

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10020 - L2 Version 2
Chandra X-Ray Center

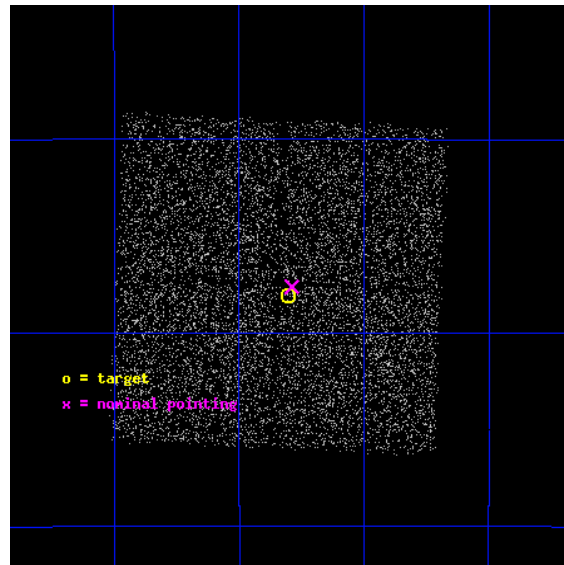
L2 Processing Date : Jun 1 2012

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1 Front

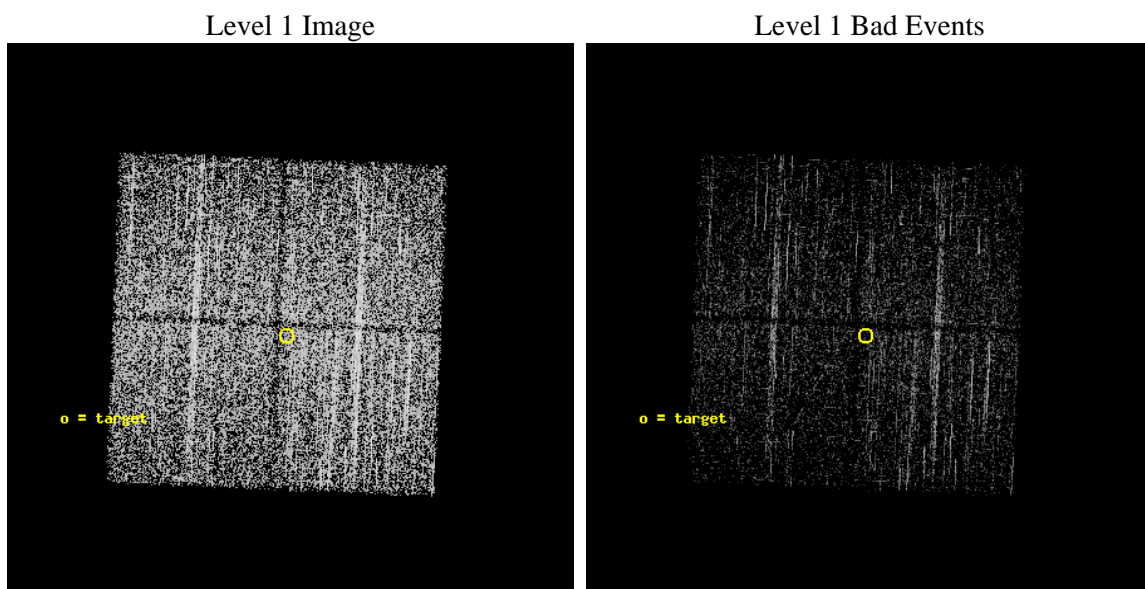
seq_num	400984	Sequence number
obs_id	10020	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.5755	Observer's specified target RA [deg]
dec_targ	-29.301278	Observer's specified target Dec [deg]
ra_nom	263.57232990784	Nominal RA [deg]
dec_nom	-29.293683997627	Nominal Dec [deg]
roll_nom	92.445195161832	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2176.200016737	Sum of GTIs [s]
livetime	2147.7663614232	Livetime [s]
ontime0	2176.200016737	Sum of GTIs [s]
ontime1	2176.200016737	Sum of GTIs [s]
ontime2	2176.200016737	Sum of GTIs [s]
ontime3	2176.200016737	Sum of GTIs [s]
l2events	10356	Number of level 2 events



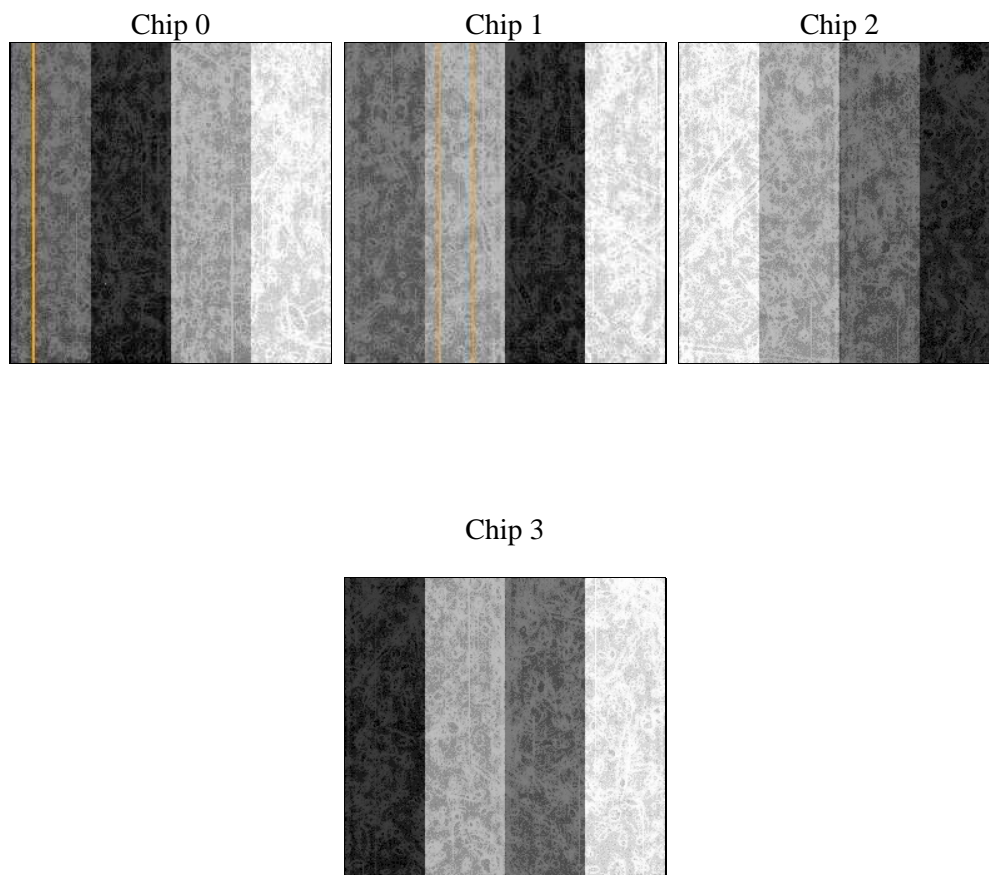
2 OBI

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	2176.200016737	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2176.200016737	Sum of GTIs [s]
date	2012-06-01T06:01:43	Date and time of file creation	ontime1	2176.200016737	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.200016737	Sum of GTIs [s]
			ontime3	2176.200016737	Sum of GTIs [s]
			l1events	94305	Number of level 1 events

