

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10013 - L2 Version 2
Chandra X-Ray Center

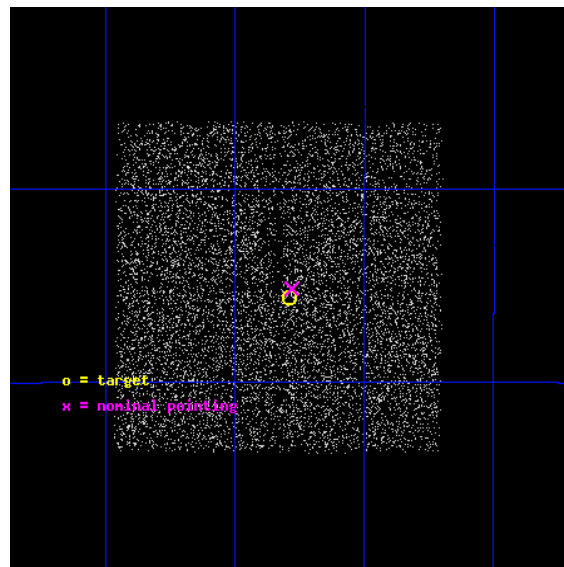
L2 Processing Date : Jun 1 2012

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1 Front

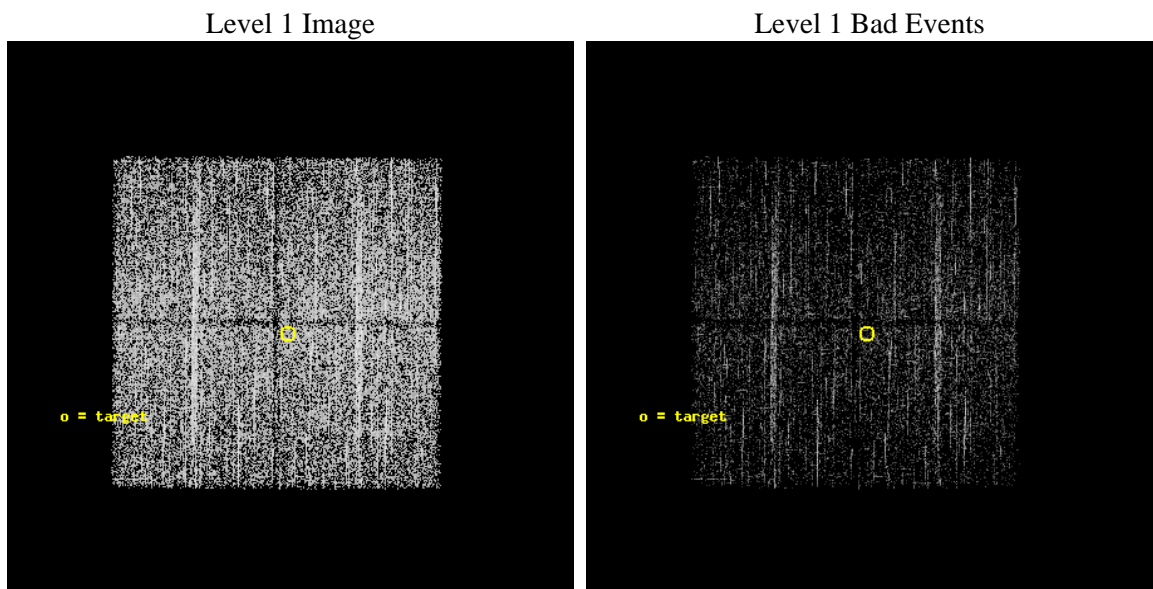
seq_num	400977	Sequence number
obs_id	10013	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.198042	Observer's specified target RA [deg]
dec_targ	-25.593889	Observer's specified target Dec [deg]
ra_nom	266.19535566372	Nominal RA [deg]
dec_nom	-25.586028834848	Nominal Dec [deg]
roll_nom	90.345486462785	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
l2events	10396	Number of level 2 events



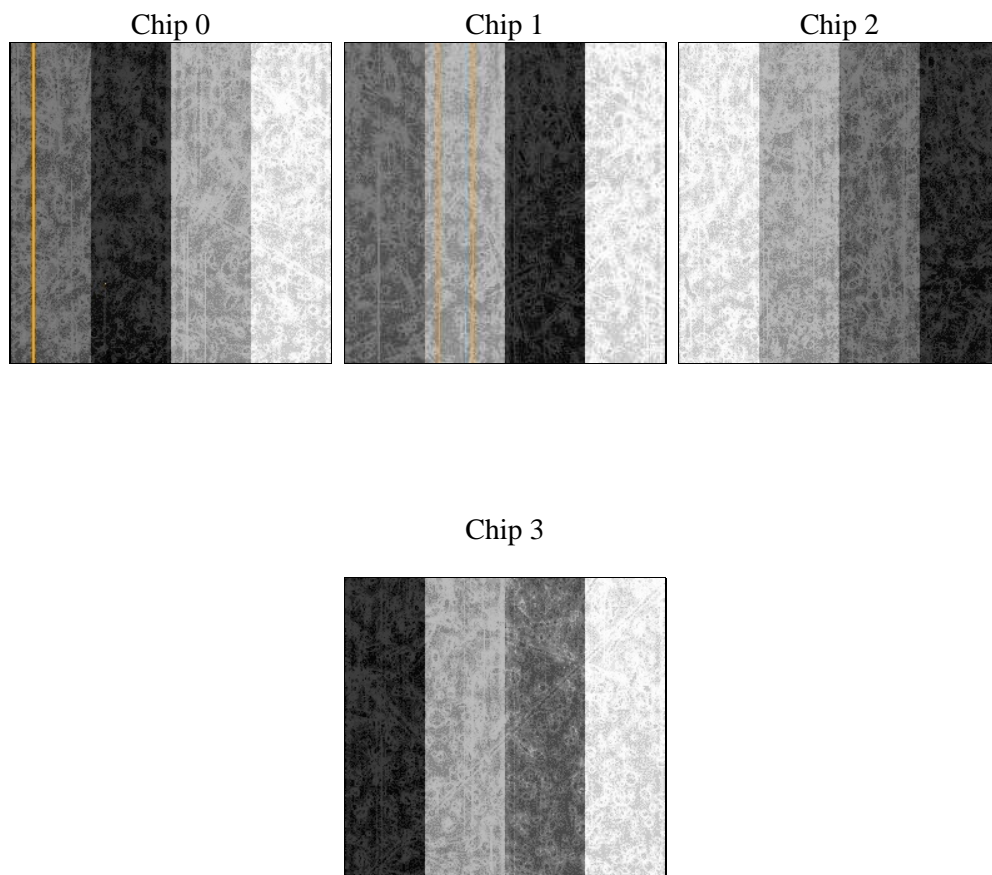
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-06-01T08:02:41	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			l1events	102471	Number of level 1 events

