

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4040 - L2 Version 3
Chandra X-Ray Center

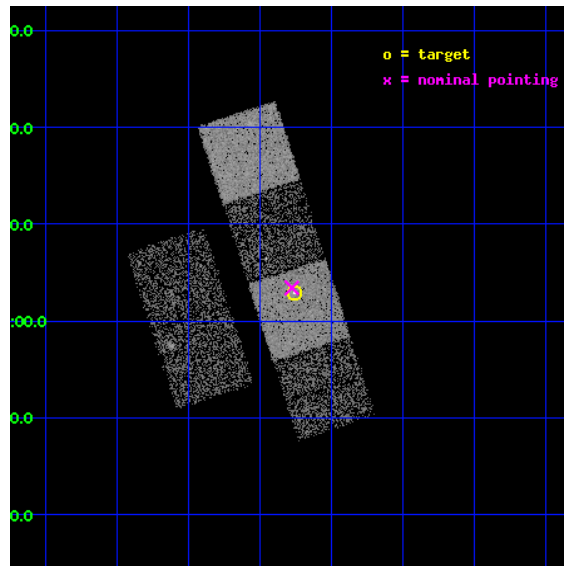
L2 Processing Date : Oct 22 2012

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1 Front

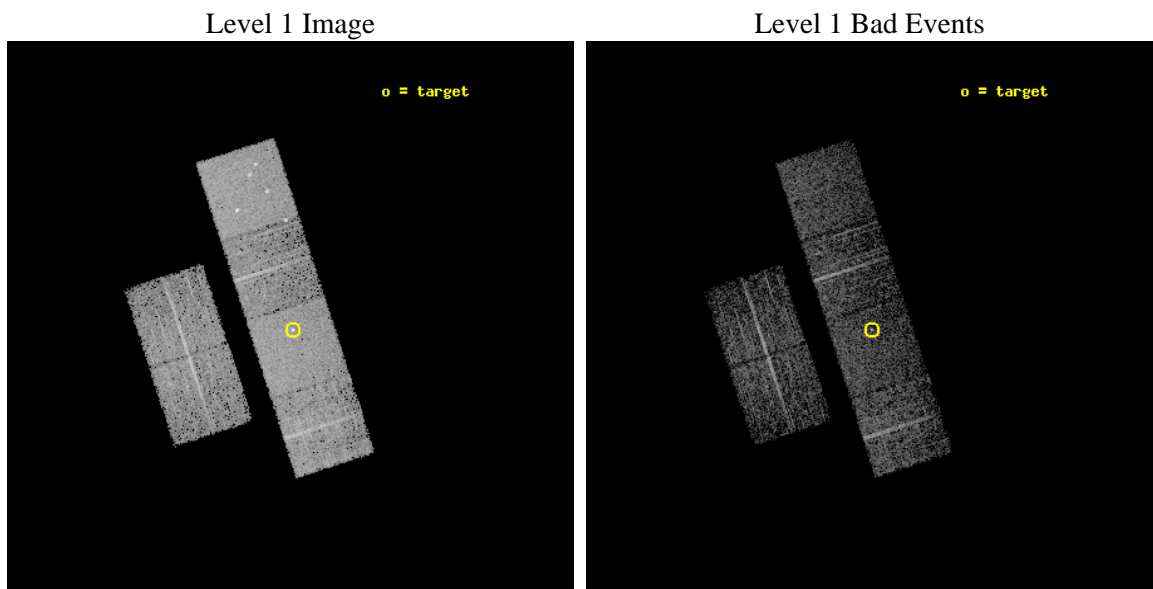
seq_num	700719	Sequence number
obs_id	4040	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS123016+030255	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.564583	Observer's specified target RA [deg]
dec_targ	3.048528	Observer's specified target Dec [deg]
ra_nom	187.56911435656	Nominal RA [deg]
dec_nom	3.0571907542503	Nominal Dec [deg]
roll_nom	72.104530531231	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3561.599986732	Sum of GTIs [s]
livetime	3516.500863162	Livetime [s]
ontime2	3561.599986732	Sum of GTIs [s]
ontime3	3561.599986732	Sum of GTIs [s]
ontime5	3561.599986732	Sum of GTIs [s]
ontime6	3561.599986732	Sum of GTIs [s]
ontime7	3561.599986732	Sum of GTIs [s]
ontime8	3561.599986732	Sum of GTIs [s]
l2events	37758	Number of level 2 events



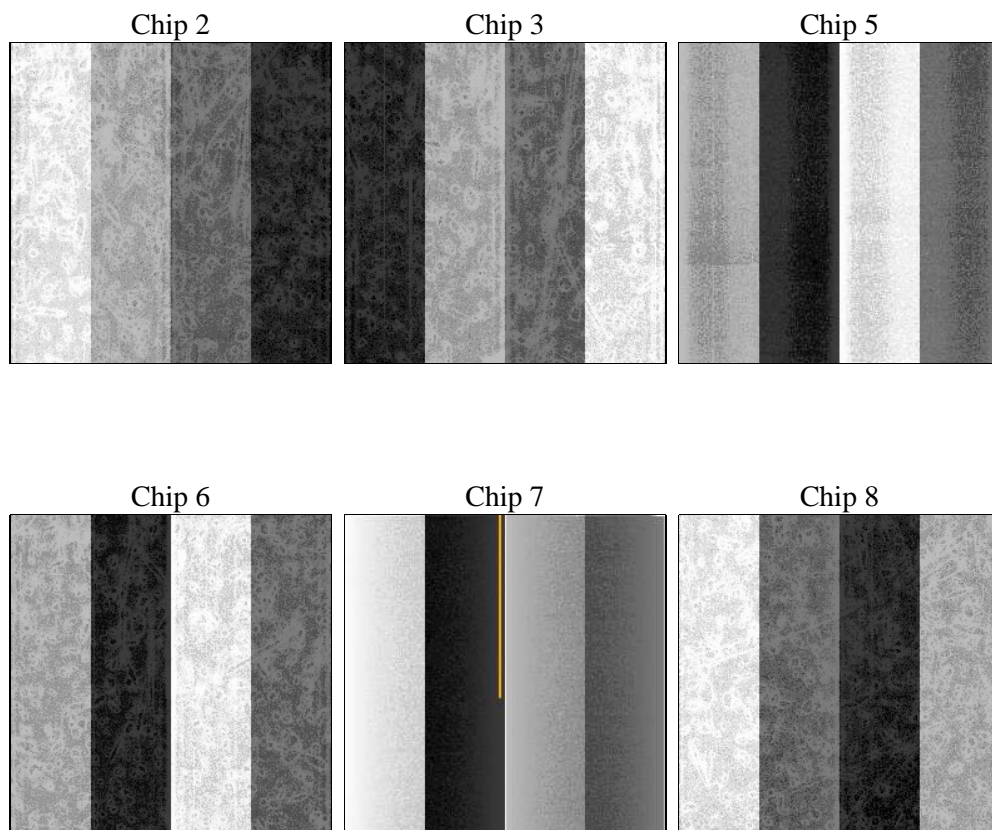
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3450.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3561.599986732	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3561.599986732	Sum of GTIs [s]
date	2012-10-22T04:58:53	Date and time of file creation	ontime3	3561.599986732	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3561.599986732	Sum of GTIs [s]
			ontime6	3561.599986732	Sum of GTIs [s]
			ontime7	3561.599986732	Sum of GTIs [s]
			ontime8	3561.599986732	Sum of GTIs [s]
			l1events	169800	Number of level 1 events

