

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10003 - L2 Version 2
Chandra X-Ray Center

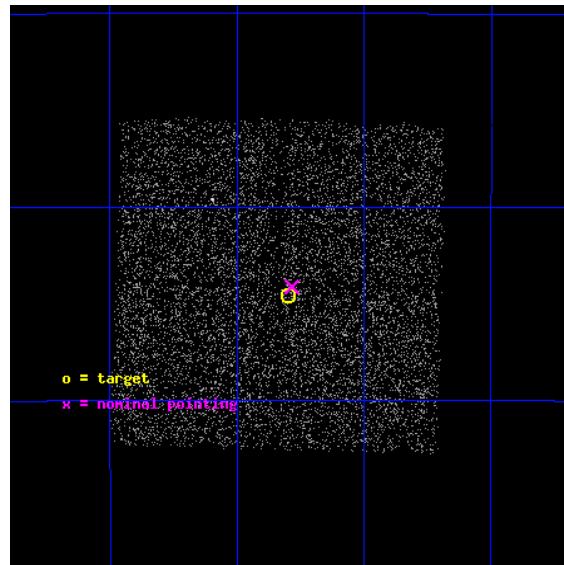
L2 Processing Date : Jun 1 2012

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1 Front

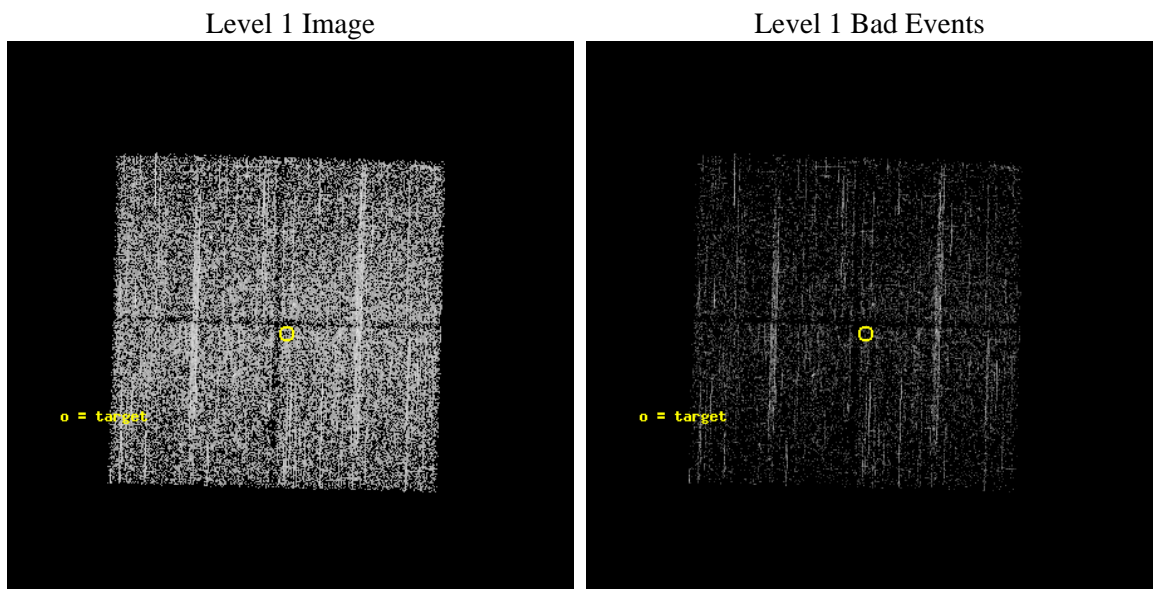
seq_num	400967	Sequence number
obs_id	10003	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.824083	Observer's specified target RA [deg]
dec_targ	-27.576083	Observer's specified target Dec [deg]
ra_nom	264.82105005682	Nominal RA [deg]
dec_nom	-27.568583682229	Nominal Dec [deg]
roll_nom	91.60015181913	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2185.4590565562	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10353	Number of level 2 events



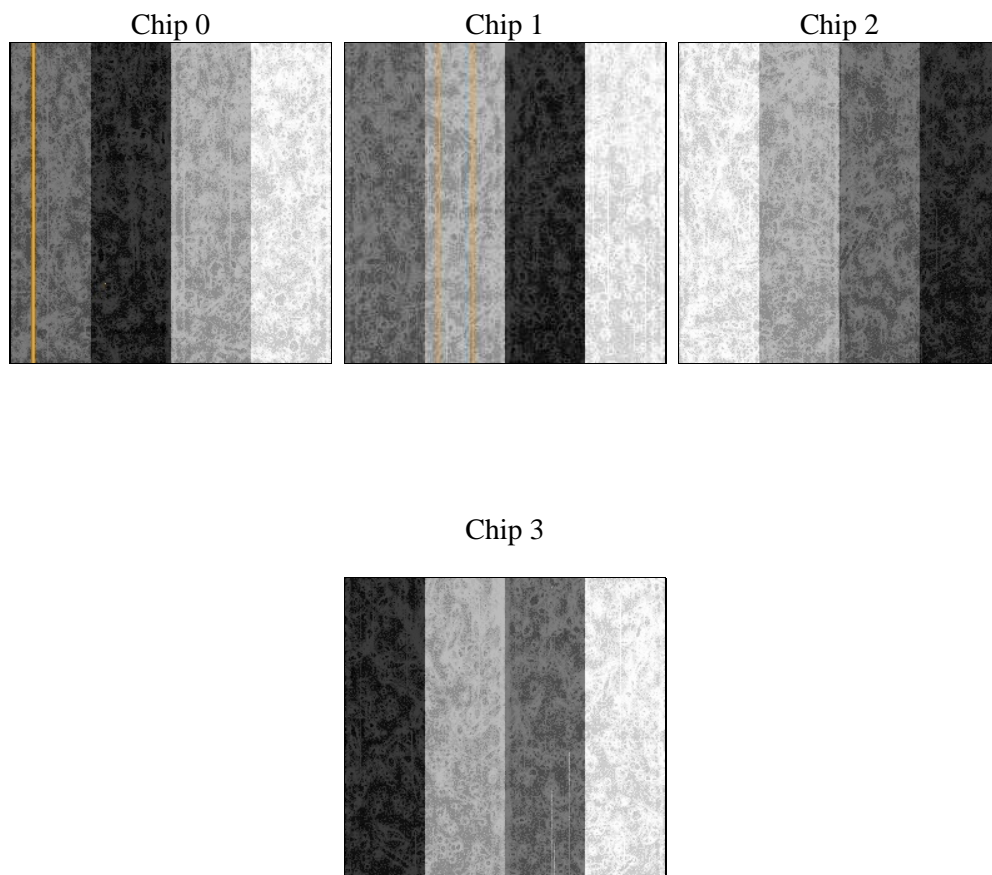
2 OBI

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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-06-01T06:03:05	Date and time of file creation	ontime1	2185.4590565562	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			l1events	96531	Number of level 1 events