2.1.4 Events

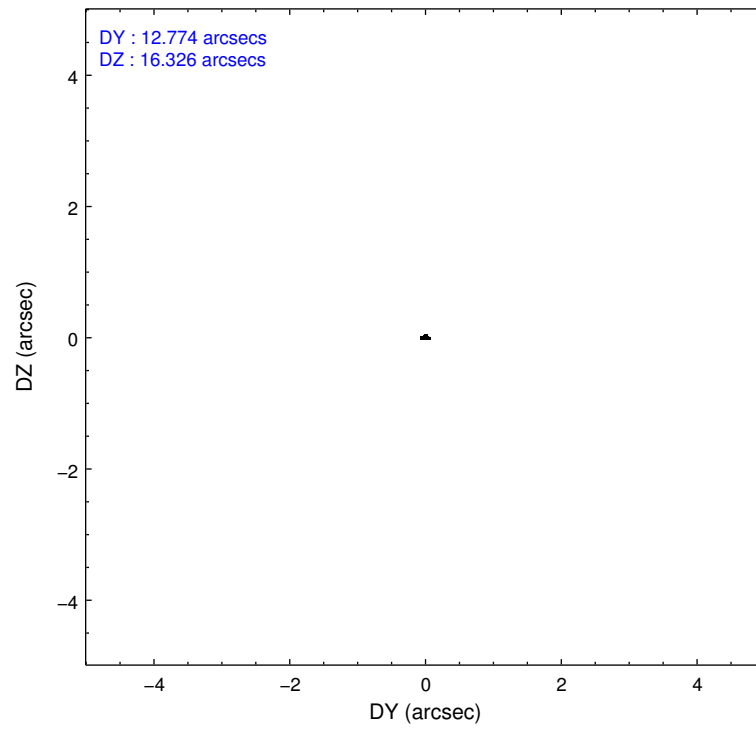
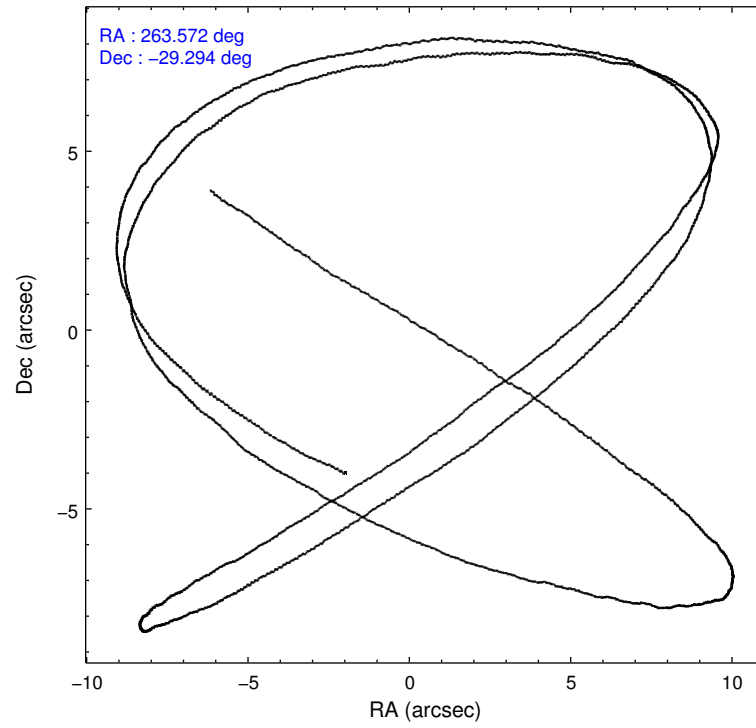
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23257	21262	23181	26605
rejected events	20330	18115	20264	23617
rejected %	87%	85%	87%	88%

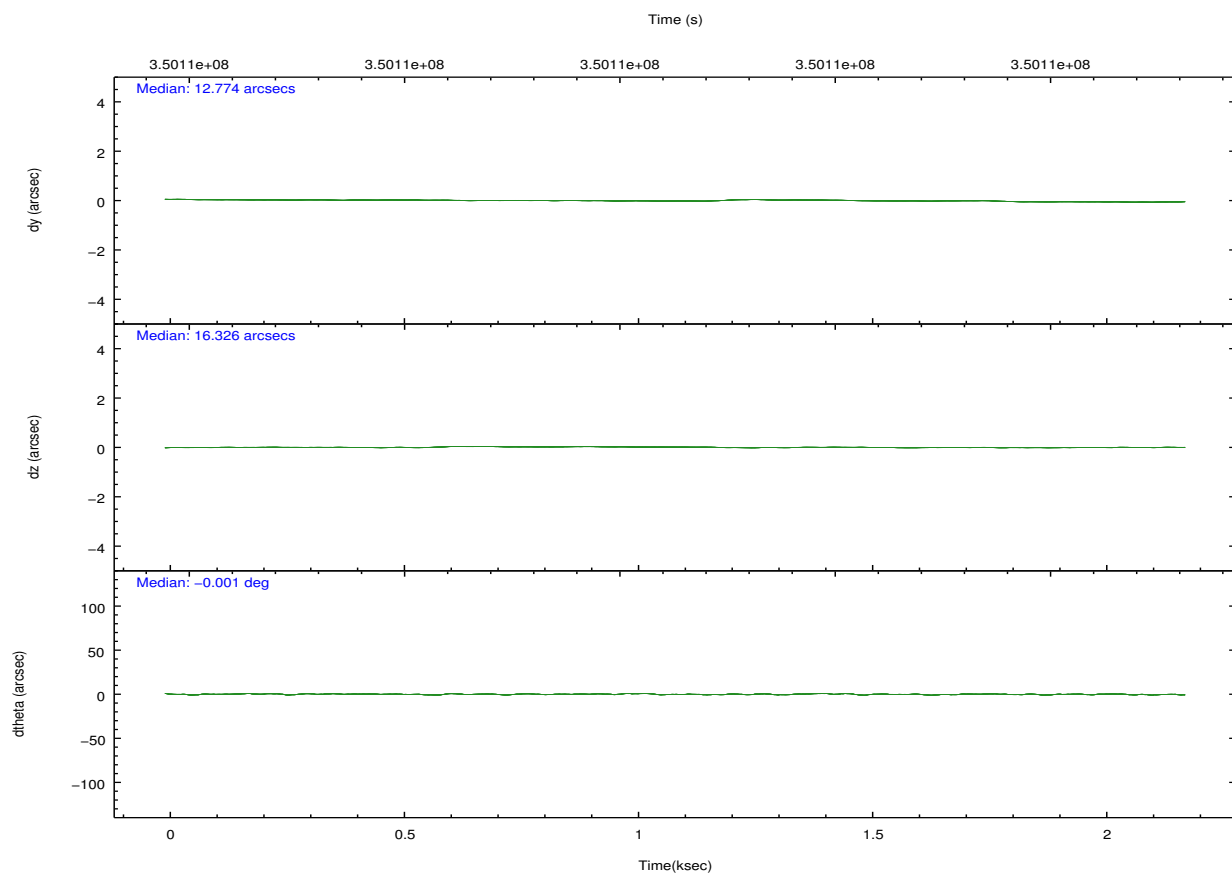
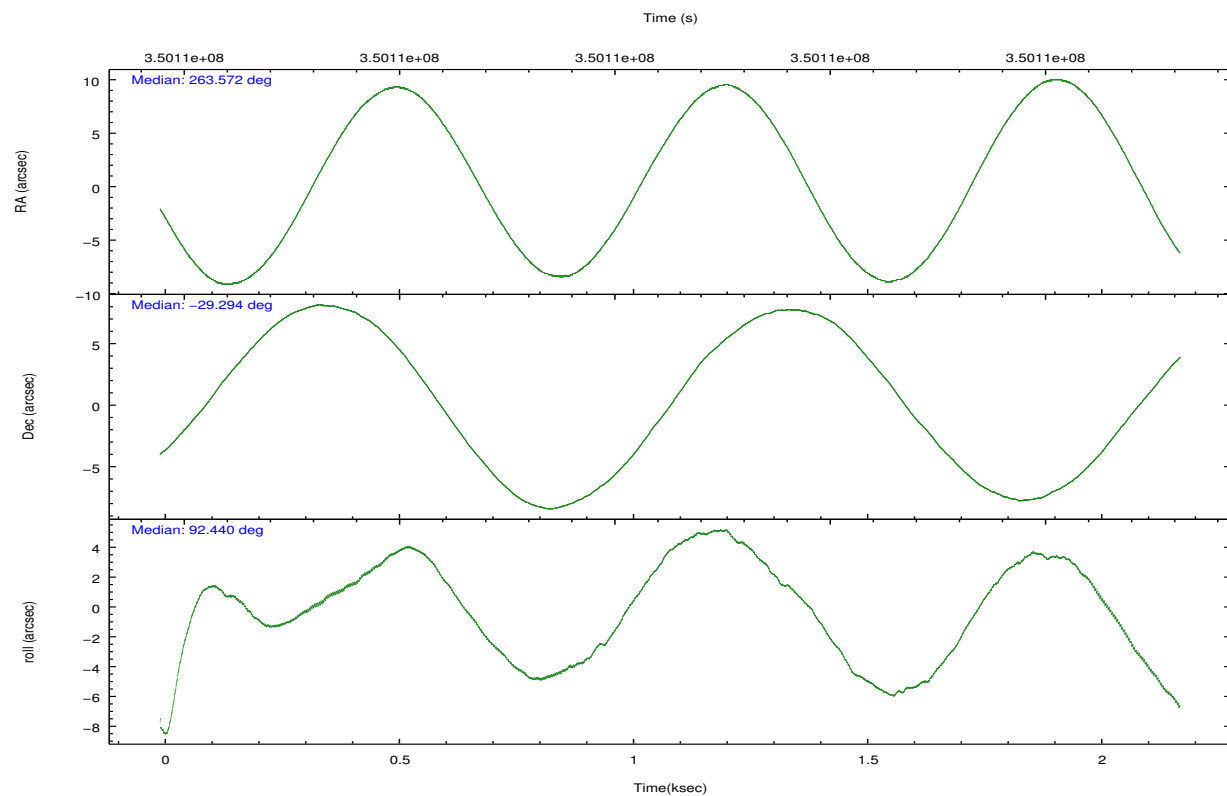
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1419	1384	1462	1524
	6%	6%	6%	5%
grade 1 events	15	14	19	24
	0%	0%	0%	0%
grade 2 events	706	760	651	631
	3%	3%	2%	2%
grade 3 events	300	339	249	270
	1%	1%	1%	1%
grade 4 events	275	318	282	308
	1%	1%	1%	1%
grade 5 events	1016	1112	919	1172
	4%	5%	3%	4%
grade 6 events	502	653	517	550
	2%	3%	2%	2%
grade 7 events	19024	16682	19082	22126
	81%	78%	82%	83%

