

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10008 - L2 Version 3
Chandra X-Ray Center

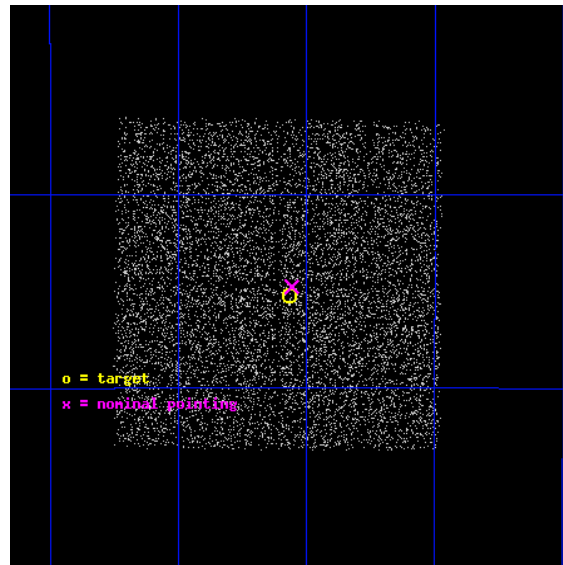
L2 Processing Date : Jun 4 2012

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1 Front

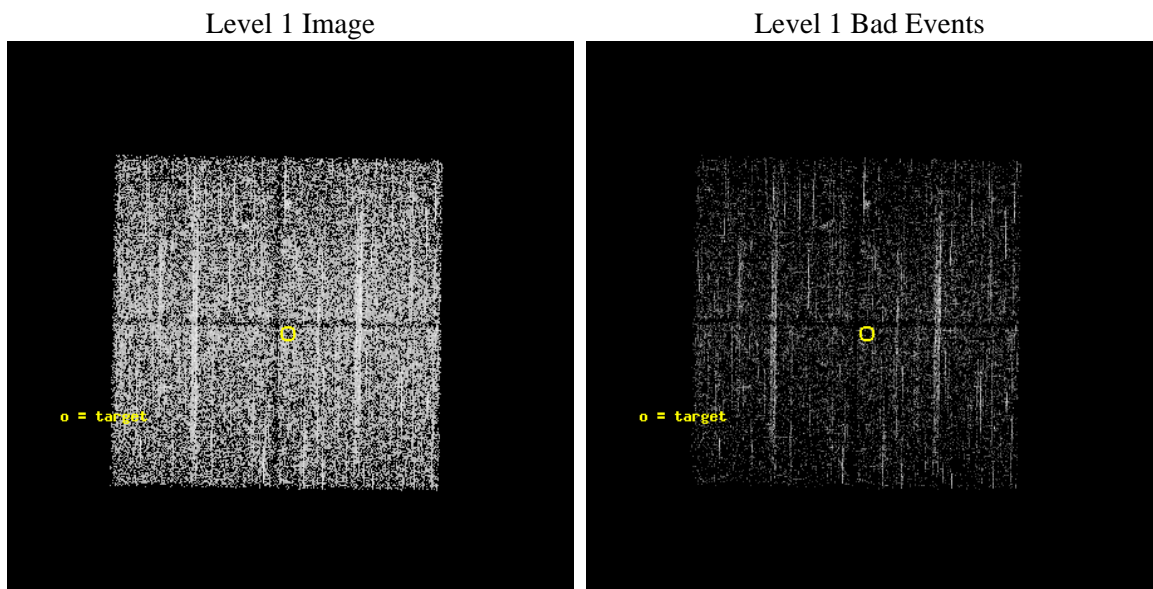
seq_num	400972	Sequence number
obs_id	10008	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.517375	Observer's specified target RA [deg]
dec_targ	-26.586833	Observer's specified target Dec [deg]
ra_nom	265.51450708888	Nominal RA [deg]
dec_nom	-26.5793385224	Nominal Dec [deg]
roll_nom	90.788712806896	Nominal Roll [deg]
revision	3	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	2179.2590563893	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10336	Number of level 2 events



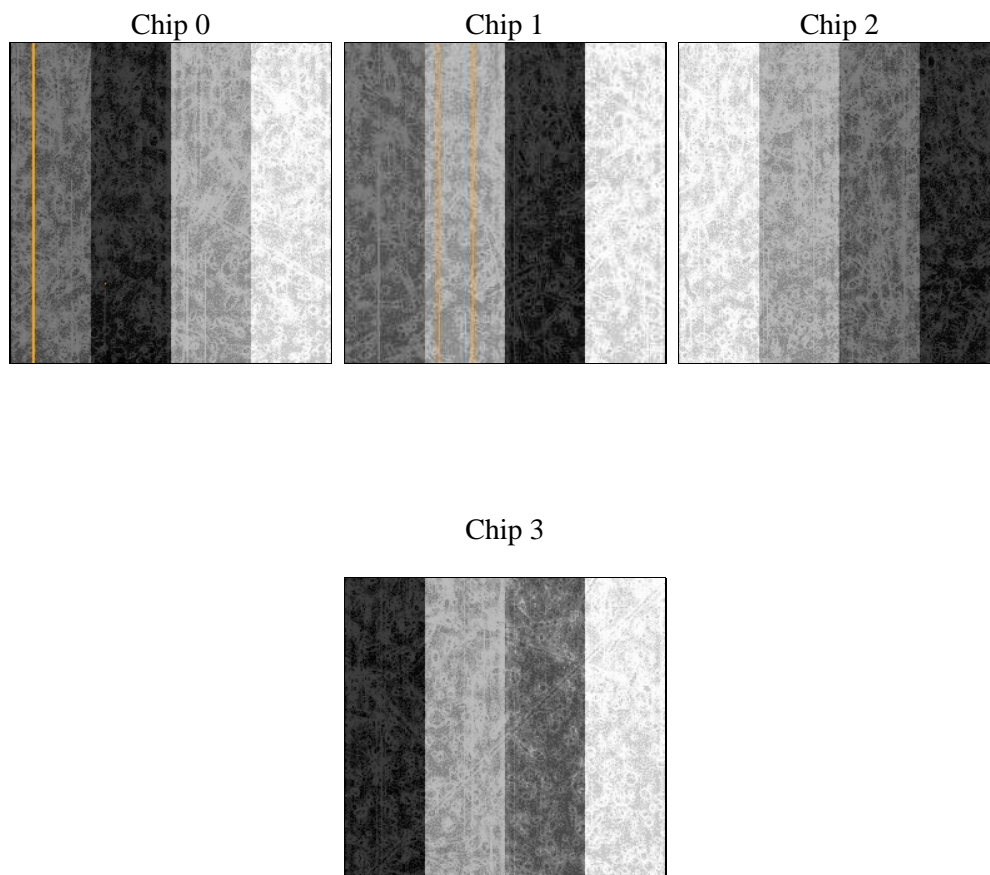
2 OBI

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	2012-06-04T17:31:43	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2179.2590563893	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	101554	Number of level 1 events