2.1.4 Events

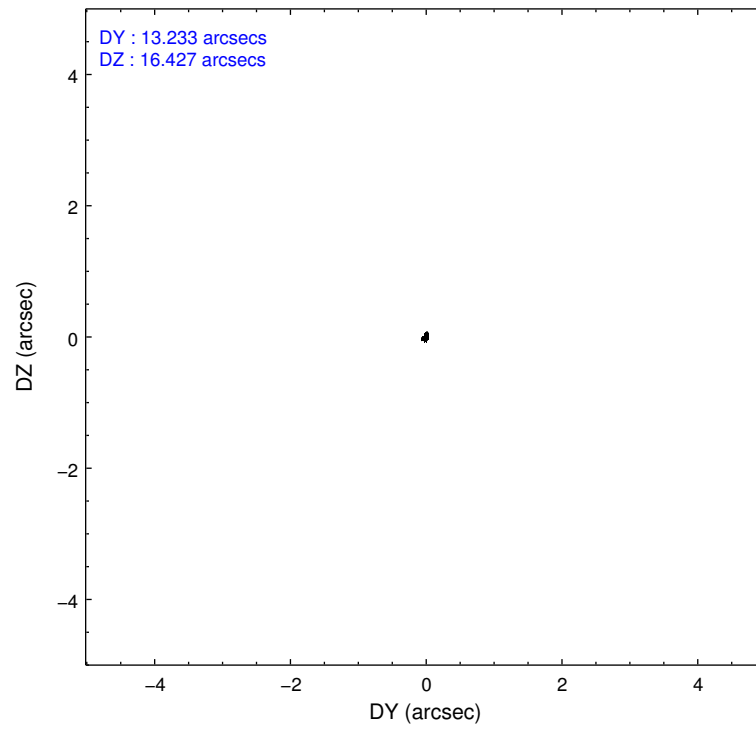
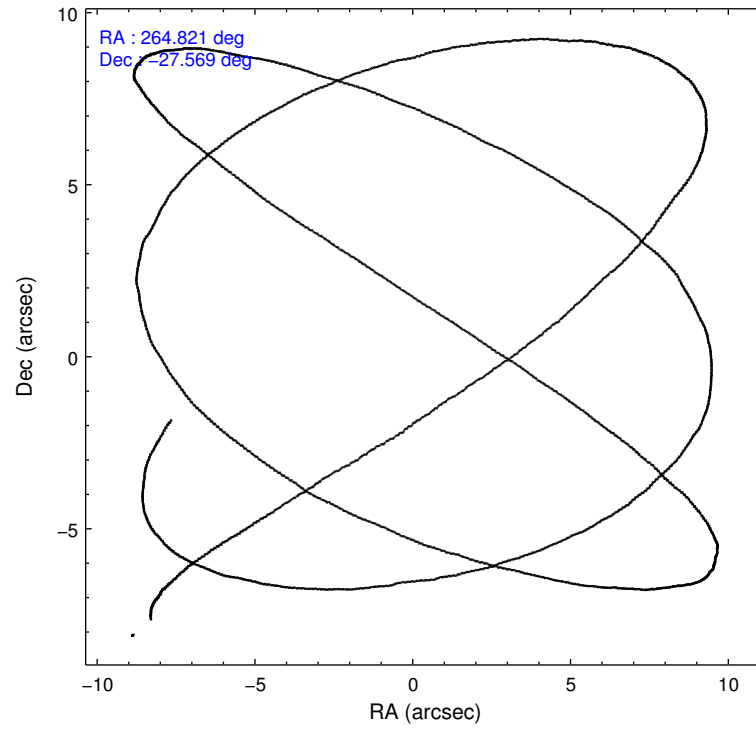
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23260	23720	24048	25503
rejected events	20163	20593	21183	22521
rejected %	86%	86%	88%	88%

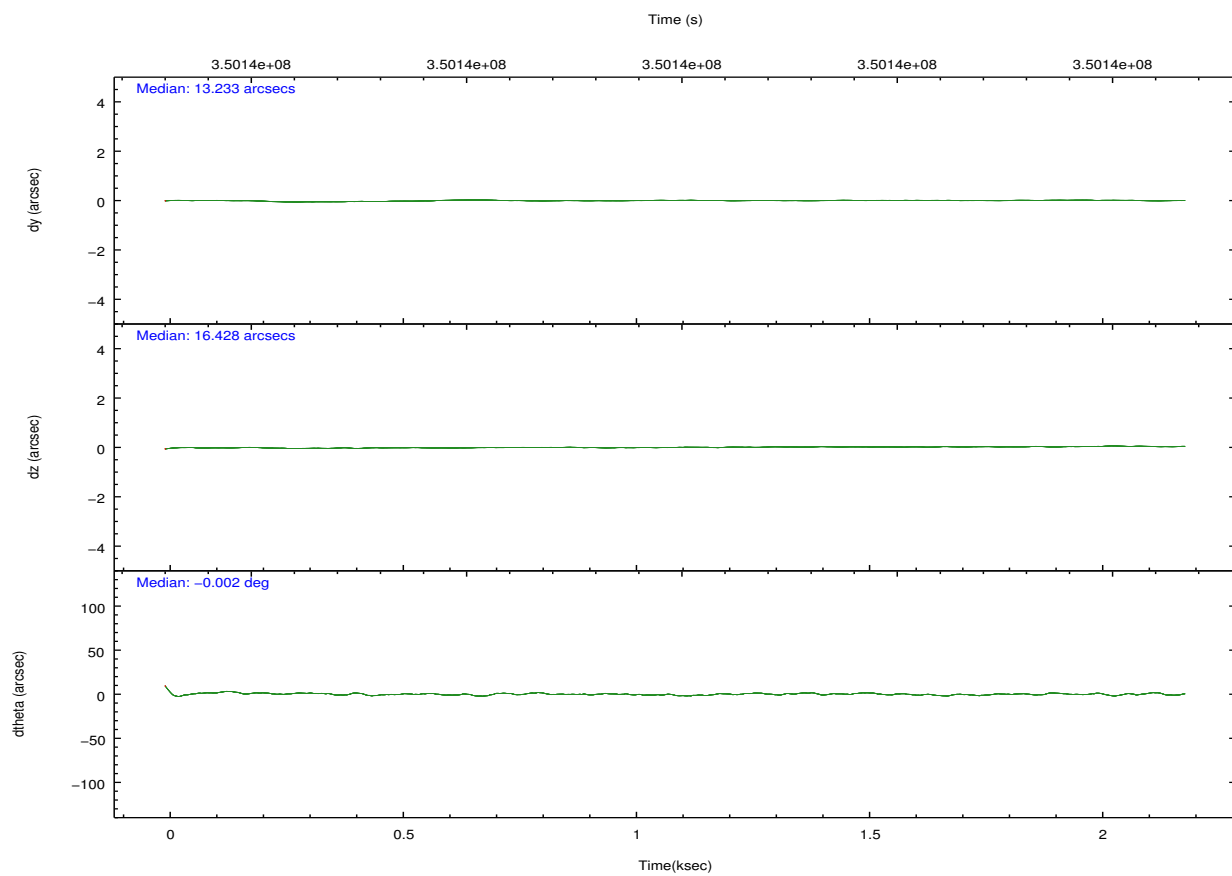
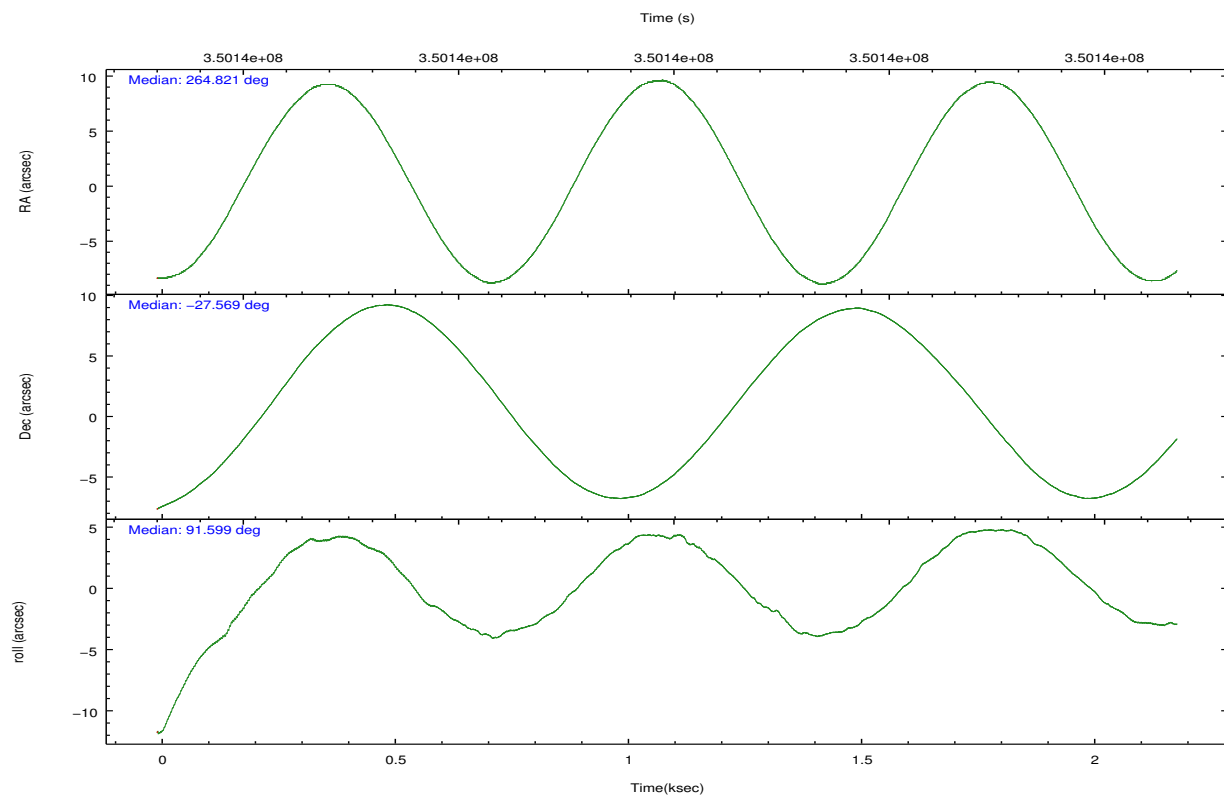
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1659	1418	1572	1540
	7%	5%	6%	6%
grade 1 events	14	8	20	25
	0%	0%	0%	0%
grade 2 events	747	827	663	633
	3%	3%	2%	2%
grade 3 events	307	317	285	327
	1%	1%	1%	1%
grade 4 events	300	337	270	319
	1%	1%	1%	1%
grade 5 events	1016	1097	982	1264
	4%	4%	4%	4%
grade 6 events	562	690	518	588
	2%	2%	2%	2%
grade 7 events	18655	19026	19738	20807
	80%	80%	82%	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	264.837497	264.8210500568175	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.591791	-27.56858368222915	Alternating exposures requested	N	N
[deg] Pointing Roll	91.399102	91.60015181913043	[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)	350137074.184000	350136698.05776			
Observation start date	2009-02-04T12:16:48	2009-02-04T12:11:38			
[s] Observation end time (MET)	350139074.184000	350139207.77039			
Observation end date	2009-02-04T12:50:08	2009-02-04T12:53:27			
Read mode	TIMED	TIMED			

