

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10012 - L2 Version 2
Chandra X-Ray Center

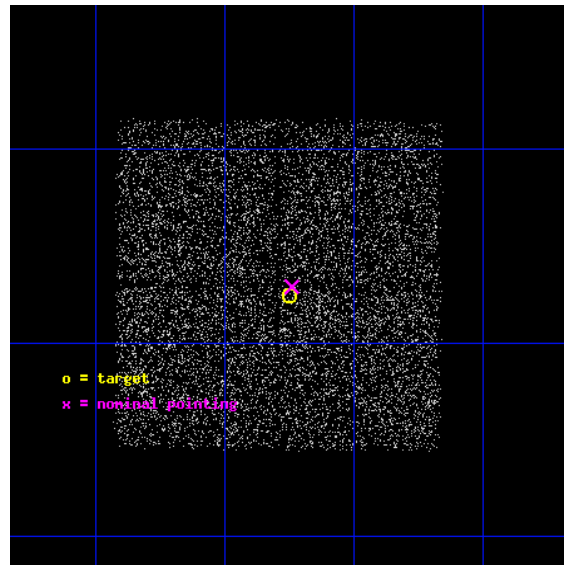
L2 Processing Date : Jun 1 2012

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1 Front

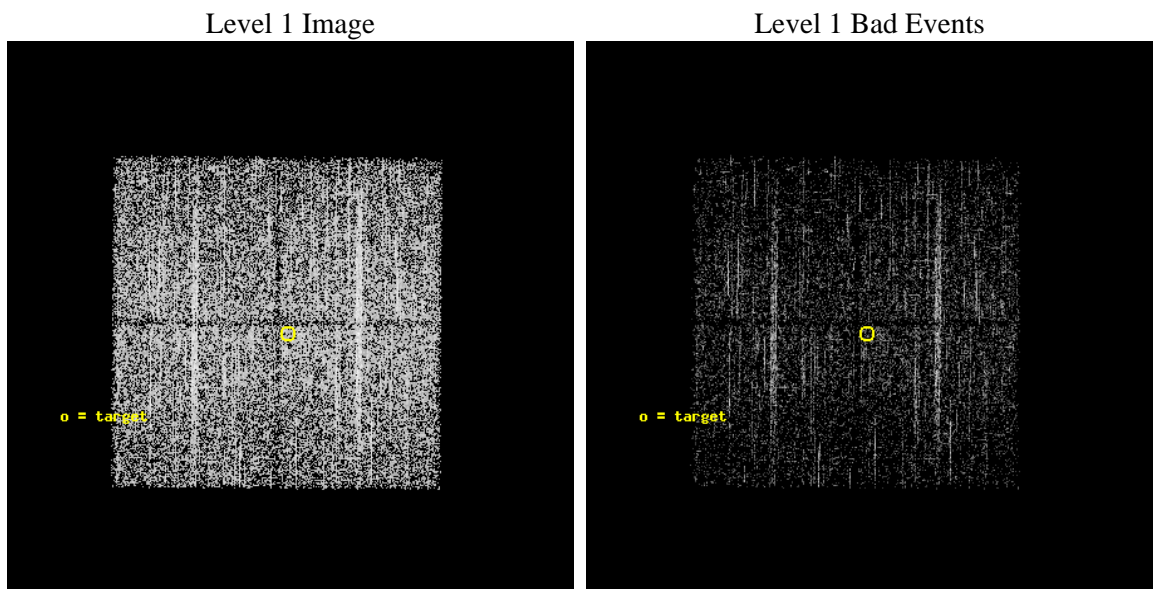
seq_num	400976	Sequence number
obs_id	10012	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.062917	Observer's specified target RA [deg]
dec_targ	-25.792778	Observer's specified target Dec [deg]
ra_nom	266.06010935668	Nominal RA [deg]
dec_nom	-25.785266442674	Nominal Dec [deg]
roll_nom	90.4376767987	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	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10171	Number of level 2 events



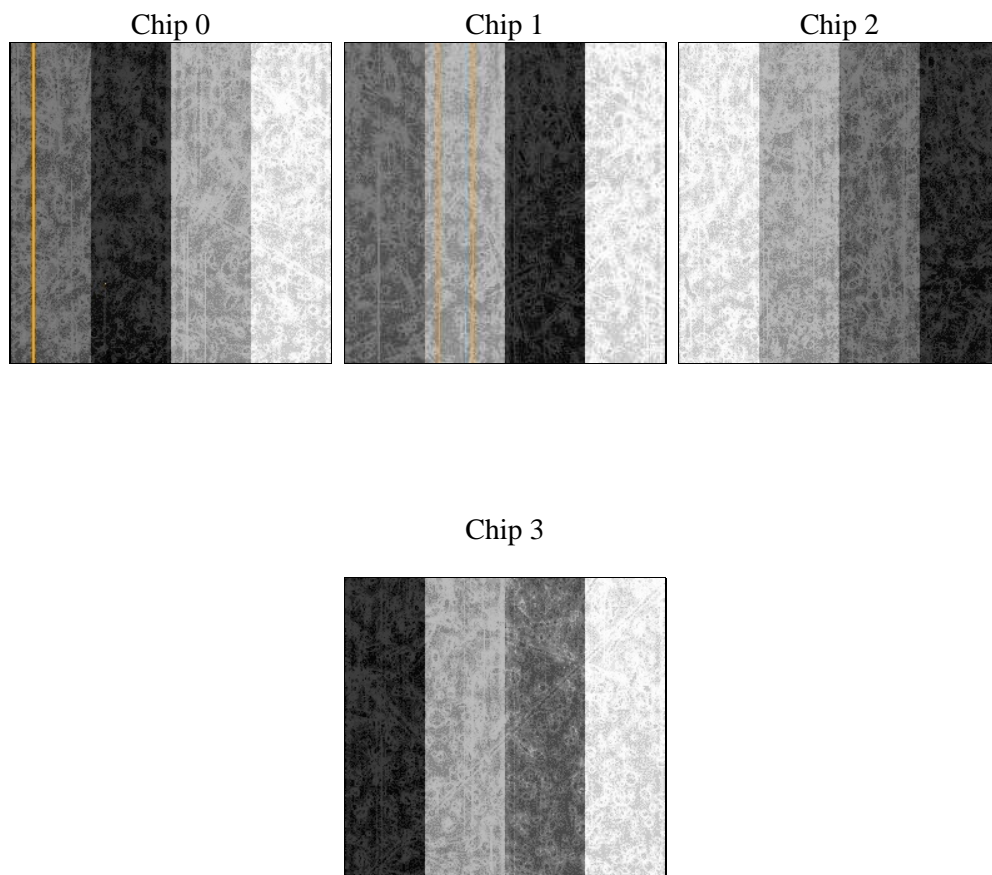
2 OBI

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	2012-06-01T06:53:43	Date and time of file creation	ontime1	2188.6000168324	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	98916	Number of level 1 events

