

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9025 - L2 Version 2
Chandra X-Ray Center

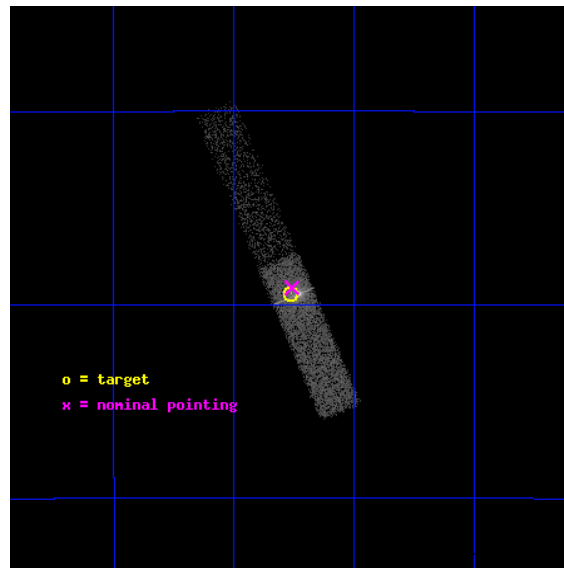
L2 Processing Date : May 16 2012

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1 Front

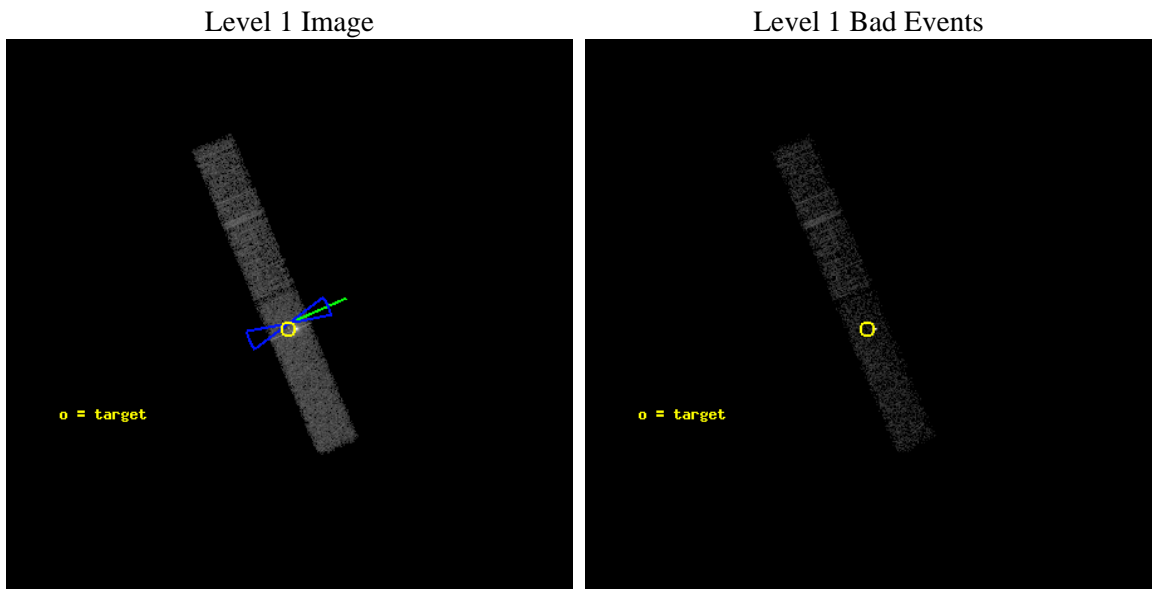
seq_num	400876	Sequence number
obs_id	9025	Observation id
title	The Nature of the Intermediate-Luminosity X-ray Sources in Globular Clusters	Proposal title
observer	Prof. Craig Heinke	Principal investigator
object	NGC 6652	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.940417	Observer's specified target RA [deg]
dec_targ	-32.990306	Observer's specified target Dec [deg]
ra_nom	278.93960360513	Nominal RA [deg]
dec_nom	-32.985457926071	Nominal Dec [deg]
roll_nom	67.12438203395	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5182.1998627186	Sum of GTIs [s]
livetime	4956.1972673284	Livetime [s]
ontime6	5182.1998627186	Sum of GTIs [s]
ontime7	5182.1998627186	Sum of GTIs [s]
l2events	16291	Number of level 2 events



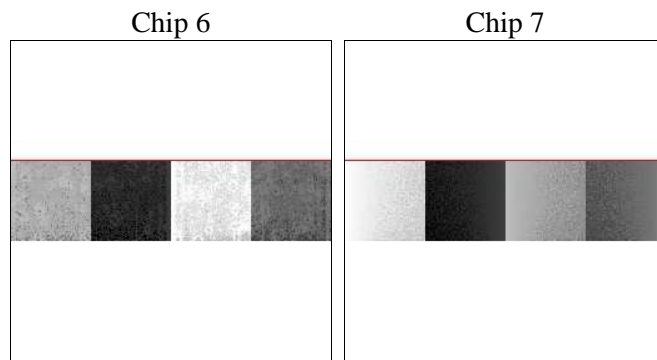
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5182.1998627186	Sum of GTIs [s]
caldbver	4.4.9	 	ontime6	5182.1998627186	Sum of GTIs [s]
date	2012-05-16T04:09:49	Date and time of file creation	ontime7	5182.1998627186	Sum of GTIs [s]
revision	2	Processing version of data	l1events	47442	Number of level 1 events