2.3 Aspect



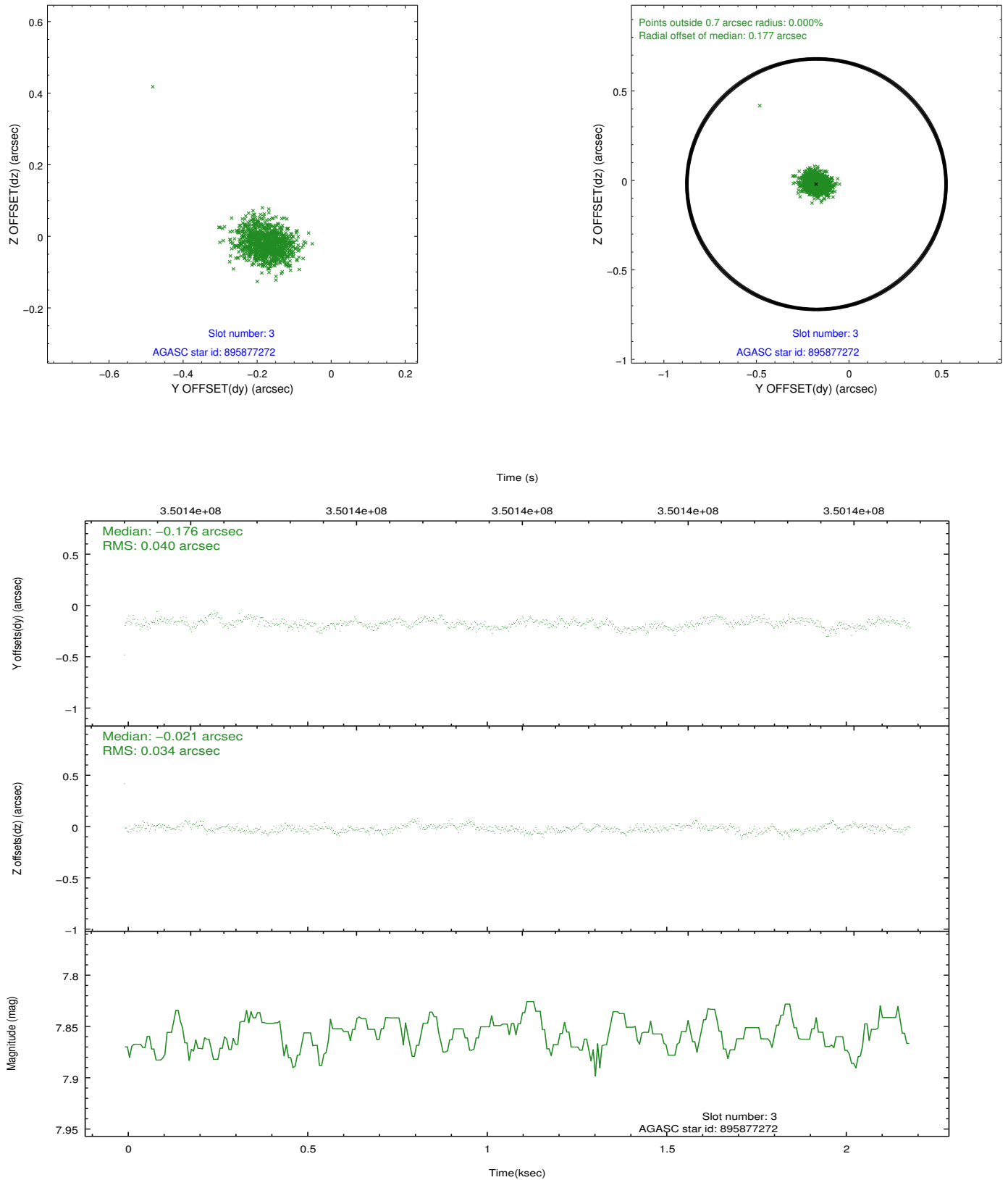


Slot Statistics

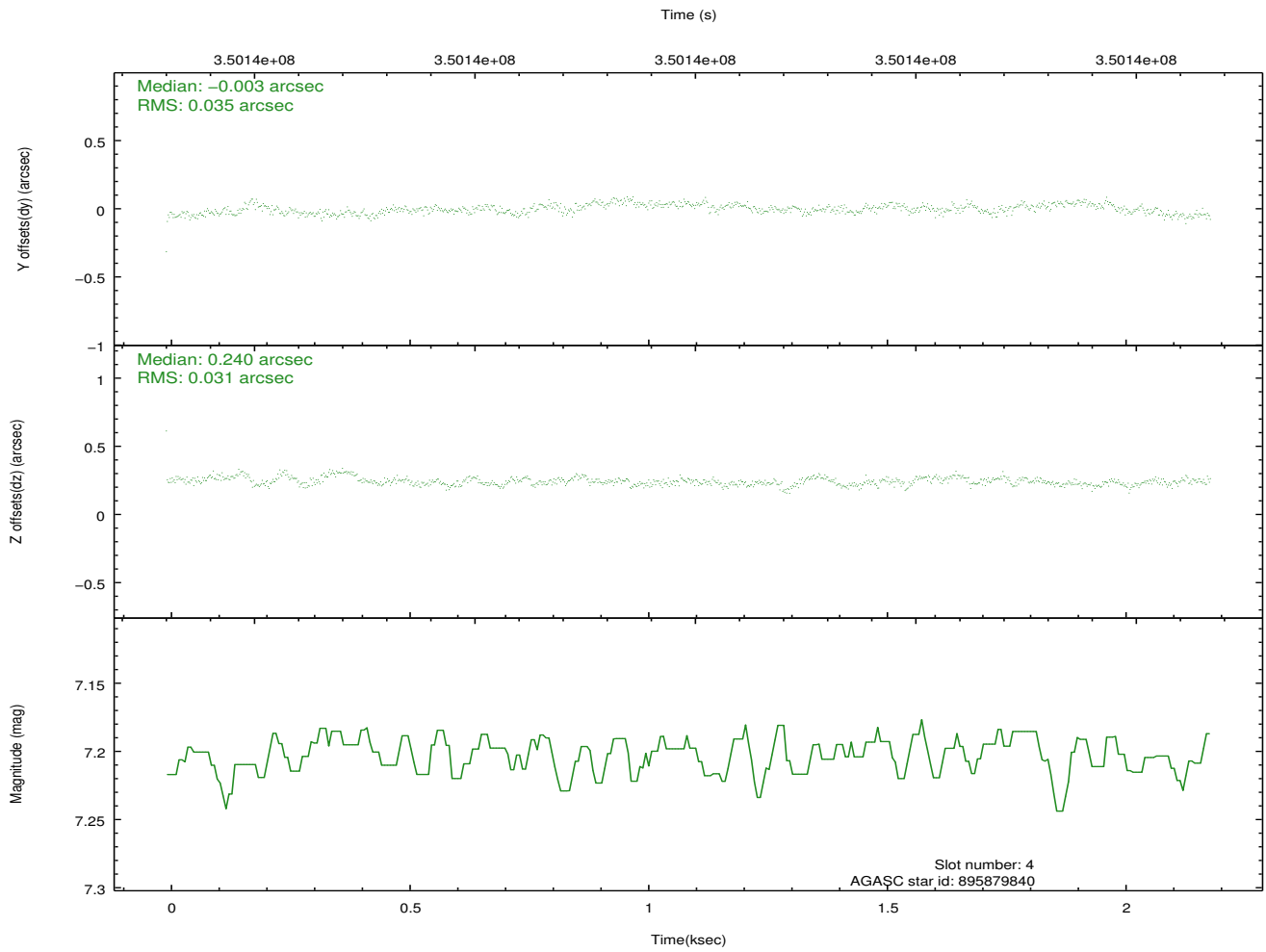
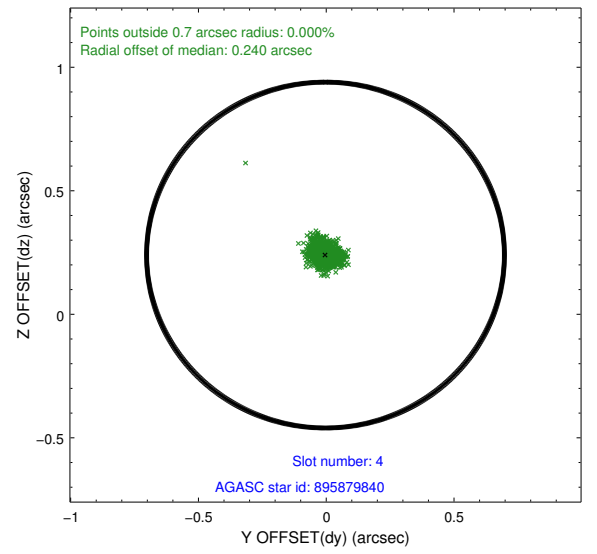
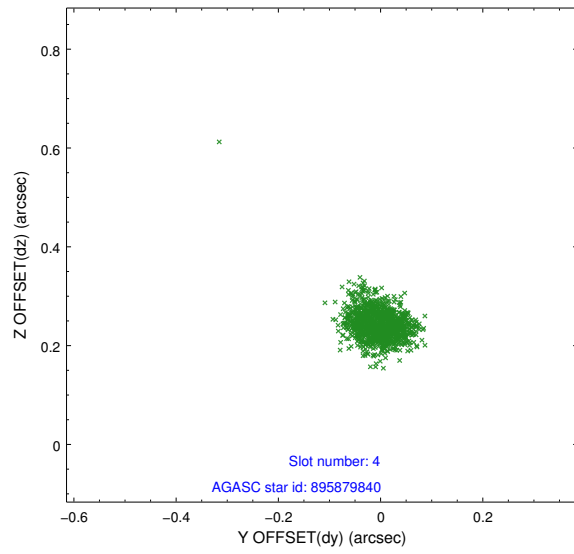
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	534	-0.053	-0.023	0.008	0.015	0.000000	0.000000	926.22	-840.09
1	FID	ACIS-I-2	6.94	534	-0.153	-0.053	0.006	0.011	0.000000	0.000000	-766.32	-848.06
2	FID	ACIS-I-4	6.93	534	0.108	0.143	0.006	0.011	0.000000	0.000000	2144.91	1058.36
3	GUIDE	895877272	7.86	1068	-0.176	-0.021	0.053	0.088	264.774842	-26.937569	2359.10	143.55
4	GUIDE	895879840	7.20	1068	-0.003	0.240	0.047	0.076	265.218397	-27.395778	676.58	-1233.82
5	GUIDE	895880152	8.23	1068	-0.307	-0.120	0.060	0.098	264.267852	-27.098682	1815.99	1780.52
6	GUIDE	896403960	8.57	1067	0.245	0.016	0.065	0.112	264.379044	-28.245612	-2317.78	1512.60
7	GUIDE	896405048	8.28	1066	0.242	-0.118	0.058	0.095	264.482575	-28.152230	-1992.47	1176.71

