

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13531 - L2 Version 2
Chandra X-Ray Center

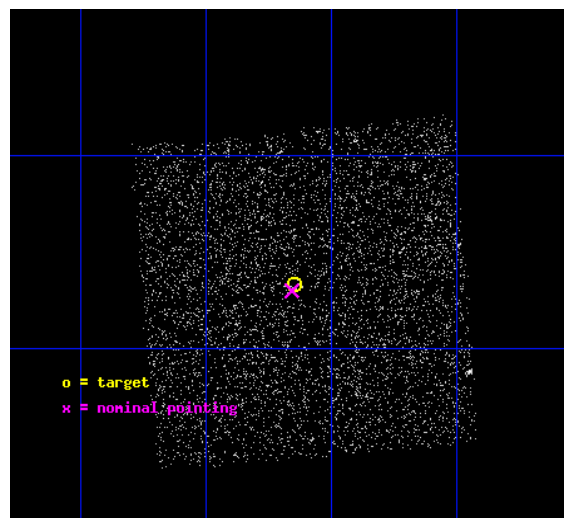
L2 Processing Date : Feb 25 2012

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1 Front

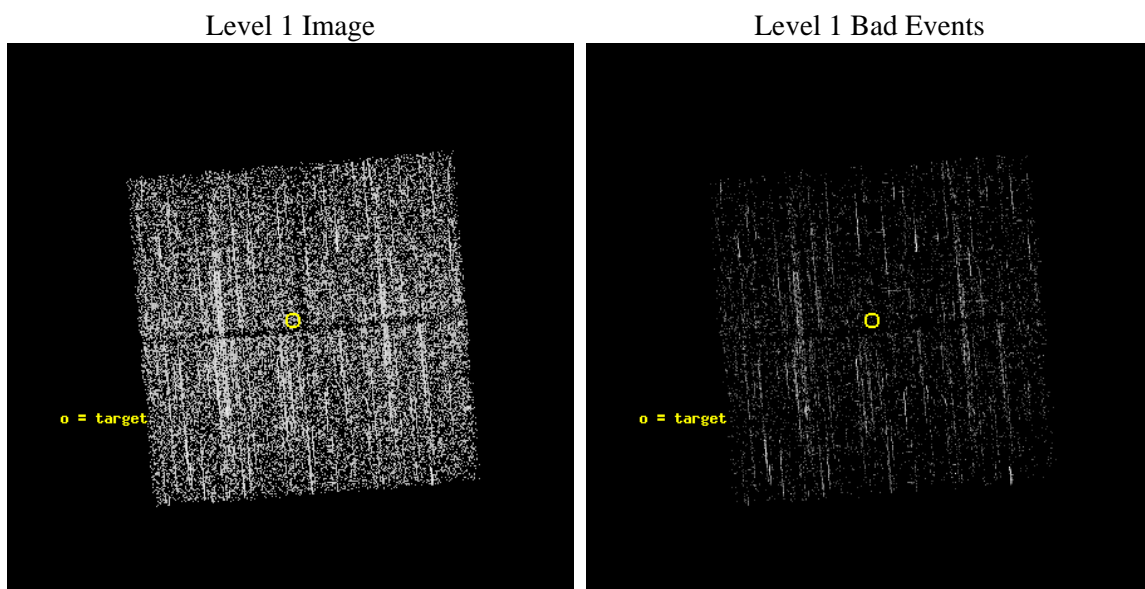
seq_num	401307	Sequence number
obs_id	13531	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.662157	Observer's specified target RA [deg]
dec_targ	-28.944732	Observer's specified target Dec [deg]
ra_nom	268.66449025493	Nominal RA [deg]
dec_nom	-28.950310831926	Nominal Dec [deg]
roll_nom	265.23898673804	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.7687135935	Sum of GTIs [s]
livetime	1947.979972283	Livetime [s]
ontime0	1973.6455935836	Sum of GTIs [s]
ontime1	1973.6866335869	Sum of GTIs [s]
ontime2	1973.7276735902	Sum of GTIs [s]
ontime3	1973.7687135935	Sum of GTIs [s]
l2events	6246	Number of level 2 events



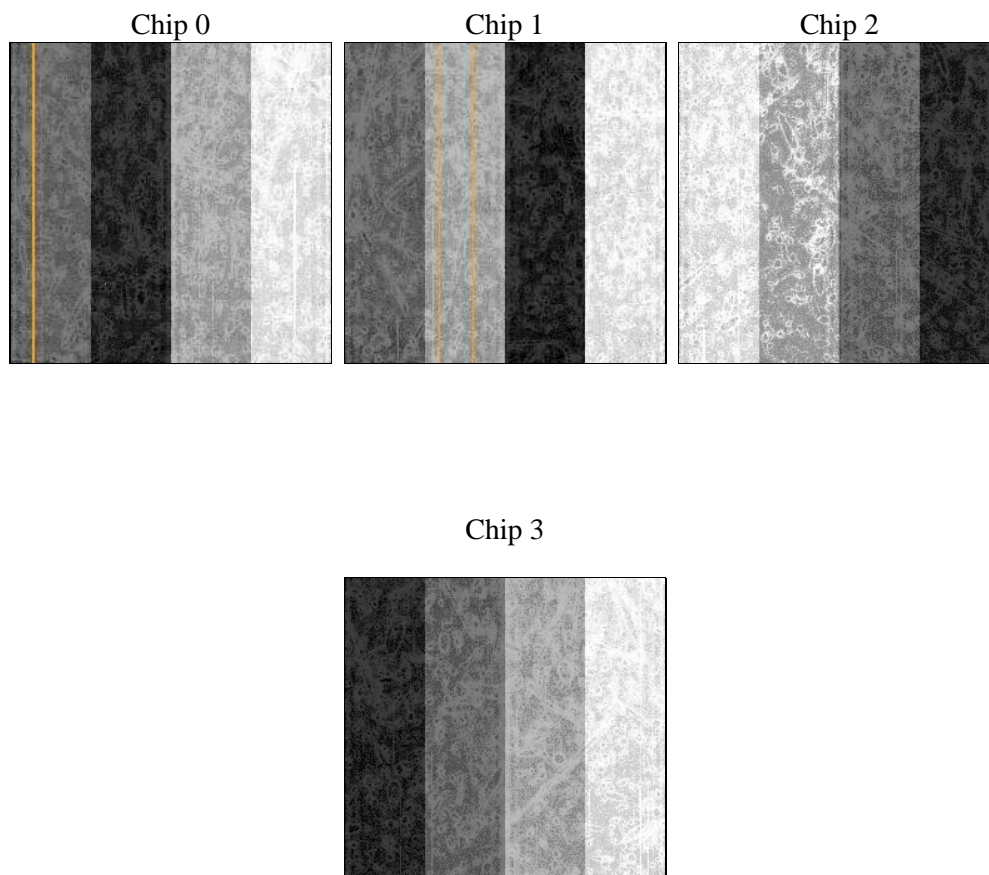
2 OBI

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	1973.7687135935	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.6455935836	Sum of GTIs [s]
date	2012-02-26T01:05:13	Date and time of file creation	ontime1	1973.6866335869	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.7276735902	Sum of GTIs [s]
			ontime3	1973.7687135935	Sum of GTIs [s]
			l1events	49446	Number of level 1 events

