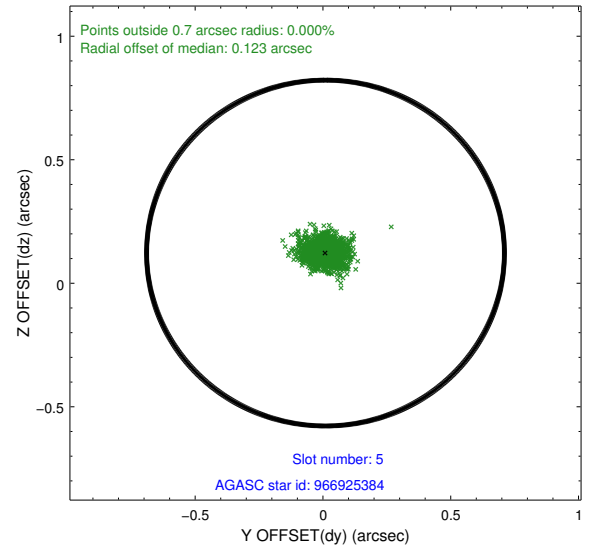
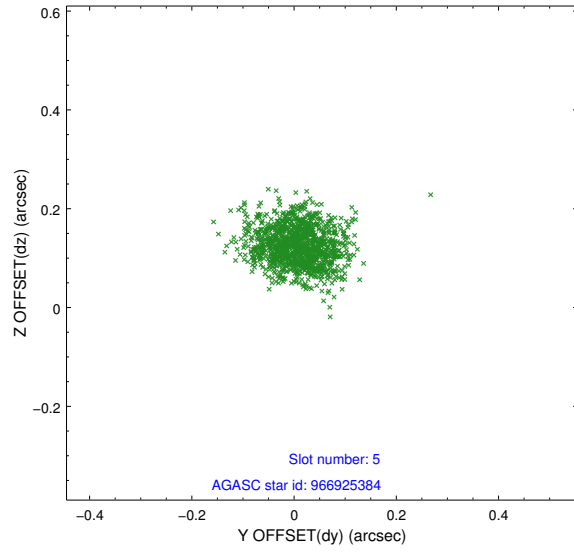
2.4.1 Slot 3