2.4 Star Slots

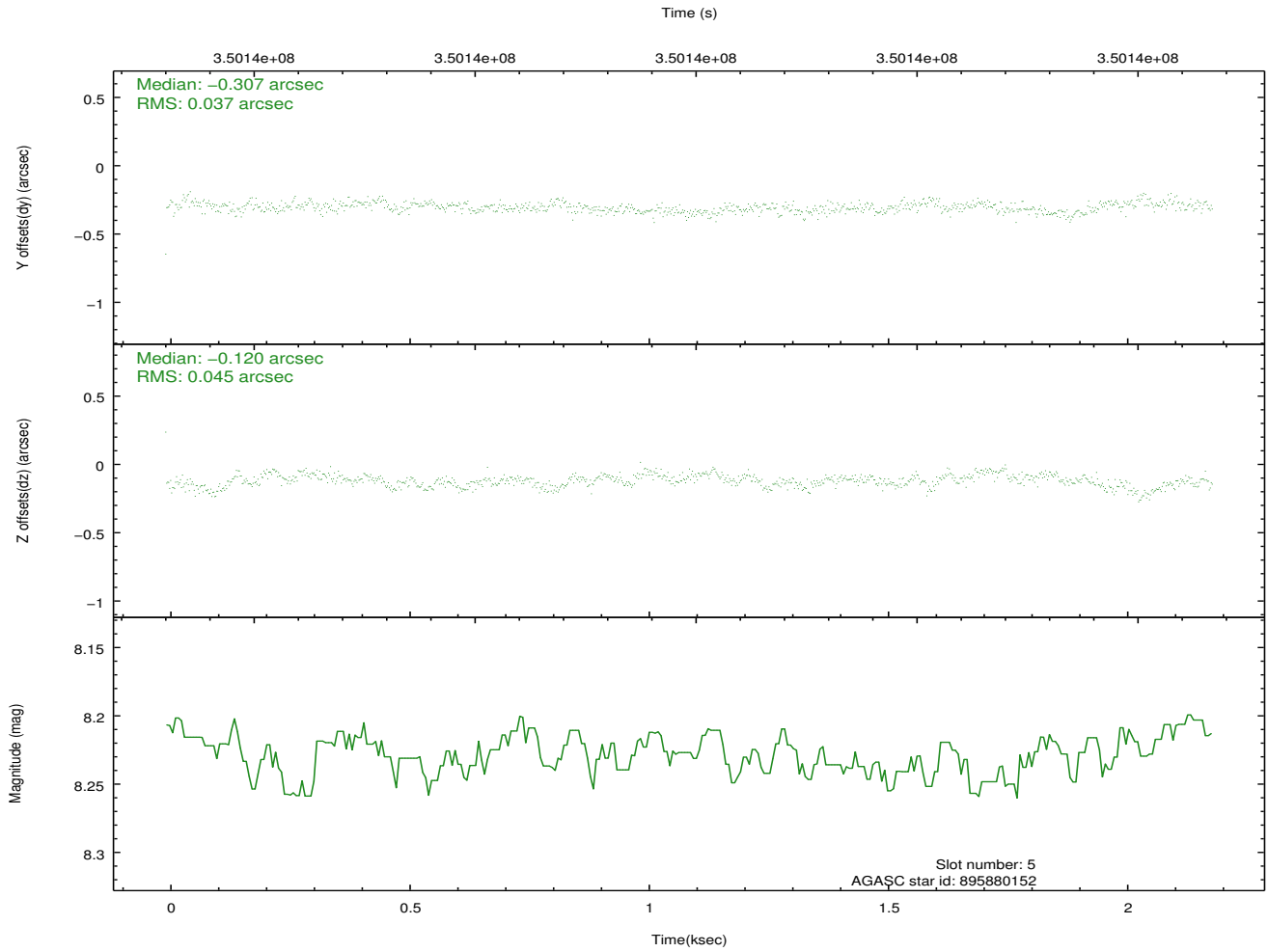
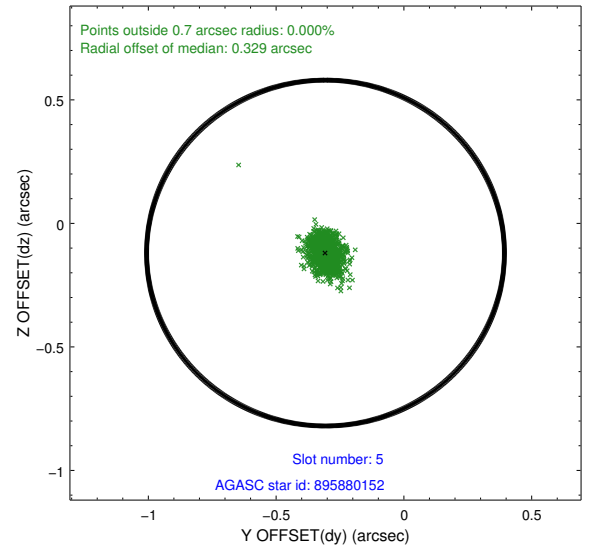
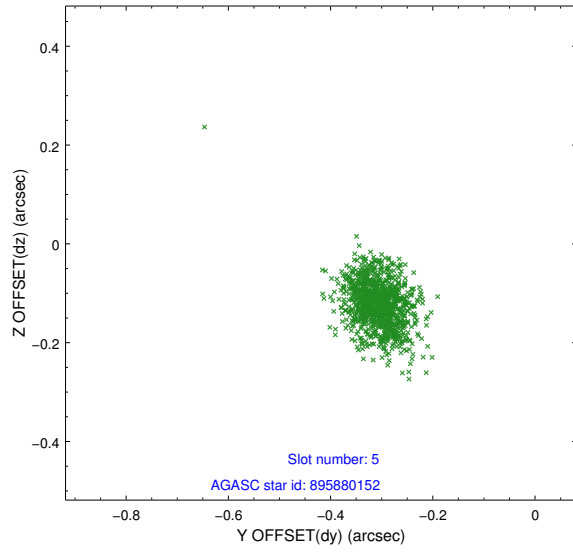
2.4.1 Slot 3