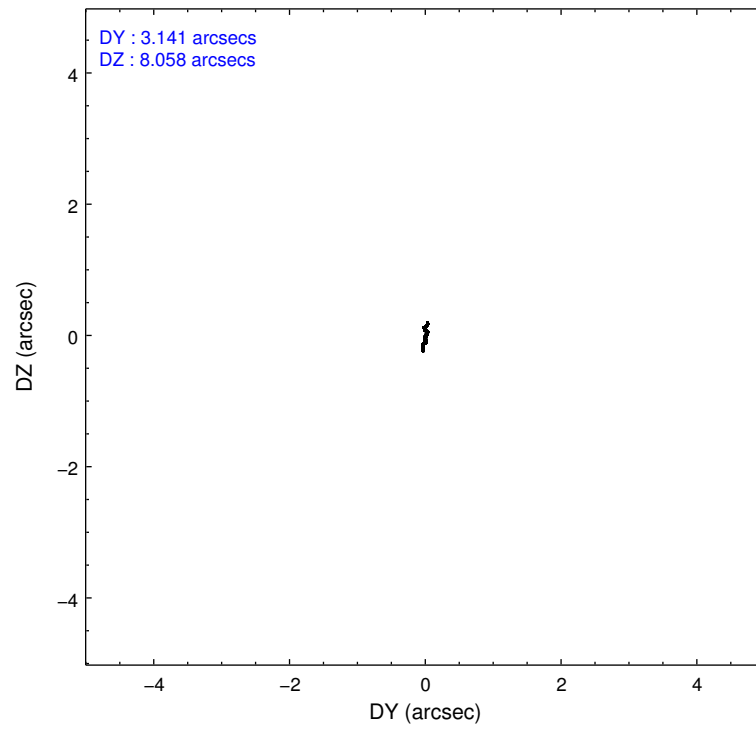
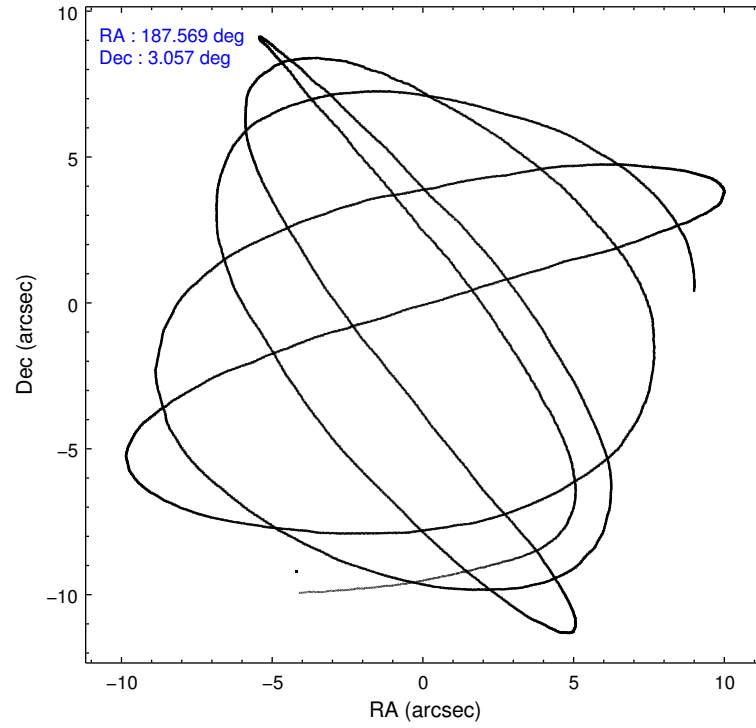
2.1.4 Events

