

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13346 - L2 Version 2
Chandra X-Ray Center

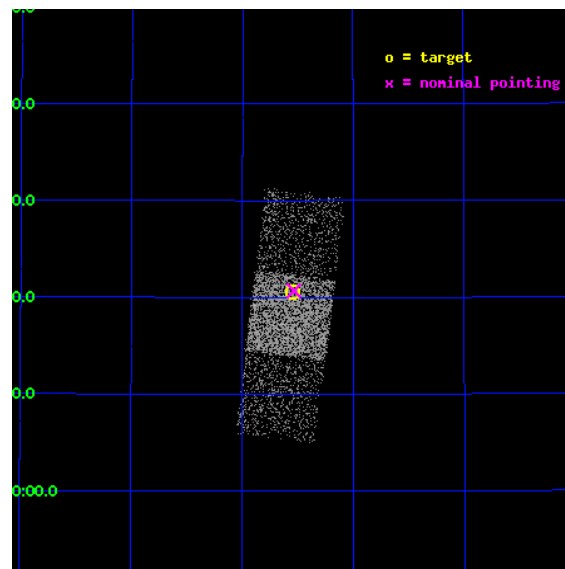
L2 Processing Date : Feb 26 2012

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1 Front

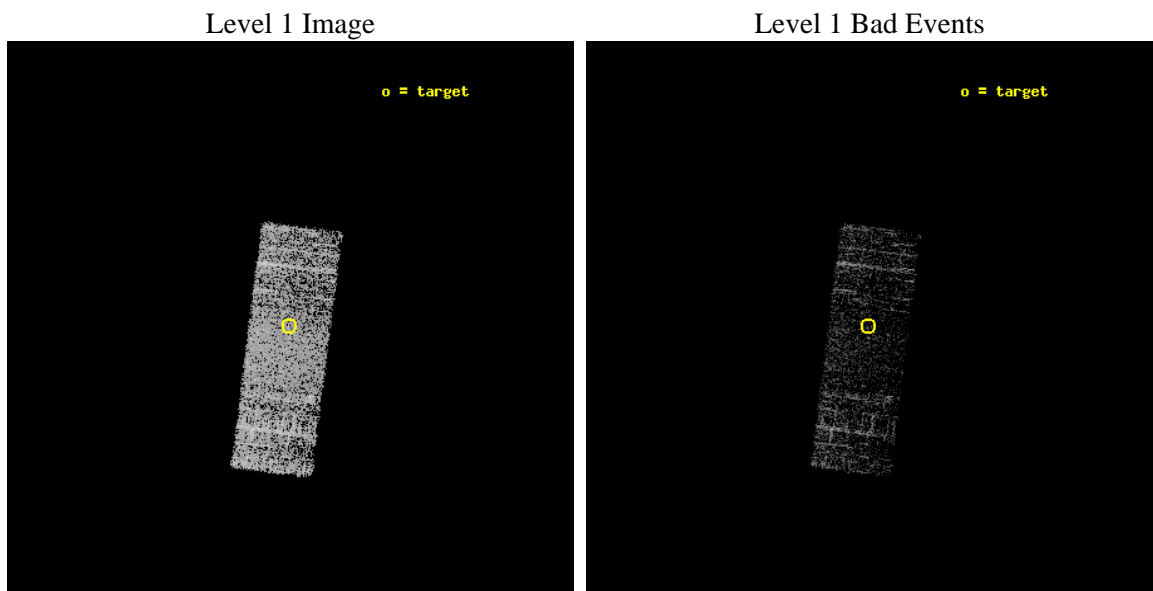
seq_num	702553	Sequence number
obs_id	13346	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0737+3920	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	114.3875	Observer's specified target RA [deg]
dec_targ	39.343722	Observer's specified target Dec [deg]
ra_nom	114.38366525943	Nominal RA [deg]
dec_nom	39.344734131918	Nominal Dec [deg]
roll_nom	97.159522339158	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1559.0597871542	Sum of GTIs [s]
livetime	1538.6895232719	Livetime [s]
ontime6	1559.0187471509	Sum of GTIs [s]
ontime7	1559.0597871542	Sum of GTIs [s]
ontime8	1558.9777071476	Sum of GTIs [s]
l2events	6564	Number of level 2 events



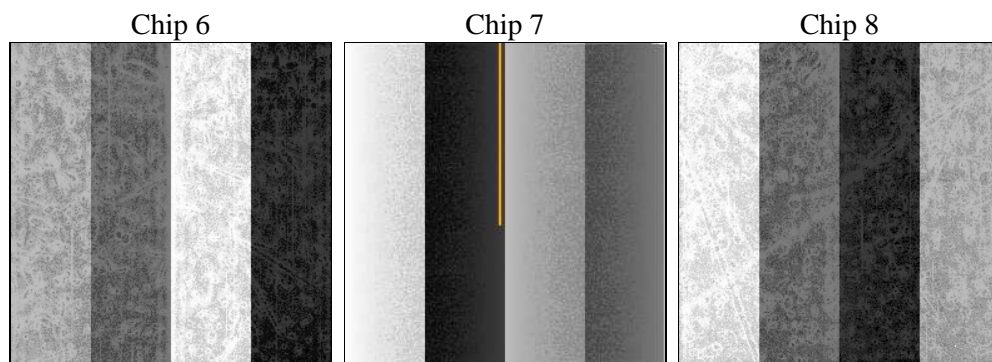
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1559.0597871542	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1559.0187471509	Sum of GTIs [s]
date	2012-02-26T15:11:21	Date and time of file creation	ontime7	1559.0597871542	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1558.9777071476	Sum of GTIs [s]
			l1events	30107	Number of level 1 events