2.1.4 Events

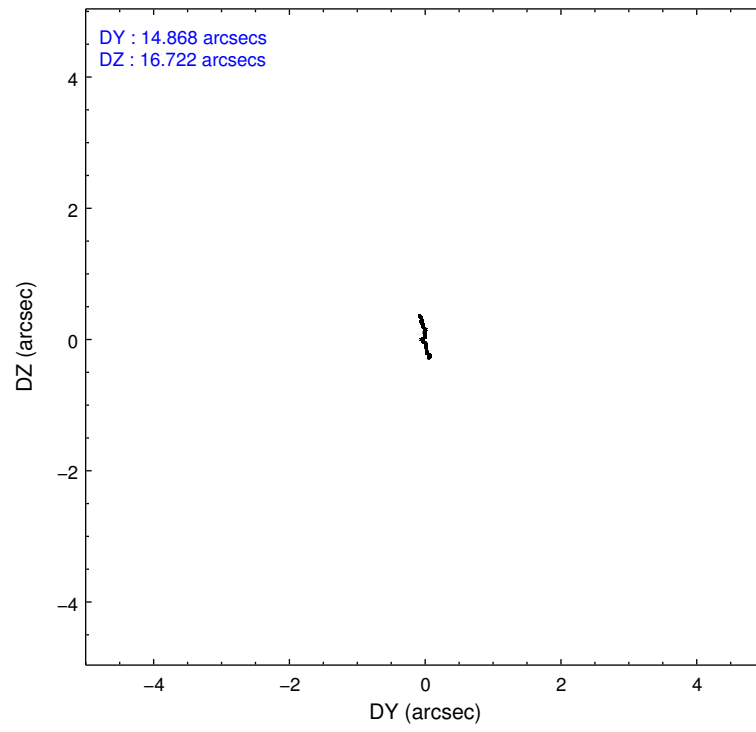
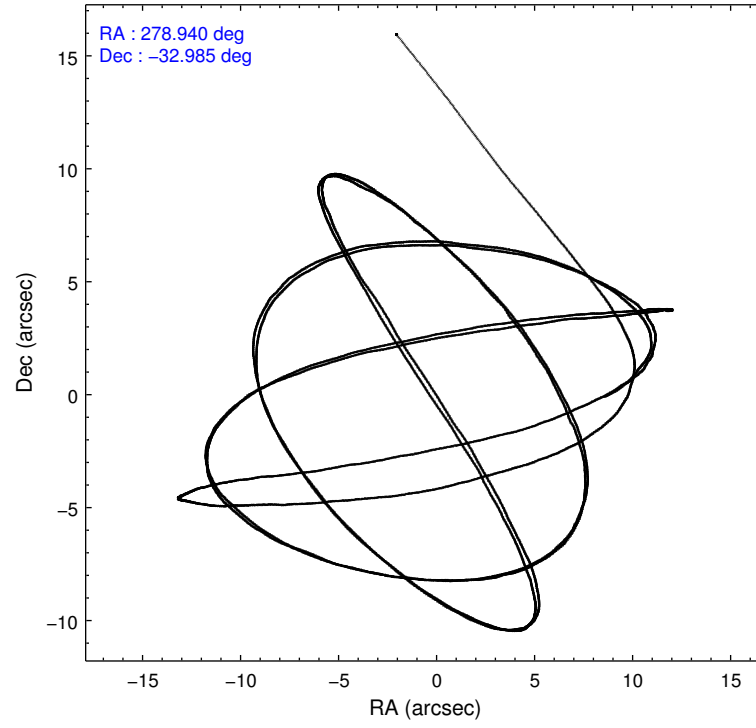
	ccd 6	ccd 7
level 1 events	17191	30251
rejected events	15281	14989
rejected %	88%	49%

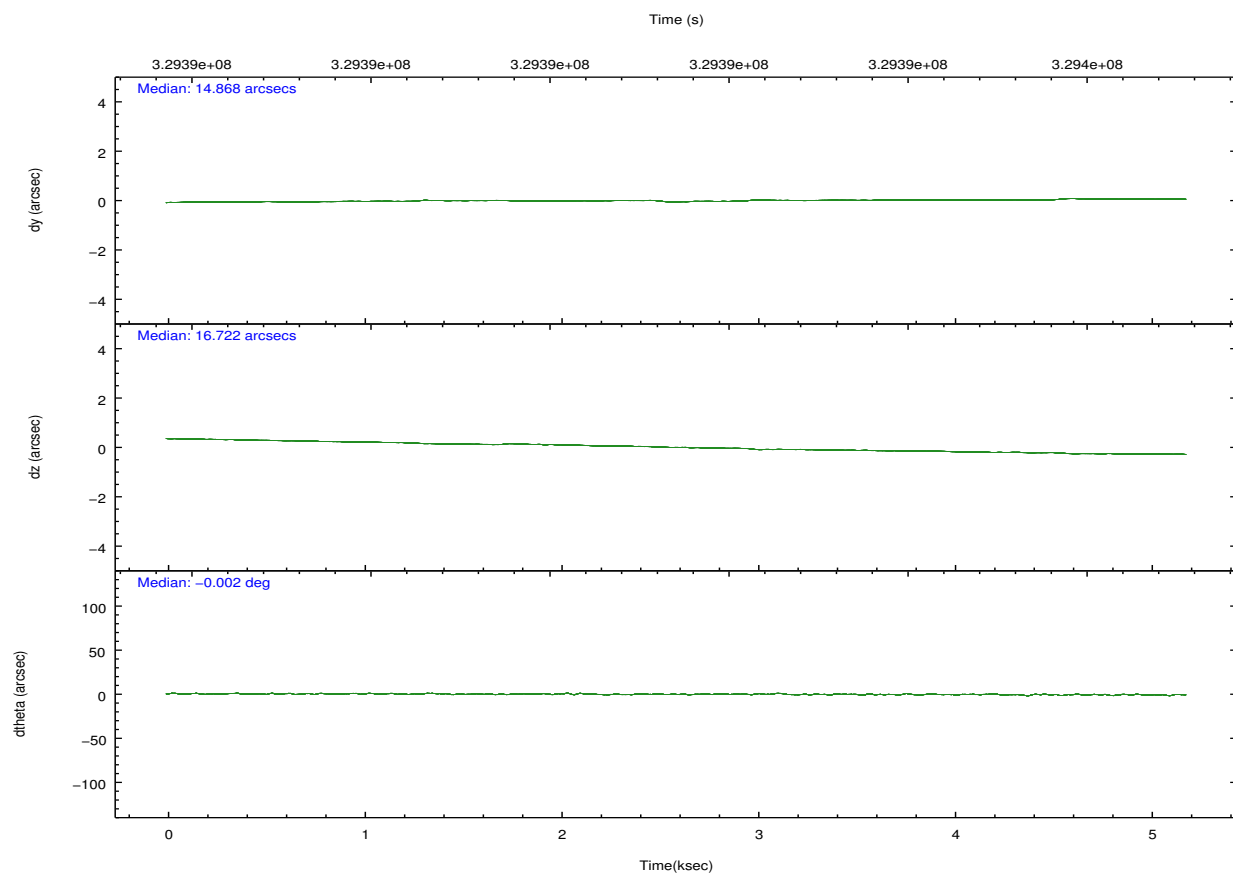
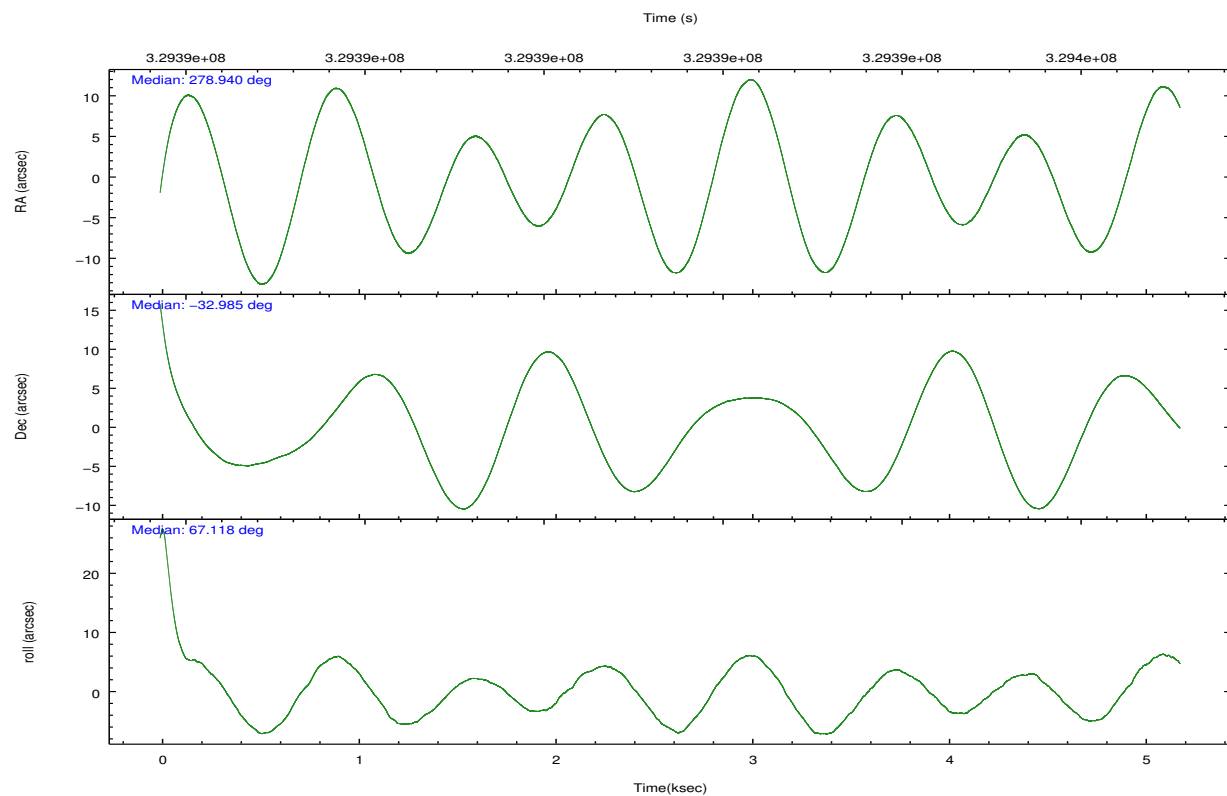
	ccd 6	ccd 7
grade 0 events	1107	2648
	6%	8%
grade 1 events	33	160
	0%	0%
grade 2 events	449	3645
	2%	12%
grade 3 events	310	1838
	1%	6%
grade 4 events	291	1803
	1%	5%
grade 5 events	717	2477
	4%	8%
grade 6 events	385	6671
	2%	22%
grade 7 events	13899	11009
	80%	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	278.944020	278.9396036051269	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-33.012603	-32.98545792607106	Subarray start row	385	385
[deg] Pointing Roll	66.970090	67.12438203394996	Subarray row count	256	256
[deg] Roll angle	66.500000	66.500000	Alternating exposures requested	N	N
[deg] Roll tolerance	13.500000	13.500000	[s] Primary exposure time	0.000000	0.9
Roll constraint allows 180D rotation	Y	Y			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	329390282.184000	329389280.20174			
Observation start date	2008-06-09T09:16:57	2008-06-09T09:01:20			
[s] Observation end time (MET)	329395282.184000	329395987.28957			
Observation end date	2008-06-09T10:40:17	2008-06-09T10:53:07			
Read mode	TIMED	TIMED			