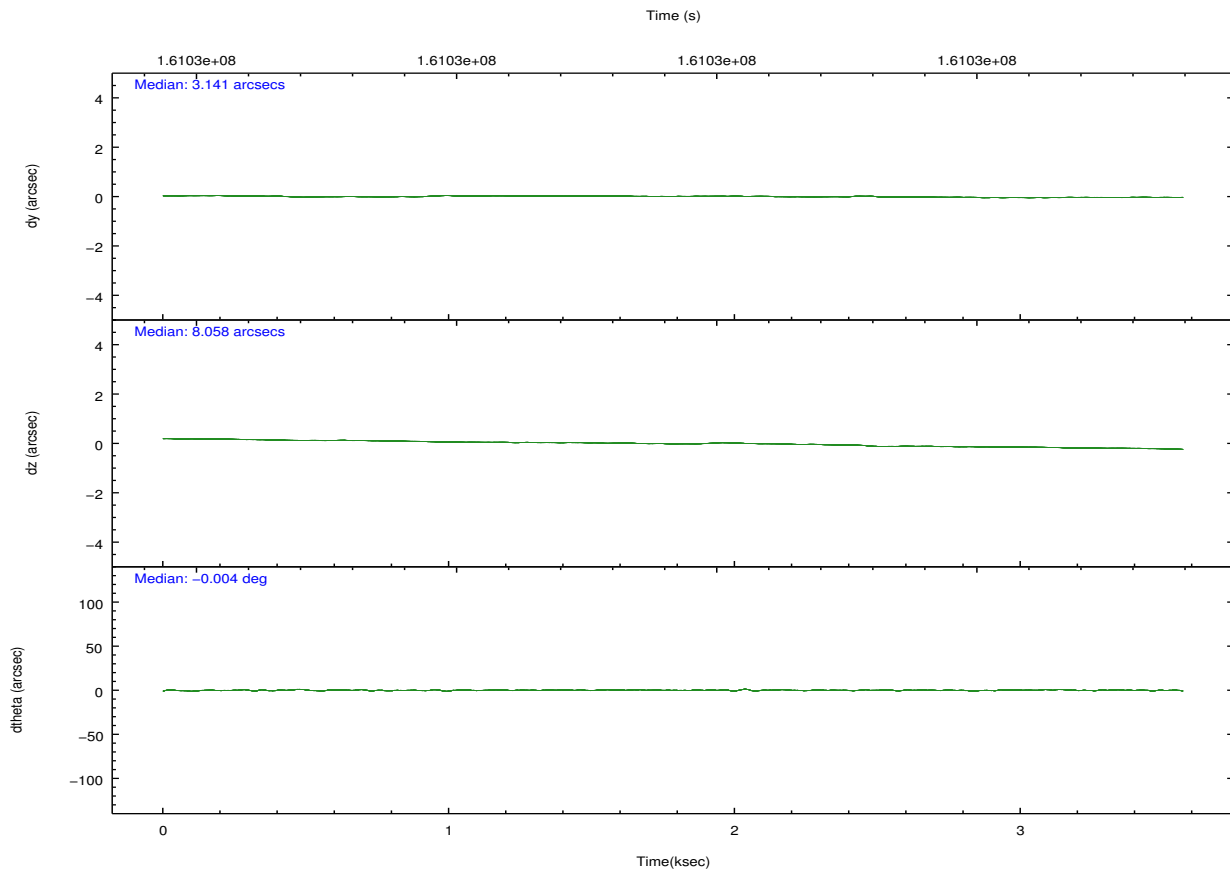
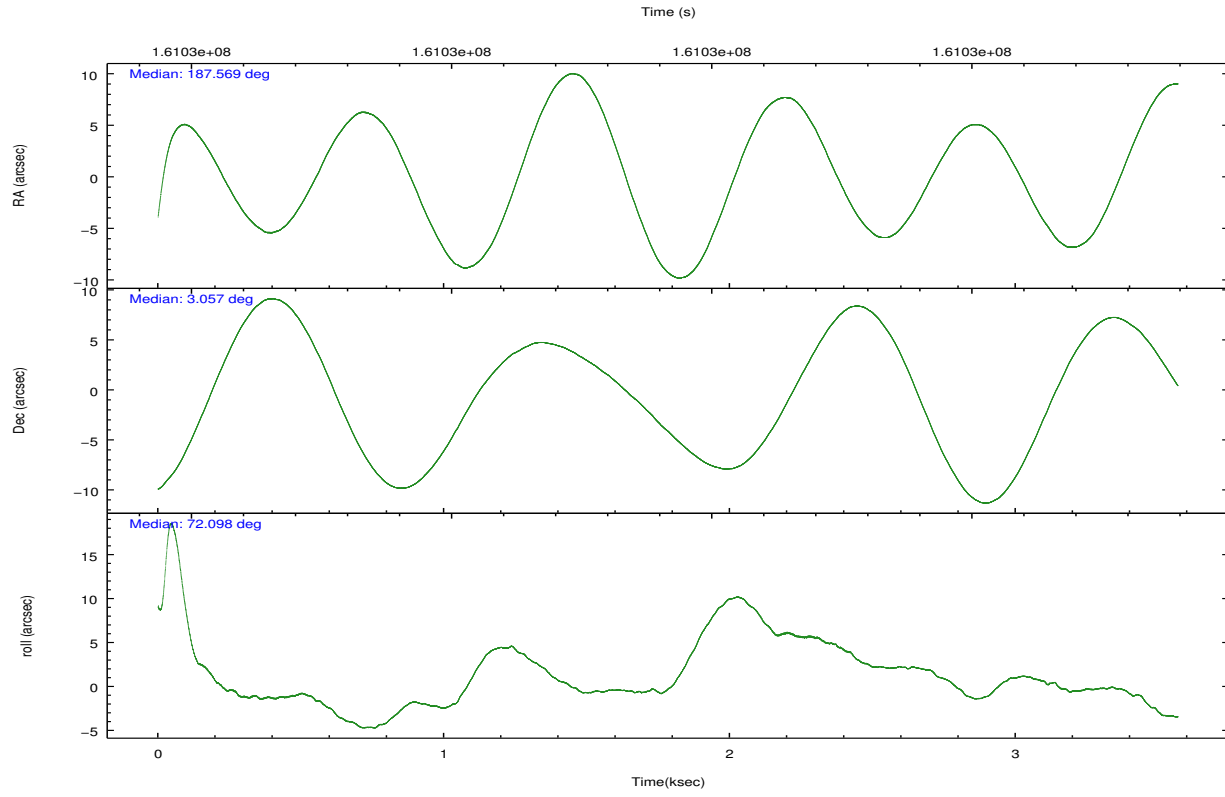
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23961	23227	36495	23291	33053	29773	grade 0 events	1258	1313	2658	1274	1408	1983
rejected events	21245	20464	19880	20393	19518	23775		5%	5%	7%	5%	4%	6%
rejected %	88%	88%	54%	87%	59%	79%	grade 1 events	13	10	57	17	40	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	587	505	4928	588	2712	1297
								2%	2%	13%	2%	8%	4%
							grade 3 events	269	289	644	285	1316	649
								1%	1%	1%	1%	3%	2%
							grade 4 events	266	249	659	286	1207	665
								1%	1%	1%	1%	3%	2%
							grade 5 events	902	953	2645	1091	3242	1284
								3%	4%	7%	4%	9%	4%
							grade 6 events	436	496	8293	568	7354	1533
								1%	2%	22%	2%	22%	5%
							grade 7 events	20230	19412	16611	19182	15774	22344
								84%	83%	45%	82%	47%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	187.575202	187.5691143565597	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.030521	3.057190754250318	Alternating exposures requested	N	N
[deg] Pointing Roll	71.947541	72.10453053123103	[s] Primary exposure time	0.000000	3.2
[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)	161030168.184000	161029073.67893			
Observation start date	2003-02-07T18:35:04	2003-02-07T18:17:53			
[s] Observation end time (MET)	161033618.184000	161034154.60414			
Observation end date	2003-02-07T19:32:34	2003-02-07T19:42:34			
Read mode	TIMED	TIMED			