2.1.4 Events

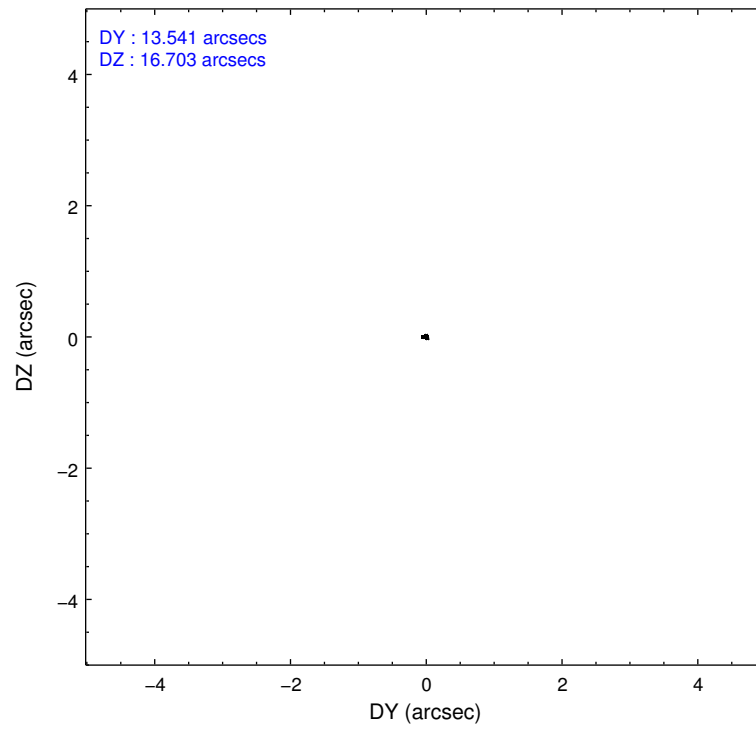
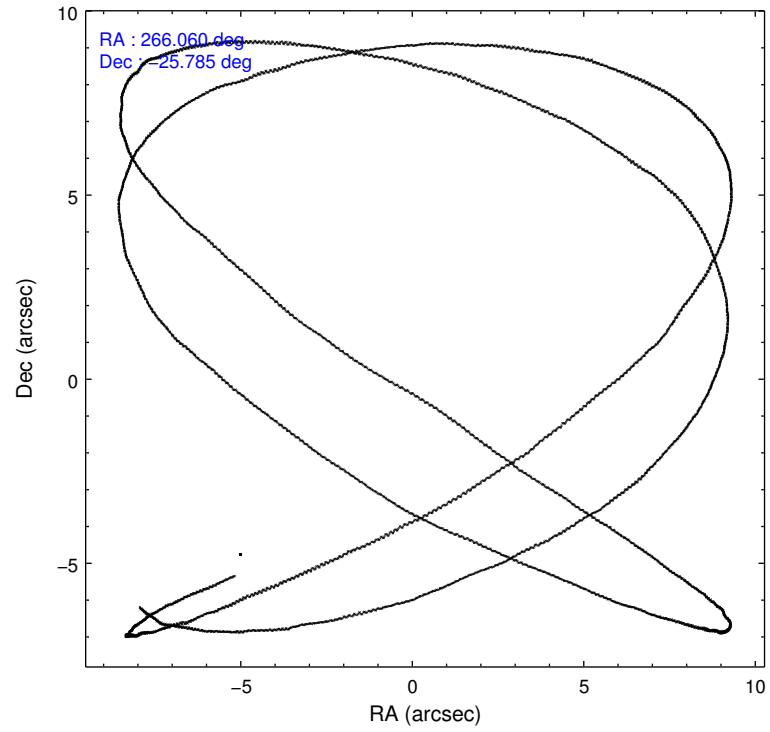
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23772	23968	25759	25417
rejected events	20797	20879	22897	22512
rejected %	87%	87%	88%	88%