2.1.4 Events

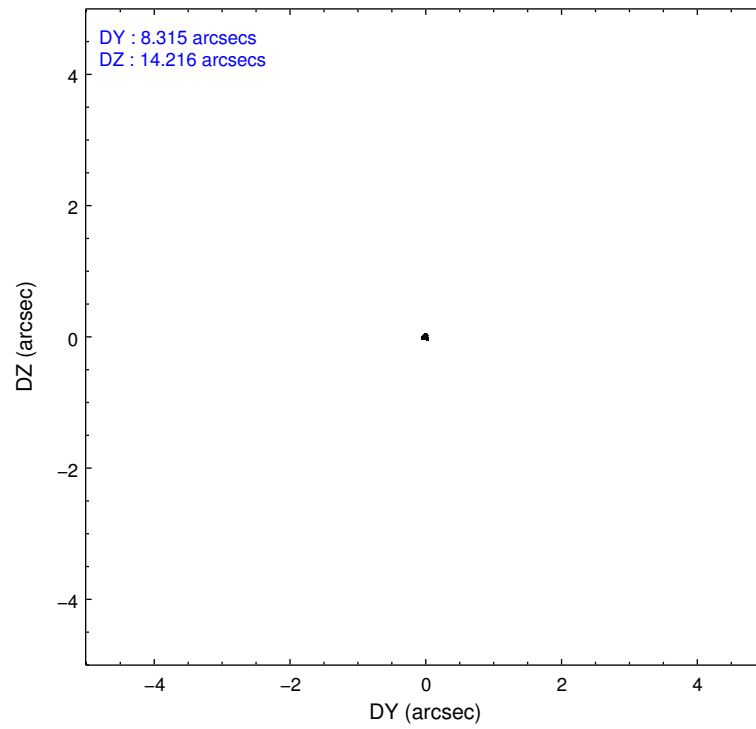
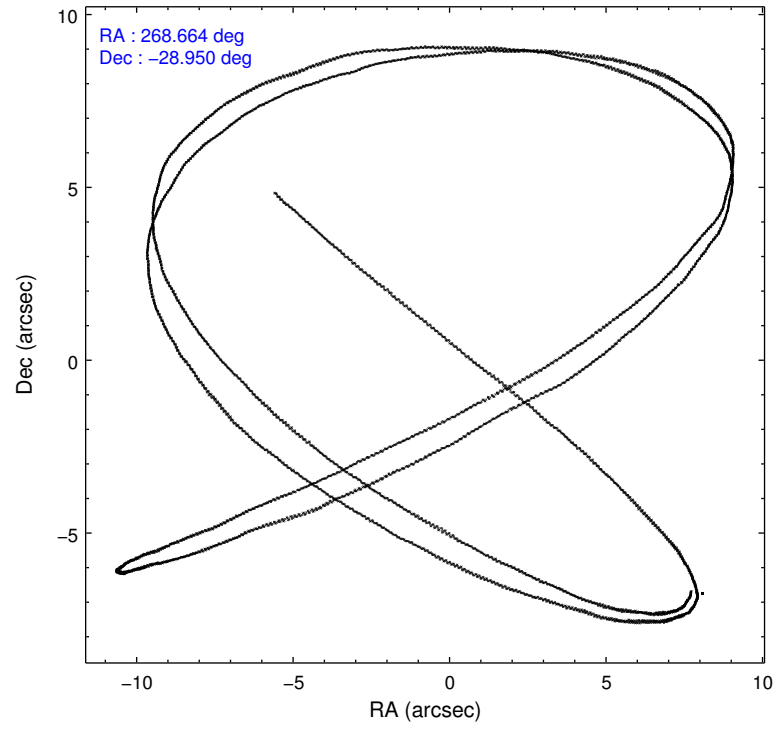
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11702	11630	13891	12223
rejected events	9892	9692	12105	10500
rejected %	84%	83%	87%	85%

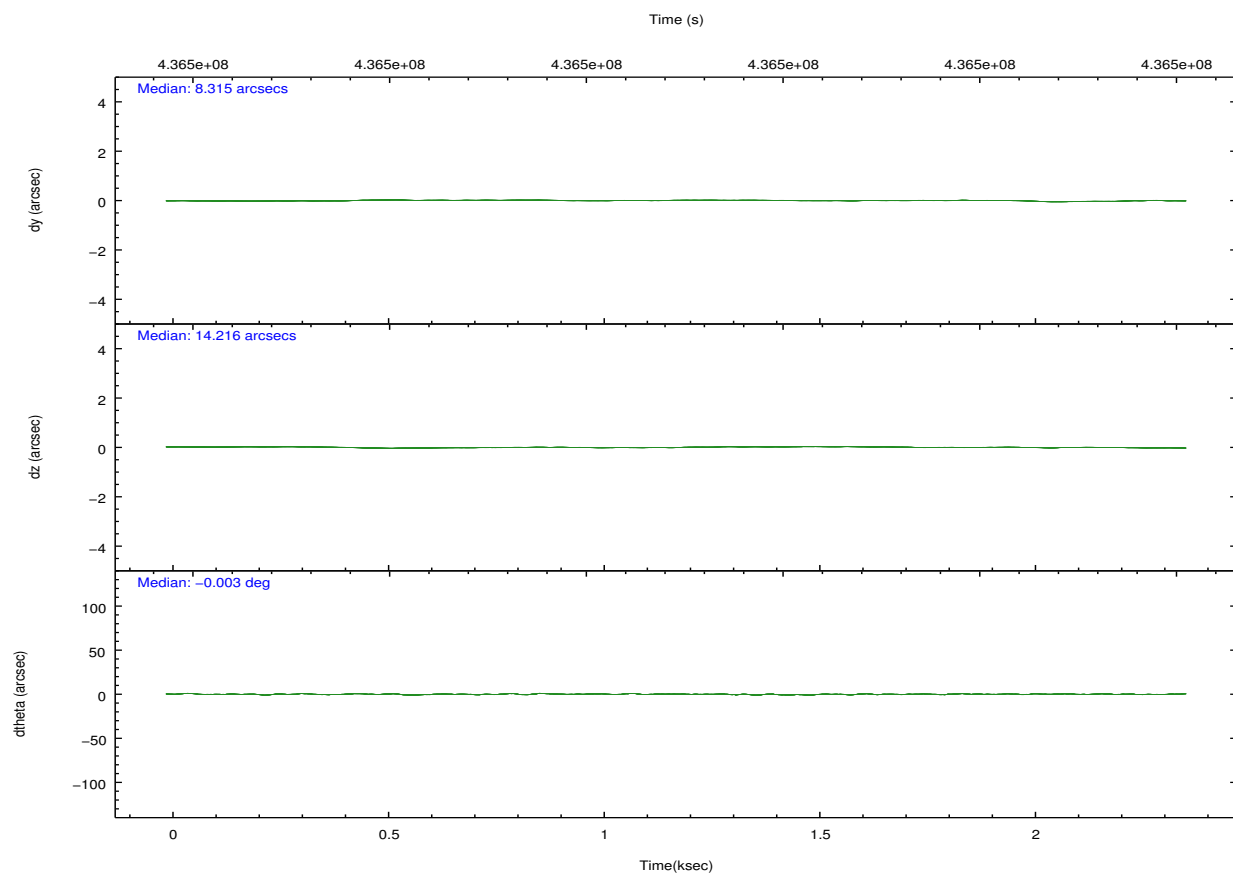
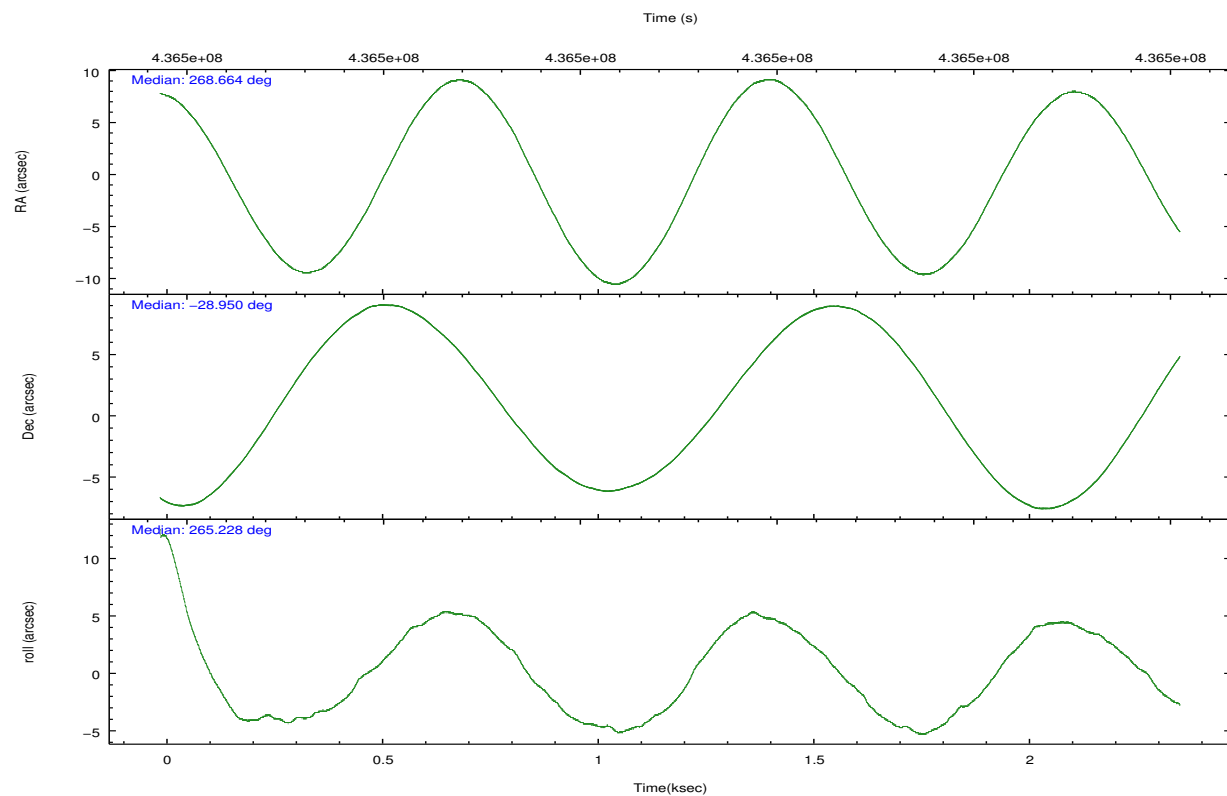
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	843	891	830	797
	7%	7%	5%	6%
grade 1 events	10	6	10	5
	0%	0%	0%	0%
grade 2 events	415	412	405	351
	3%	3%	2%	2%
grade 3 events	134	158	160	149
	1%	1%	1%	1%
grade 4 events	163	151	136	145
	1%	1%	0%	1%
grade 5 events	549	517	501	649
	4%	4%	3%	5%
grade 6 events	264	332	264	285
	2%	2%	1%	2%
grade 7 events	9324	9163	11585	9842
	79%	78%	83%	80%