2.1.4 Events

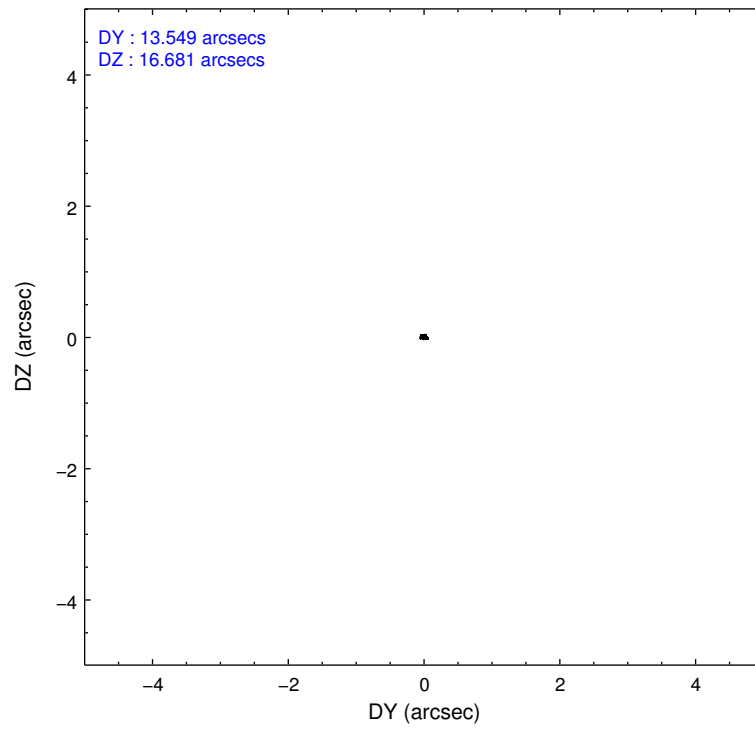
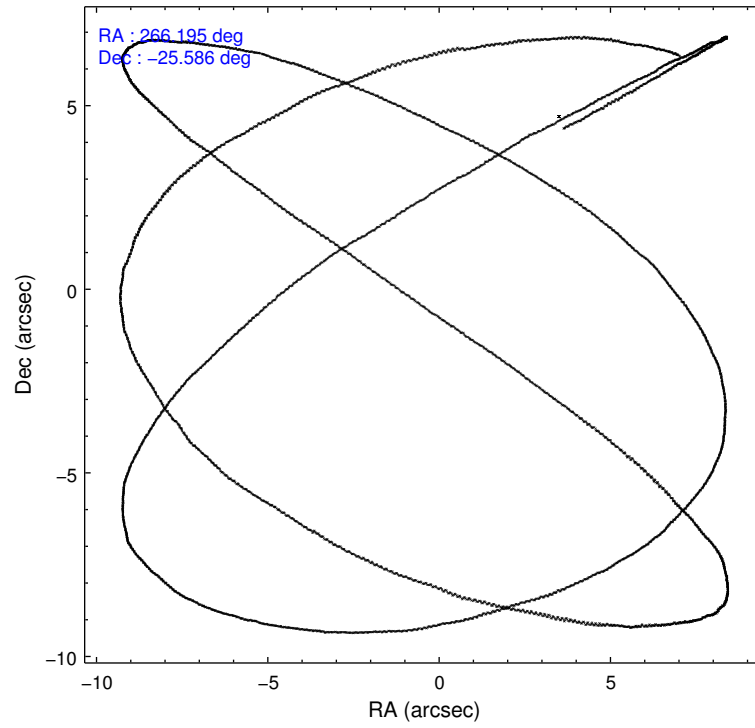
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24272	25192	27065	25942
rejected events	21235	22043	24162	23017
rejected %	87%	87%	89%	88%

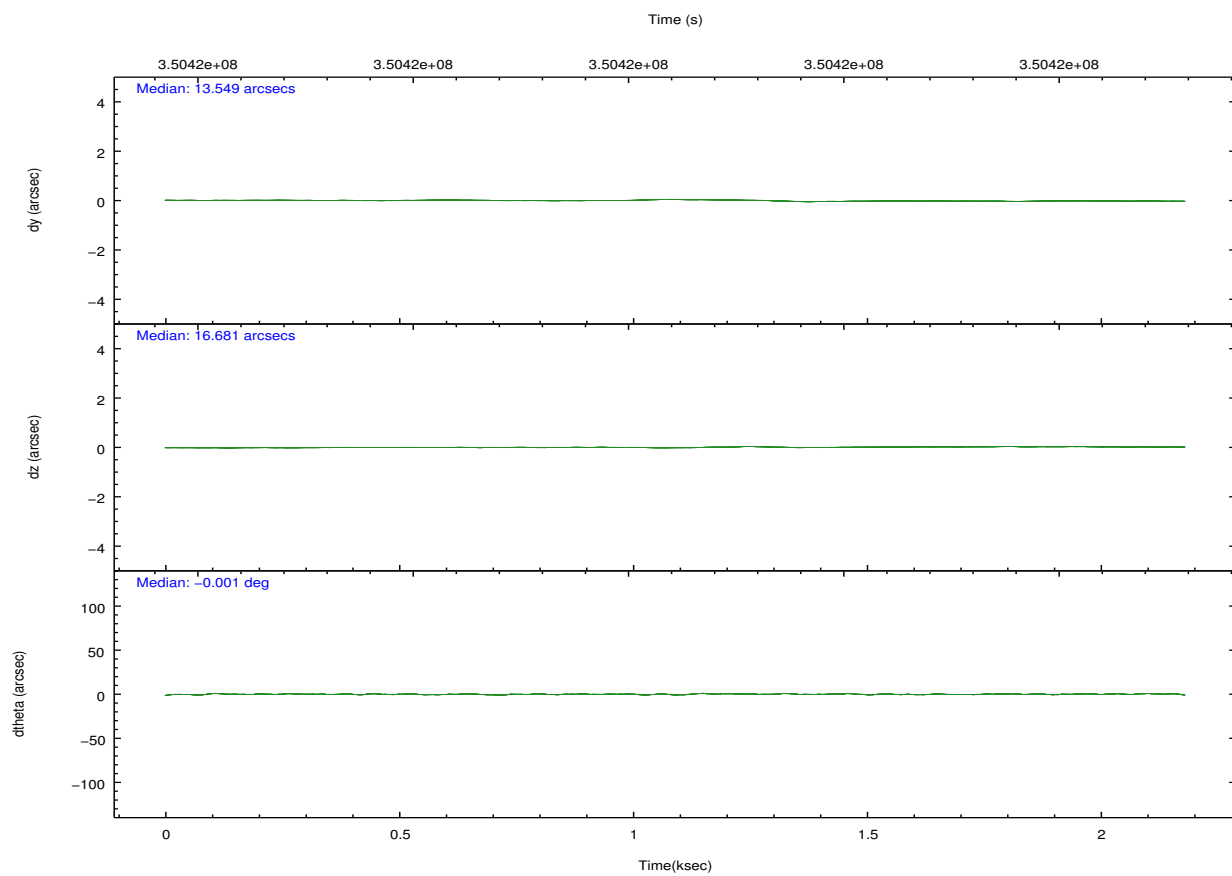
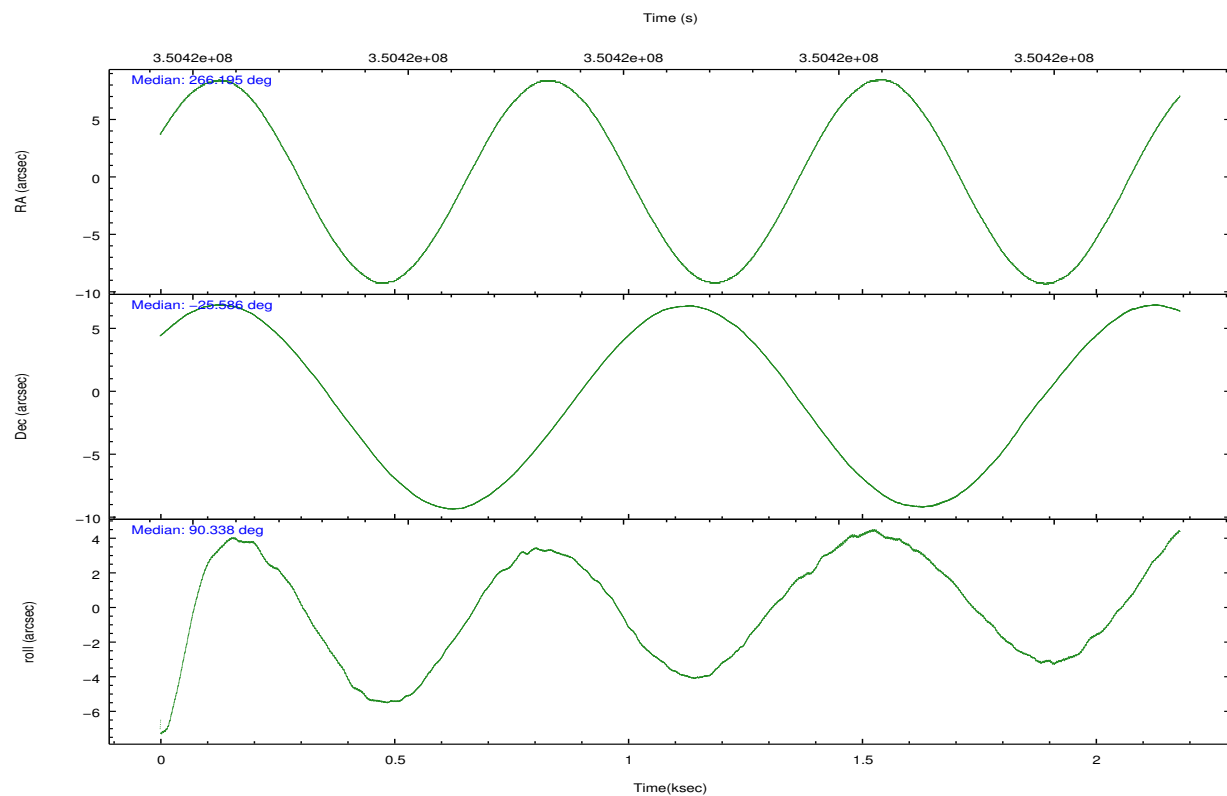
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1524	1552	1585	1517
	6%	6%	5%	5%
grade 1 events	16	17	22	21
	0%	0%	0%	0%
grade 2 events	800	853	672	672
	3%	3%	2%	2%
grade 3 events	309	308	299	302
	1%	1%	1%	1%
grade 4 events	252	283	257	305
	1%	1%	0%	1%
grade 5 events	1091	1210	1093	1225
	4%	4%	4%	4%
grade 6 events	587	638	542	615
	2%	2%	2%	2%
grade 7 events	19693	20331	22595	21285
	81%	80%	83%	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	266.210838	266.1953556637208	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.609853	-25.58602883484772	Alternating exposures requested	N	N
[deg] Pointing Roll	90.143522	90.34548646278486	[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)	350419698.184000	350419322.34678			
Observation start date	2009-02-07T18:47:12	2009-02-07T18:42:02			
[s] Observation end time (MET)	350421698.184000	350421832.57191			
Observation end date	2009-02-07T19:20:32	2009-02-07T19:23:52			
Read mode	TIMED	TIMED			