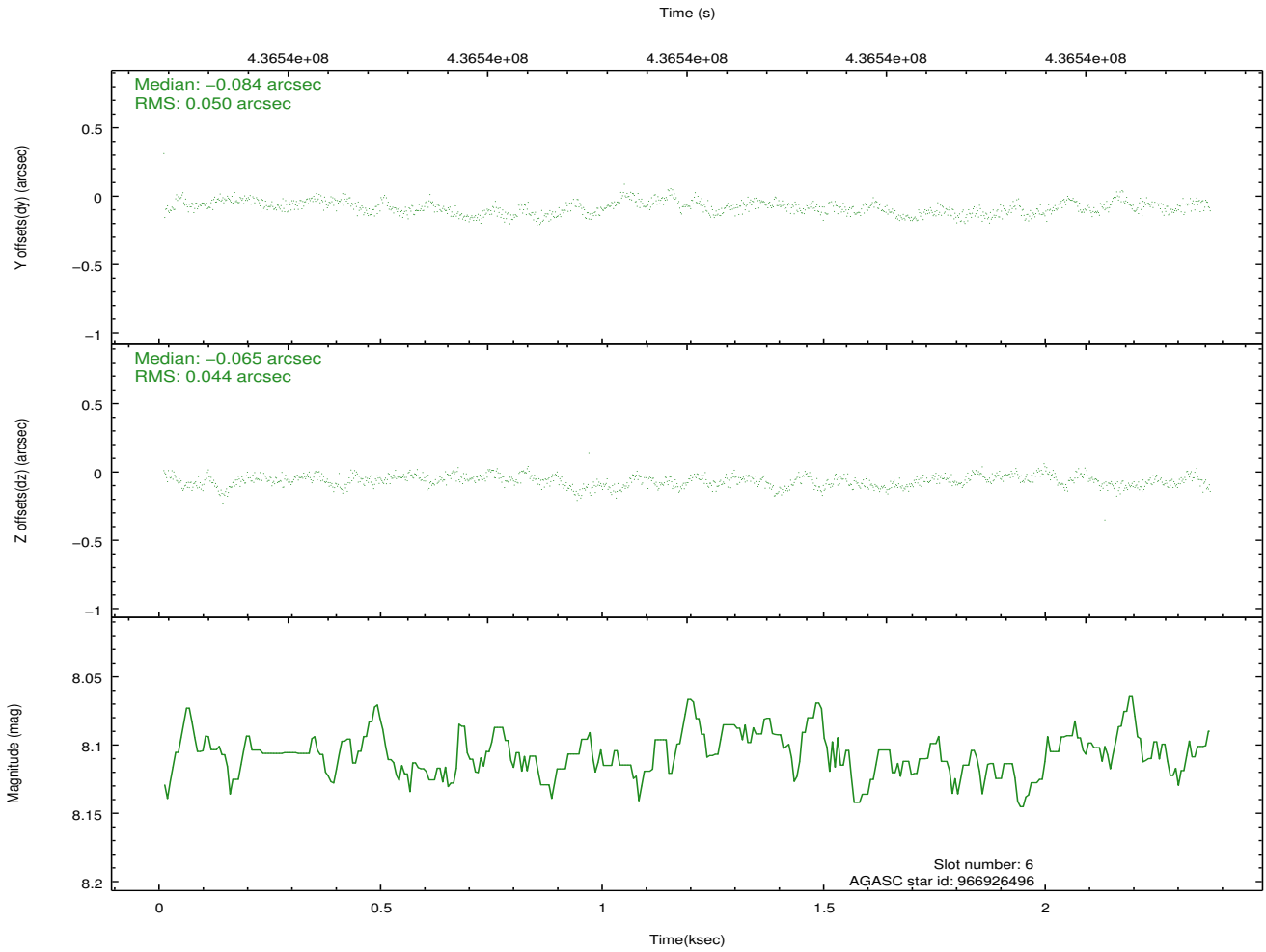
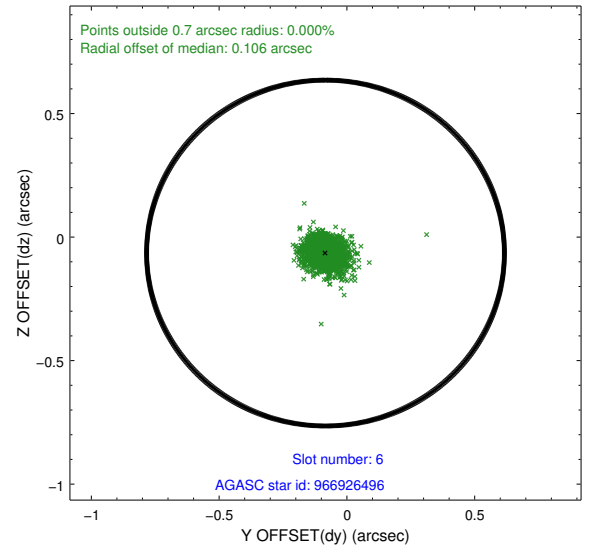
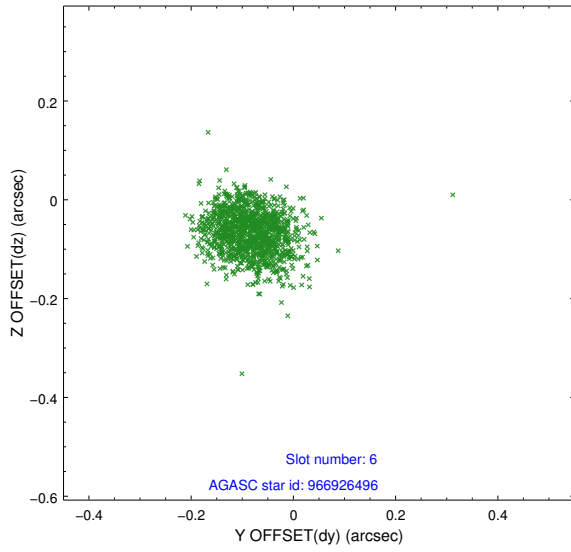
