

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9982 - L2 Version 2
Chandra X-Ray Center

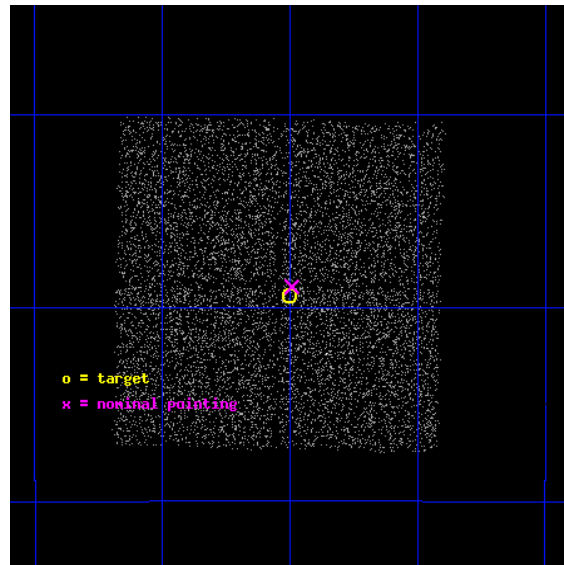
L2 Processing Date : Jun 1 2012

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1 Front

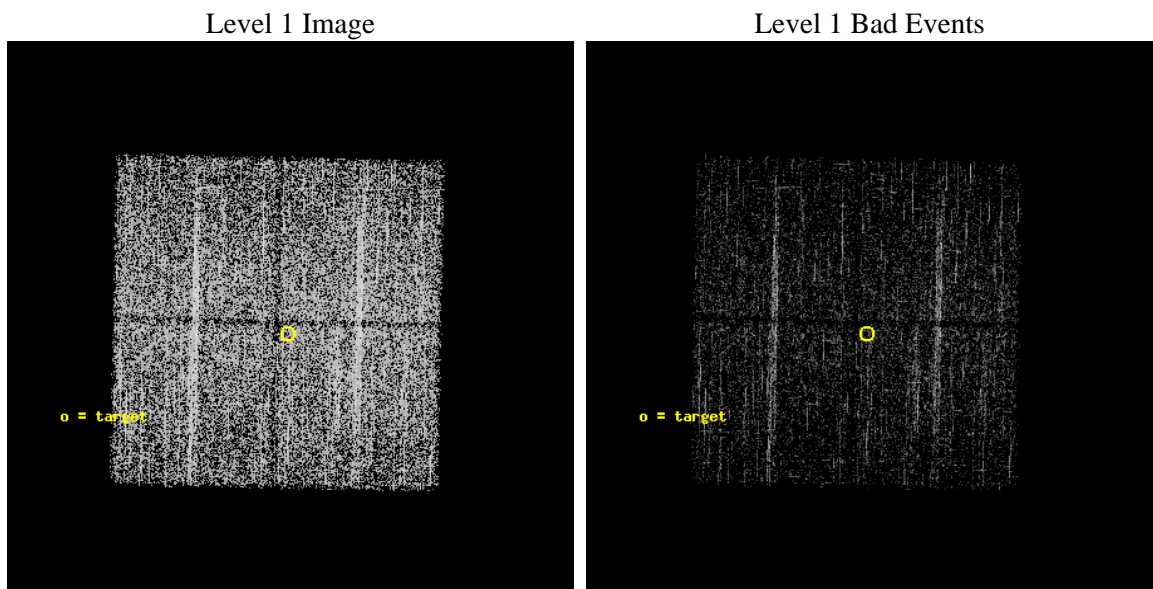
seq_num	400946	Sequence number
obs_id	9982	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.501125	Observer's specified target RA [deg]
dec_targ	-26.989833	Observer's specified target Dec [deg]
ra_nom	265.49820969634	Nominal RA [deg]
dec_nom	-26.982064146082	Nominal Dec [deg]
roll_nom	91.114676616781	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2151.4000165462	Sum of GTIs [s]
livetime	2123.2903914924	Livetime [s]
ontime0	2151.4000165462	Sum of GTIs [s]
ontime1	2151.4000165462	Sum of GTIs [s]
ontime2	2151.4000165462	Sum of GTIs [s]
ontime3	2151.4000165462	Sum of GTIs [s]
l2events	10139	Number of level 2 events



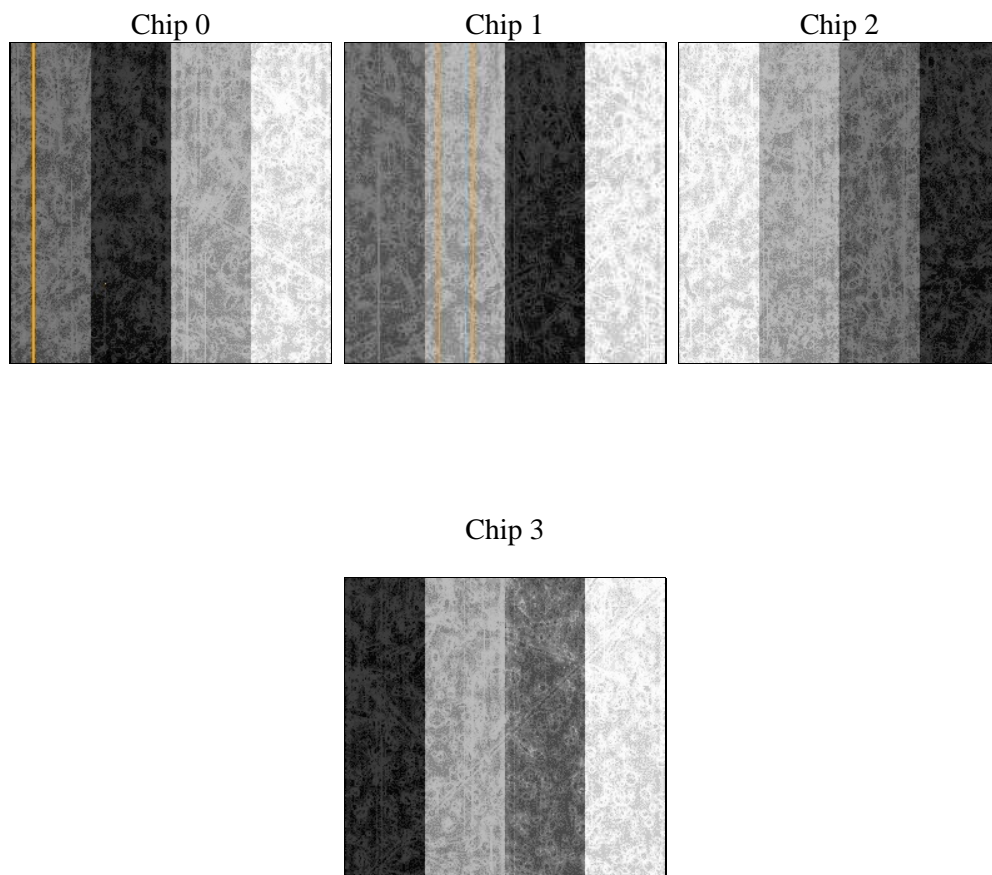
2 OBI

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	2151.4000165462	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2151.4000165462	Sum of GTIs [s]
date	2012-06-01T06:52:53	Date and time of file creation	ontime1	2151.4000165462	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2151.4000165462	Sum of GTIs [s]
			ontime3	2151.4000165462	Sum of GTIs [s]
			l1events	142507	Number of level 1 events

