

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9980 - L2 Version 2
Chandra X-Ray Center

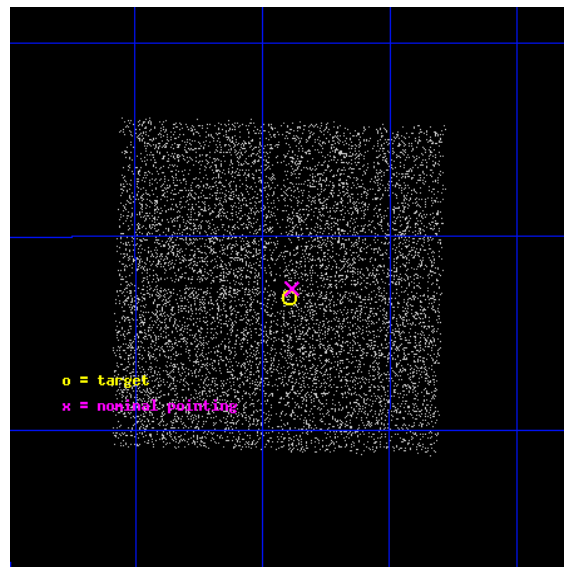
L2 Processing Date : Jun 1 2012

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1 Front

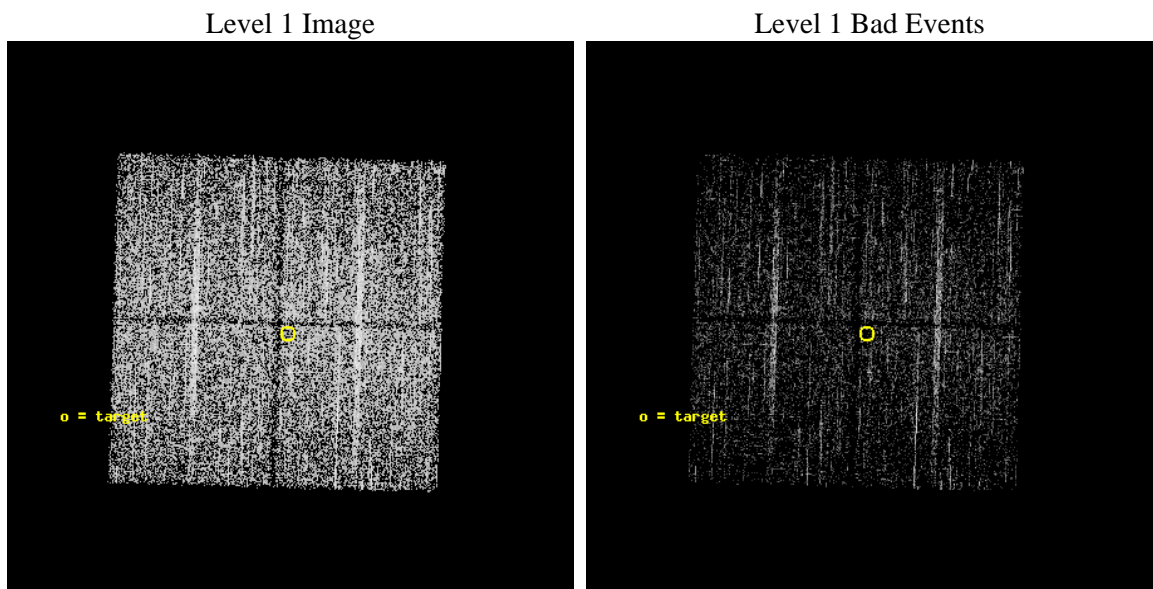
seq_num	400944	Sequence number
obs_id	9980	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.224167	Observer's specified target RA [deg]
dec_targ	-27.385944	Observer's specified target Dec [deg]
ra_nom	265.22116856058	Nominal RA [deg]
dec_nom	-27.378463882122	Nominal Dec [deg]
roll_nom	91.650854276275	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10229	Number of level 2 events



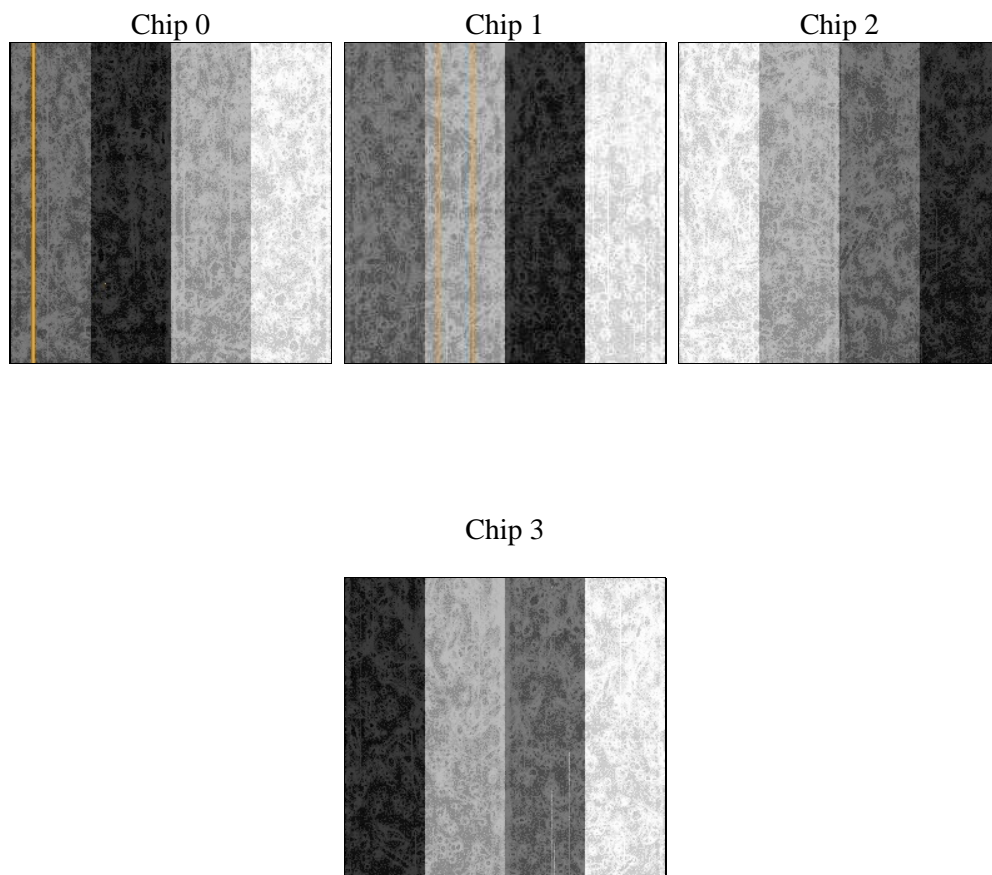
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-06-01T06:01:55	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	96548	Number of level 1 events

