

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9981 - L2 Version 2
Chandra X-Ray Center

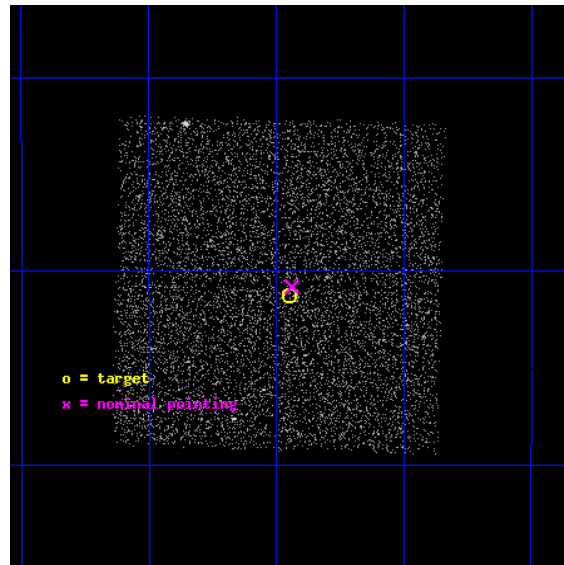
L2 Processing Date : Jun 1 2012

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1 Front

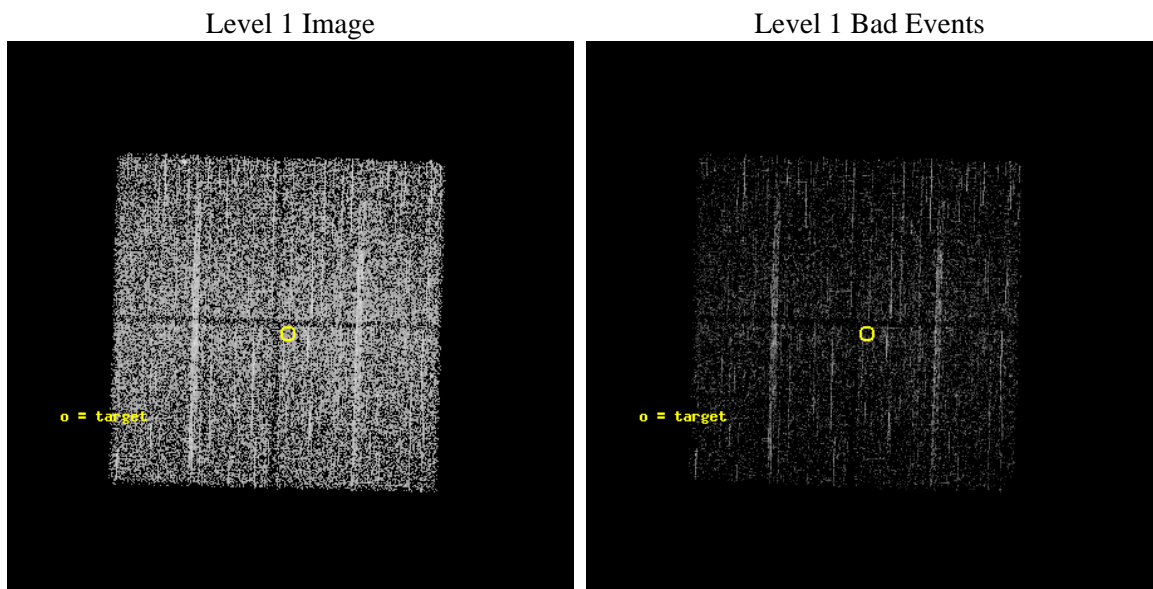
seq_num	400945	Sequence number
obs_id	9981	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.362917	Observer's specified target RA [deg]
dec_targ	-27.187972	Observer's specified target Dec [deg]
ra_nom	265.36002750631	Nominal RA [deg]
dec_nom	-27.180178379968	Nominal Dec [deg]
roll_nom	91.5461103917	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	2179.2590564489	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10569	Number of level 2 events



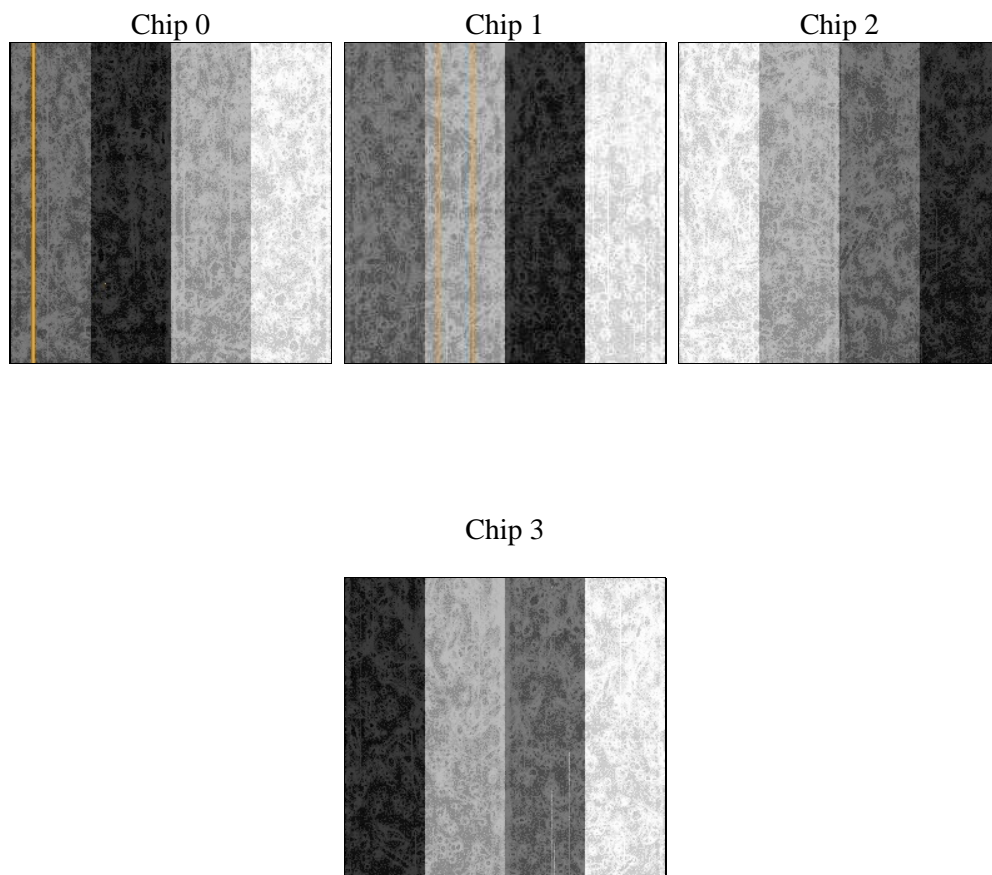
2 OBI

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	2012-06-01T06:02:15	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.2590564489	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	96503	Number of level 1 events

