

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12170 - L2 Version 2
Chandra X-Ray Center

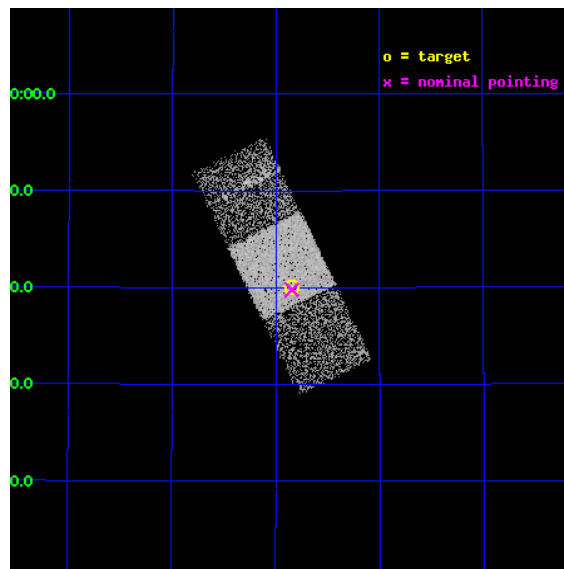
L2 Processing Date : Jul 1 2012

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1 Front

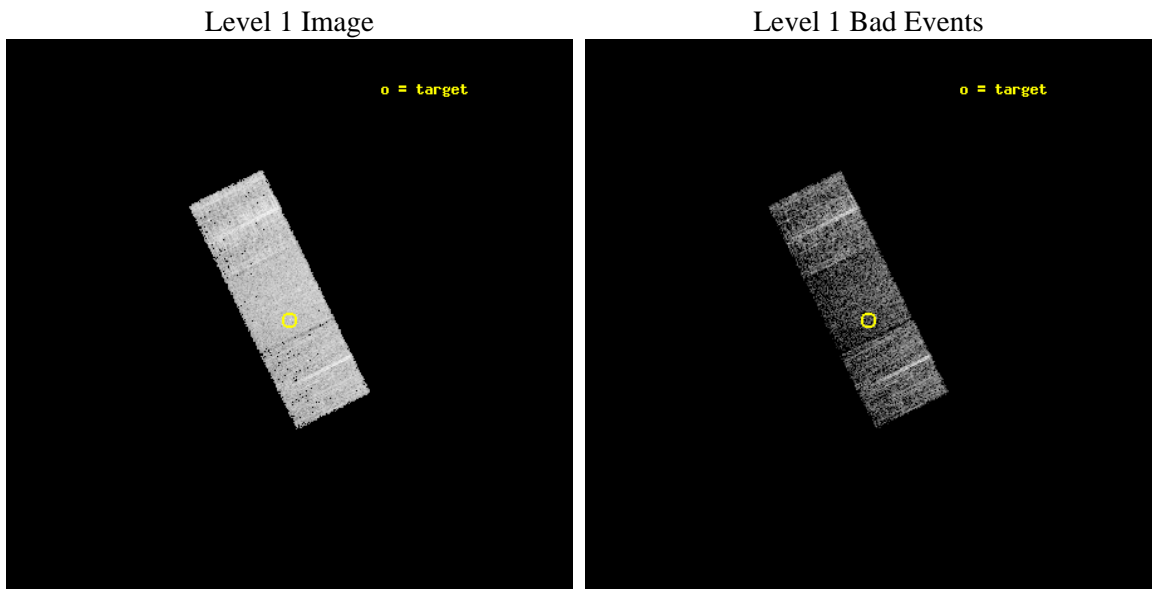
seq_num	702334	Sequence number
obs_id	12170	Observation id
title	Remarkable High-Redshift Quasars from the Sloan Digital Sky Survey	
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1639+4340	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.960417	Observer's specified target RA [deg]
dec_targ	43.667667	Observer's specified target Dec [deg]
ra_nom	249.96106168894	Nominal RA [deg]
dec_nom	43.662829302966	Nominal Dec [deg]
roll_nom	243.86196665937	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4061.0000312328	Sum of GTIs [s]
livetime	4007.94007616	Livetime [s]
ontime6	4057.8590409756	Sum of GTIs [s]
ontime7	4061.0000312328	Sum of GTIs [s]
ontime8	4061.0000312328	Sum of GTIs [s]
l2events	19467	Number of level 2 events



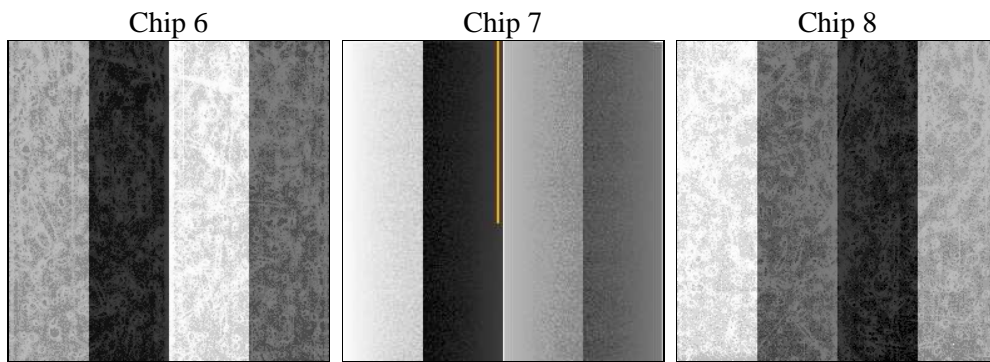
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4061.0000312328	Sum of GTIs [s]
caldsver	4.5.0	 	ontime6	4057.8590409756	Sum of GTIs [s]
date	2012-07-01T15:51:47	Date and time of file creation	ontime7	4061.0000312328	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	4061.0000312328	Sum of GTIs [s]
			l1events	89053	Number of level 1 events

