

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13539 - L2 Version 2
Chandra X-Ray Center

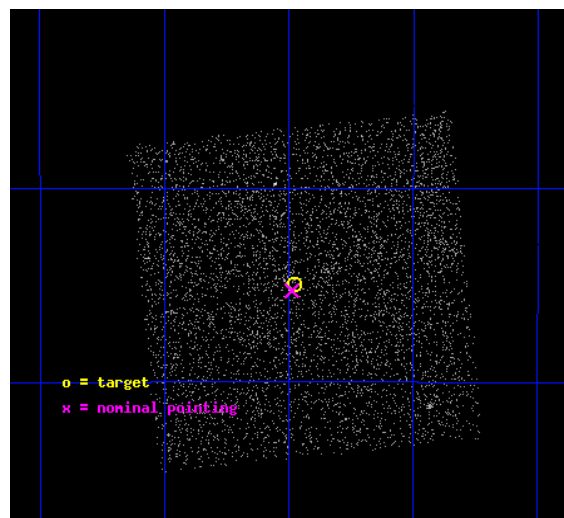
L2 Processing Date : Feb 25 2012

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1 Front

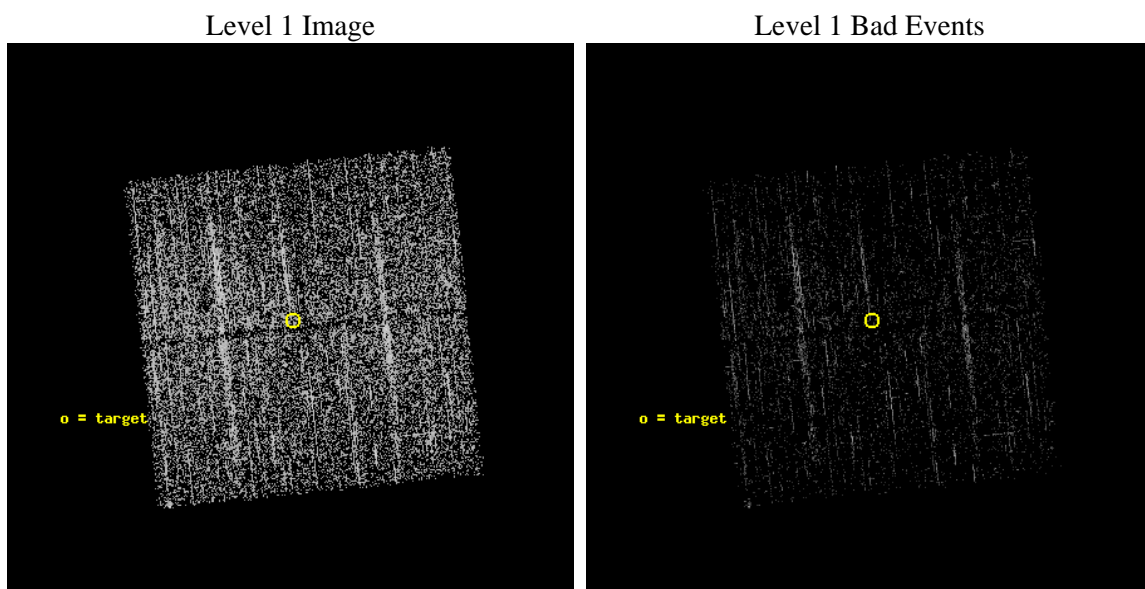
seq_num	401315	Sequence number
obs_id	13539	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.119875	Observer's specified target RA [deg]
dec_targ	-29.749043	Observer's specified target Dec [deg]
ra_nom	268.12208871001	Nominal RA [deg]
dec_nom	-29.754766717811	Nominal Dec [deg]
roll_nom	263.92478873501	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.884809494	Sum of GTIs [s]
livetime	1948.0945513051	Livetime [s]
ontime0	1973.7616595626	Sum of GTIs [s]
ontime1	1973.8026995659	Sum of GTIs [s]
ontime2	1973.8437395692	Sum of GTIs [s]
ontime3	1973.884809494	Sum of GTIs [s]
l2events	6724	Number of level 2 events



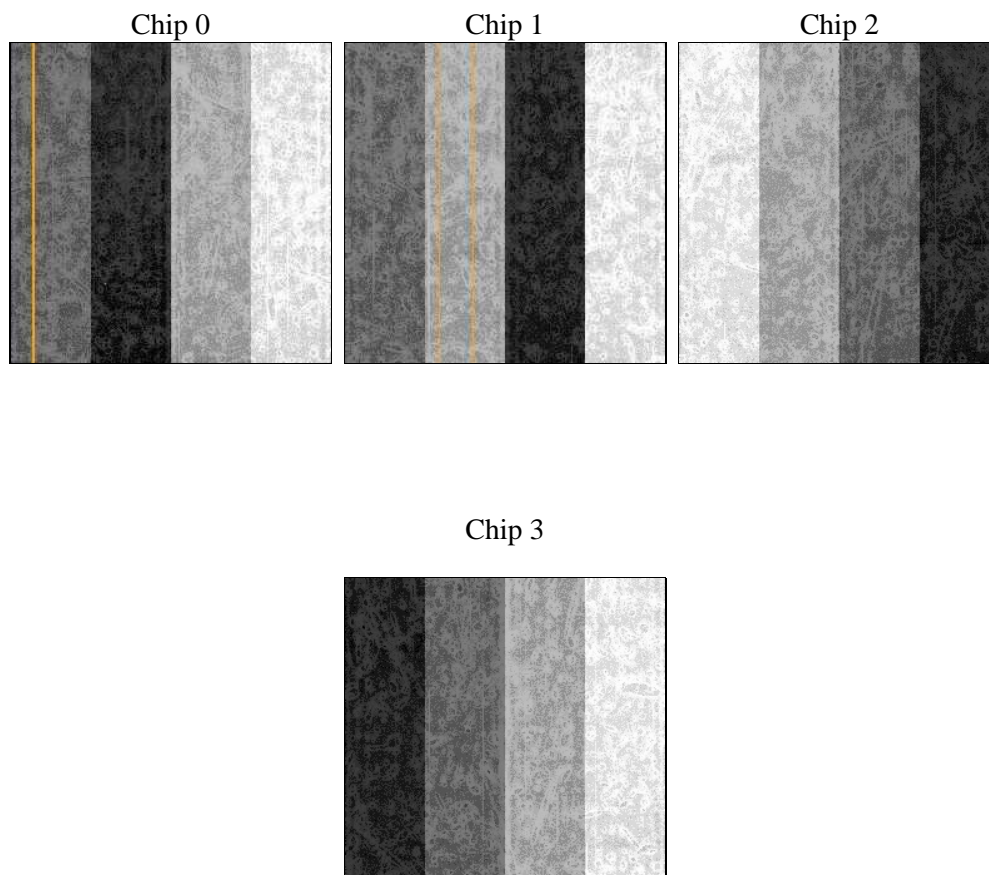
2 OBI

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	1973.884809494	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.7616595626	Sum of GTIs [s]
date	2012-02-26T01:21:59	Date and time of file creation	ontime1	1973.8026995659	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.8437395692	Sum of GTIs [s]
			ontime3	1973.884809494	Sum of GTIs [s]
			l1events	48236	Number of level 1 events