2.4.2 Slot 4



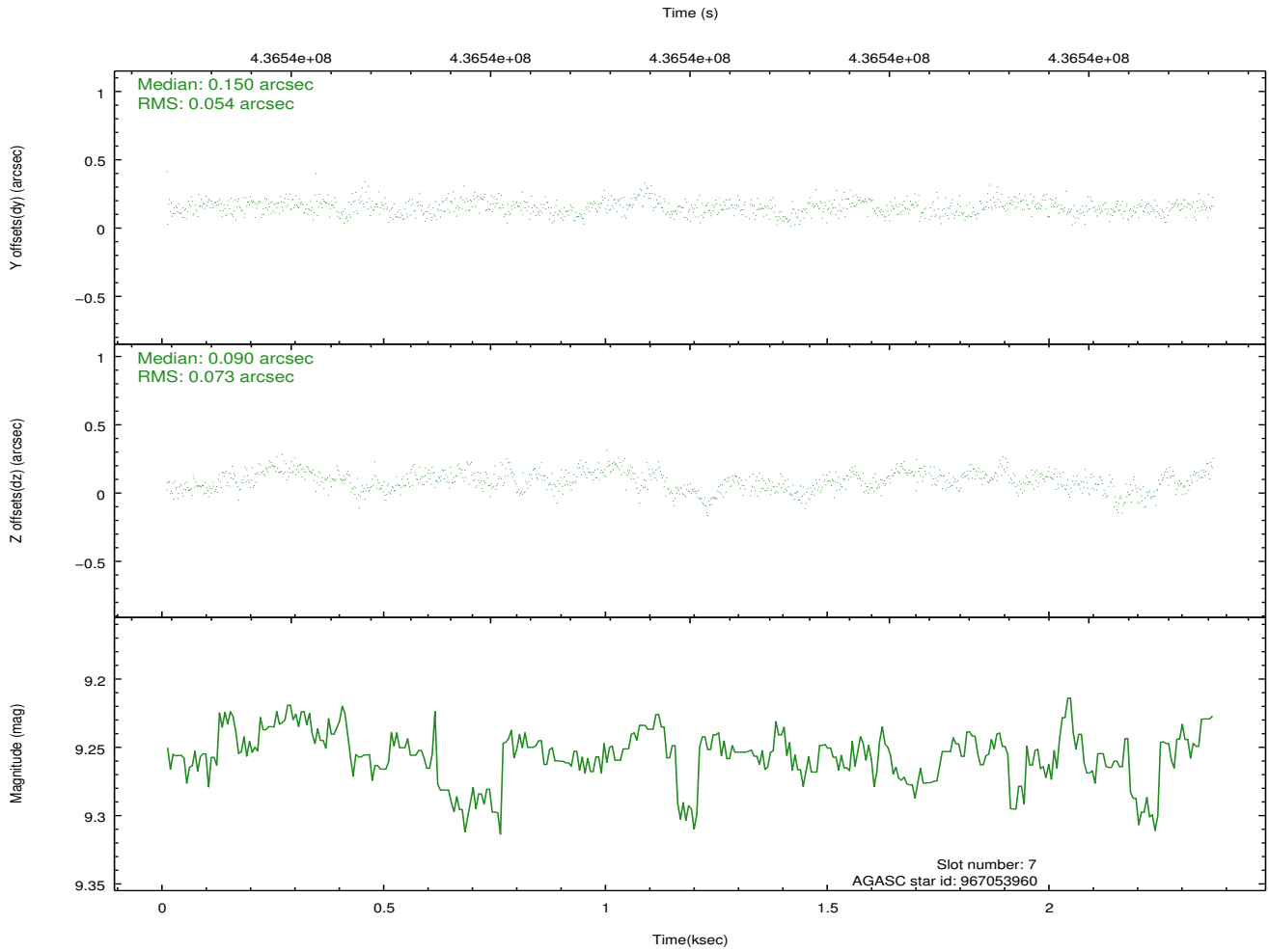
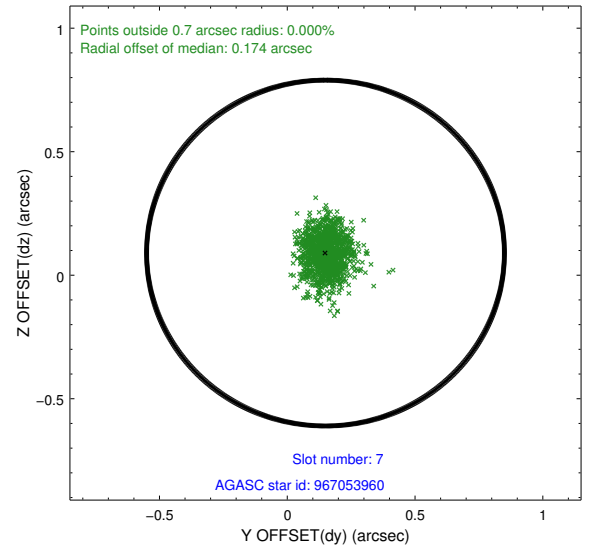