2.3 Aspect



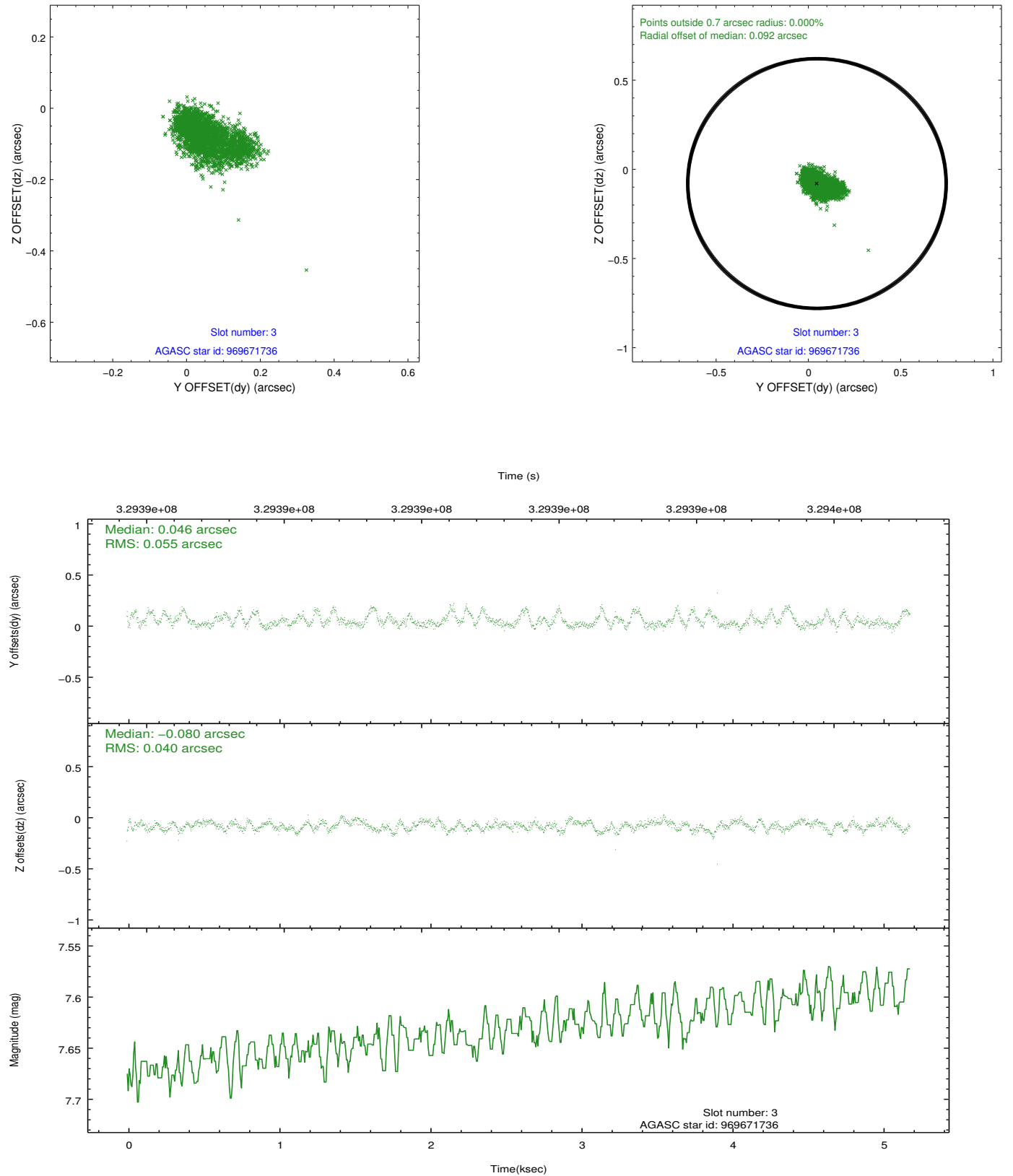


Slot Statistics

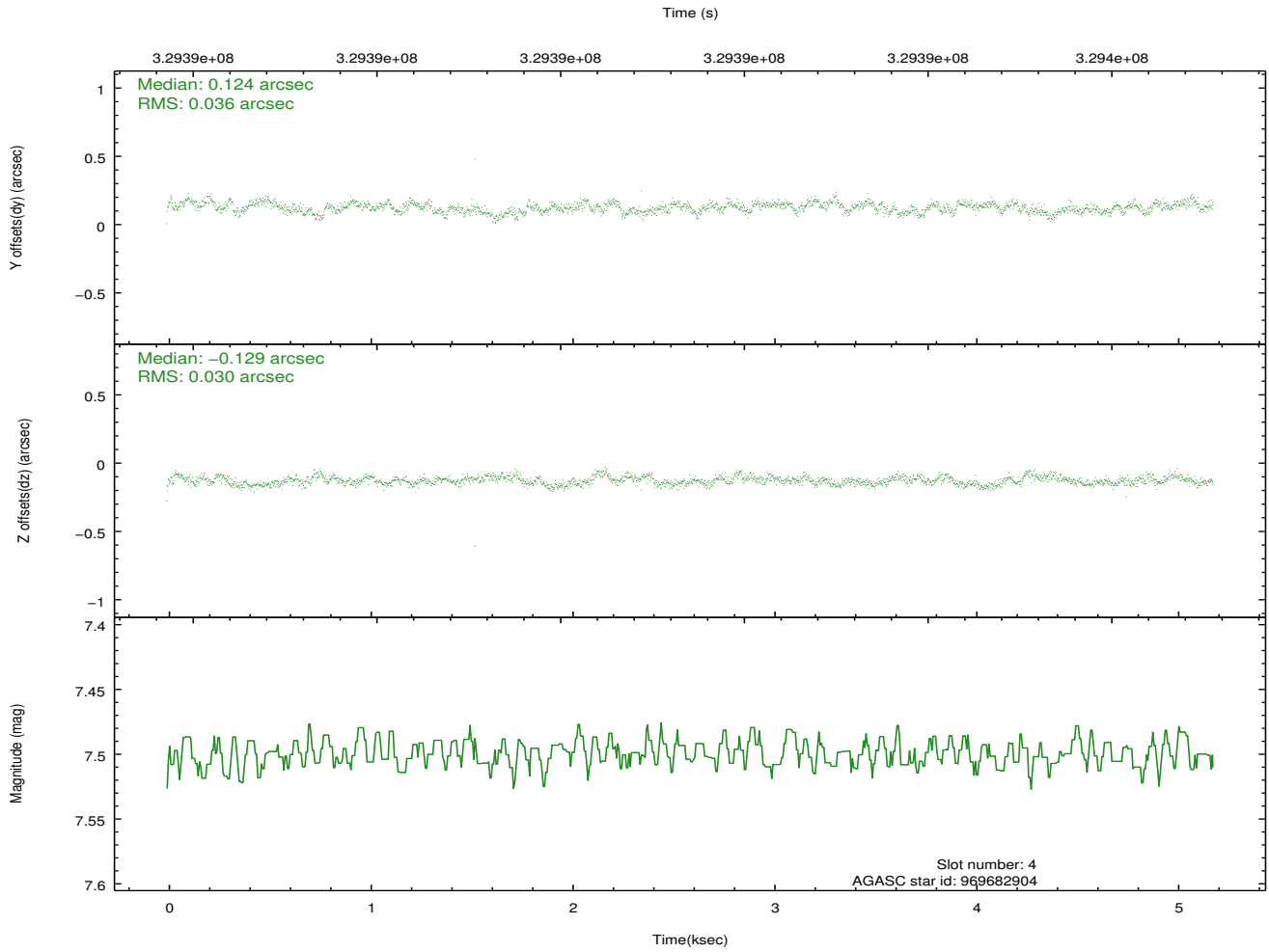
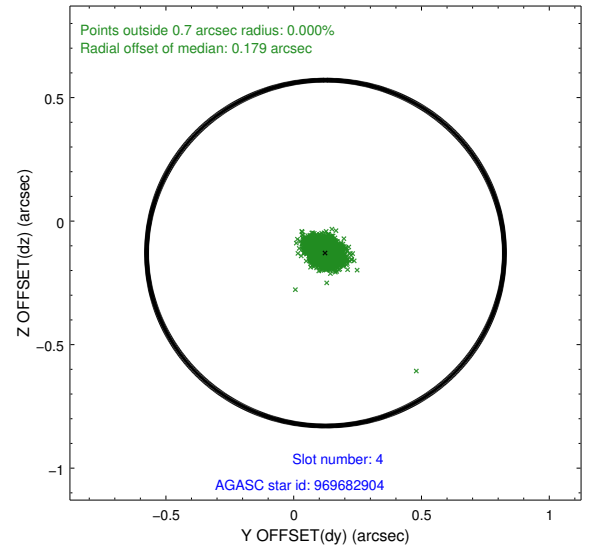
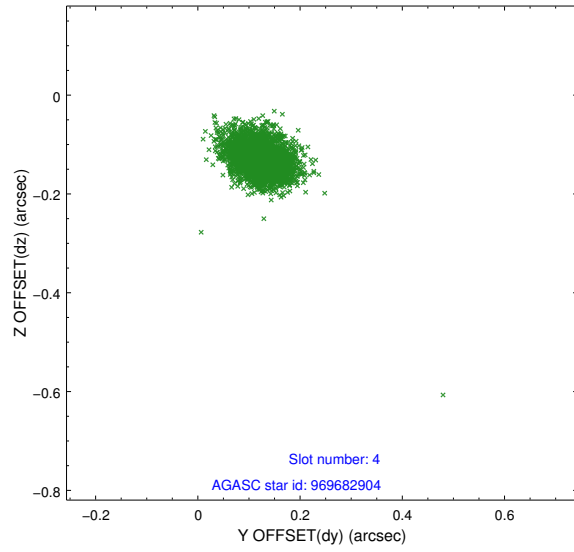
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	1265	-0.075	-0.037	0.006	0.011	0.000000	0.000000	-767.96	-1738.17
1	FID	ACIS-S-4	6.95	1265	0.079	0.043	0.006	0.010	0.000000	0.000000	2144.99	169.08
2	FID	ACIS-S-6	7.09	1265	-0.032	0.001	0.007	0.012	0.000000	0.000000	395.64	807.82
3	GUIDE	969671736	7.63	2530	0.046	-0.080	0.071	0.121	278.521339	-32.961135	-331.51	1246.58
4	GUIDE	969682904	7.50	2530	0.124	-0.129	0.048	0.078	278.298892	-33.428263	-2141.16	1196.47
5	GUIDE	969683232	7.63	2530	0.109	0.119	0.055	0.087	278.971327	-33.175159	-507.36	-303.85
6	GUIDE	971419368	8.73	2529	-0.183	-0.045	0.064	0.104	279.318234	-32.607643	1783.34	-474.58
7	GUIDE	971423352	7.50	2529	-0.106	0.135	0.061	0.095	279.582511	-32.685816	1833.80	-1322.54

