

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13589 - L2 Version 2
Chandra X-Ray Center

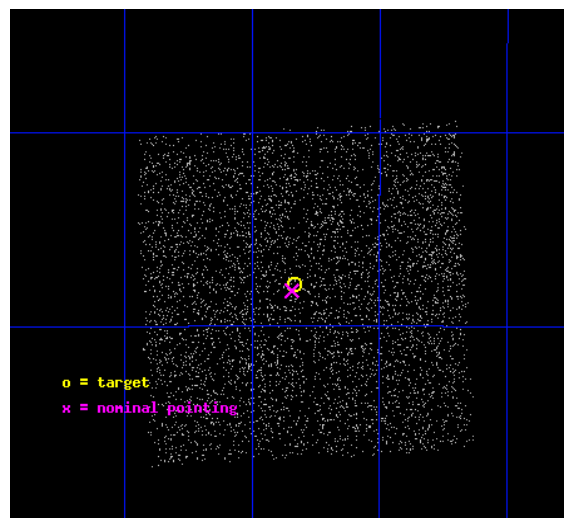
L2 Processing Date : Mar 2 2012

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1 Front

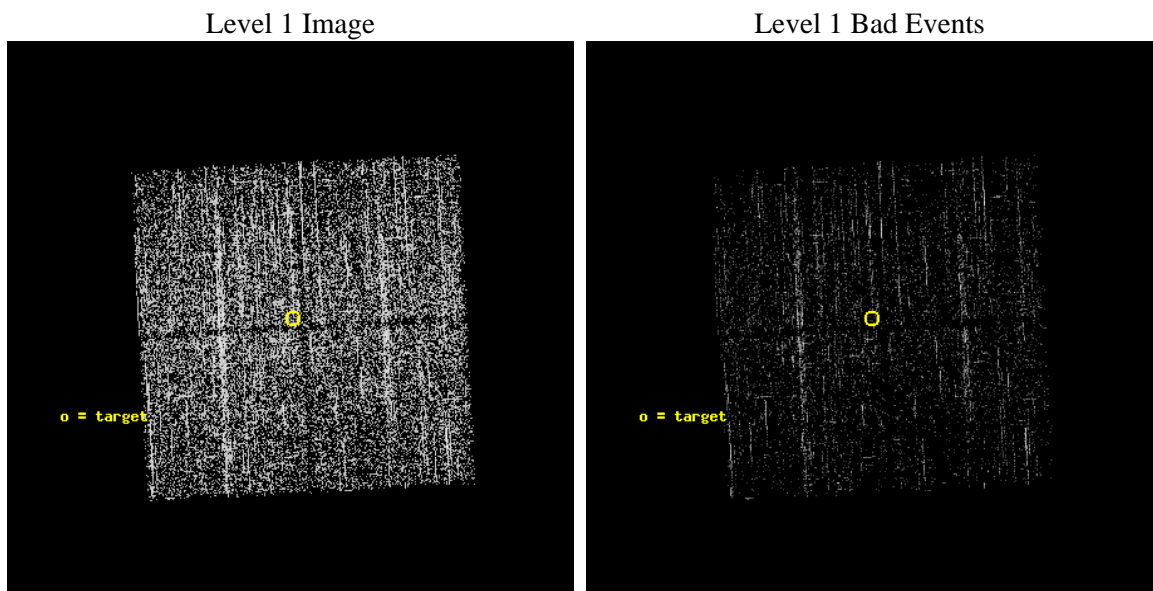
seq_num	401365	Sequence number
obs_id	13589	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.333612	Observer's specified target RA [deg]
dec_targ	-27.130668	Observer's specified target Dec [deg]
ra_nom	269.33604797488	Nominal RA [deg]
dec_nom	-27.136195984517	Nominal Dec [deg]
roll_nom	267.080401831	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1974.7000151873	Sum of GTIs [s]
livetime	1948.8991057358	Livetime [s]
ontime0	1974.7000151873	Sum of GTIs [s]
ontime1	1974.7000151873	Sum of GTIs [s]
ontime2	1971.5590547919	Sum of GTIs [s]
ontime3	1974.7000151873	Sum of GTIs [s]
l2events	5377	Number of level 2 events



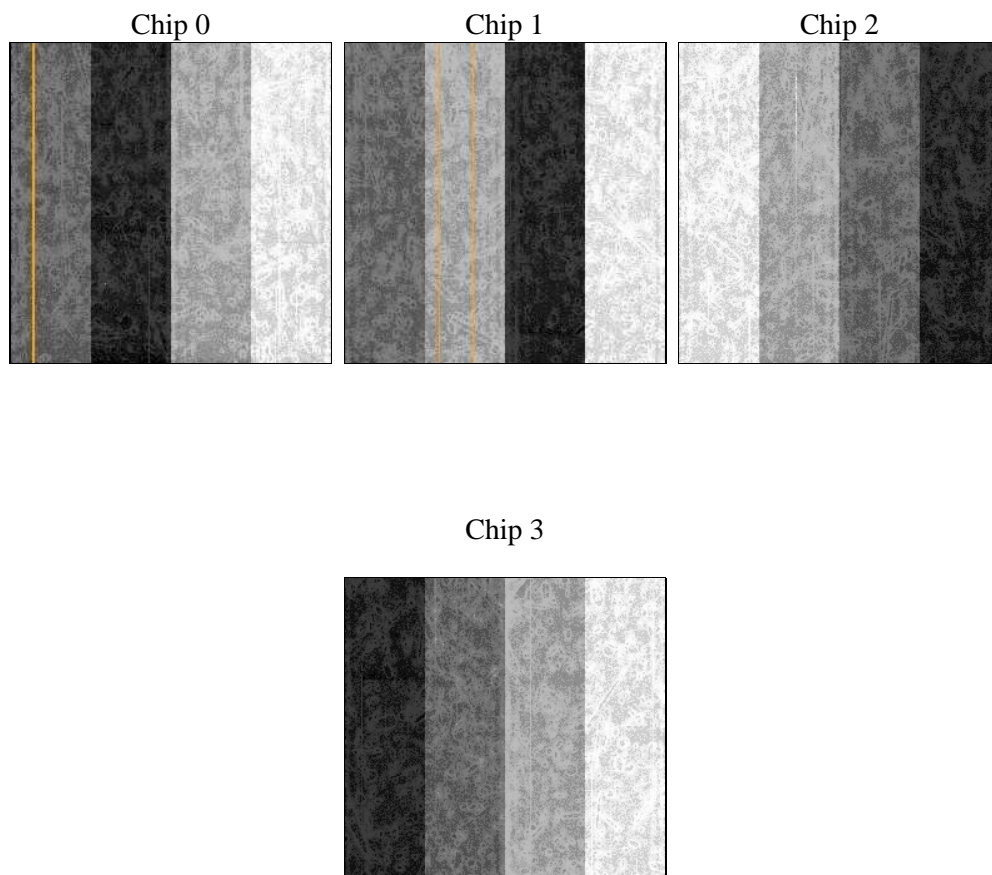
2 OBI

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	1974.7000151873	Sum of GTIs [s]
date	2012-03-02T11:57:10	Date and time of file creation	ontime1	1974.7000151873	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1971.5590547919	Sum of GTIs [s]
			ontime3	1974.7000151873	Sum of GTIs [s]
			l1events	46433	Number of level 1 events