2.1.4 Events

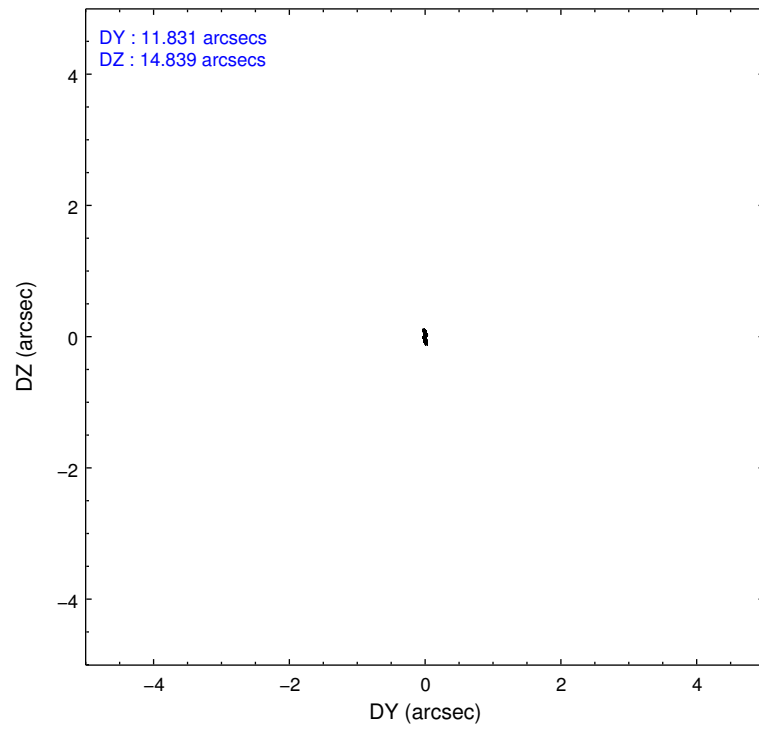
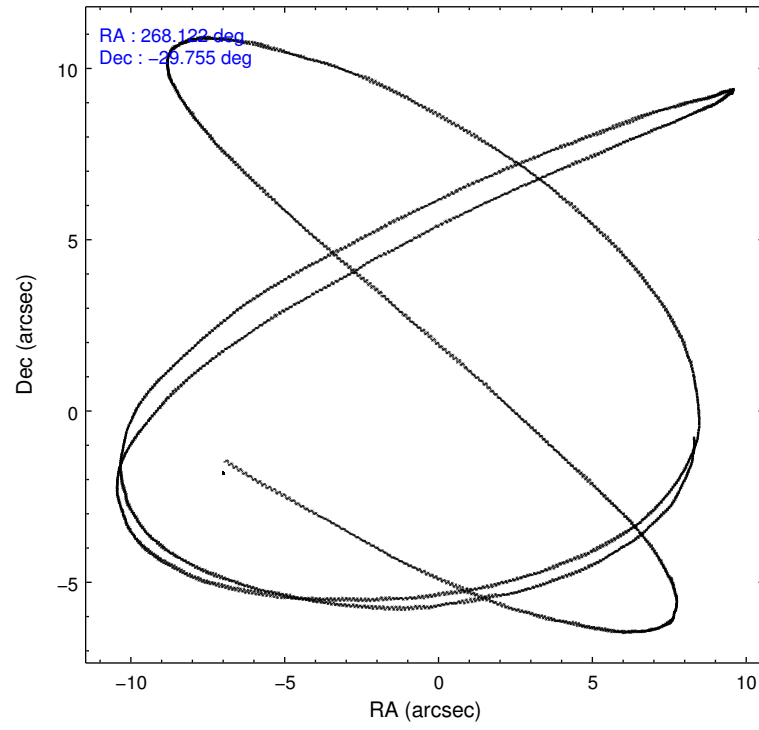
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11704	10838	11891	13803
rejected events	9941	8596	10097	11845
rejected %	84%	79%	84%	85%

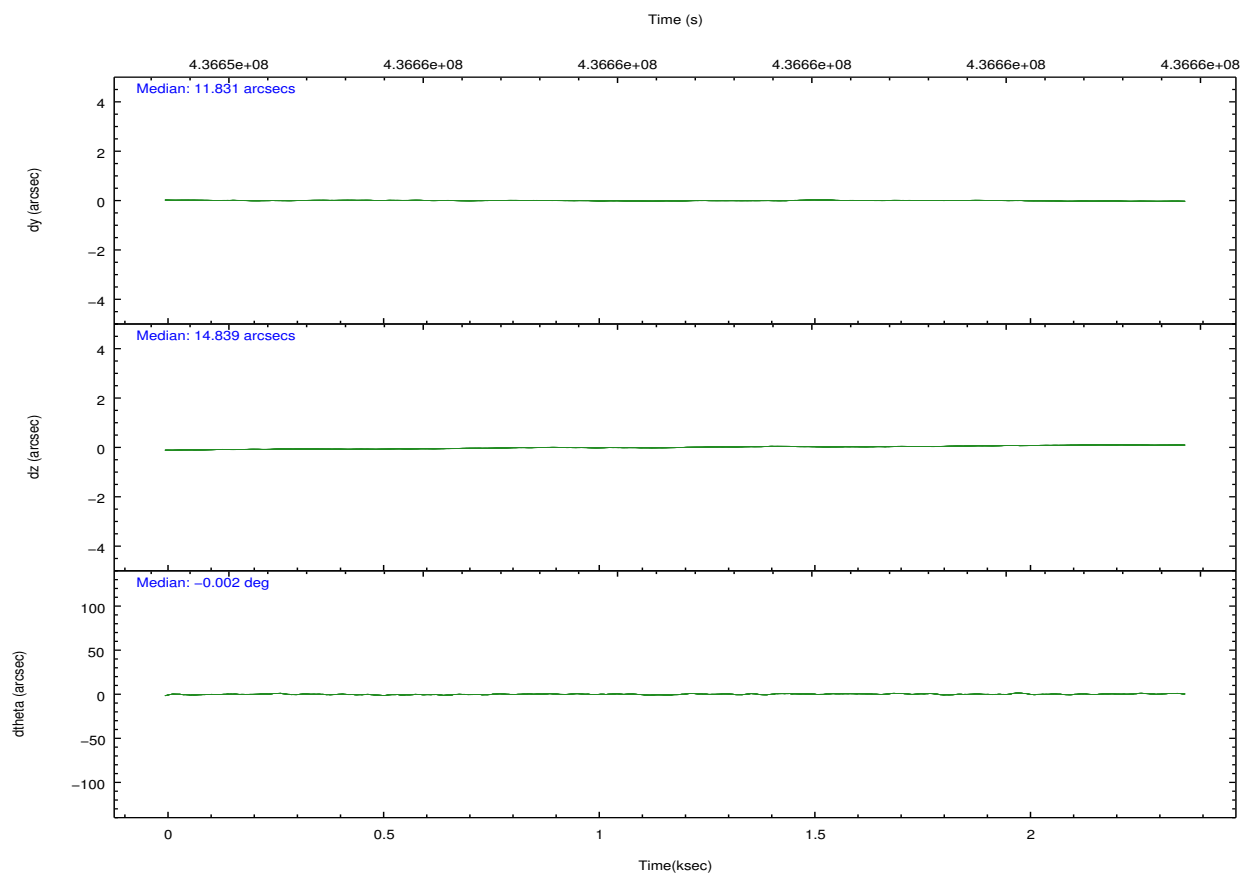
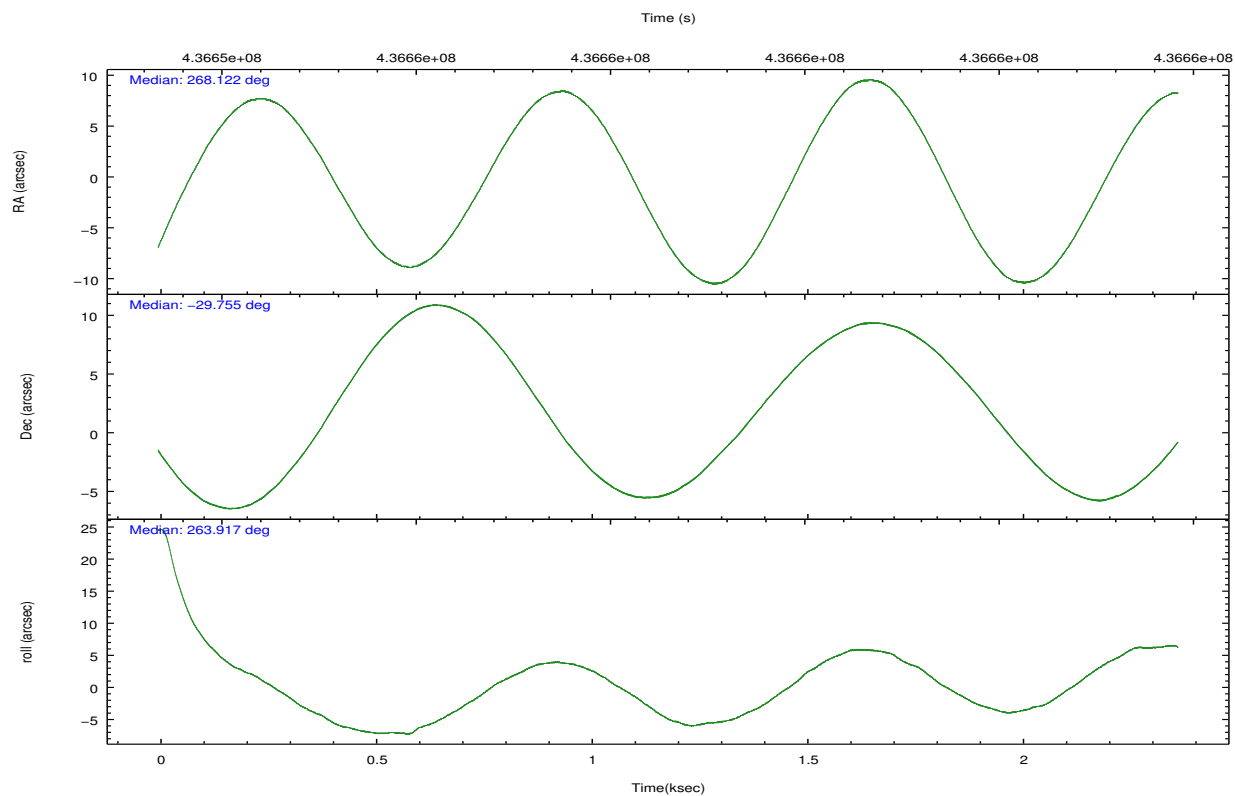
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	811	1131	843	1016
	6%	10%	7%	7%
grade 1 events	5	10	15	12
	0%	0%	0%	0%
grade 2 events	373	458	392	355
	3%	4%	3%	2%
grade 3 events	171	181	143	152
	1%	1%	1%	1%
grade 4 events	150	174	139	165
	1%	1%	1%	1%
grade 5 events	539	575	525	566
	4%	5%	4%	4%
grade 6 events	265	304	282	275
	2%	2%	2%	1%
grade 7 events	9390	8005	9552	11262
	80%	73%	80%	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	268.109041	268.1220887100081	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.729398	-29.75476671781099	Alternating exposures requested	N	N
[deg] Pointing Roll	263.709627	263.9247887350136	[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)	436654642.184000	436654183.36392			
Observation start date	2011-11-02T20:56:16	2011-11-02T20:49:43			
[s] Observation end time (MET)	436656822.184000	436656956.50156			
Observation end date	2011-11-02T21:32:36	2011-11-02T21:35:56			
Read mode	TIMED	TIMED			