2.1.4 Events

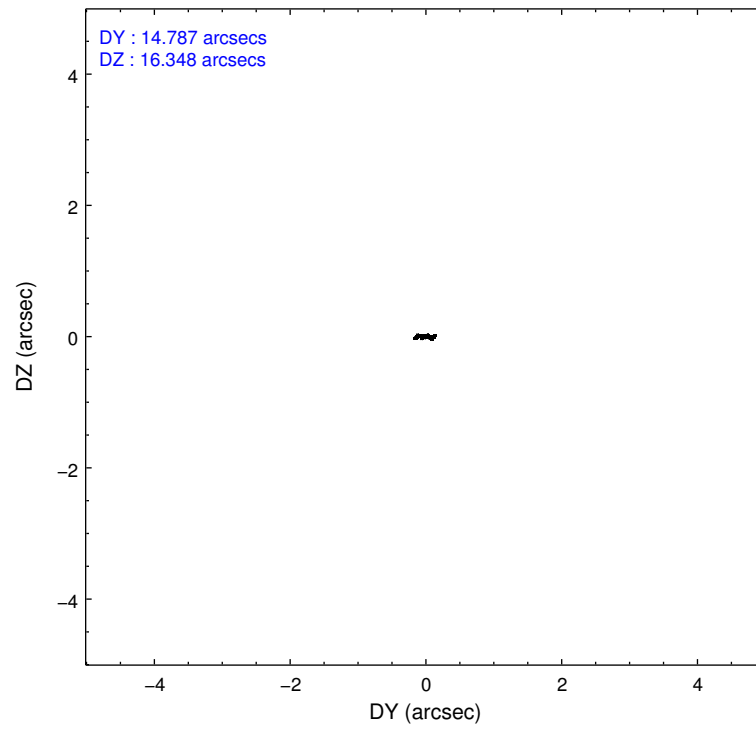
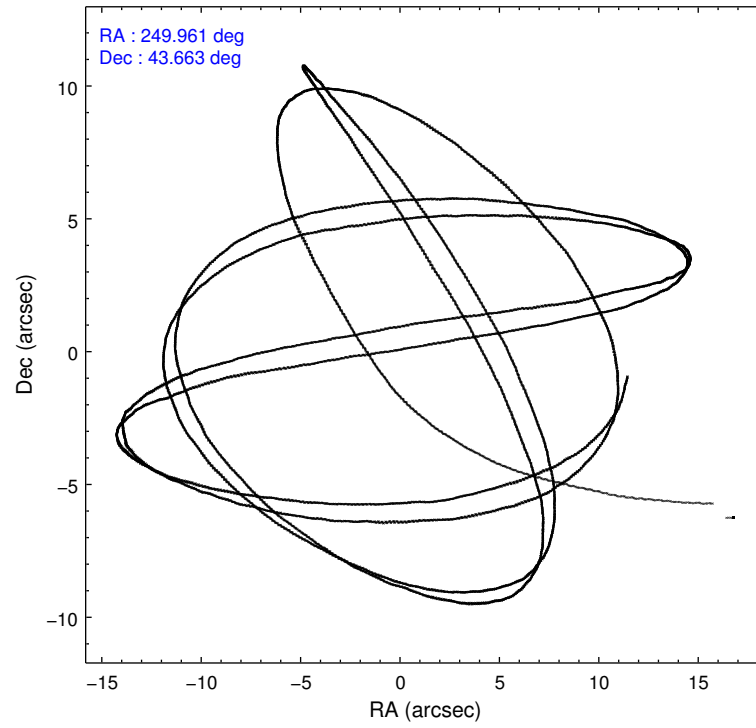
	ccd 6	ccd 7	ccd 8
level 1 events	26081	28529	34443
rejected events	22998	14396	25069
rejected %	88%	50%	72%

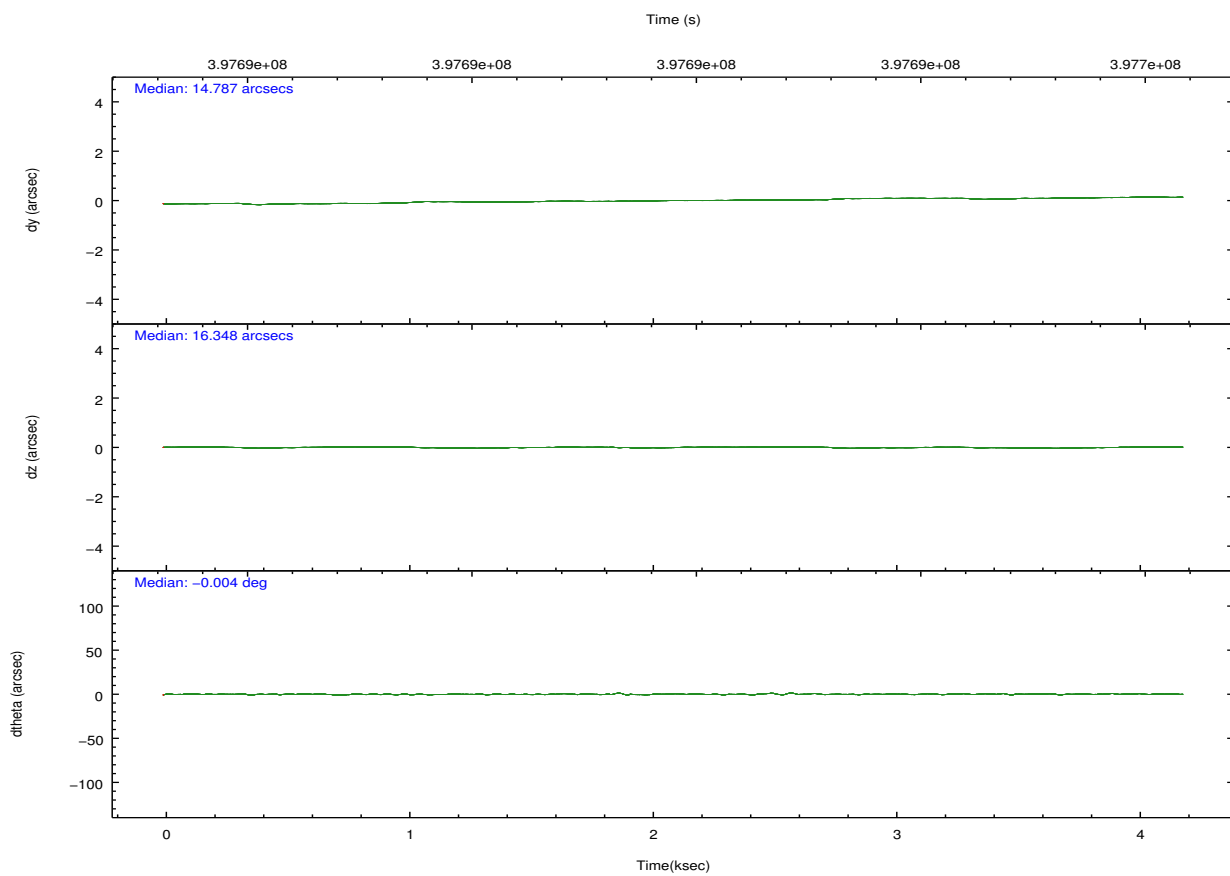
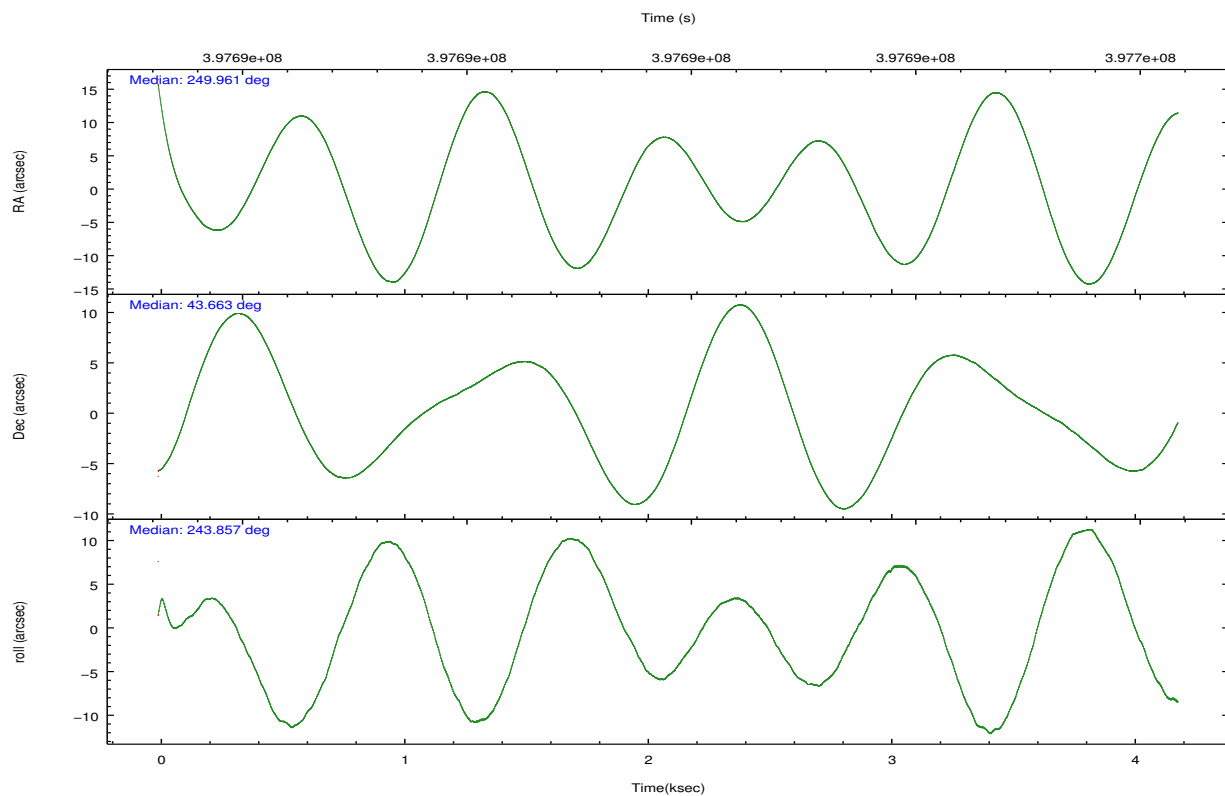
	ccd 6	ccd 7	ccd 8
grade 0 events	1196	1415	2702
	4%	4%	7%
grade 1 events	12	47	37
	0%	0%	0%
grade 2 events	658	2996	2219
	2%	10%	6%
grade 3 events	291	1332	1027
	1%	4%	2%
grade 4 events	308	1300	984
	1%	4%	2%
grade 5 events	1033	2987	1507
	3%	10%	4%
grade 6 events	633	7098	2444
	2%	24%	7%
grade 7 events	21950	11354	23523
	84%	39%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	249.958002	249.9610616889418	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.690091	43.66282930296553	Alternating exposures requested	N	N
[deg] Pointing Roll	243.707422	243.8619666593688	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	397690992.184000	397689286.11531			
Observation start date	2010-08-08T21:42:06	2010-08-08T21:14:46			
[s] Observation end time (MET)	397694992.184000	397695893.77815			
Observation end date	2010-08-08T22:48:46	2010-08-08T23:04:53			
Read mode	TIMED	TIMED			