2.3 Aspect



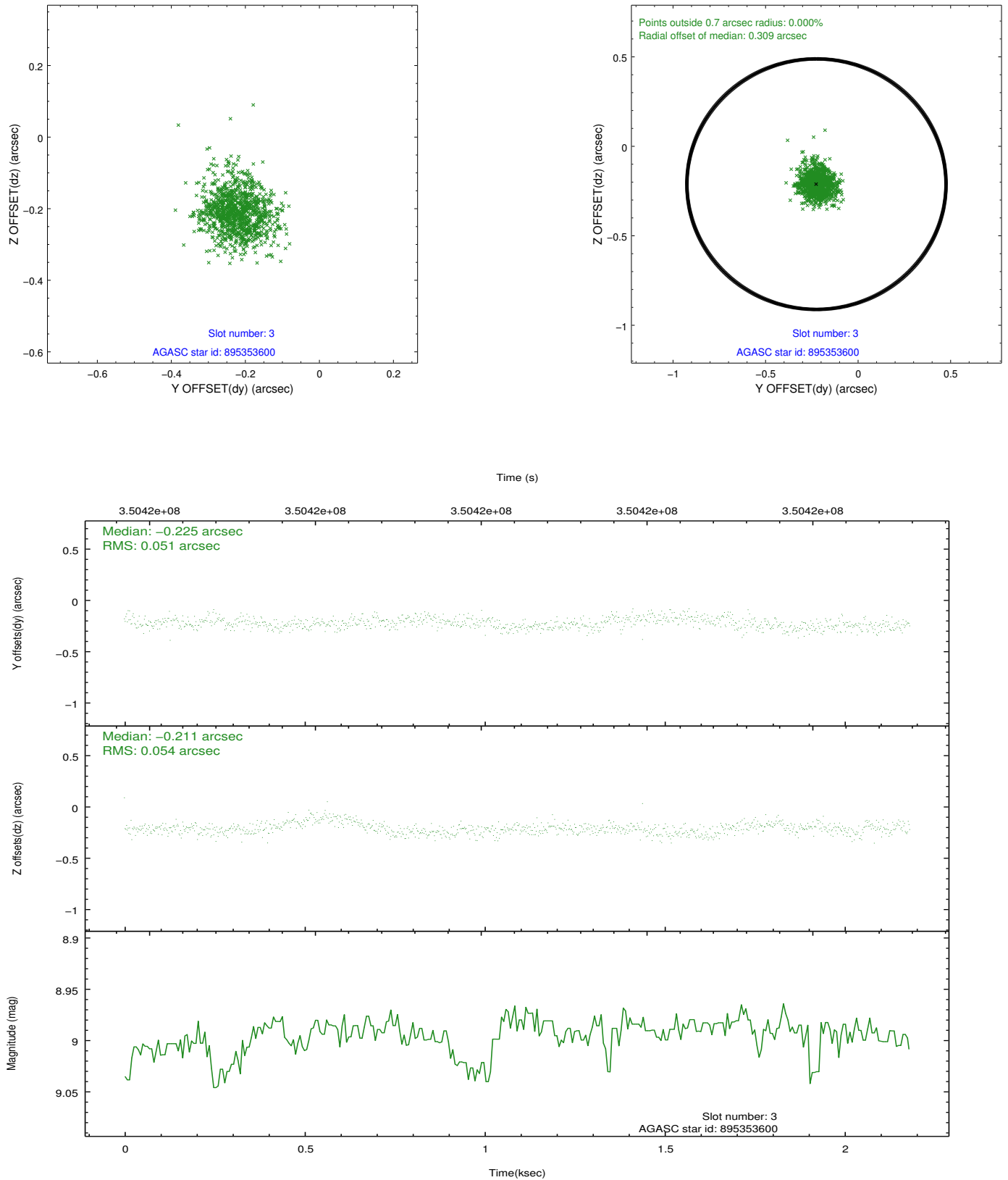


Slot Statistics

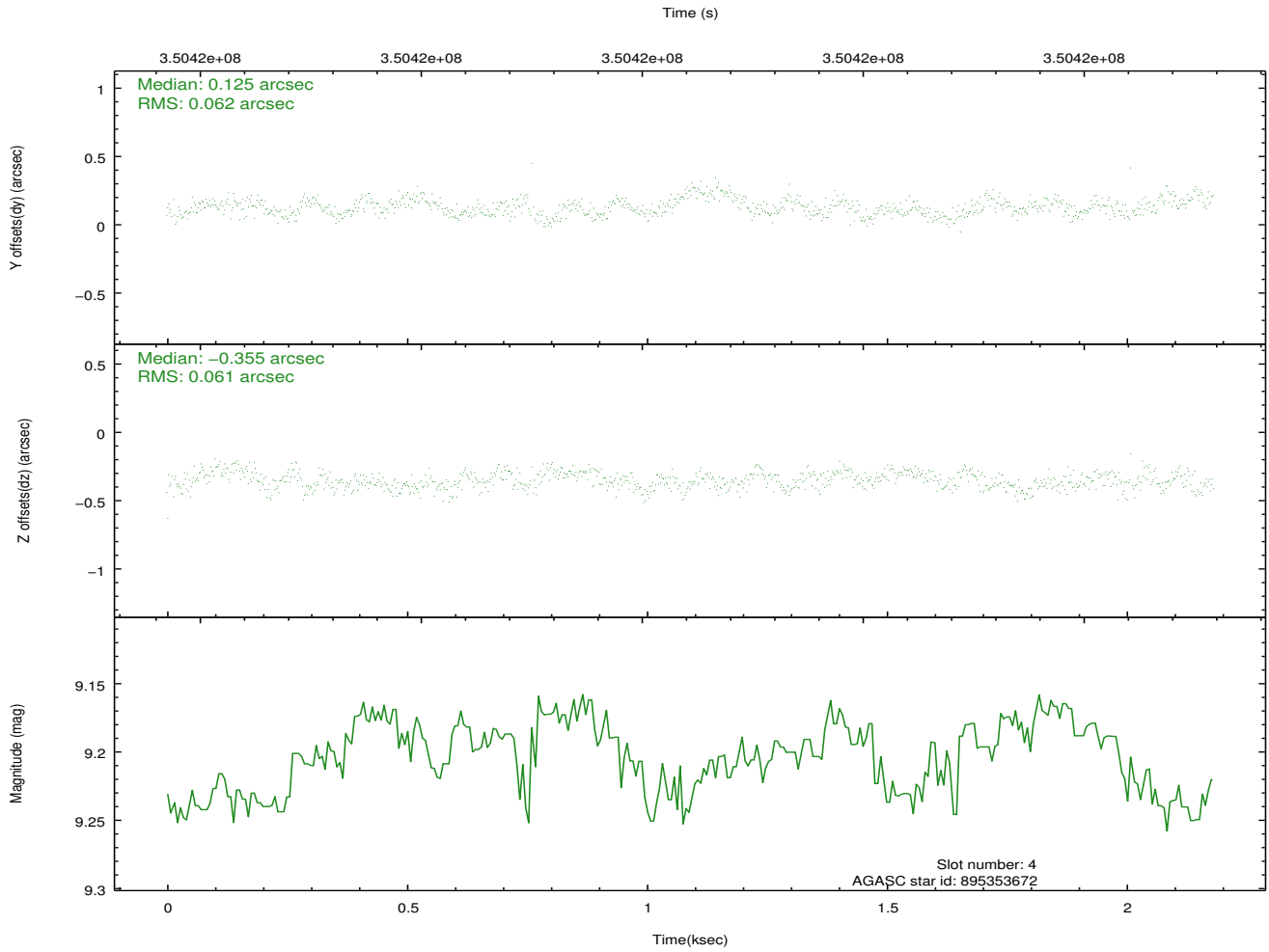
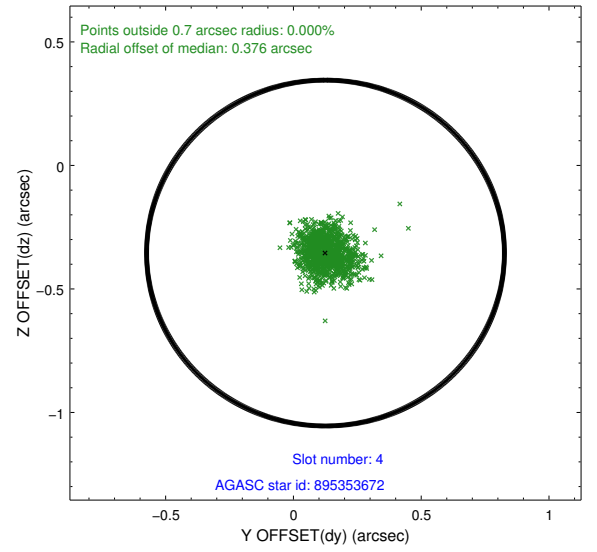
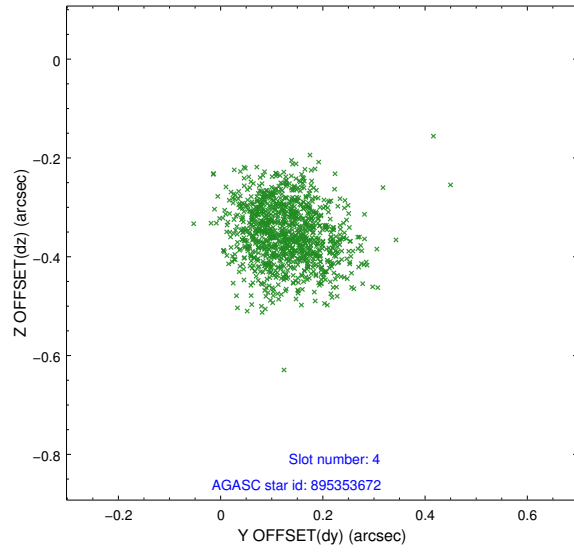
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	532	0.060	-0.024	0.005	0.009	0.000000	0.000000	925.99	-840.37
1	FID	ACIS-I-5	7.02	532	-0.193	0.069	0.006	0.010	0.000000	0.000000	-1820.68	1055.76
2	FID	ACIS-I-6	7.02	532	0.042	0.026	0.006	0.010	0.000000	0.000000	388.32	1703.57
3	GUIDE	895353600	8.99	1064	-0.225	-0.211	0.078	0.128	265.621435	-24.997417	2204.55	1917.97
4	GUIDE	895353672	9.20	1060	0.125	-0.355	0.092	0.146	265.503544	-25.854566	-880.12	2295.23
5	GUIDE	895485920	8.66	1065	-0.085	0.222	0.083	0.137	266.932426	-25.188840	1502.50	-2351.73
6	GUIDE	895489704	8.78	1065	0.026	0.137	0.062	0.103	266.328076	-25.361339	893.99	-385.51
7	GUIDE	895489896	7.58	1064	0.144	0.203	0.048	0.080	266.605795	-26.200300	-2129.94	-1270.72