2.3 Aspect



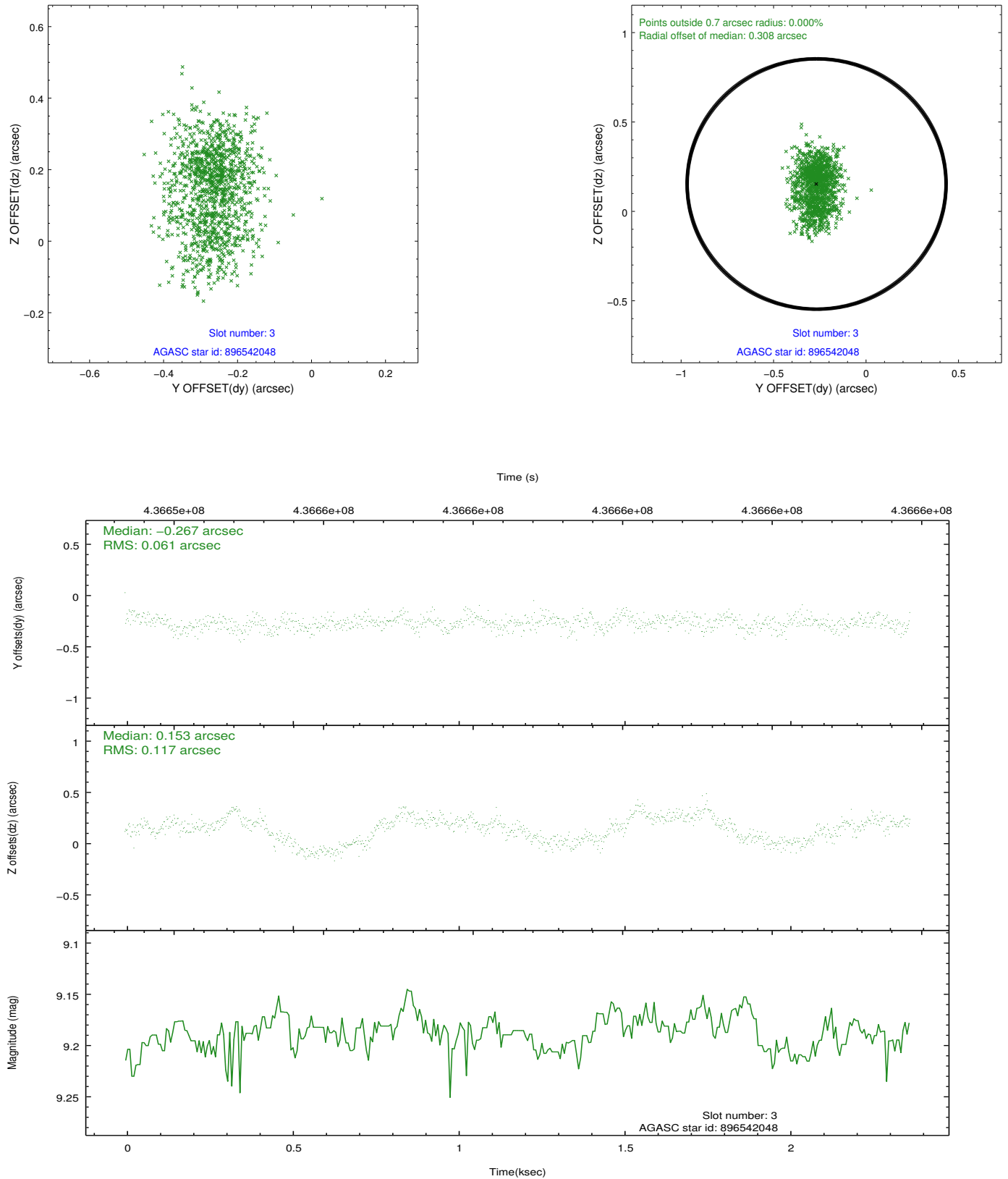


Slot Statistics

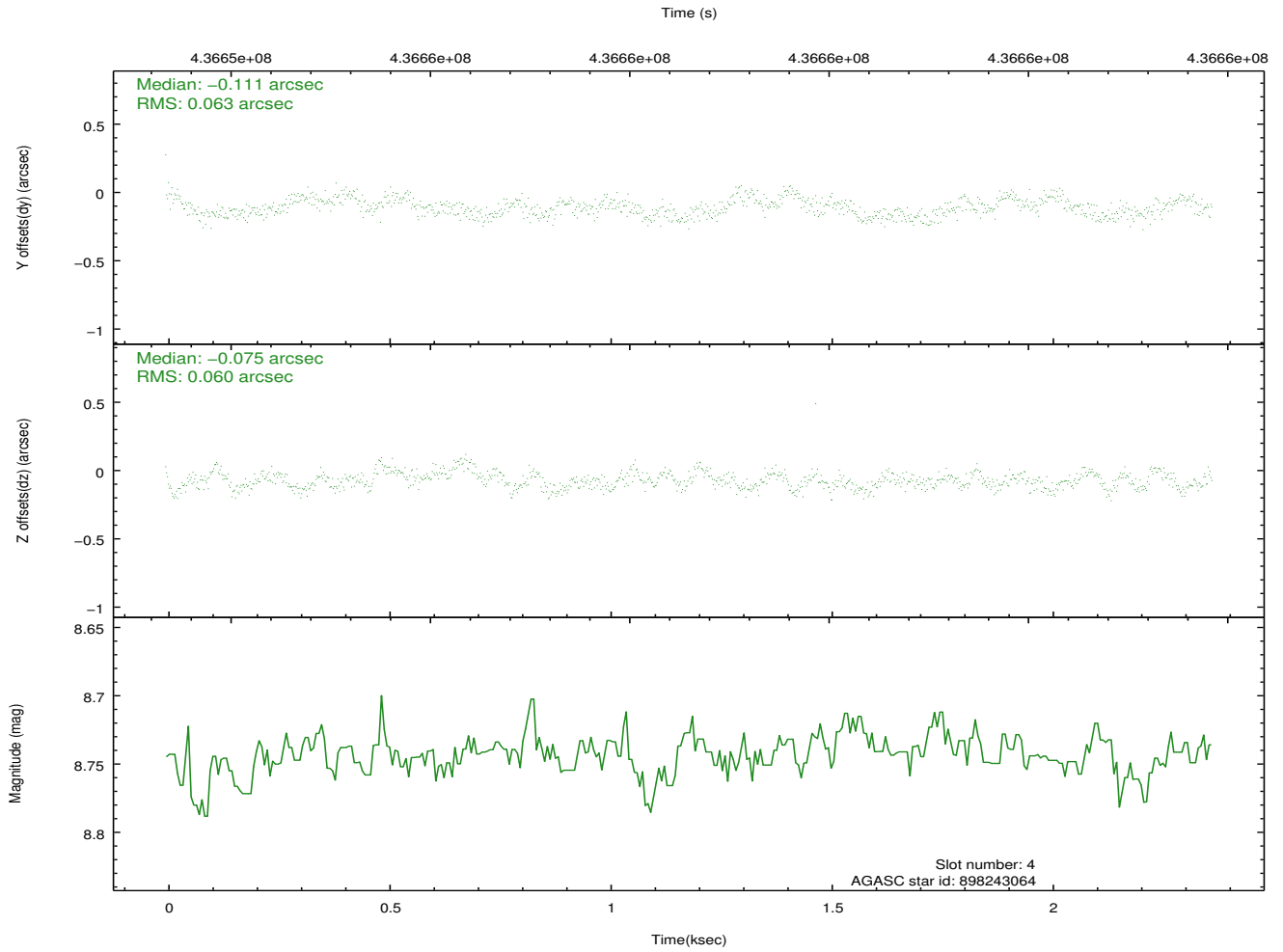
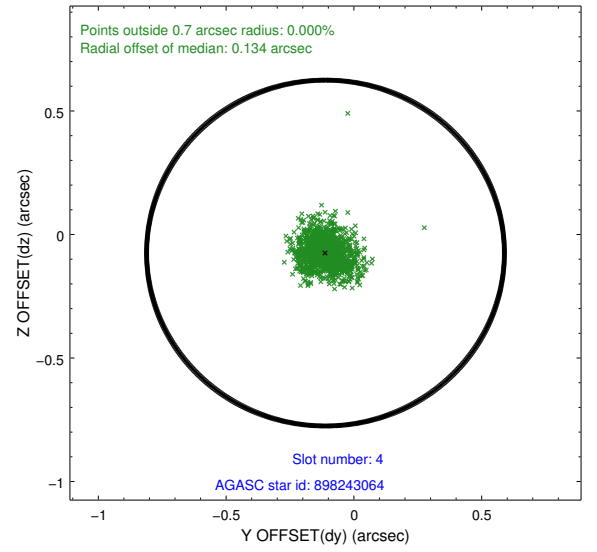
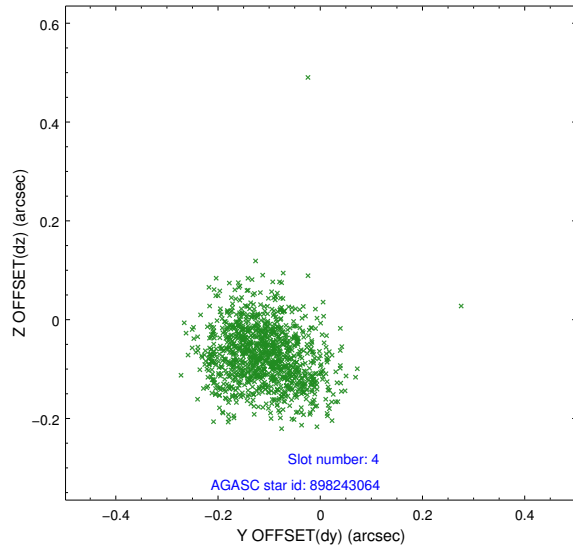
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	577	0.047	-0.022	0.006	0.010	0.000000	0.000000	927.77	-838.45
1	FID	ACIS-I-5	7.03	577	-0.205	0.052	0.006	0.010	0.000000	0.000000	-1819.08	1057.71
2	FID	ACIS-I-6	7.03	577	0.066	0.040	0.007	0.012	0.000000	0.000000	390.33	1705.33
3	GUIDE	896542048	9.19	1155	-0.267	0.153	0.139	0.236	267.742937	-29.132026	-2010.25	-1380.16
4	GUIDE	898243064	8.74	1154	-0.111	-0.075	0.093	0.148	268.852106	-29.678564	-431.71	2289.46
5	GUIDE	898248800	8.22	1155	-0.064	-0.038	0.073	0.123	267.977609	-29.931731	768.28	-325.89
6	GUIDE	967056000	9.27	1148	0.281	-0.051	0.125	0.189	267.890633	-30.287099	2071.20	-455.10
7	GUIDE	896536400	8.53	1153	0.169	0.021	0.076	0.124	267.359146	-29.438655	-773.45	-2451.44