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	268.650897	268.664490254928	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.925300	-28.95031083192573	Alternating exposures requested	N	N
[deg] Pointing Roll	265.023740	265.2389867380443	[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)	436502729.184000	436502353.18093			
Observation start date	2011-11-01T02:44:23	2011-11-01T02:39:13			
[s] Observation end time (MET)	436504909.184000	436505042.78107			
Observation end date	2011-11-01T03:20:43	2011-11-01T03:24:02			
Read mode	TIMED	TIMED			

2.3 Aspect



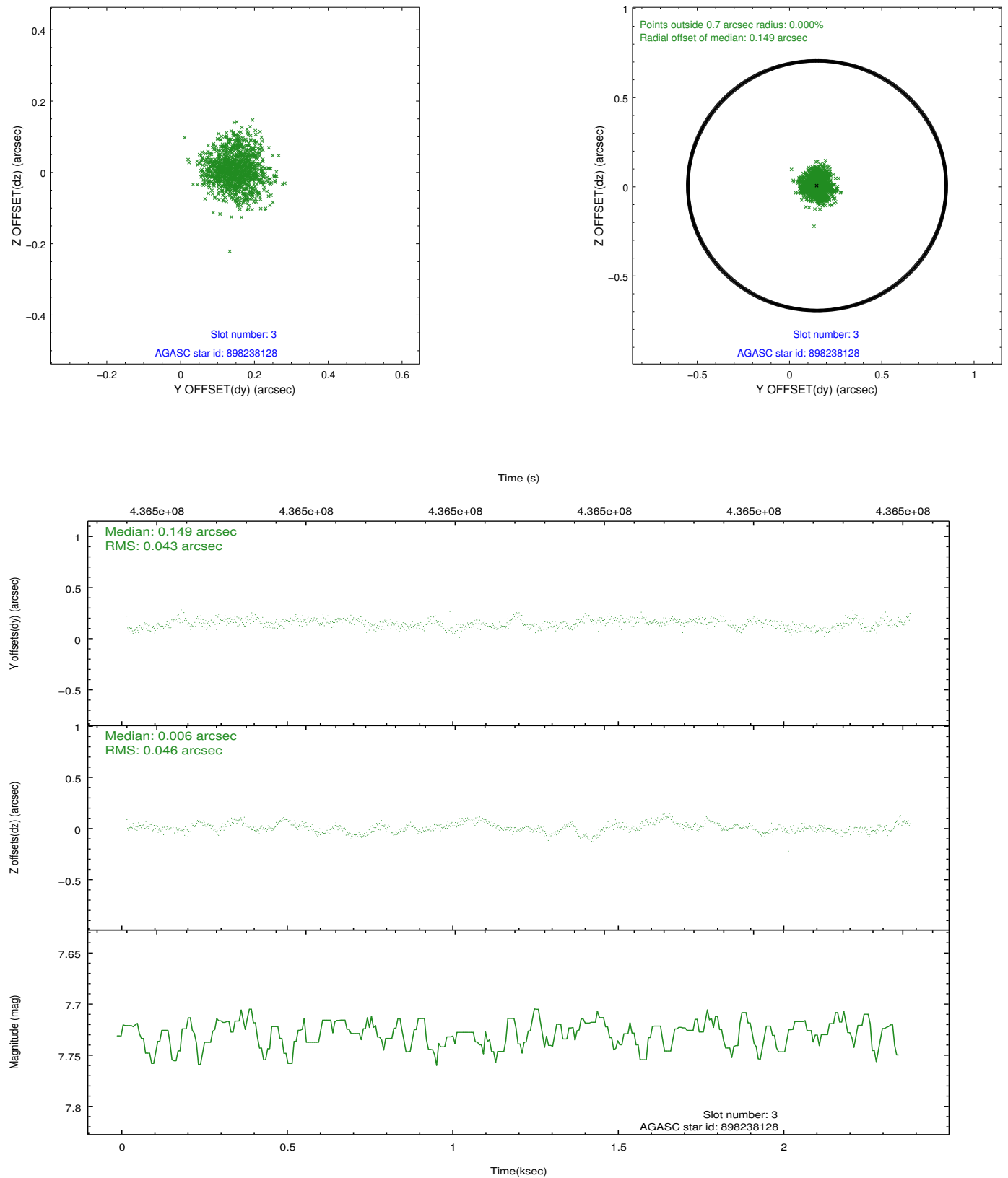


Slot Statistics

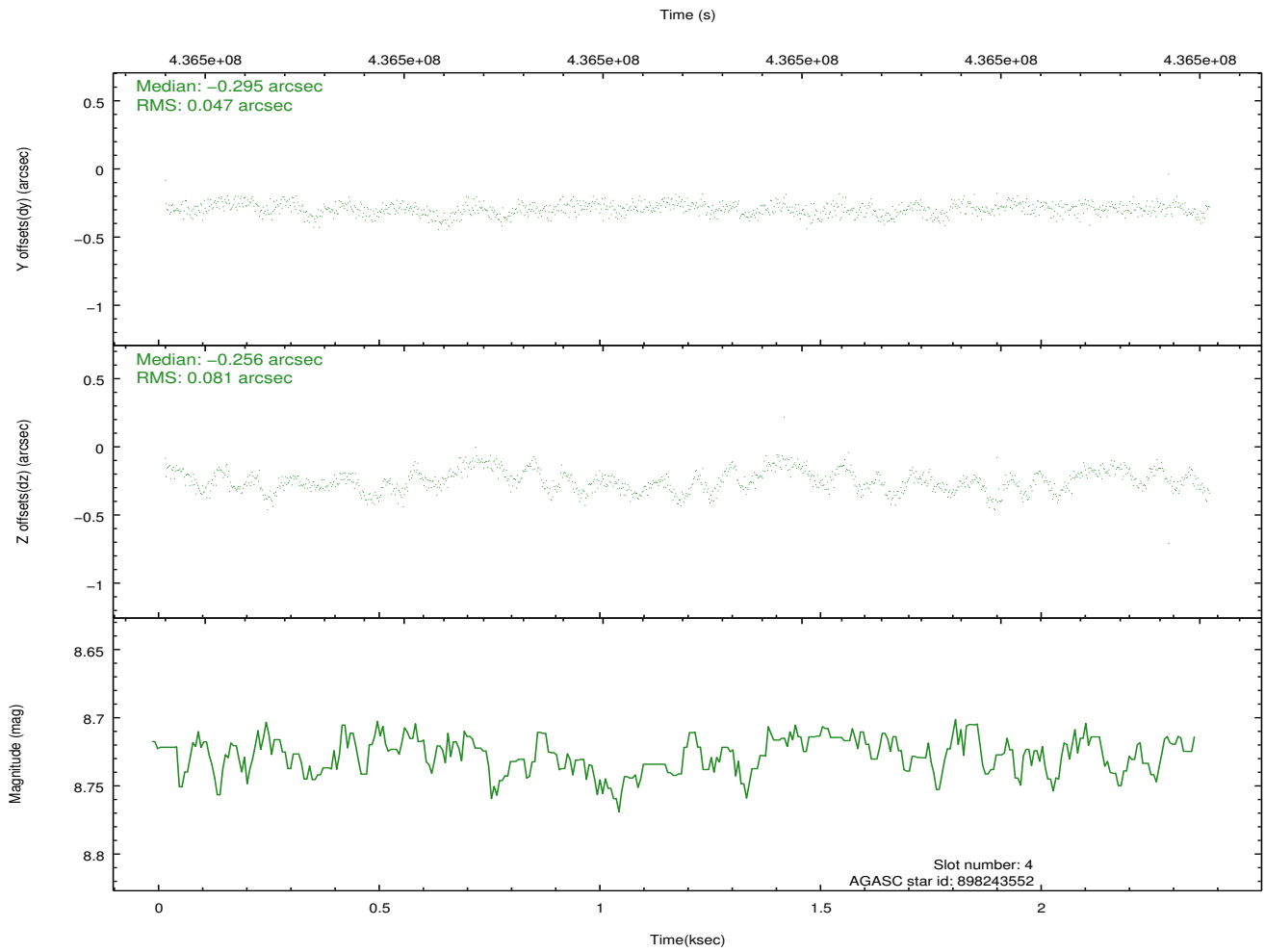
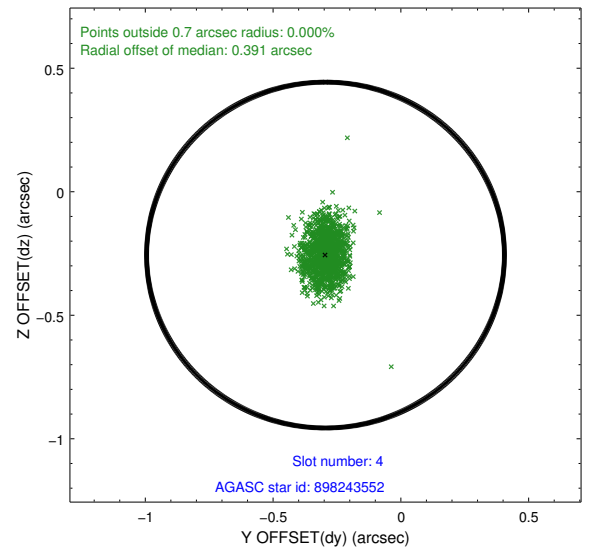
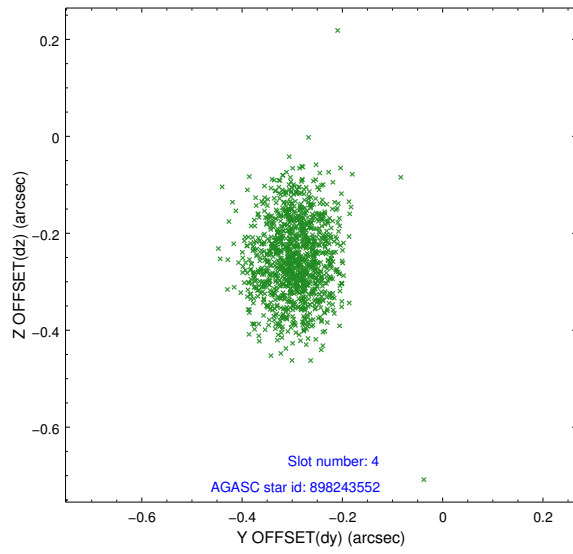
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	577	0.080	-0.044	0.006	0.010	0.000000	0.000000	931.42	-837.83
1	FID	ACIS-I-5	7.00	577	-0.233	0.076	0.007	0.012	0.000000	0.000000	-1815.50	1058.37
2	FID	ACIS-I-6	7.00	577	0.062	0.038	0.006	0.011	0.000000	0.000000	393.94	1705.97
3	GUIDE	898238128	7.73	1155	0.149	0.006	0.068	0.105	268.450740	-28.688500	-793.91	-703.78
4	GUIDE	898243552	8.73	1155	-0.295	-0.256	0.098	0.158	267.970066	-28.622317	-894.75	-2238.49
5	GUIDE	898247688	8.66	1153	0.218	0.027	0.073	0.125	268.426687	-29.012154	372.68	-677.89
6	GUIDE	898258992	8.01	1155	-0.103	0.046	0.084	0.131	269.435214	-28.570389	-1480.37	2359.46
7	GUIDE	898267256	9.38	1153	0.036	0.182	0.115	0.190	269.153744	-29.049851	310.96	1618.00