2.4 Star Slots

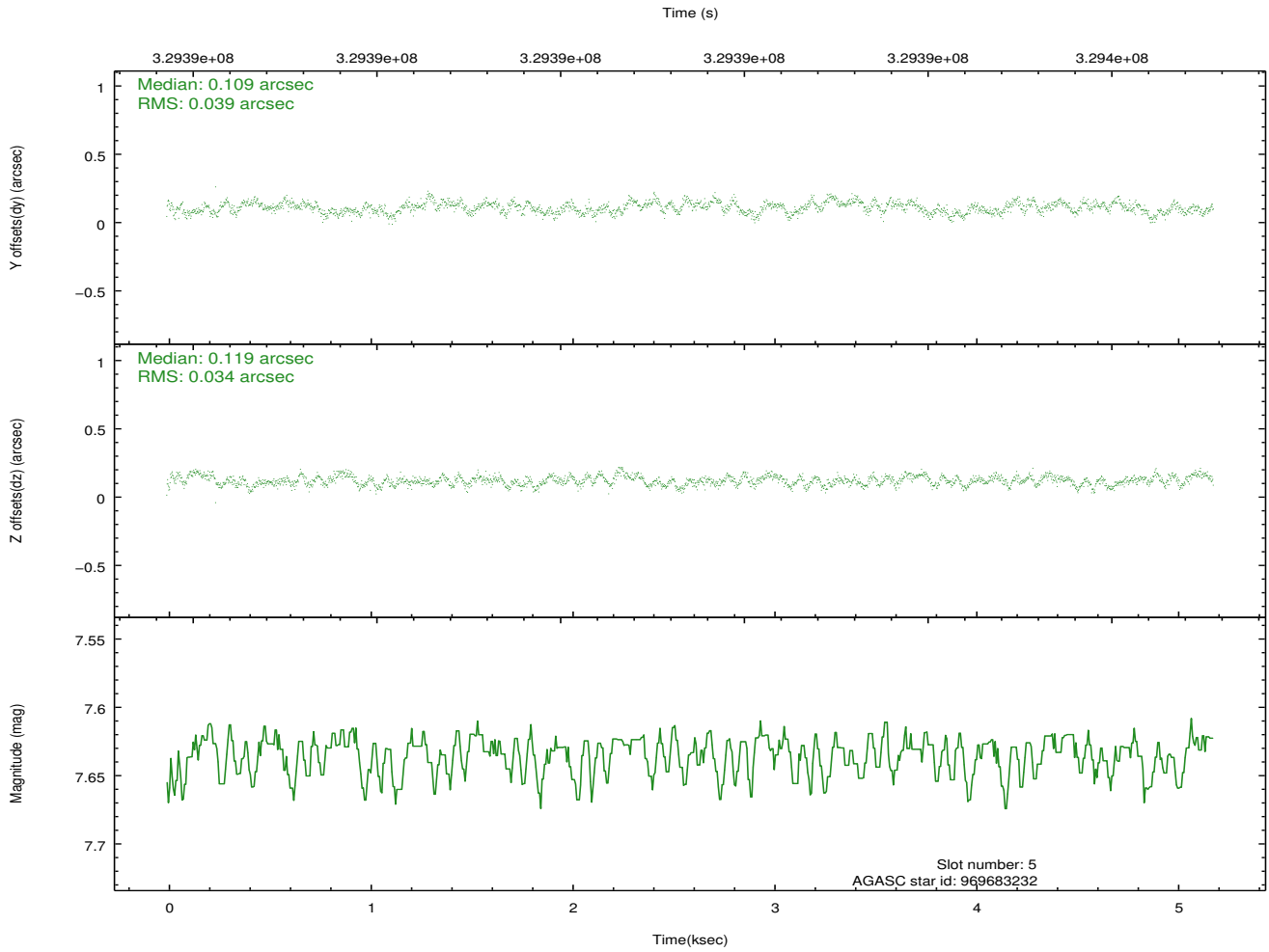
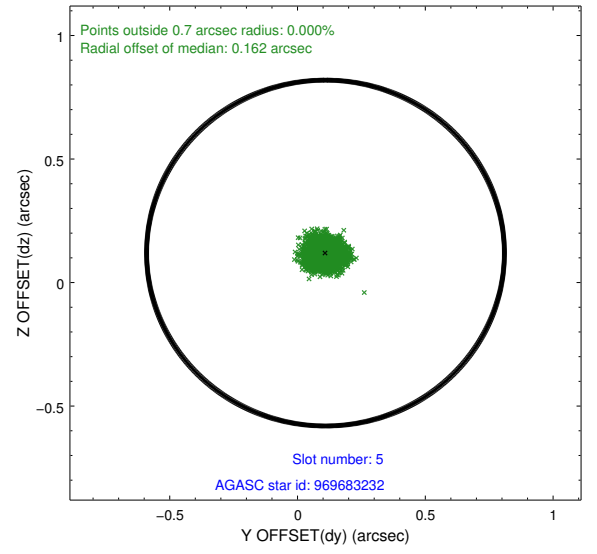
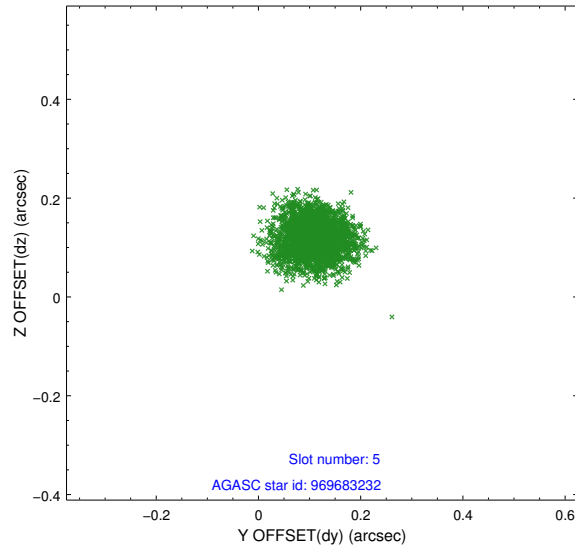
2.4.1 Slot 3