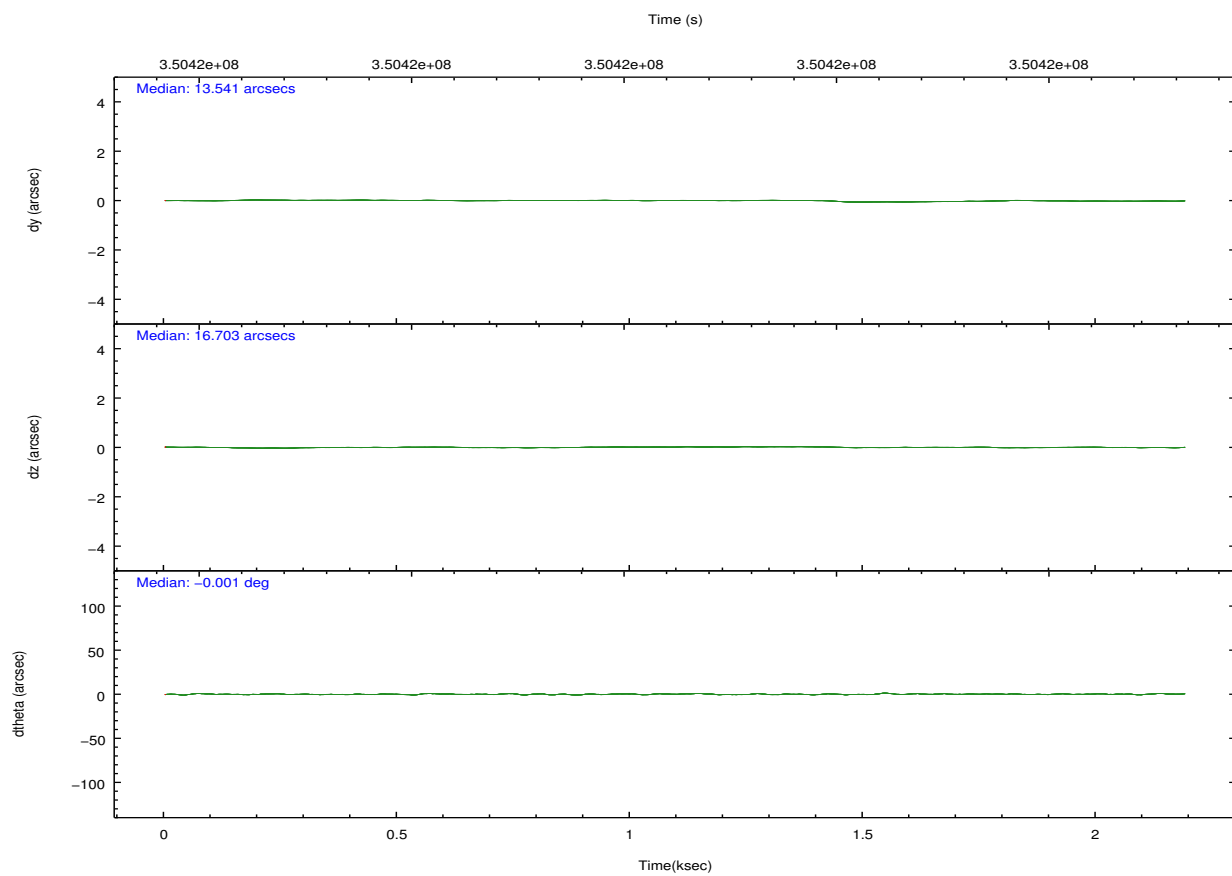
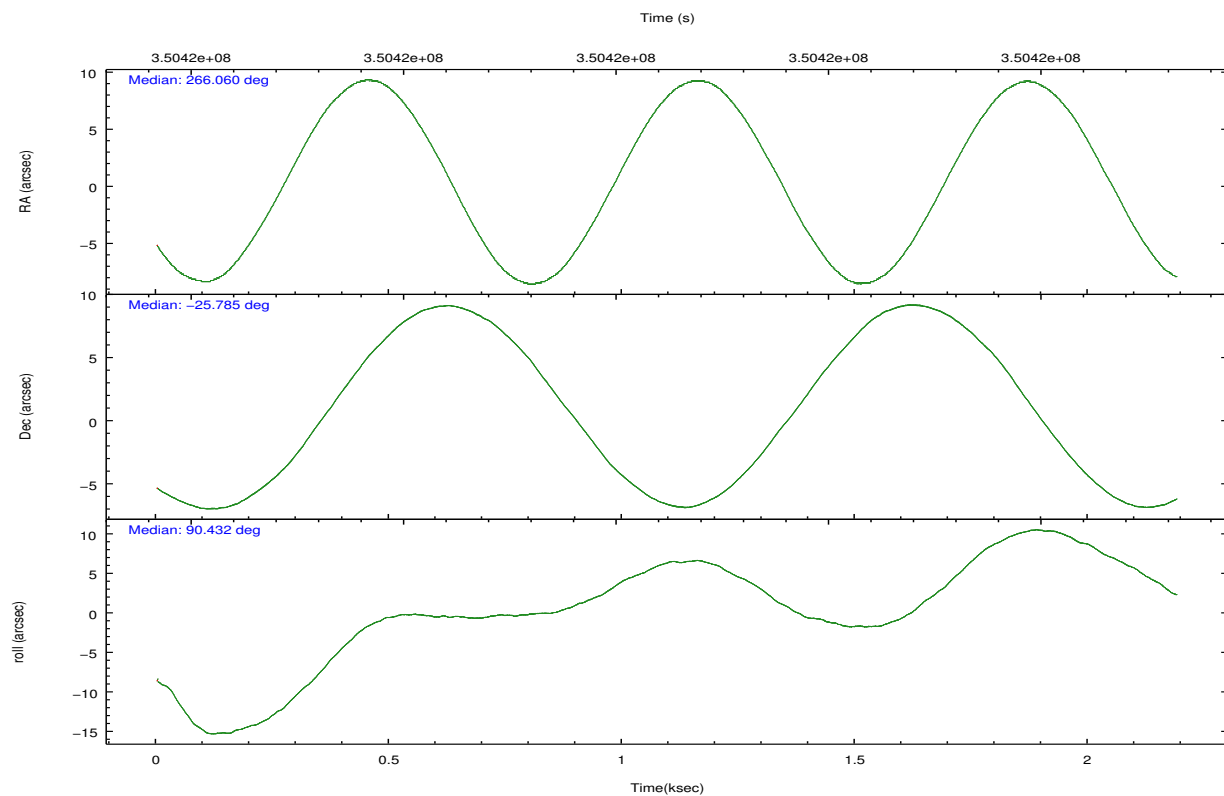
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1460	1418	1481	1511
	6%	5%	5%	5%
grade 1 events	14	11	23	16
	0%	0%	0%	0%
grade 2 events	804	823	699	645
	3%	3%	2%	2%
grade 3 events	327	310	283	310
	1%	1%	1%	1%
grade 4 events	269	318	308	306
	1%	1%	1%	1%
grade 5 events	1093	1134	1033	1230
	4%	4%	4%	4%
grade 6 events	564	660	476	568
	2%	2%	1%	2%
grade 7 events	19241	19294	21456	20831
	80%	80%	83%	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	266.075765	266.0601093566775	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.808725	-25.78526644267389	Alternating exposures requested	N	N
[deg] Pointing Roll	90.235827	90.43767679869958	[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)	350422208.184000	350421832.57191			
Observation start date	2009-02-07T19:29:02	2009-02-07T19:23:52			
[s] Observation end time (MET)	350424208.184000	350424342.79703			
Observation end date	2009-02-07T20:02:22	2009-02-07T20:05:42			
Read mode	TIMED	TIMED			