2.1.4 Events

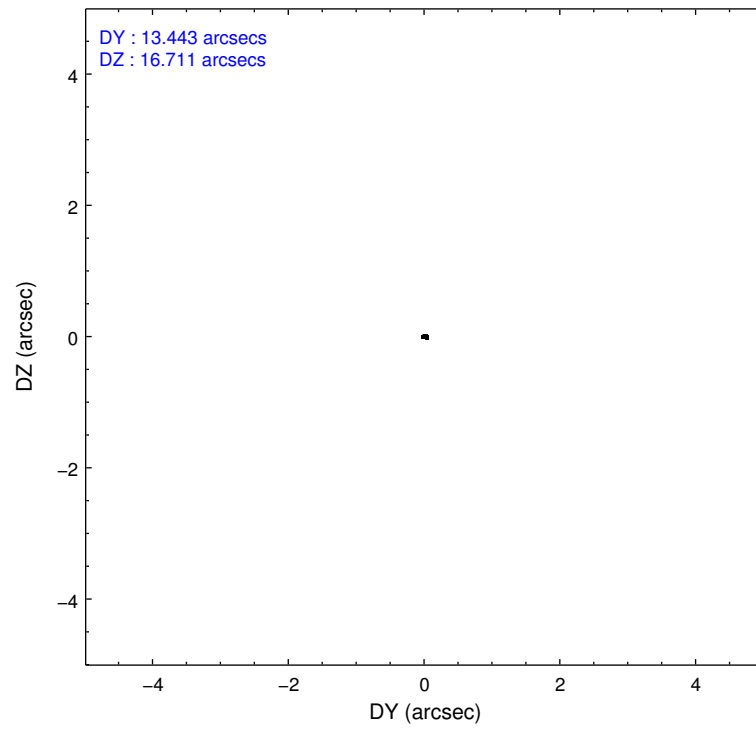
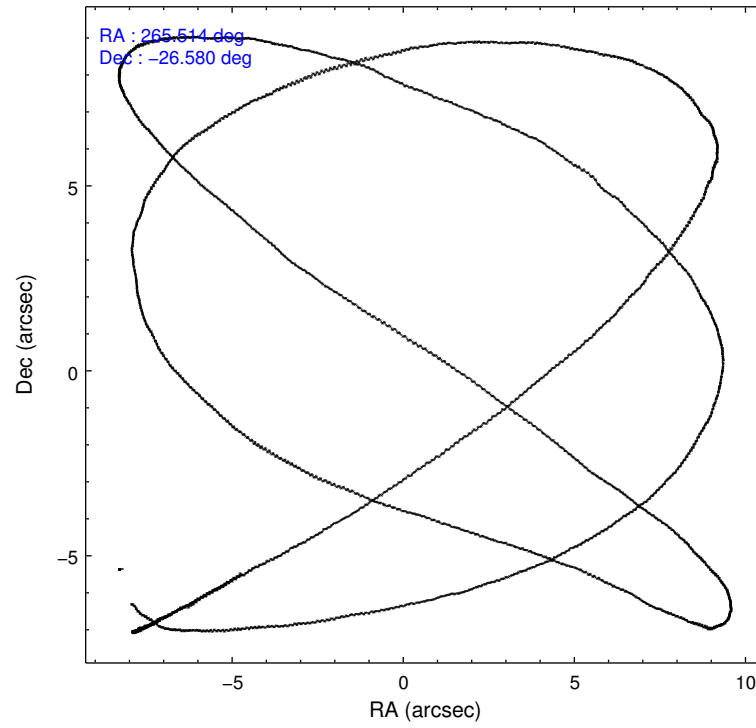
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	25097	24046	26210	26201
rejected events	22060	20961	23252	23281
rejected %	87%	87%	88%	88%