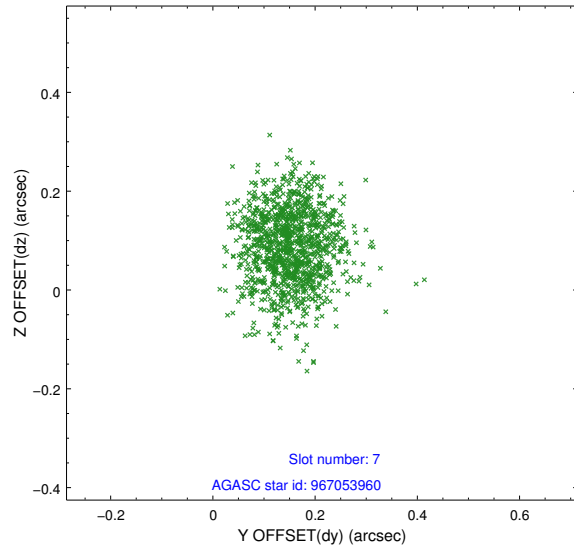
2.4.3 Slot 5



2.4.4 Slot 6

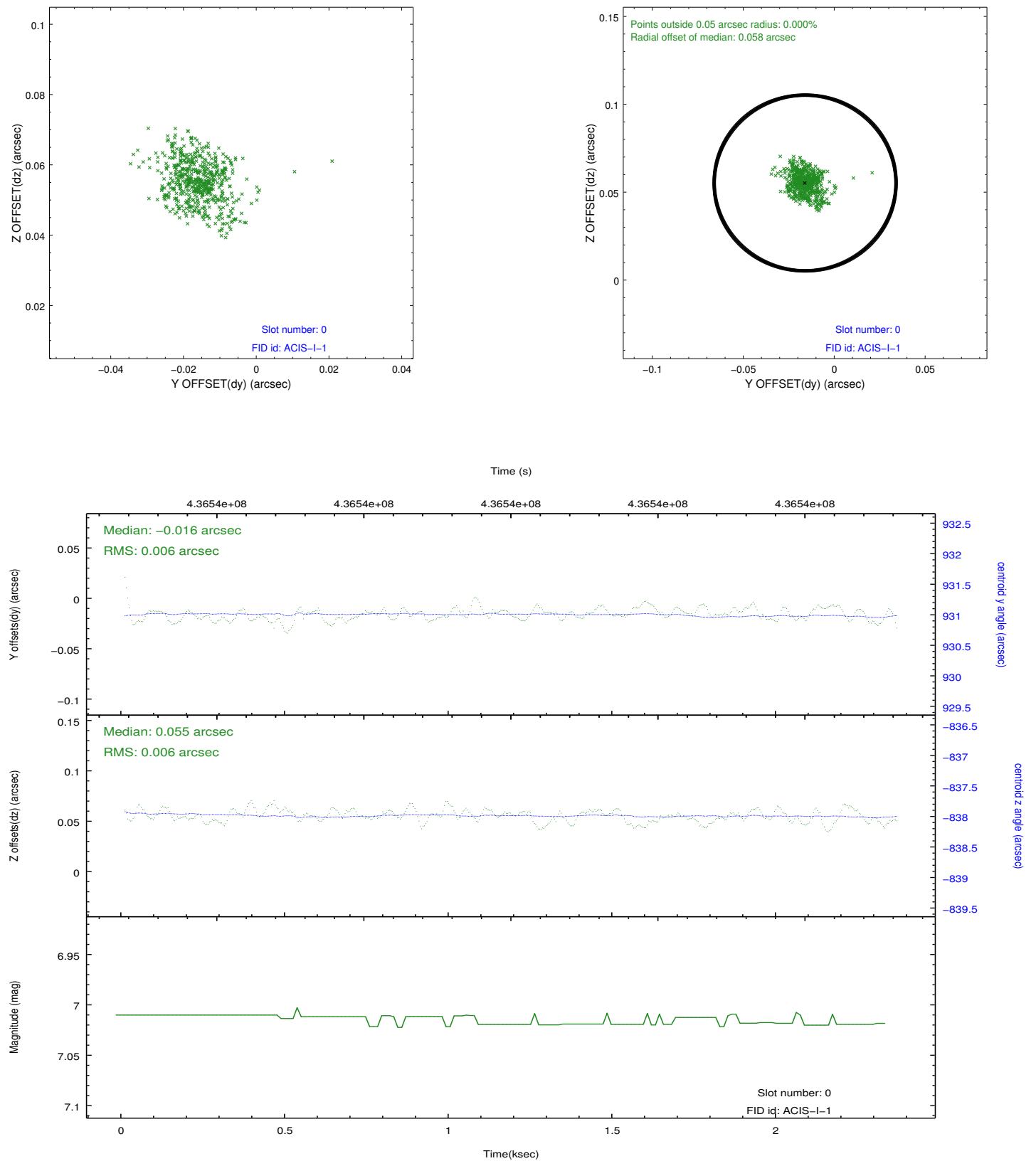