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	263.589402	263.5723299078352	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.316814	-29.29368399762703	Alternating exposures requested	N	N
[deg] Pointing Roll	92.244870	92.44519516183156	[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)	350107208.184000	350106832.11878			
Observation start date	2009-02-04T03:59:02	2009-02-04T03:53:52			
[s] Observation end time (MET)	350109208.184000	350110229.99395			
Observation end date	2009-02-04T04:32:22	2009-02-04T04:50:29			
Read mode	TIMED	TIMED			

2.3 Aspect



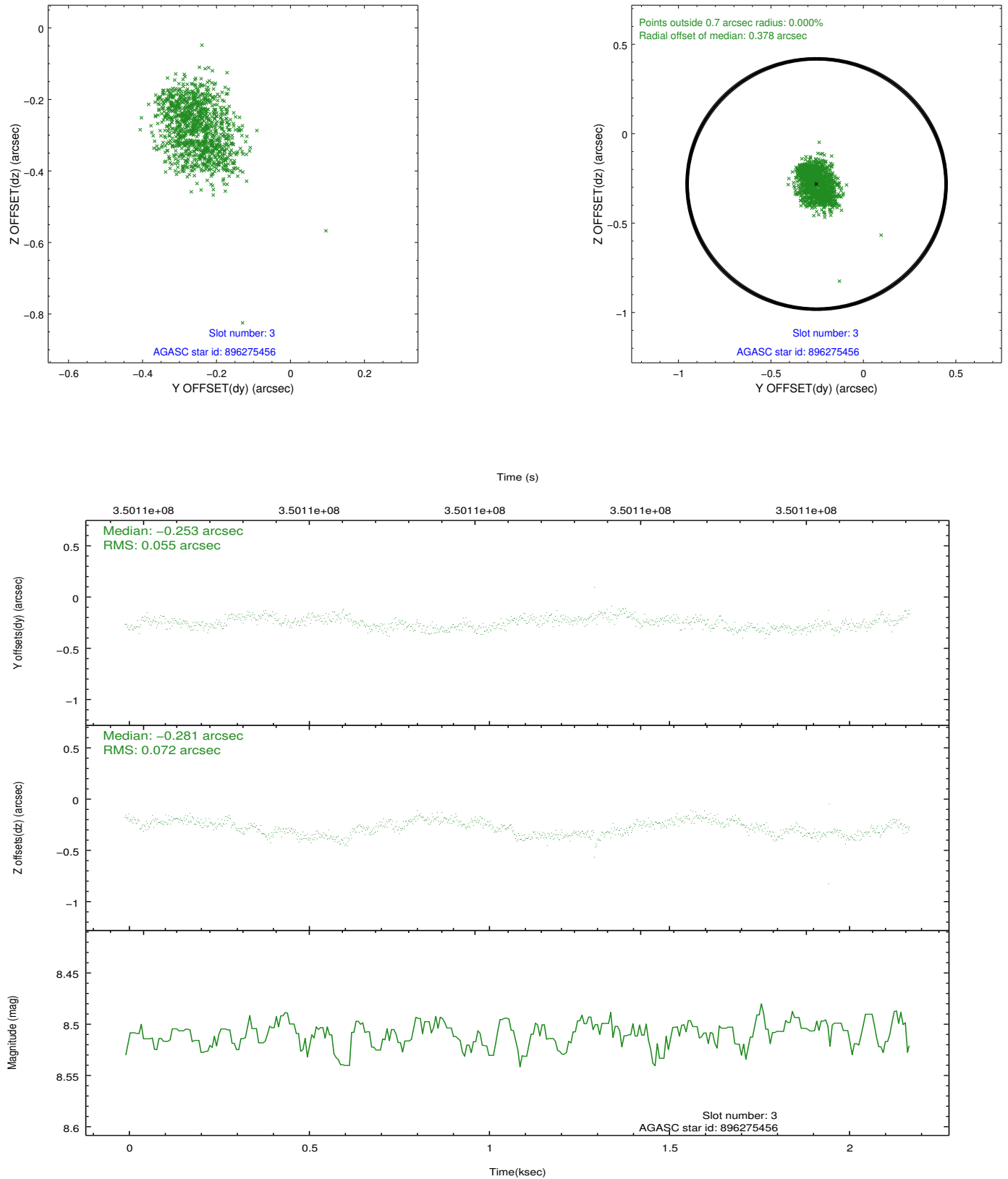


Slot Statistics

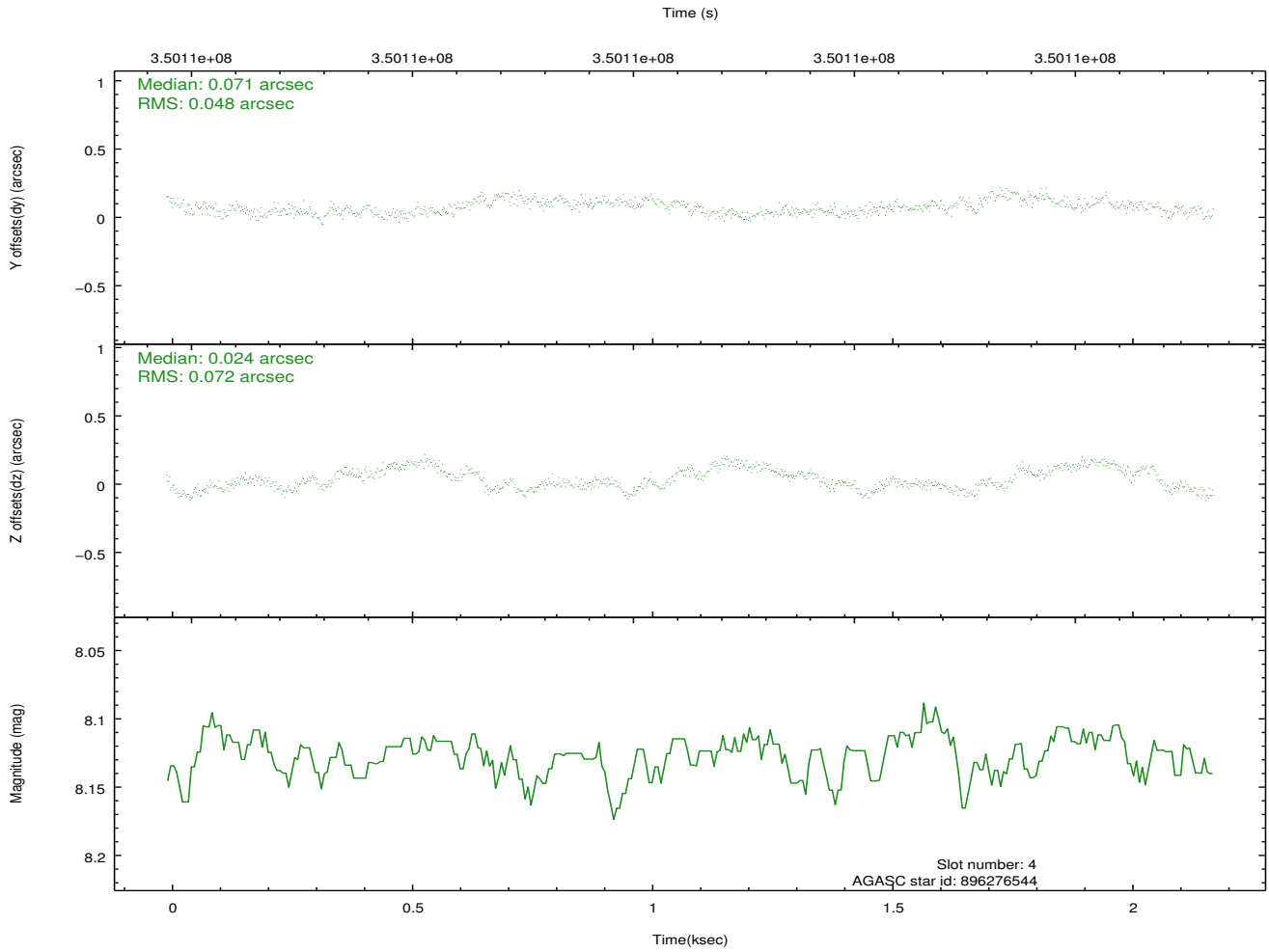
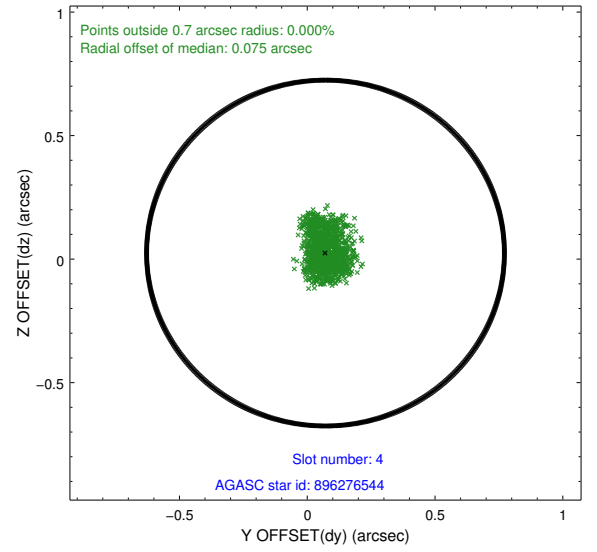
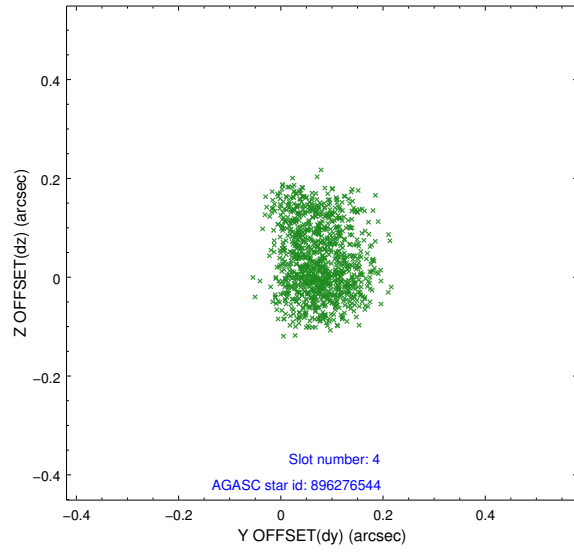
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	532	0.057	-0.038	0.006	0.010	0.000000	0.000000	926.79	-840.02
1	FID	ACIS-I-5	7.00	532	-0.183	0.065	0.006	0.009	0.000000	0.000000	-1819.87	1056.11
2	FID	ACIS-I-6	6.99	532	0.036	0.044	0.006	0.010	0.000000	0.000000	389.10	1703.95
3	GUIDE	896275456	8.51	1064	-0.253	-0.281	0.098	0.141	263.022674	-28.835237	1797.98	1717.99
4	GUIDE	896276544	8.13	1064	0.071	0.024	0.098	0.146	263.666616	-29.255819	211.92	-249.35
5	GUIDE	896276584	7.41	1064	0.092	-0.186	0.063	0.103	263.264332	-29.650845	-1162.68	1062.79
6	GUIDE	896403072	8.35	1063	-0.033	0.148	0.076	0.128	263.956439	-28.943077	1296.64	-1206.89
7	GUIDE	896406904	8.99	1062	0.112	0.289	0.100	0.165	264.311862	-29.742267	-1624.13	-2197.37