2.3 Aspect



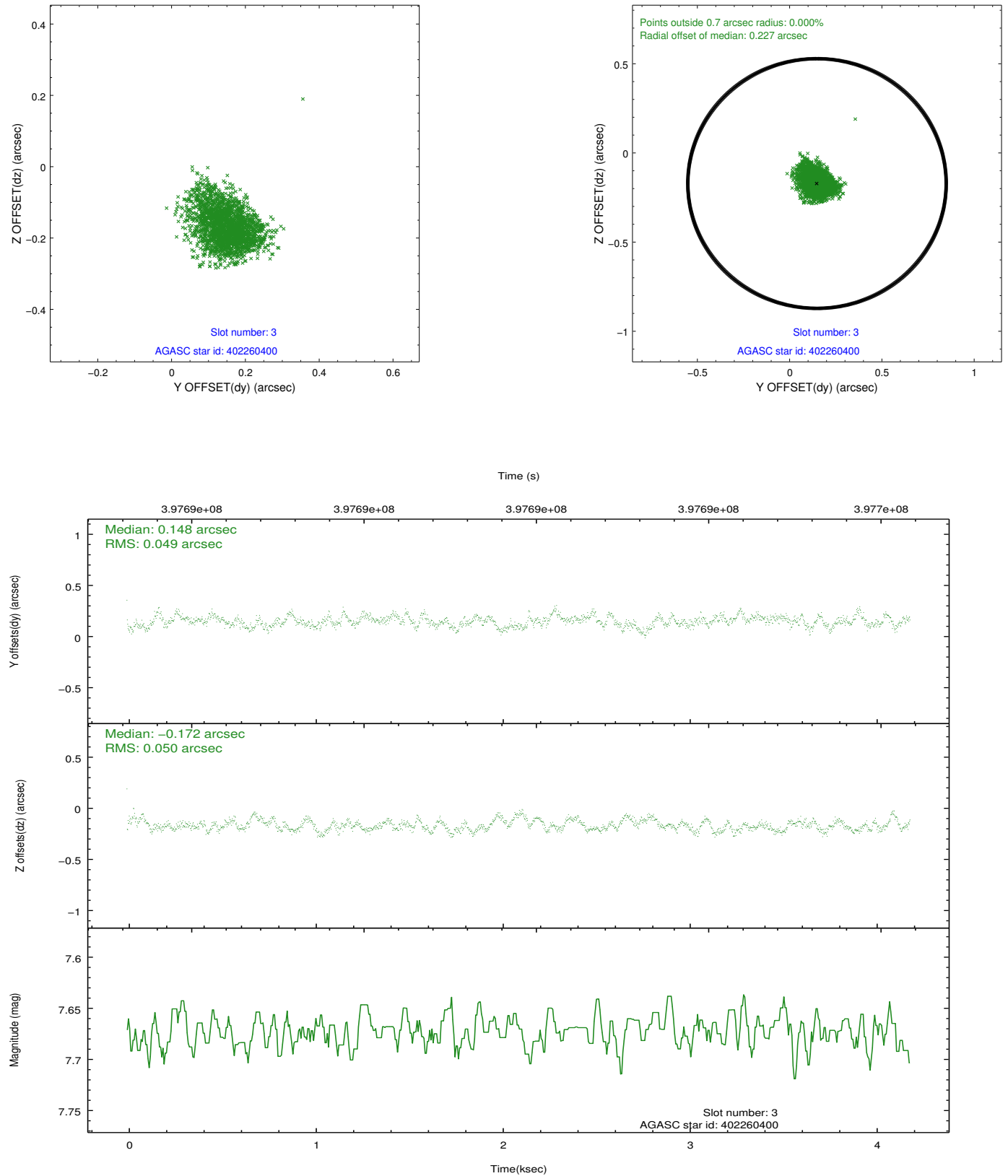


Slot Statistics

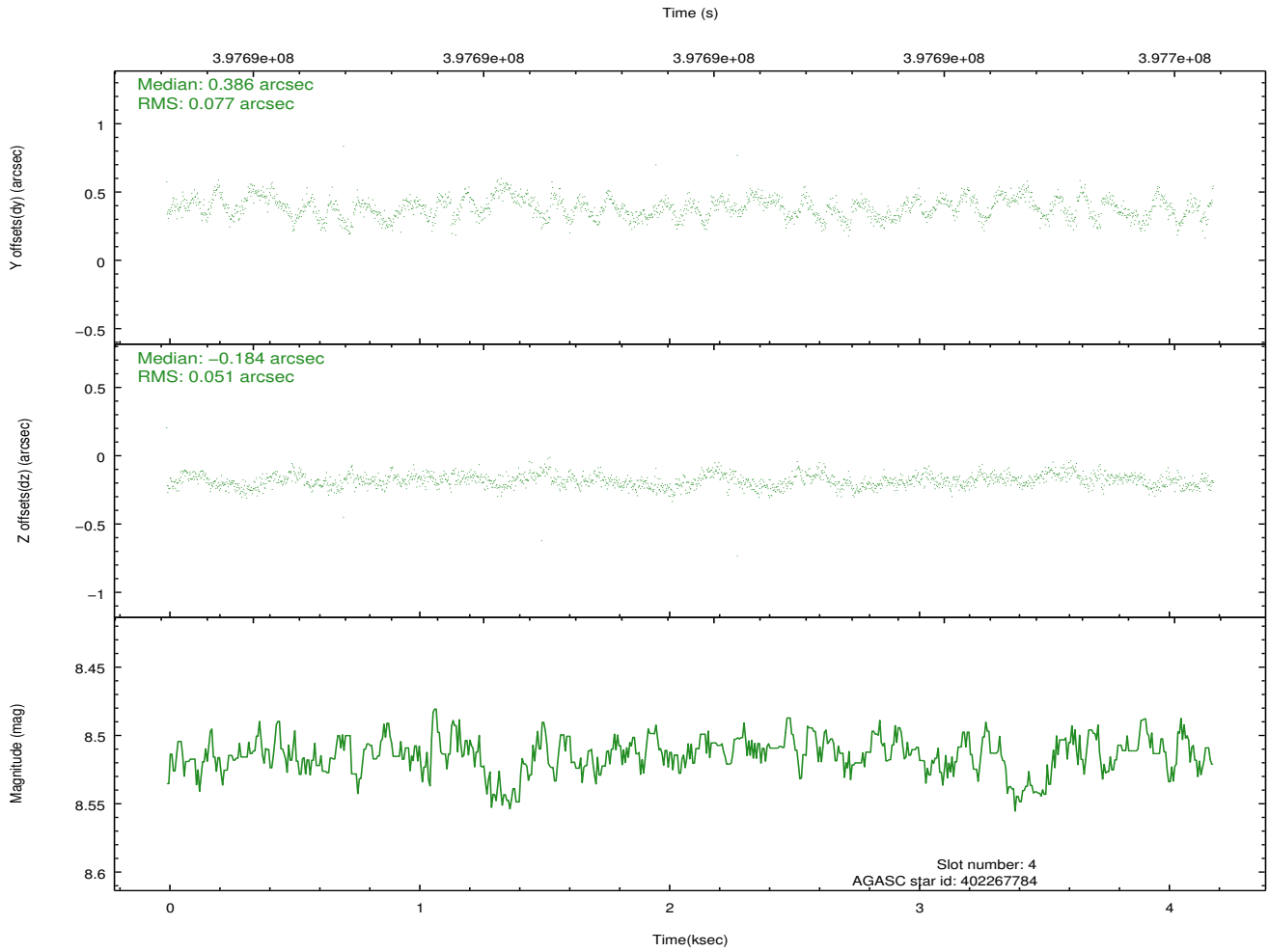
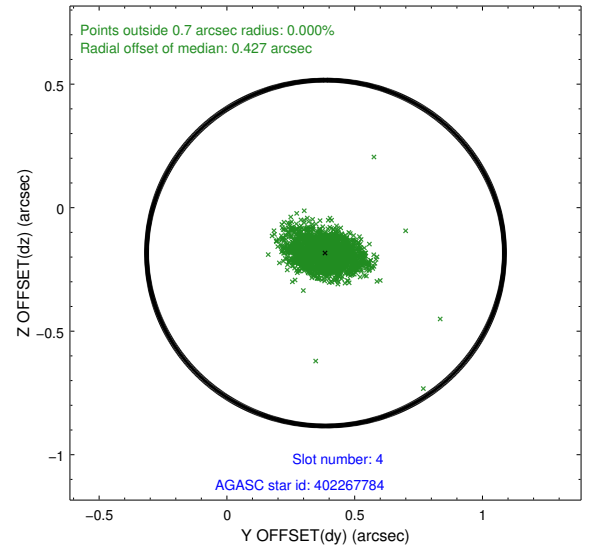
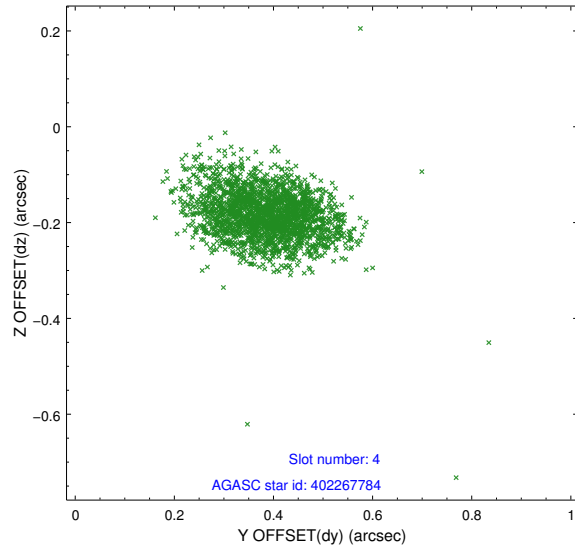
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1022	-0.077	-0.016	0.007	0.013	0.000000	0.000000	-767.84	-1737.72
1	FID	ACIS-S-4	6.98	1021	0.201	0.041	0.006	0.011	0.000000	0.000000	2145.05	169.26
2	FID	ACIS-S-5	7.01	1022	-0.155	-0.017	0.006	0.011	0.000000	0.000000	-1818.84	164.59
3	GUIDE	402260400	7.67	2044	0.148	-0.172	0.074	0.121	249.375707	43.564738	1073.02	-1164.20
4	GUIDE	402267784	8.51	2042	0.386	-0.184	0.095	0.158	248.808232	43.434249	2140.05	-2296.29
5	GUIDE	403966904	8.00	2044	-0.124	-0.260	0.072	0.117	250.587592	43.979287	-1659.87	997.03
6	GUIDE	403975336	8.87	2041	-0.388	0.818	0.086	0.140	250.742487	43.911166	-1624.31	1468.27
7	GUIDE	403966208	8.64	2043	-0.024	-0.202	0.063	0.102	250.187107	43.128985	1543.98	1435.14