2.1.4 Events

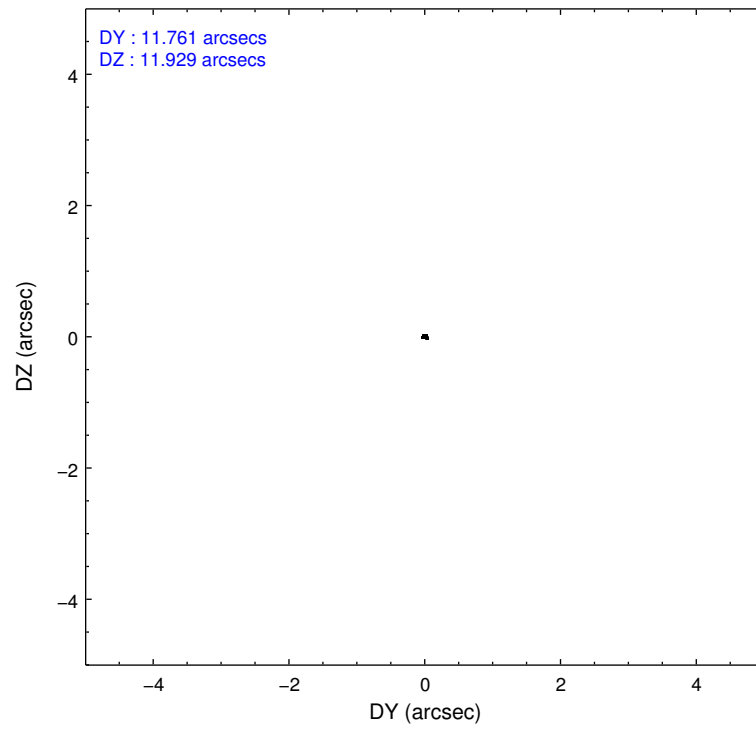
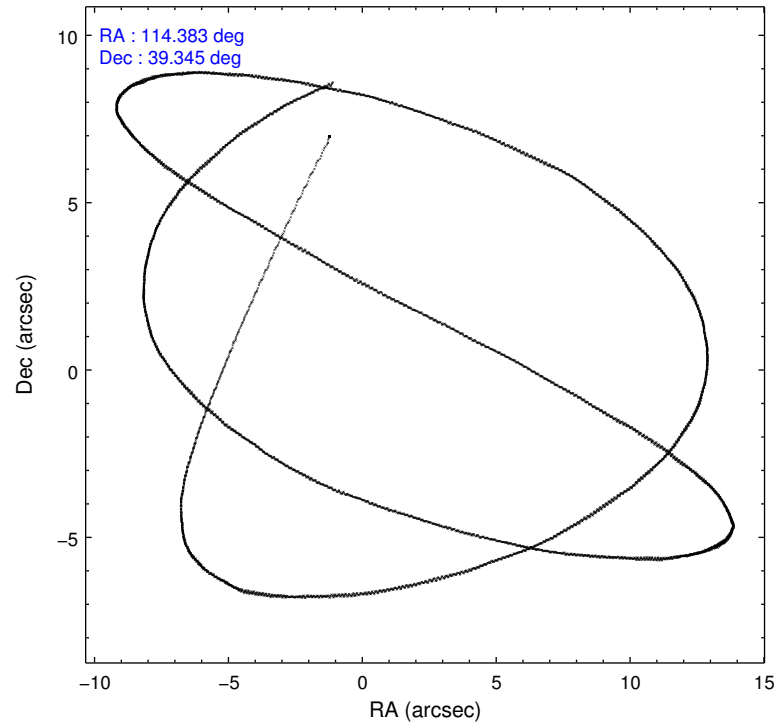
	ccd 6	ccd 7	ccd 8
level 1 events	8476	9990	11641
rejected events	7405	5141	8495
rejected %	87%	51%	72%

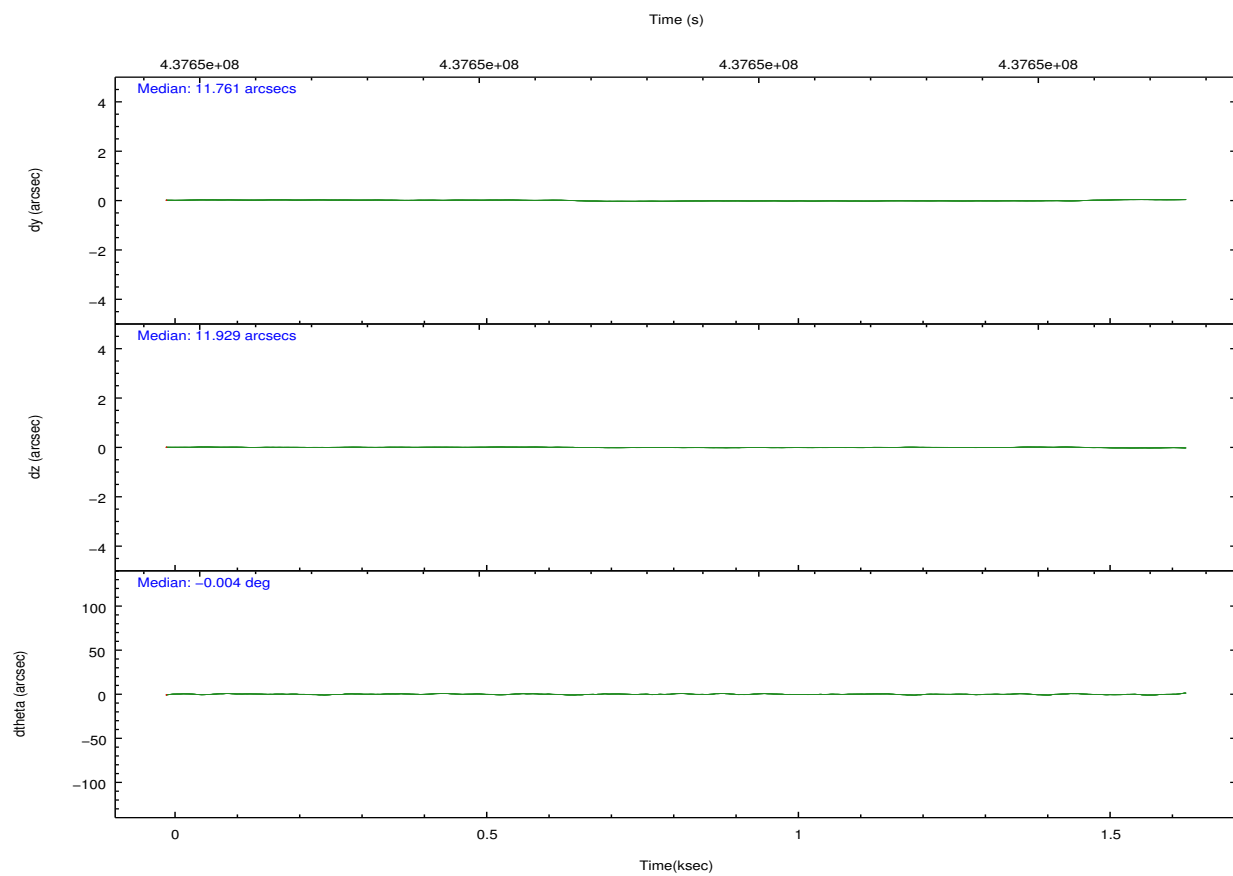
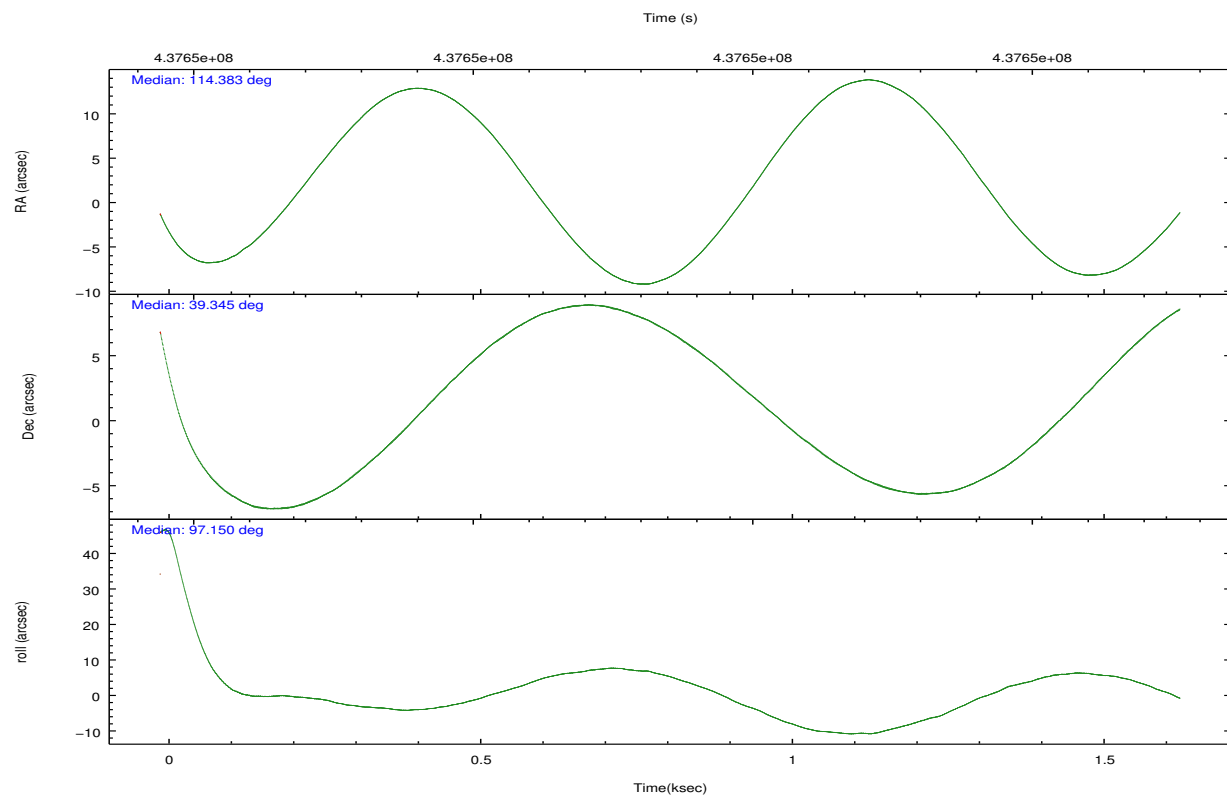
	ccd 6	ccd 7	ccd 8
grade 0 events	397	488	962
	4%	4%	8%
grade 1 events	3	12	11
	0%	0%	0%
grade 2 events	233	1102	721
	2%	11%	6%
grade 3 events	112	414	398
	1%	4%	3%
grade 4 events	113	454	363
	1%	4%	3%
grade 5 events	367	1039	541
	4%	10%	4%
grade 6 events	220	2412	718
	2%	24%	6%
grade 7 events	7031	4069	7927
	82%	40%	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	114.405695	114.3836652594319	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.323448	39.34473413191814	Alternating exposures requested	N	N
[deg] Pointing Roll	96.988471	97.15952233915831	[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)	437645658.184000	437644442.06607			
Observation start date	2011-11-14T08:13:12	2011-11-14T07:54:02			
[s] Observation end time (MET)	437647158.184000	437648059.80376			
Observation end date	2011-11-14T08:38:12	2011-11-14T08:54:19			
Read mode	TIMED	TIMED			