2.4 Star Slots

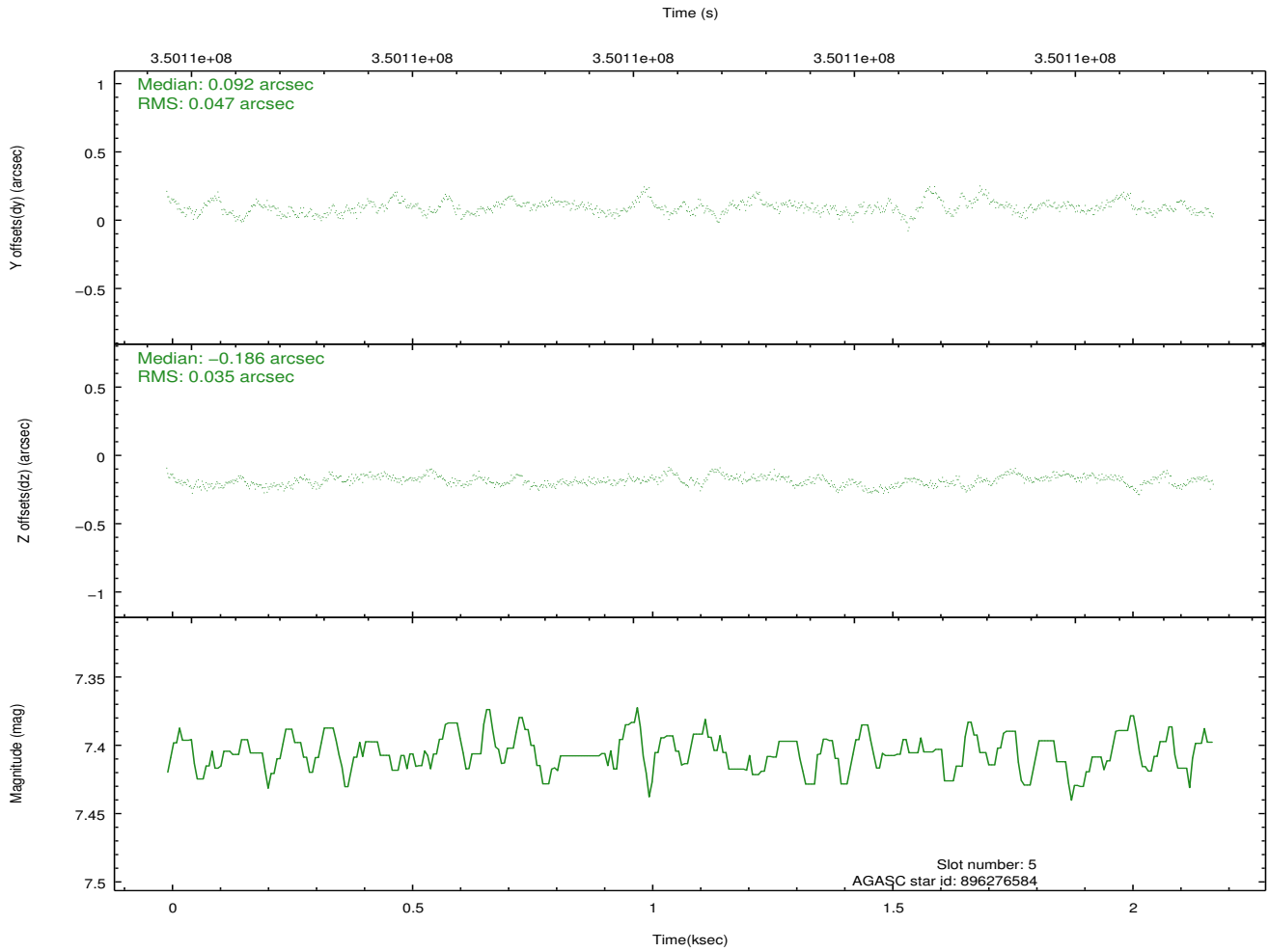
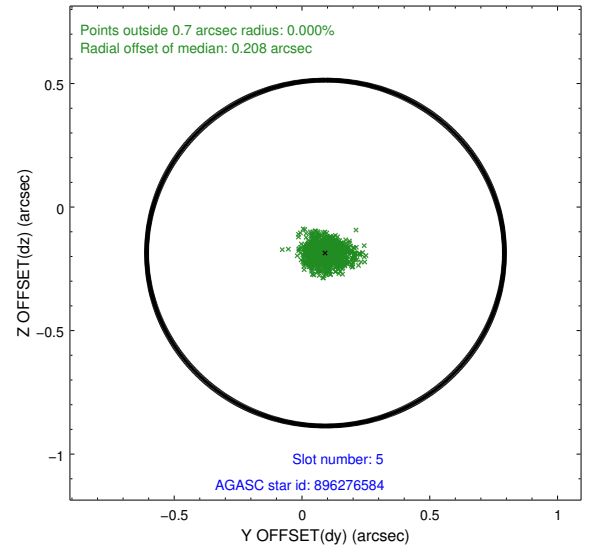
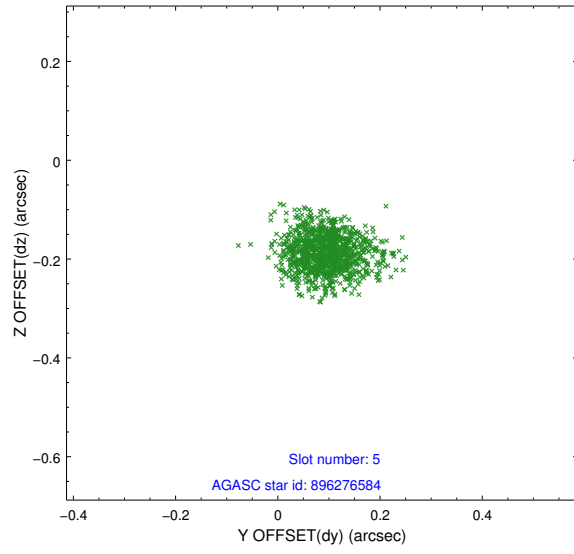
2.4.1 Slot 3