2.4.5 Slot 7

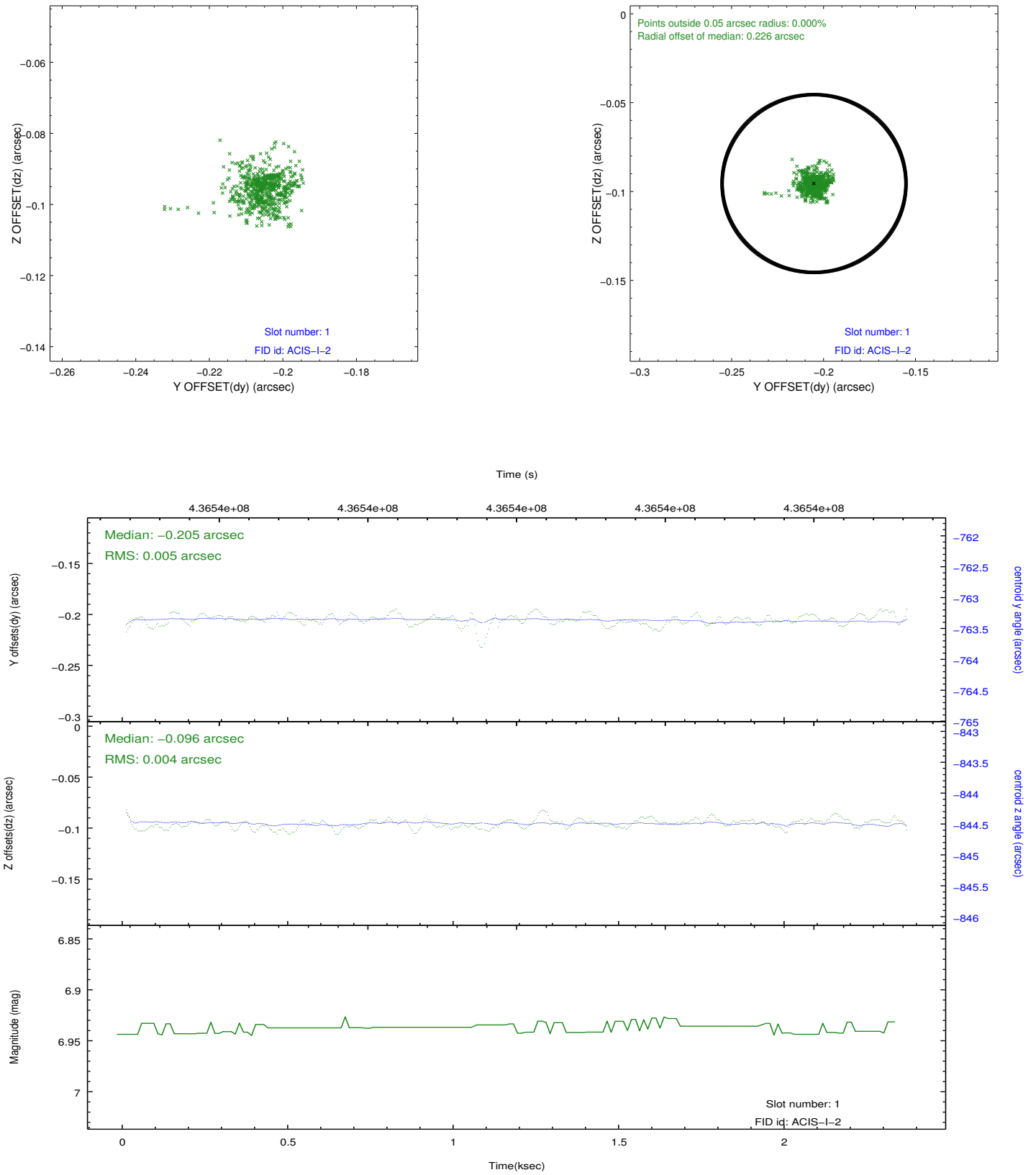


2.5 FID Slots