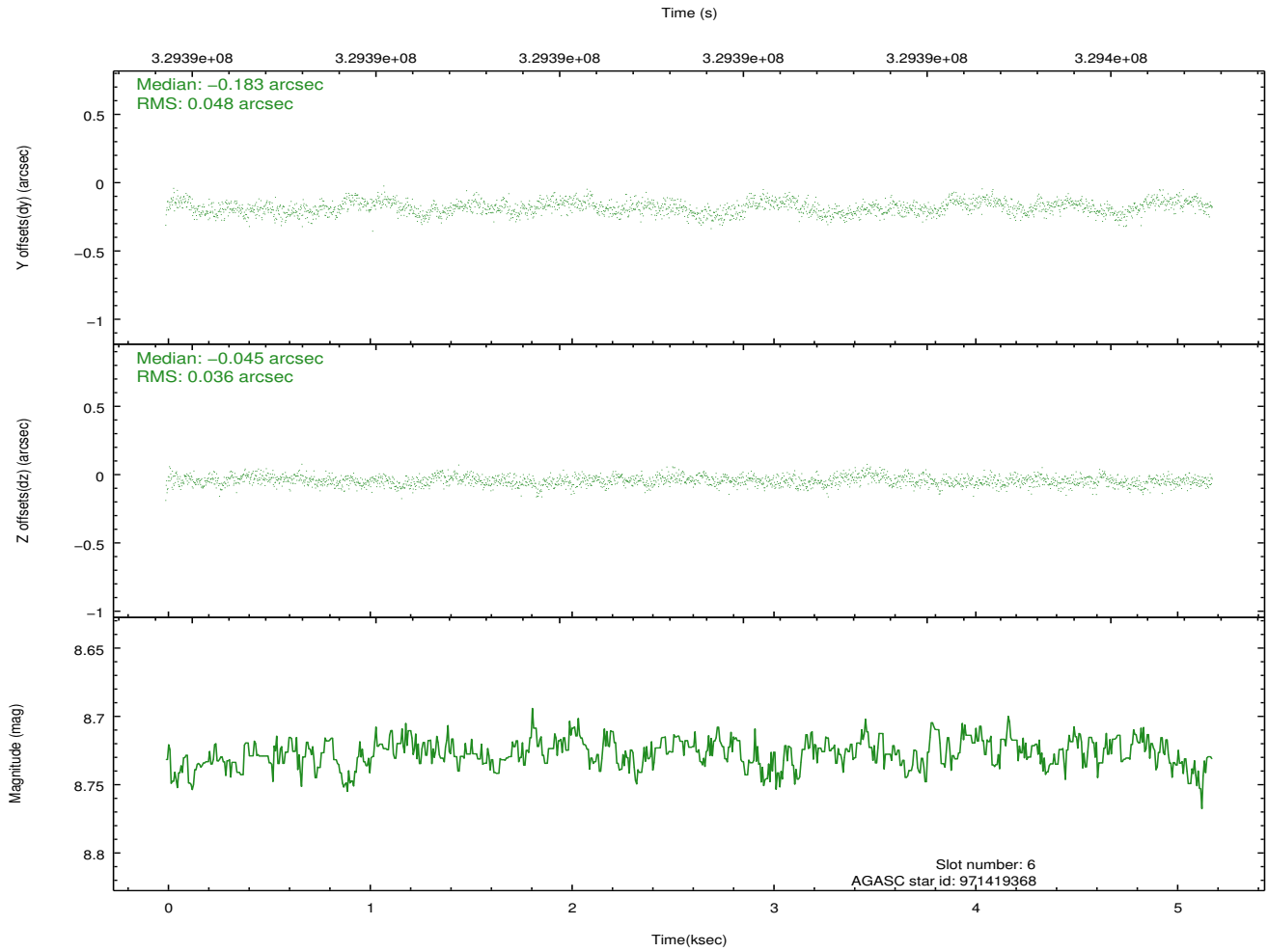
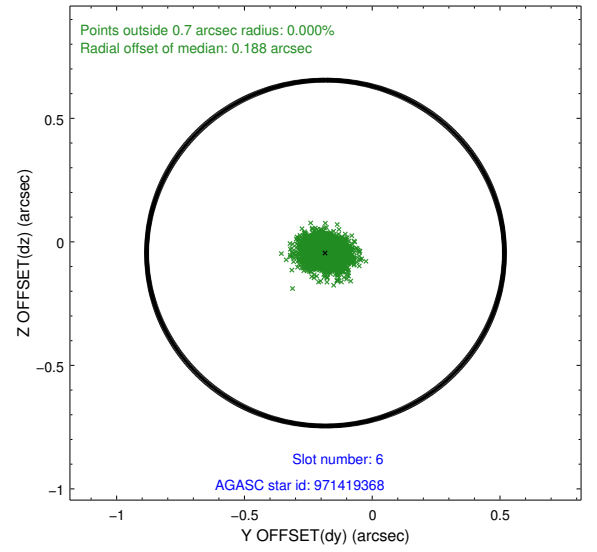
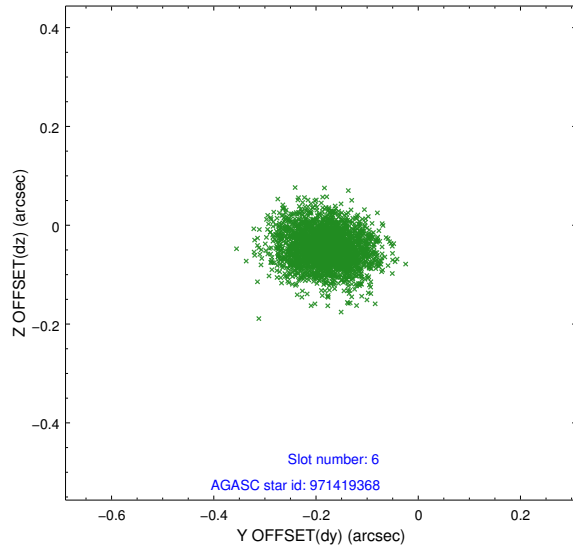
2.4.2 Slot 4