2.4 Star Slots

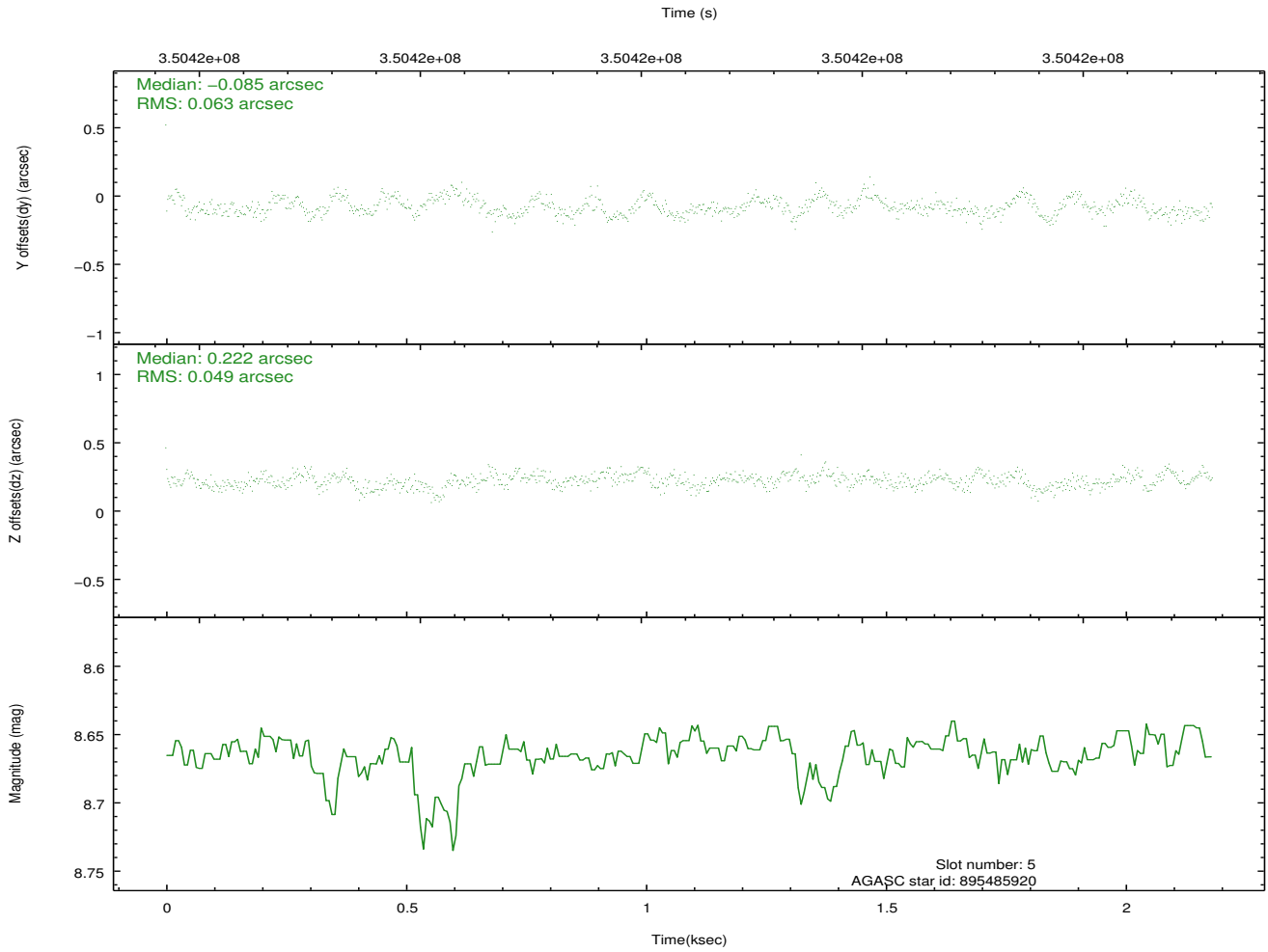
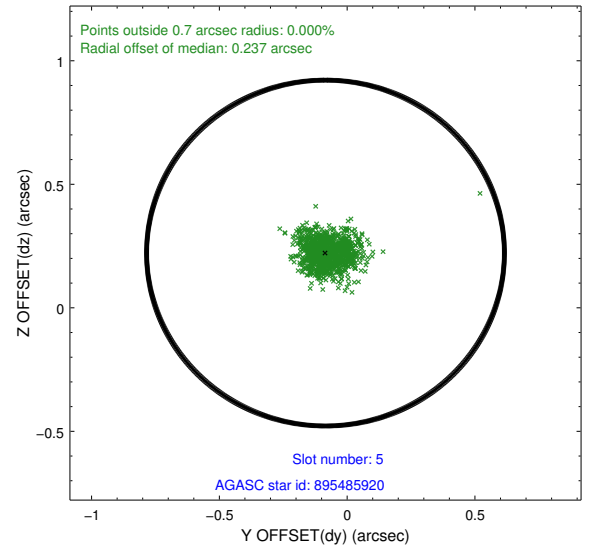
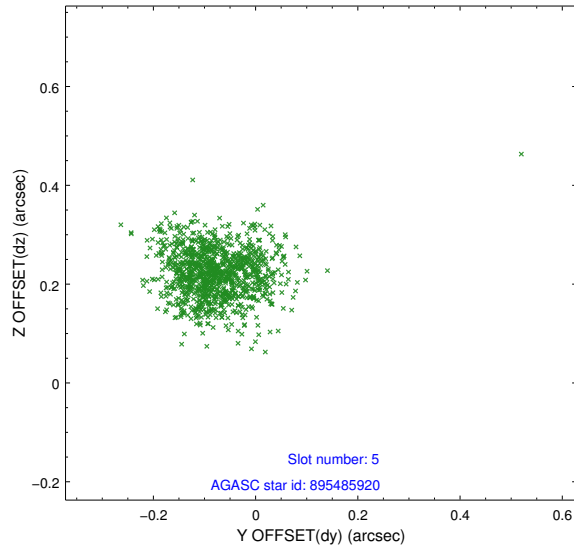
2.4.1 Slot 3