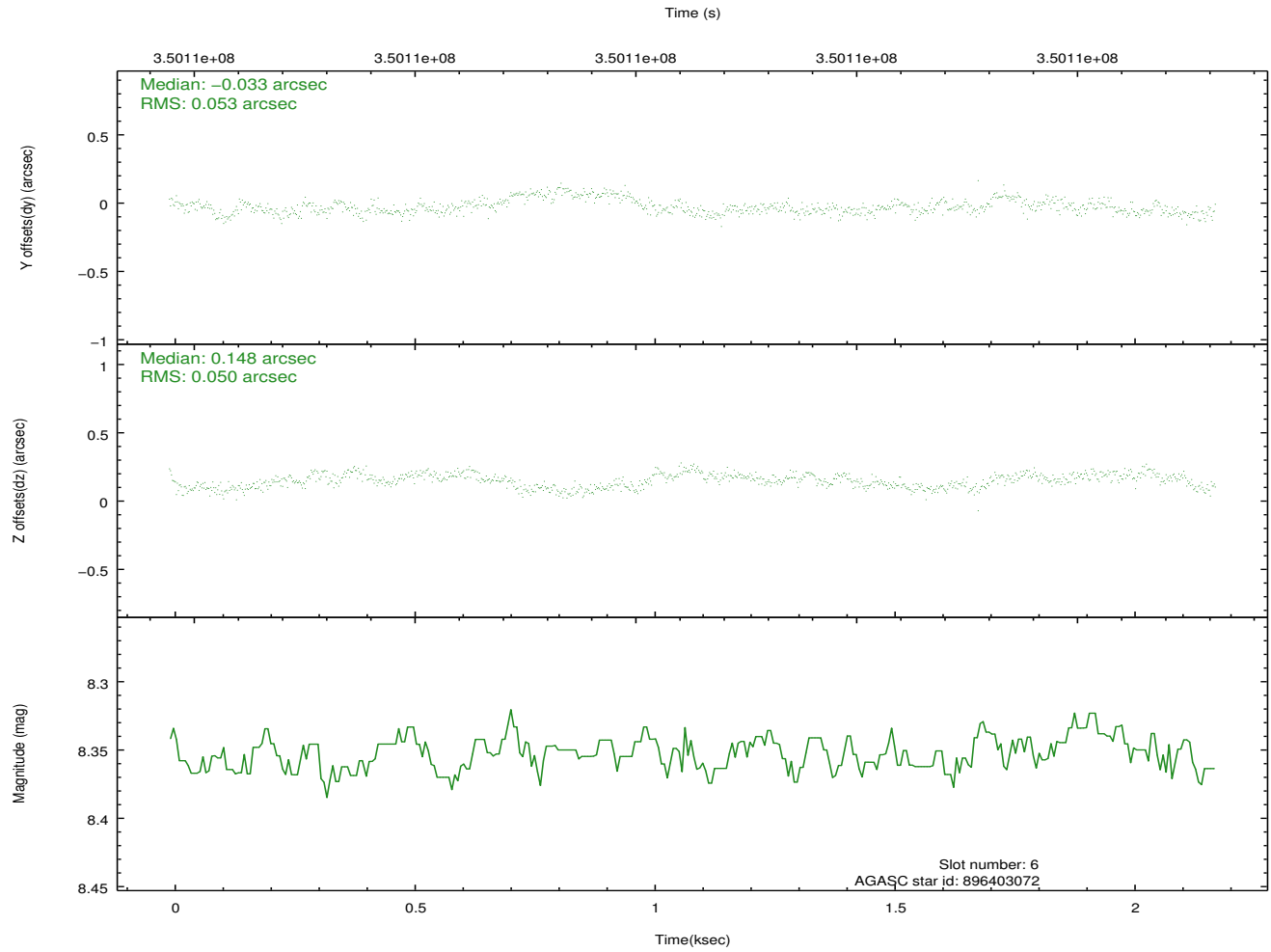
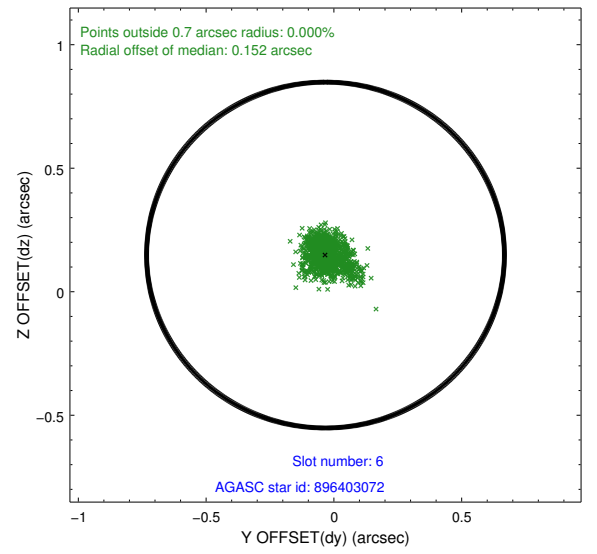
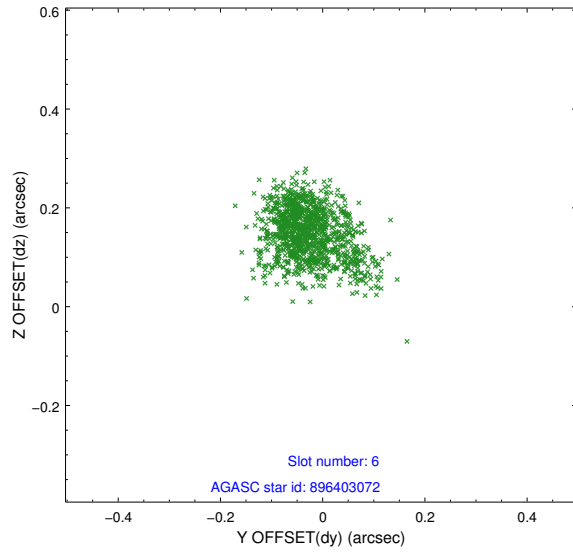
2.4.2 Slot 4