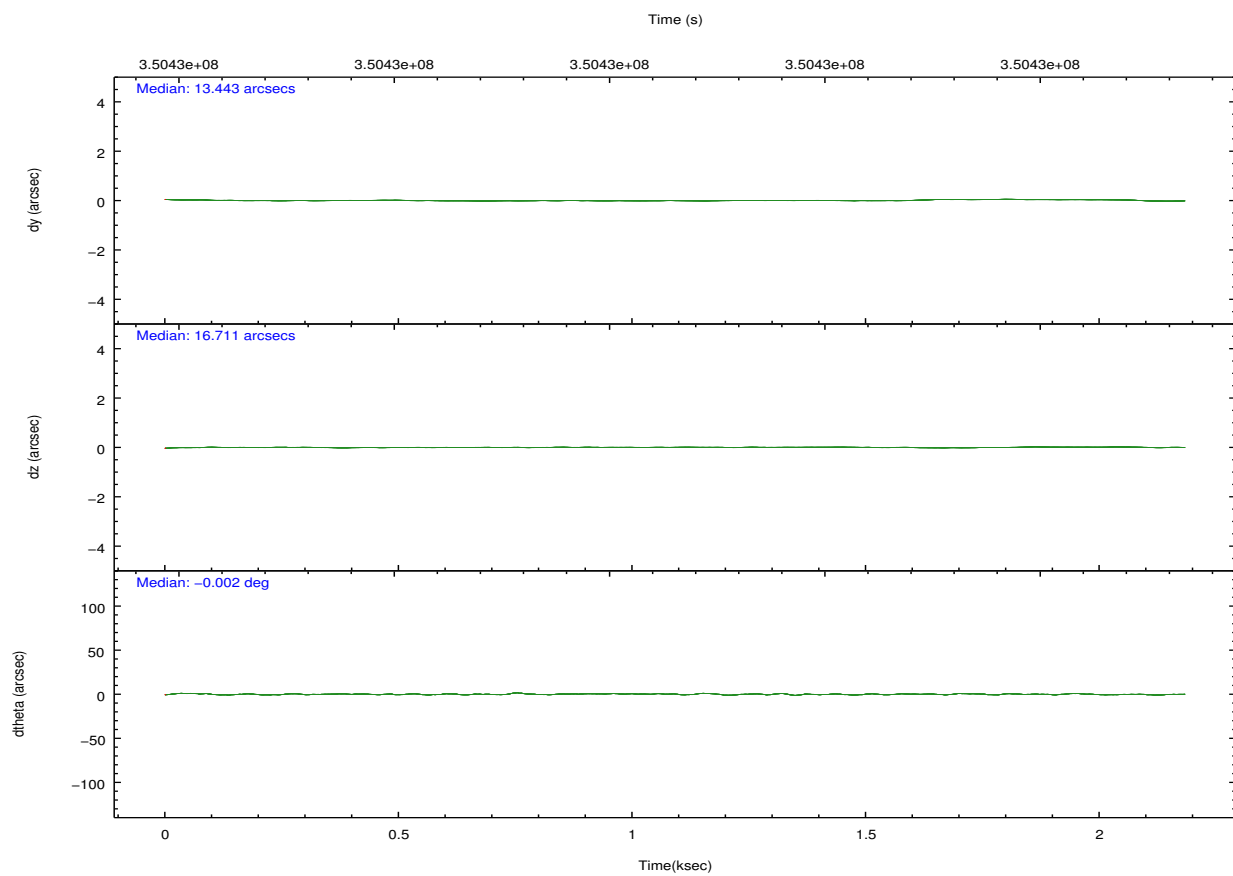
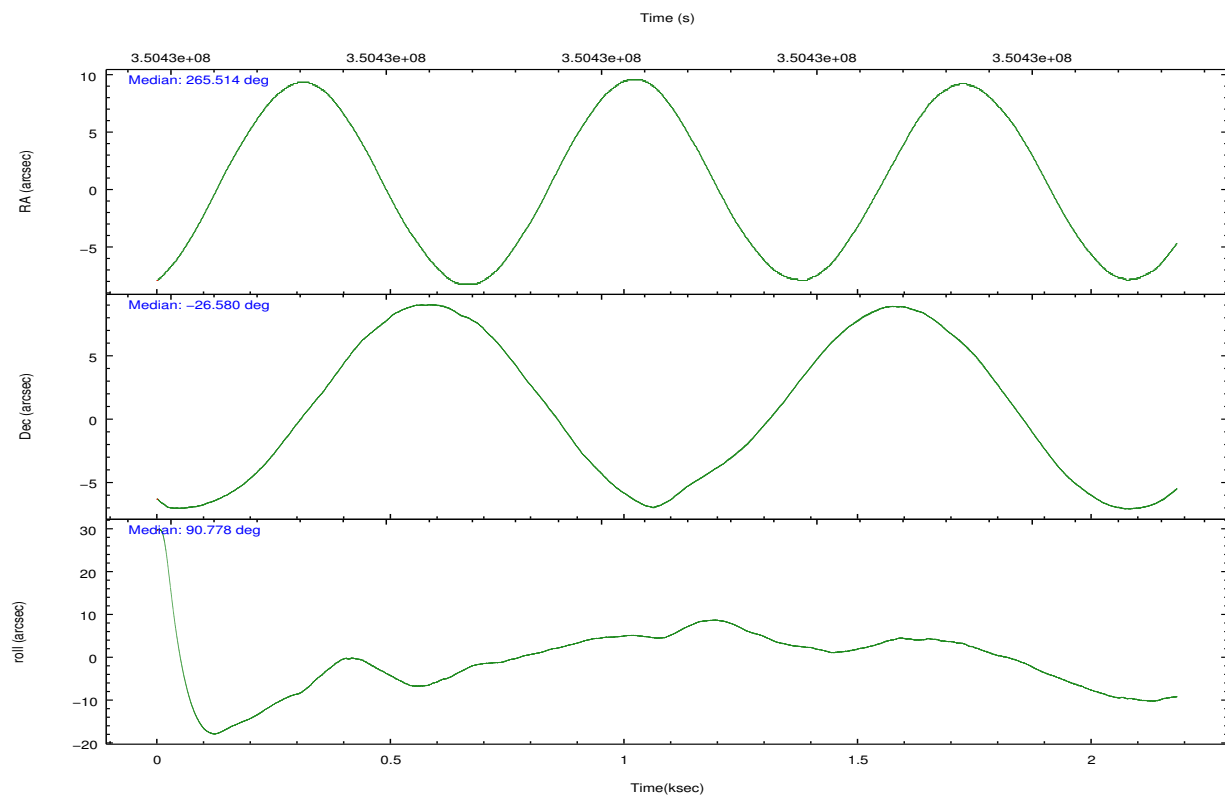
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1523	1400	1563	1521
	6%	5%	5%	5%
grade 1 events	14	14	21	19
	0%	0%	0%	0%
grade 2 events	778	805	700	674
	3%	3%	2%	2%
grade 3 events	307	311	307	292
	1%	1%	1%	1%
grade 4 events	302	352	306	321
	1%	1%	1%	1%
grade 5 events	1130	1156	1075	1244
	4%	4%	4%	4%
grade 6 events	575	694	503	579
	2%	2%	1%	2%
grade 7 events	20468	19314	21735	21551
	81%	80%	82%	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	265.530421	265.5145070888779	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.602714	-26.57933852240047	Alternating exposures requested	N	N
[deg] Pointing Roll	90.586821	90.78871280689636	[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)	350432248.184000	350431872.4474			
Observation start date	2009-02-07T22:16:22	2009-02-07T22:11:12			
[s] Observation end time (MET)	350434248.184000	350434382.67253			
Observation end date	2009-02-07T22:49:42	2009-02-07T22:53:02			
Read mode	TIMED	TIMED			