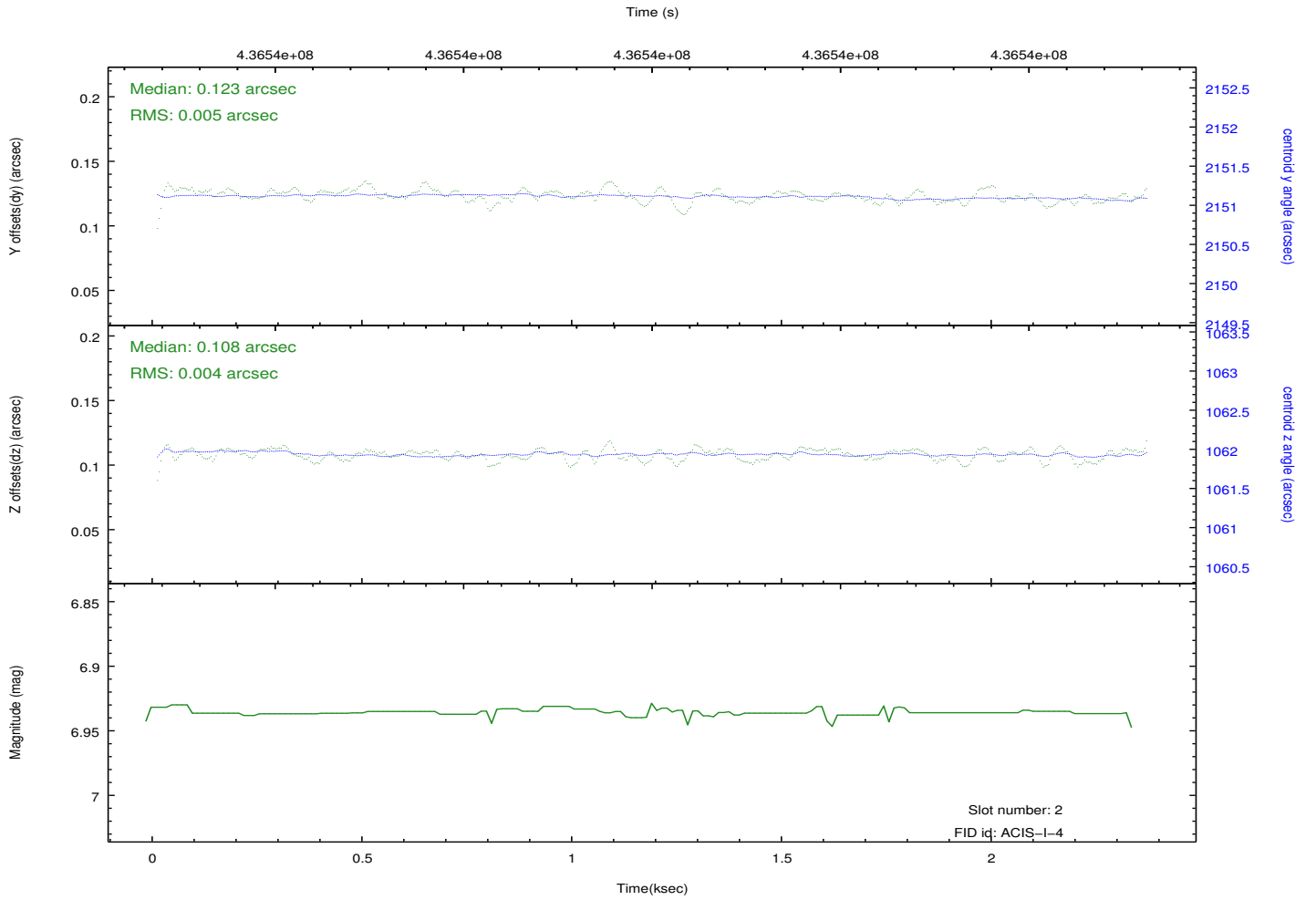
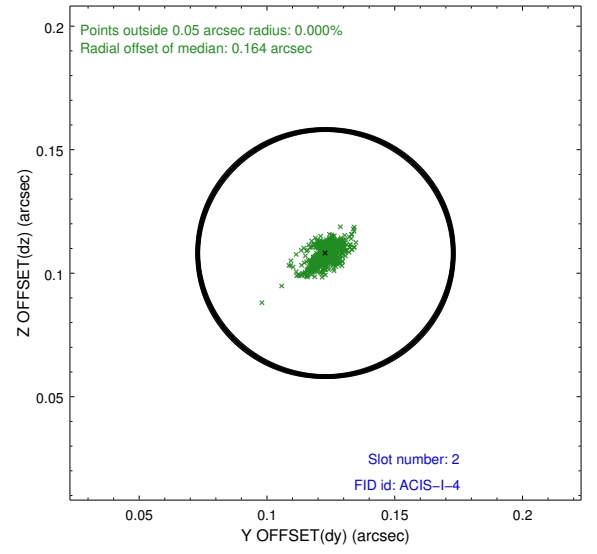
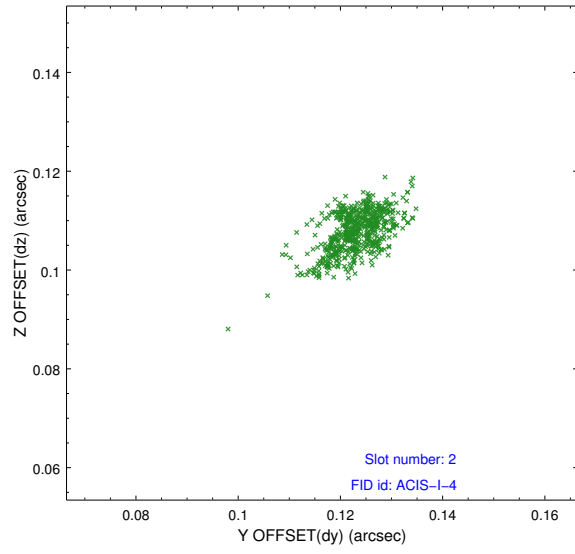
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9716000151634

A.2 Comments

Joint Proposal: NOAO