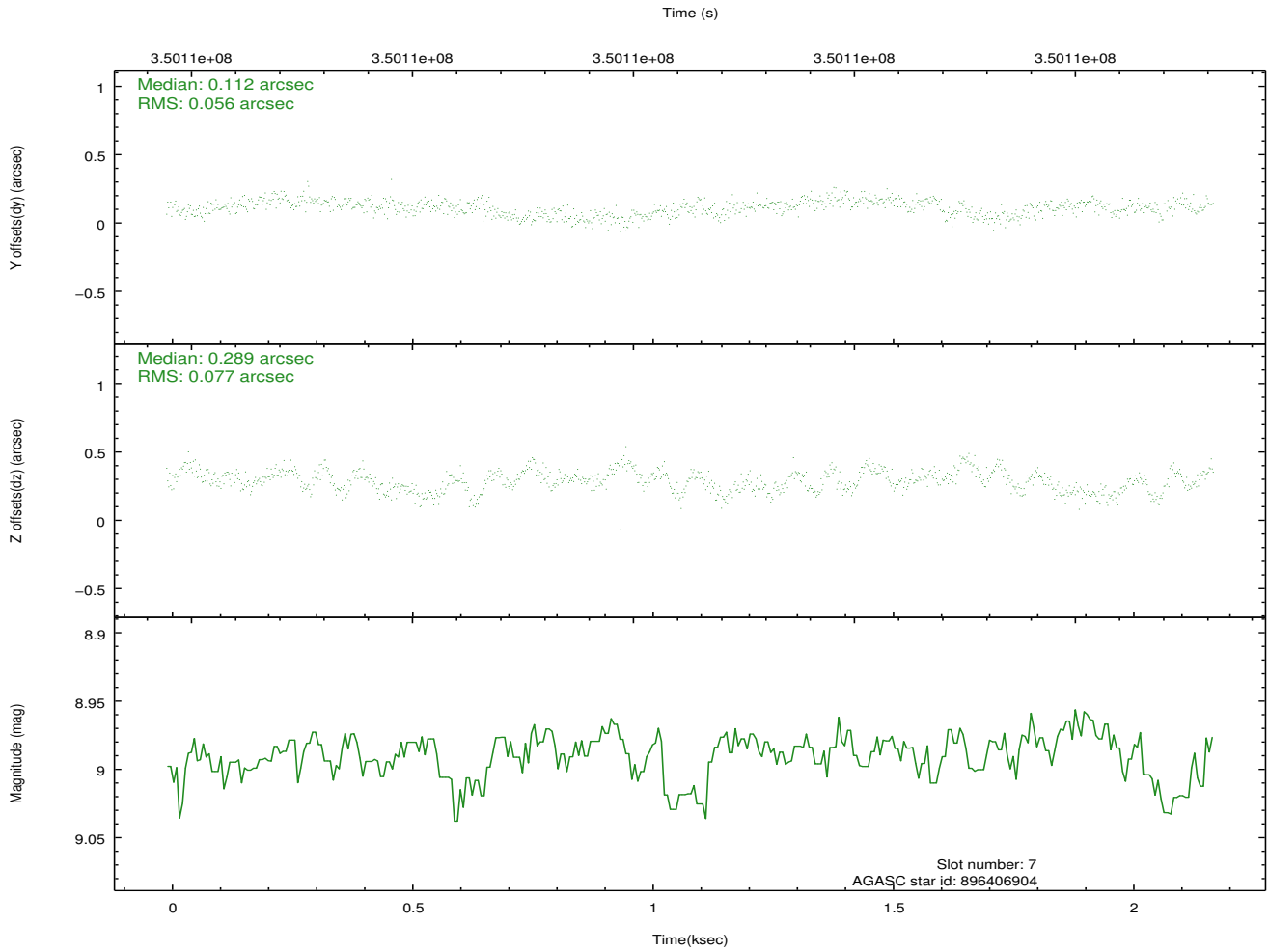
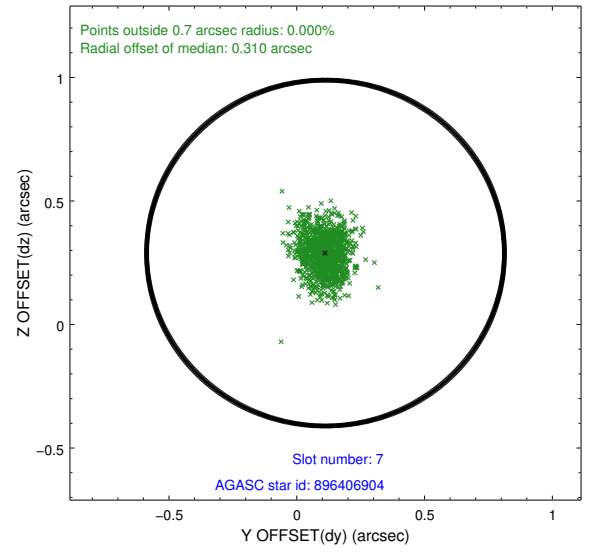
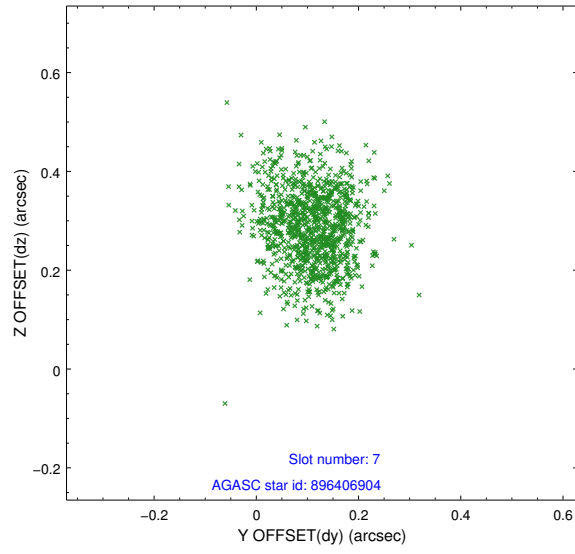
2.4.3 Slot 5