2.3 Aspect



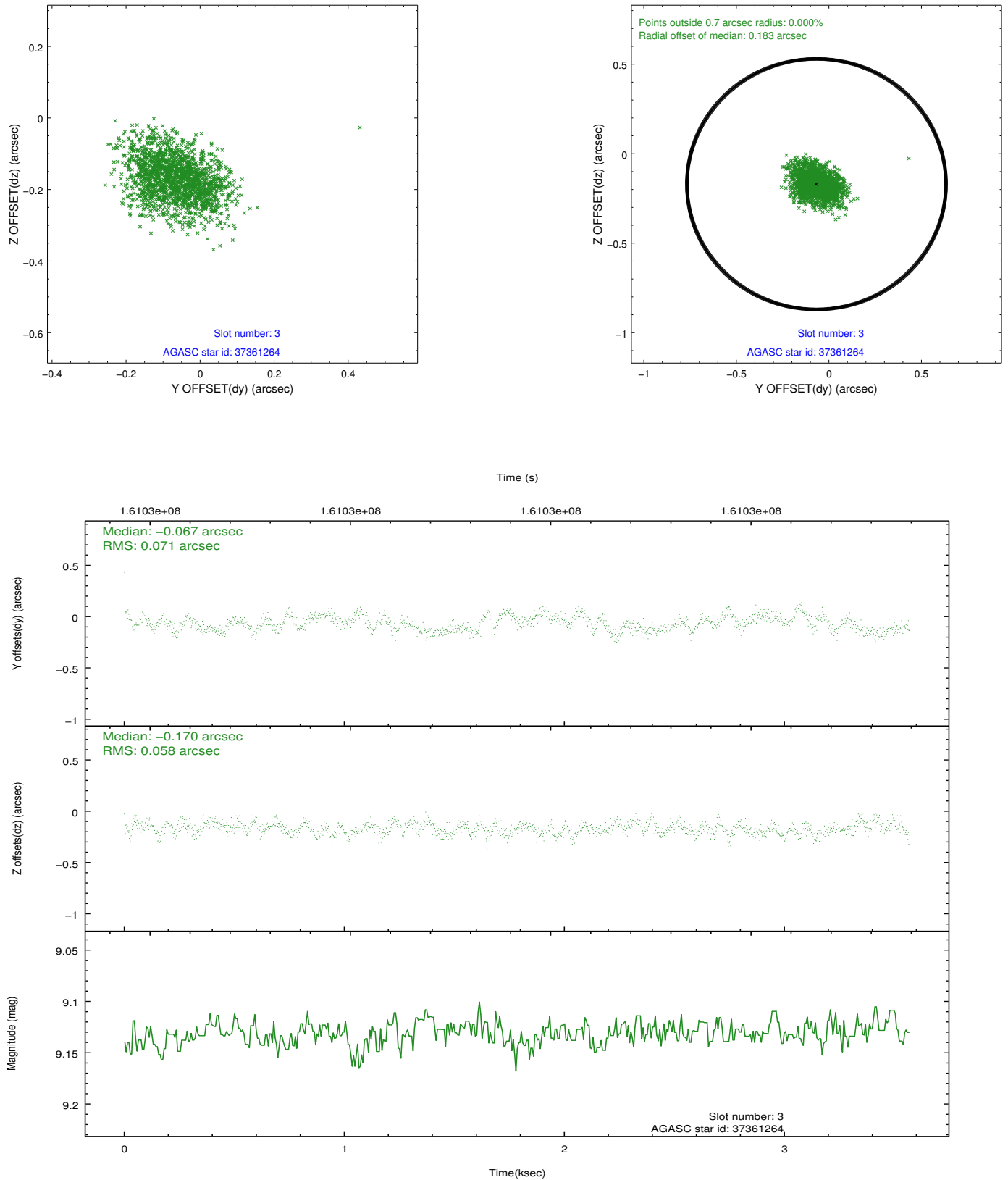


Slot Statistics

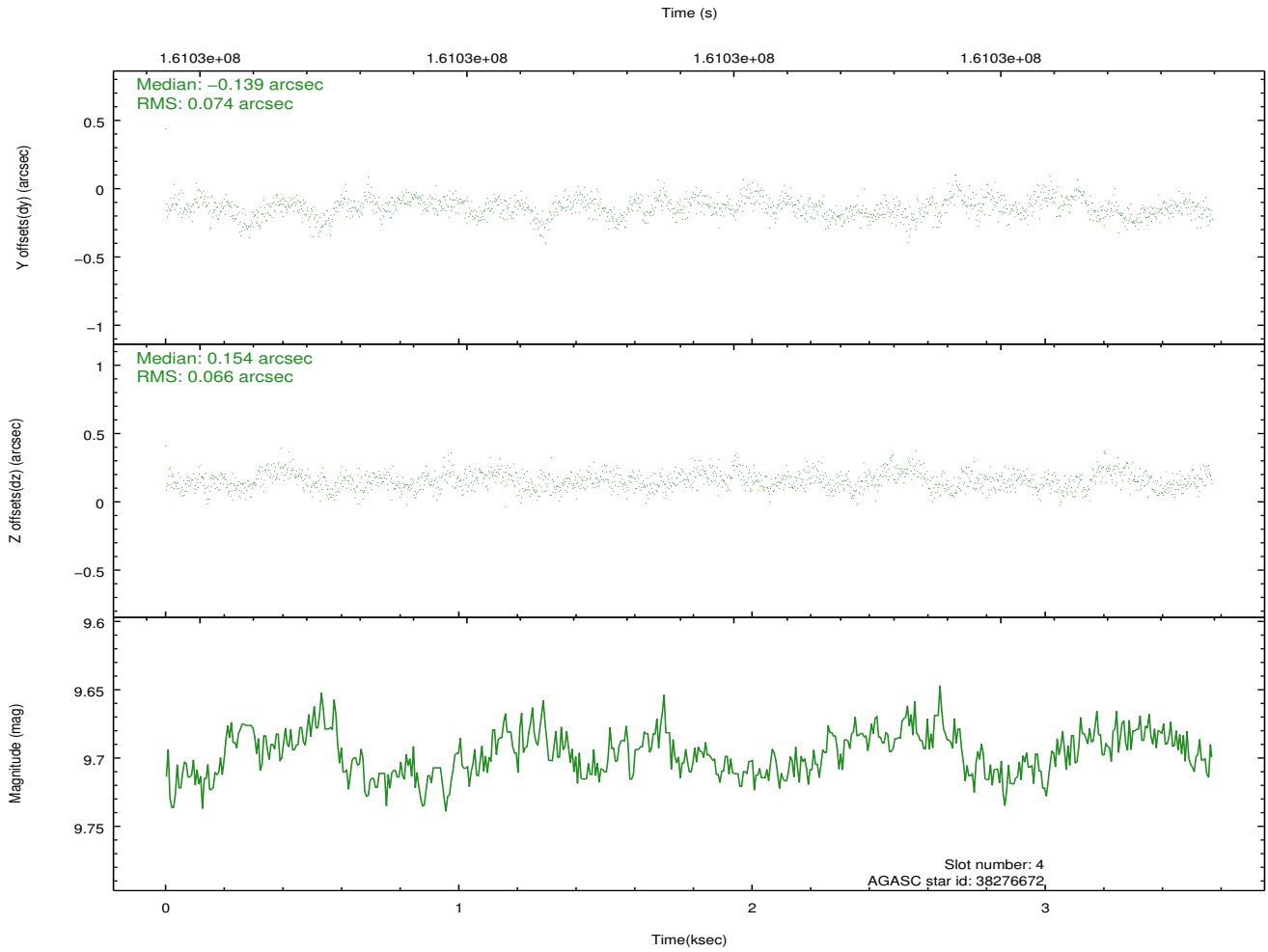
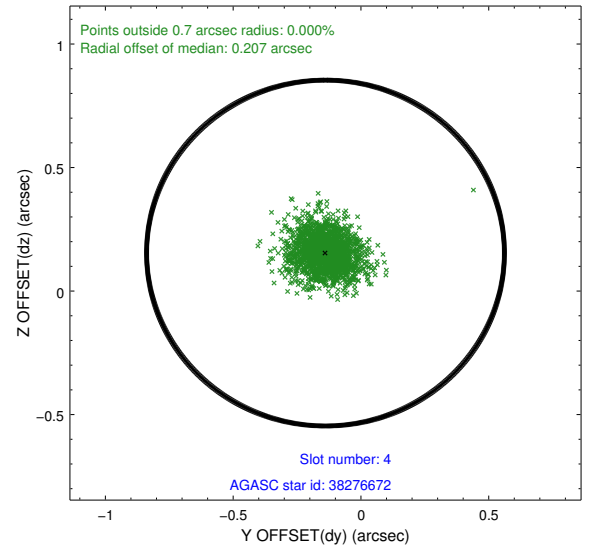
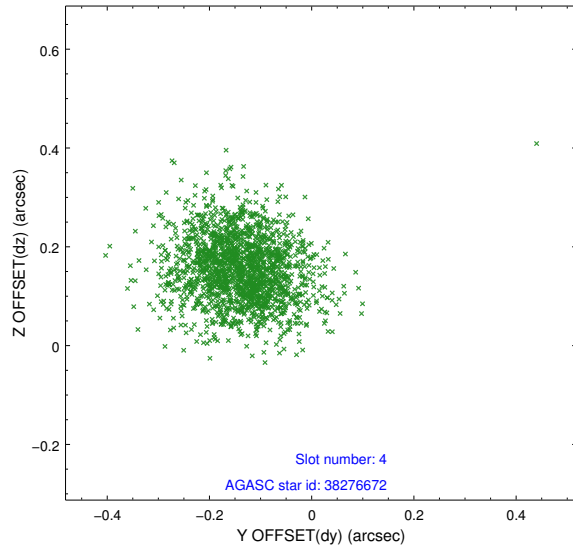
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	871	-0.010	-0.011	0.007	0.011	0.000000	0.000000	-755.80	-1729.25
1	FID	ACIS-S-4	7.20	871	-0.005	0.008	0.006	0.010	0.000000	0.000000	2156.69	177.42
2	FID	ACIS-S-5	7.24	871	-0.016	0.012	0.007	0.013	0.000000	0.000000	-1806.37	173.12
3	GUIDE	37361264	9.13	1741	-0.067	-0.170	0.098	0.154	187.071456	3.270817	261.33	1989.61
4	GUIDE	38276672	9.70	1742	-0.139	0.154	0.104	0.172	188.117492	3.340615	1665.60	-1504.91
5	GUIDE	37363176	10.10	1739	0.022	-0.119	0.121	0.195	187.349750	3.163657	205.27	918.19
6	GUIDE	37356352	7.64	1742	0.006	-0.037	0.063	0.097	187.433784	2.618460	-1568.09	24.33
7	GUIDE	37880408	10.07	1738	0.183	0.166	0.153	0.244	187.758191	2.290324	-2330.39	-1451.43