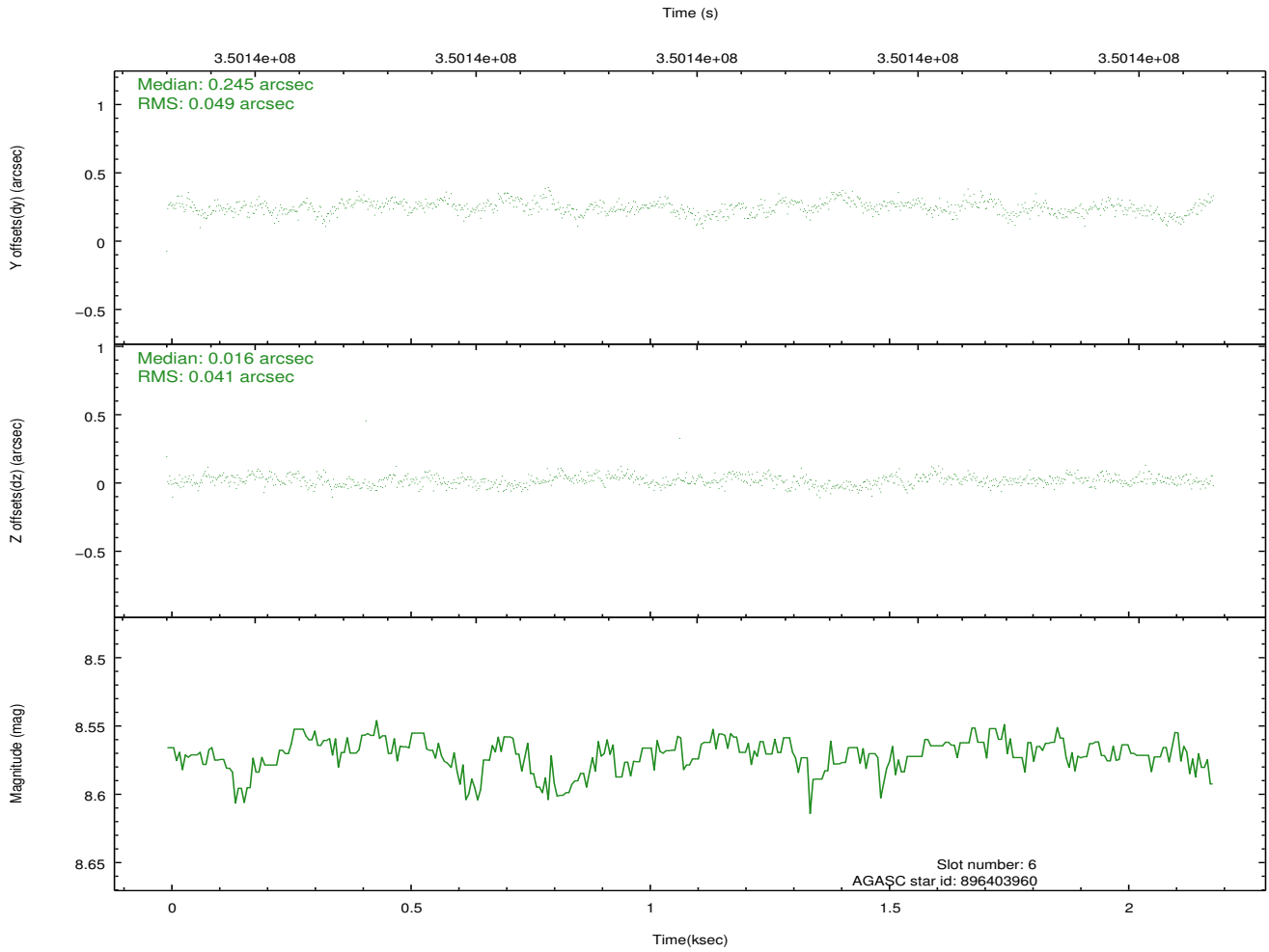
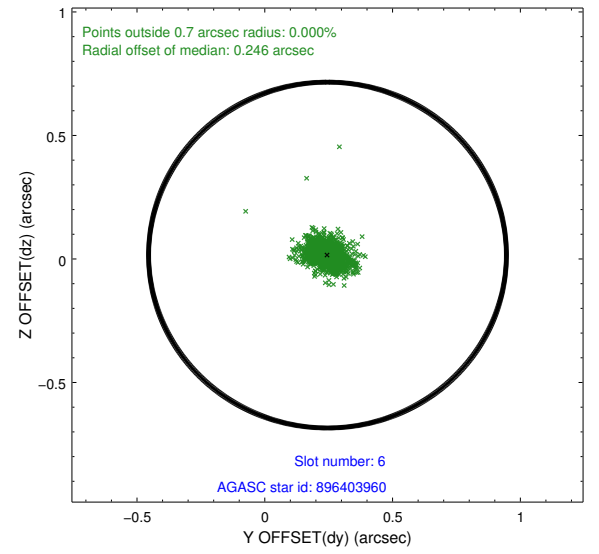
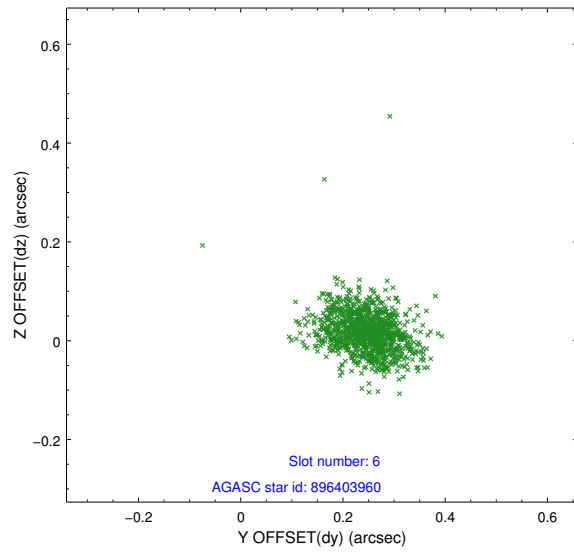
2.4.2 Slot 4