2.4 Star Slots

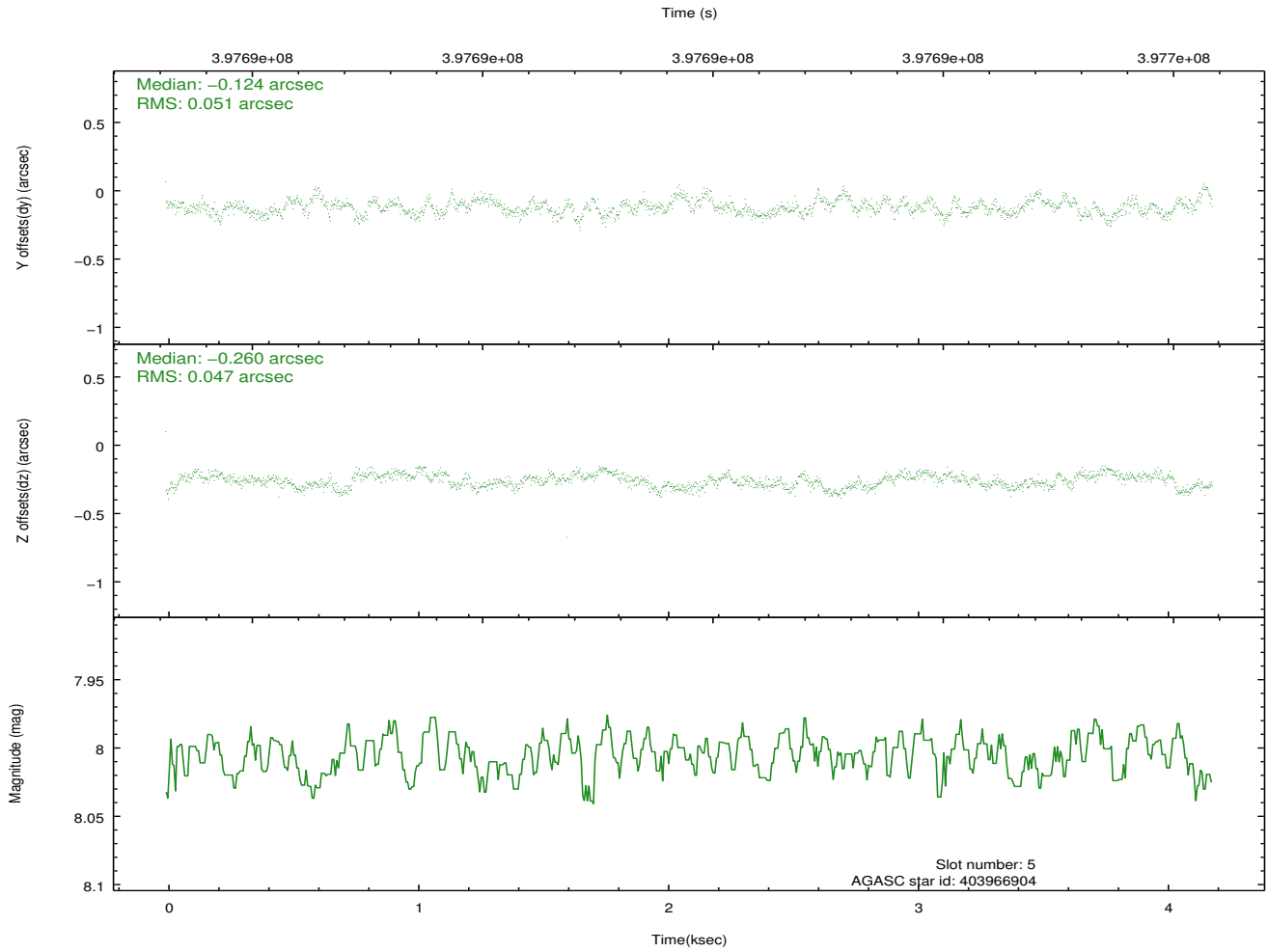
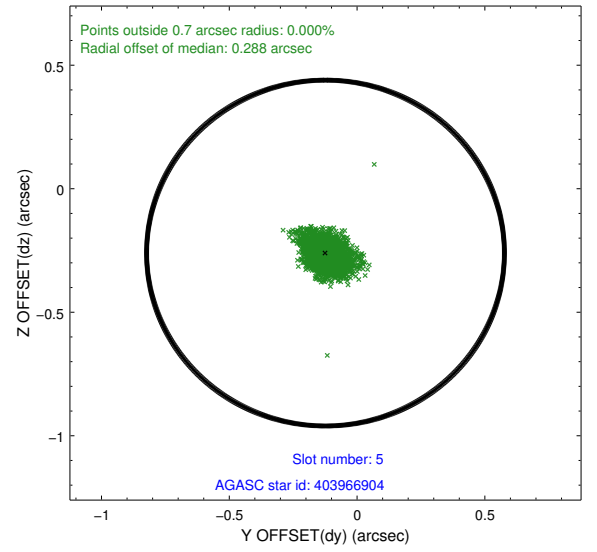
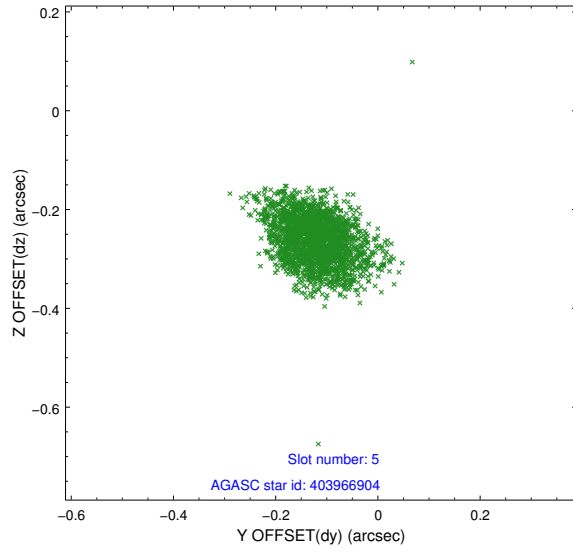
2.4.1 Slot 3