2.4 Star Slots

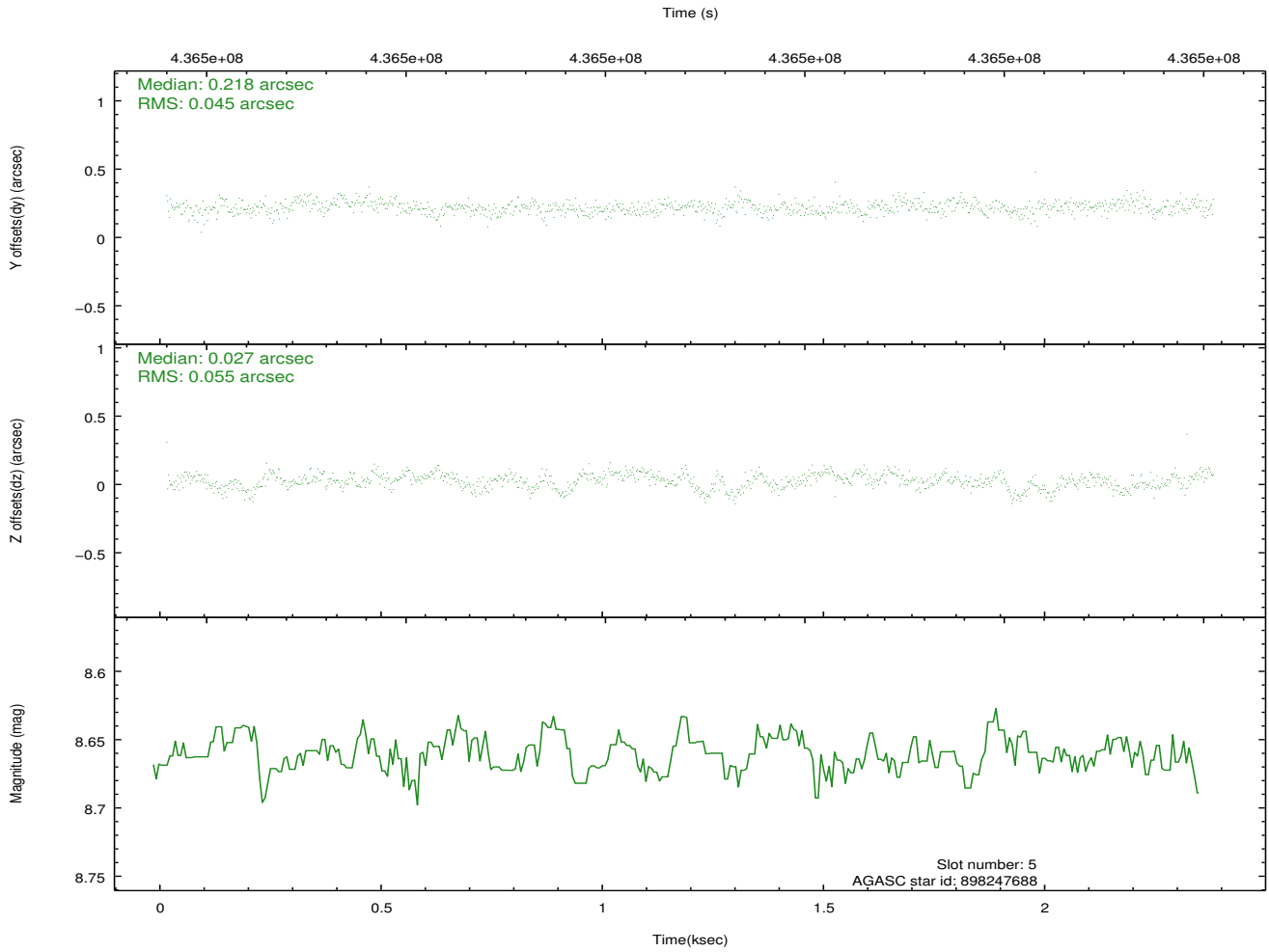
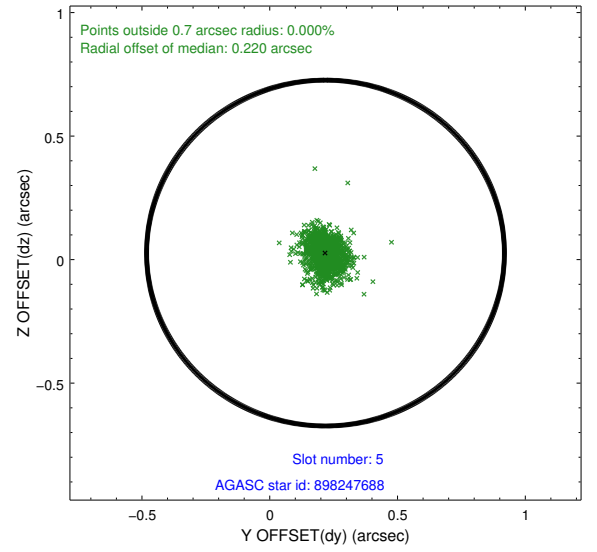
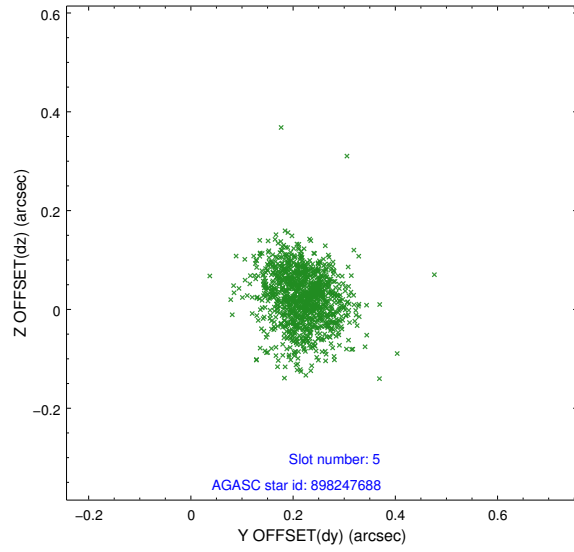
2.4.1 Slot 3