2.1.4 Events

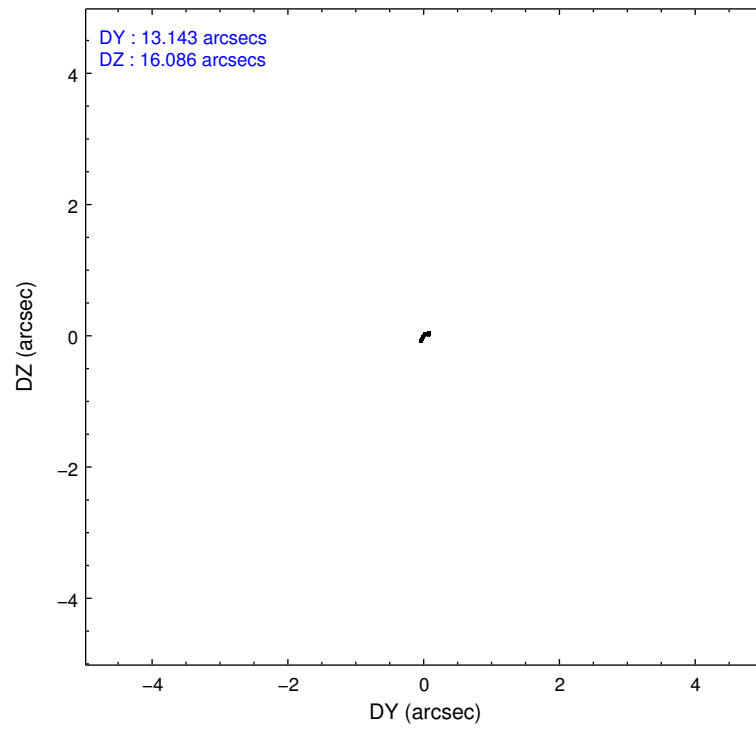
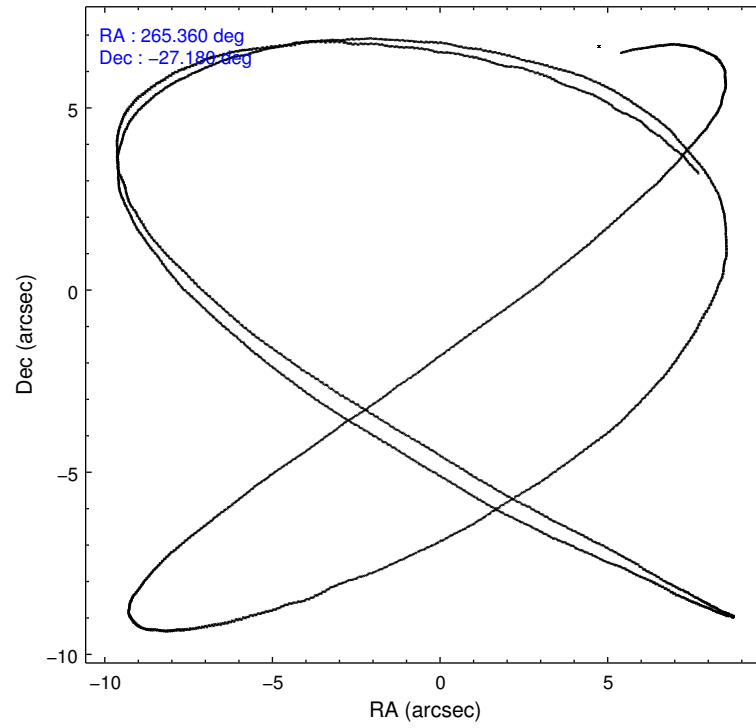
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23375	23333	25800	23995
rejected events	20212	20160	22774	21131
rejected %	86%	86%	88%	88%

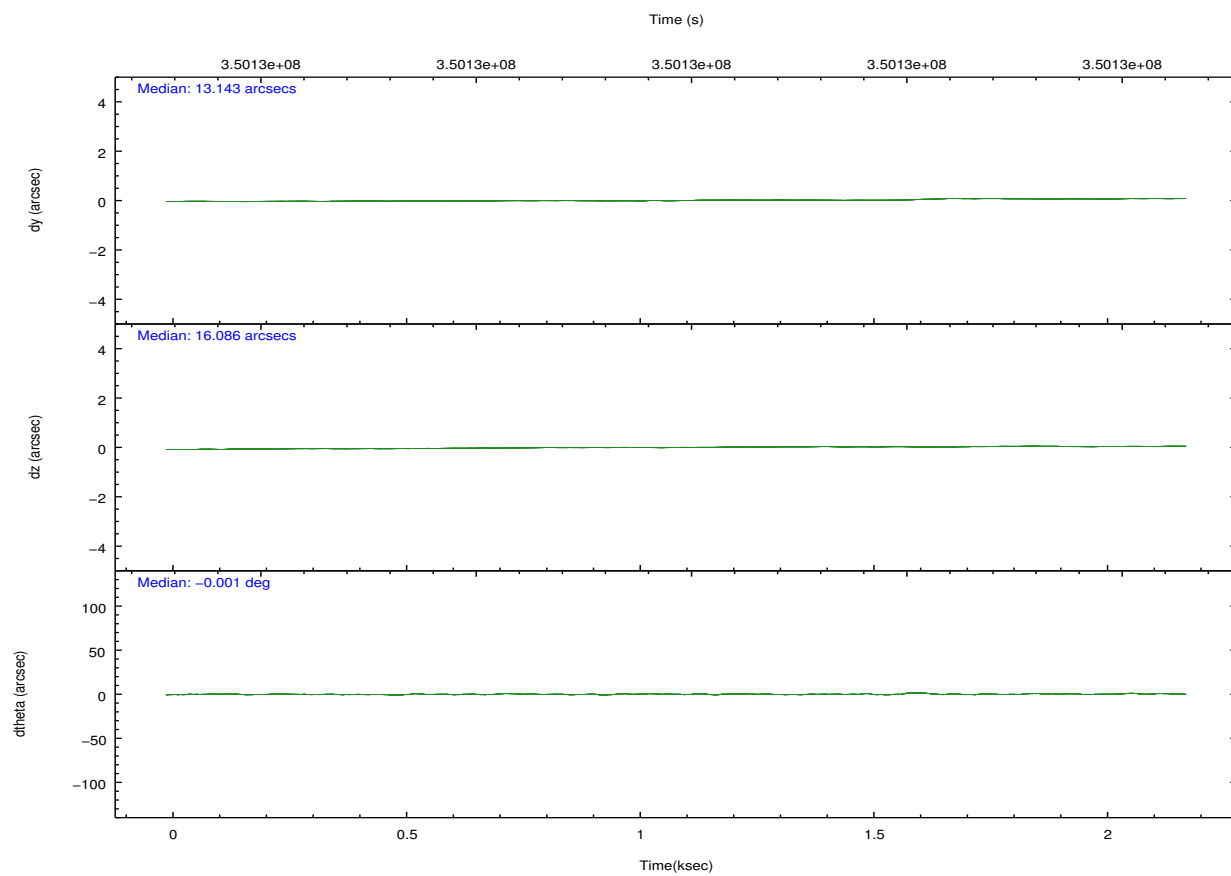
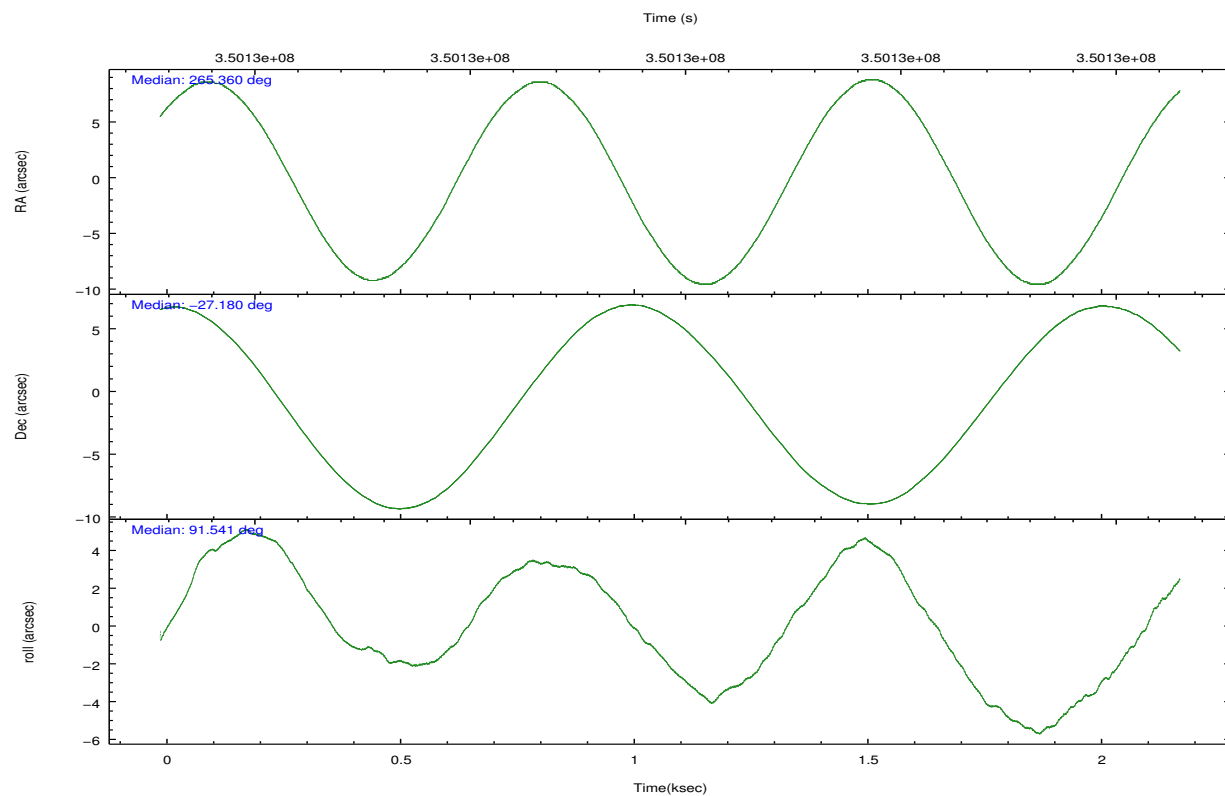
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1669	1582	1660	1499
	7%	6%	6%	6%
grade 1 events	19	15	17	17
	0%	0%	0%	0%
grade 2 events	778	855	686	681
	3%	3%	2%	2%
grade 3 events	319	294	330	234
	1%	1%	1%	0%
grade 4 events	296	330	305	302
	1%	1%	1%	1%
grade 5 events	1064	1115	1082	1128
	4%	4%	4%	4%
grade 6 events	558	611	496	557
	2%	2%	1%	2%
grade 7 events	18672	18531	21224	19577
	79%	79%	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	265.376266	265.3600275063069	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.203693	-27.18017837996809	Alternating exposures requested	N	N
[deg] Pointing Roll	91.344865	91.54611039169959	[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)	350129544.184000	350129167.89489			
Observation start date	2009-02-04T10:11:18	2009-02-04T10:06:07			
[s] Observation end time (MET)	350131544.184000	350131677.60751			
Observation end date	2009-02-04T10:44:38	2009-02-04T10:47:57			
Read mode	TIMED	TIMED			