2.4 Star Slots

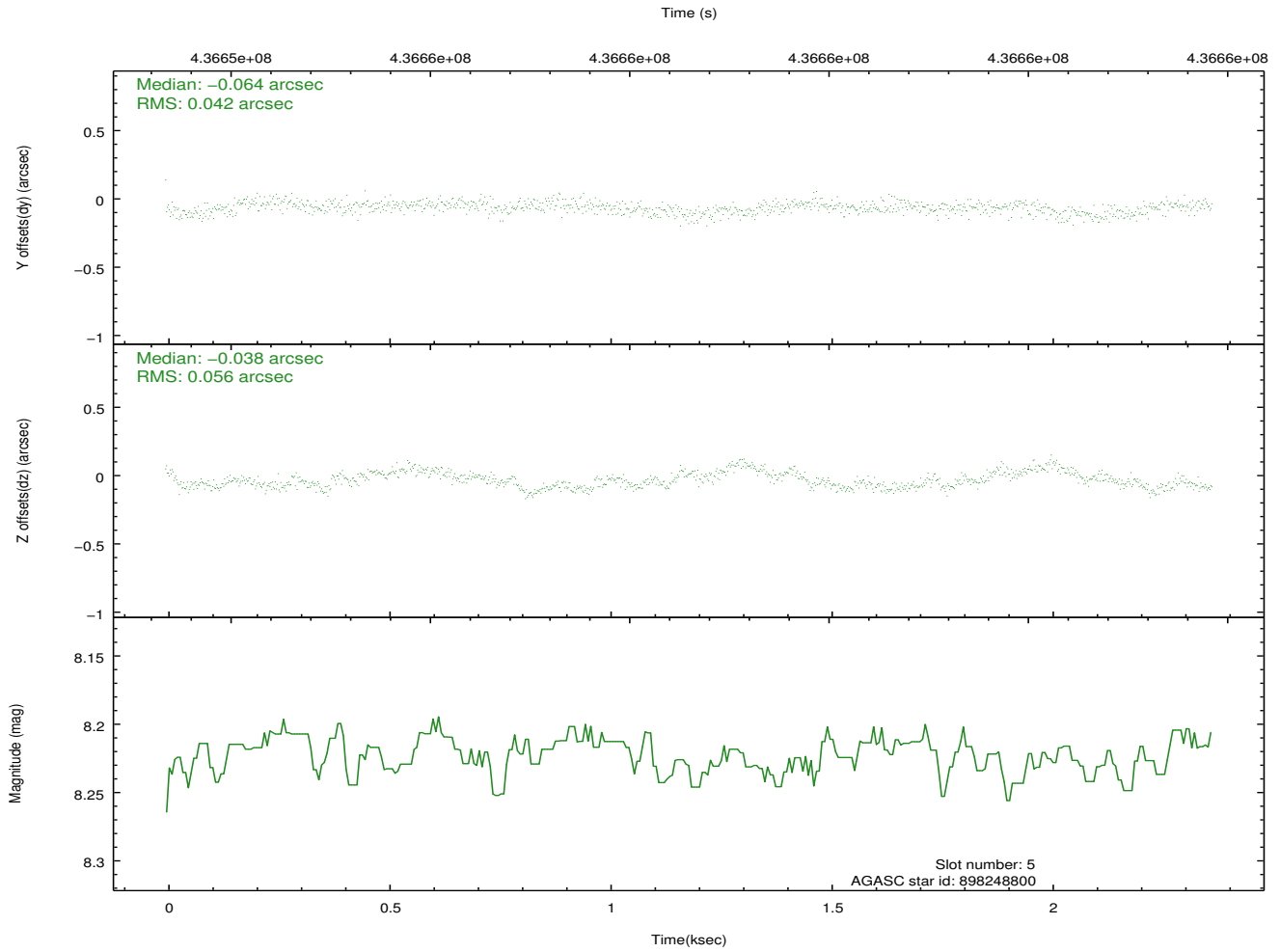
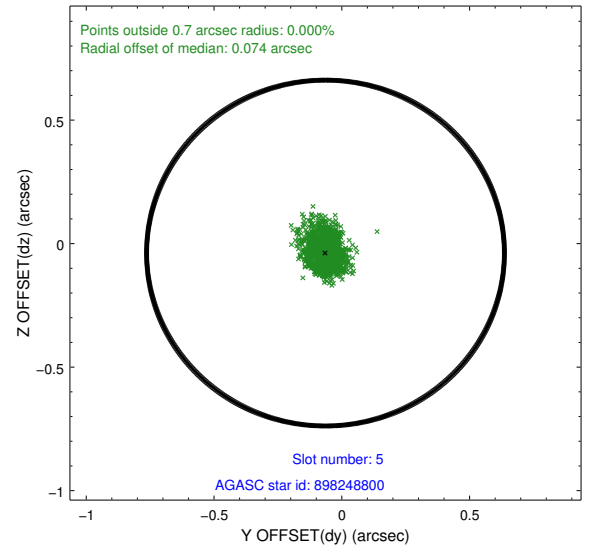
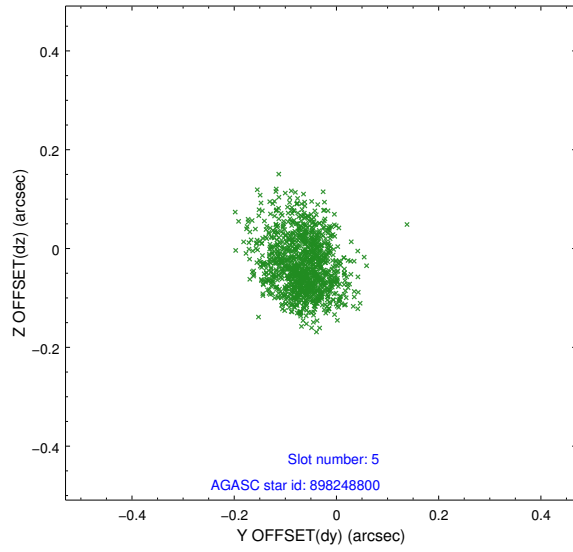
2.4.1 Slot 3