2.1.4 Events

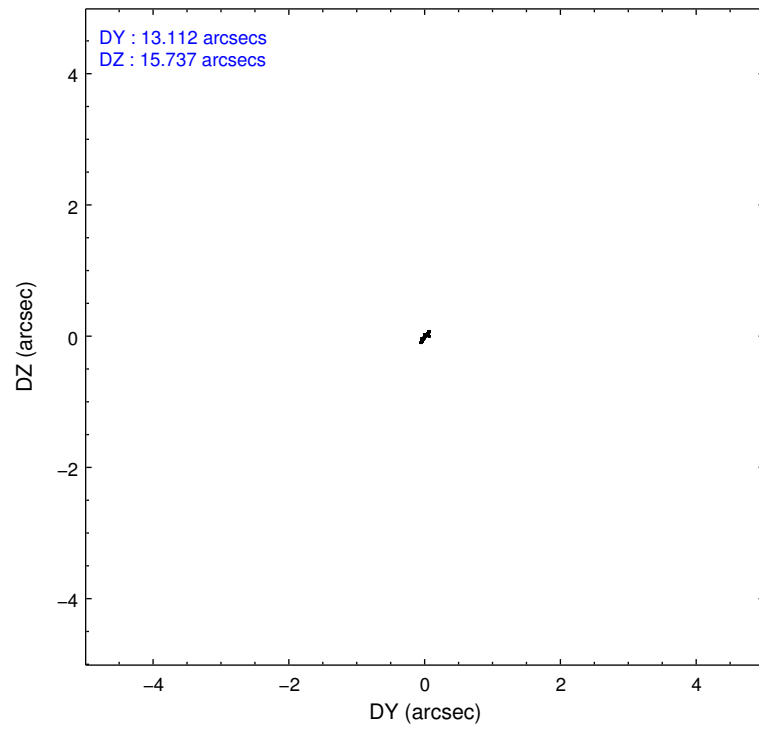
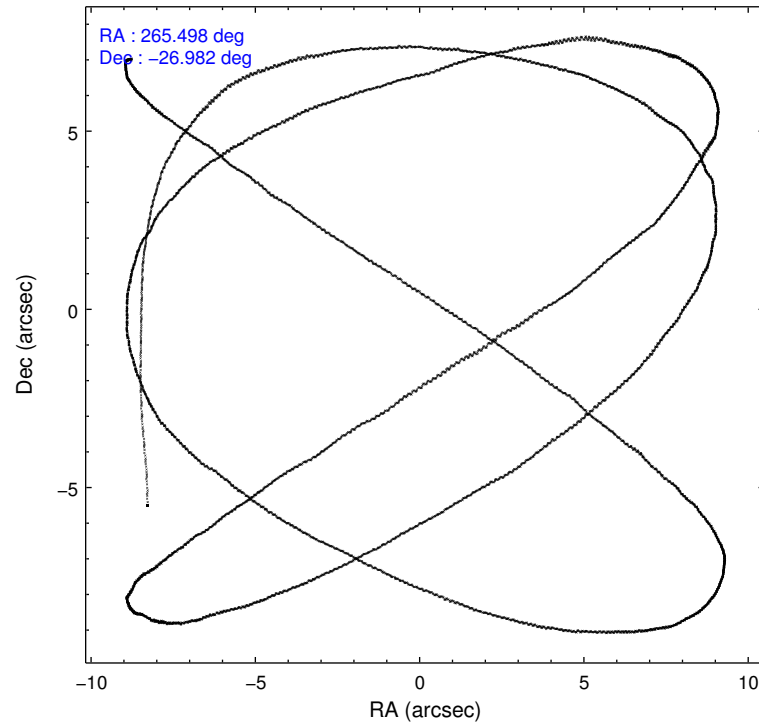
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	33376	34714	36594	37823
rejected events	30382	31665	33729	34949
rejected %	91%	91%	92%	92%