2.3 Aspect



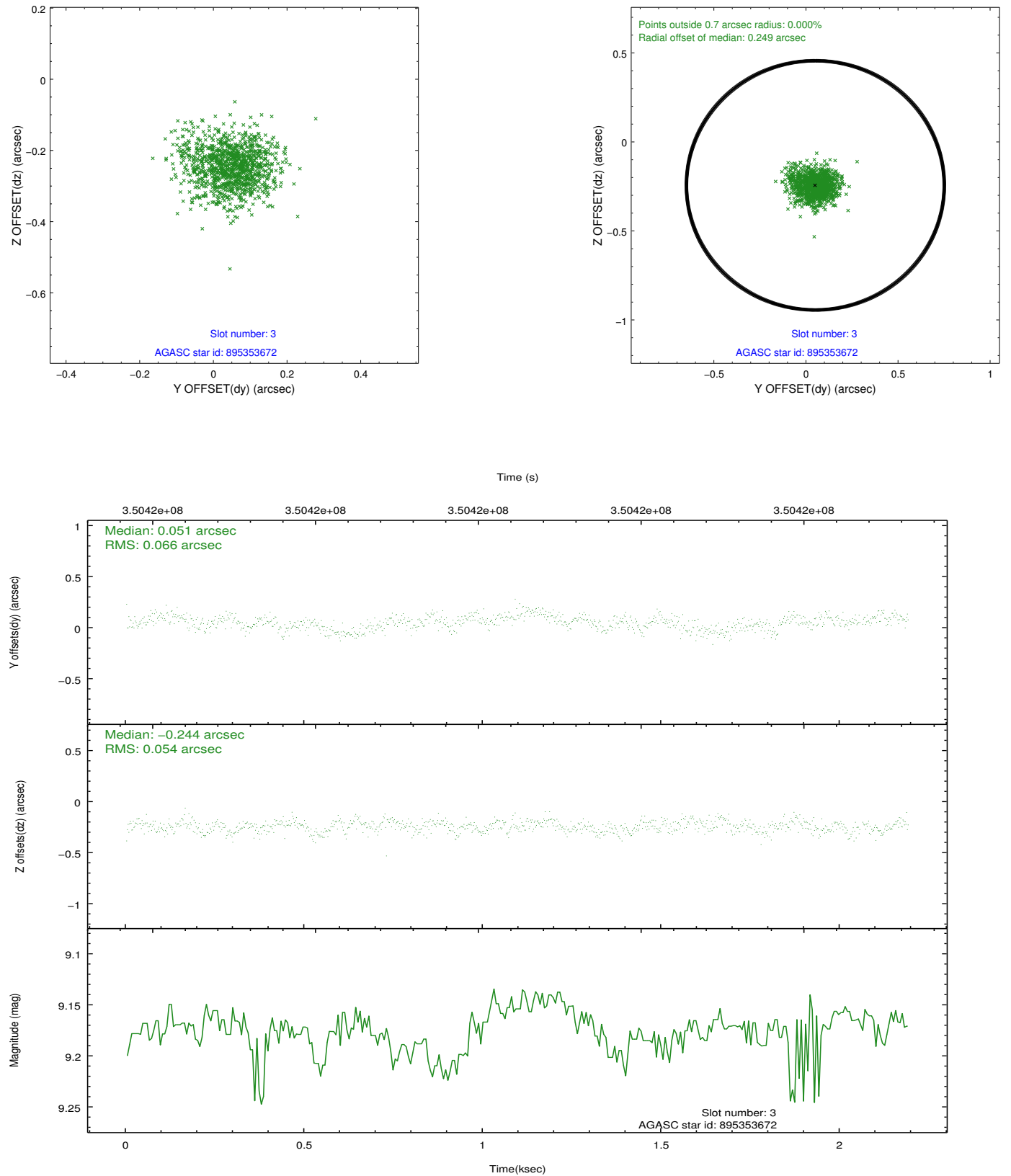


Slot Statistics

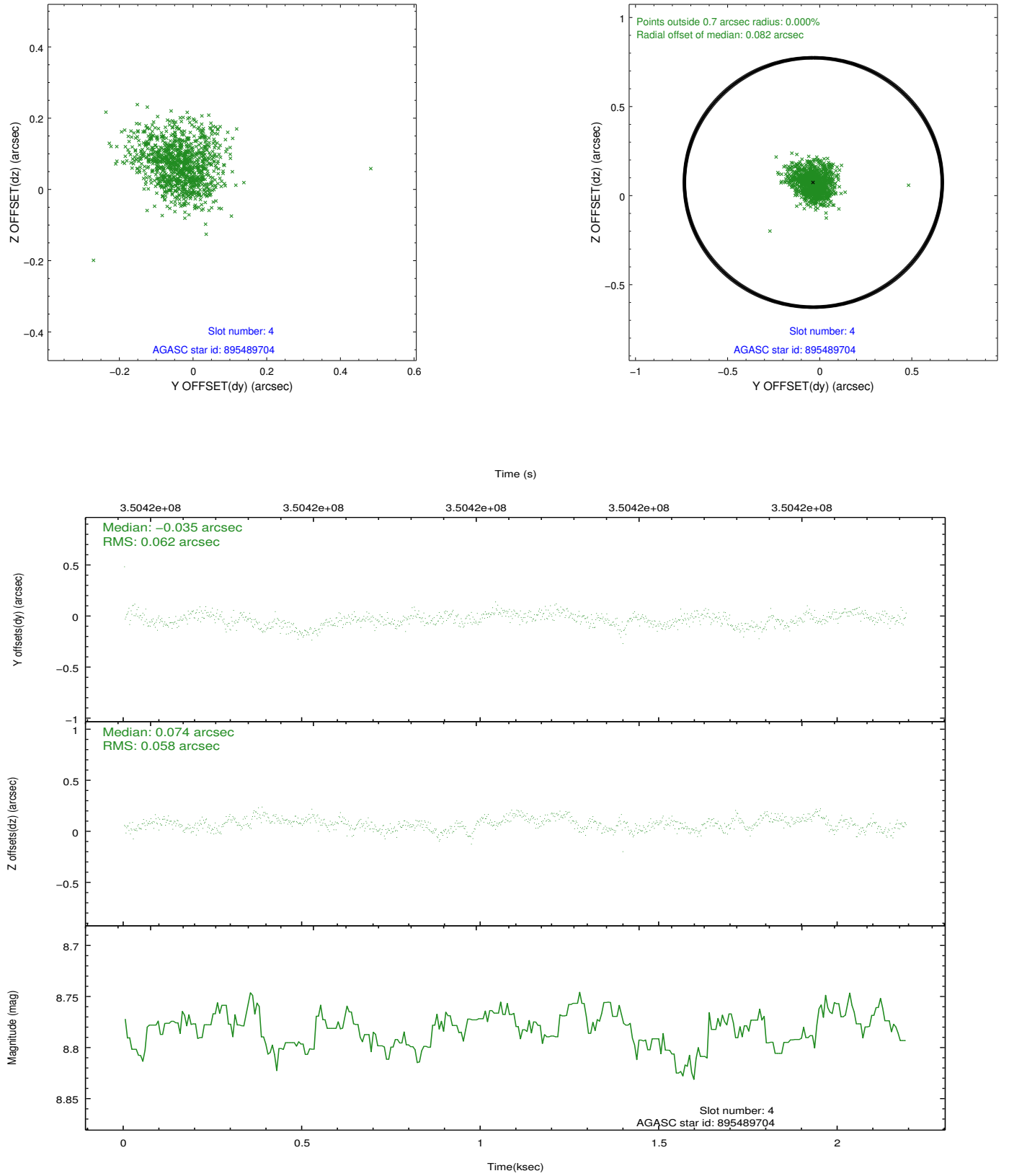
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	535	0.058	-0.022	0.006	0.010	0.000000	0.000000	926.00	-840.39
1	FID	ACIS-I-5	7.02	535	-0.191	0.069	0.006	0.011	0.000000	0.000000	-1820.67	1055.75
2	FID	ACIS-I-6	7.02	535	0.041	0.024	0.006	0.011	0.000000	0.000000	388.35	1703.53
3	GUIDE	895353672	9.18	1066	0.051	-0.244	0.091	0.147	265.503544	-25.854566	-160.91	1854.22
4	GUIDE	895489704	8.78	1069	-0.035	0.074	0.090	0.142	266.328076	-25.361339	1606.59	-825.69
5	GUIDE	895489896	7.58	1069	0.017	0.152	0.054	0.085	266.605795	-26.200300	-1417.57	-1707.11
6	GUIDE	896015112	9.16	1068	0.080	0.230	0.112	0.183	266.684847	-26.286161	-1731.59	-1960.54
7	GUIDE	896015880	8.49	1068	-0.102	-0.210	0.069	0.108	265.986633	-26.306686	-1792.38	292.73