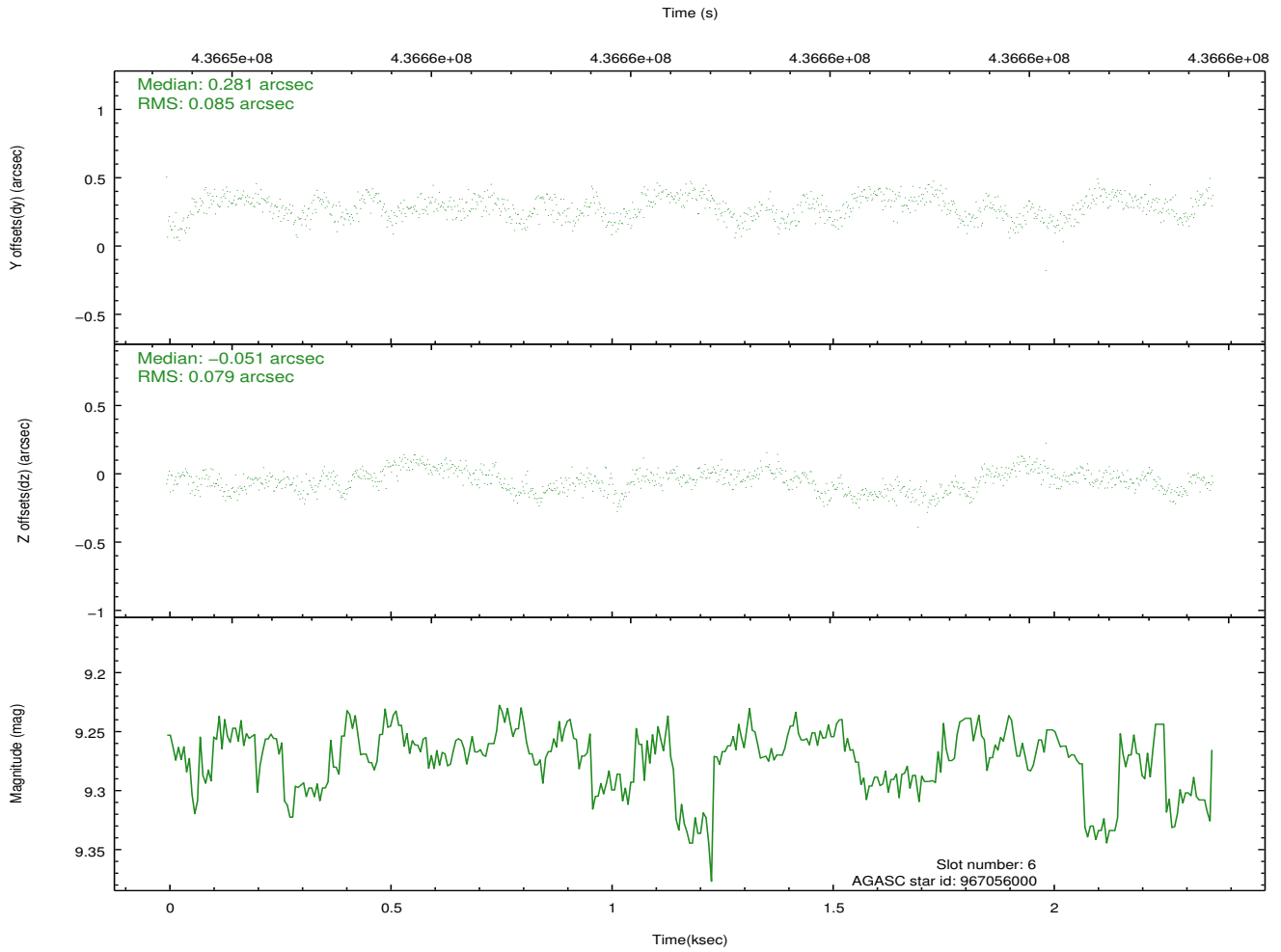
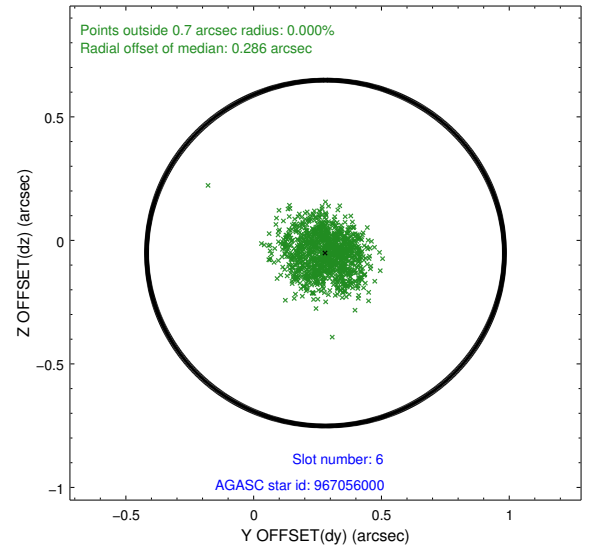
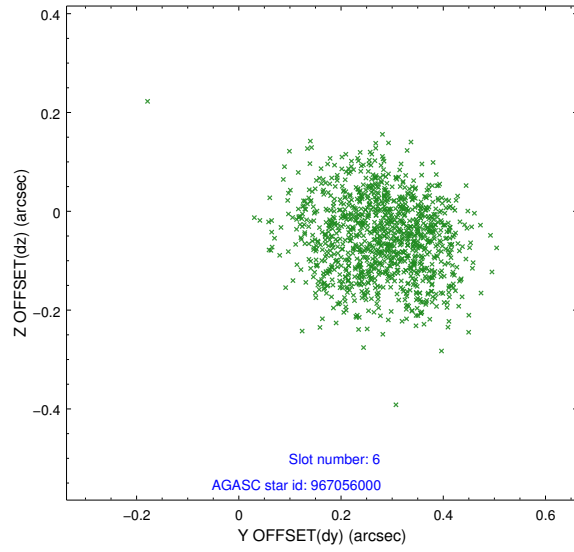
2.4.2 Slot 4