2.1.4 Events

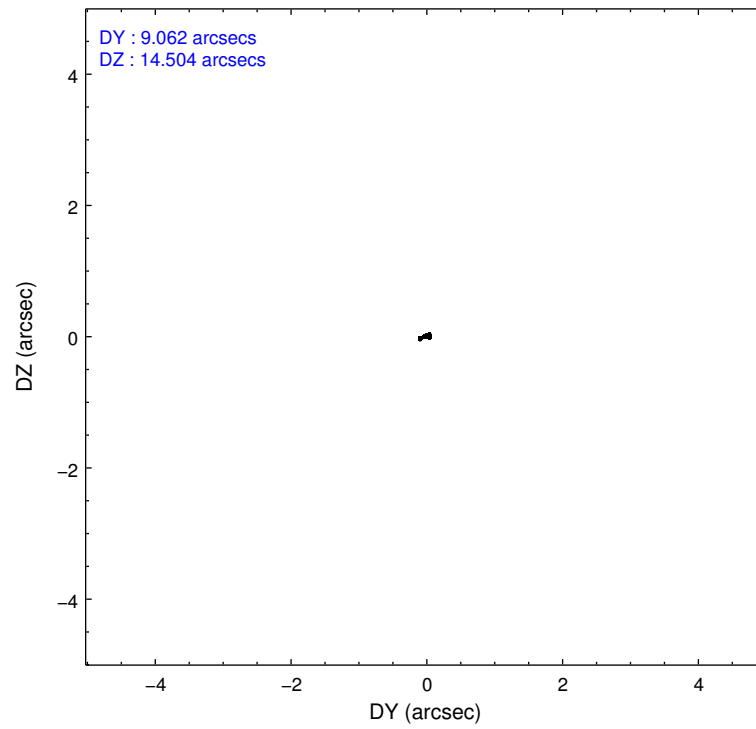
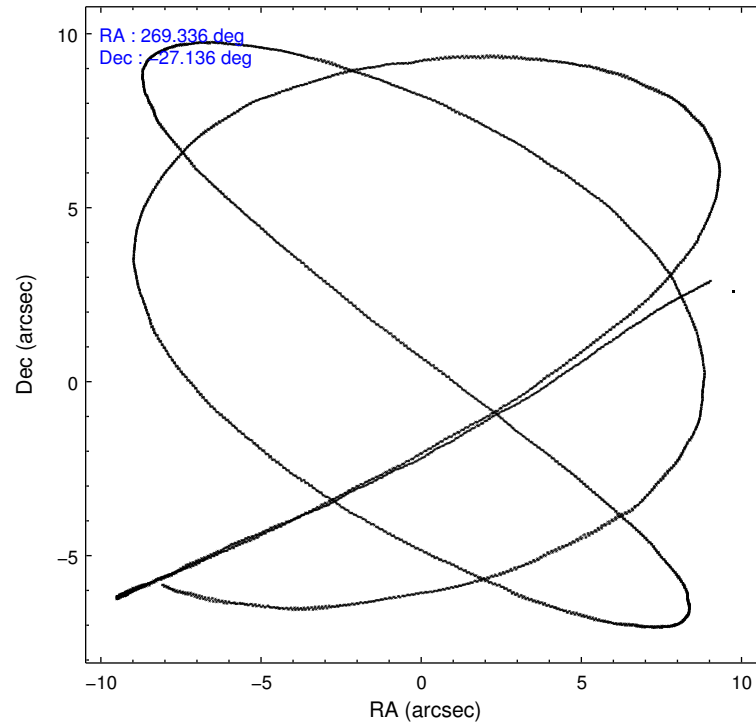
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10351	11624	11887	12571
rejected events	8801	9909	10379	11073
rejected %	85%	85%	87%	88%

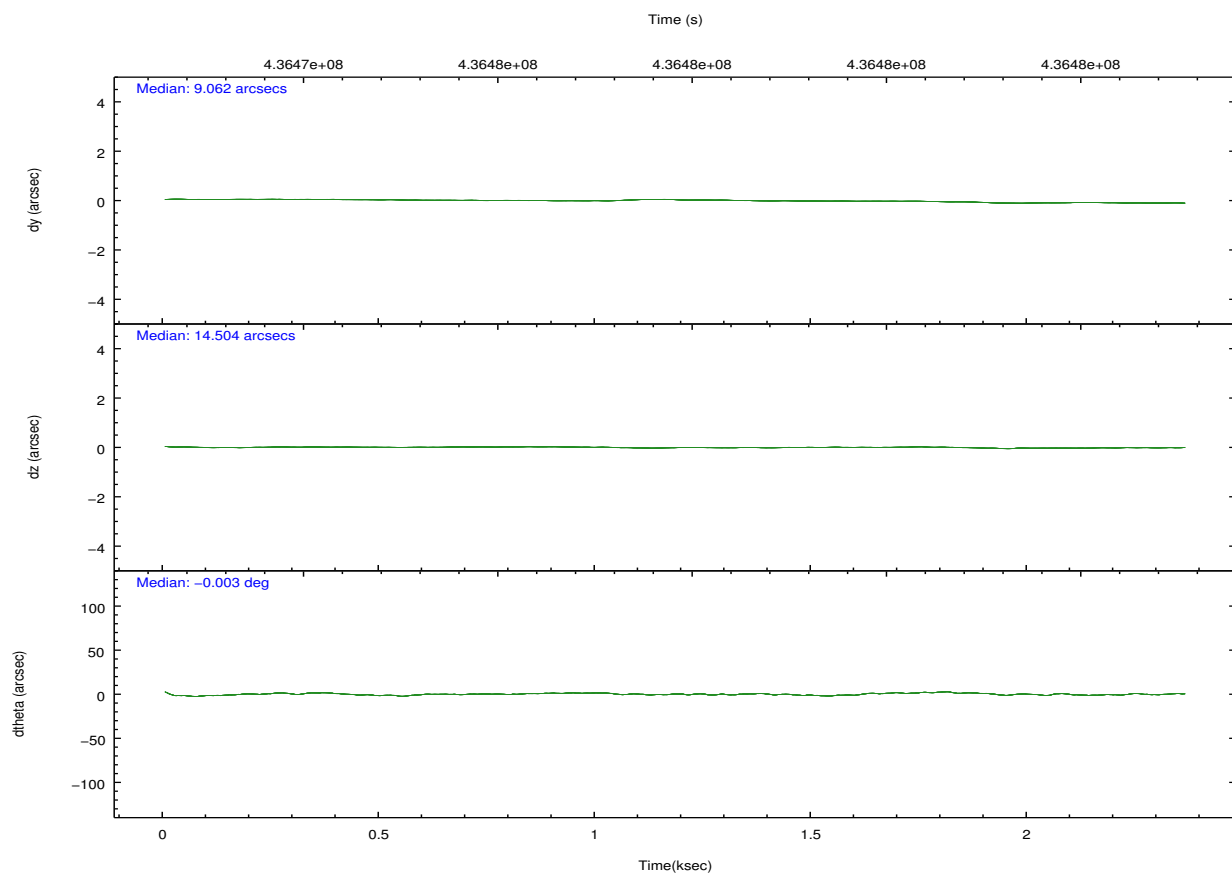
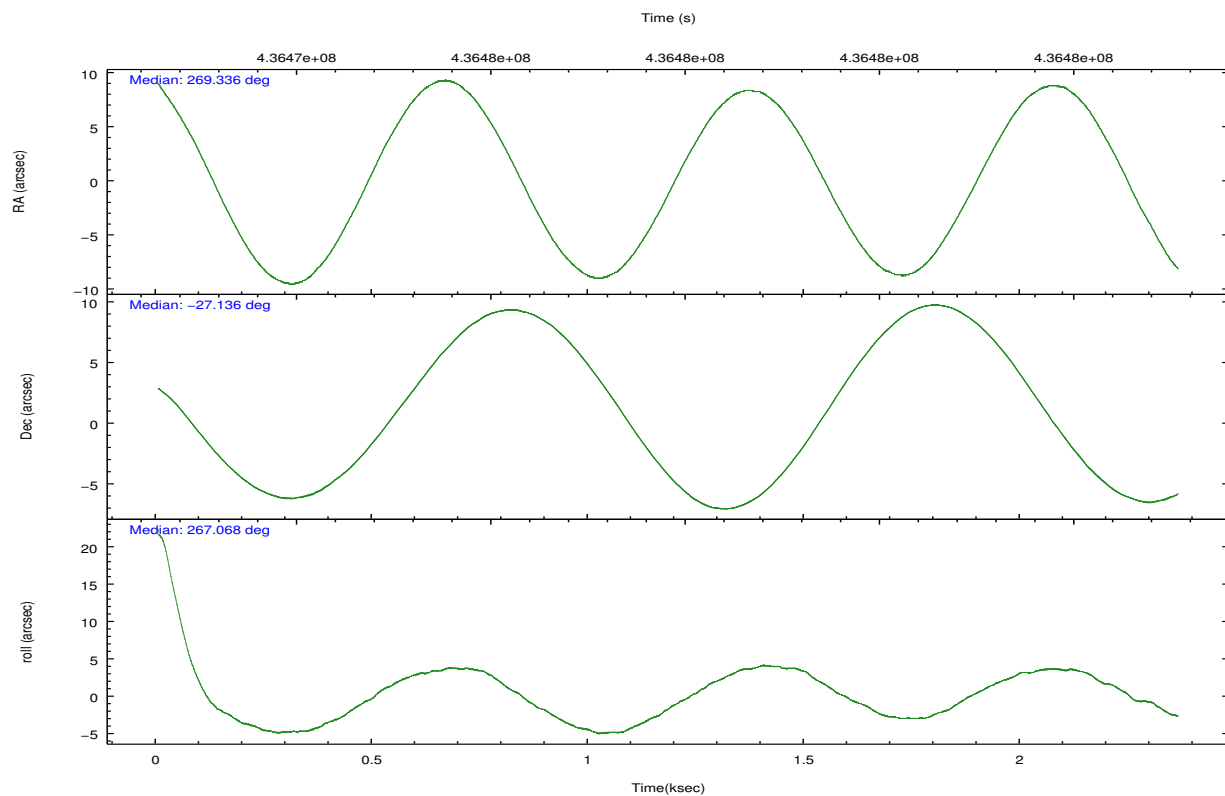
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	628	662	607	659
	6%	5%	5%	5%
grade 1 events	8	5	5	7
	0%	0%	0%	0%
grade 2 events	375	405	365	307
	3%	3%	3%	2%
grade 3 events	136	174	147	132
	1%	1%	1%	1%
grade 4 events	130	156	140	142
	1%	1%	1%	1%
grade 5 events	530	574	483	590
	5%	4%	4%	4%
grade 6 events	281	319	250	261
	2%	2%	2%	2%
grade 7 events	8263	9329	9890	10473
	79%	80%	83%	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	269.321854	269.3360479748758	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.111570	-27.13619598451731	Alternating exposures requested	N	N
[deg] Pointing Roll	266.865268	267.080401831001	[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)	436474459.184000	436474010.90443			
Observation start date	2011-10-31T18:53:13	2011-10-31T18:46:50			
[s] Observation end time (MET)	436476639.184000	436477900.26714			
Observation end date	2011-10-31T19:29:33	2011-10-31T19:51:40			
Read mode	TIMED	TIMED			