2.3 Aspect



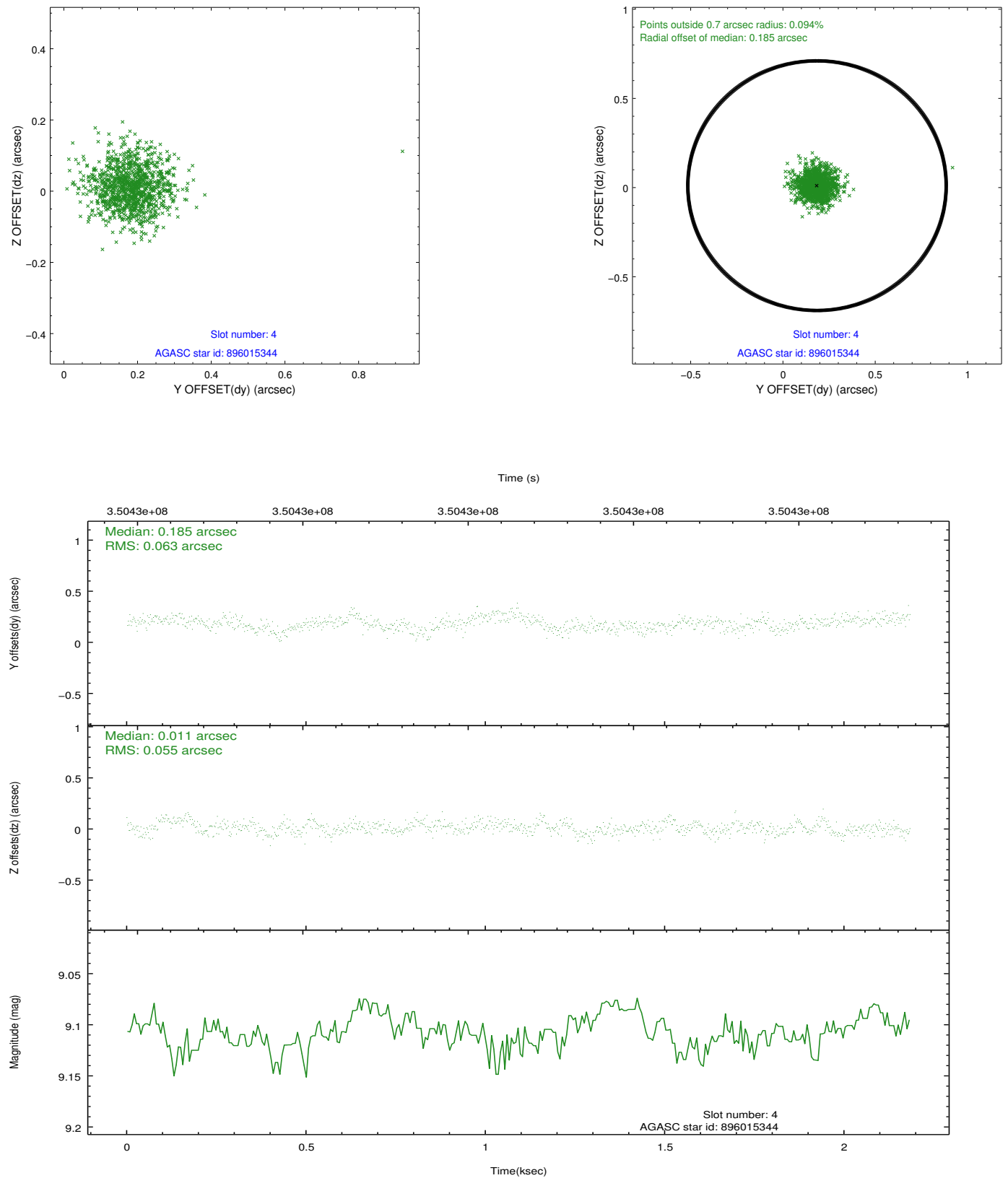


Slot Statistics

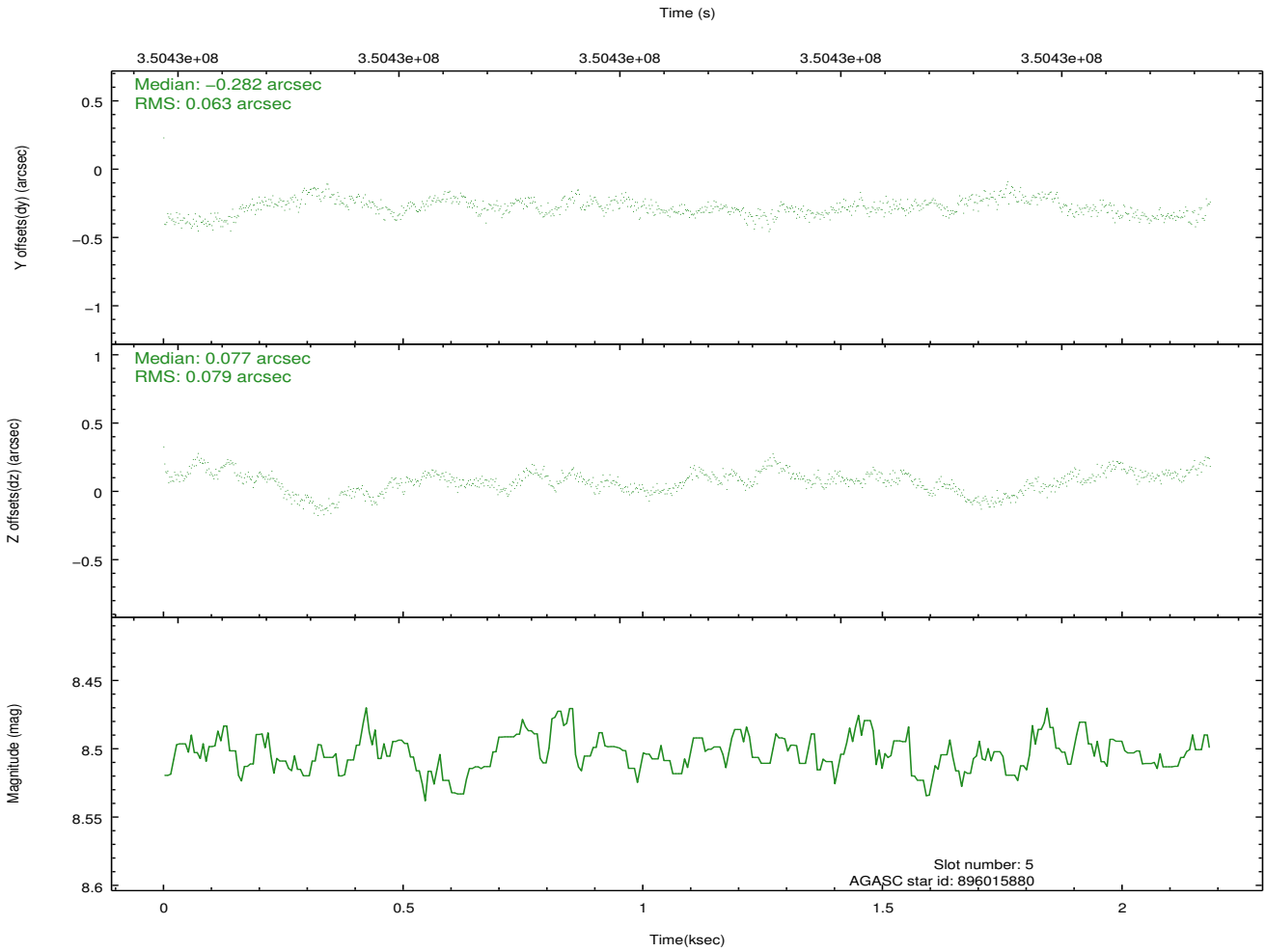
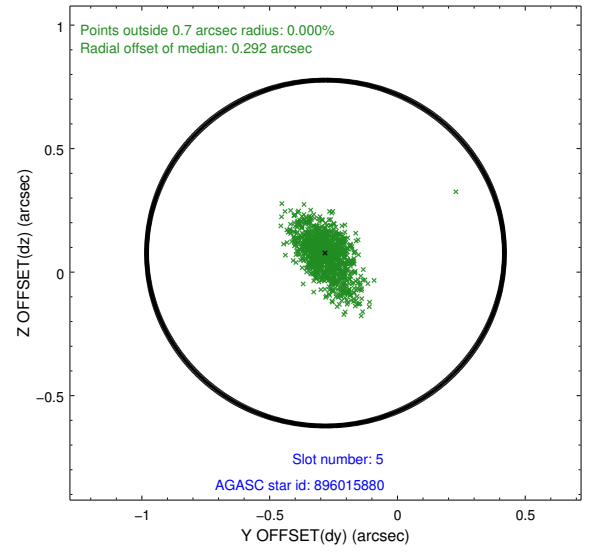
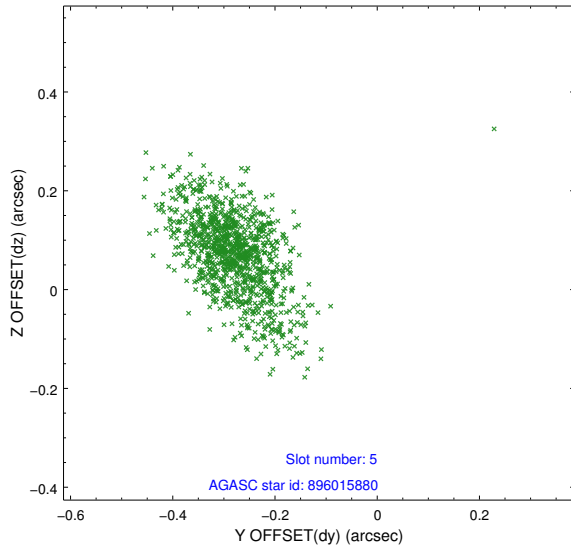
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	533	-0.014	-0.066	0.008	0.014	0.000000	0.000000	926.03	-840.43
1	FID	ACIS-I-4	6.95	533	0.133	0.076	0.007	0.011	0.000000	0.000000	2147.89	1058.02
2	FID	ACIS-I-5	7.01	533	-0.217	0.061	0.007	0.012	0.000000	0.000000	-1818.33	1059.26
3	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
4	GUIDE	896015344	9.11	1065	0.185	0.011	0.086	0.140	265.913290	-26.611586	-45.19	-1231.97
5	GUIDE	896015880	8.50	1064	-0.282	0.077	0.101	0.185	265.986633	-26.306686	1048.73	-1484.07
6	GUIDE	895882464	8.81	1065	0.127	0.191	0.095	0.150	265.568948	-26.820420	-783.04	-117.19
7	GUIDE	895882200	10.50	1063	-0.027	-0.278	0.202	0.346	264.850515	-26.806095	-715.99	2191.51