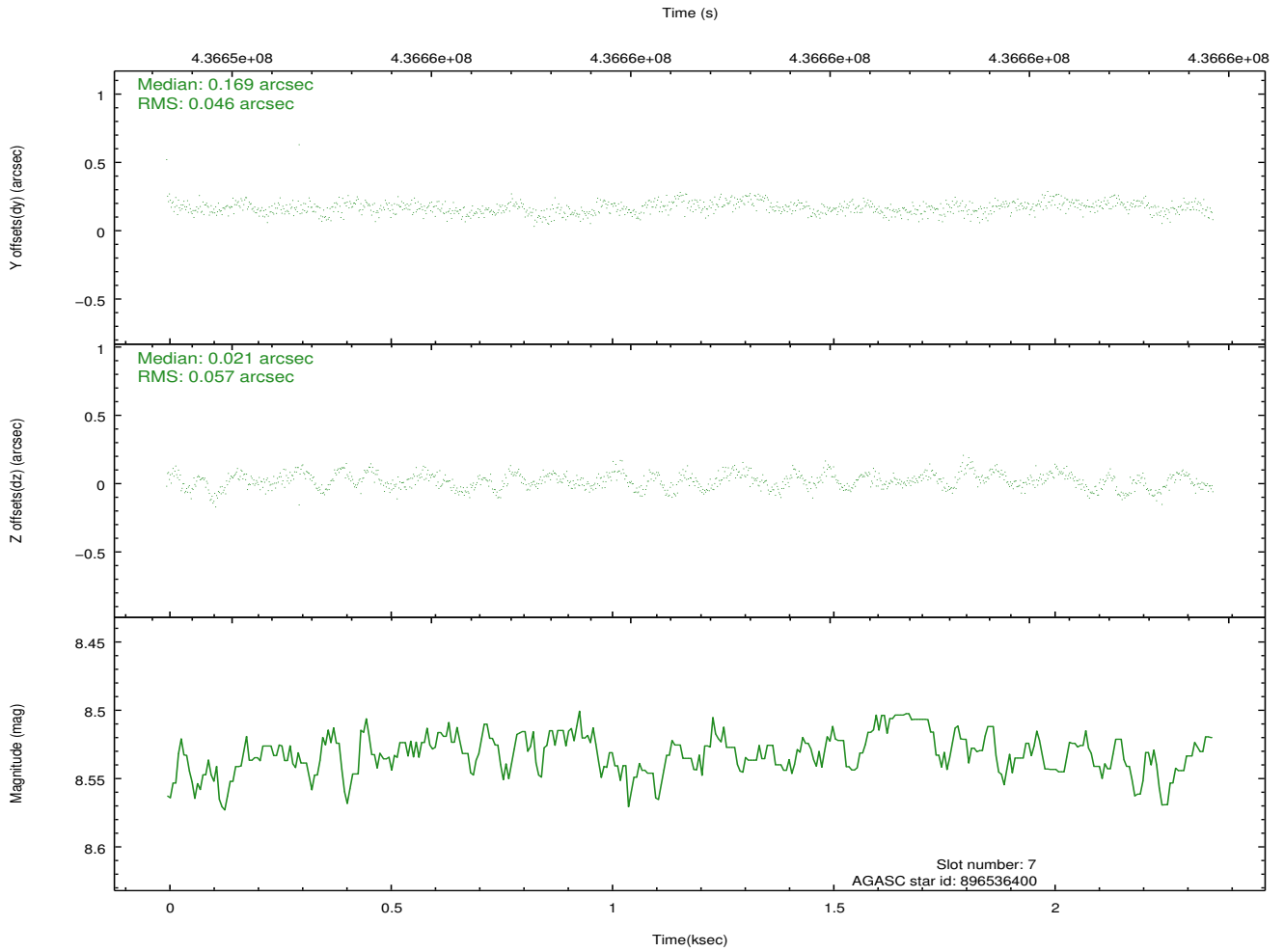
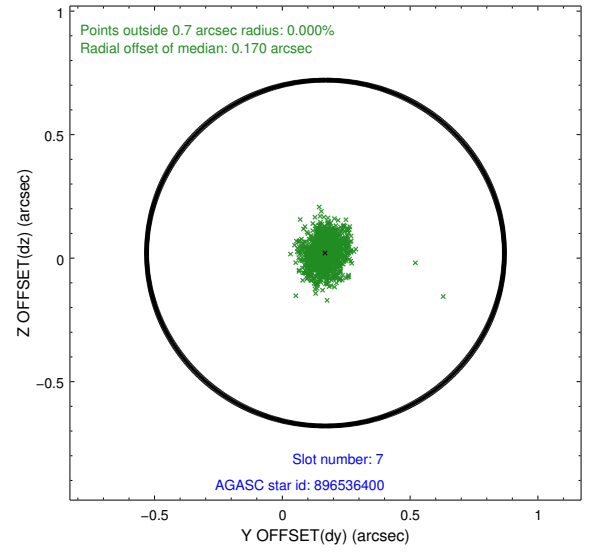
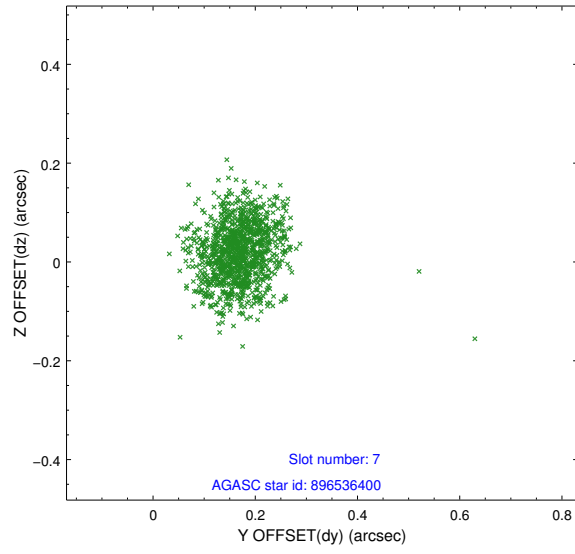
2.4.3 Slot 5