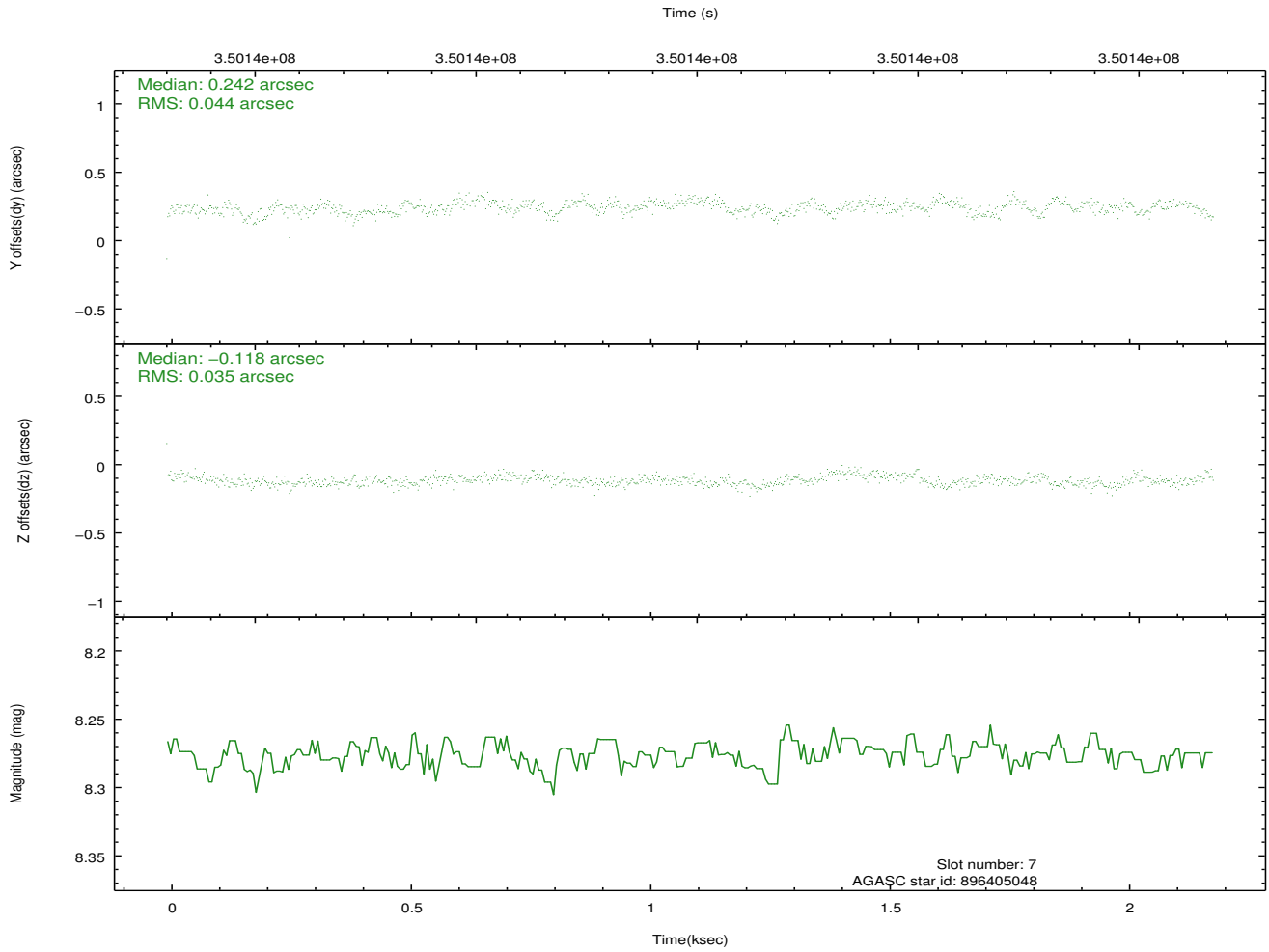
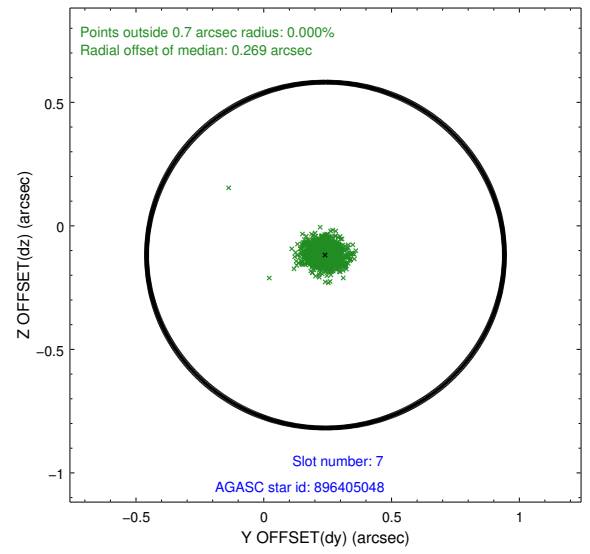
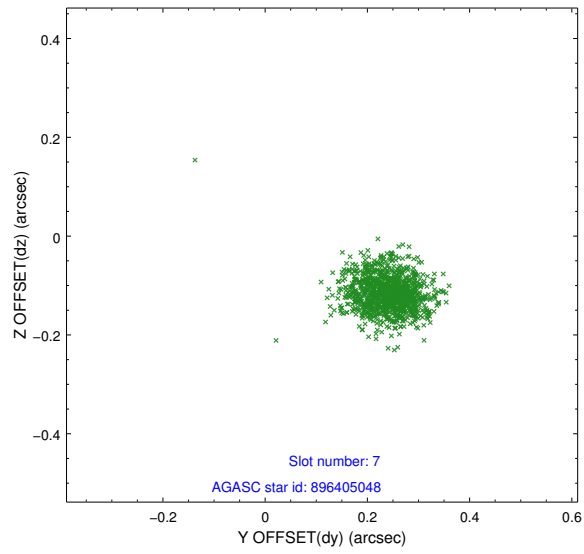
2.4.3 Slot 5