2.4 Star Slots

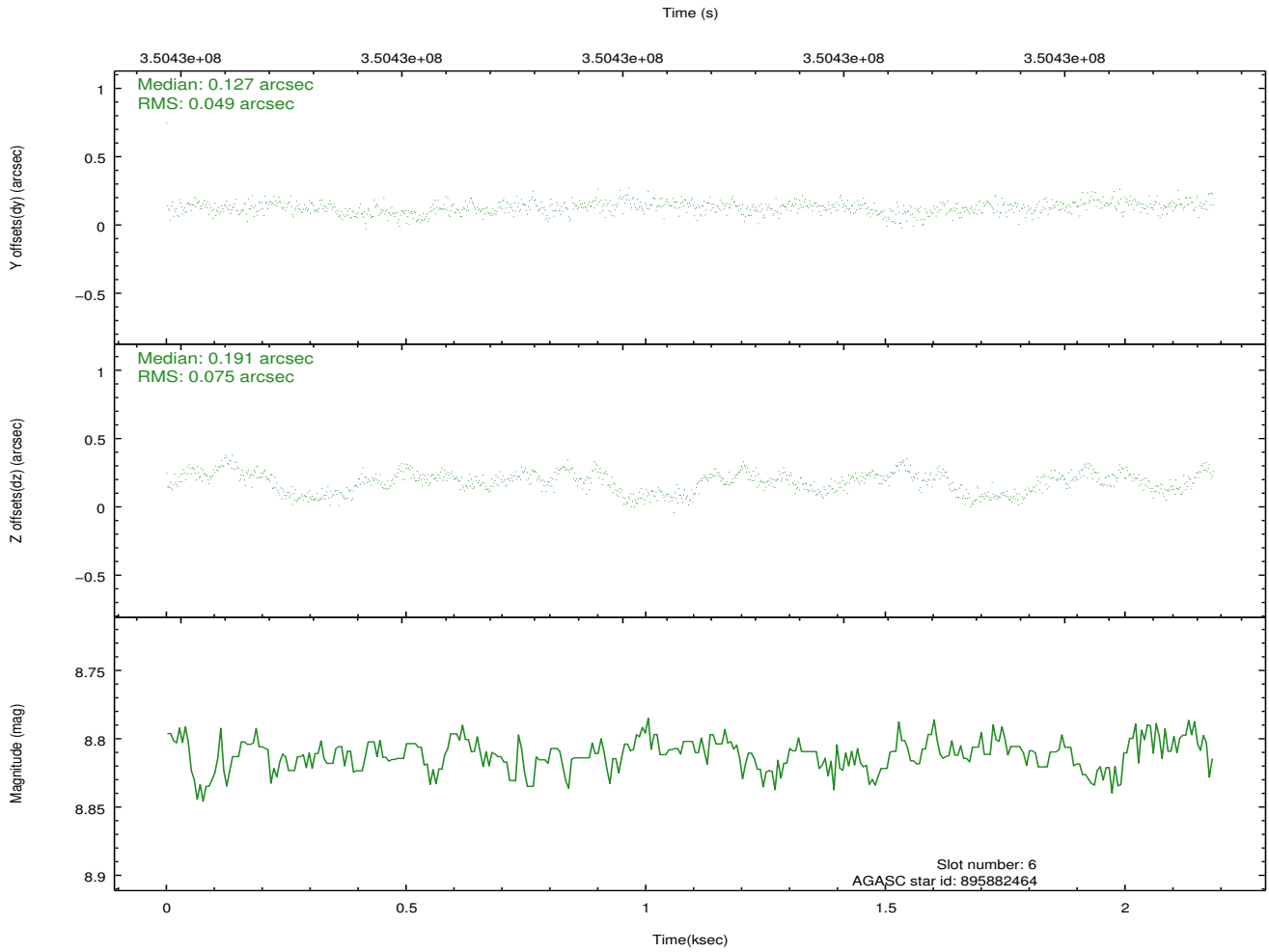
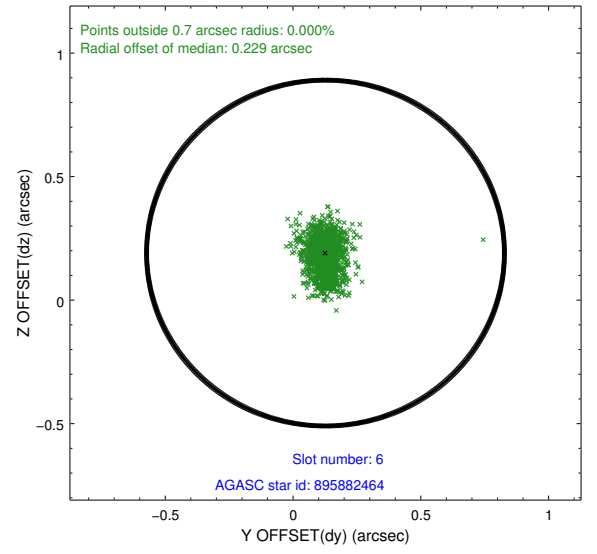
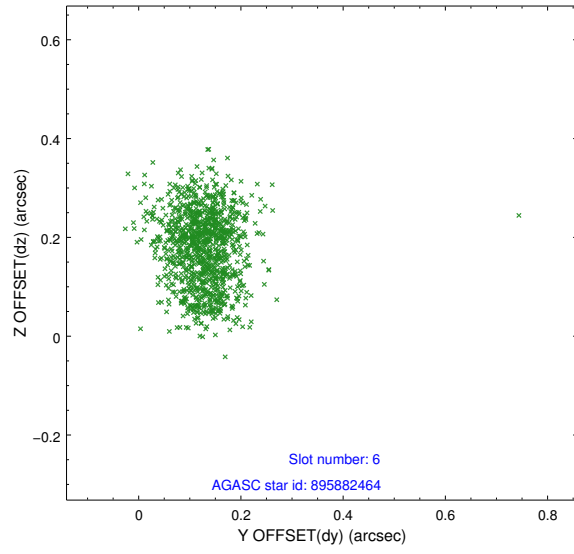
2.4.1 Slot 4