2.3 Aspect



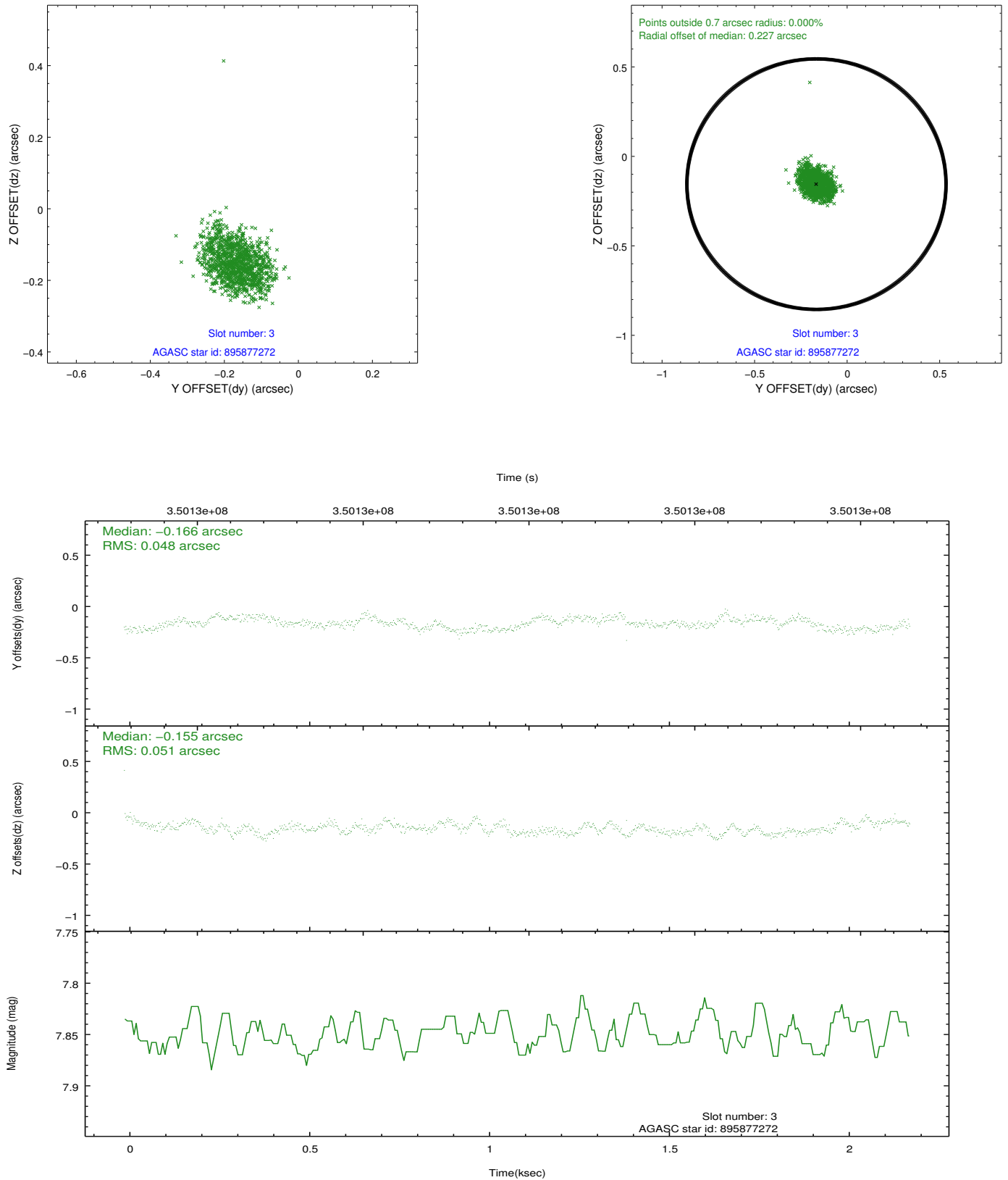


Slot Statistics

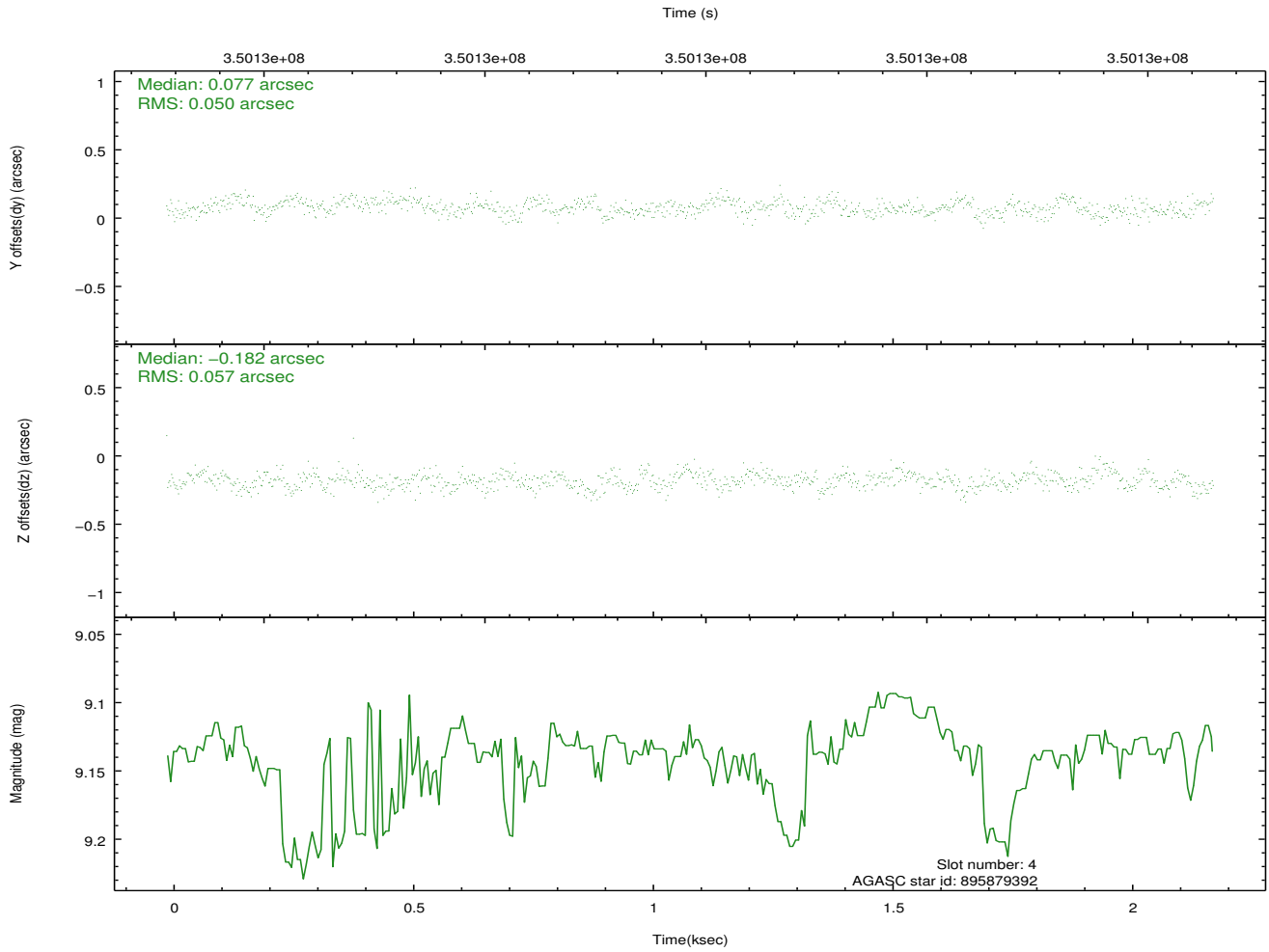
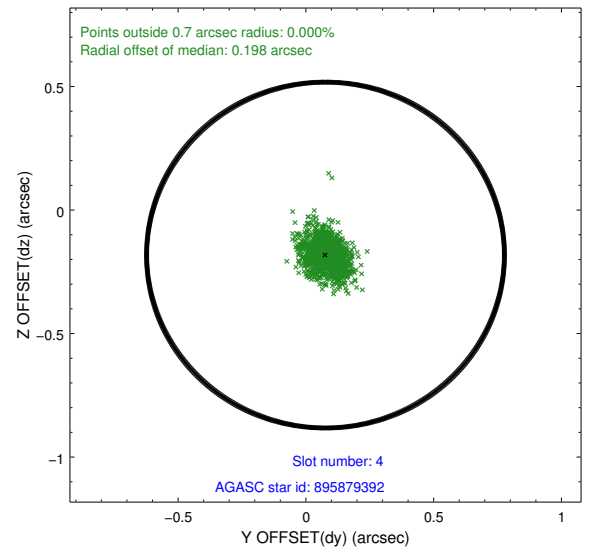
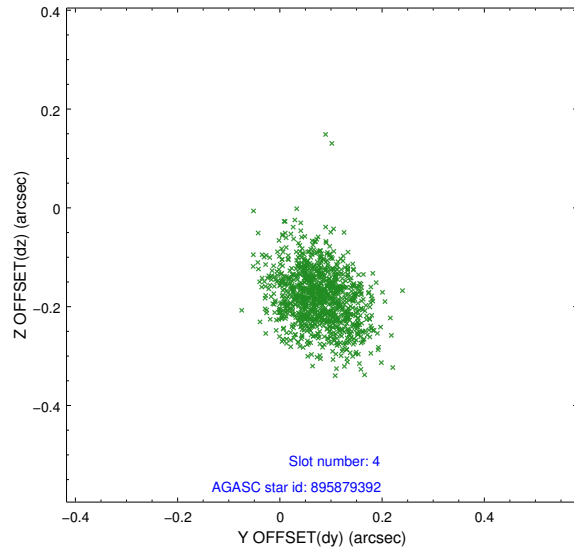
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	533	0.053	-0.033	0.008	0.018	0.000000	0.000000	926.40	-839.75
1	FID	ACIS-I-5	7.01	533	-0.192	0.059	0.008	0.018	0.000000	0.000000	-1820.29	1056.36
2	FID	ACIS-I-6	7.00	533	0.048	0.044	0.008	0.014	0.000000	0.000000	388.72	1704.21
3	GUIDE	895877272	7.85	1066	-0.166	-0.155	0.074	0.113	264.774842	-26.937569	997.19	1907.57
4	GUIDE	895879392	9.14	1063	0.077	-0.182	0.080	0.129	264.792874	-27.441876	-817.30	1885.36
5	GUIDE	895879840	7.20	1065	0.003	-0.085	0.063	0.089	265.218397	-27.395778	-681.00	522.73
6	GUIDE	896015344	9.12	1066	-0.165	0.177	0.102	0.157	265.913290	-26.611586	2085.89	-1776.95
7	GUIDE	895879608	8.95	1064	0.250	0.239	0.074	0.114	265.708239	-27.843915	-2328.36	-1003.81