2.4.4 Slot 6

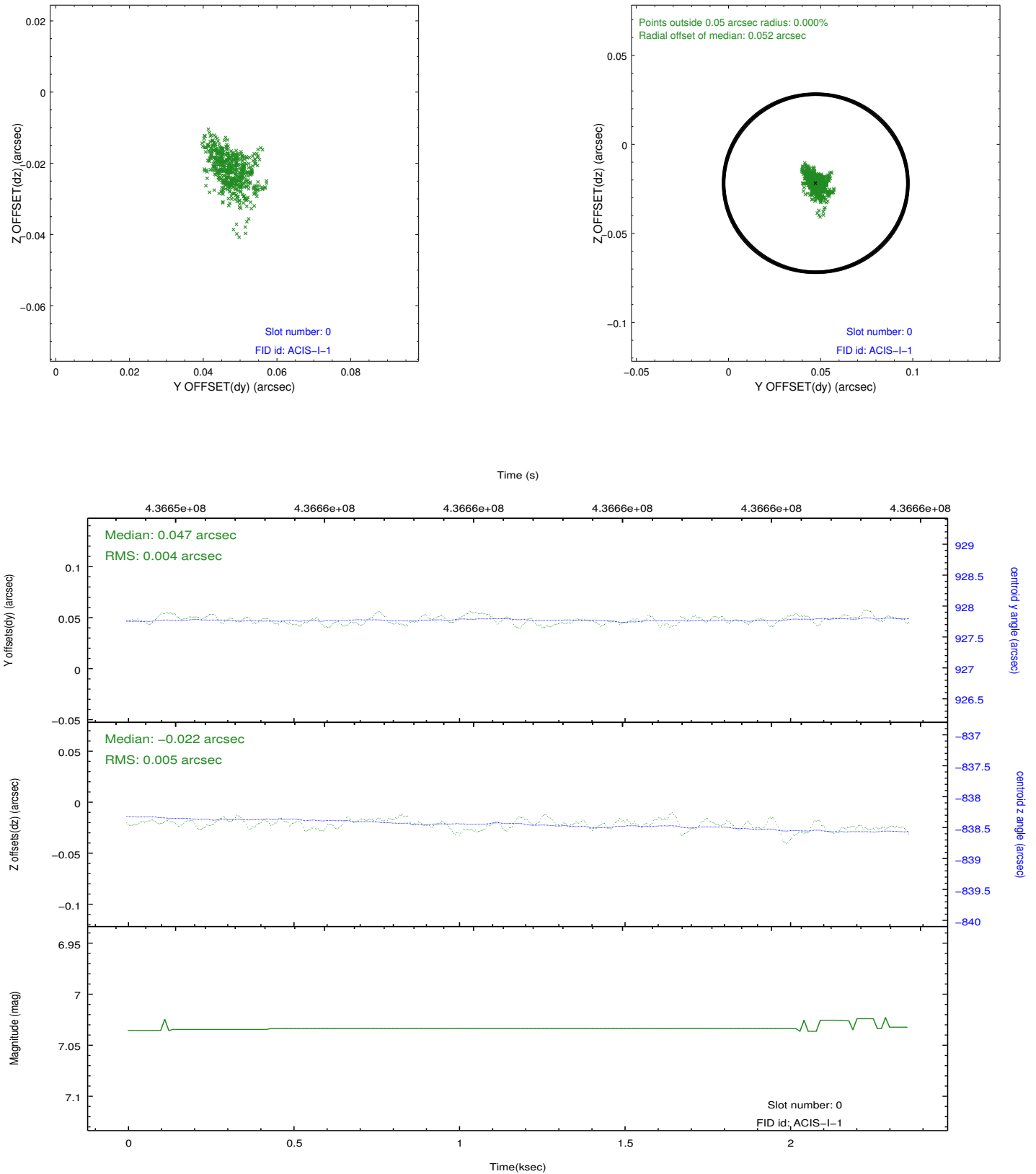


2.4.5 Slot 7

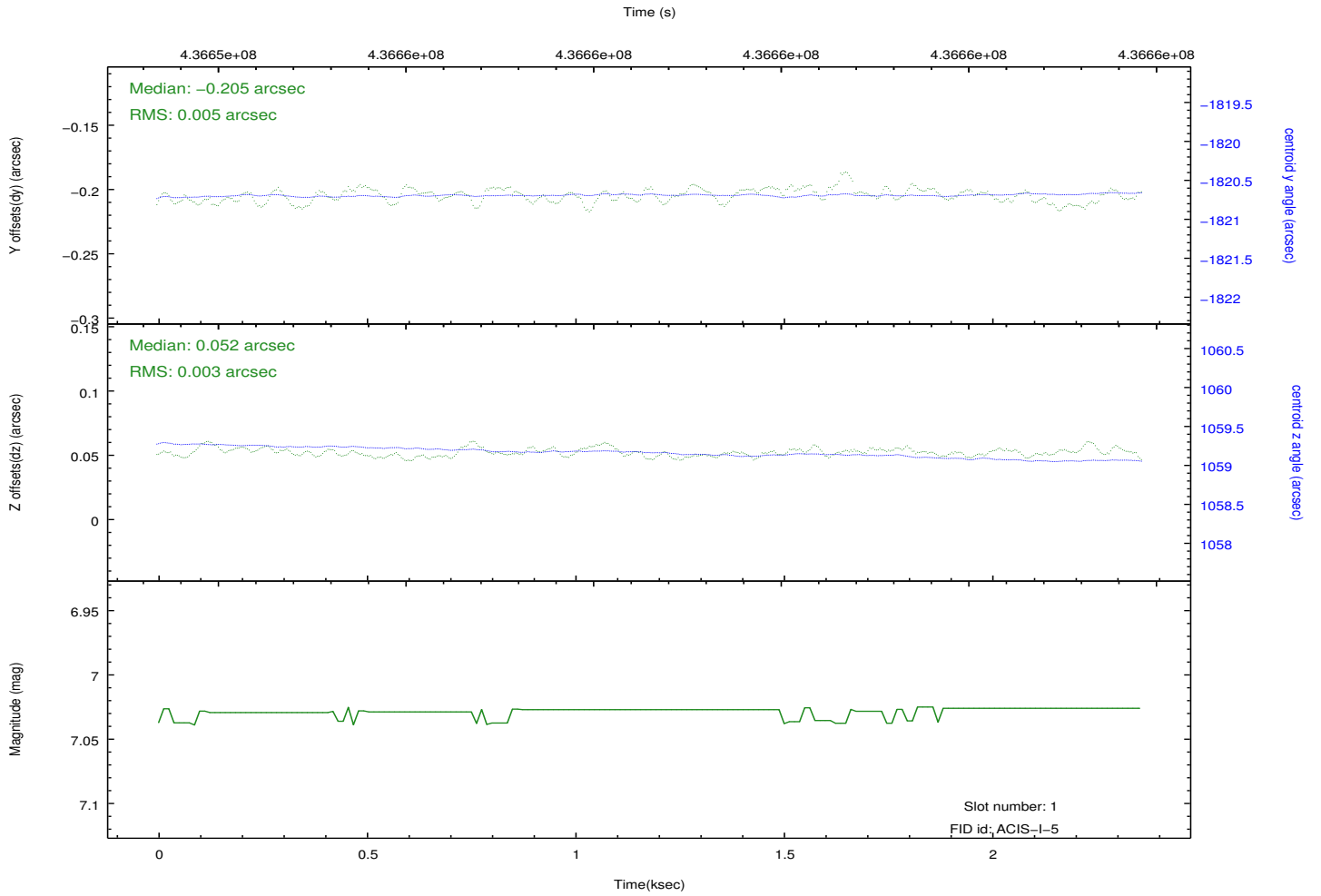
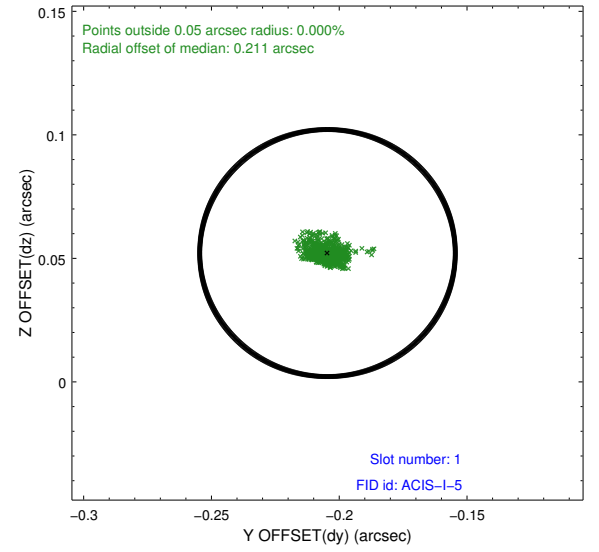
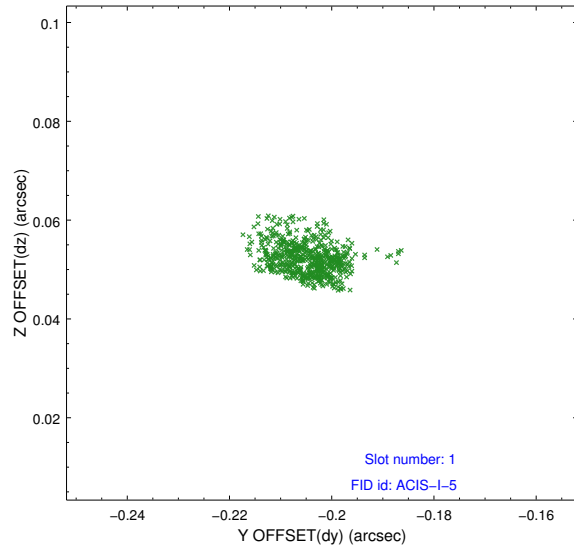