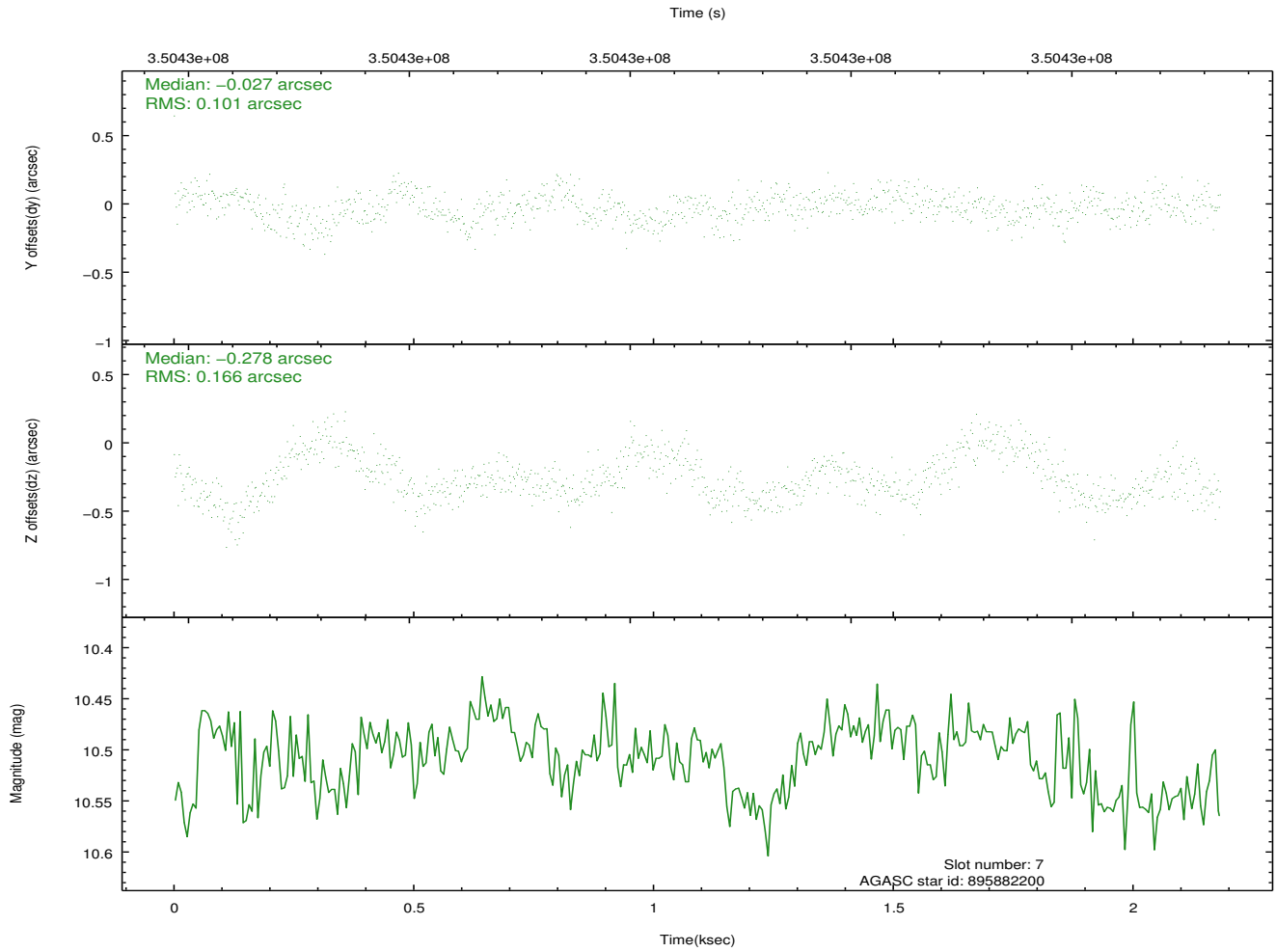
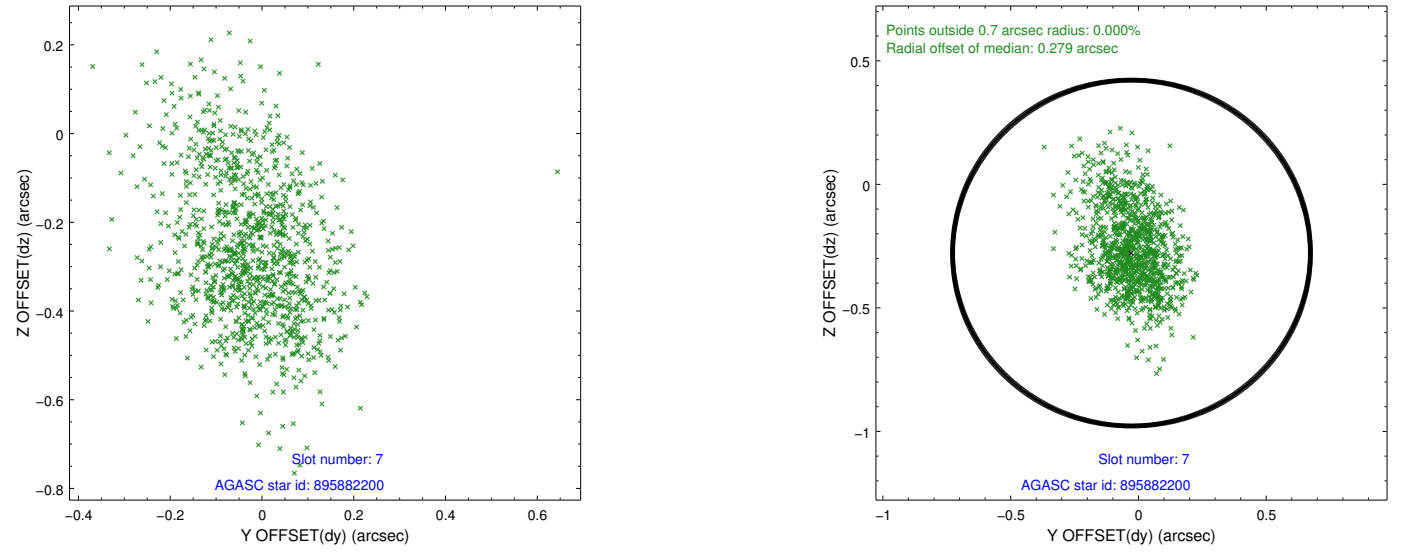
2.4.2 Slot 5