2.4 Star Slots

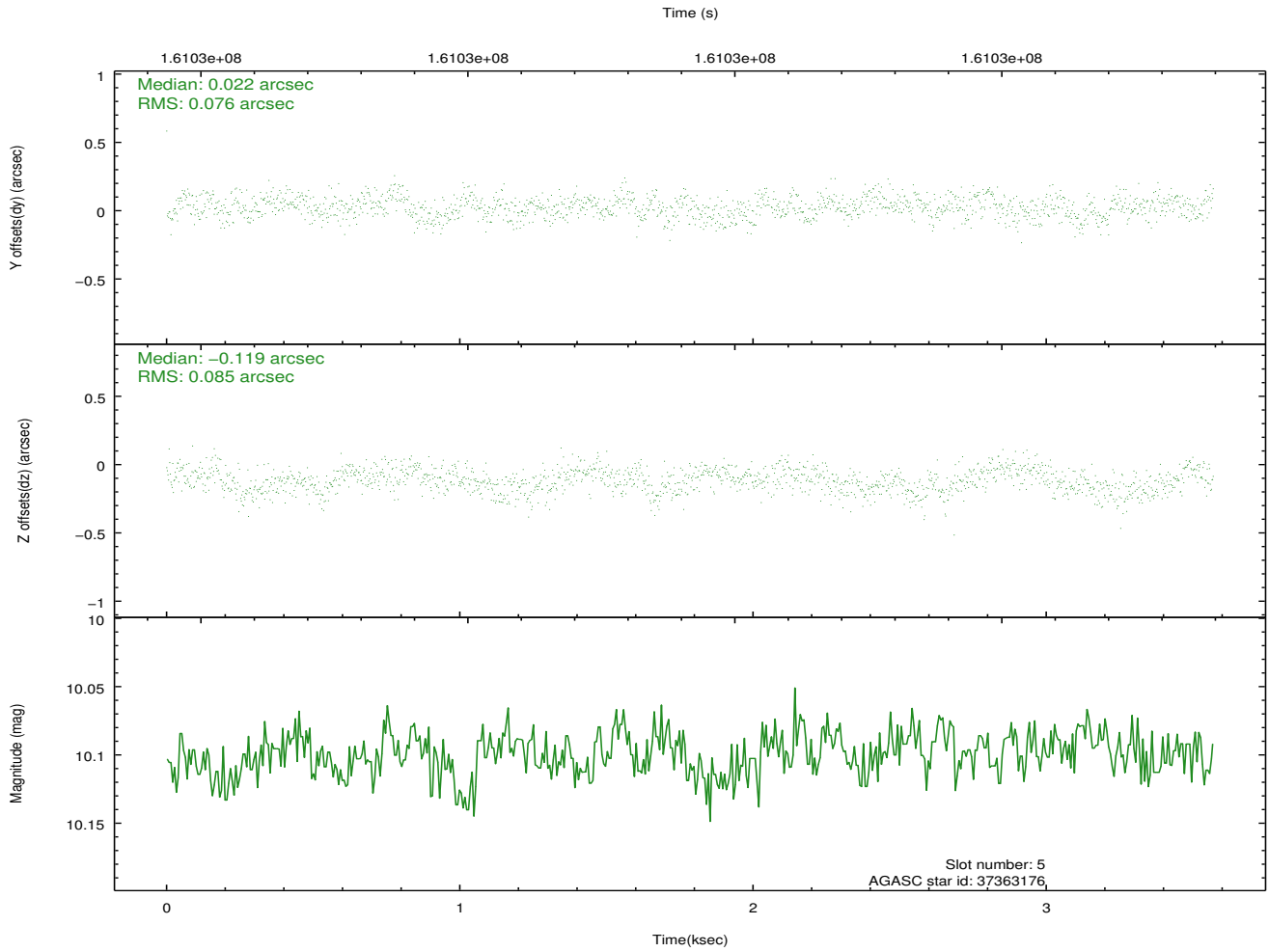
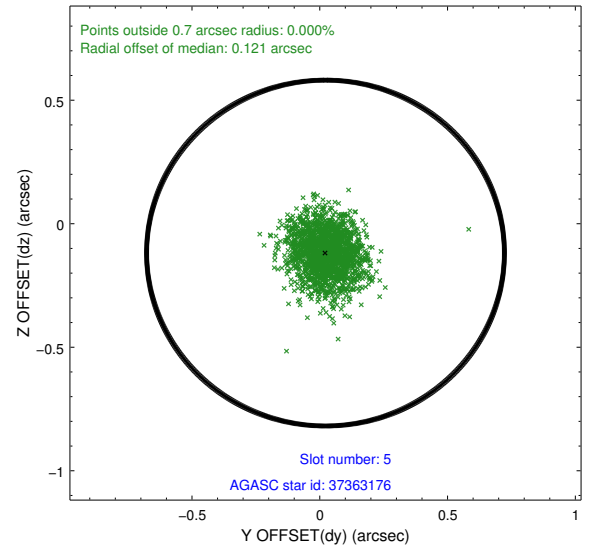
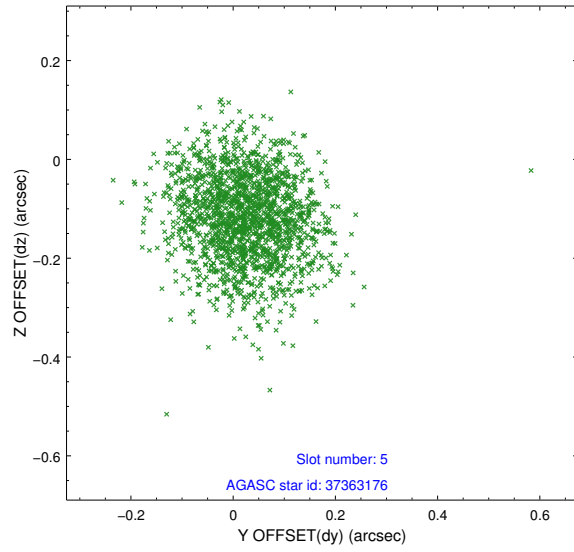
2.4.1 Slot 3