2.3 Aspect



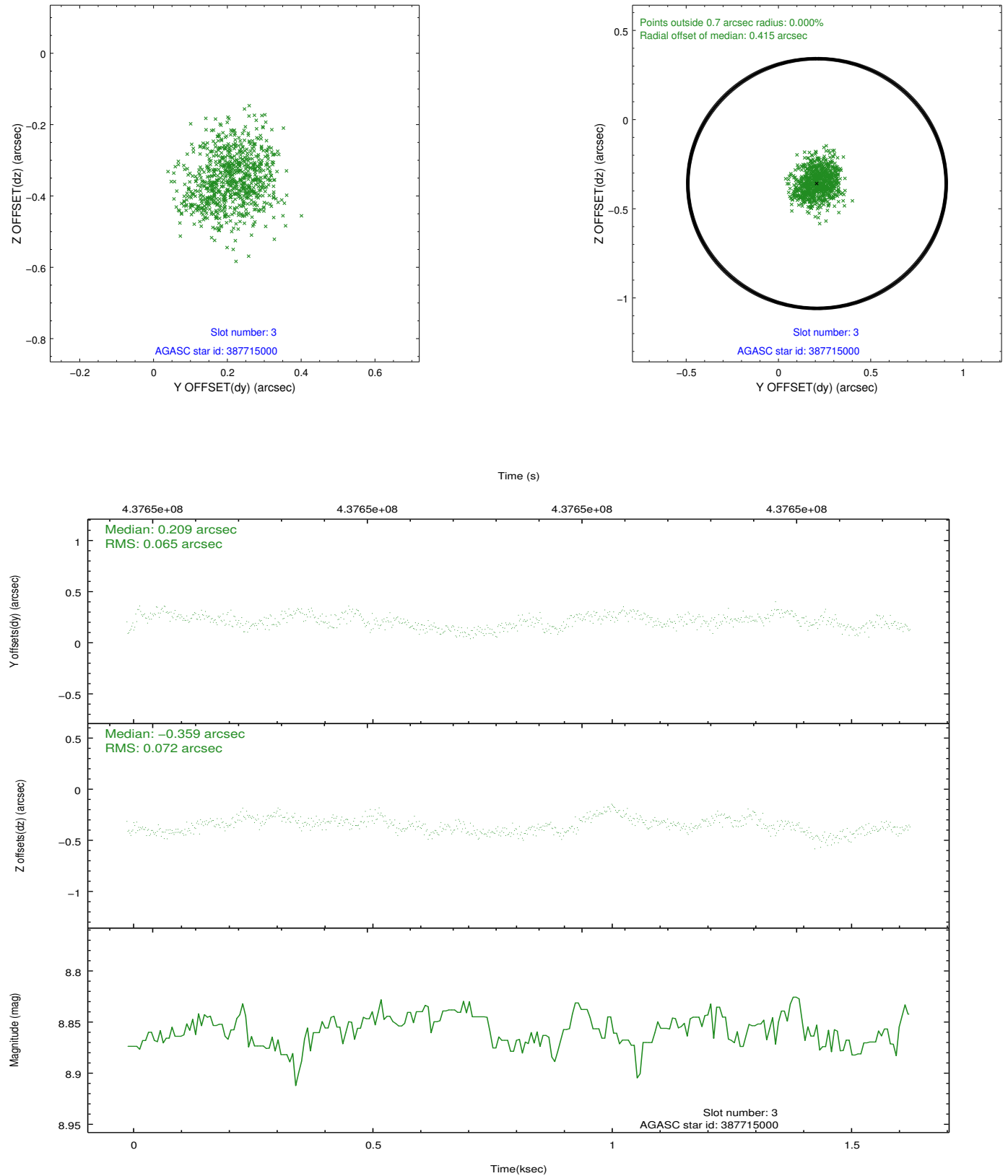


Slot Statistics

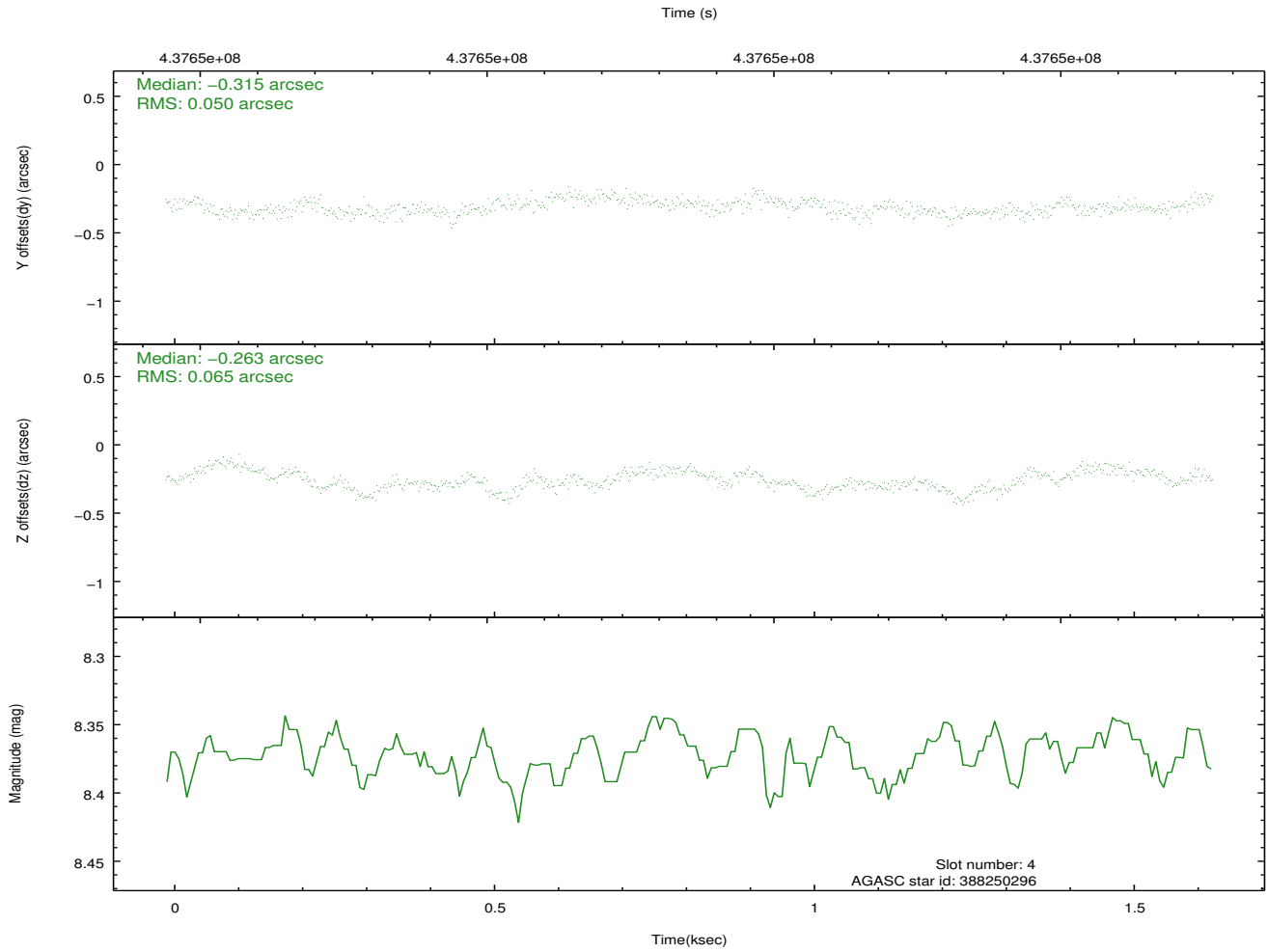
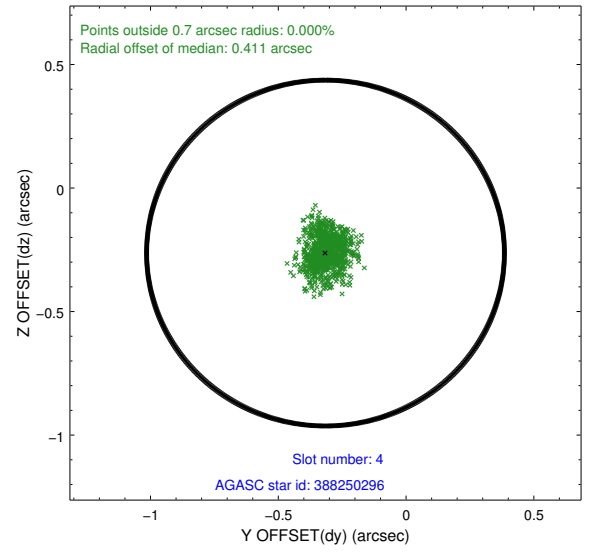
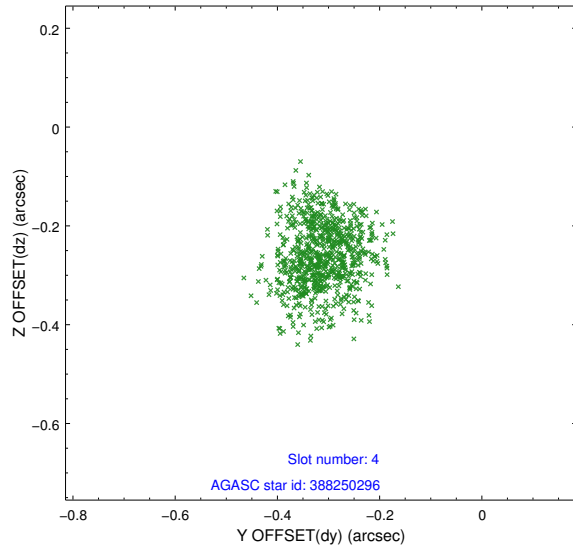
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.02	400	-0.056	-0.049	0.006	0.010	0.000000	0.000000	-764.71	-1733.22
1	FID	ACIS-S-4	7.11	400	0.211	0.040	0.005	0.009	0.000000	0.000000	2147.00	171.17
2	FID	ACIS-S-5	7.15	399	-0.185	0.018	0.005	0.010	0.000000	0.000000	-1812.49	169.42
3	GUIDE	387715000	8.86	799	0.209	-0.359	0.106	0.161	113.726977	38.946553	-1107.90	2049.04
4	GUIDE	388250296	8.37	798	-0.315	-0.263	0.087	0.140	113.828390	39.718303	1609.72	1414.93
5	GUIDE	387713304	8.79	799	0.293	0.187	0.092	0.152	114.854129	38.795070	-2034.82	-1016.84
6	GUIDE	388377744	8.57	799	-0.118	0.239	0.078	0.134	115.122902	39.789936	1432.15	-2176.16
7	GUIDE	388369888	8.41	798	-0.075	0.189	0.084	0.128	115.210989	39.680329	1016.66	-2375.53