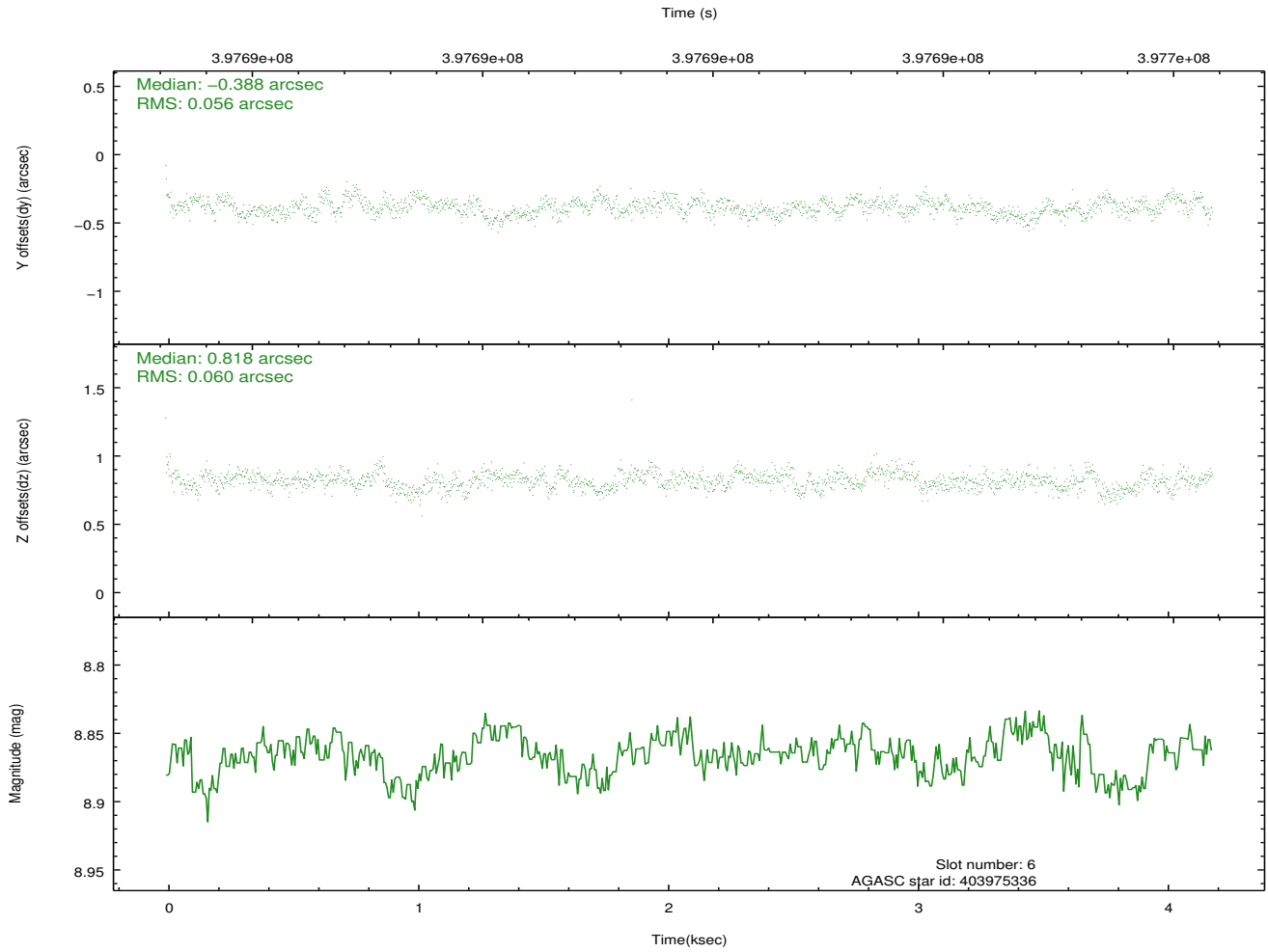
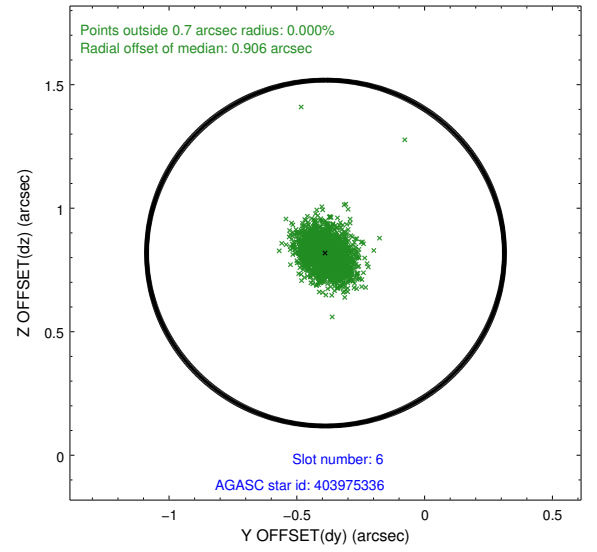
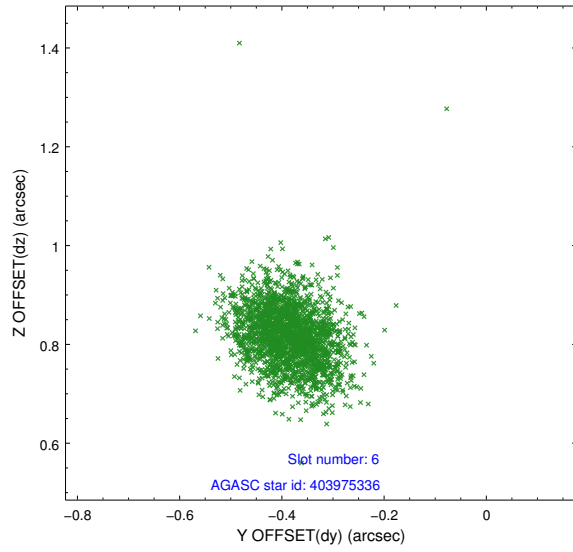
2.4.2 Slot 4