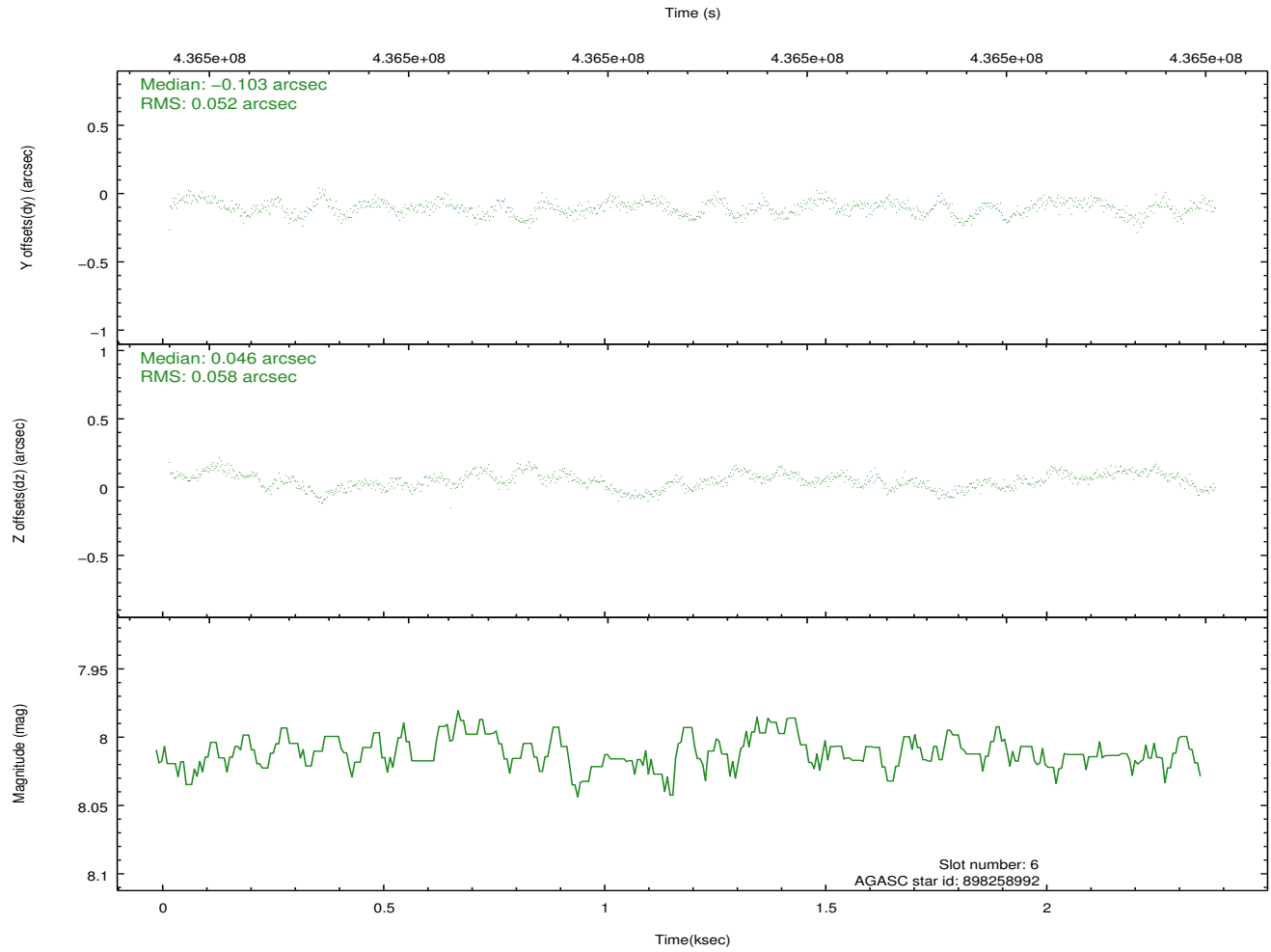
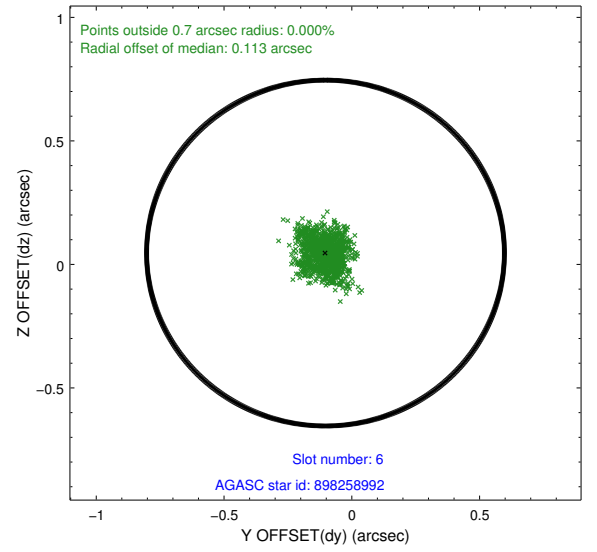
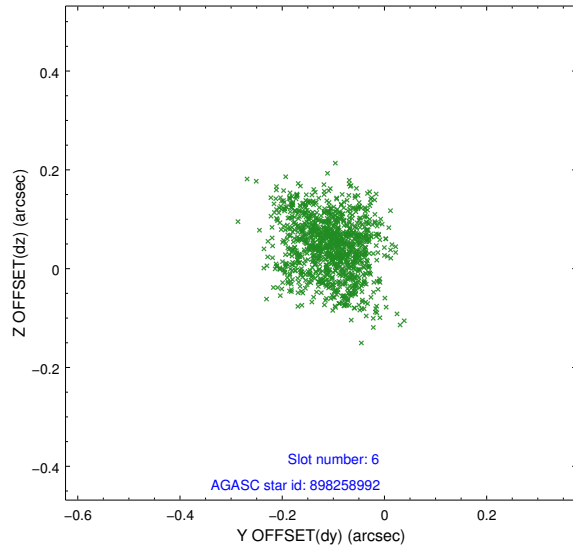
2.4.2 Slot 4