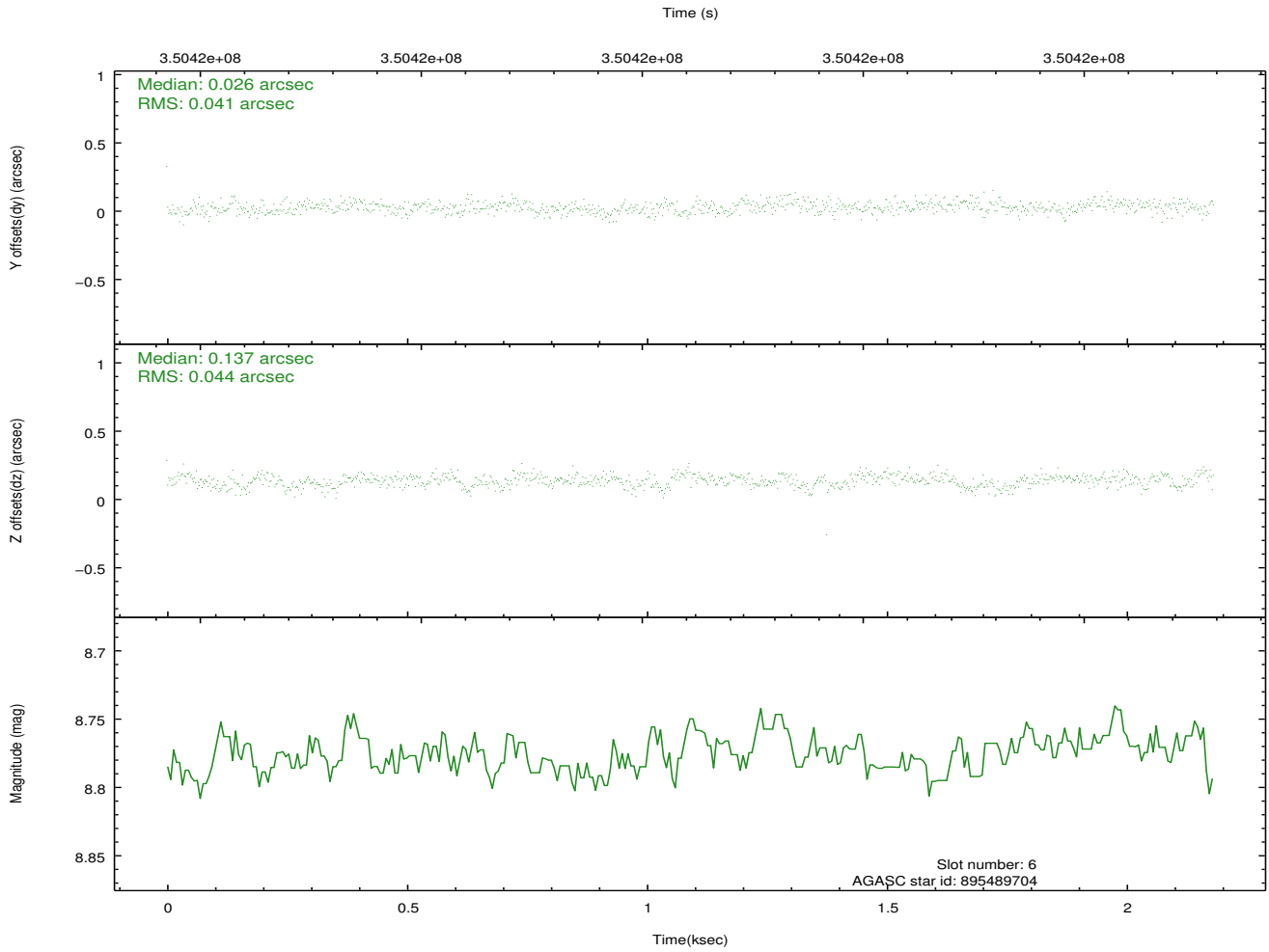
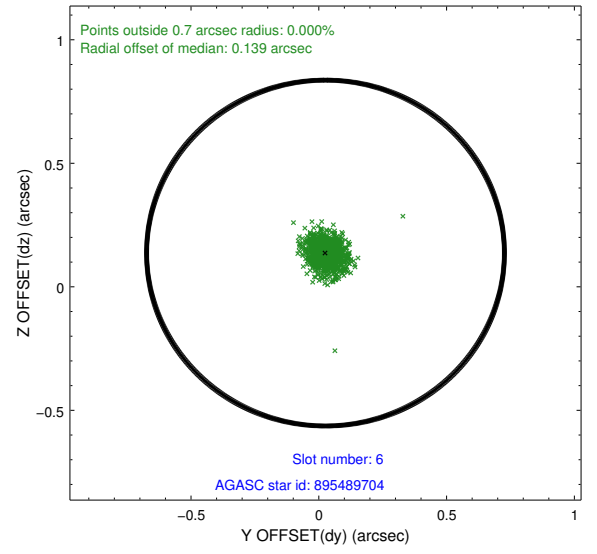
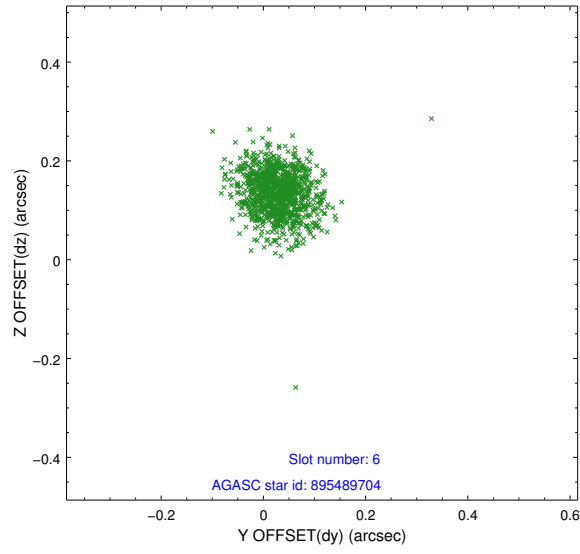
2.4.2 Slot 4