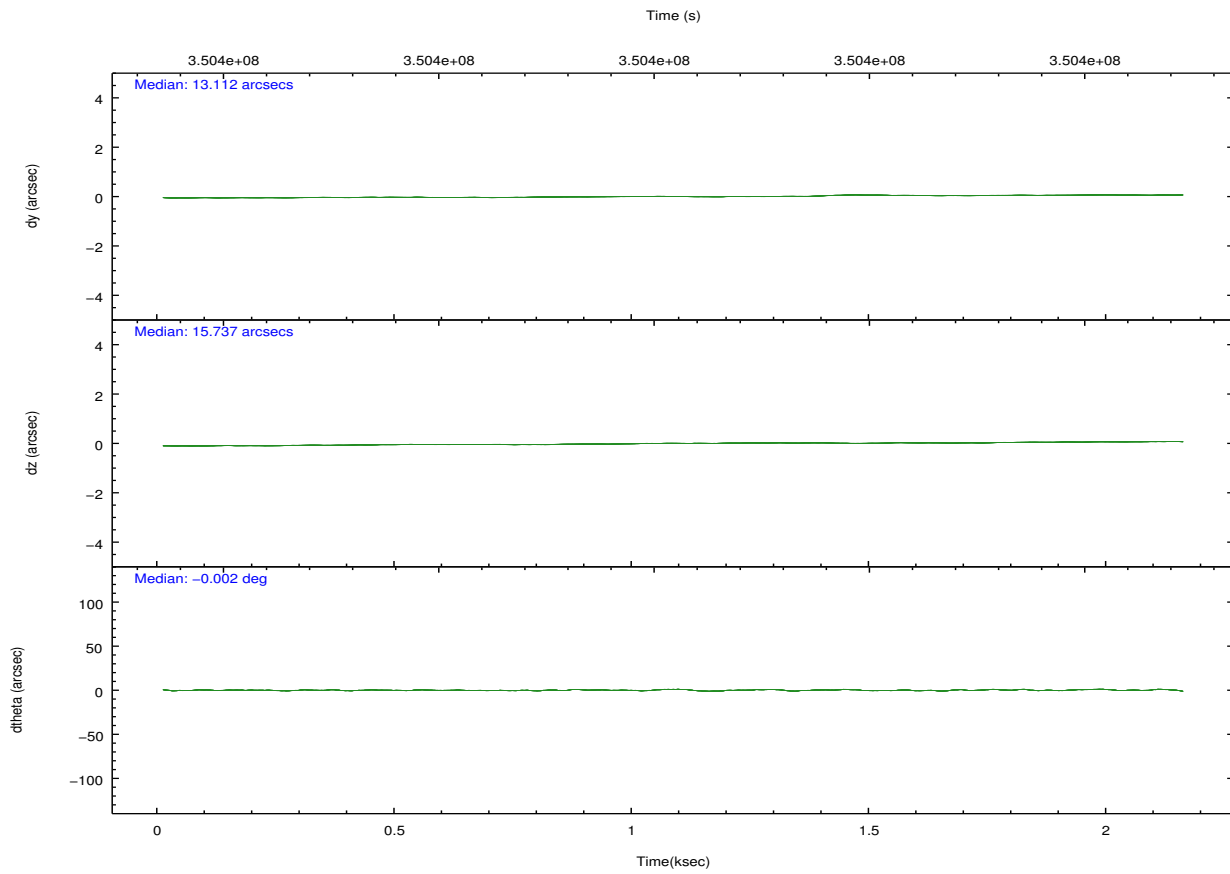
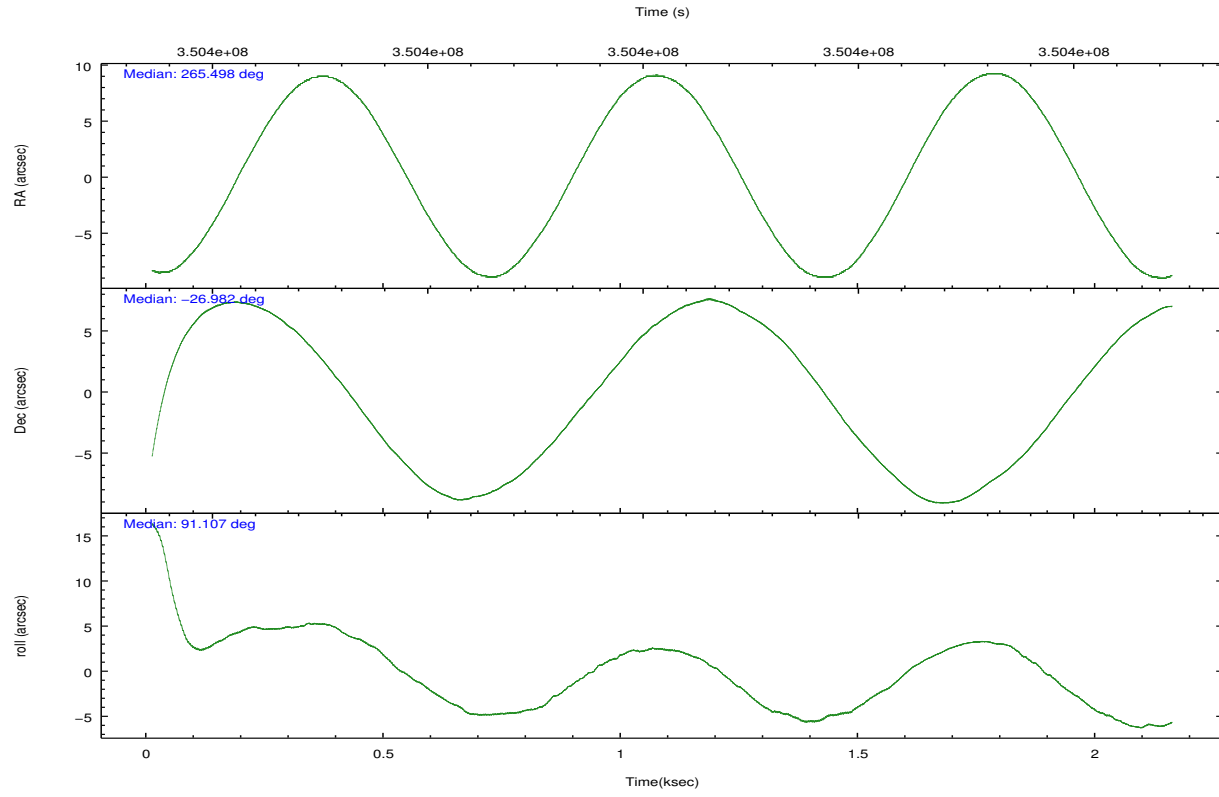
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2154	2117	2243	2166
	6%	6%	6%	5%
grade 1 events	16	25	25	29
	0%	0%	0%	0%
grade 2 events	1134	1123	1033	1006
	3%	3%	2%	2%
grade 3 events	448	428	416	434
	1%	1%	1%	1%
grade 4 events	421	461	413	451
	1%	1%	1%	1%
grade 5 events	1550	1732	1575	1807
	4%	4%	4%	4%
grade 6 events	852	969	786	803
	2%	2%	2%	2%
grade 7 events	26801	27859	30103	31127
	80%	80%	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	265.514317	265.4982096963403	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.005641	-26.98206414608182	Alternating exposures requested	N	N
[deg] Pointing Roll	90.913243	91.11467661678113	[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)	350399618.184000	350398019.25822			
Observation start date	2009-02-07T13:12:32	2009-02-07T12:46:59			
[s] Observation end time (MET)	350401618.184000	350401752.82091			
Observation end date	2009-02-07T13:45:52	2009-02-07T13:49:12			
Read mode	TIMED	TIMED			