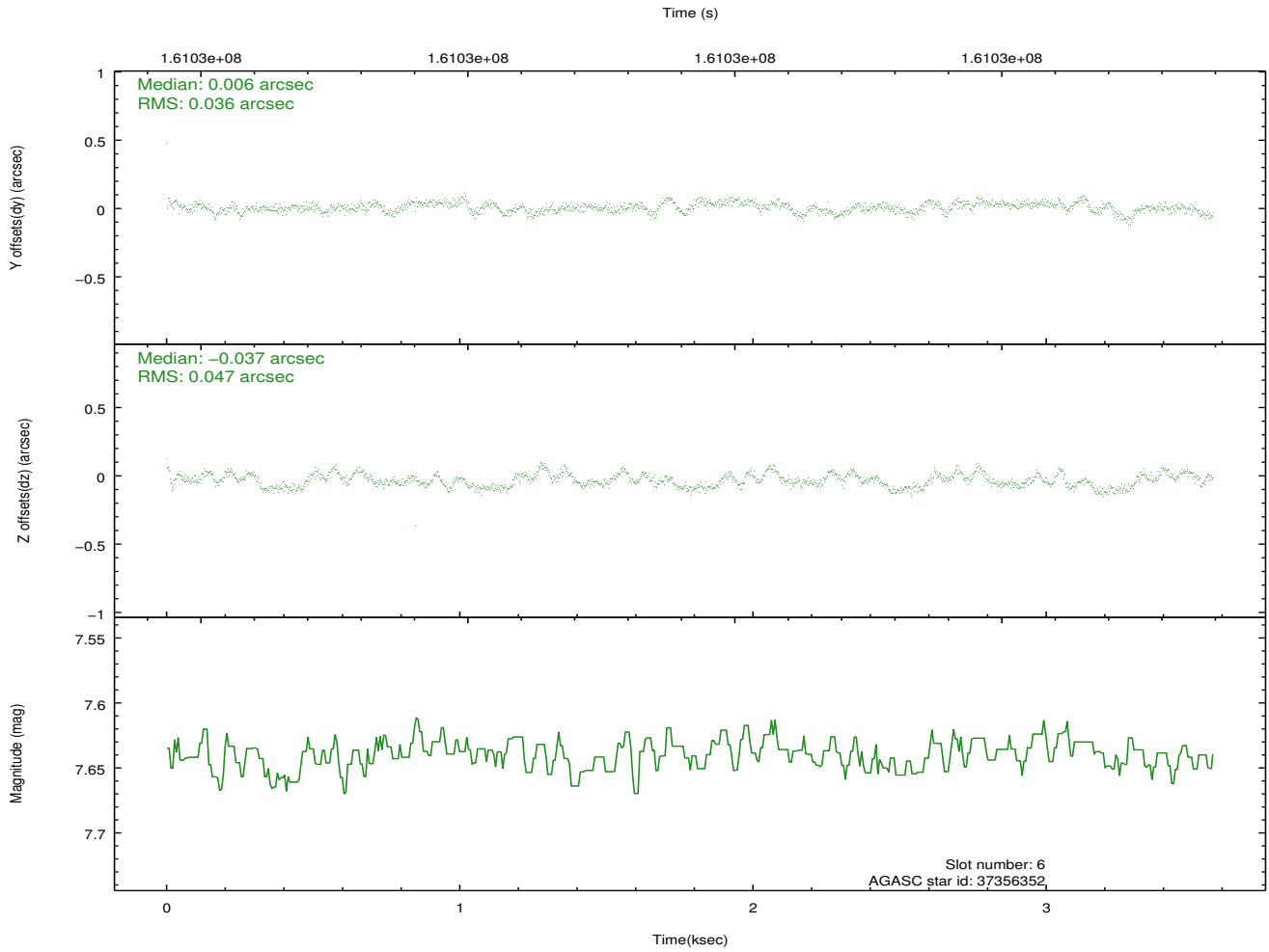
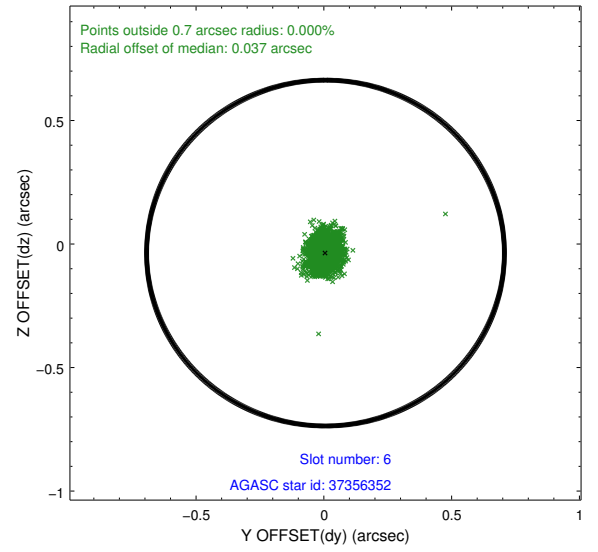
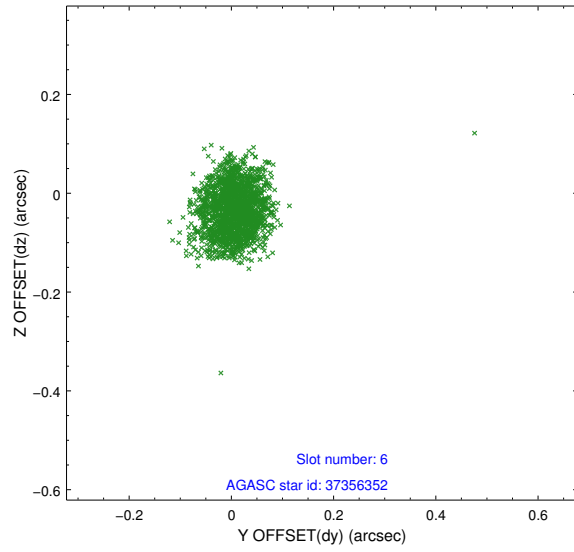
2.4.2 Slot 4