2.4.4 Slot 6

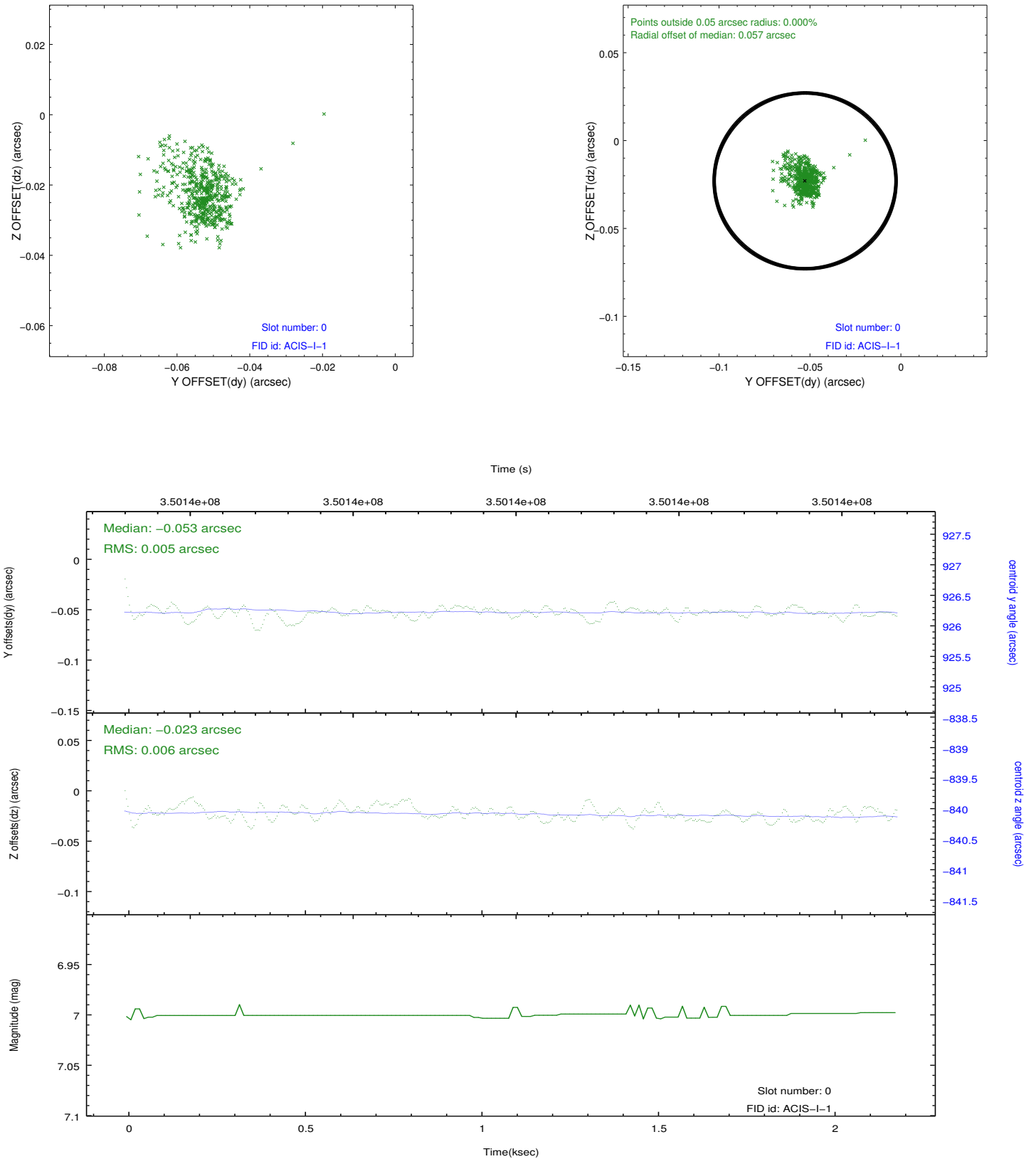


2.4.5 Slot 7

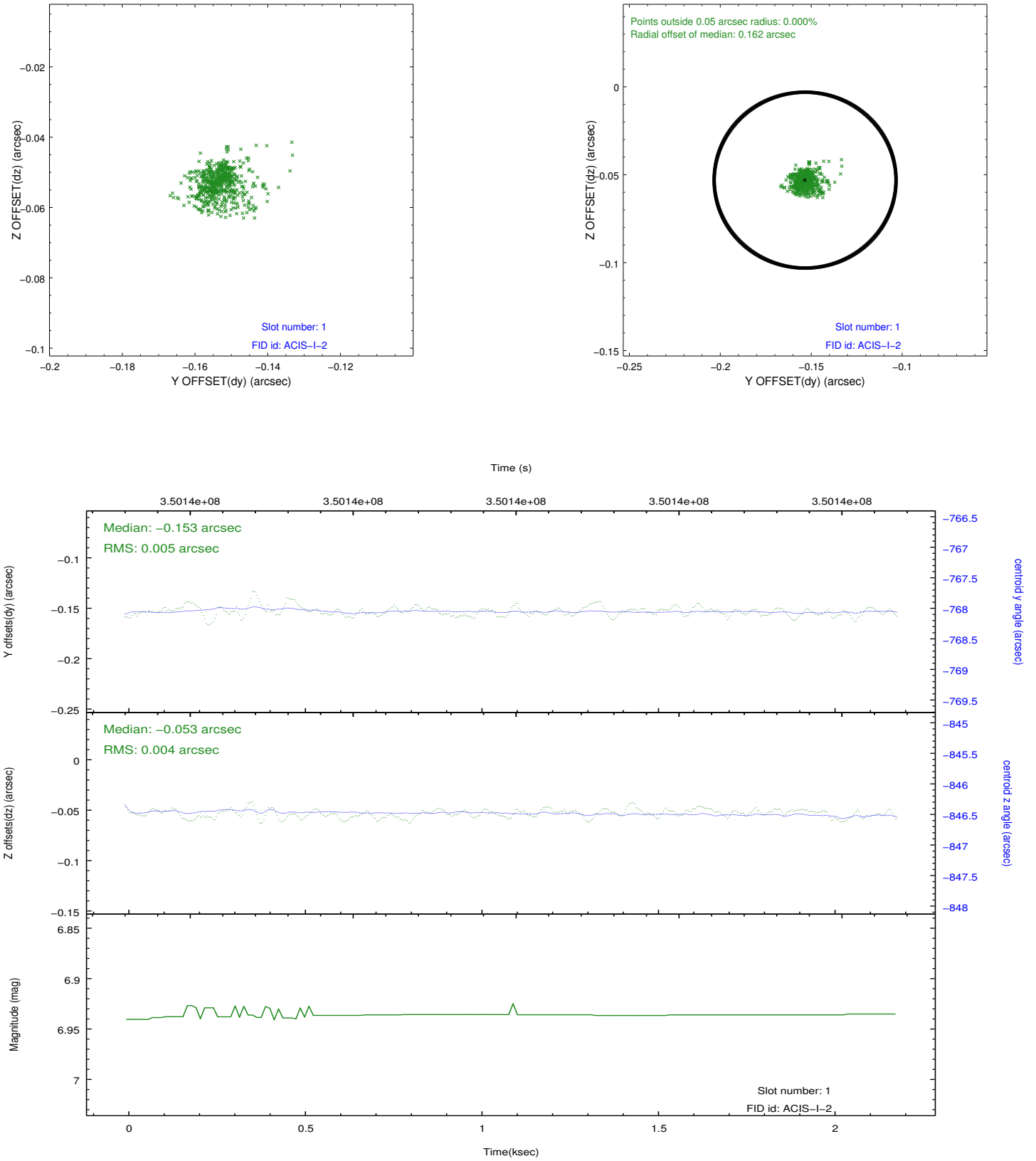


2.5 FID Slots

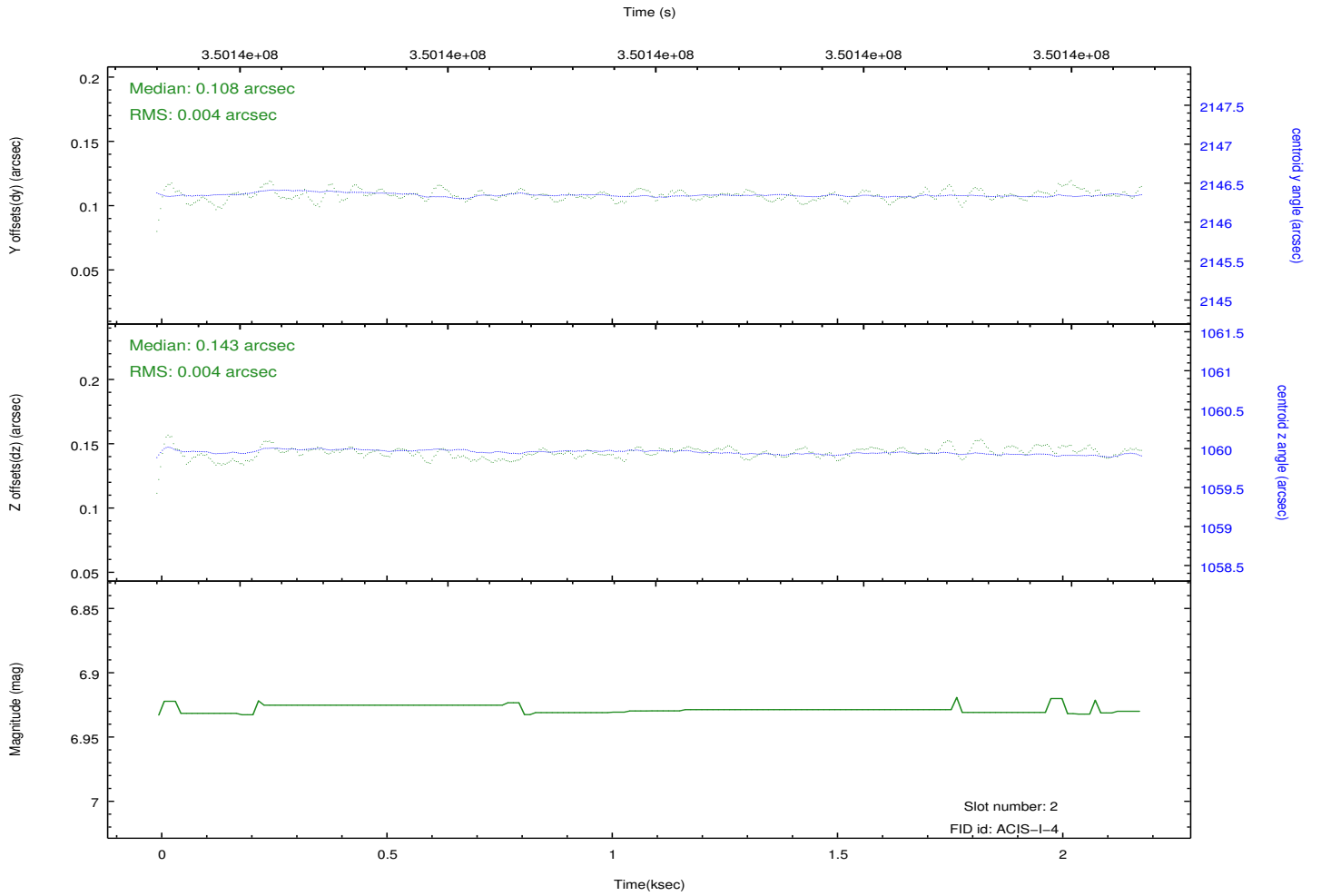