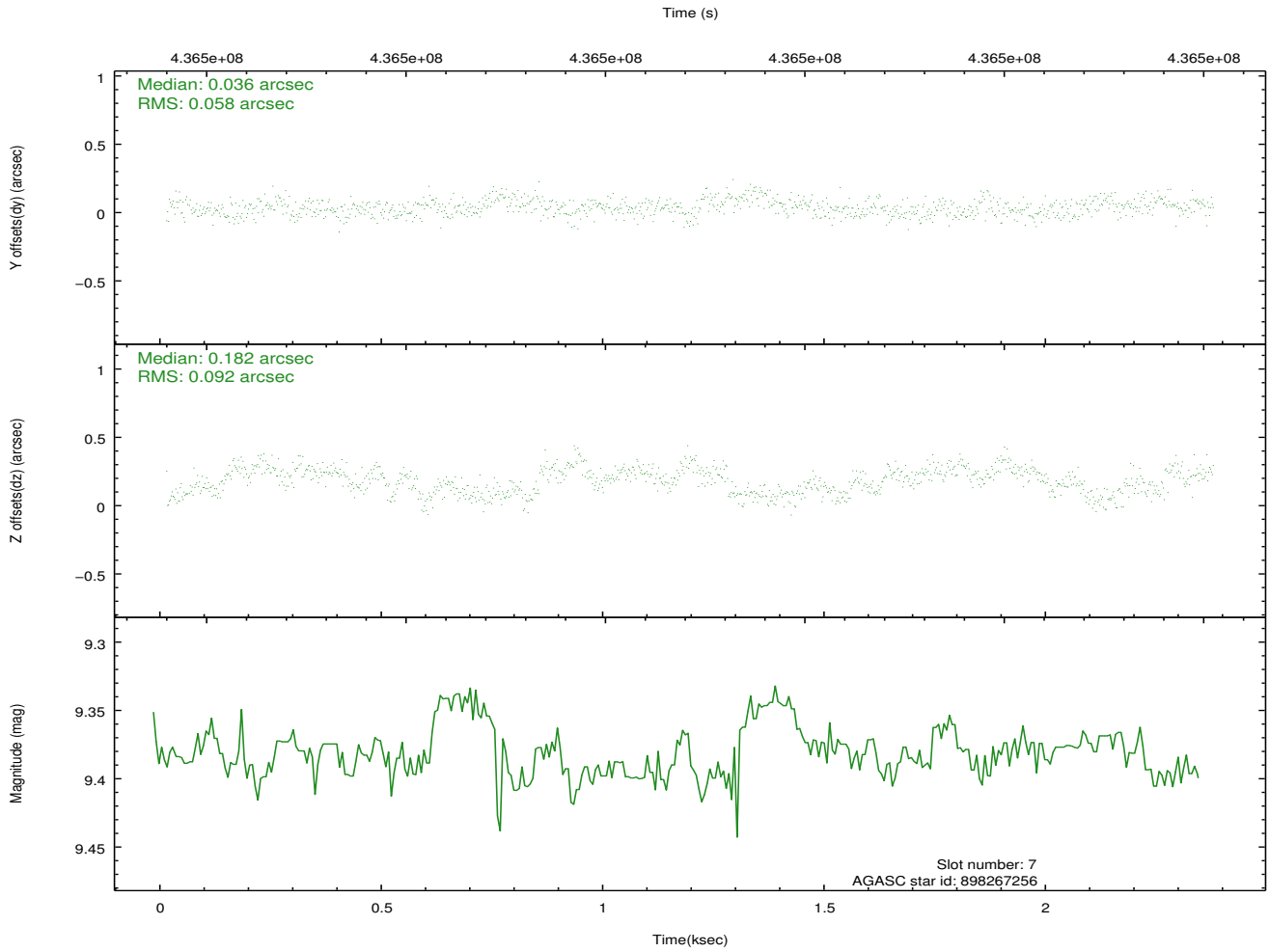
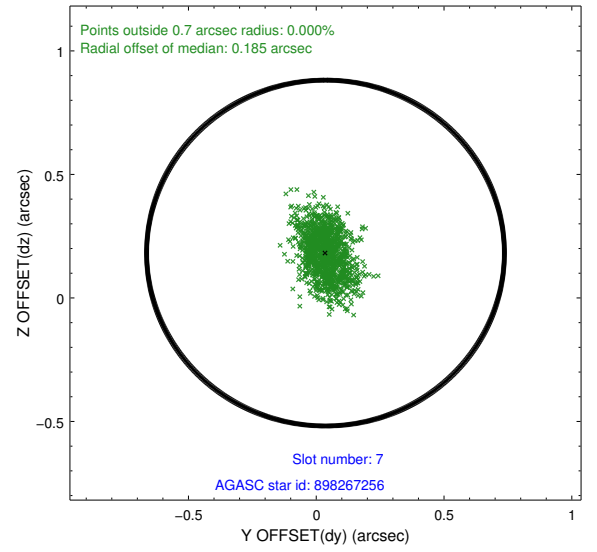
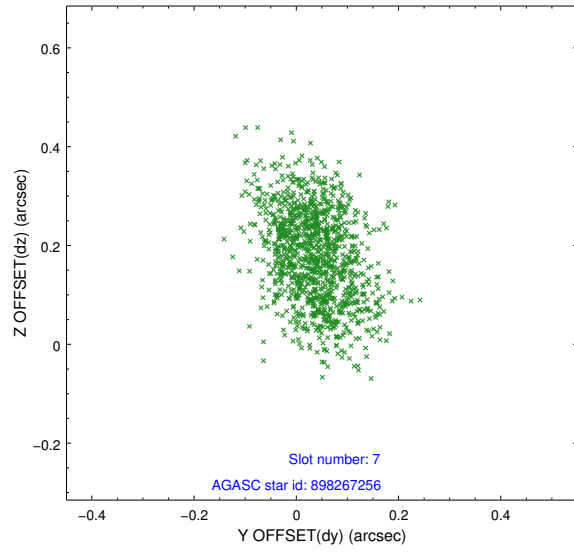
2.4.3 Slot 5