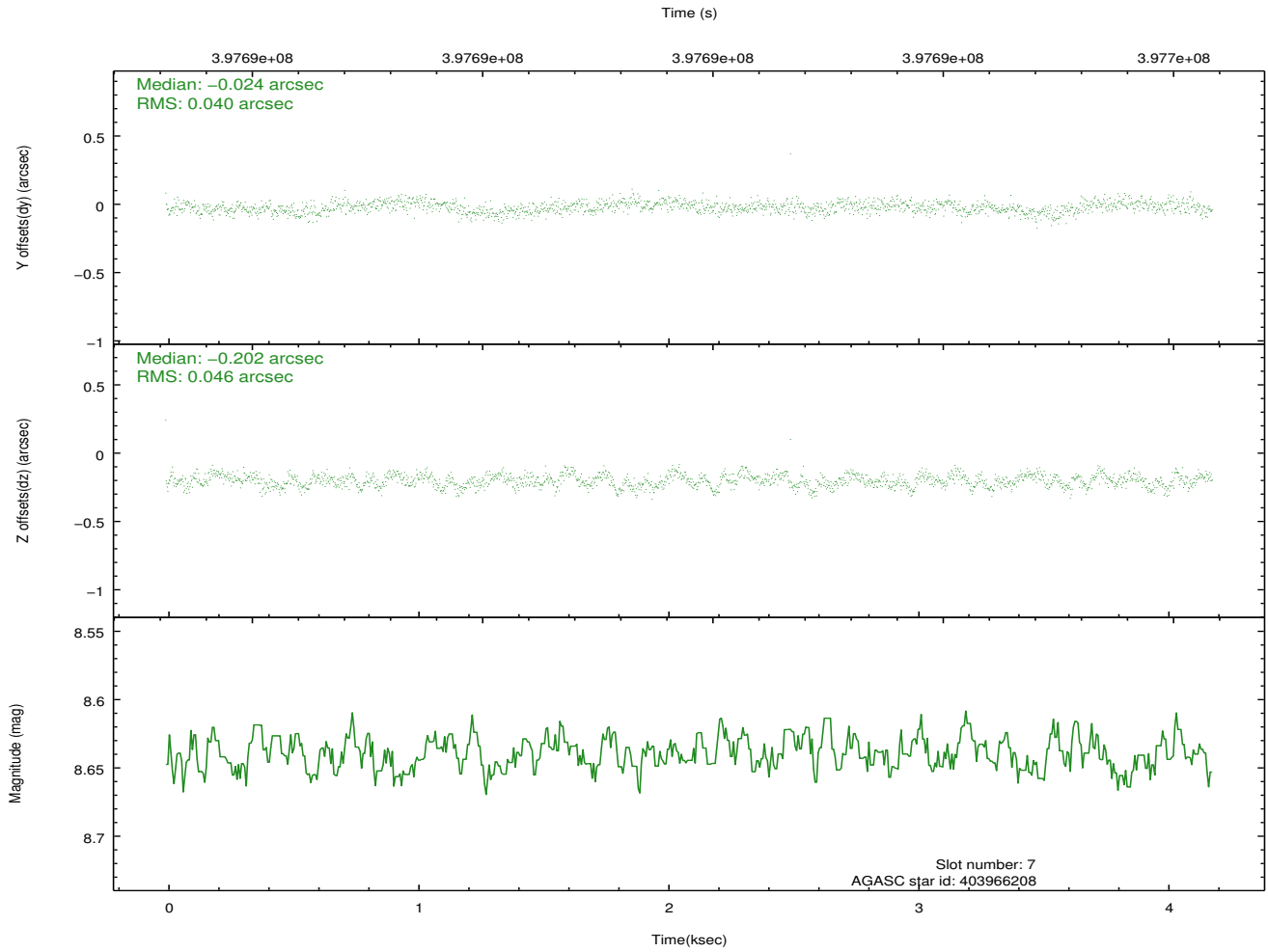
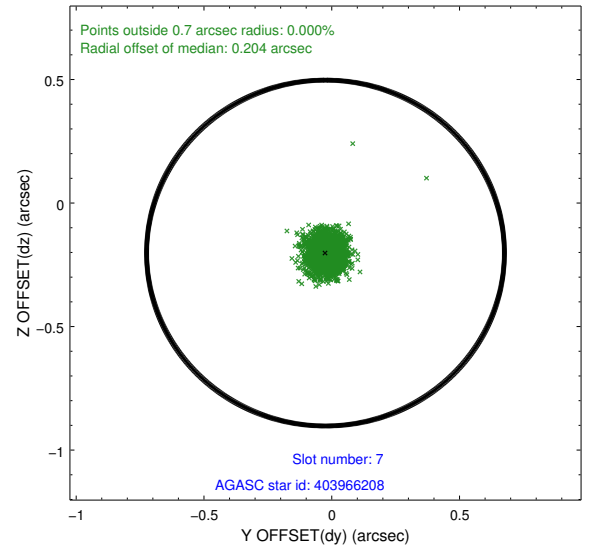
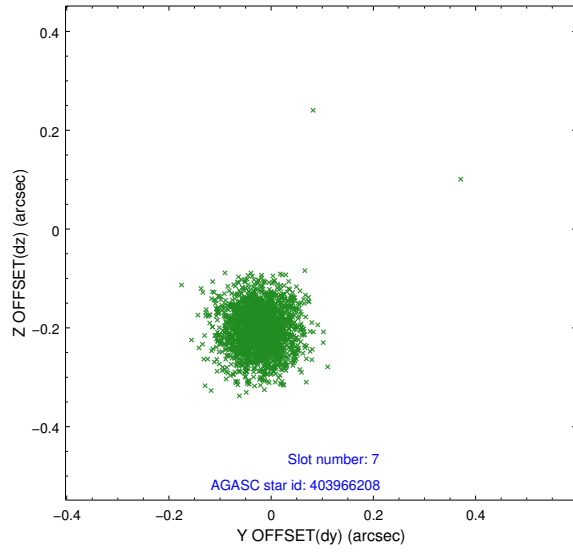
2.4.3 Slot 5