2.3 Aspect



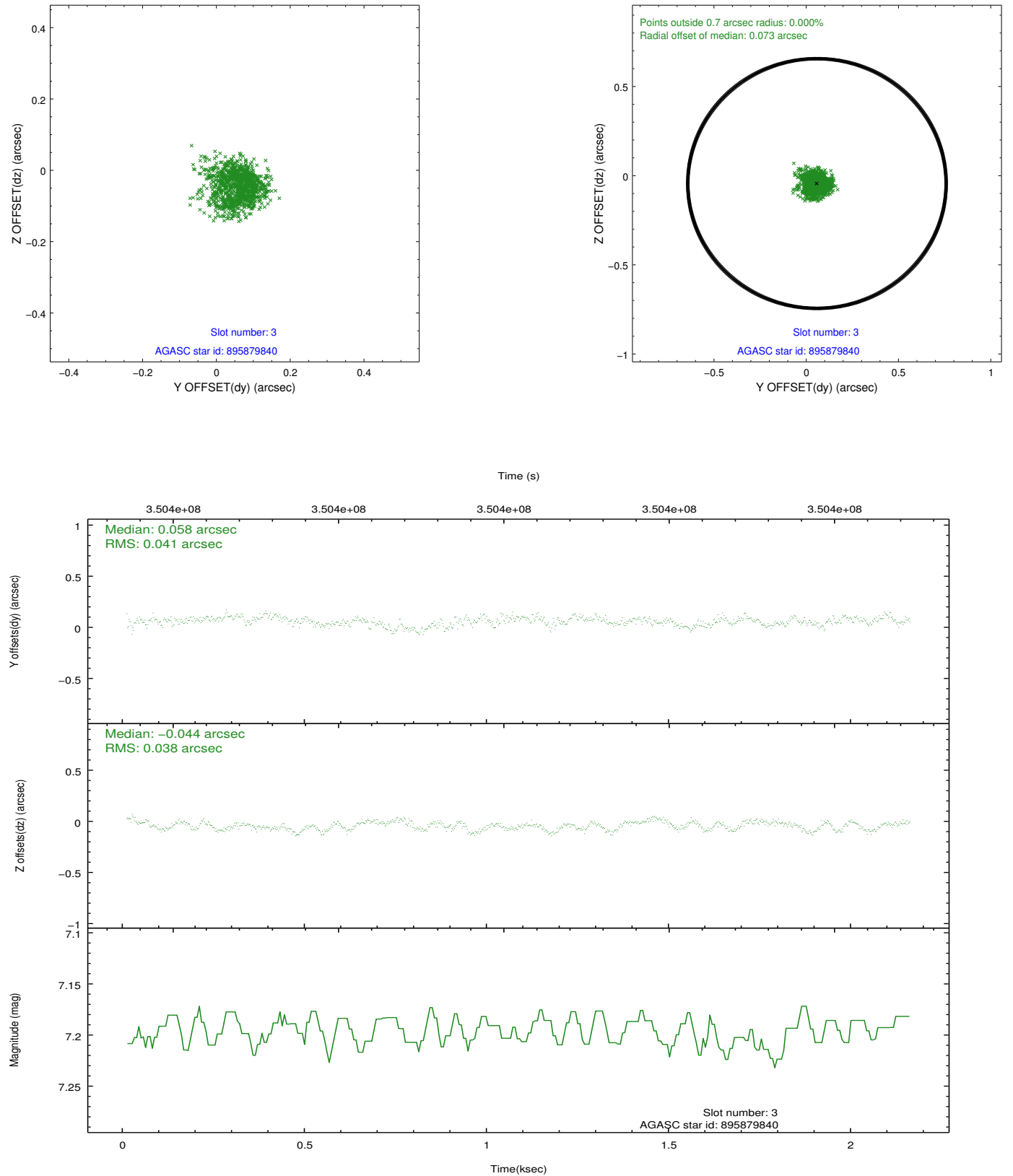


Slot Statistics

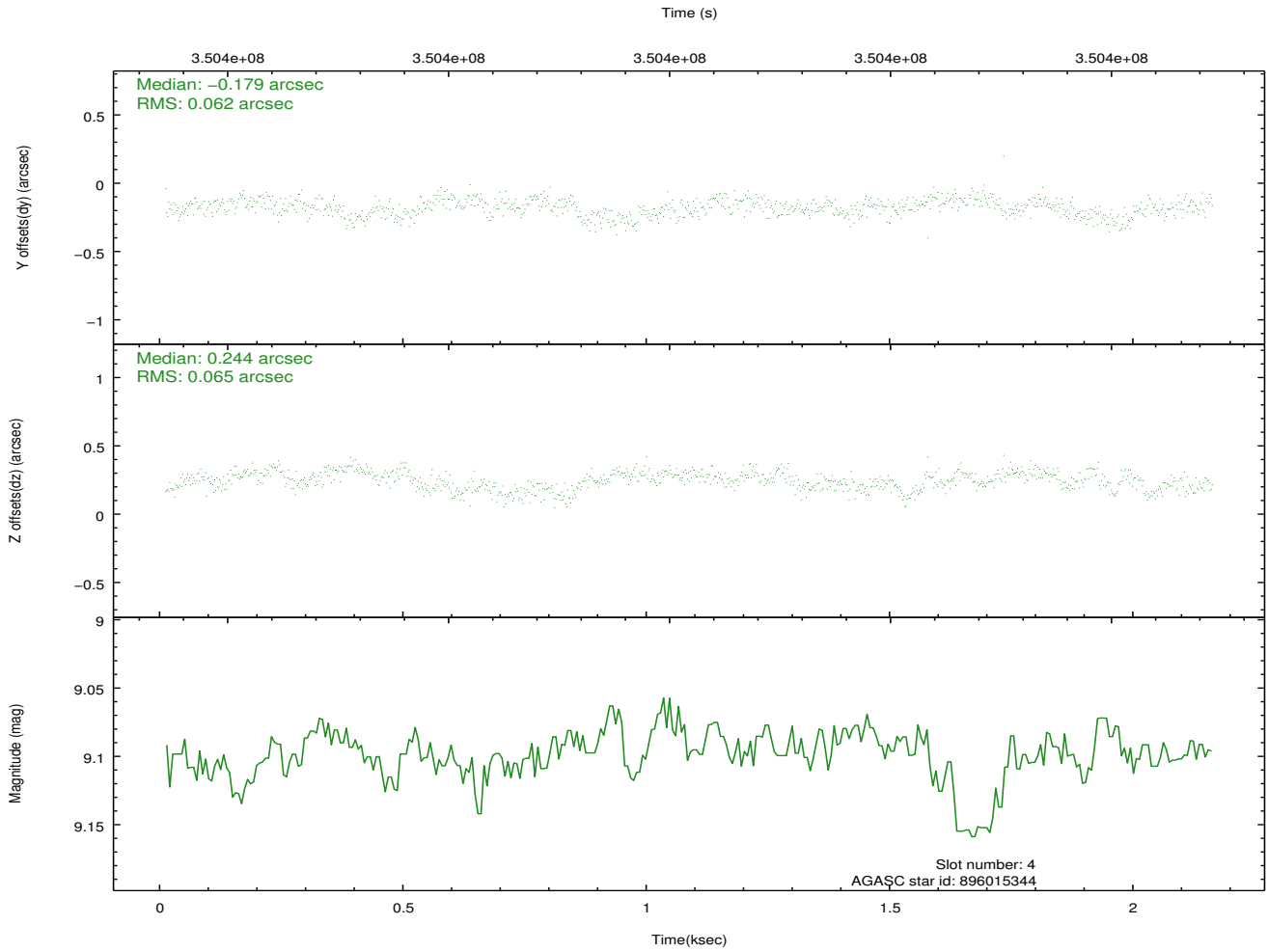
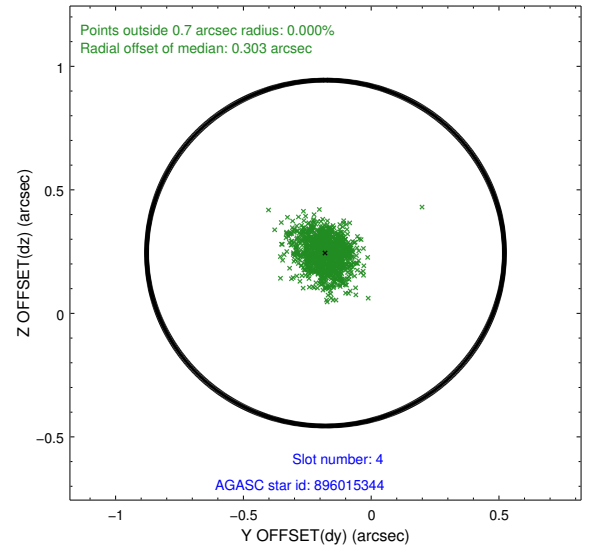
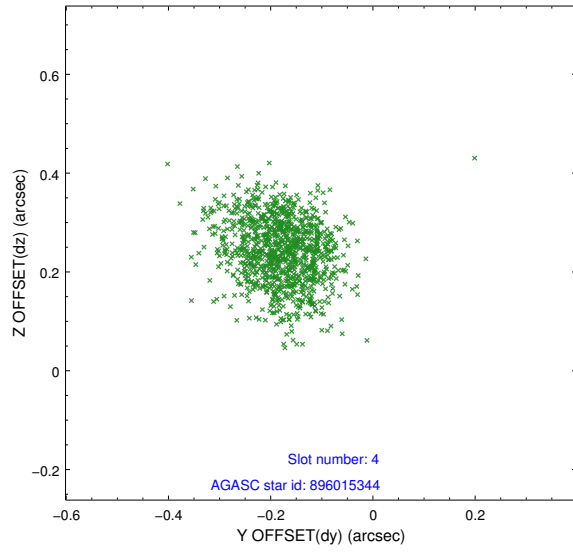
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	525	0.034	-0.011	0.006	0.011	0.000000	0.000000	926.42	-839.36
1	FID	ACIS-I-5	7.04	525	-0.179	0.047	0.006	0.010	0.000000	0.000000	-1820.21	1056.69
2	FID	ACIS-I-6	7.04	525	0.054	0.034	0.006	0.011	0.000000	0.000000	388.71	1704.59
3	GUIDE	895879840	7.20	1050	0.058	-0.044	0.059	0.094	265.218397	-27.395778	-1390.77	968.09
4	GUIDE	896015344	9.10	1050	-0.179	0.244	0.094	0.154	265.913290	-26.611586	1394.40	-1305.26
5	GUIDE	895877272	7.85	1050	-0.150	-0.316	0.068	0.108	264.774842	-26.937569	275.88	2367.71
6	GUIDE	895879392	9.14	1049	0.173	-0.292	0.098	0.159	264.792874	-27.441876	-1540.28	2331.60
7	GUIDE	896013328	9.59	1047	0.108	0.418	0.133	0.206	266.280731	-27.460337	-1684.54	-2419.34