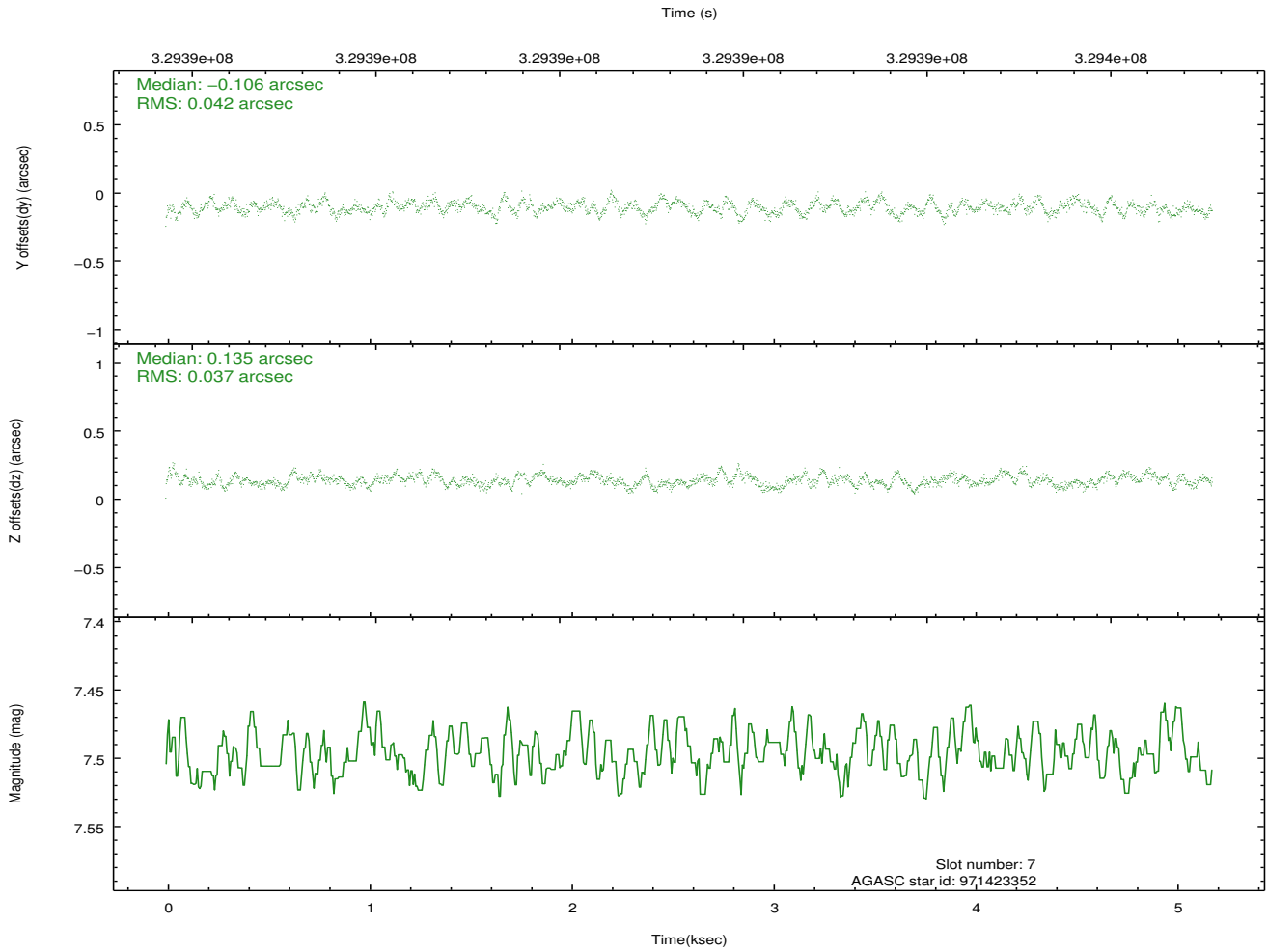
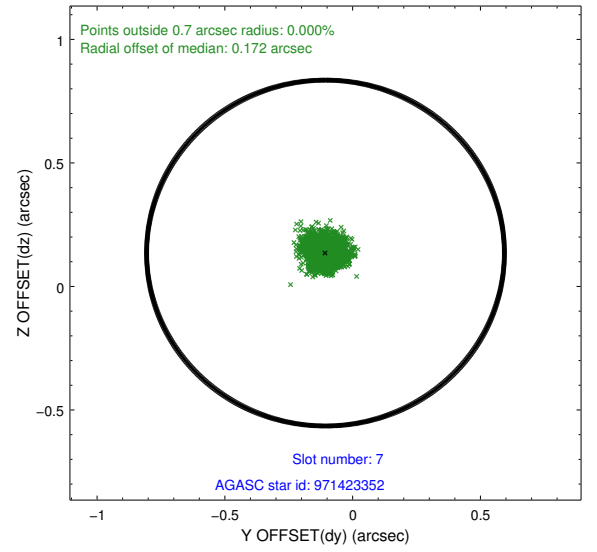
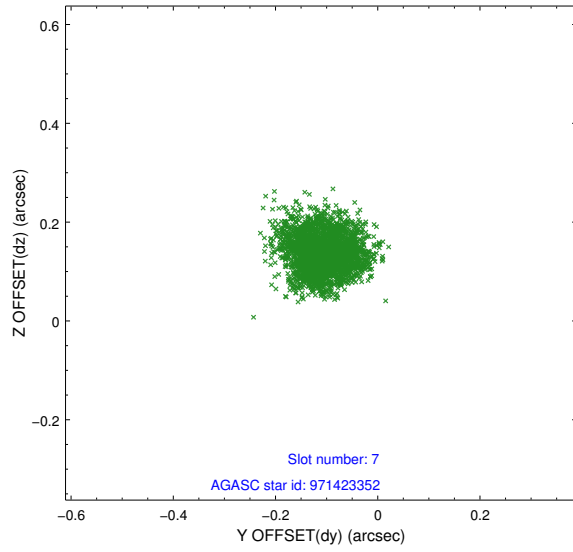
2.4.3 Slot 5