2.1.4 Events

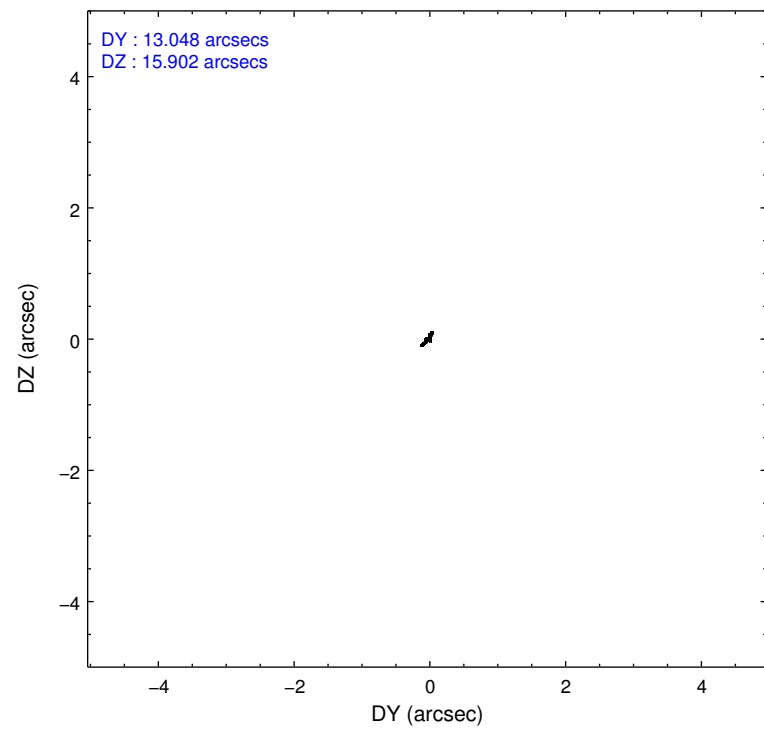
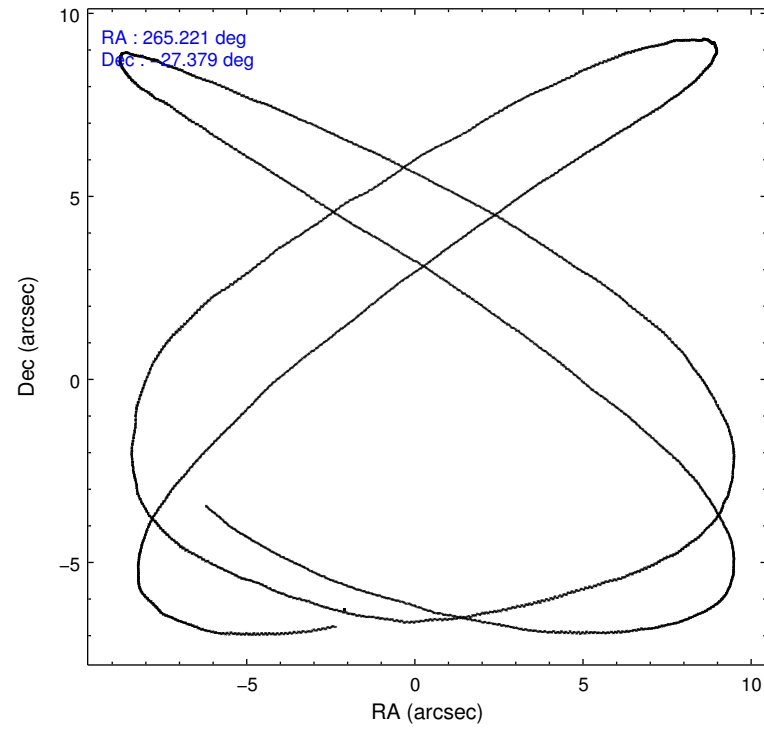
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23647	22830	25380	24691
rejected events	20680	19669	22483	21899
rejected %	87%	86%	88%	88%

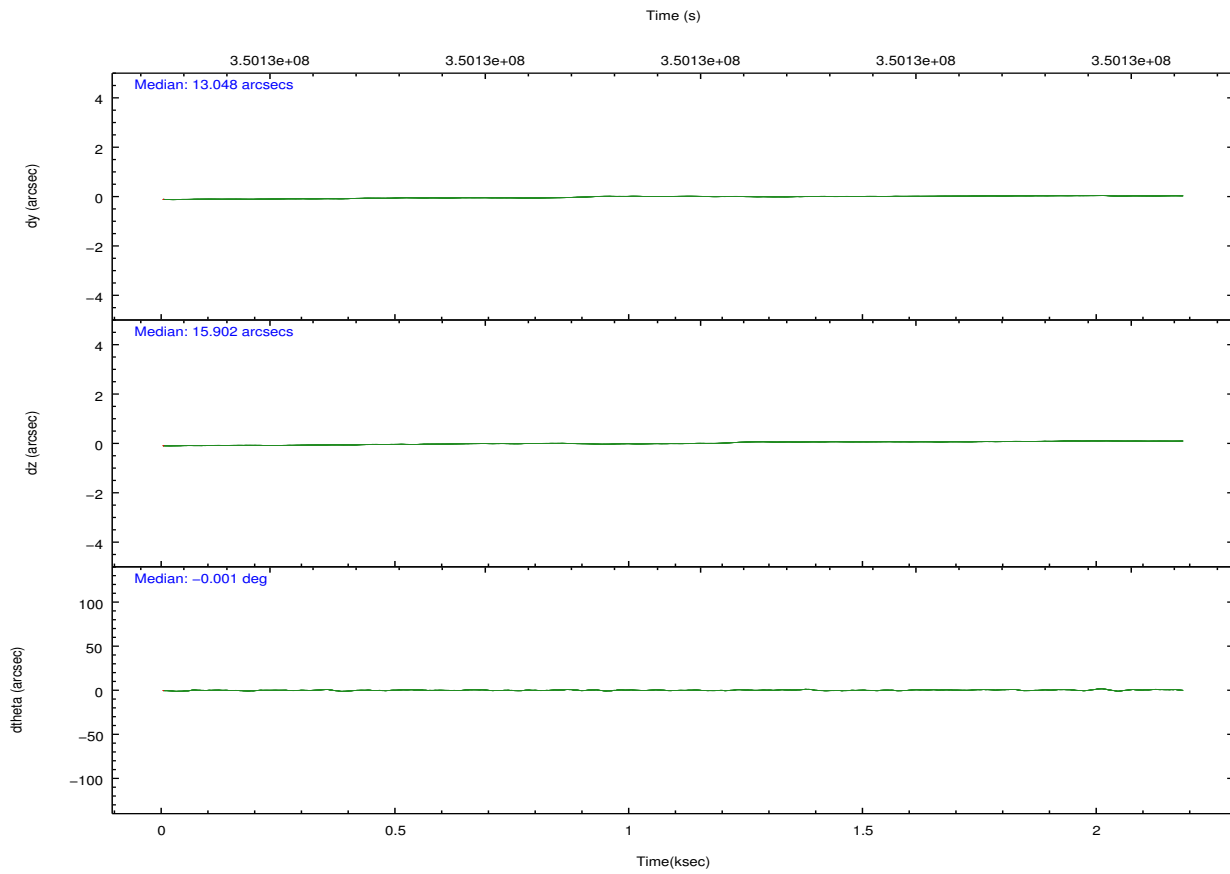
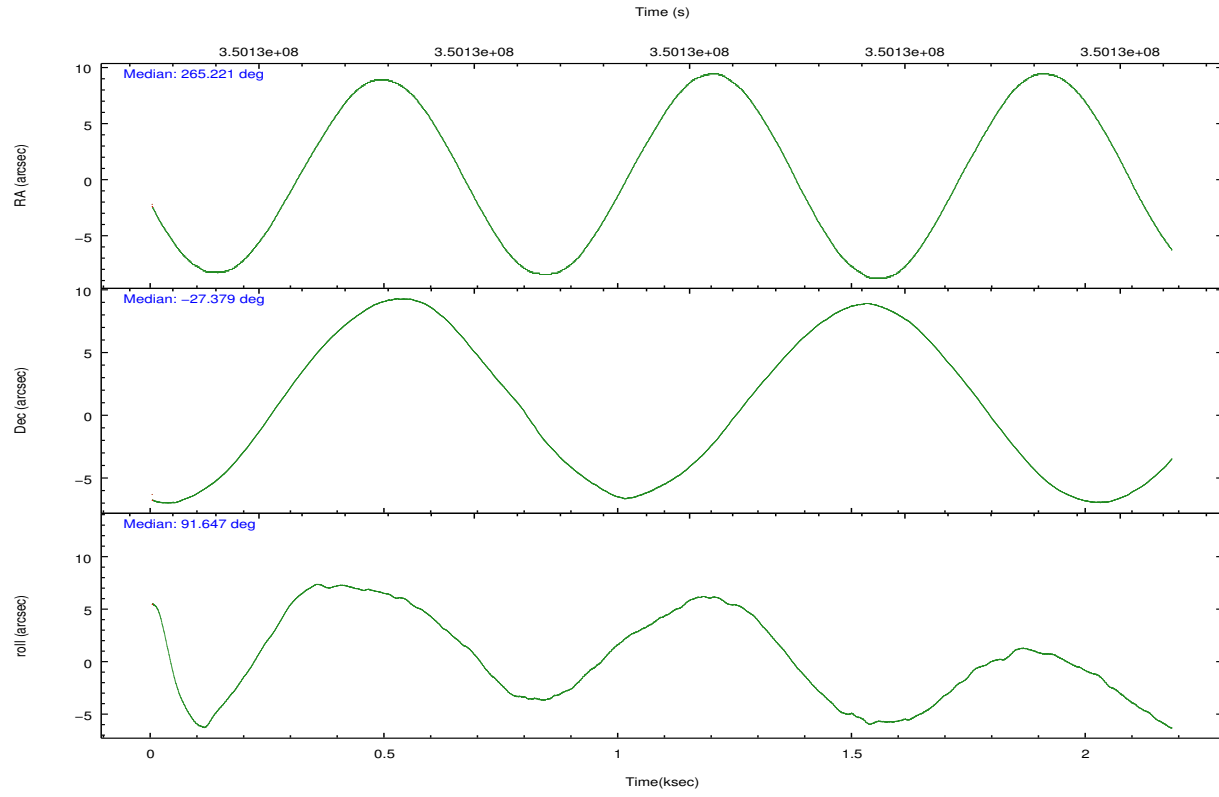
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1597	1496	1529	1448
	6%	6%	6%	5%
grade 1 events	17	12	20	19
	0%	0%	0%	0%
grade 2 events	746	803	707	646
	3%	3%	2%	2%
grade 3 events	291	297	286	272
	1%	1%	1%	1%
grade 4 events	237	316	325	289
	1%	1%	1%	1%
grade 5 events	1094	1140	1076	1191
	4%	4%	4%	4%
grade 6 events	528	699	549	540
	2%	3%	2%	2%
grade 7 events	19137	18067	20888	20286
	80%	79%	82%	82%