2.4 Star Slots

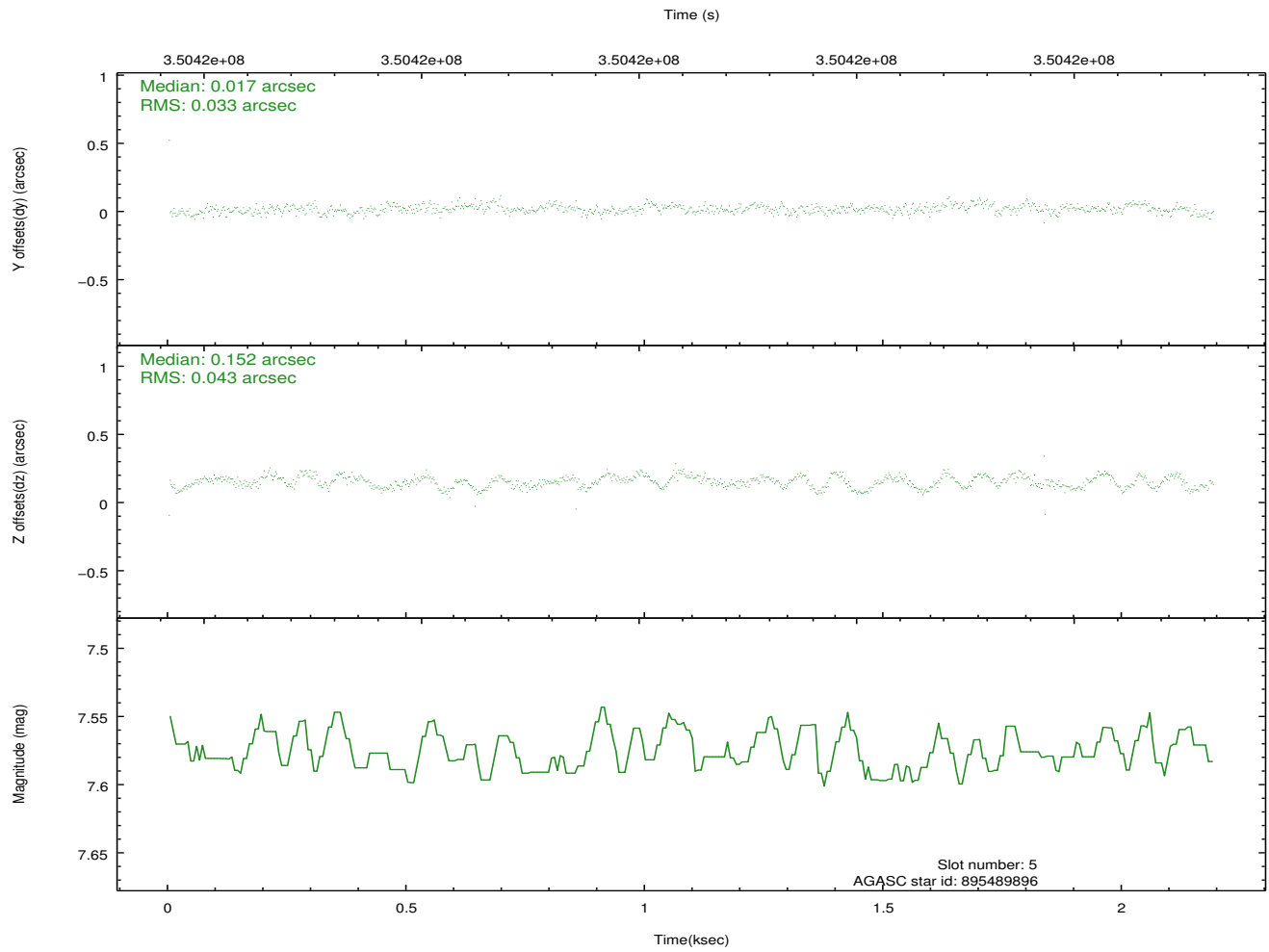
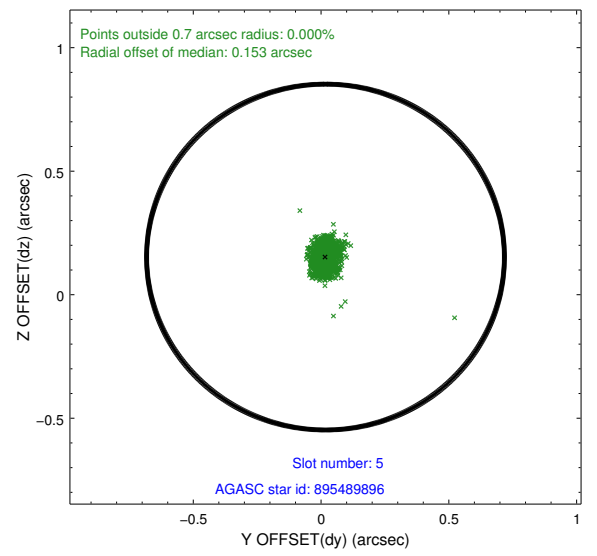
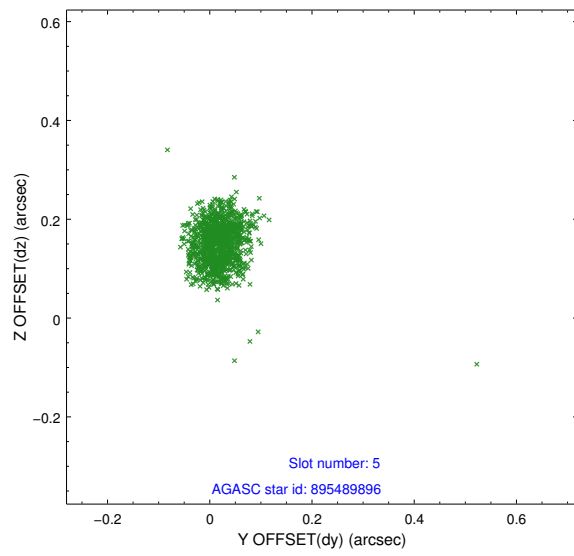
2.4.1 Slot 3