2.4.3 Slot 6

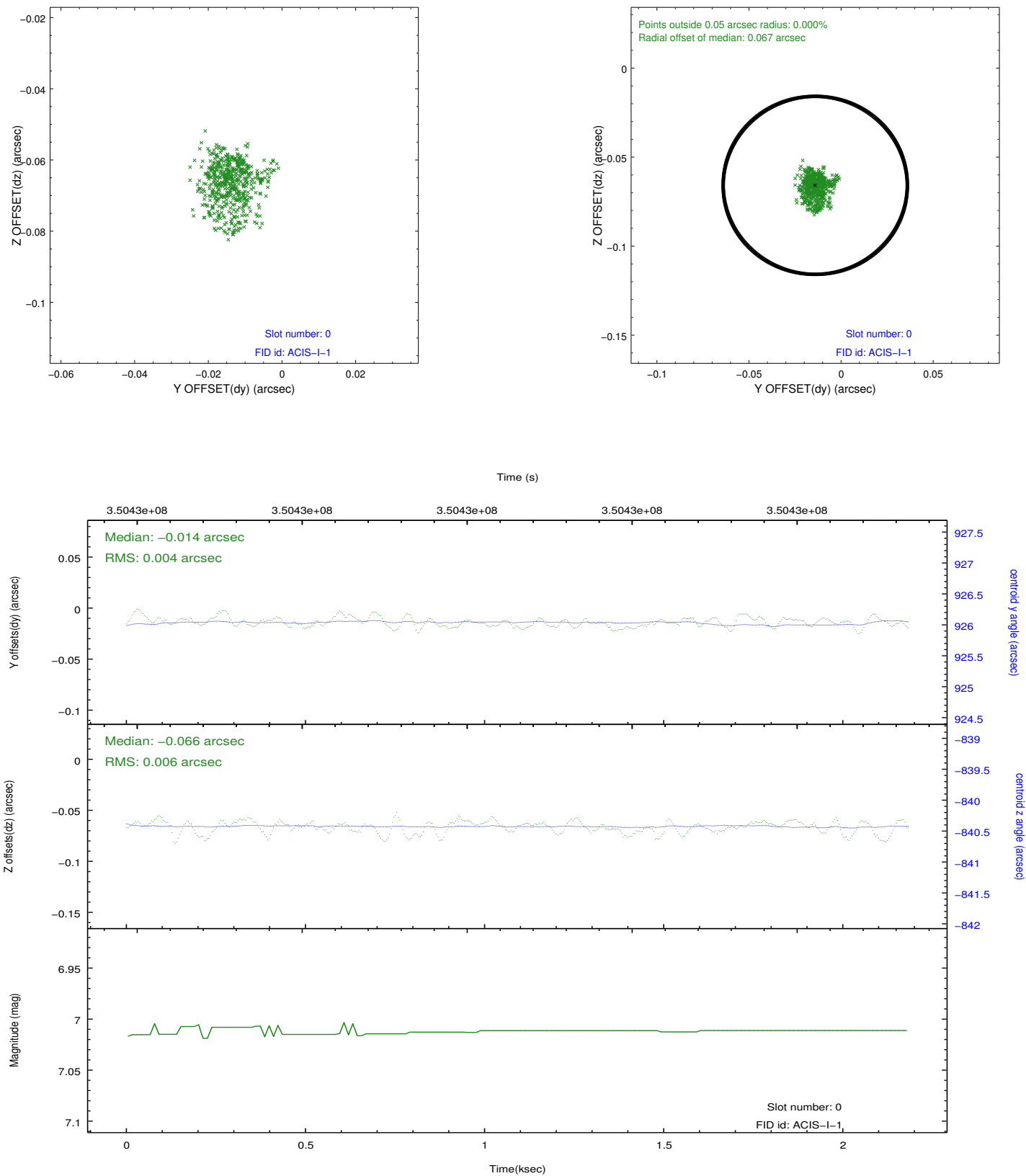


2.4.4 Slot 7

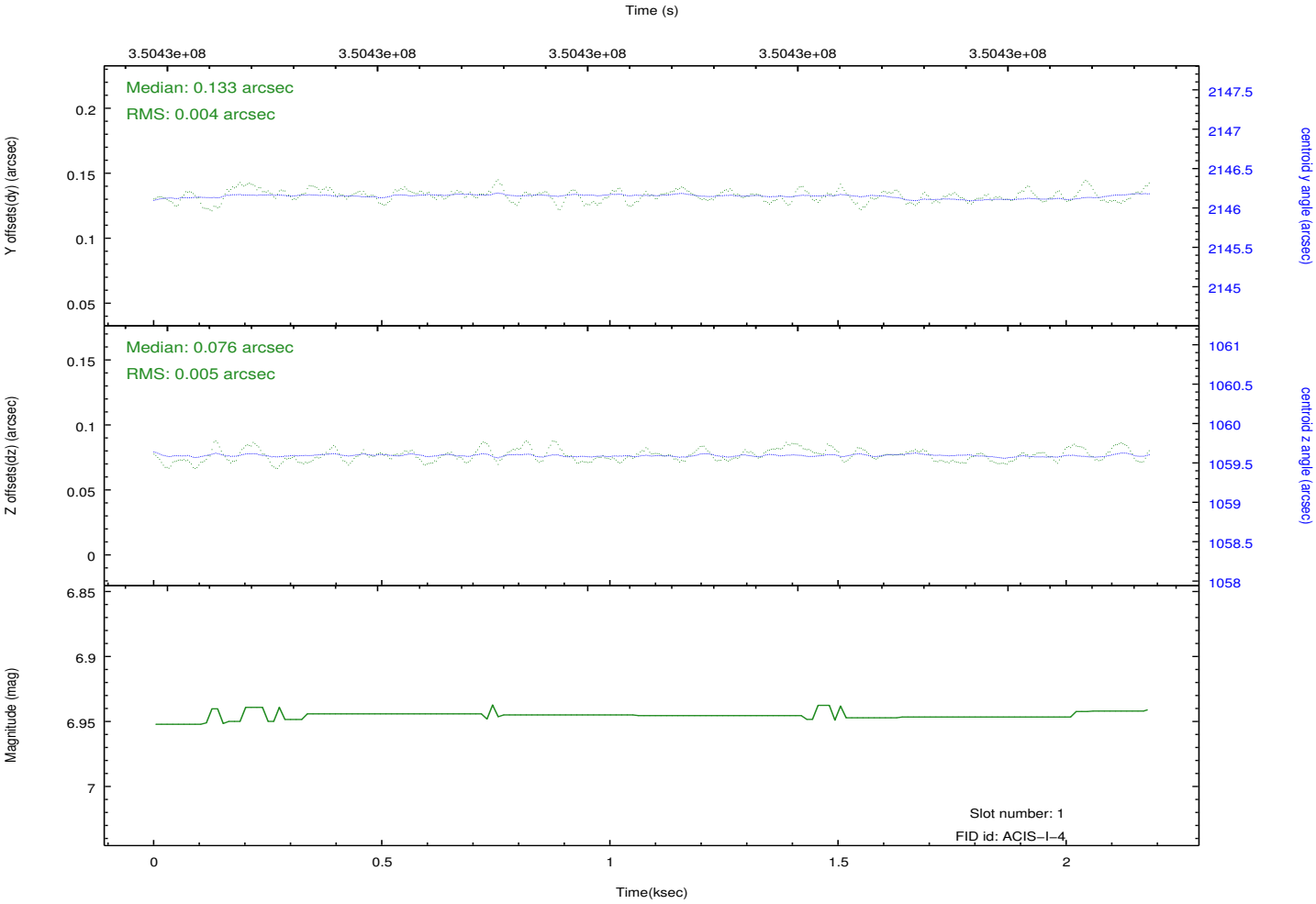
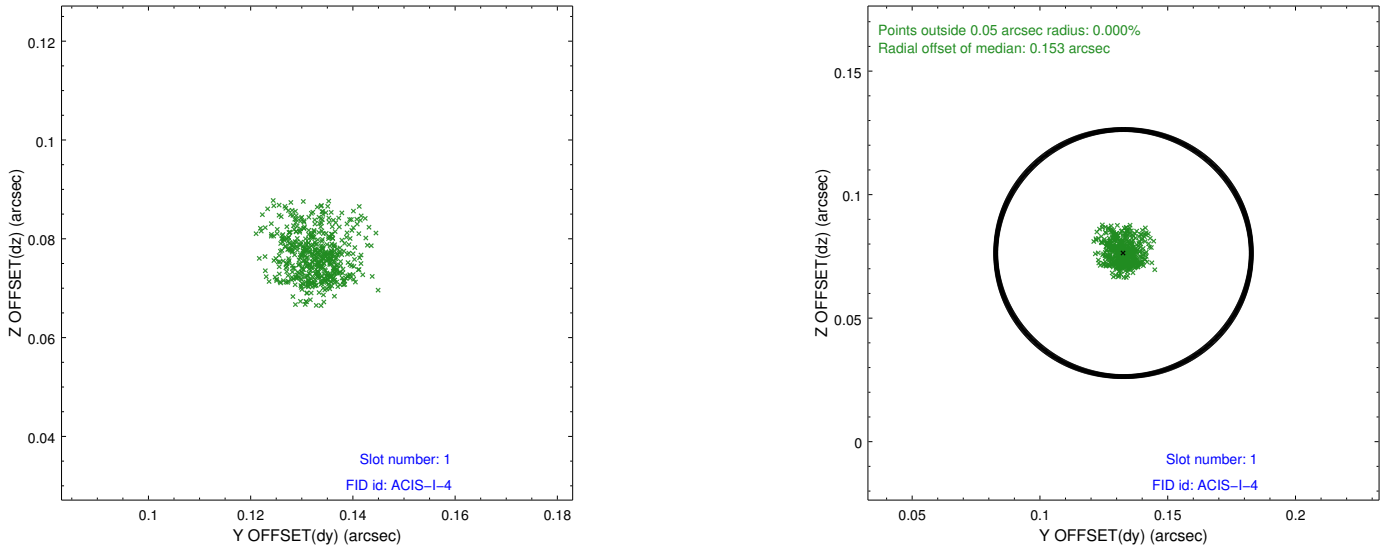