2.3 Aspect



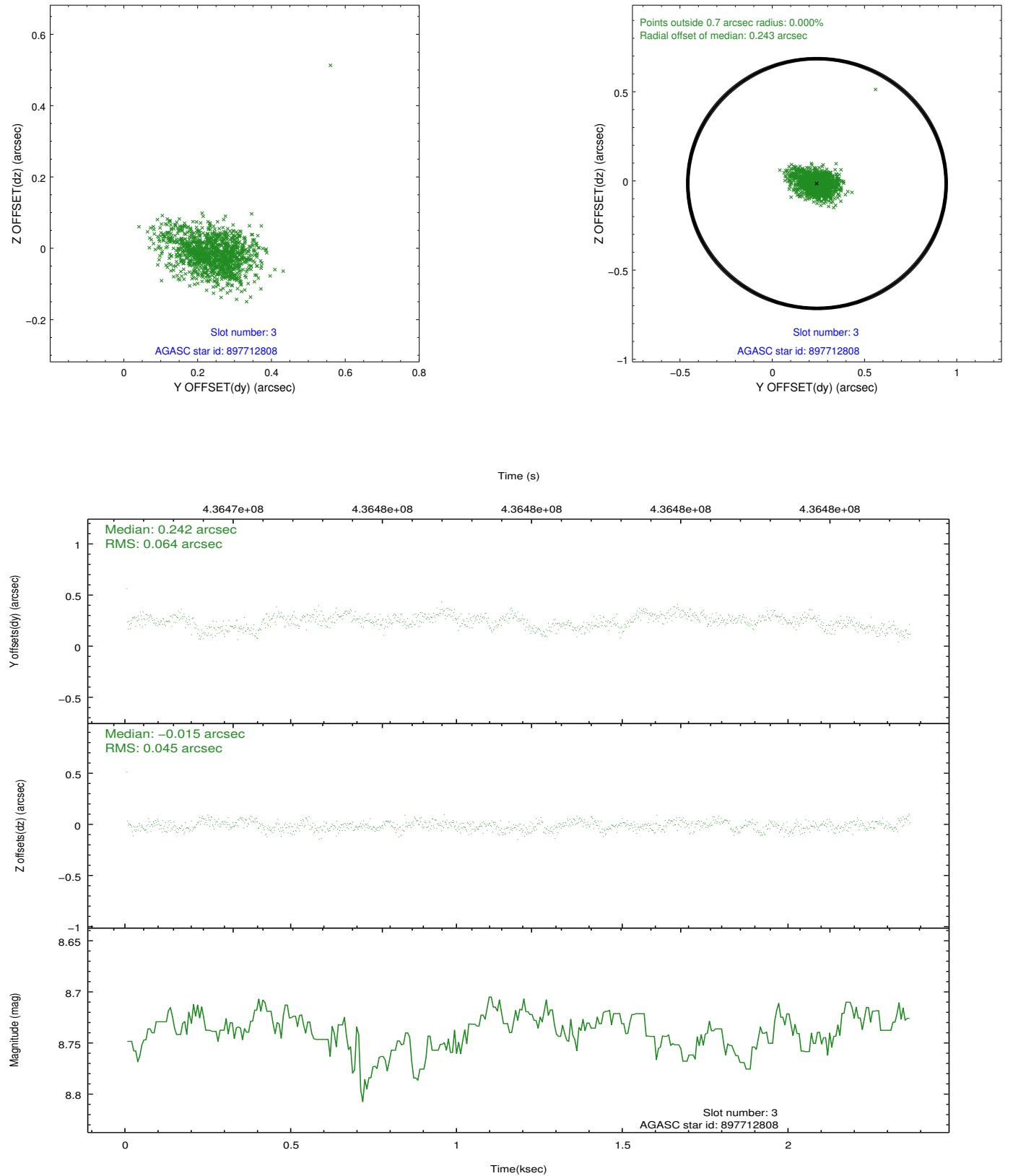


Slot Statistics

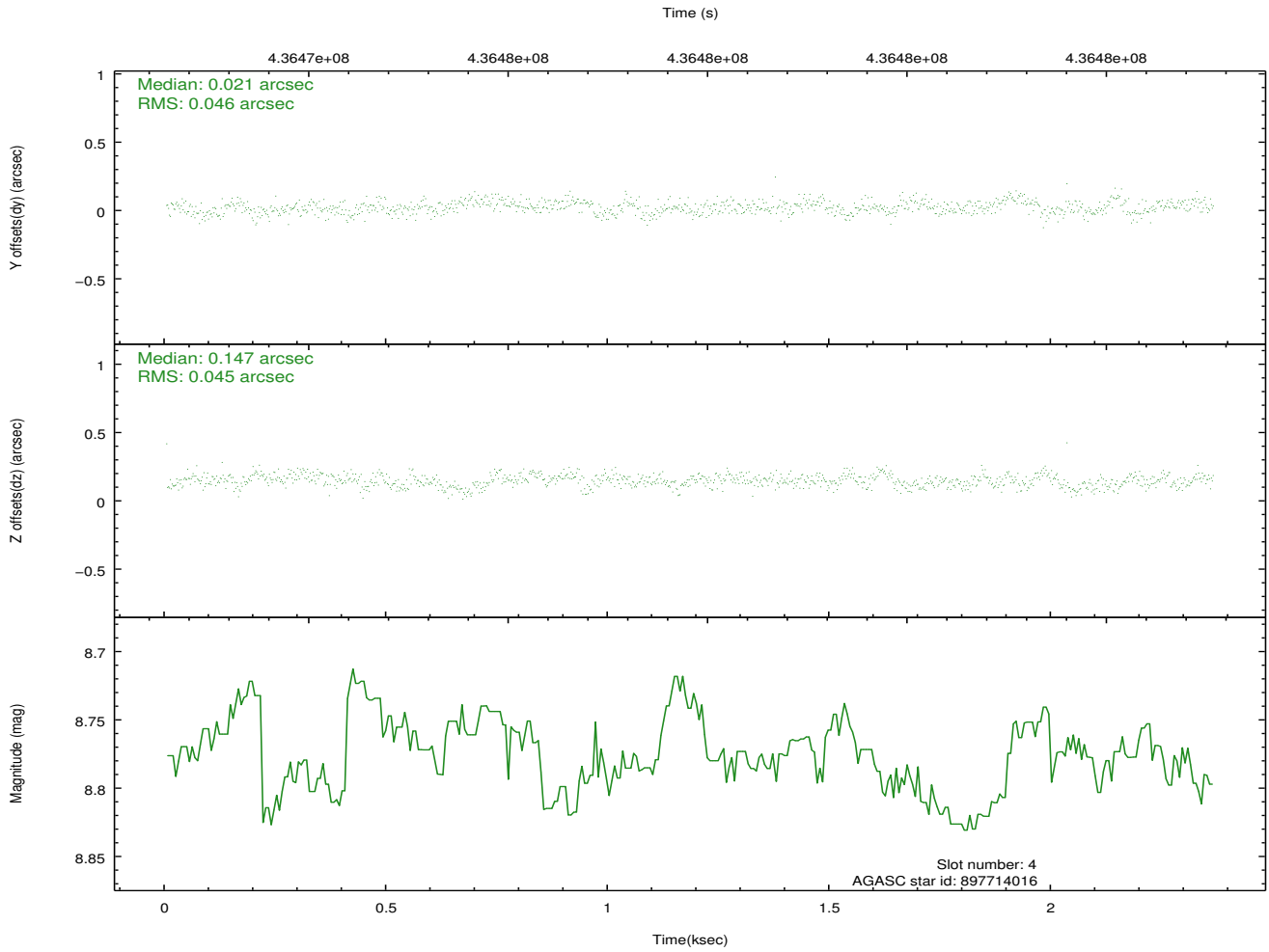
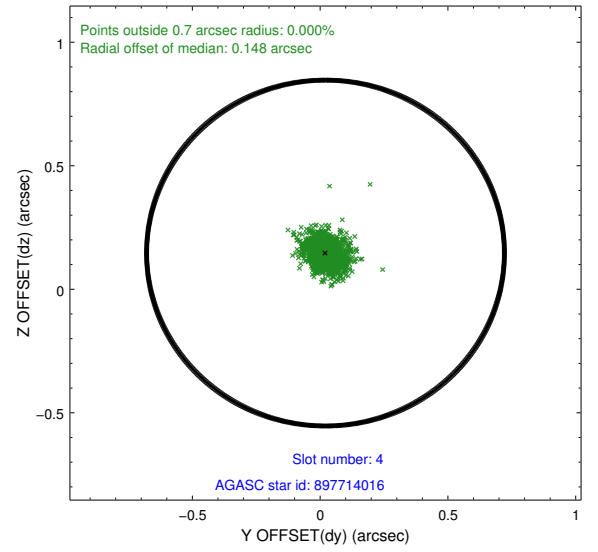
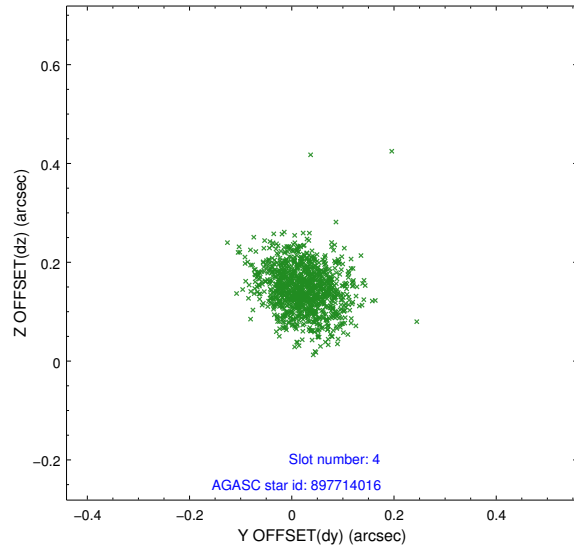
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	576	0.018	-0.029	0.010	0.017	0.000000	0.000000	930.60	-838.11
1	FID	ACIS-I-4	6.94	576	0.155	0.036	0.010	0.017	0.000000	0.000000	2152.29	1060.40
2	FID	ACIS-I-5	7.01	576	-0.271	0.065	0.008	0.013	0.000000	0.000000	-1814.17	1061.35
3	GUIDE	897712808	8.74	1152	0.242	-0.015	0.078	0.138	268.777505	-27.542029	1646.67	-1649.87
4	GUIDE	897714016	8.78	1152	0.021	0.147	0.066	0.109	269.708519	-26.828266	-1083.62	1183.14
5	GUIDE	897715808	7.51	1153	-0.164	0.002	0.138	0.196	269.101805	-26.773394	-1176.65	-772.10
6	GUIDE	897716896	7.35	1153	-0.063	-0.006	0.054	0.090	269.902616	-27.069631	-250.18	1850.17
7	GUIDE	897722208	8.40	1152	-0.031	-0.123	0.099	0.154	268.617190	-27.294090	785.55	-2213.06