2.4 Star Slots

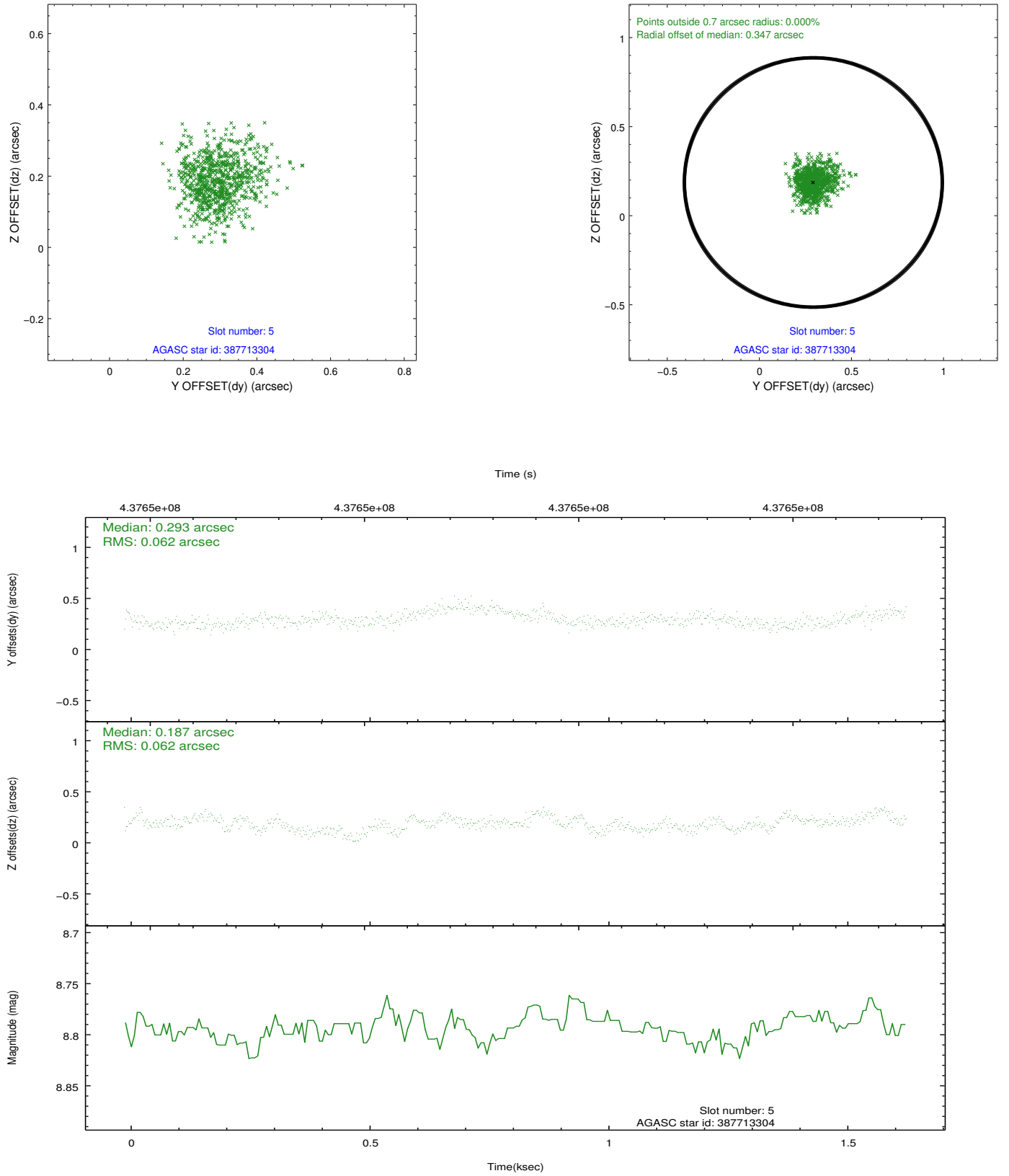
2.4.1 Slot 3



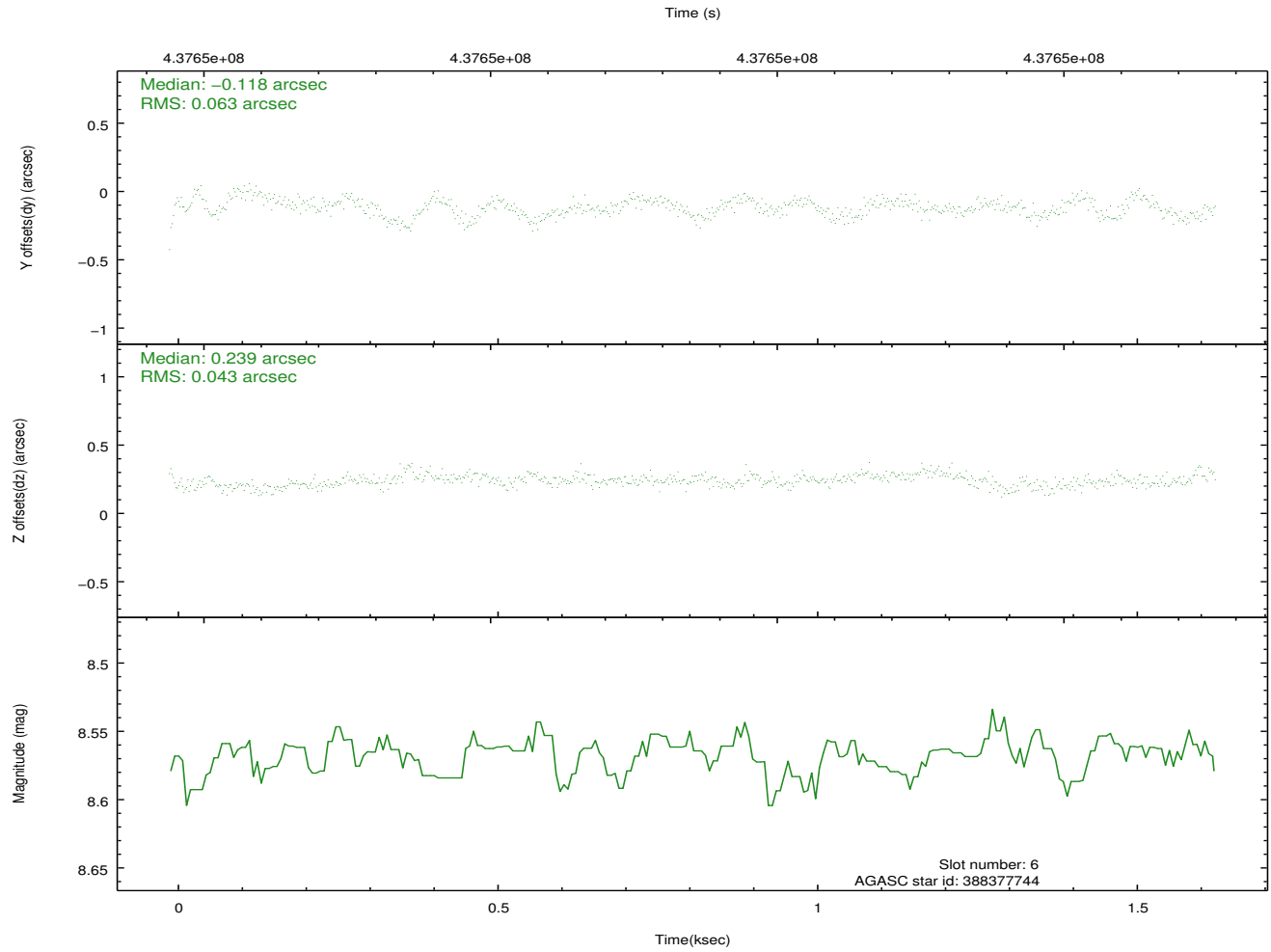
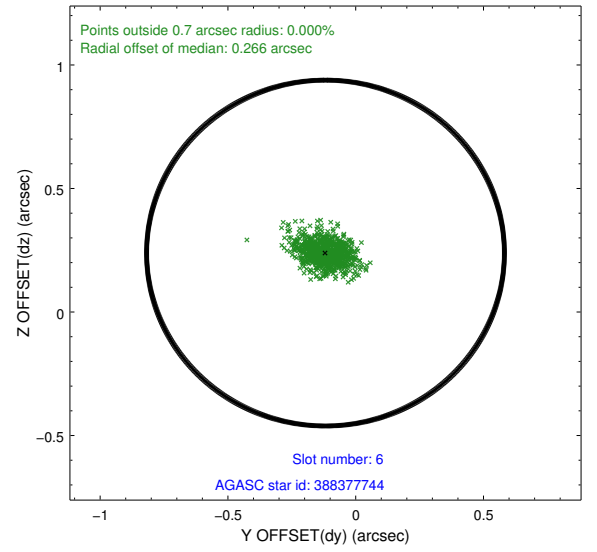