2.5 FID Slots

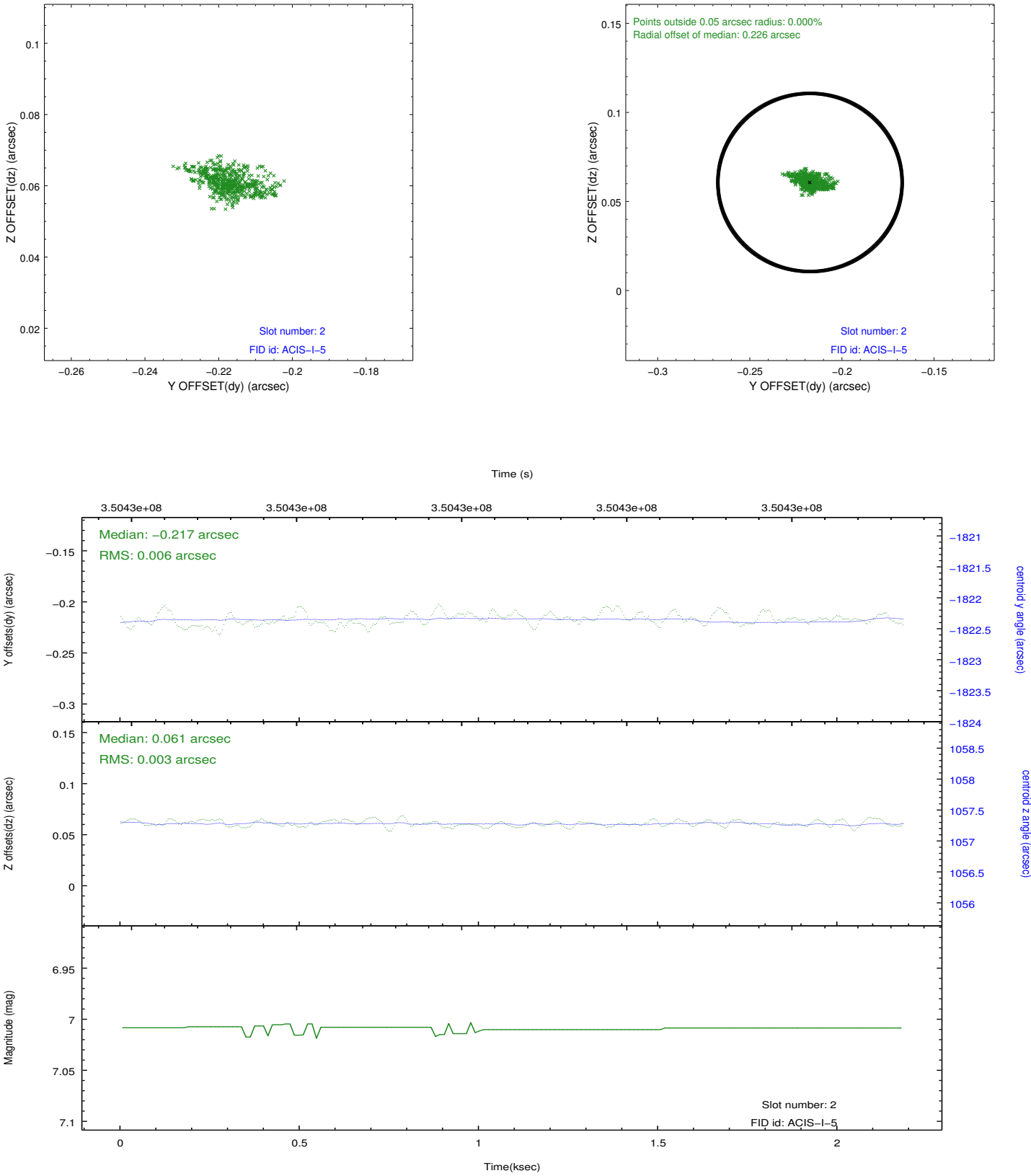
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal: NOAO. The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.