2.4.4 Slot 6

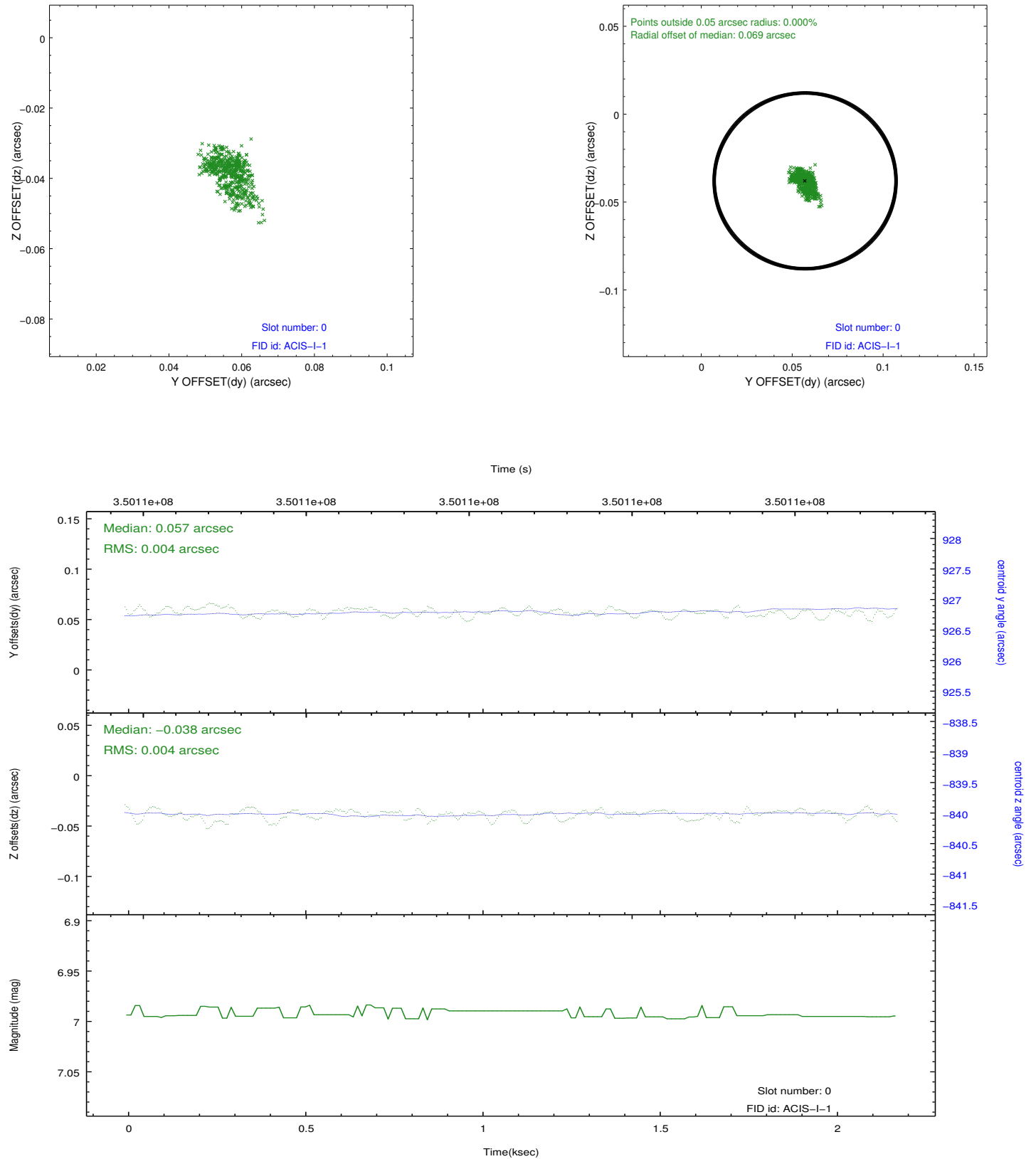


2.4.5 Slot 7

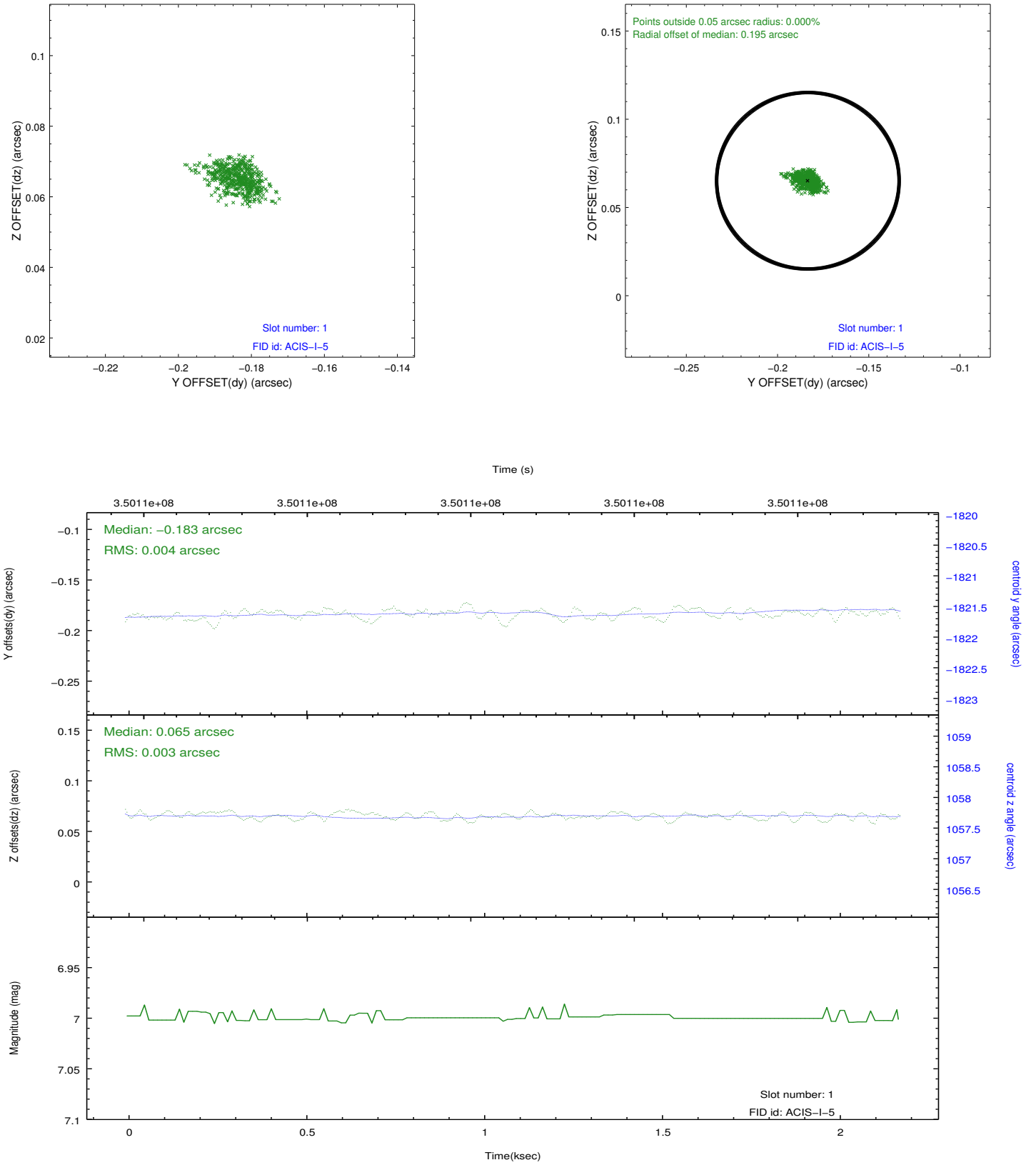


2.5 FID Slots