2.4 Star Slots

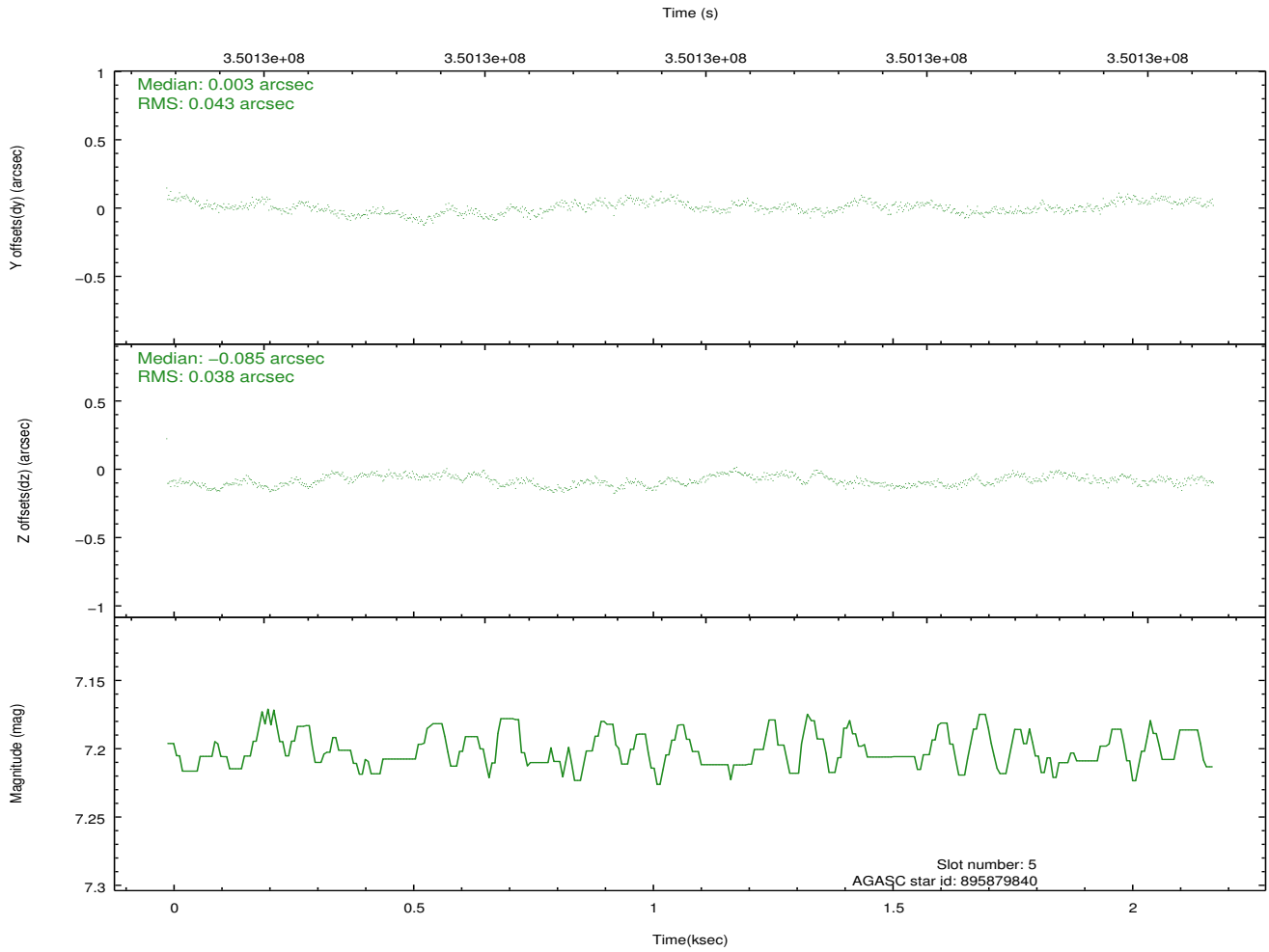
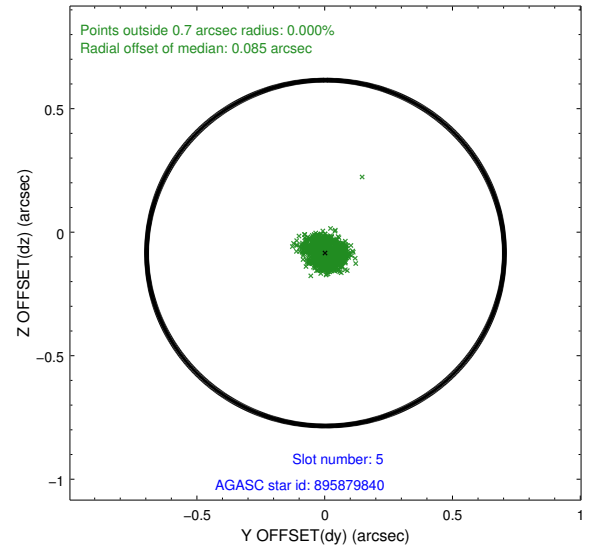
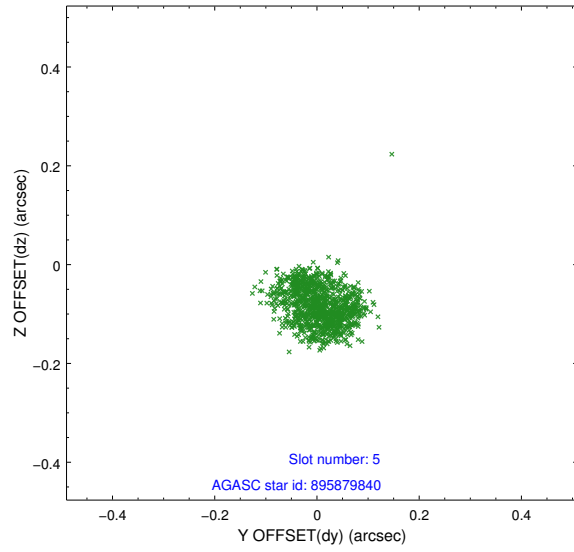
2.4.1 Slot 3