2.4.4 Slot 6

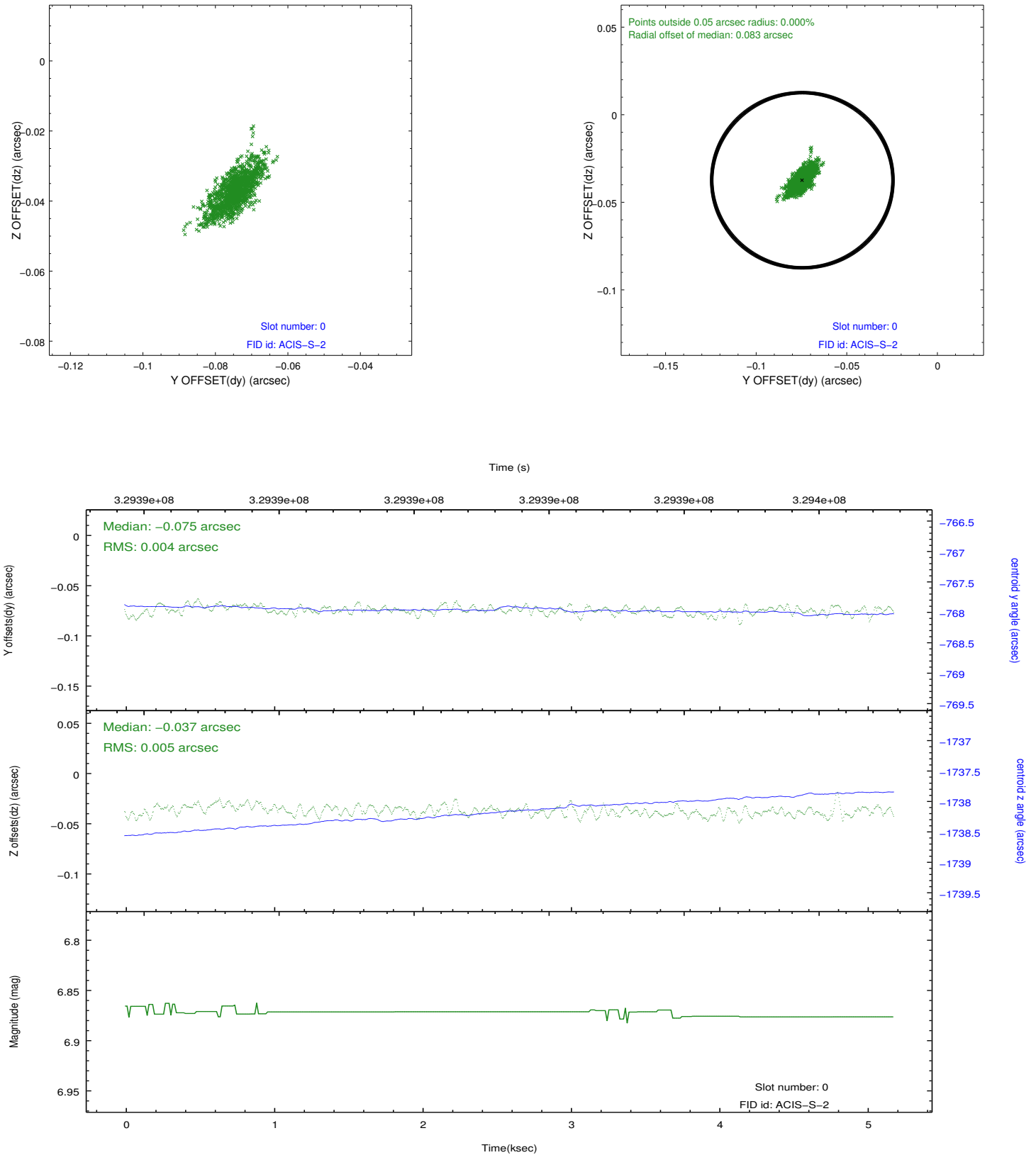


2.4.5 Slot 7

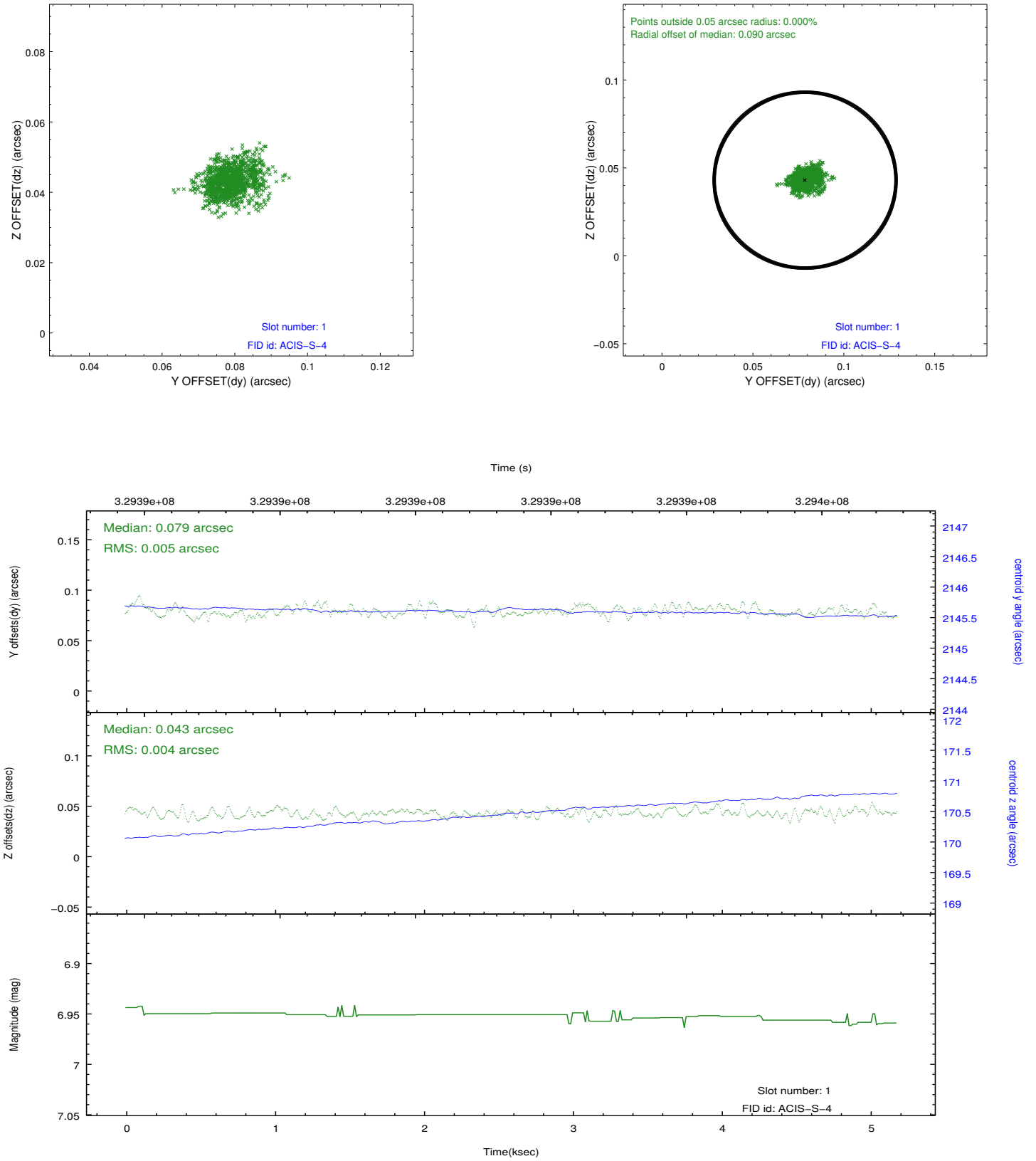


2.5 FID Slots