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	265.237572	265.2211685605807	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.401648	-27.37846388212199	Alternating exposures requested	N	N
[deg] Pointing Roll	91.449716	91.65085427627503	[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)	350127034.184000	350126658.18226			
Observation start date	2009-02-04T09:29:28	2009-02-04T09:24:18			
[s] Observation end time (MET)	350129034.184000	350129167.89489			
Observation end date	2009-02-04T10:02:48	2009-02-04T10:06:07			
Read mode	TIMED	TIMED			

2.3 Aspect



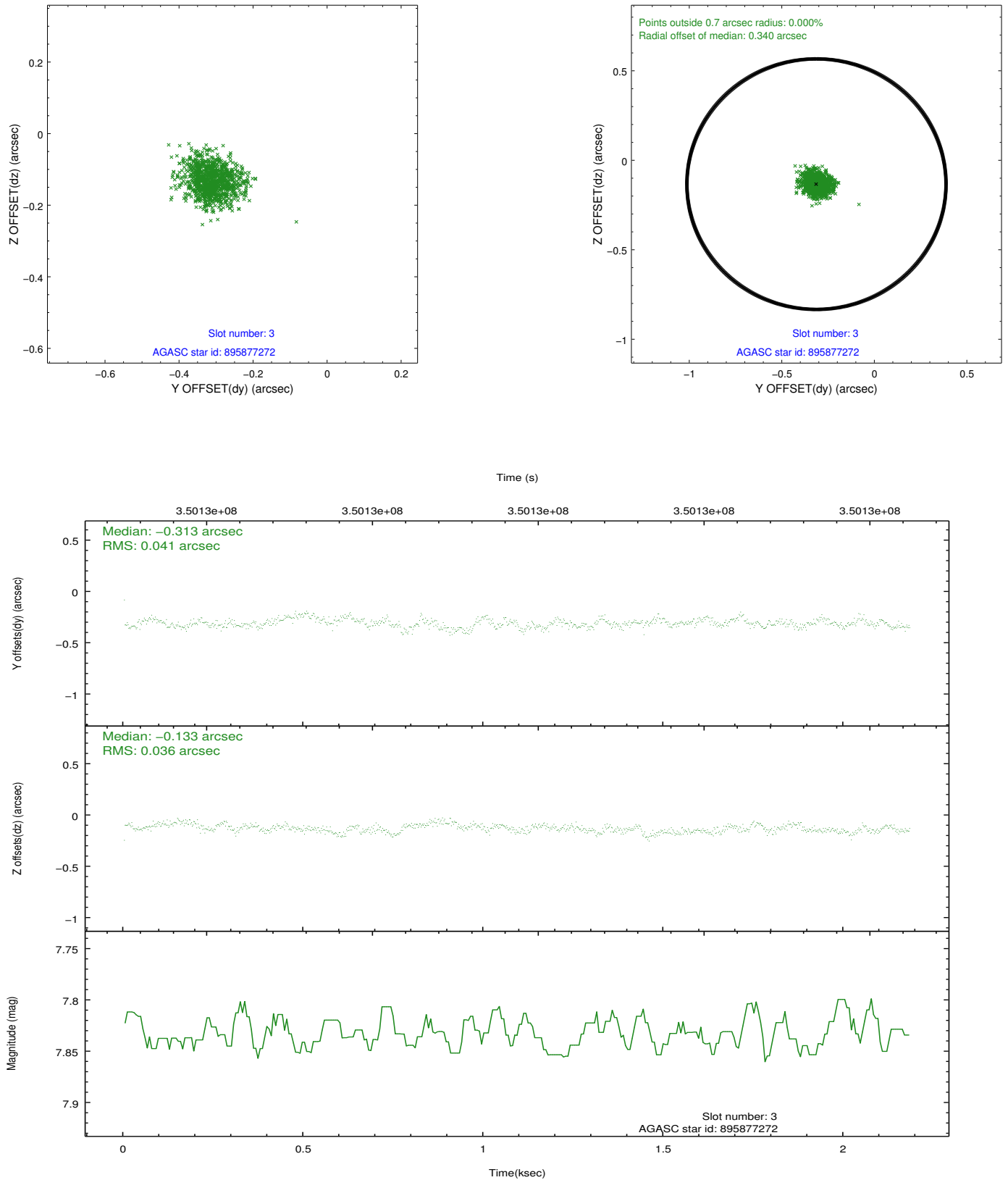


Slot Statistics

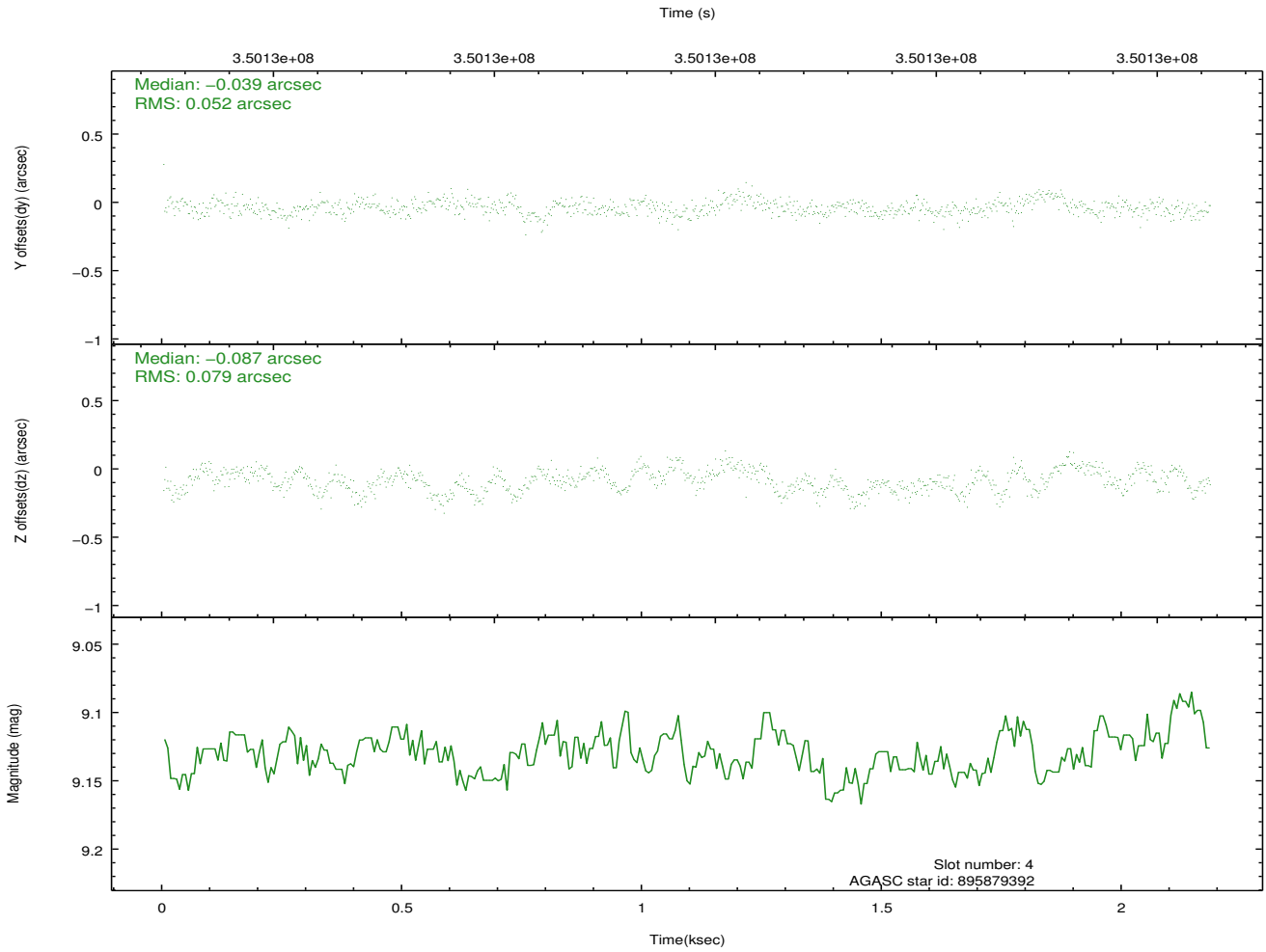
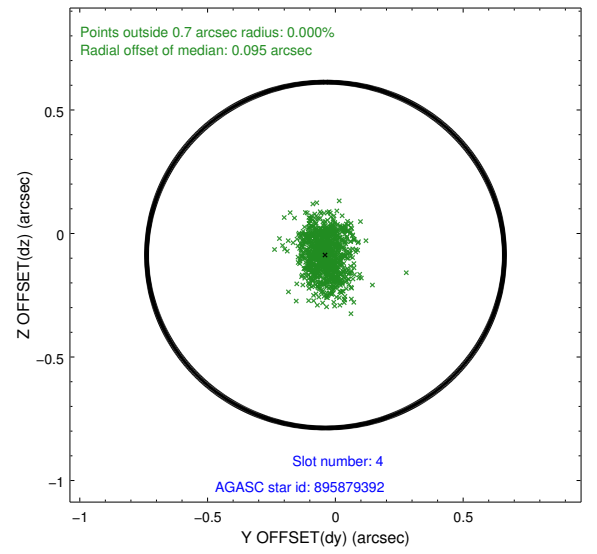
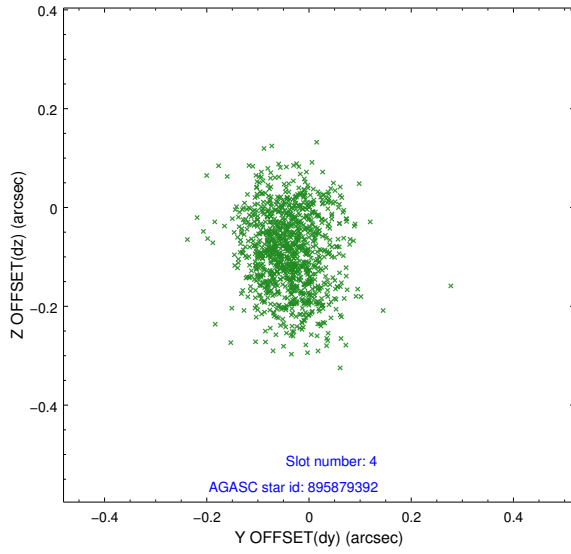
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	533	0.057	-0.045	0.007	0.014	0.000000	0.000000	926.54	-839.59
1	FID	ACIS-I-5	7.01	533	-0.203	0.058	0.006	0.010	0.000000	0.000000	-1820.16	1056.53
2	FID	ACIS-I-6	7.00	533	0.054	0.057	0.007	0.011	0.000000	0.000000	388.85	1704.39
3	GUIDE	895877272	7.83	1065	-0.313	-0.133	0.058	0.094	264.774842	-26.937569	1704.70	1442.60
4	GUIDE	895879392	9.13	1065	-0.039	-0.087	0.102	0.164	264.792874	-27.441876	-109.12	1425.36
5	GUIDE	895879608	8.96	1065	0.068	0.082	0.080	0.122	265.708239	-27.843915	-1631.56	-1456.08
6	GUIDE	895878608	9.43	1064	0.269	-0.084	0.127	0.196	265.191686	-28.030075	-2258.44	201.45
7	GUIDE	896014360	9.62	1061	0.015	0.232	0.133	0.204	266.007394	-27.930032	-1972.38	-2399.19