2.4 Star Slots

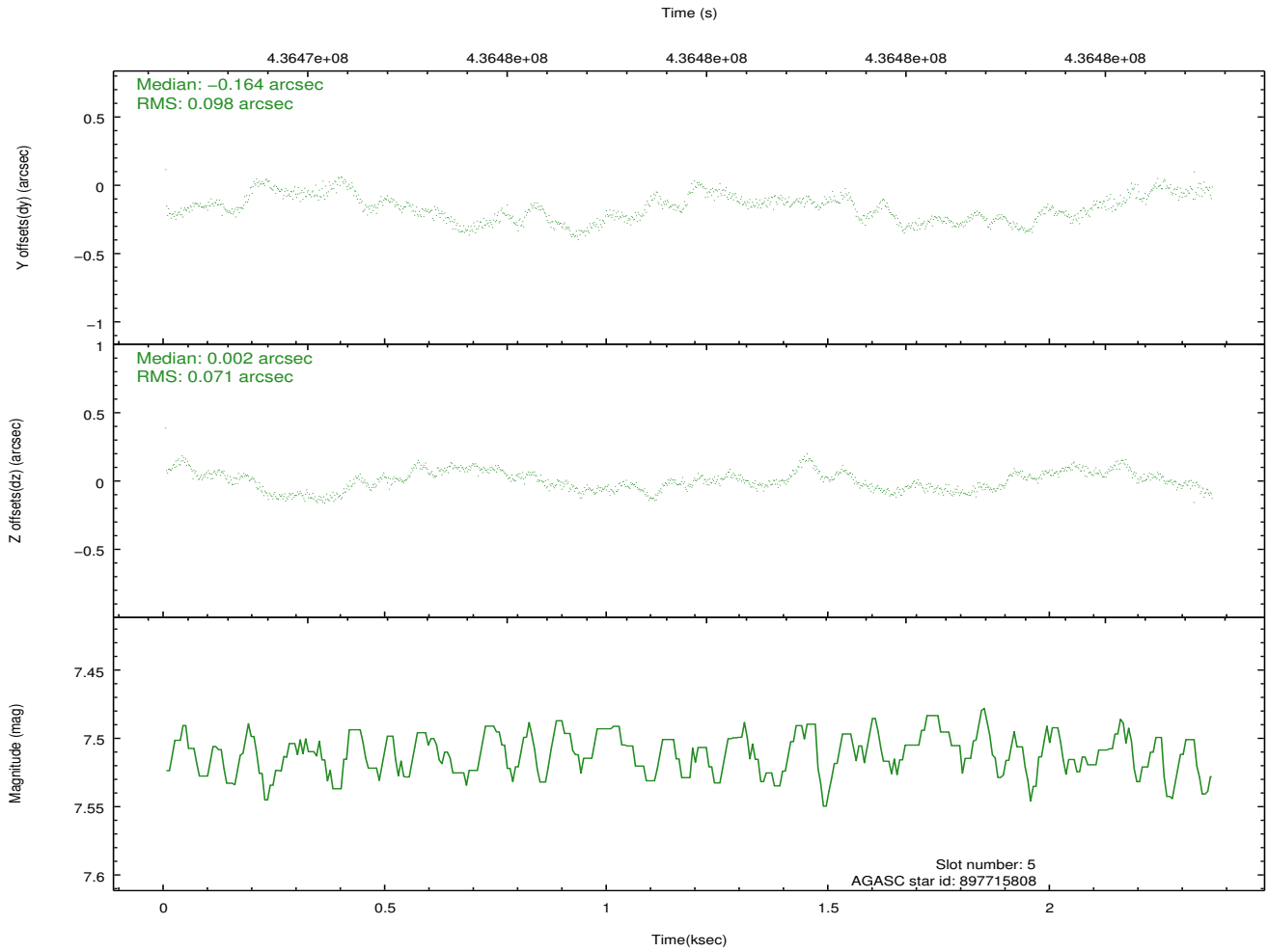
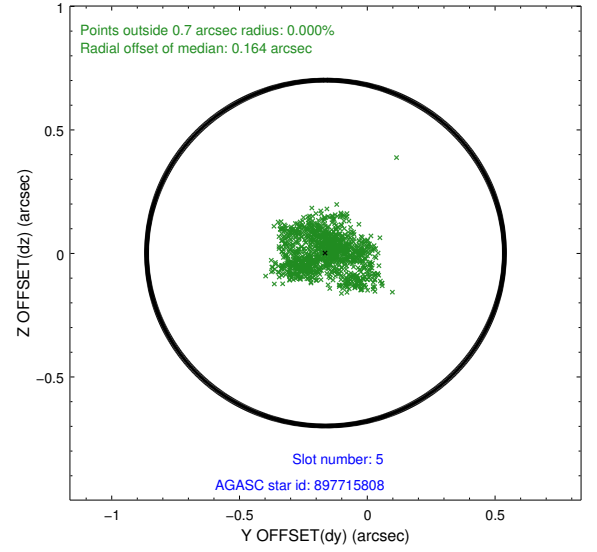
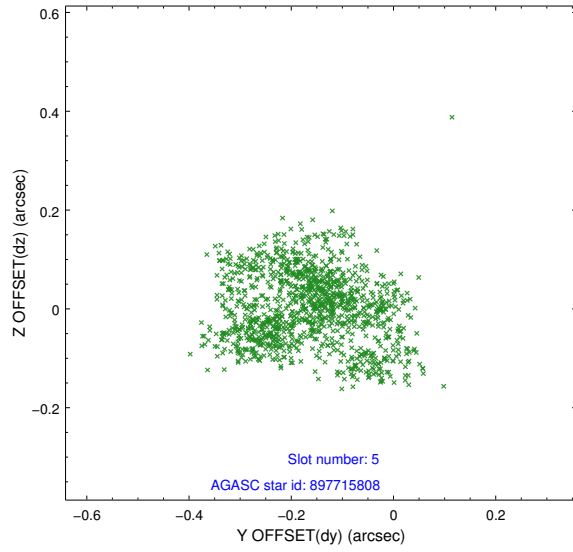
2.4.1 Slot 3