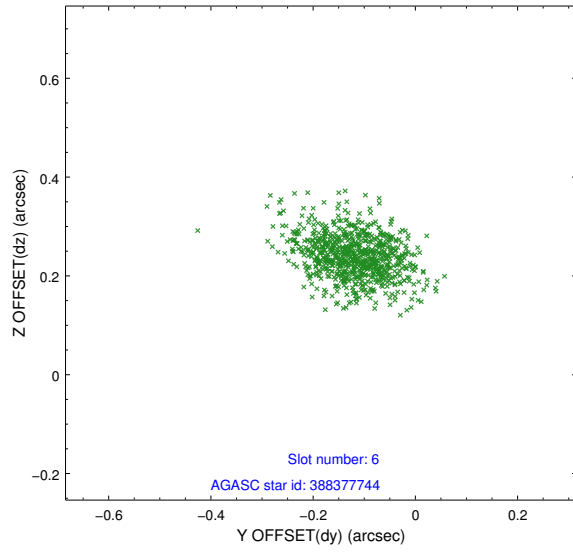
2.4.2 Slot 4



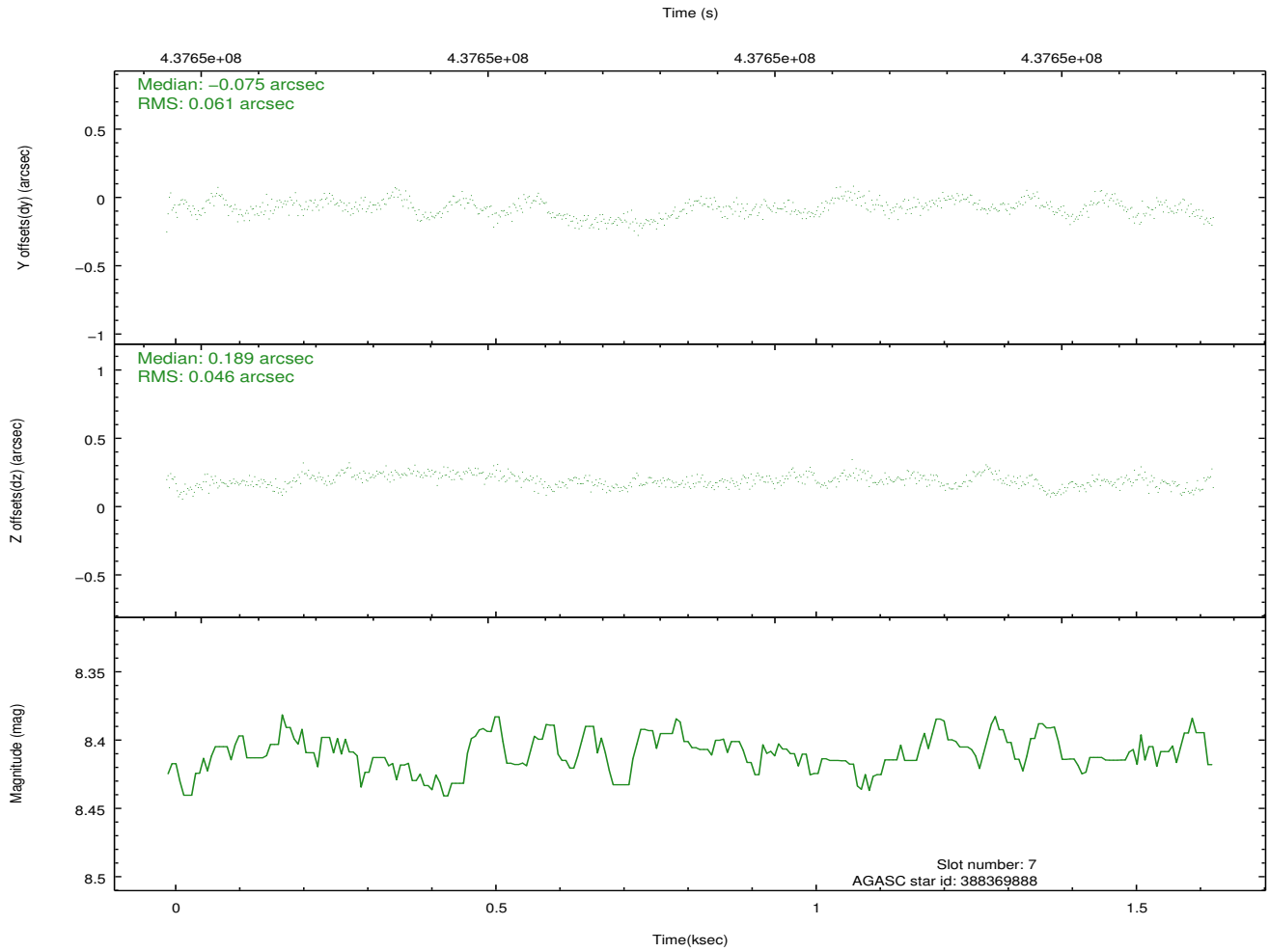
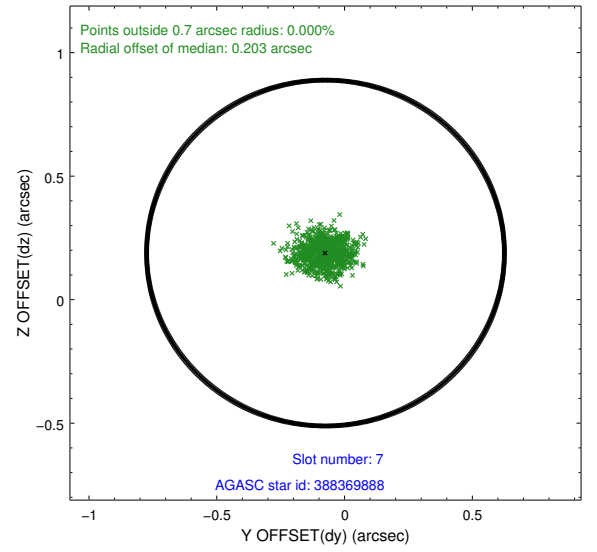
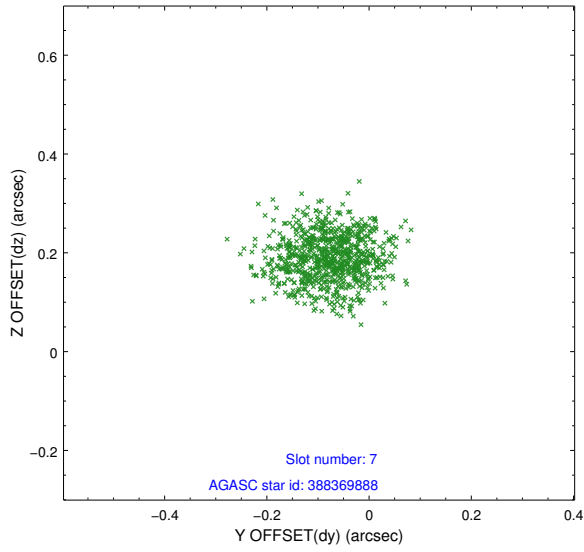
2.4.3 Slot 5