2.4.4 Slot 6

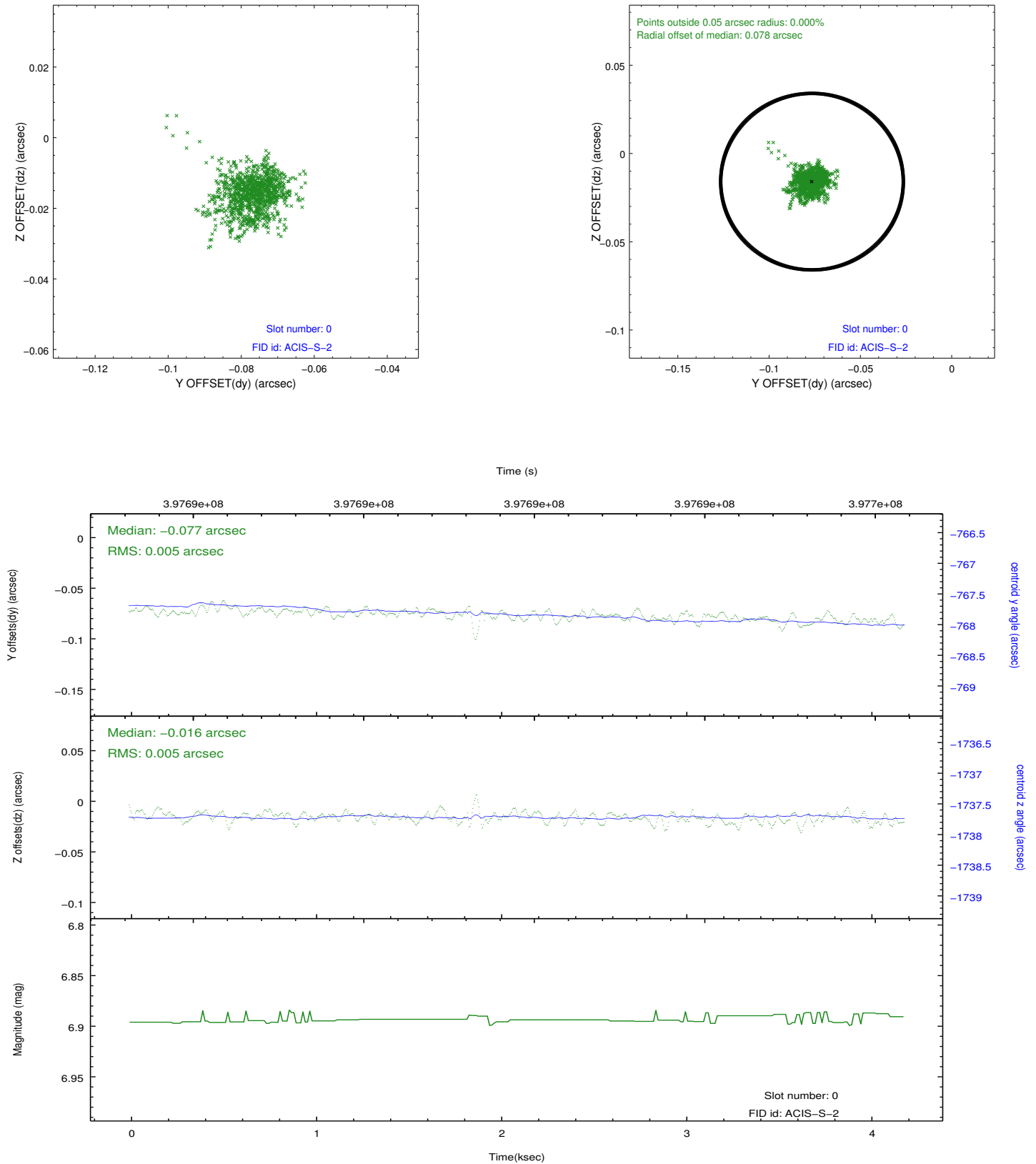


2.4.5 Slot 7

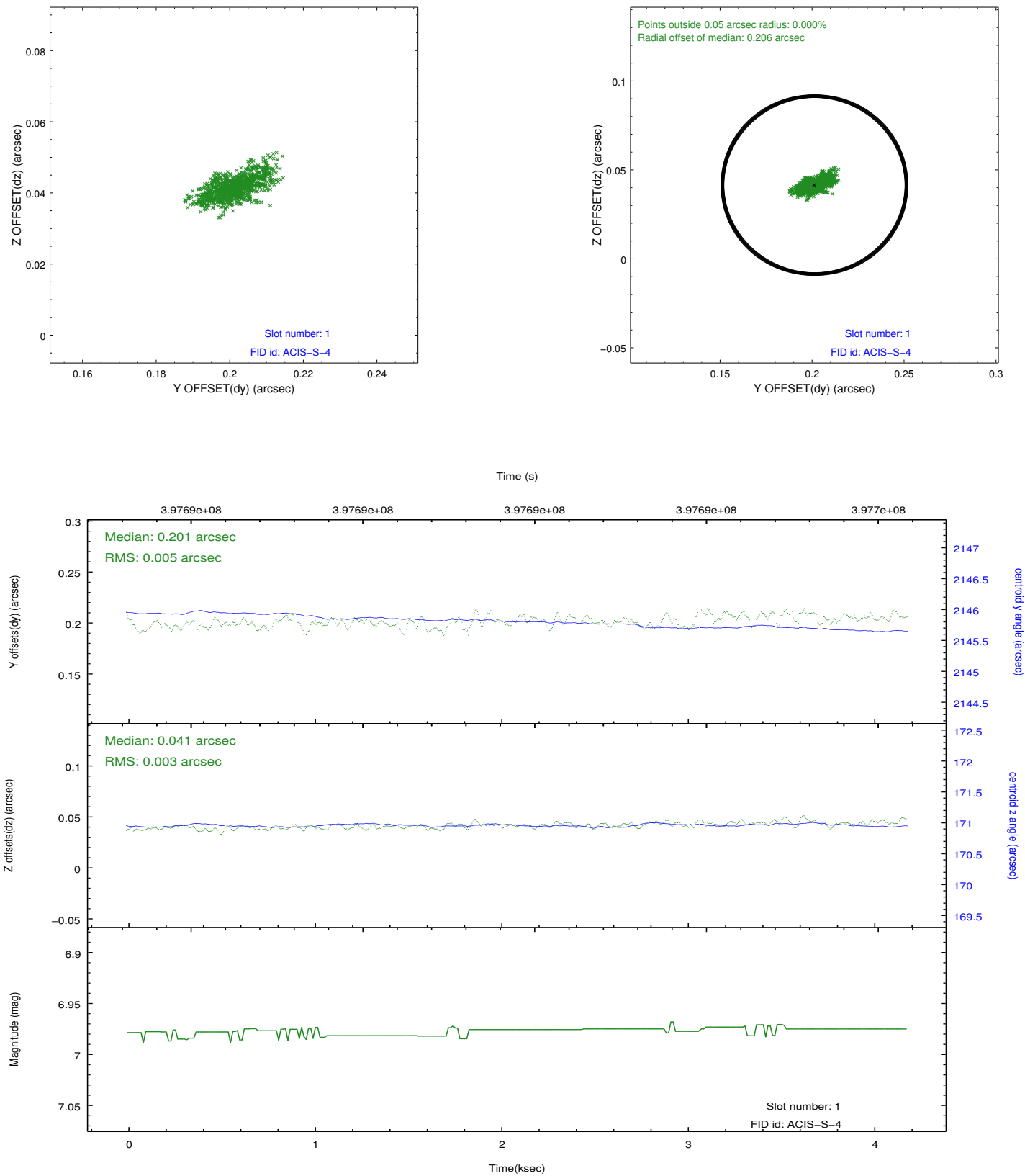


2.5 FID Slots