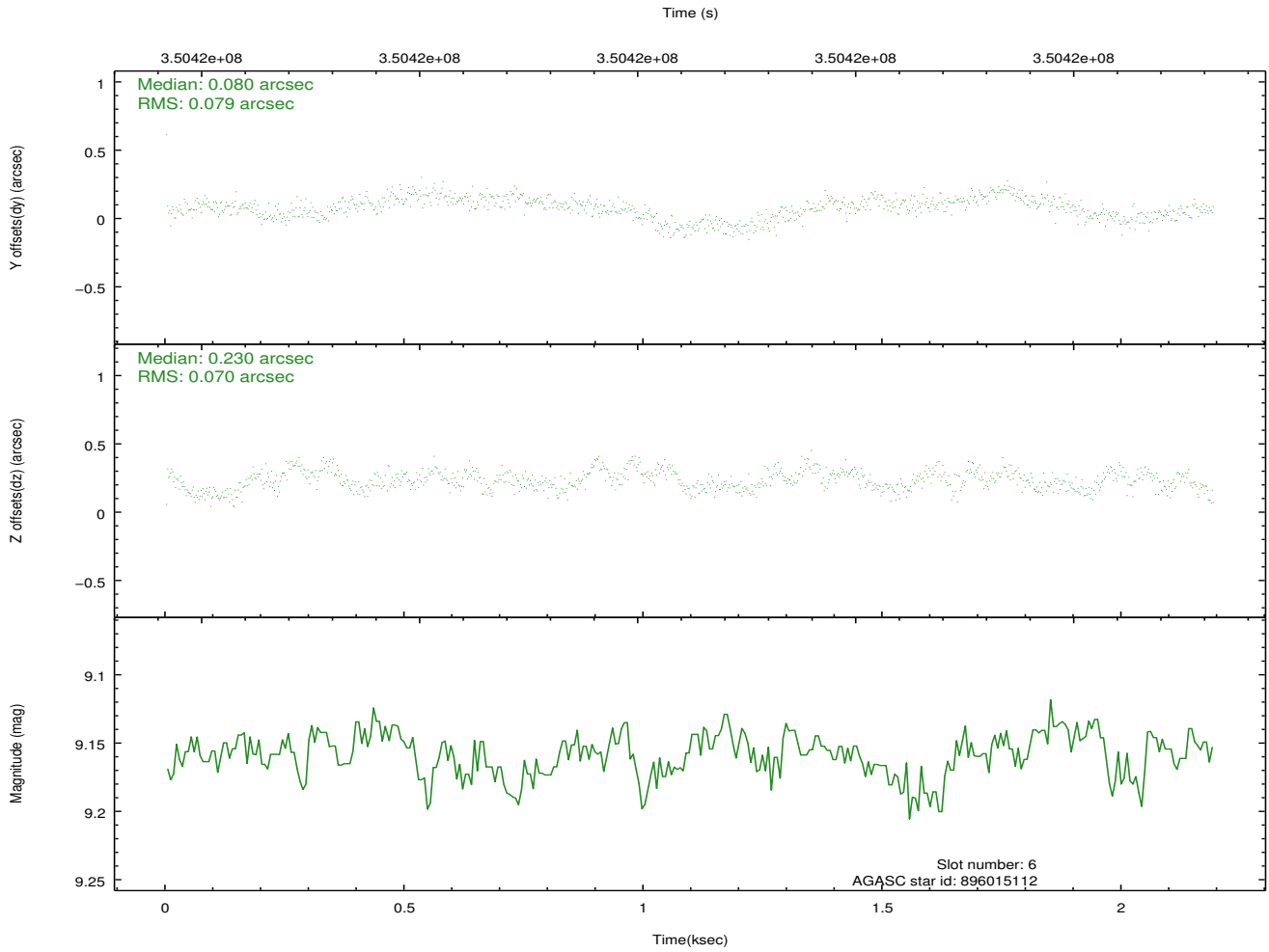
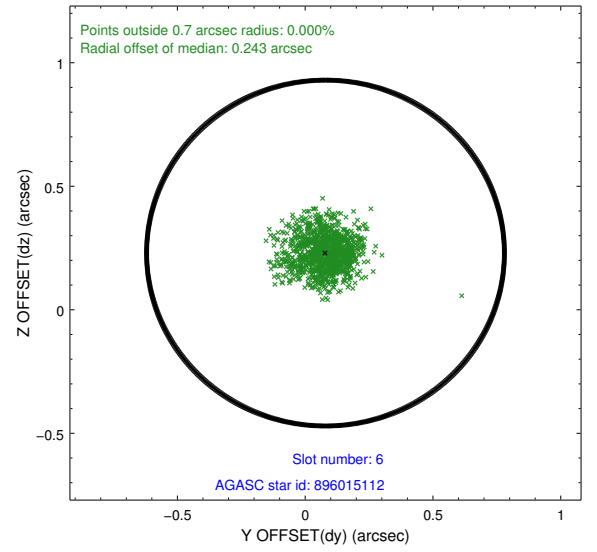
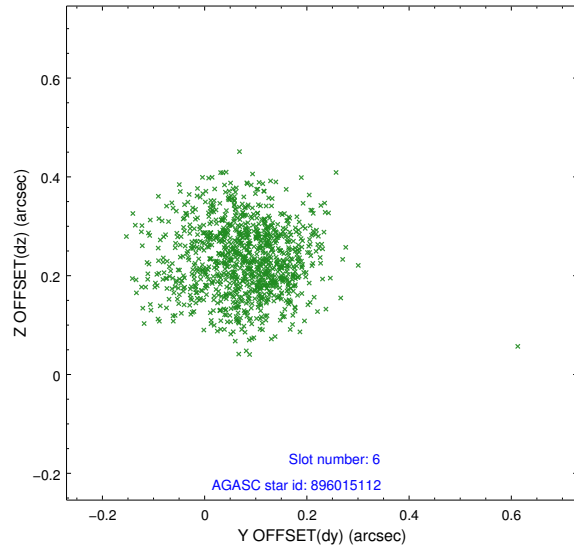
2.4.2 Slot 4