2.4 Star Slots

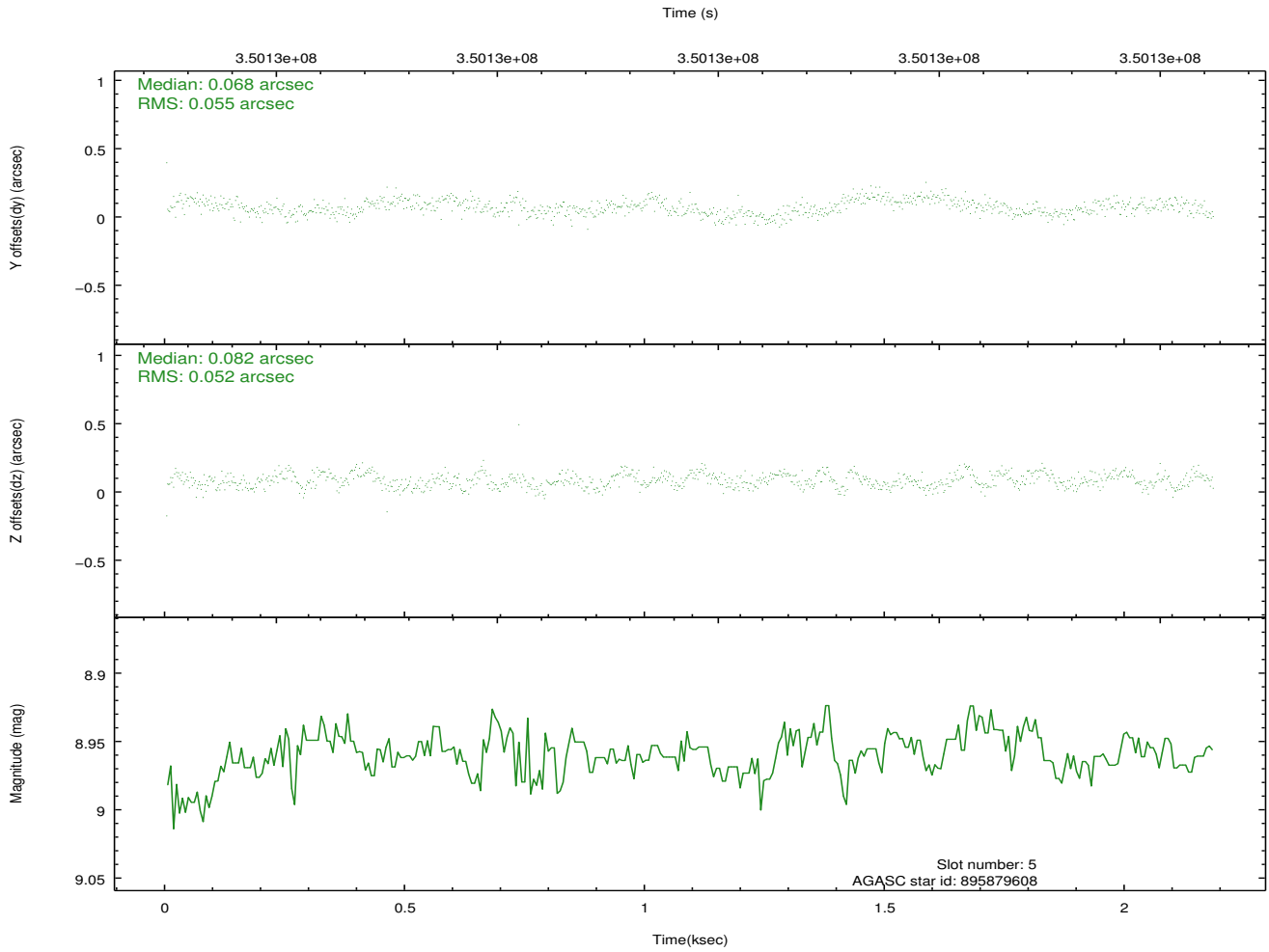
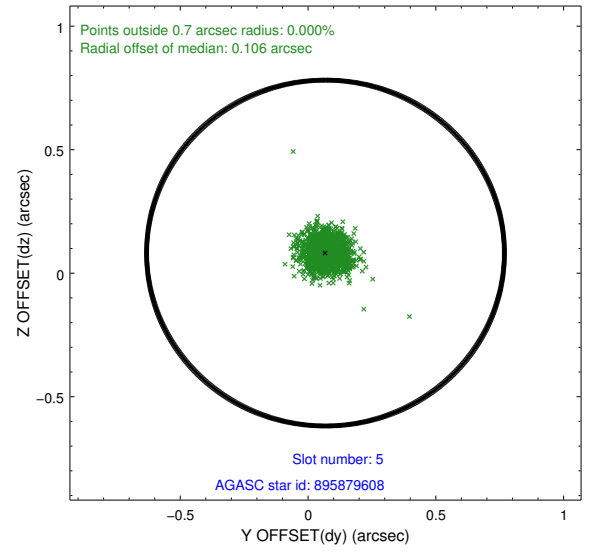
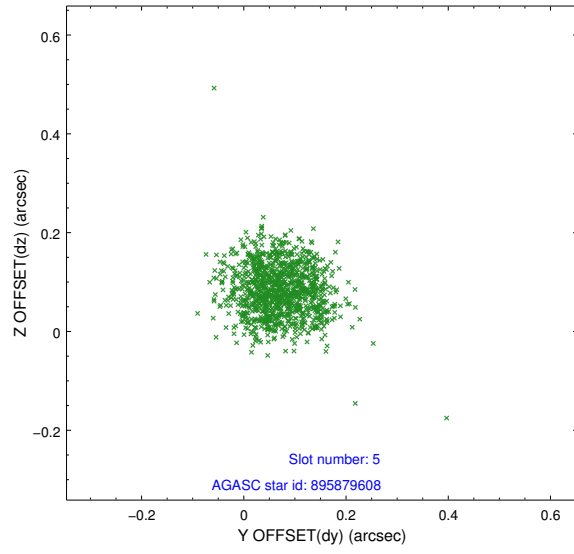
2.4.1 Slot 3