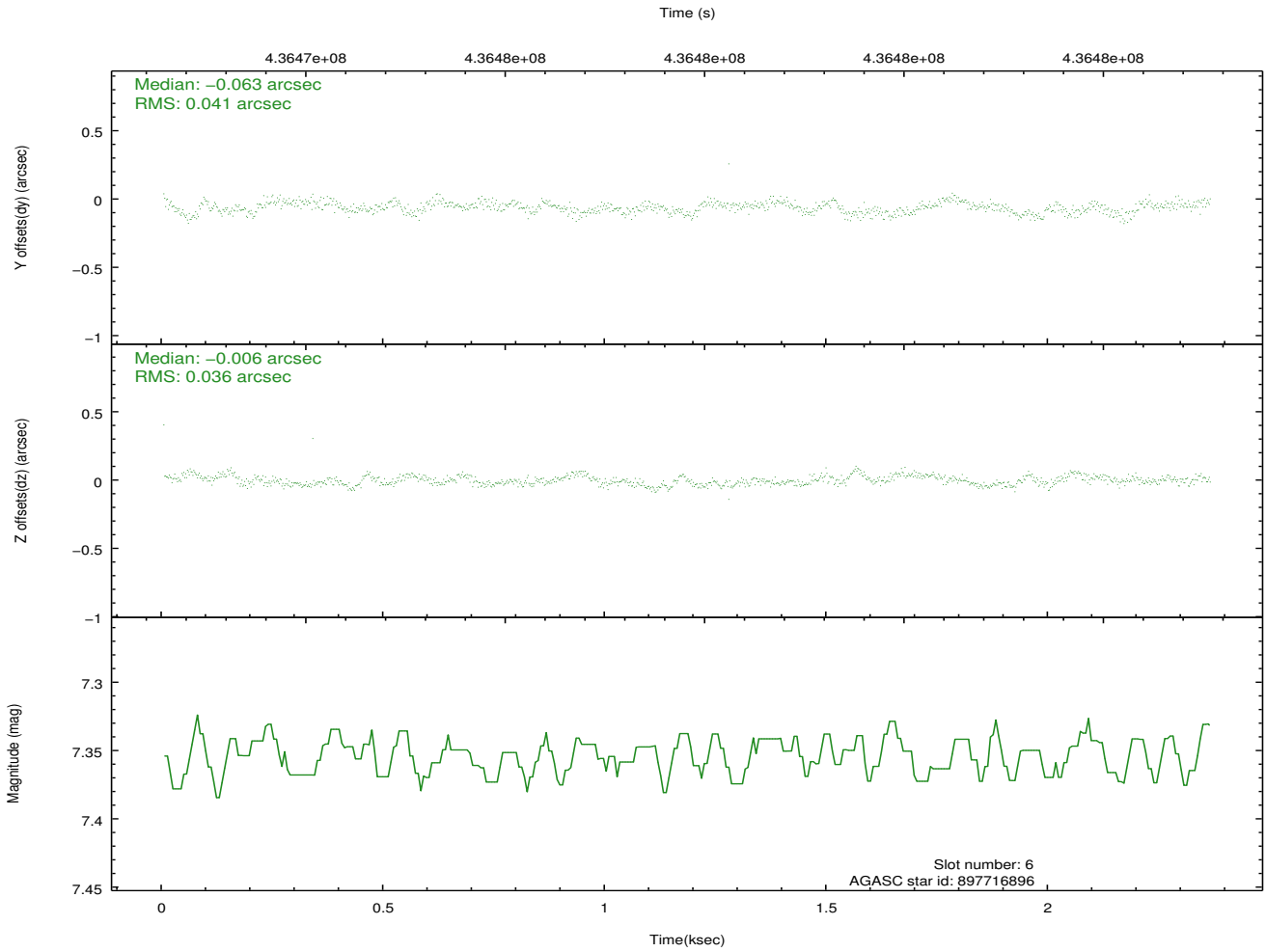
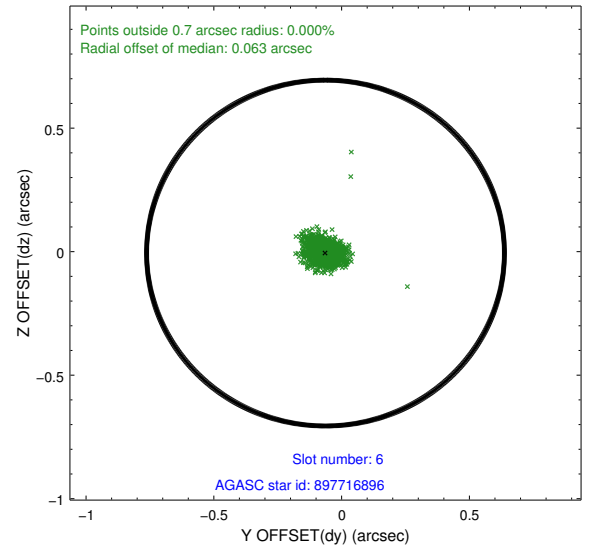
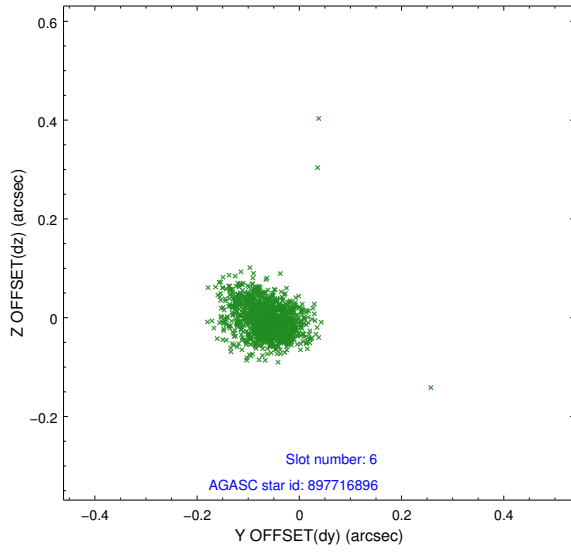
2.4.2 Slot 4