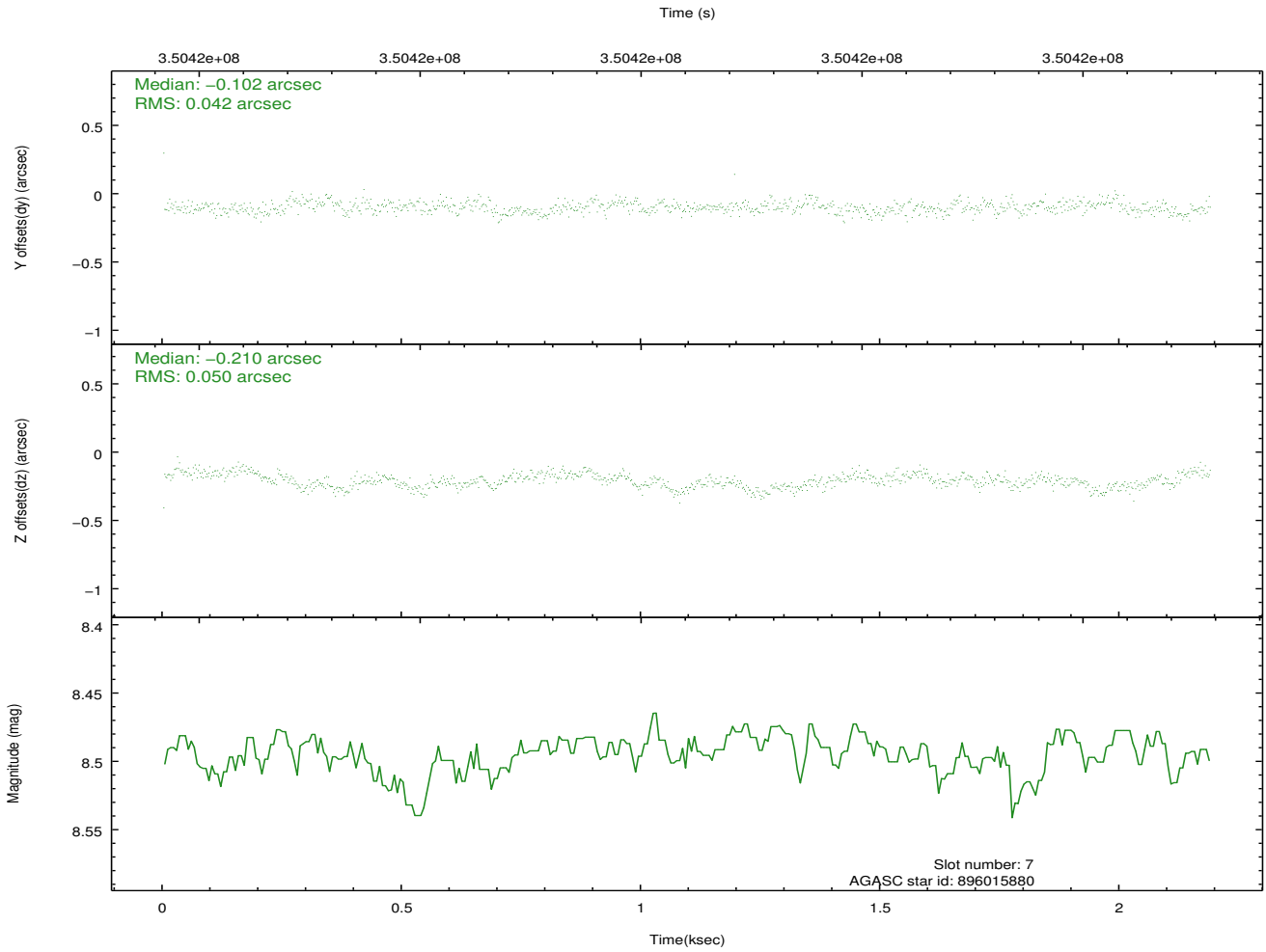
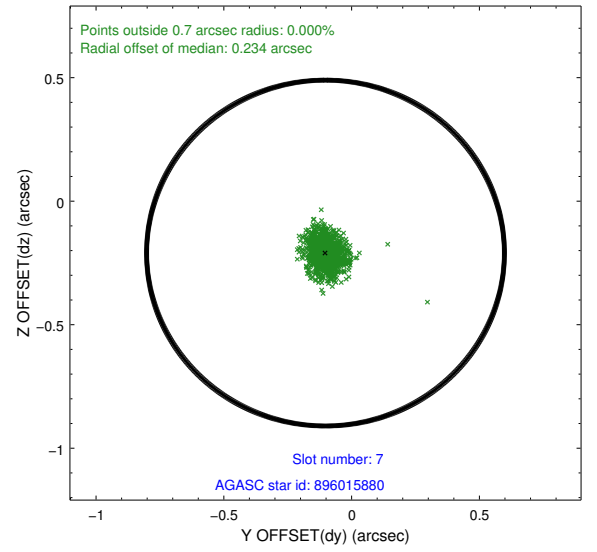
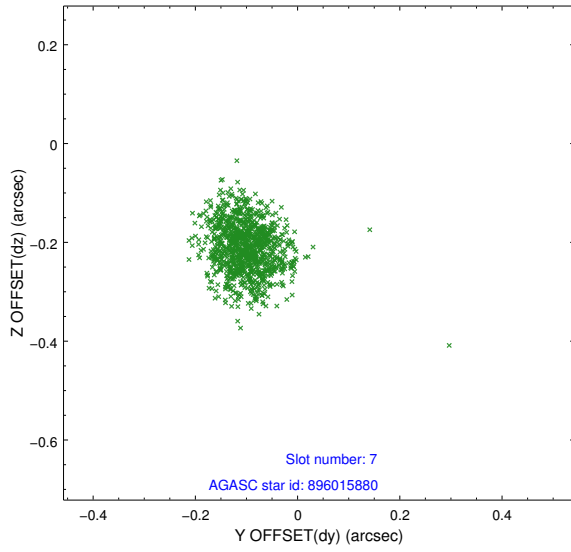
2.4.3 Slot 5