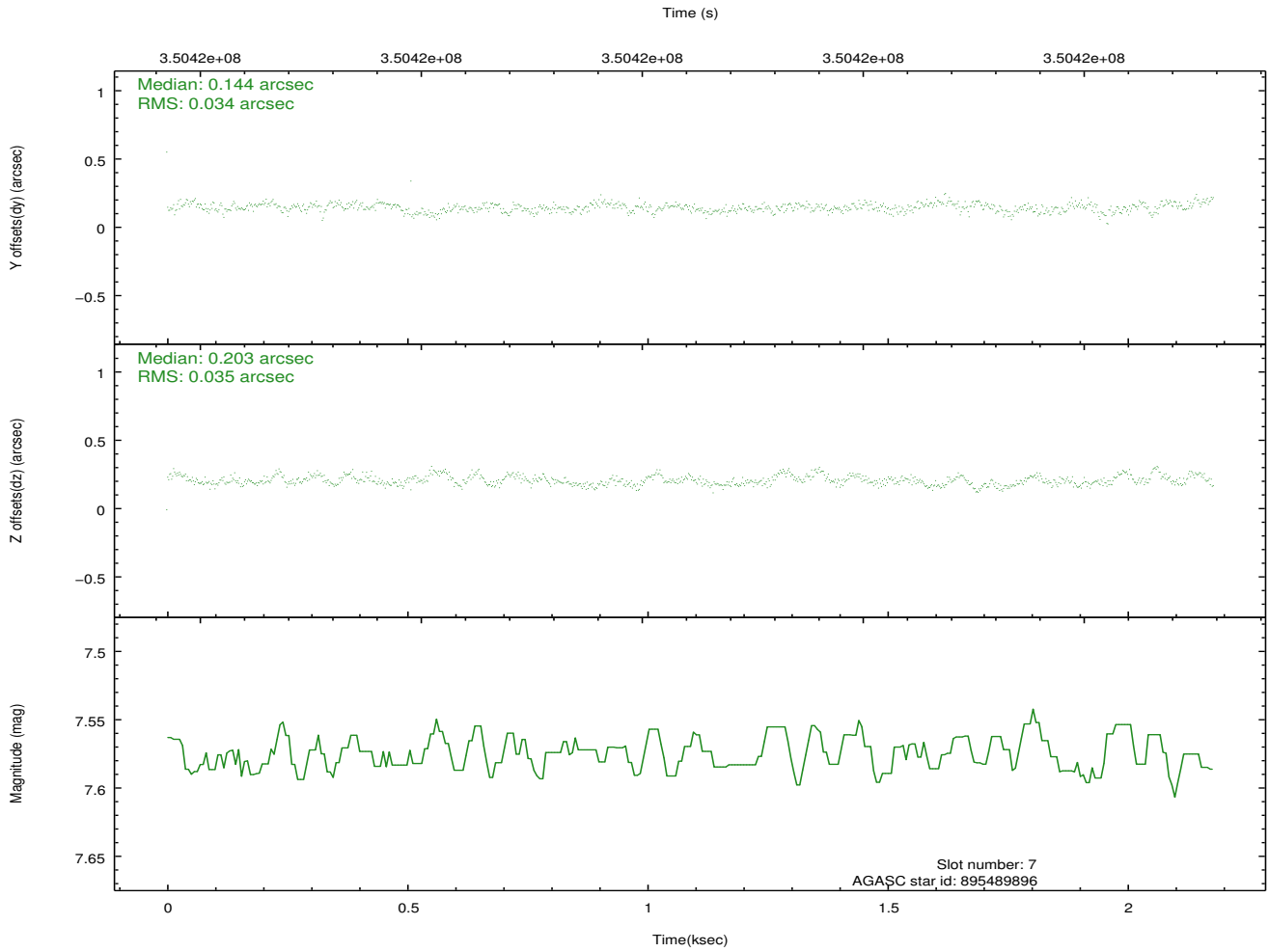
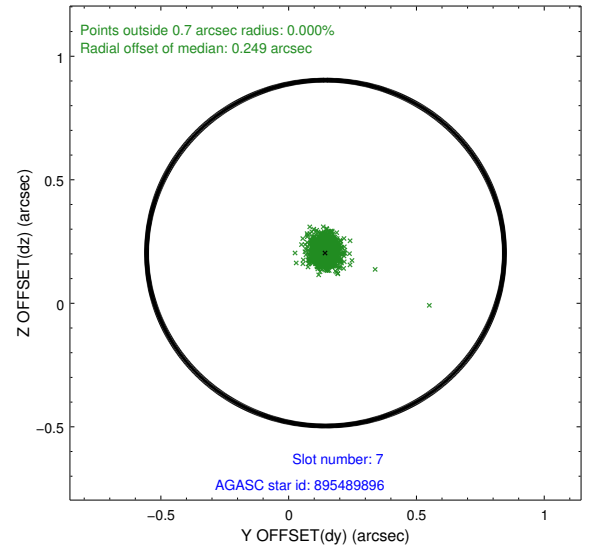
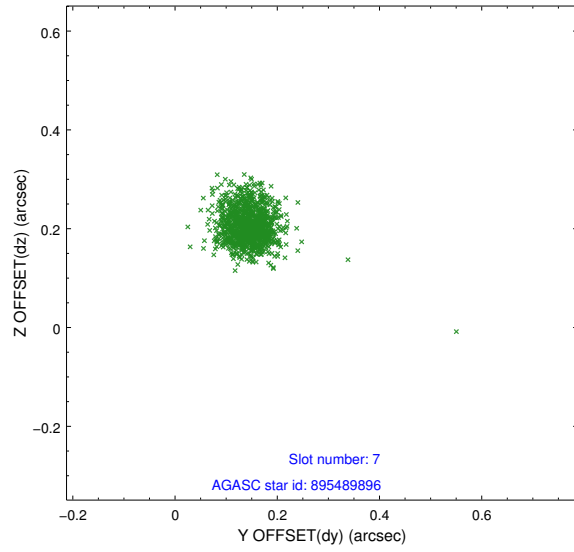
2.4.3 Slot 5