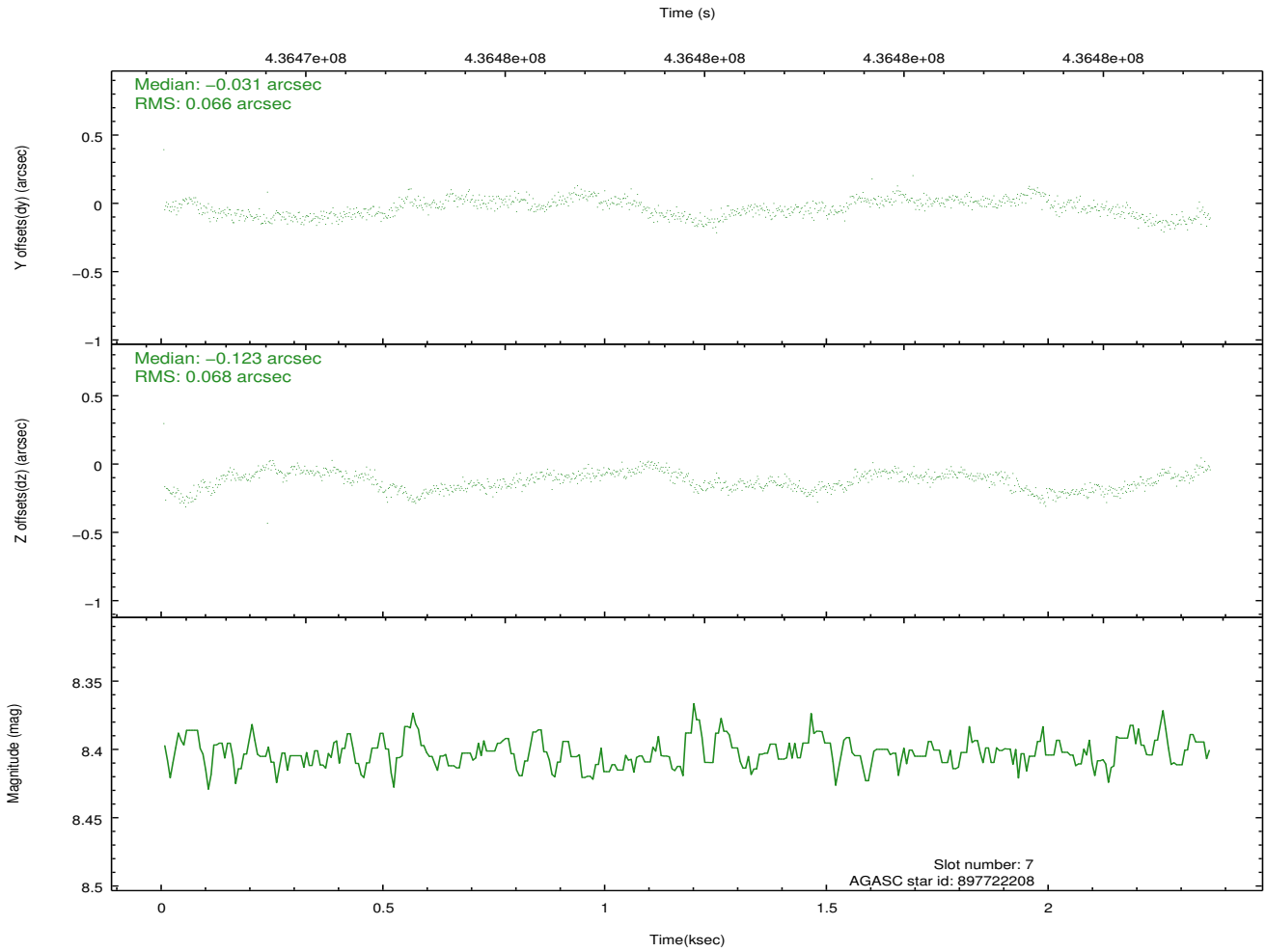
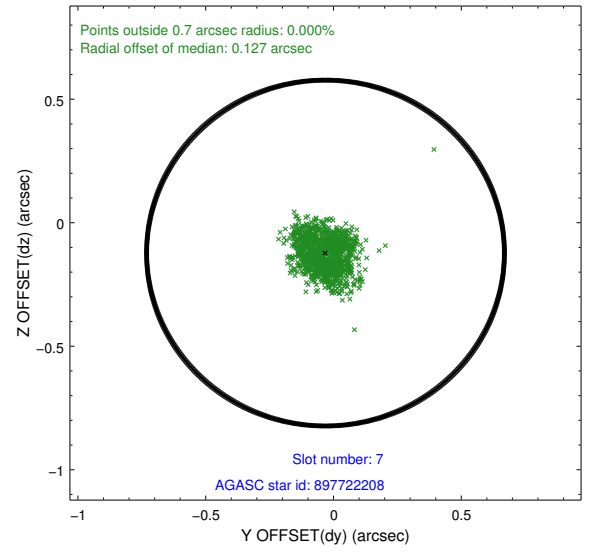
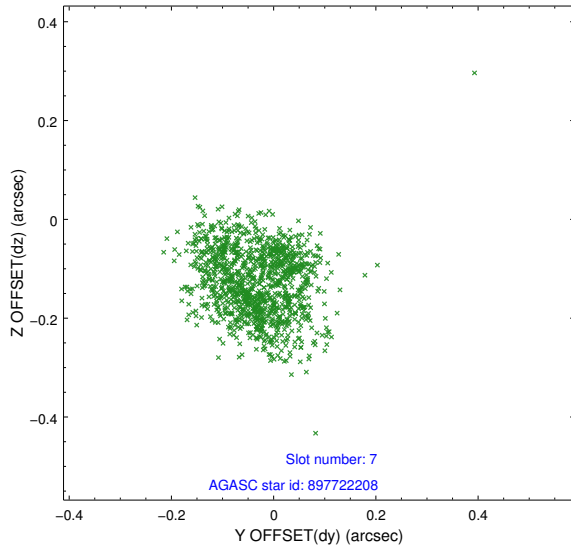
2.4.3 Slot 5