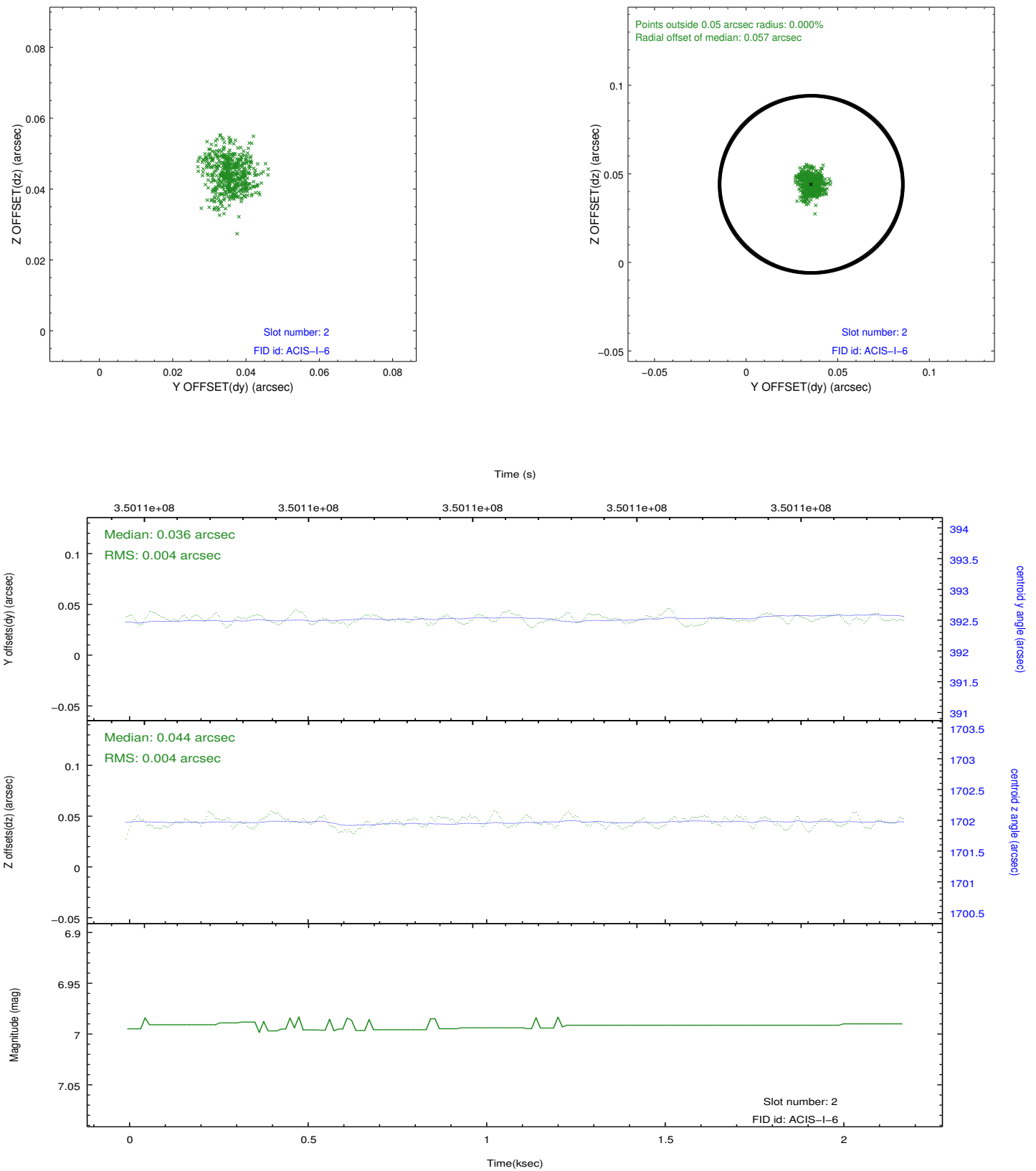
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17620001

A.2 Comments

Joint Proposal:NOAO