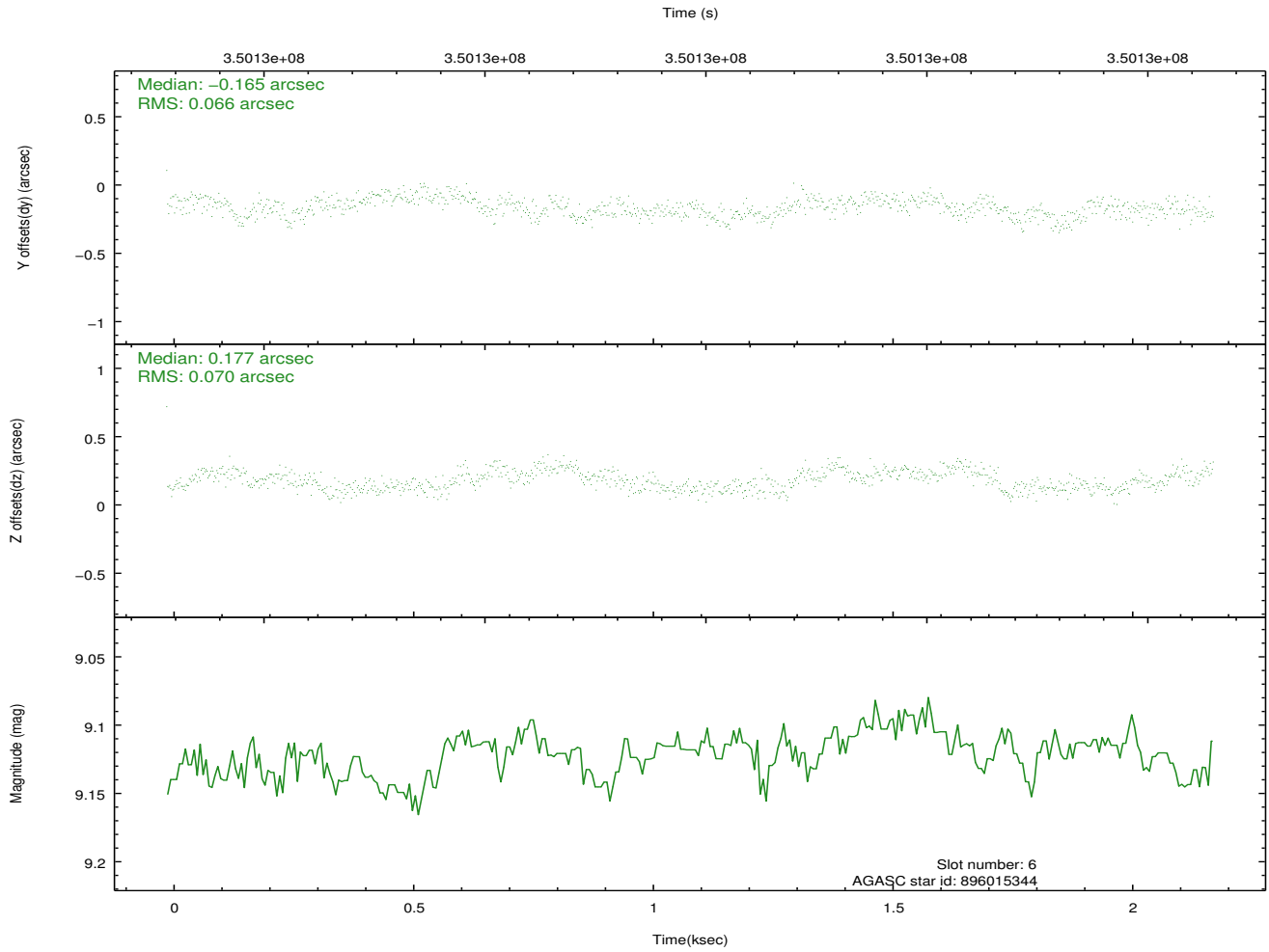
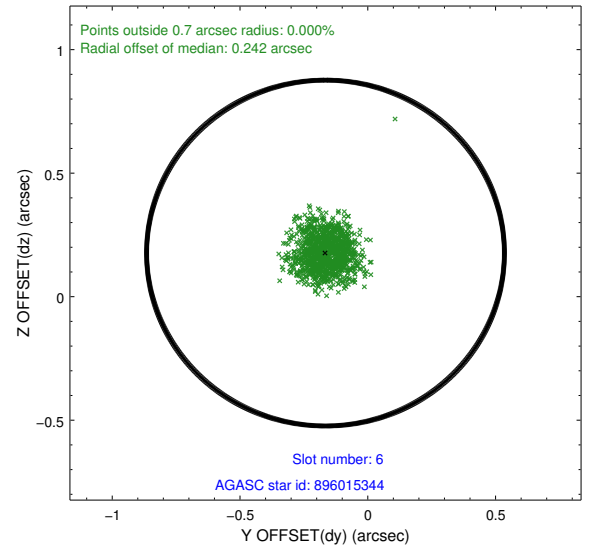
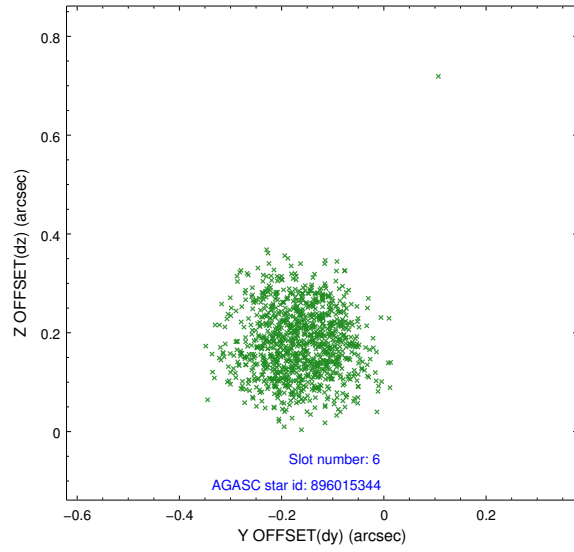
2.4.2 Slot 4