2.4.4 Slot 6

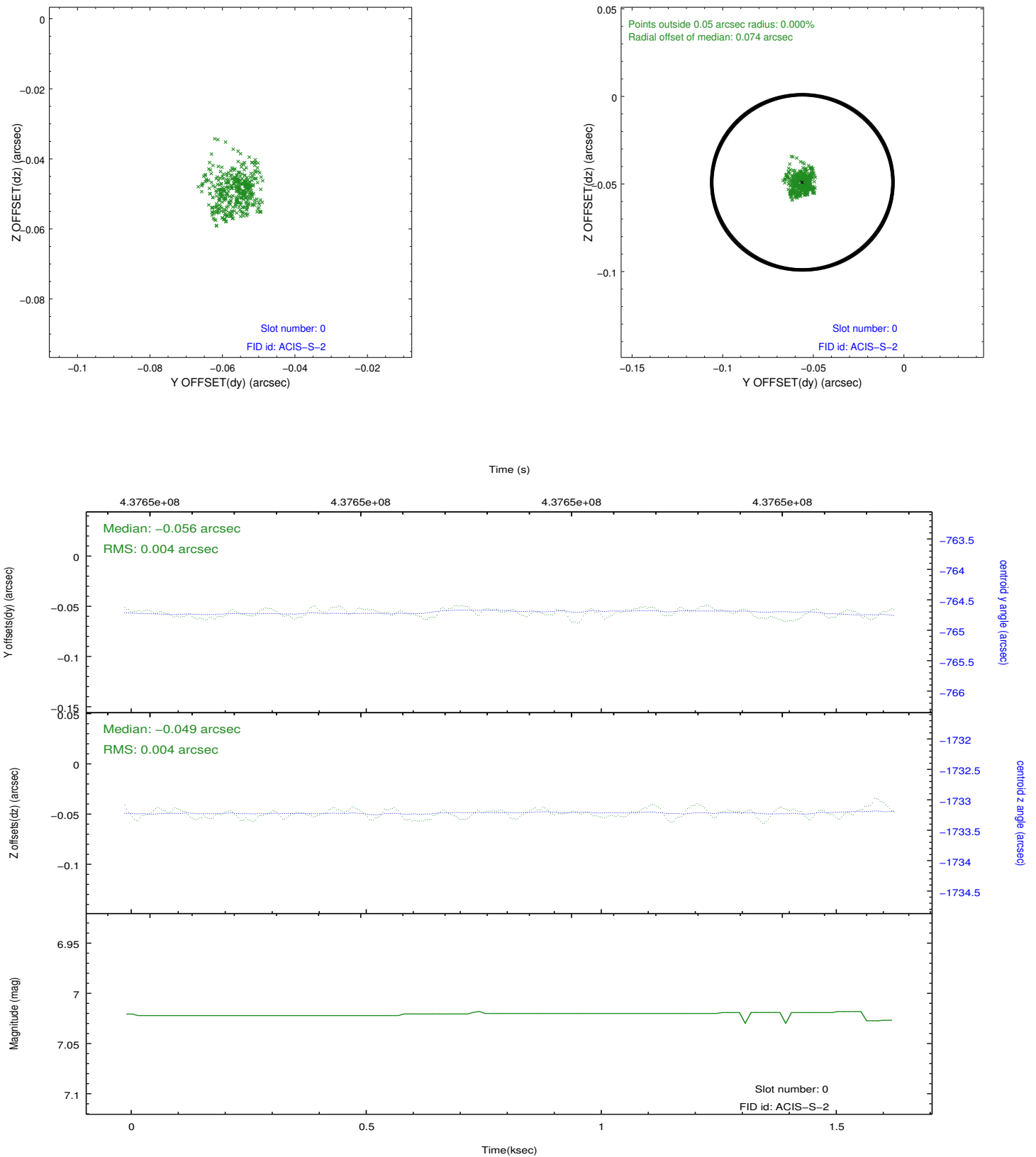


2.4.5 Slot 7

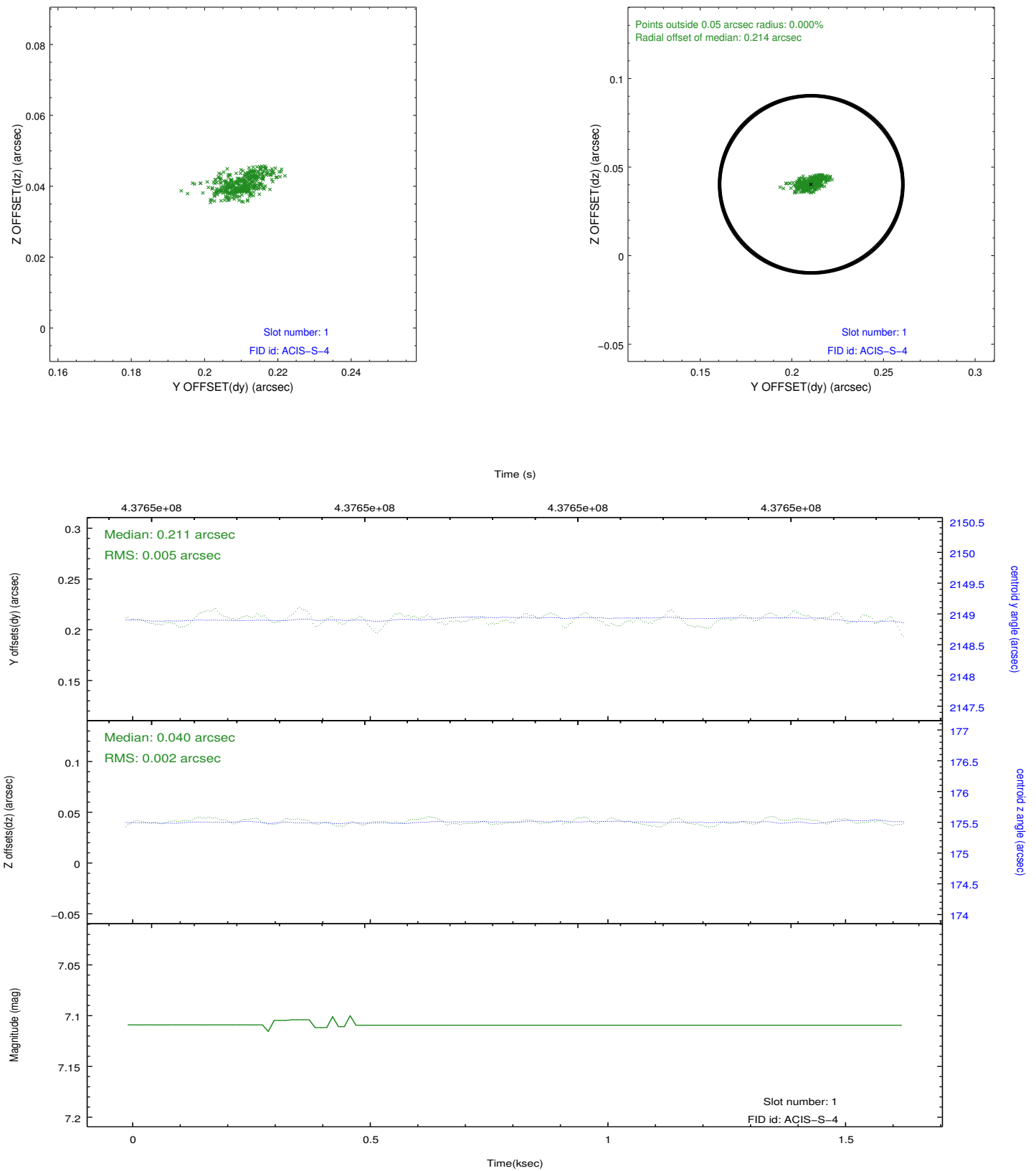


2.5 FID Slots