2.4 Star Slots

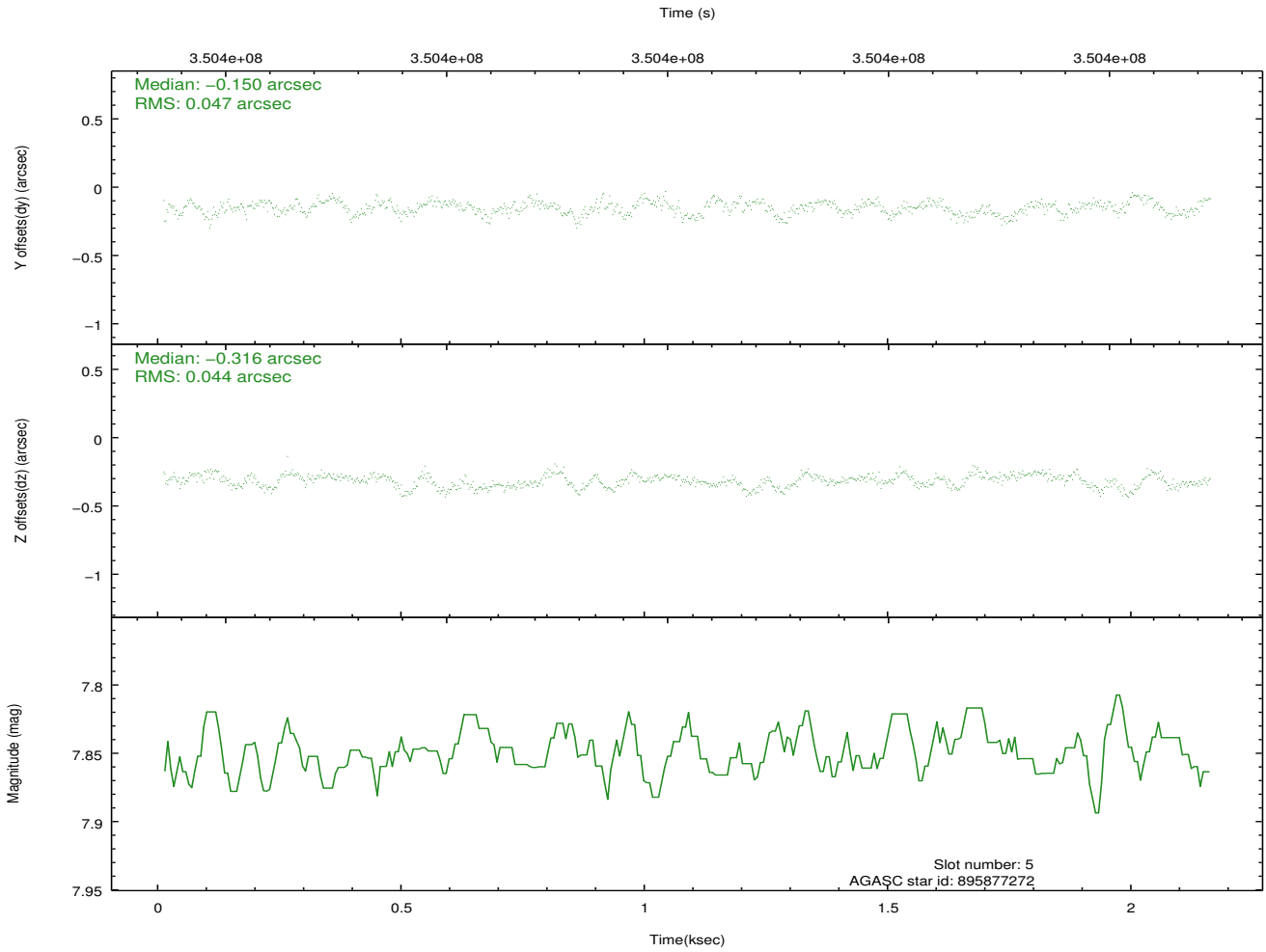
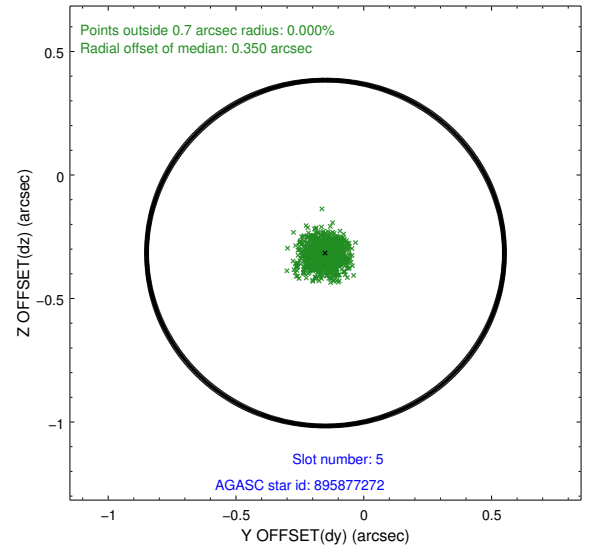
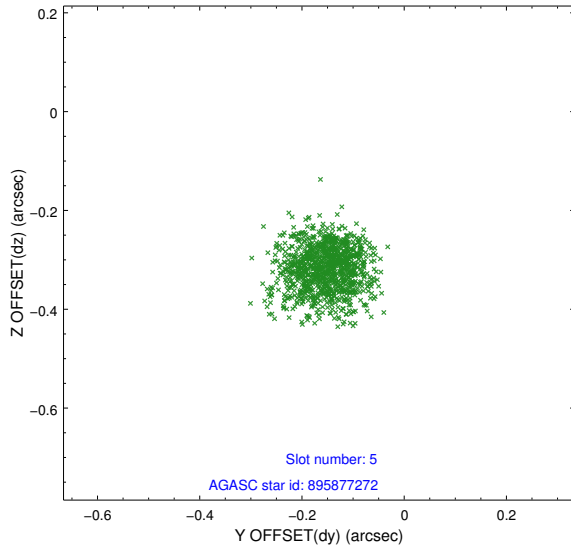
2.4.1 Slot 3