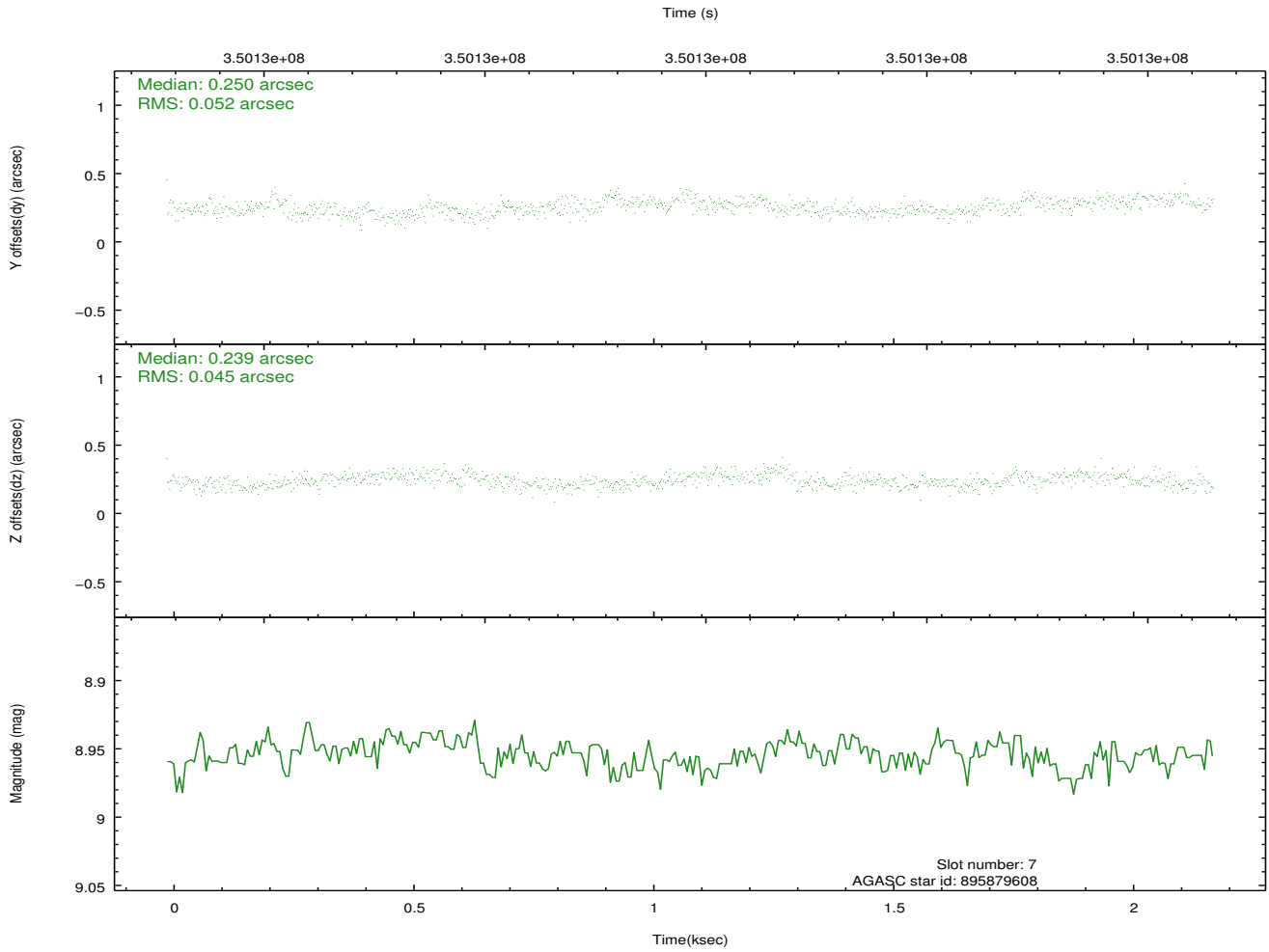
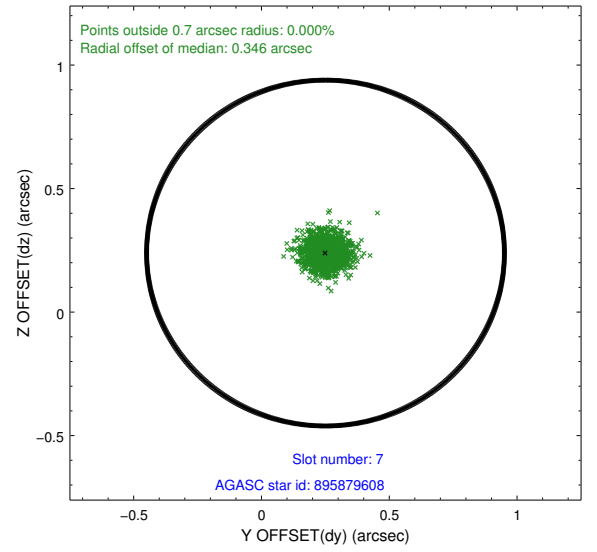
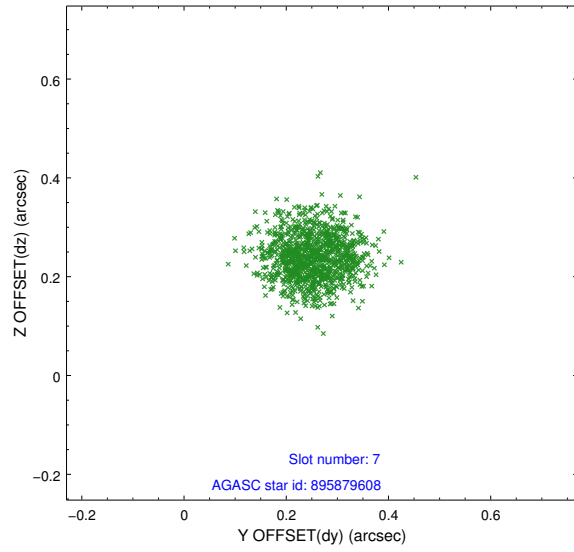
2.4.3 Slot 5