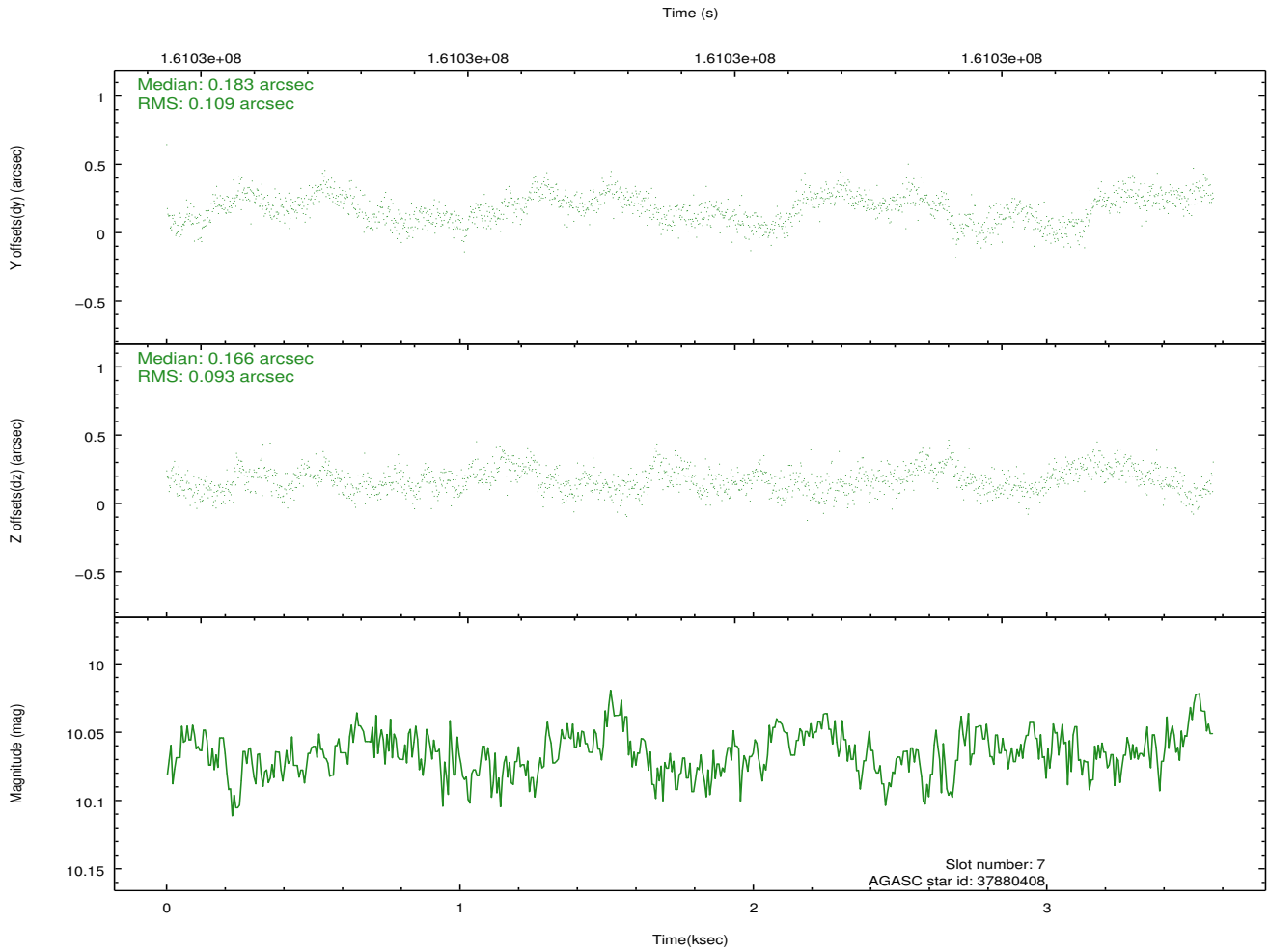
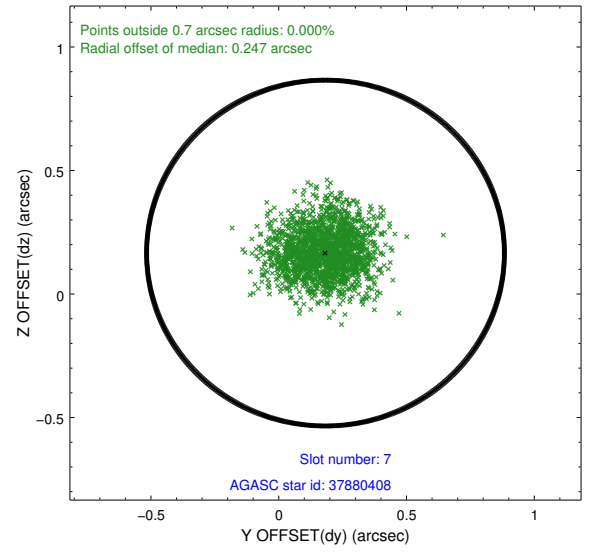
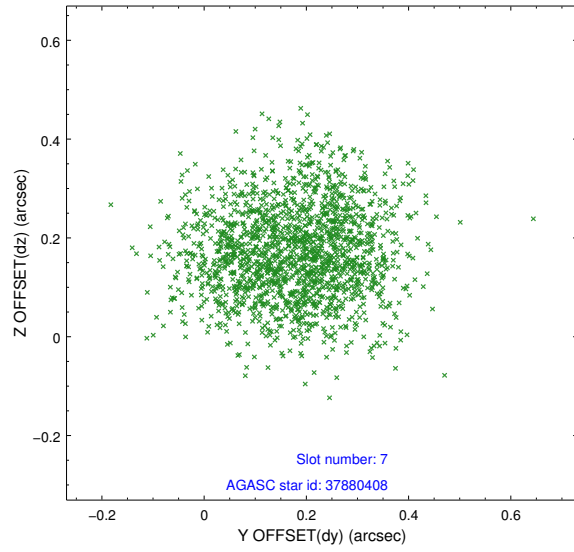
2.4.3 Slot 5