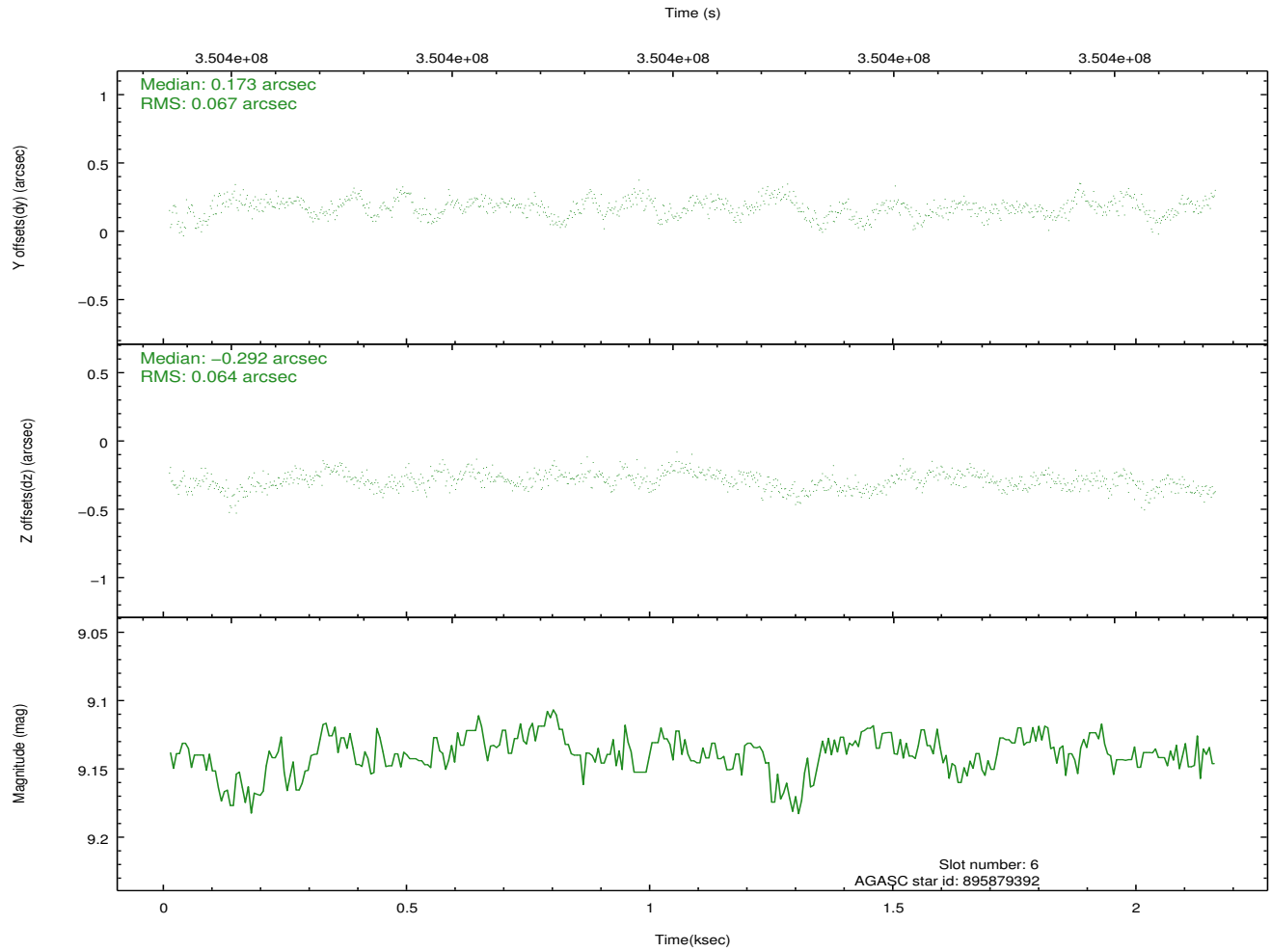
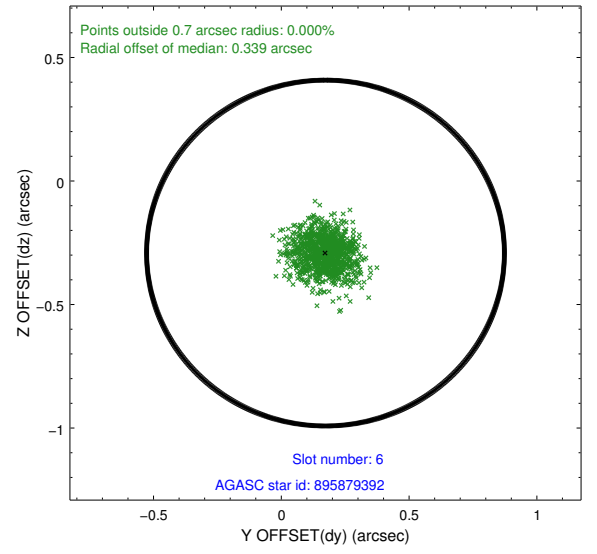
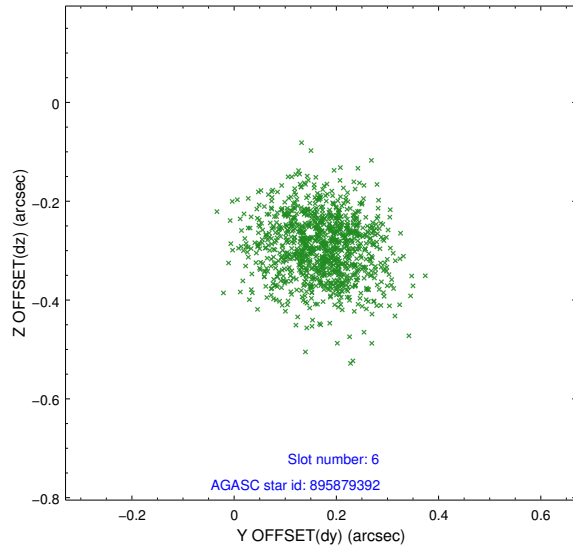
2.4.2 Slot 4