2.4.4 Slot 6

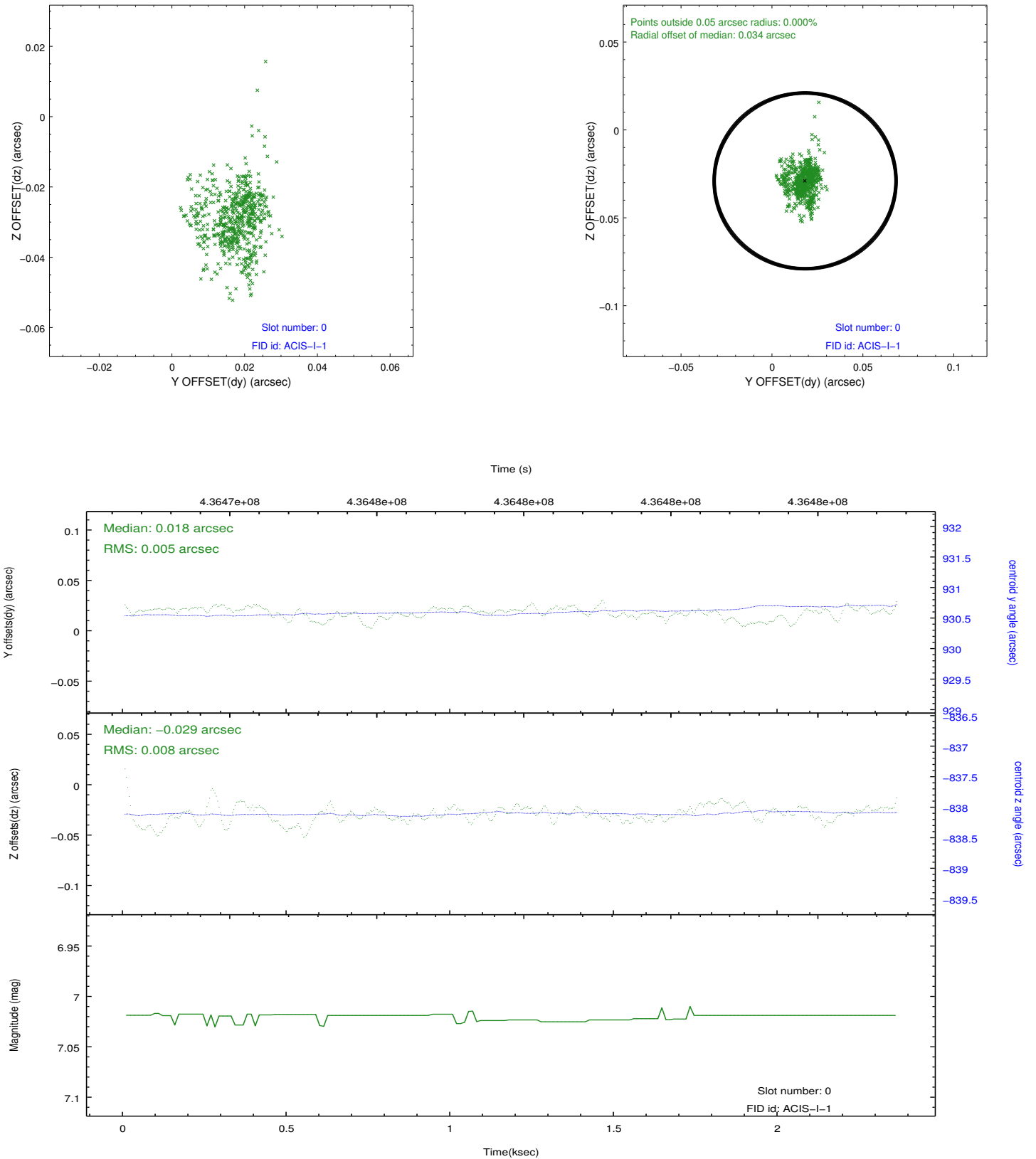


2.4.5 Slot 7

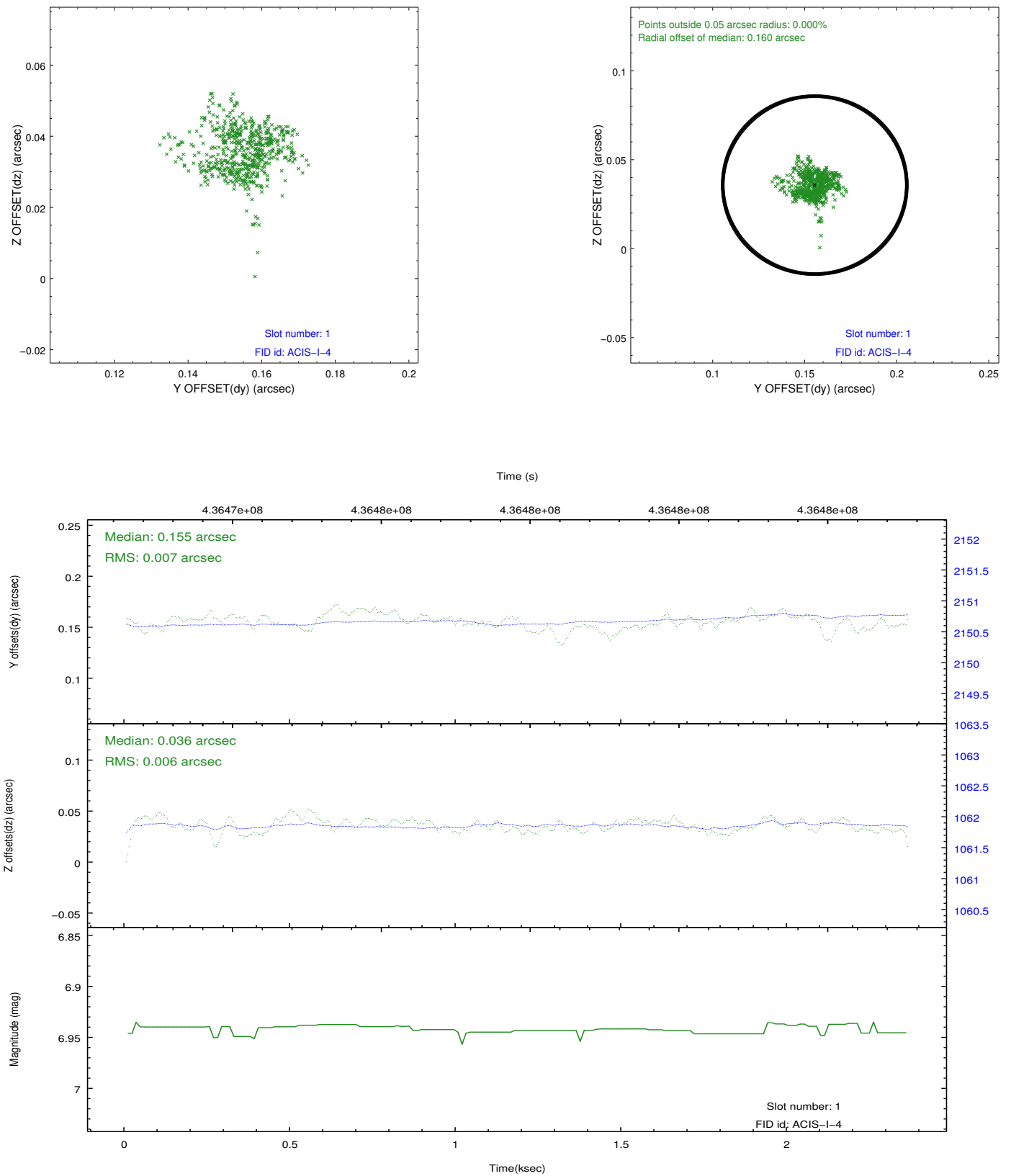


2.5 FID Slots

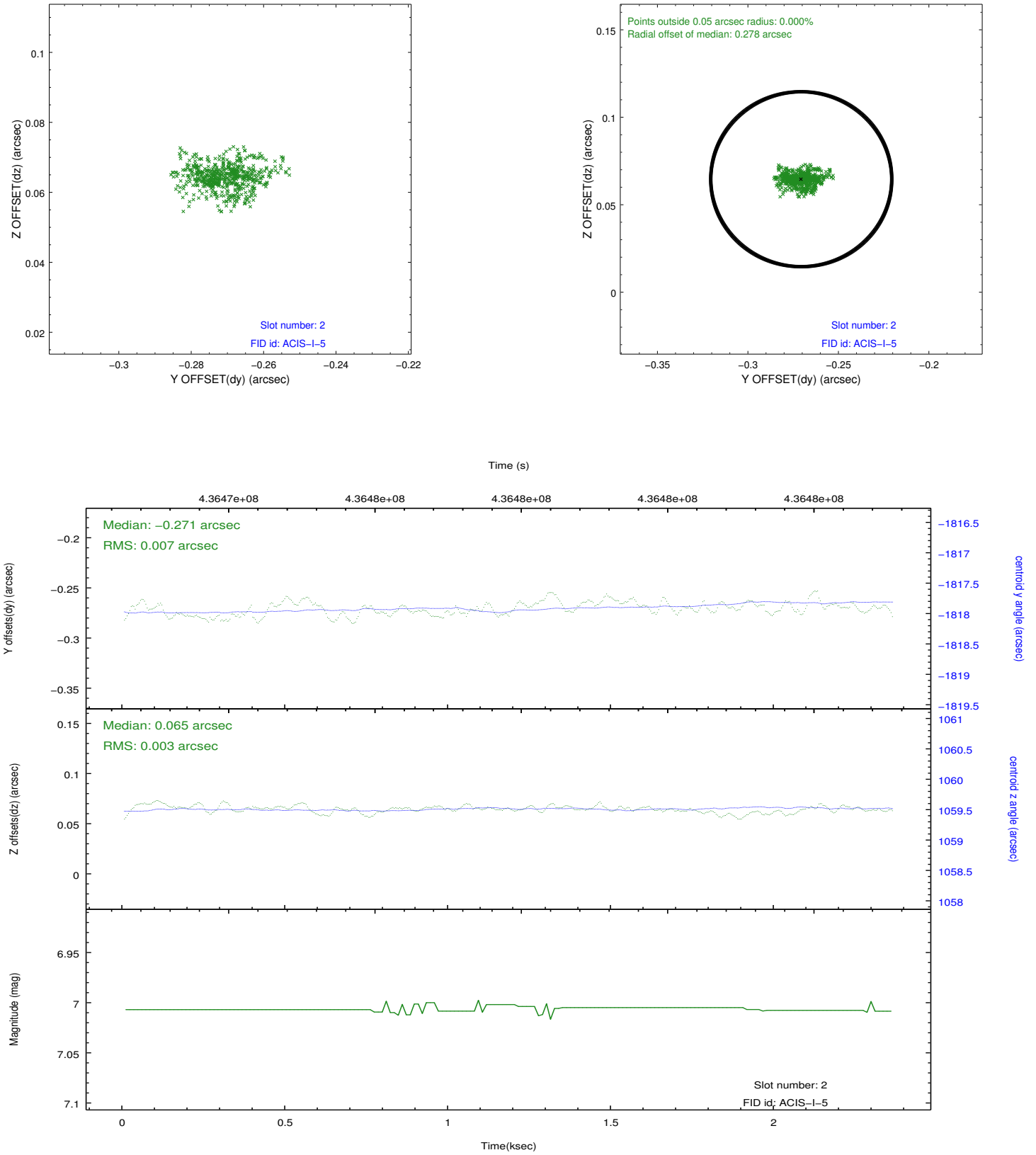
2.5.1 Slot 0



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)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9747000151873

A.2 Comments

Joint Proposal: NOAO