2.4.4 Slot 6

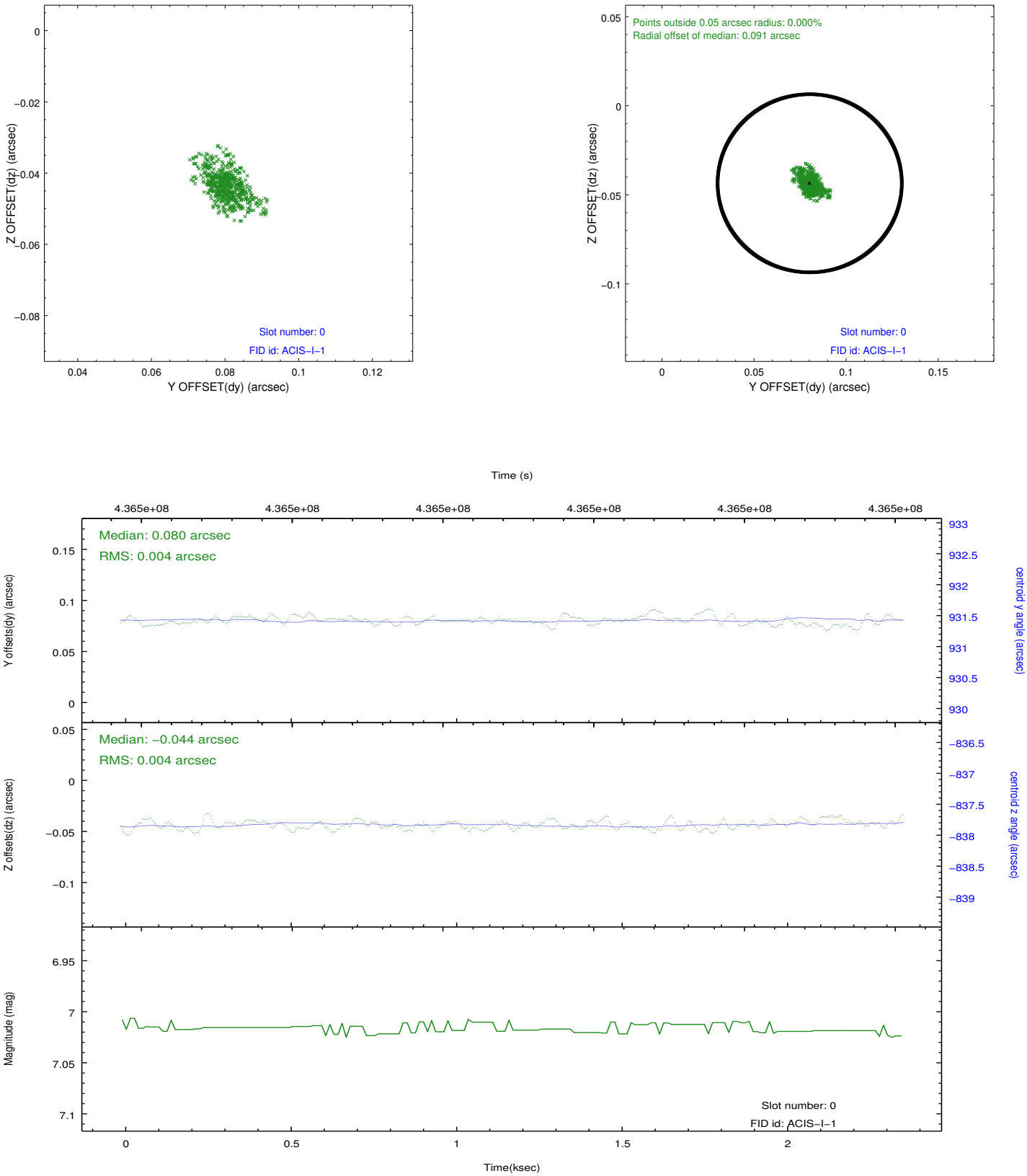


2.4.5 Slot 7

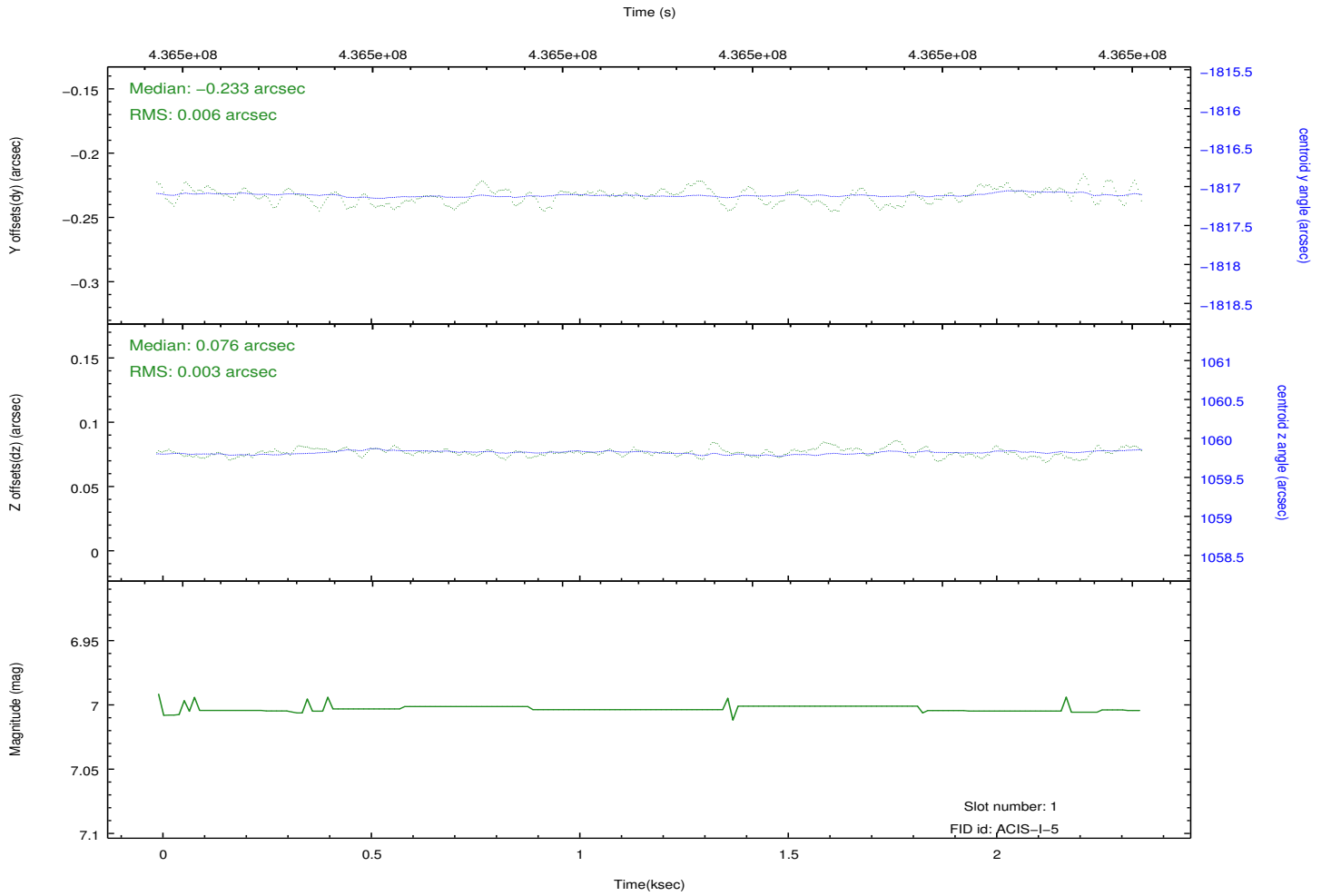
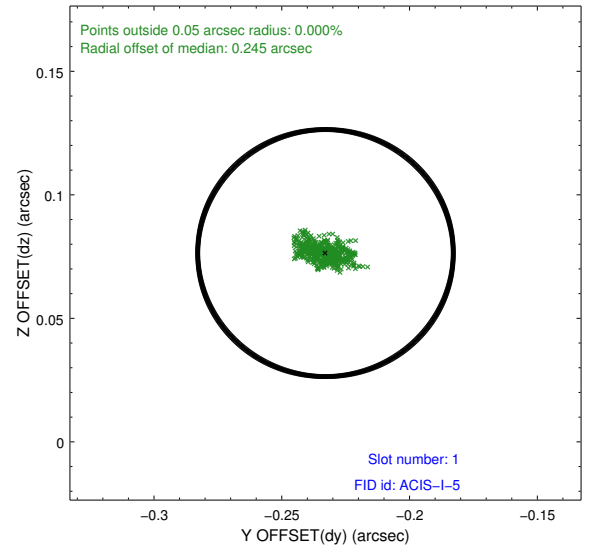
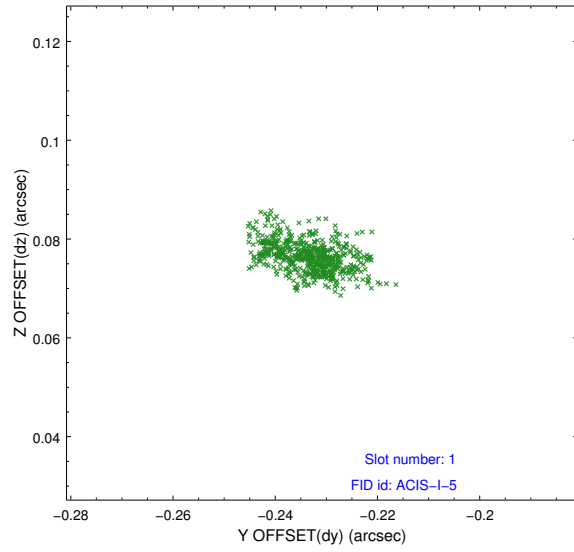