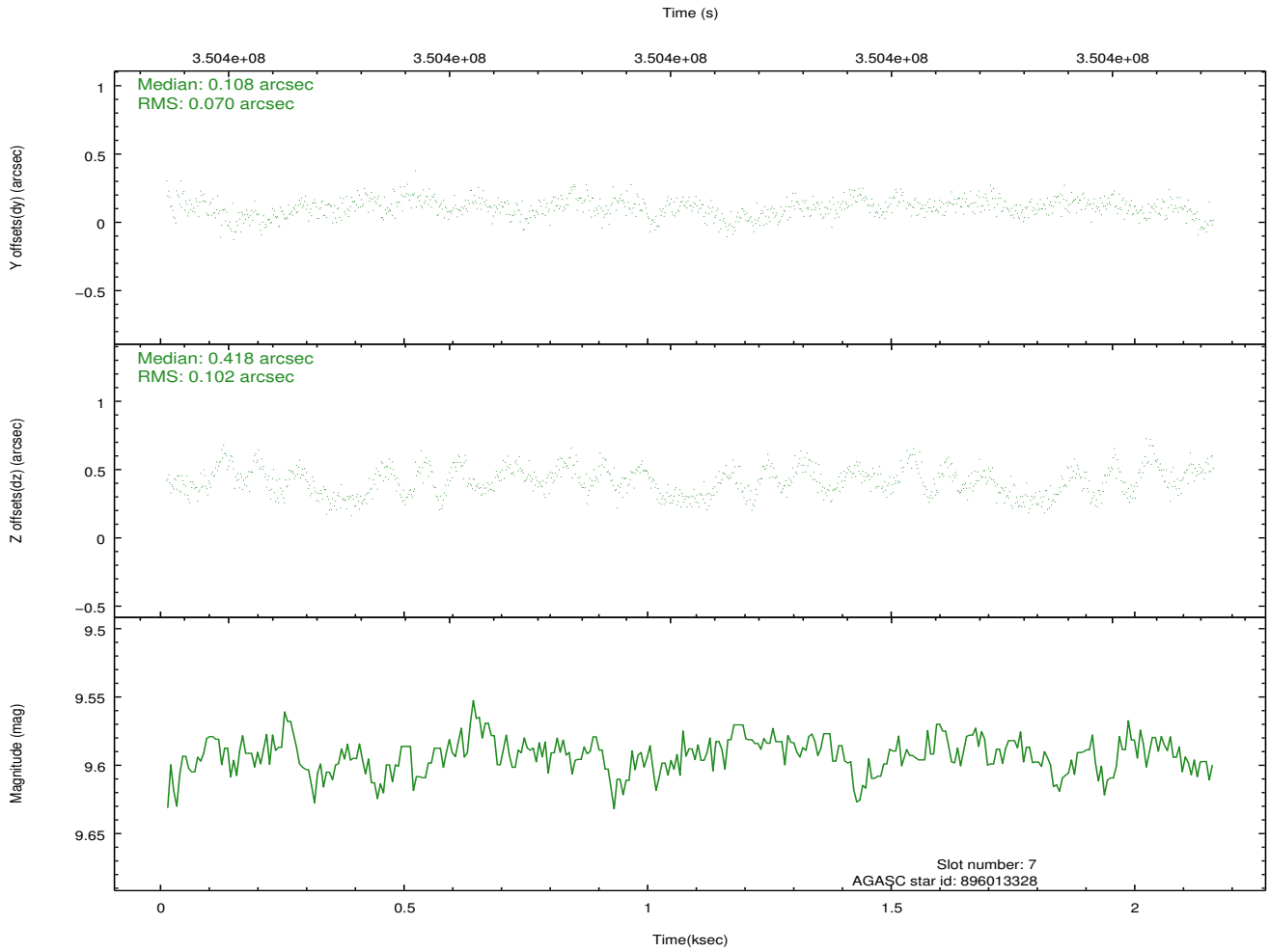
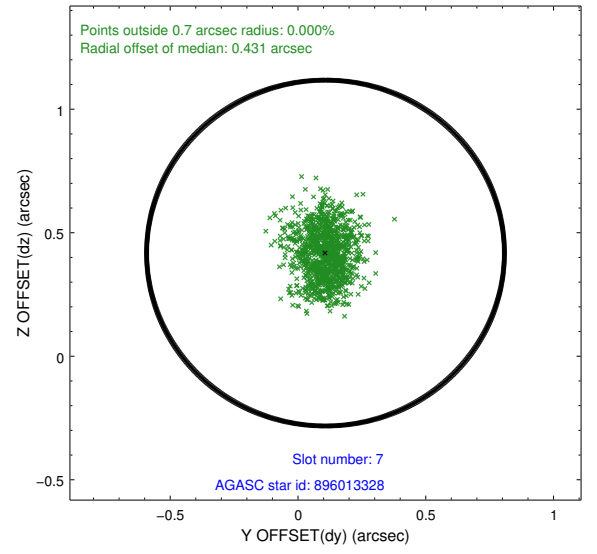
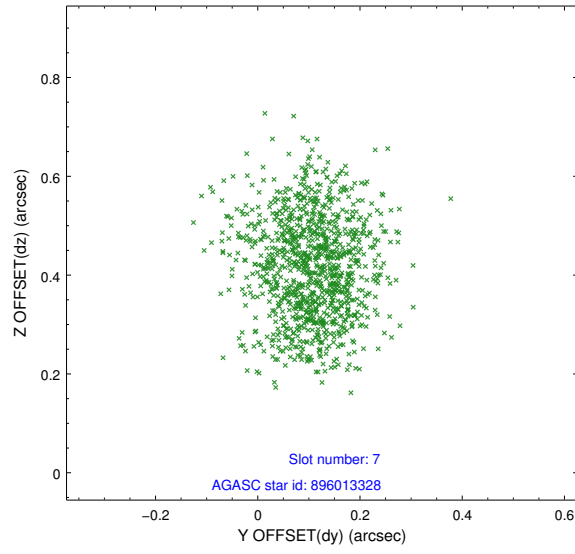
2.4.3 Slot 5