2.4.4 Slot 6

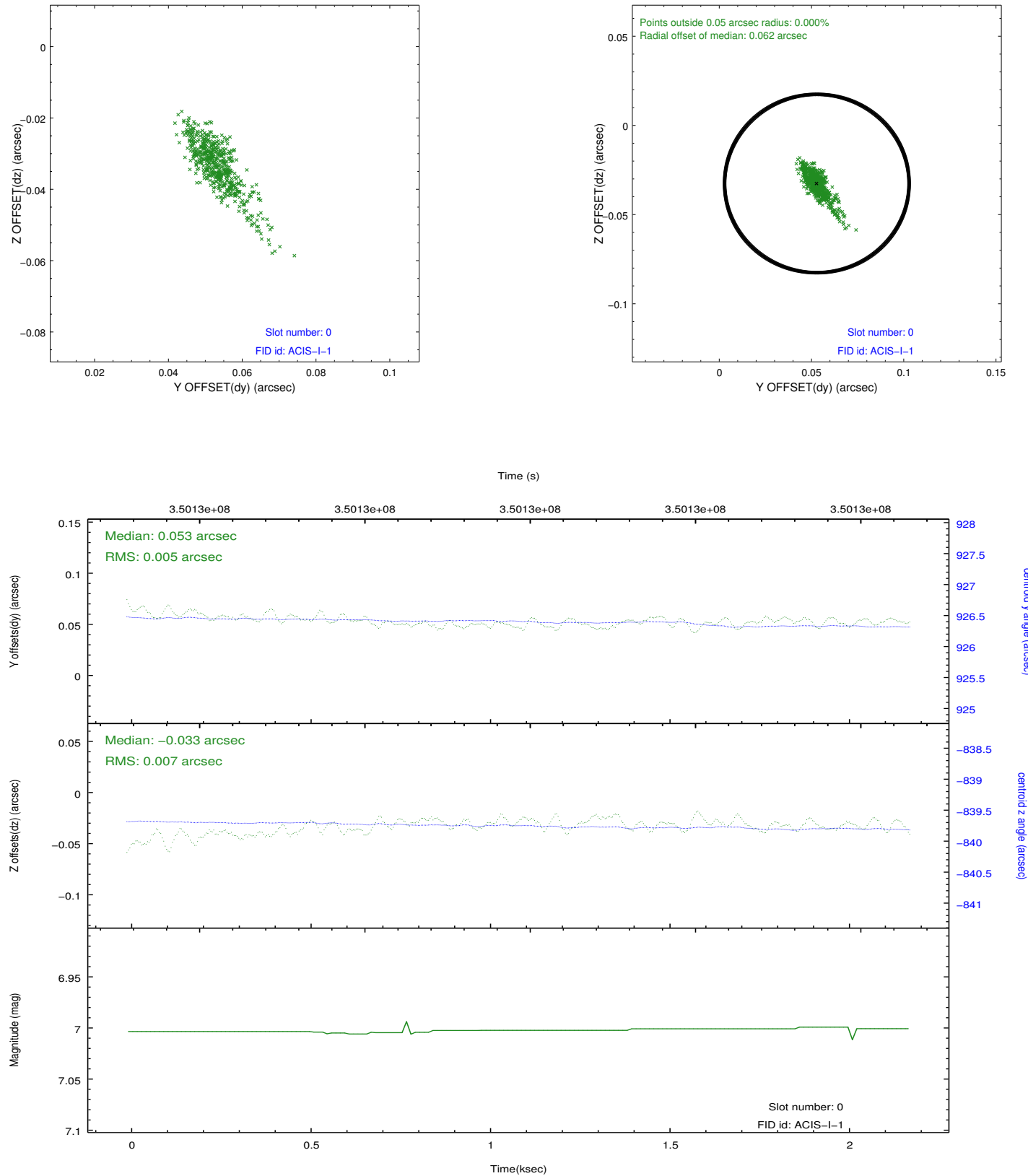


2.4.5 Slot 7

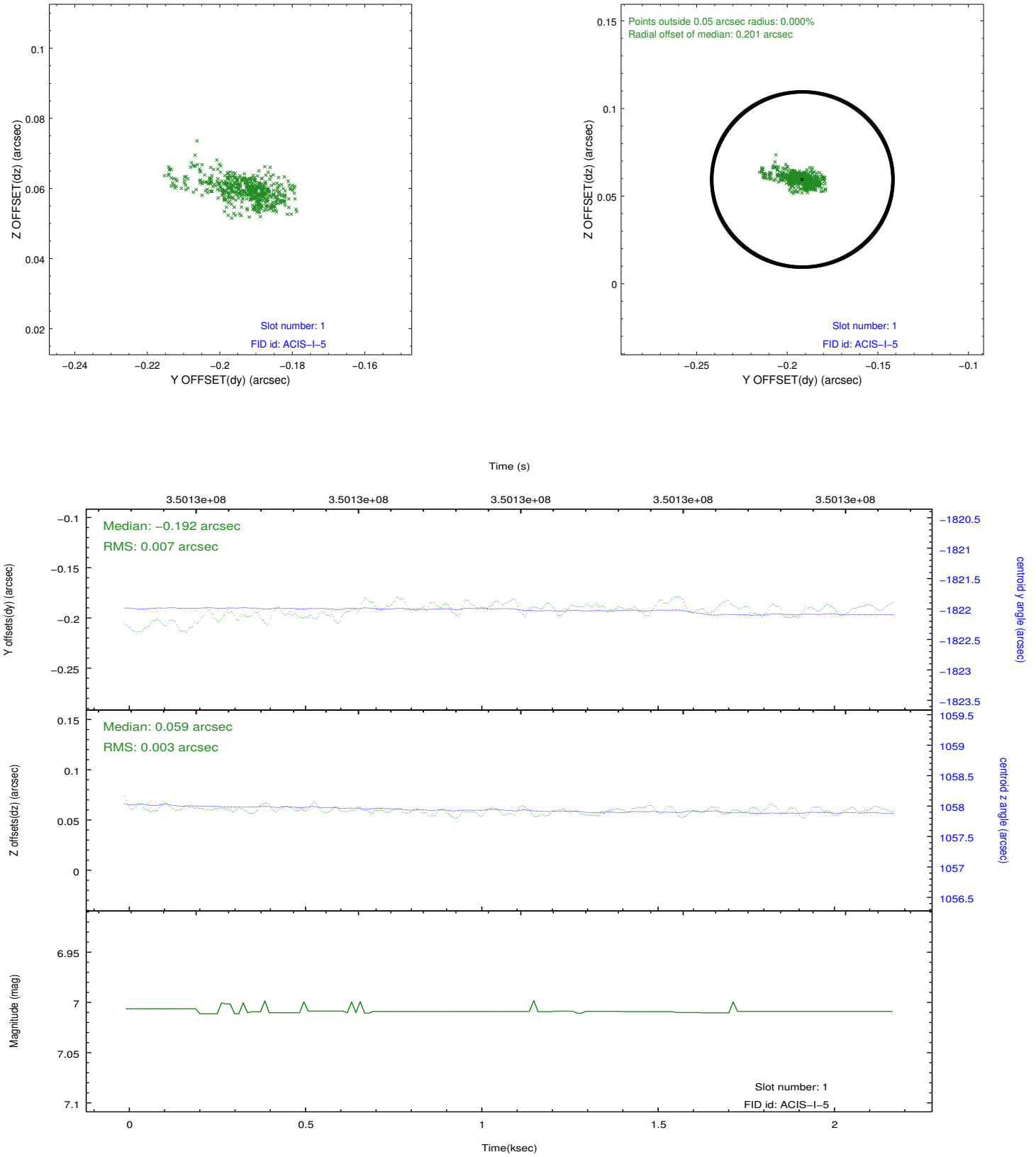


2.5 FID Slots

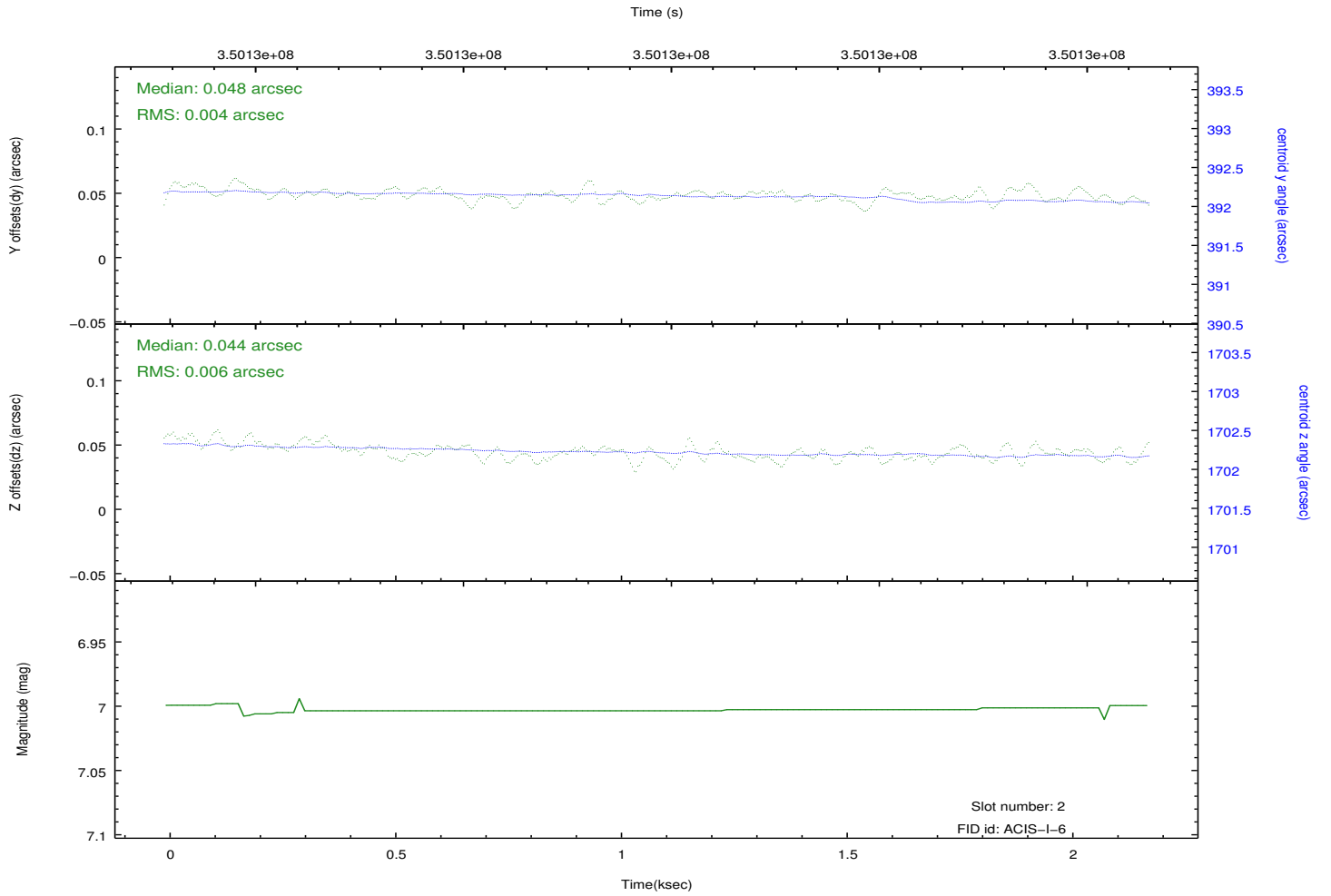