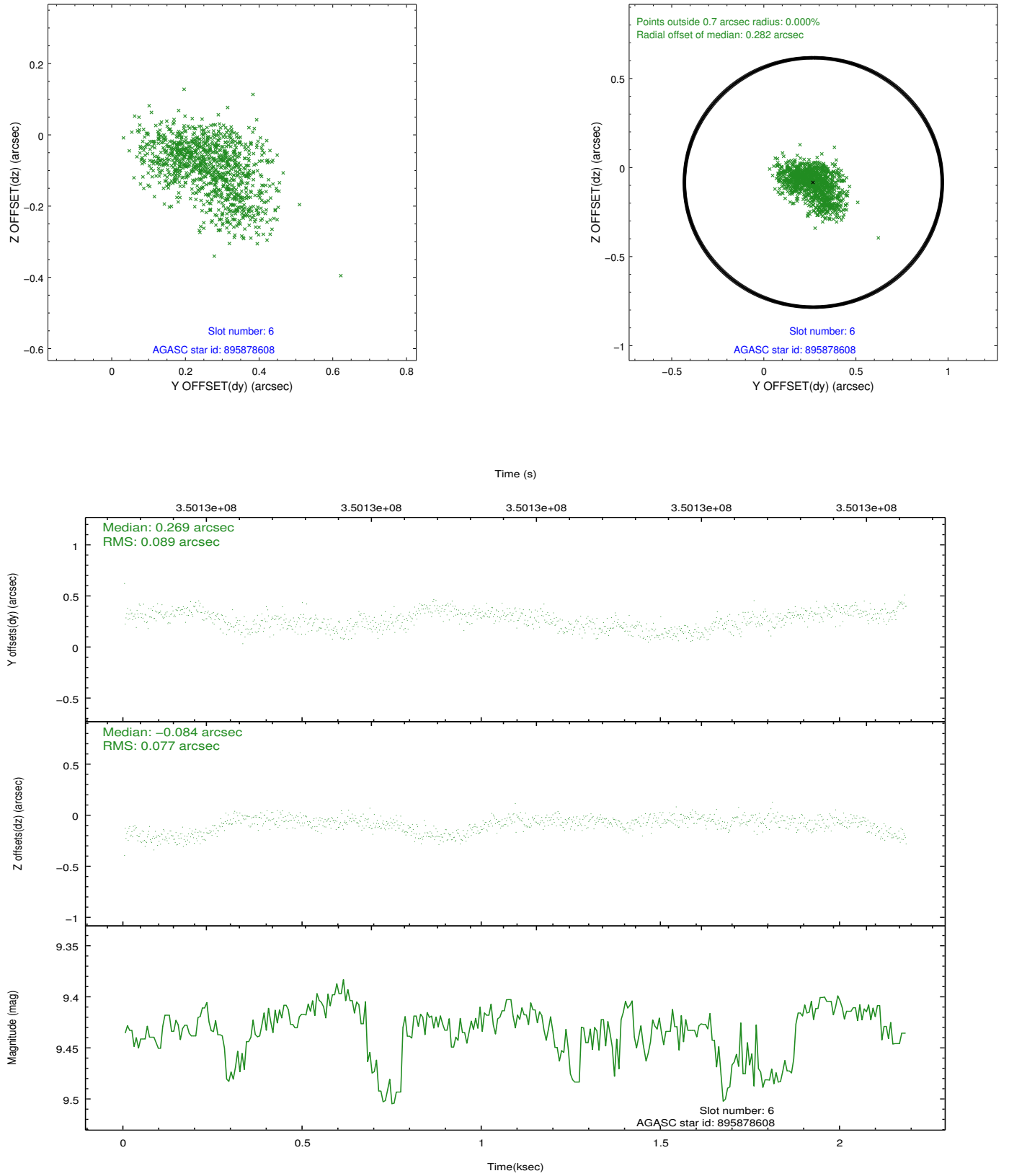
2.4.2 Slot 4



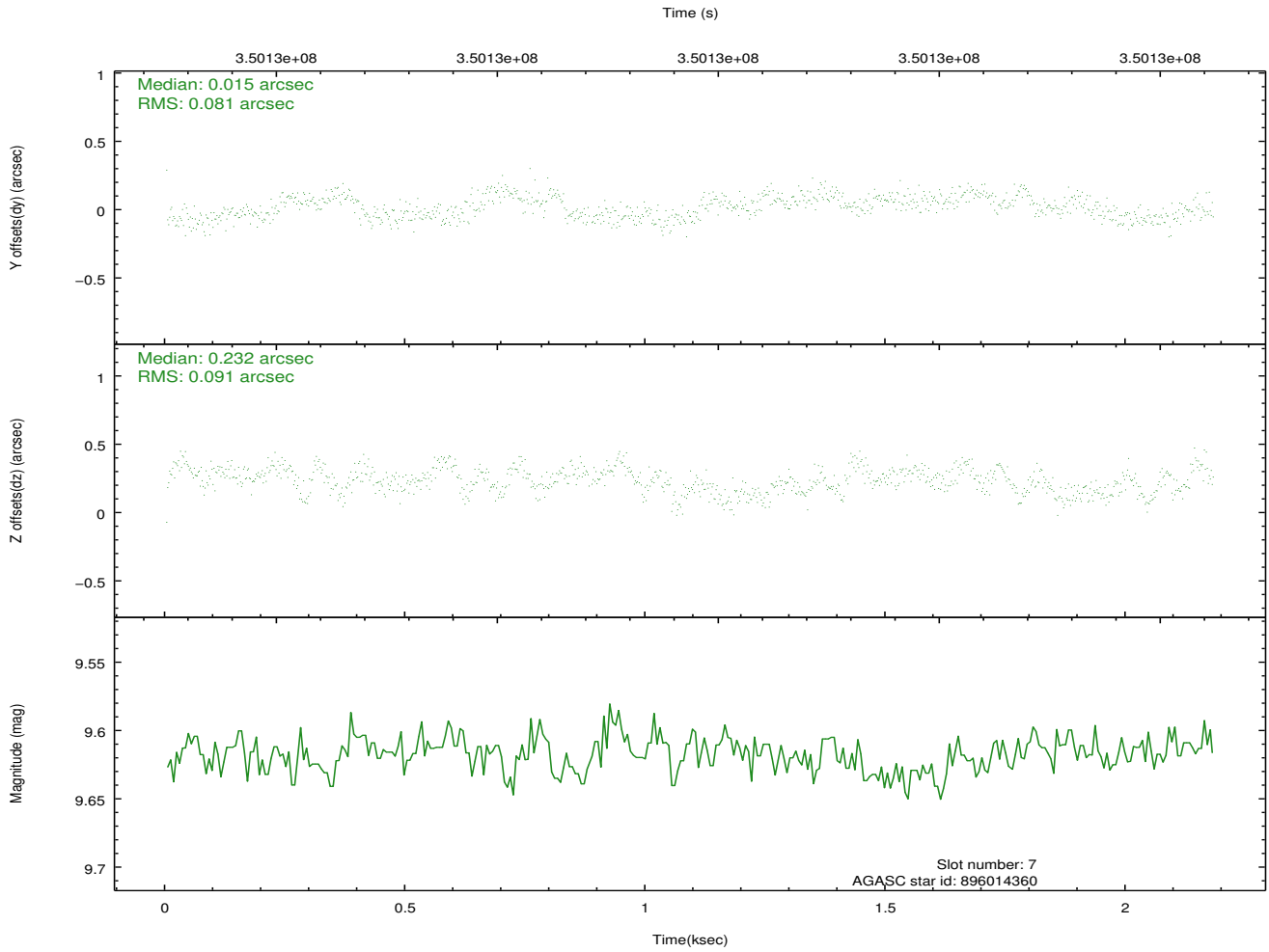
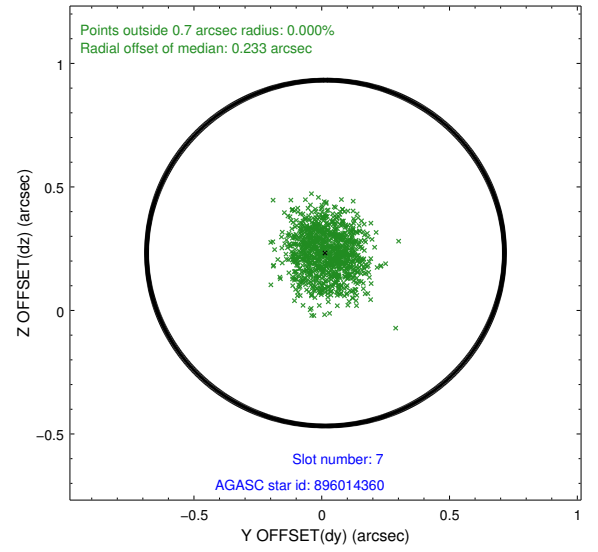
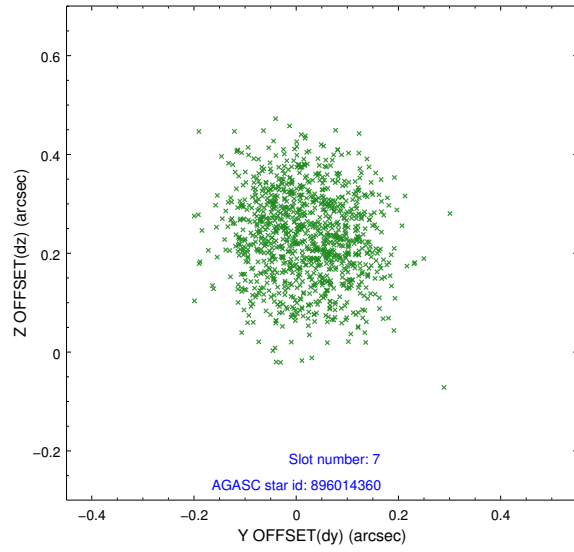
2.4.3 Slot 5