2.5 FID Slots

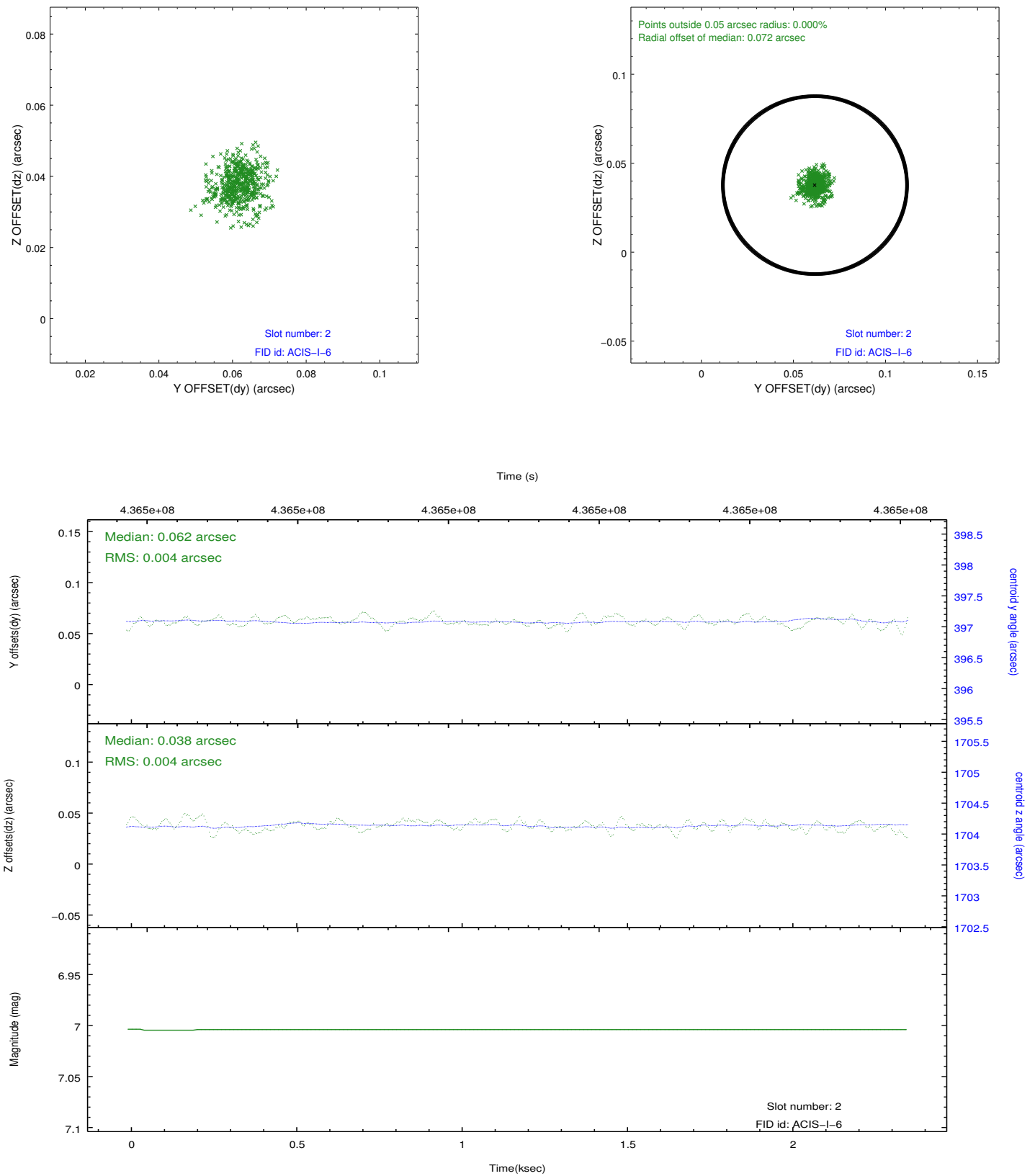
2.5.1 Slot 0



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	1.9737687096596

A.2 Comments

Joint Proposal: NOAO