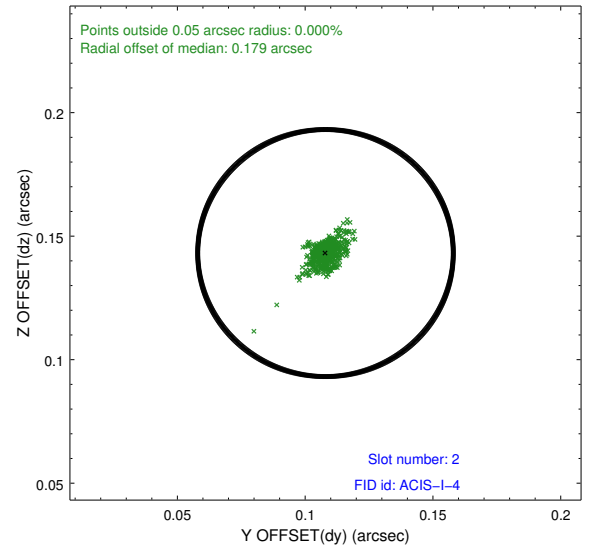
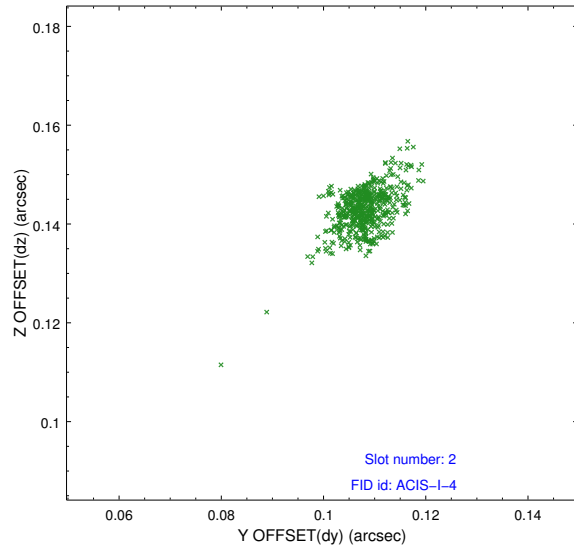
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint proposal with NOAO.