2.4.4 Slot 6

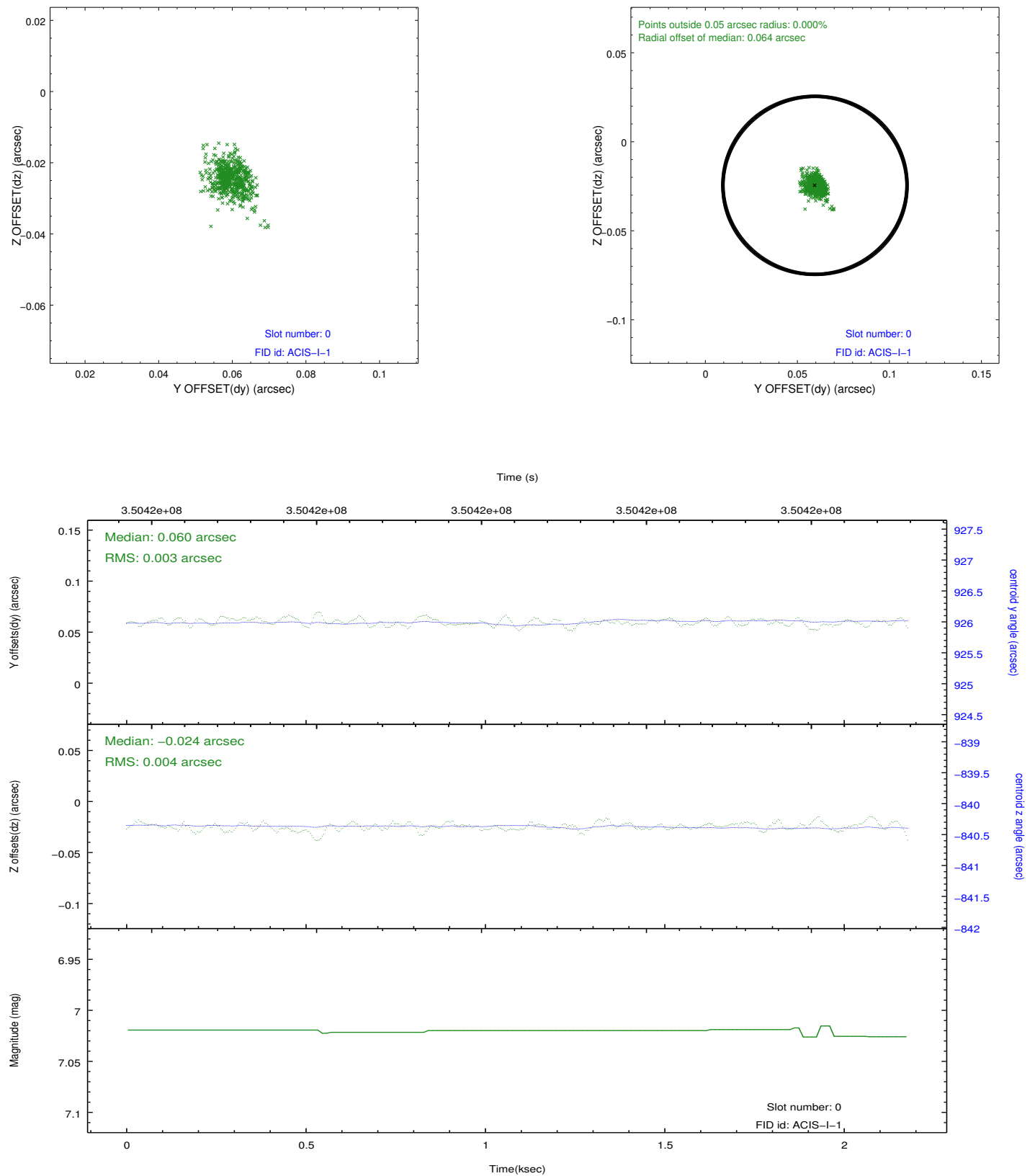


2.4.5 Slot 7

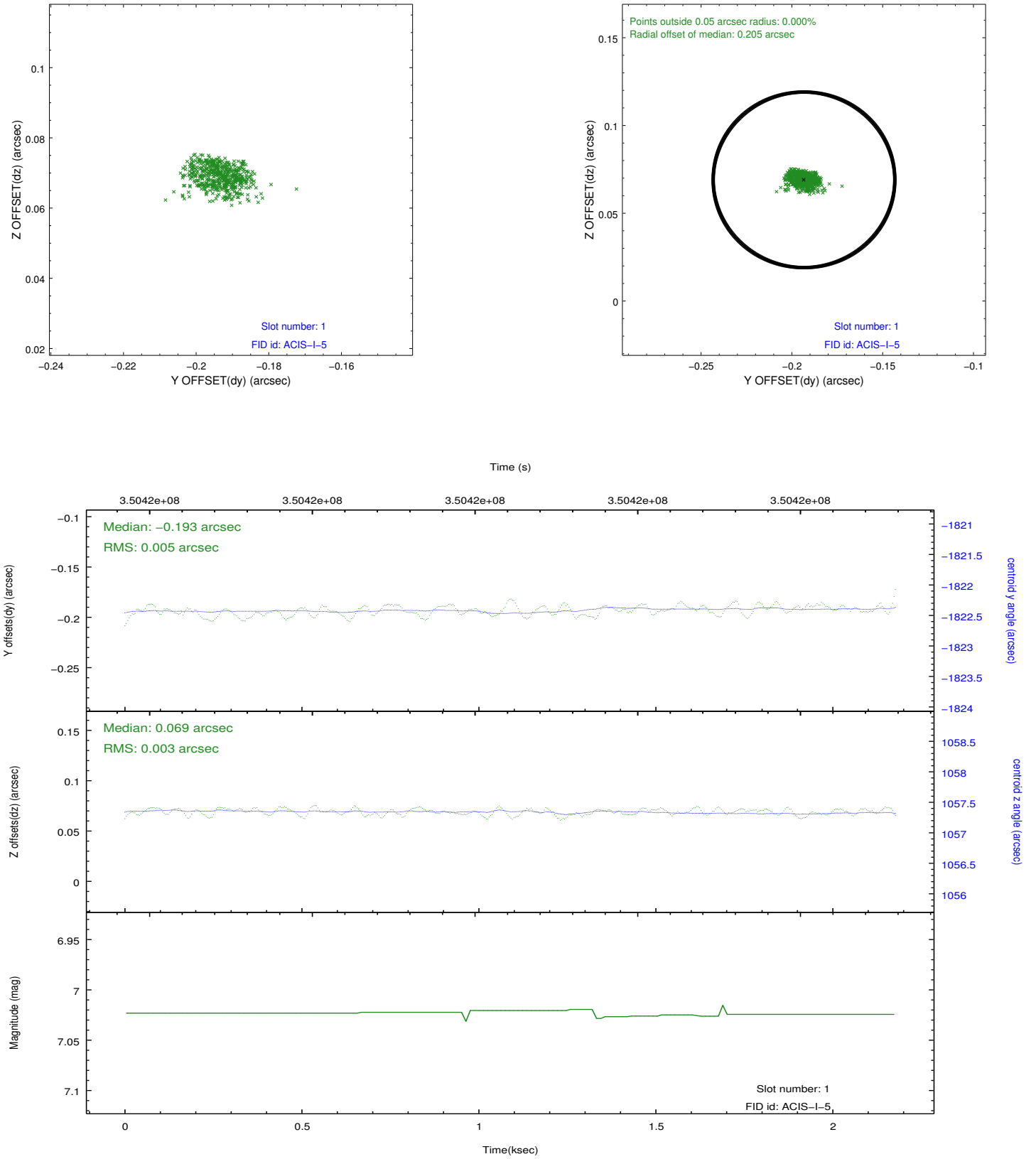


2.5 FID Slots