2.5 FID Slots

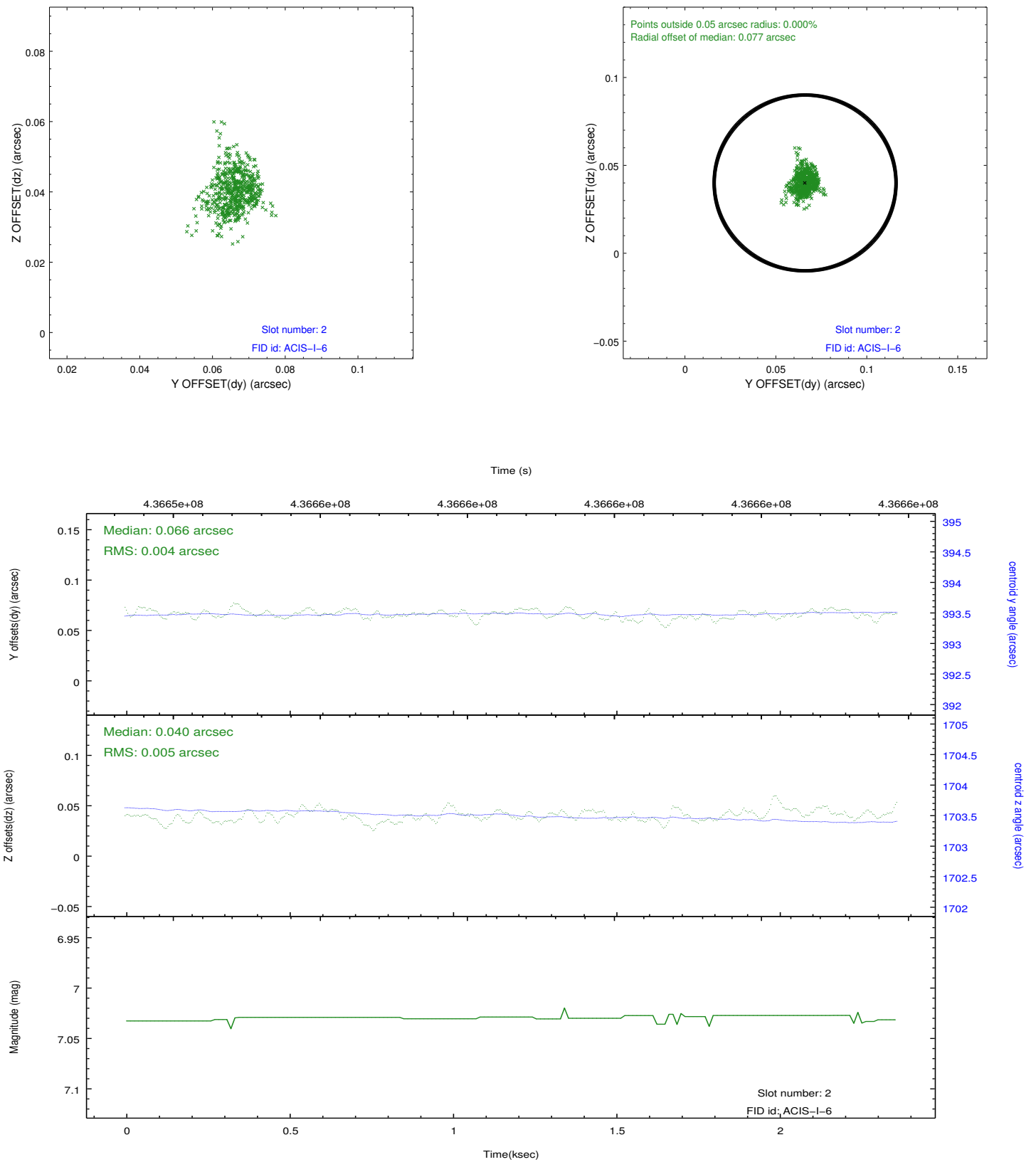
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9738848006129

A.2 Comments

Joint Proposal: NOAO