2.4.4 Slot 6

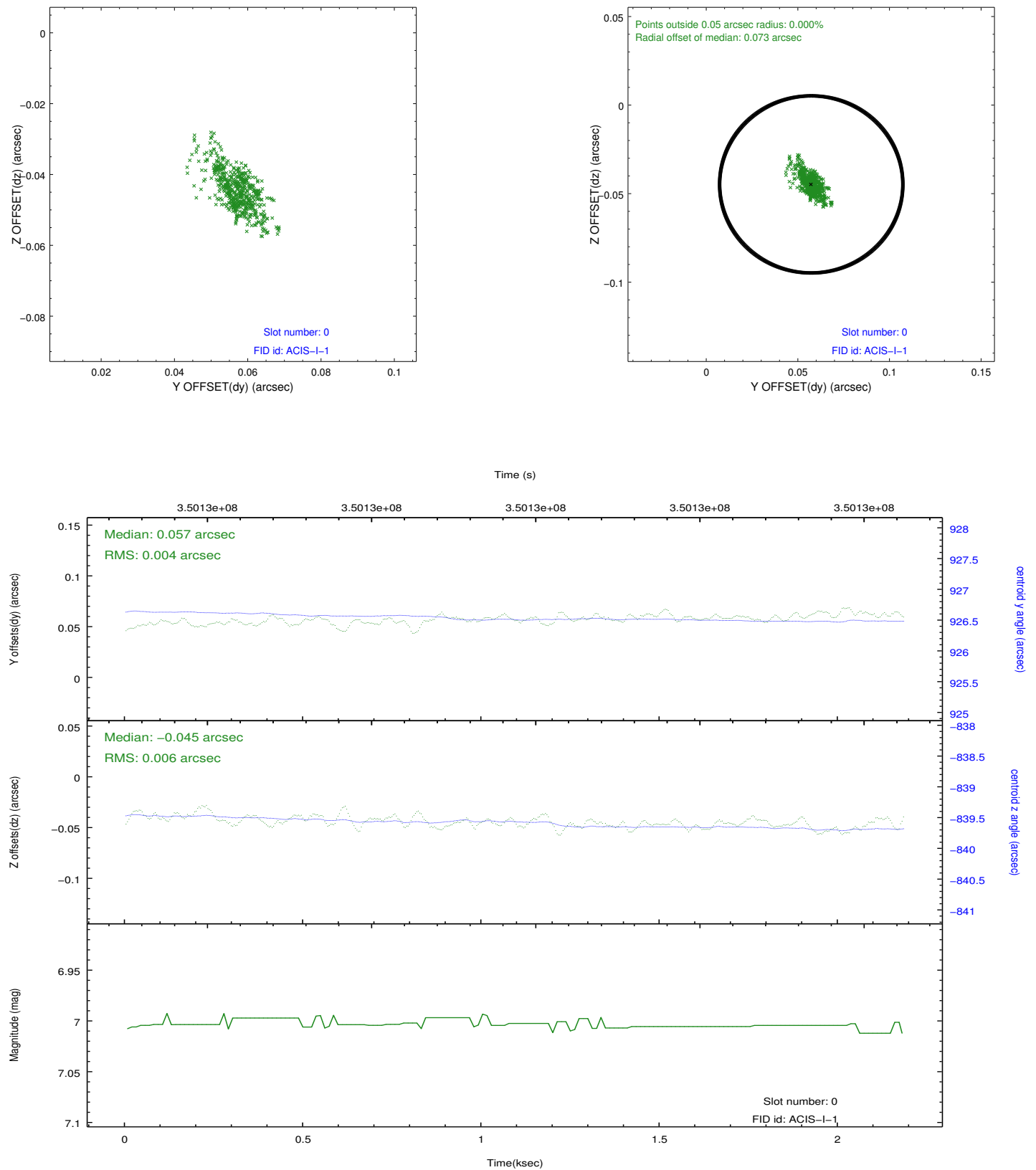


2.4.5 Slot 7

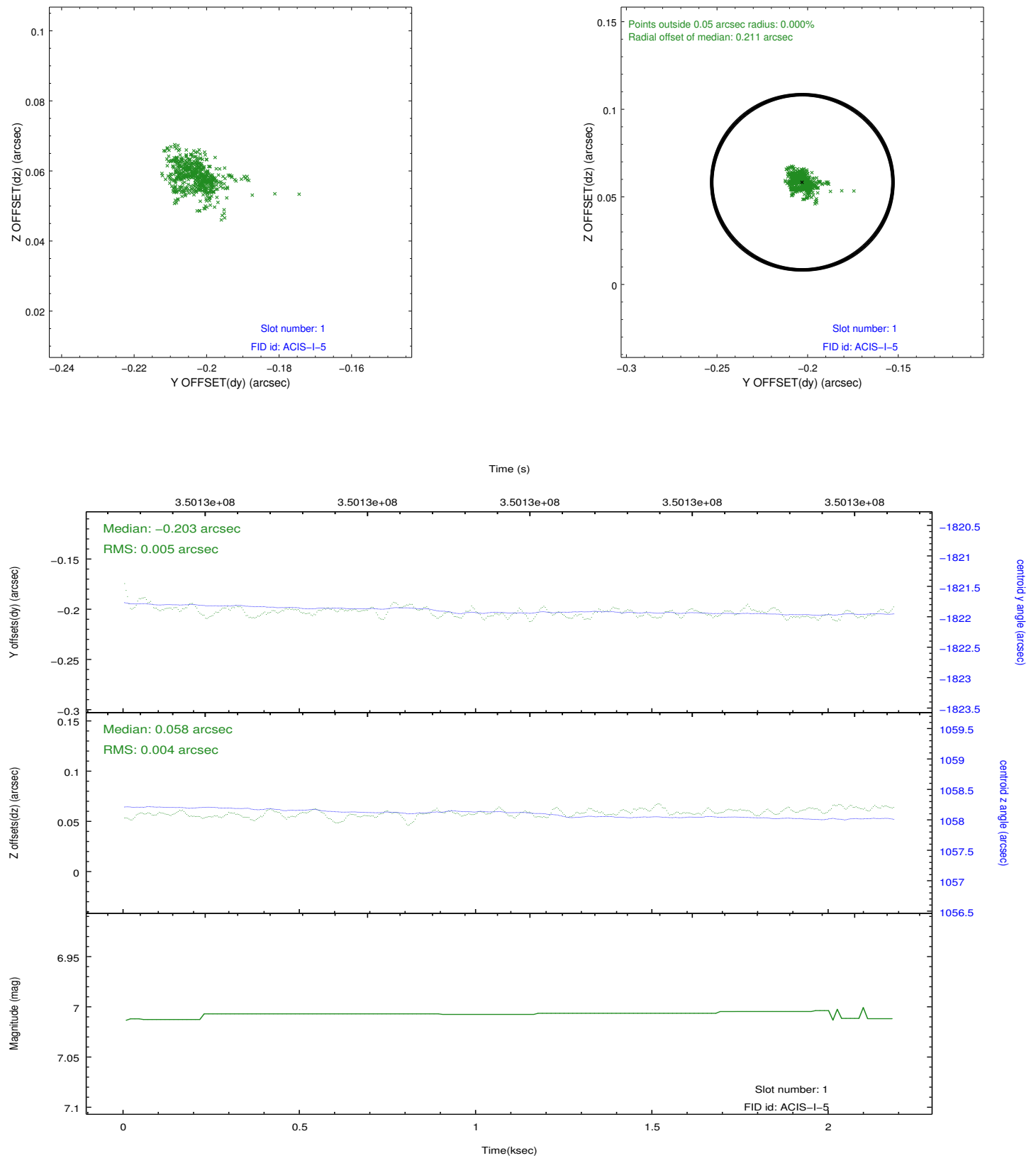


2.5 FID Slots

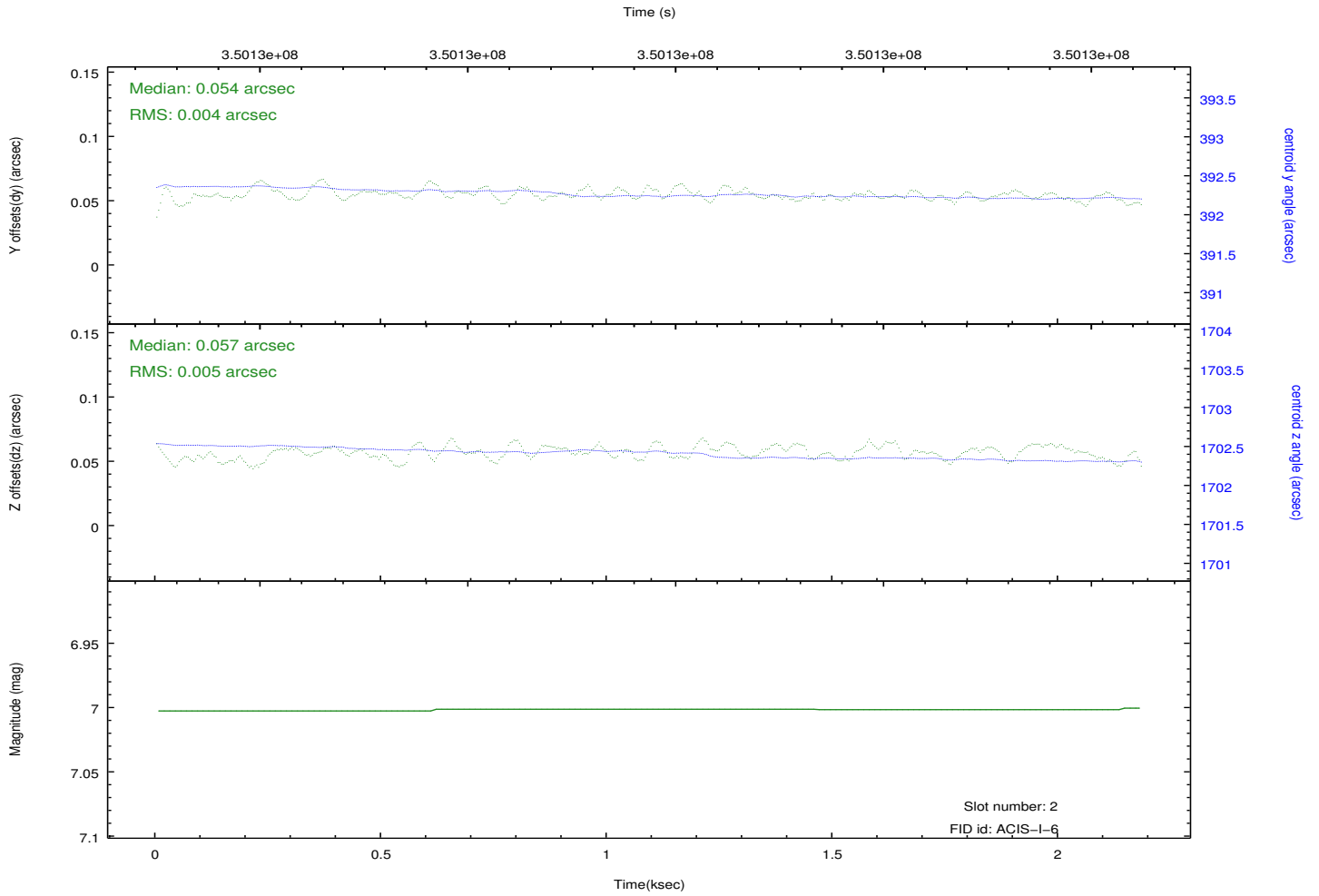