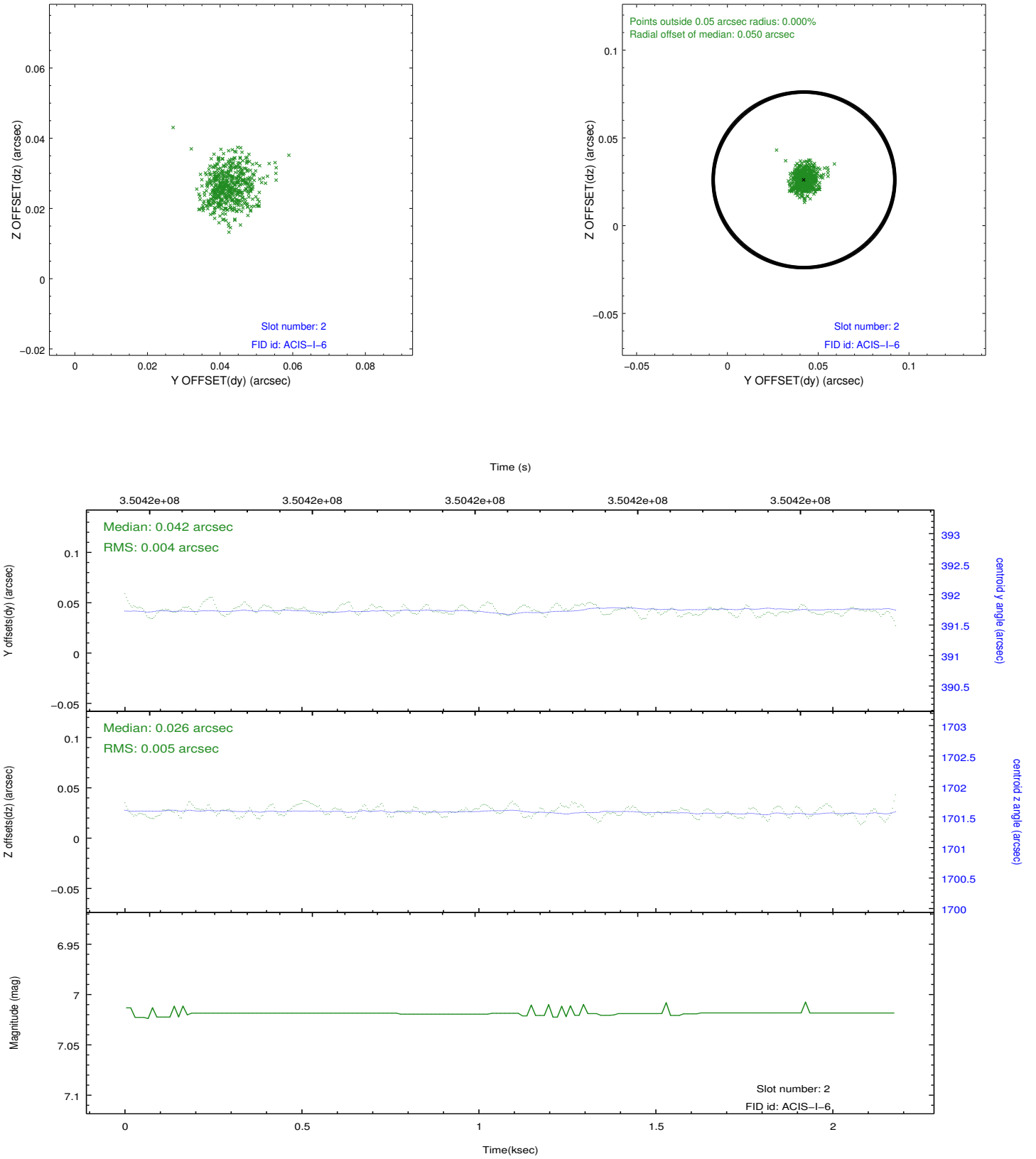
2.5.1 Slot 0



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	2.17930001

A.2 Comments

Joint Proposal: NOAO