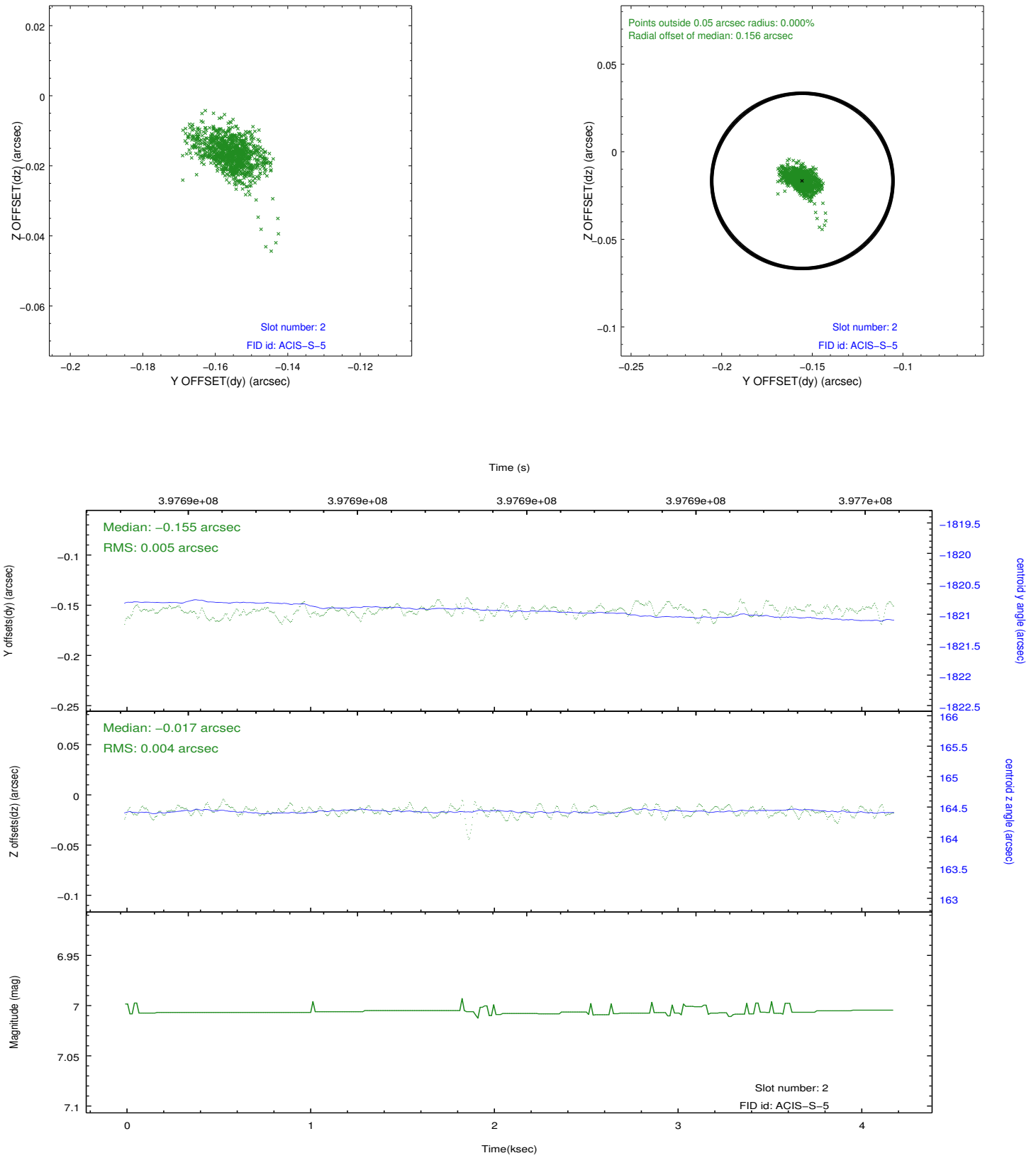
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0610000312328

A.2 Comments