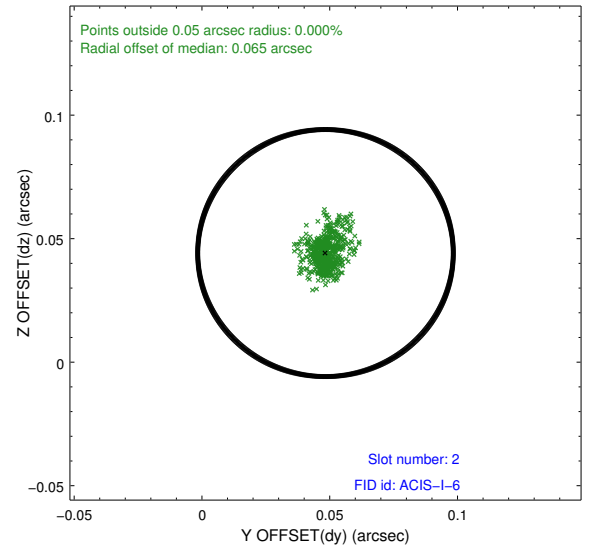
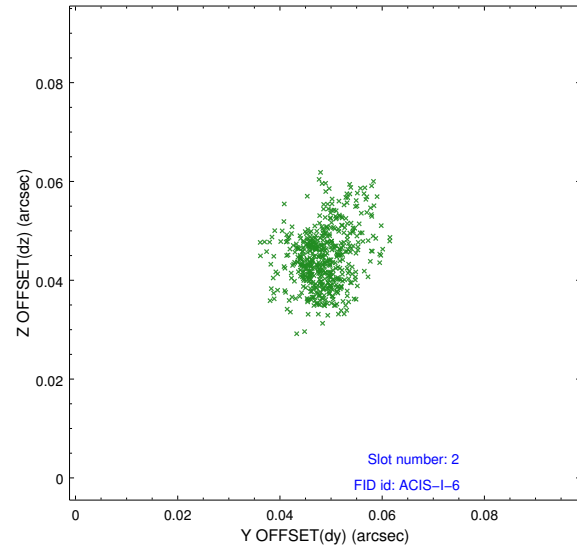
2.5.1 Slot 0



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