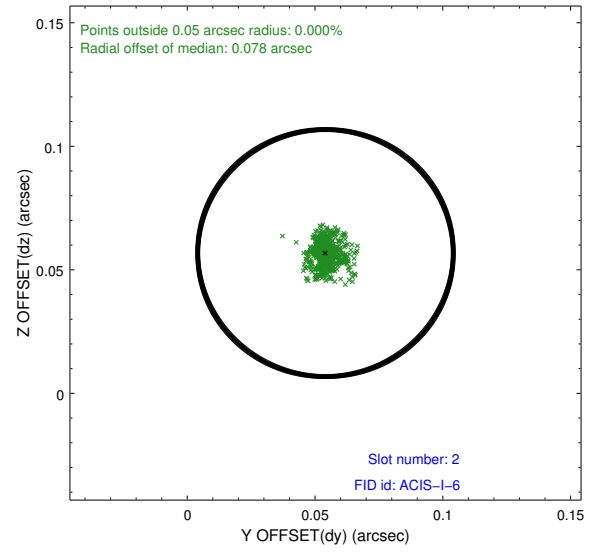
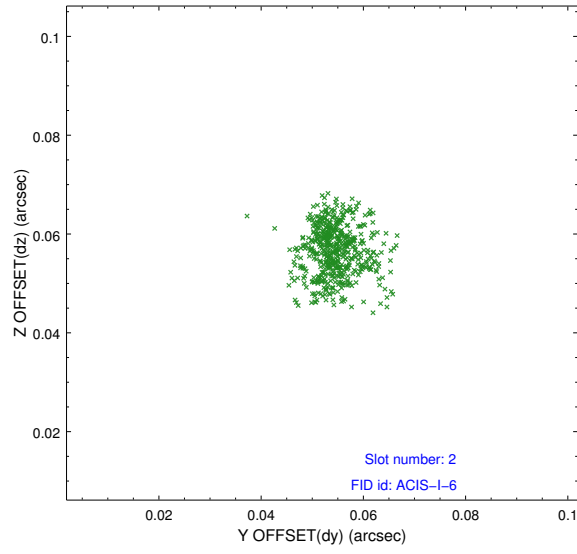
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint Proposal:NOAO