2.4.4 Slot 6

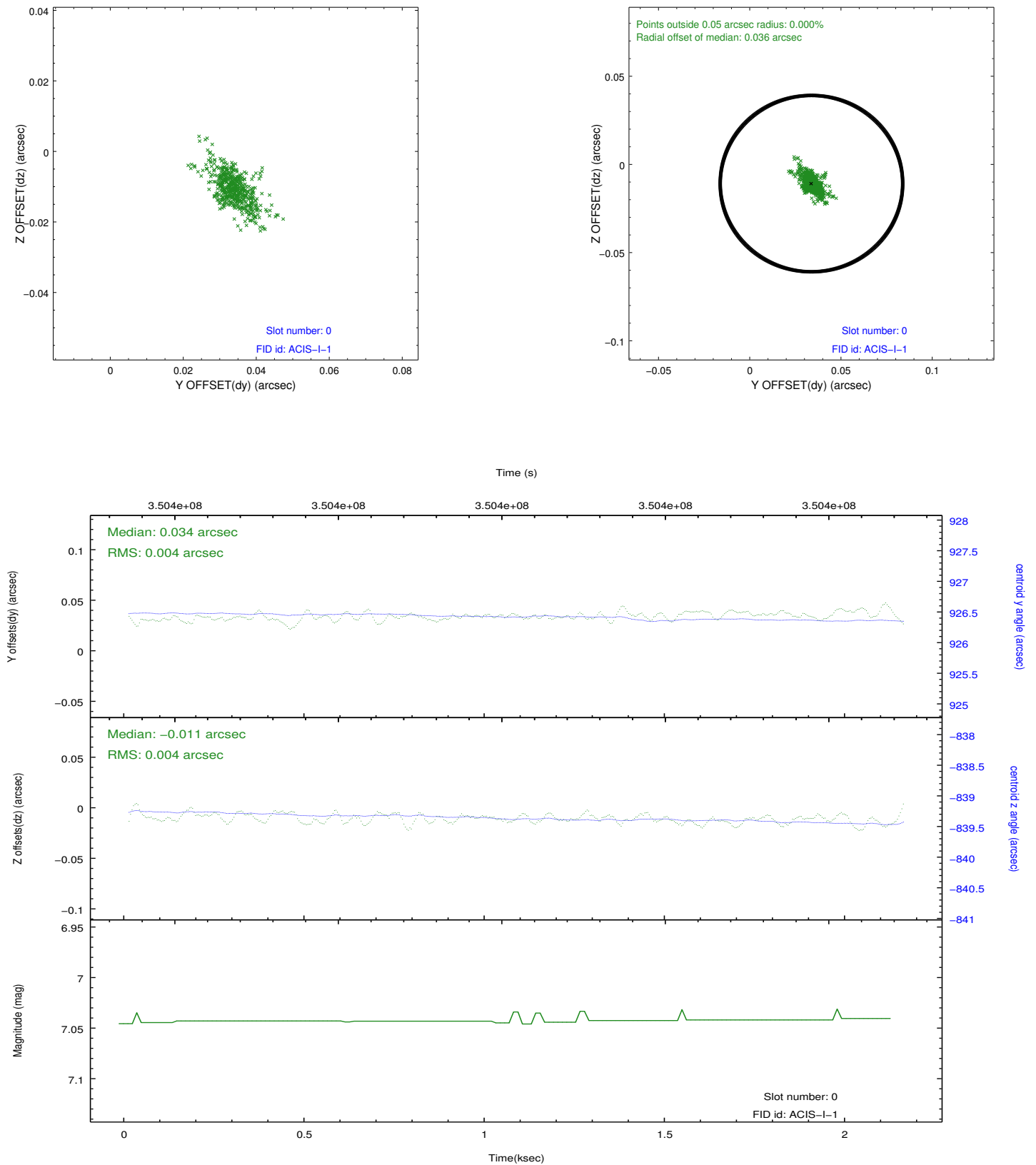


2.4.5 Slot 7

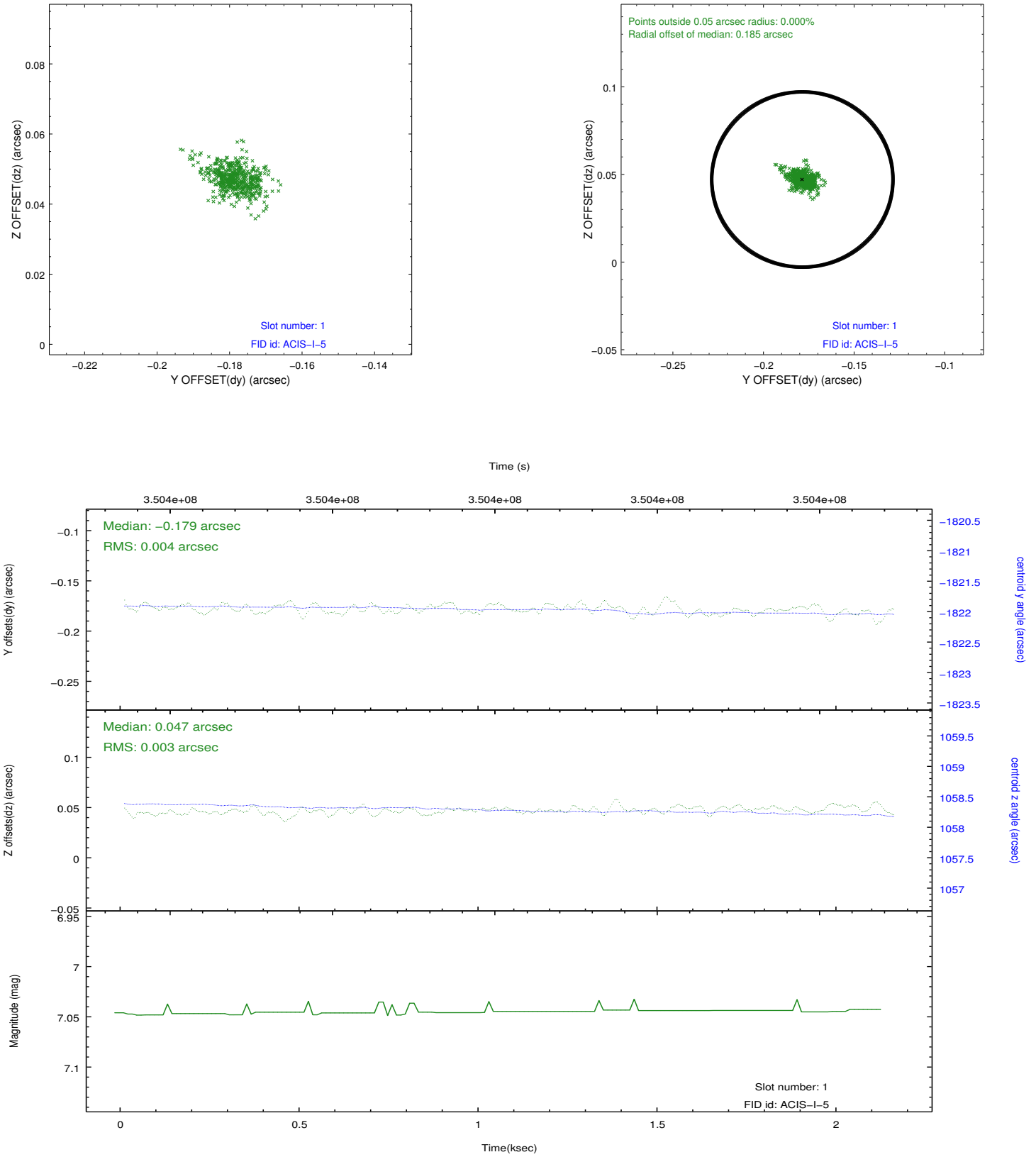


2.5 FID Slots

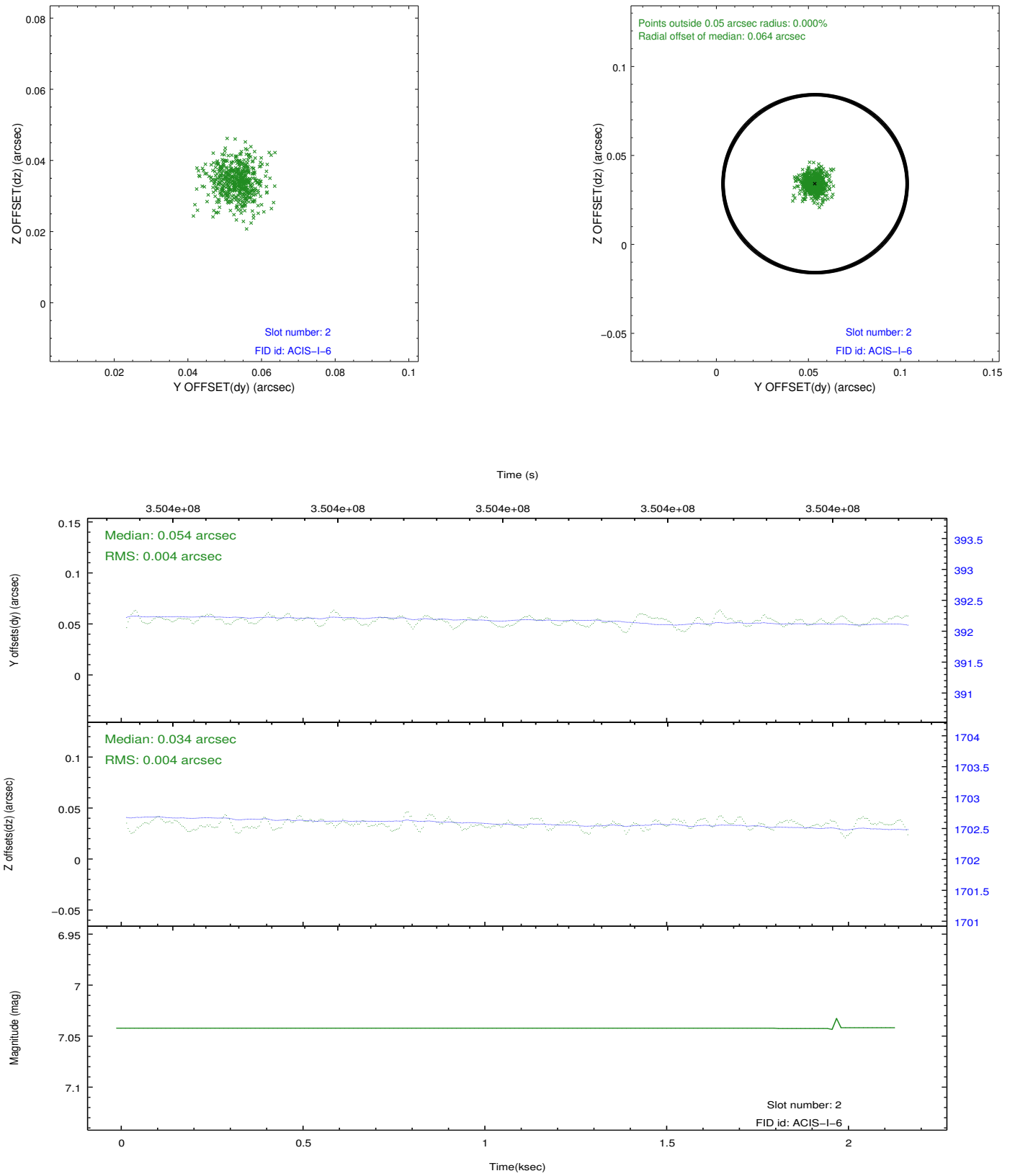
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.15140001

A.2 Comments

Joint proposal with NOAO.