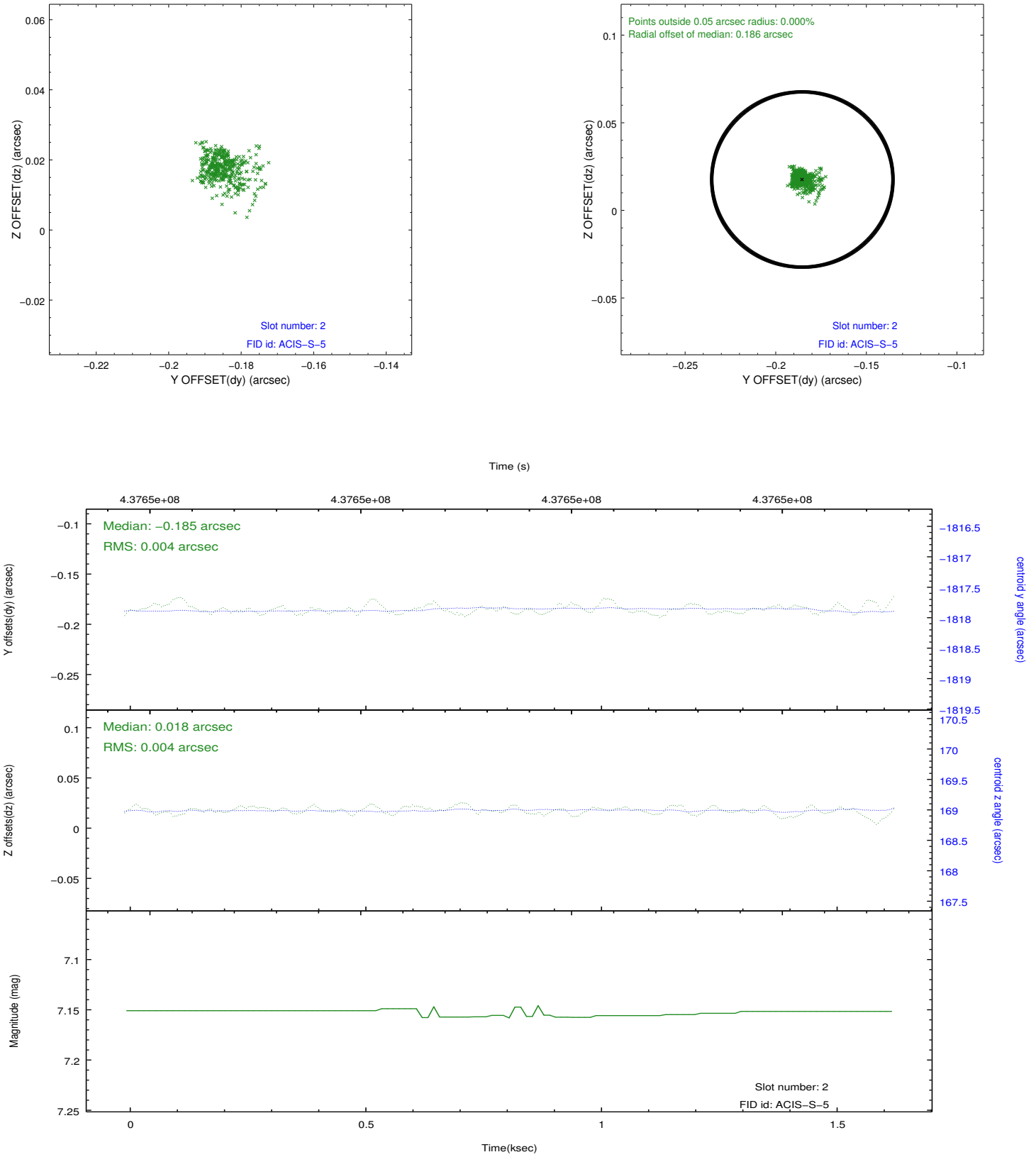
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5590597890615

A.2 Comments