2.4.4 Slot 6

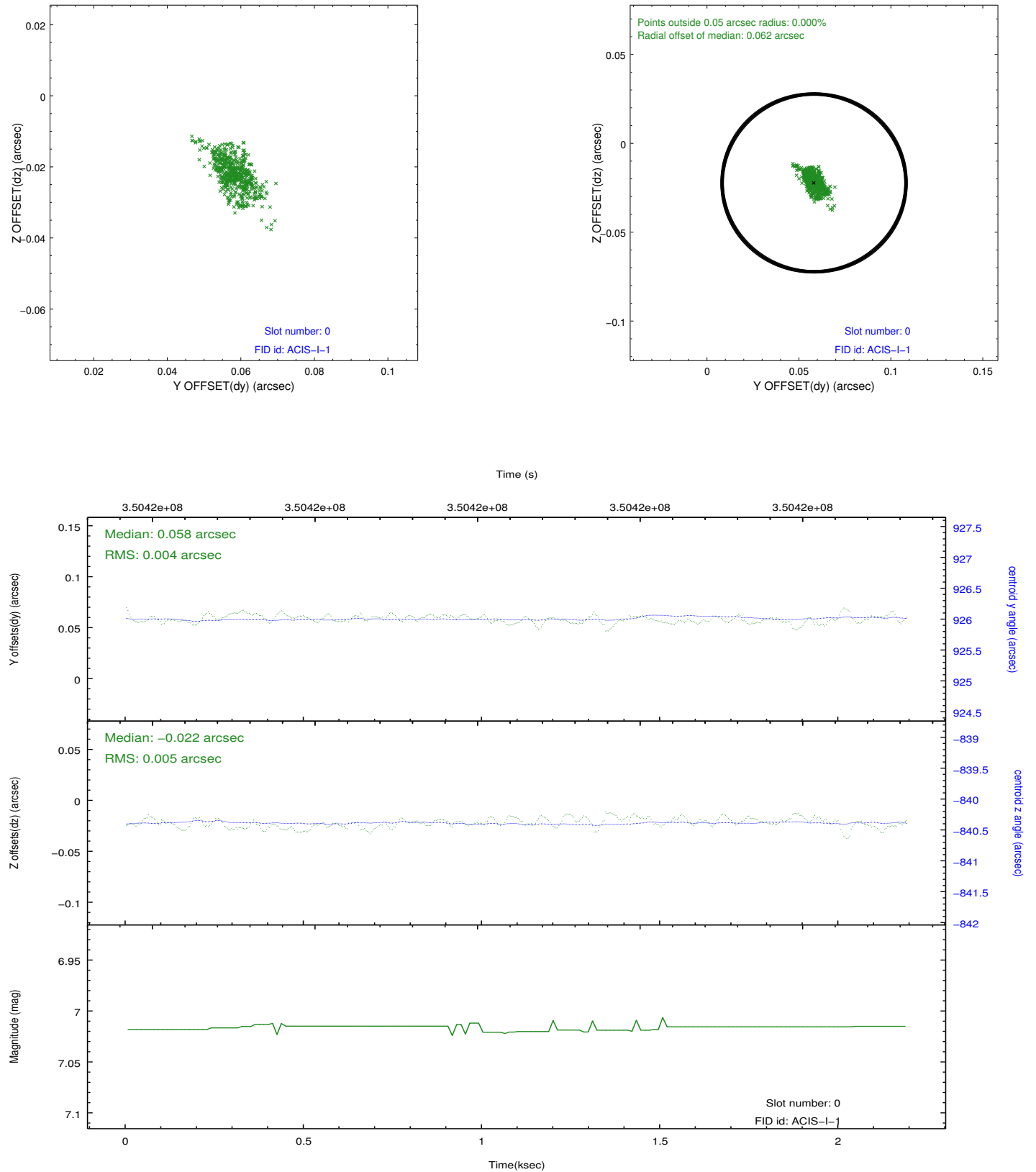


2.4.5 Slot 7

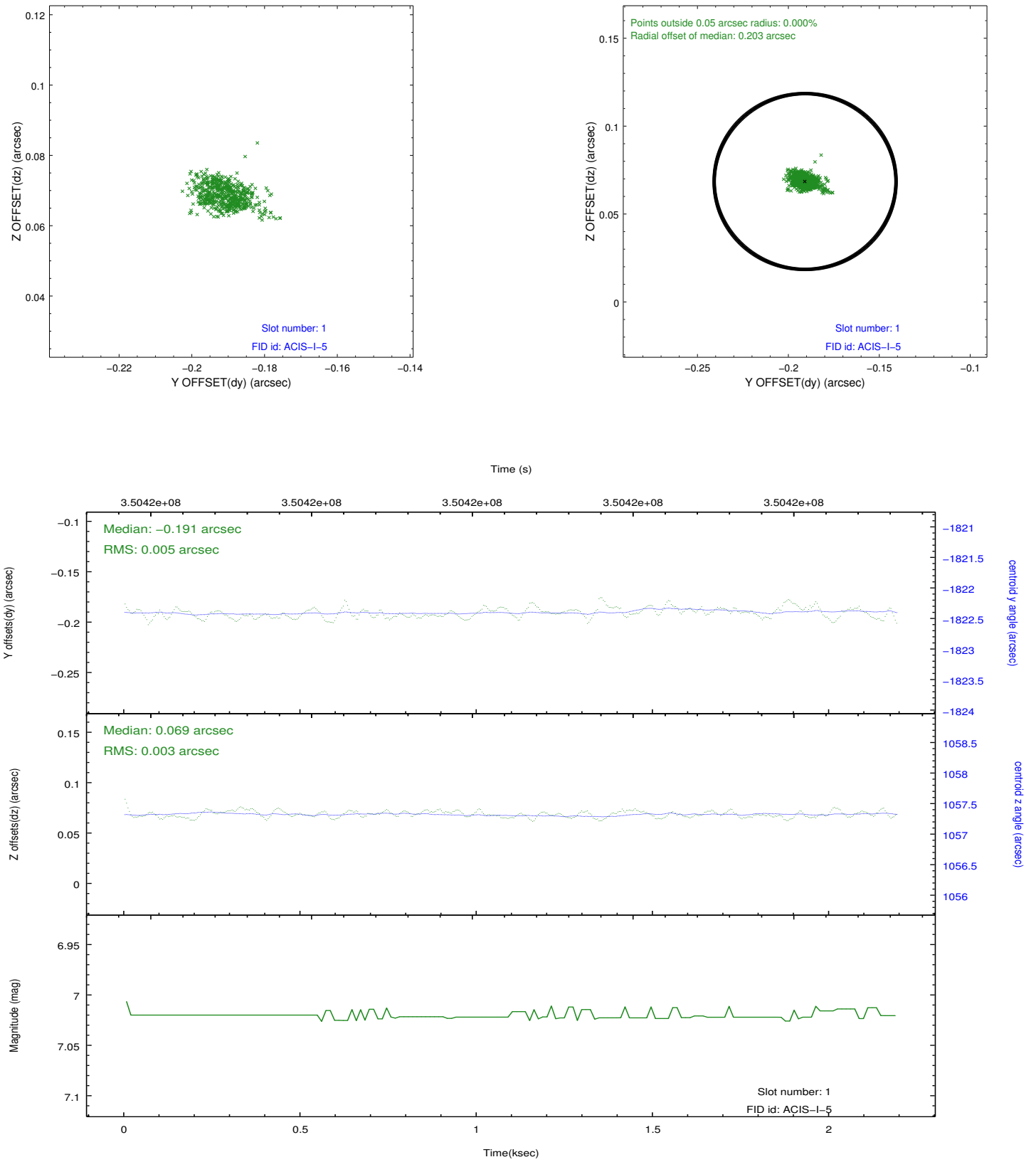


2.5 FID Slots

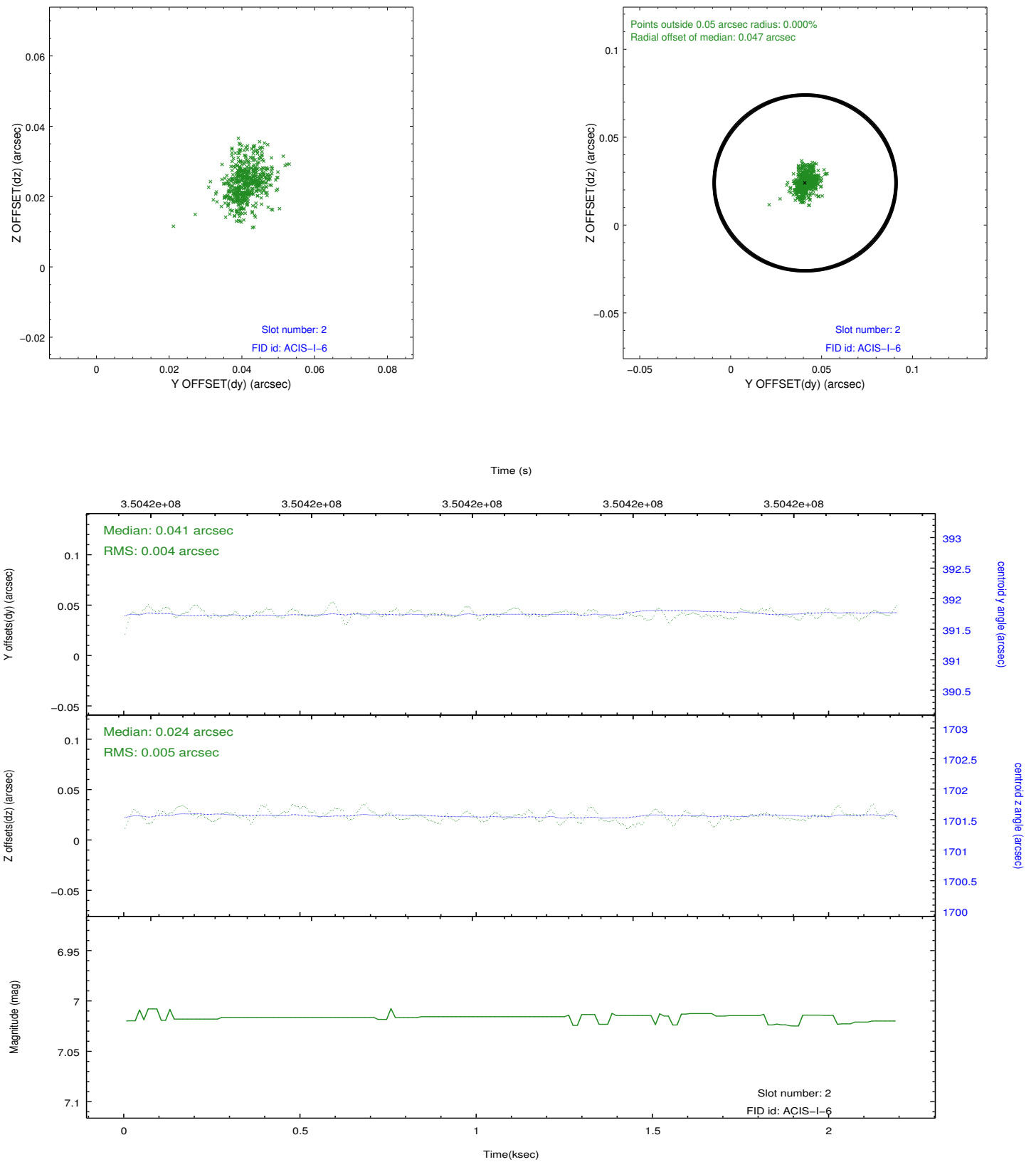
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint Proposal: NOAO