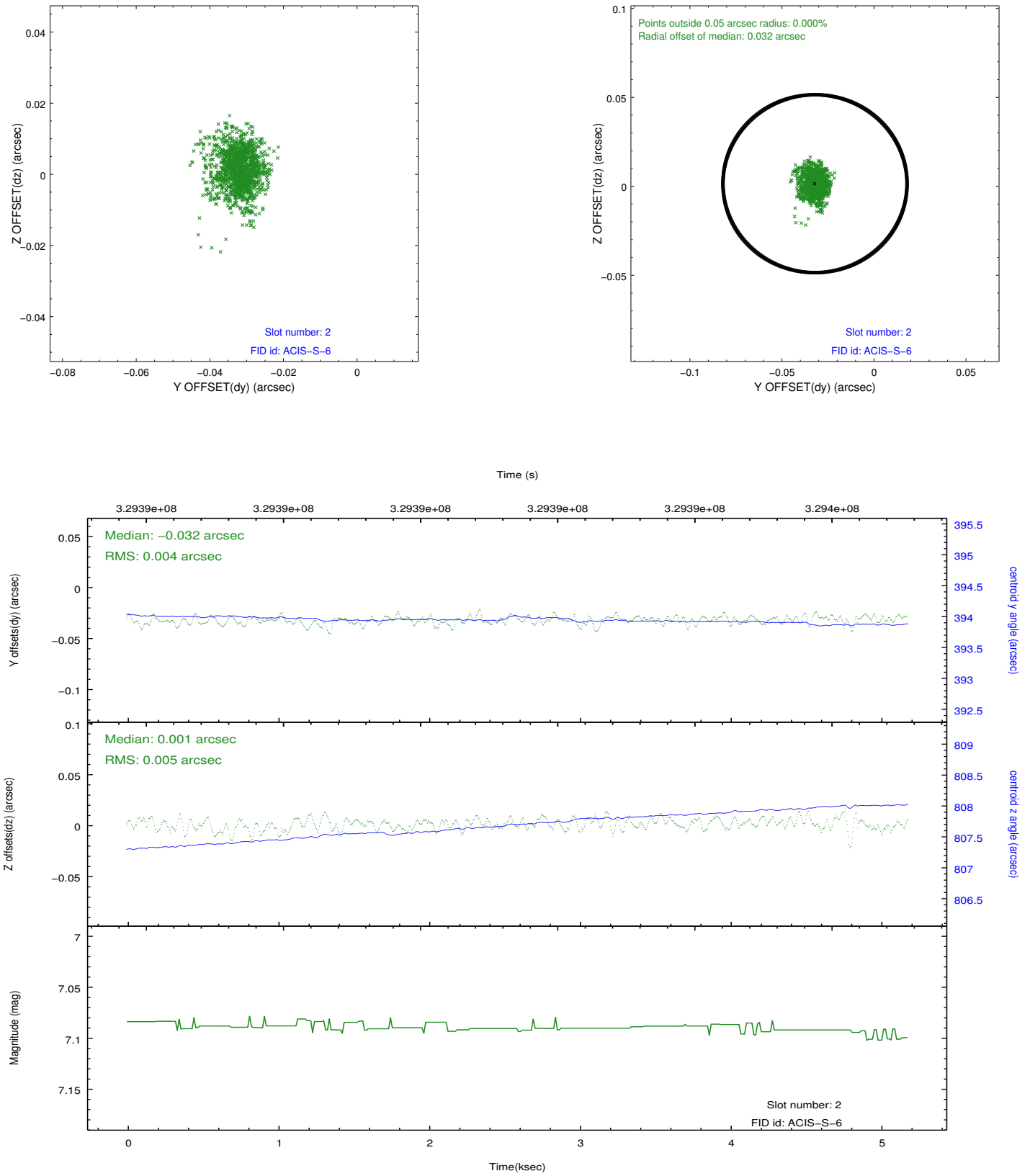
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18219986

A.2 Comments

Roll preference met.