2.4.4 Slot 6

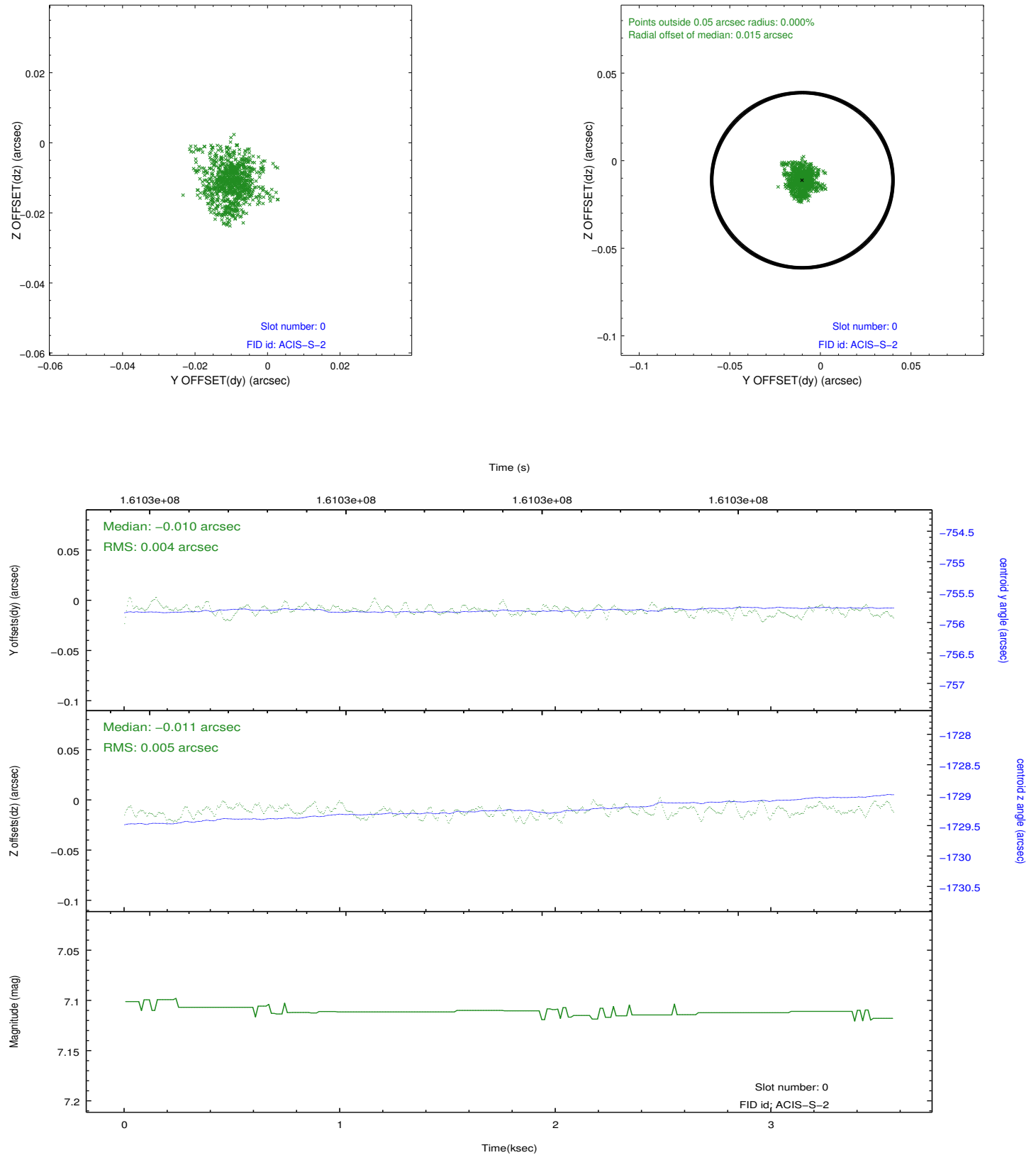


2.4.5 Slot 7

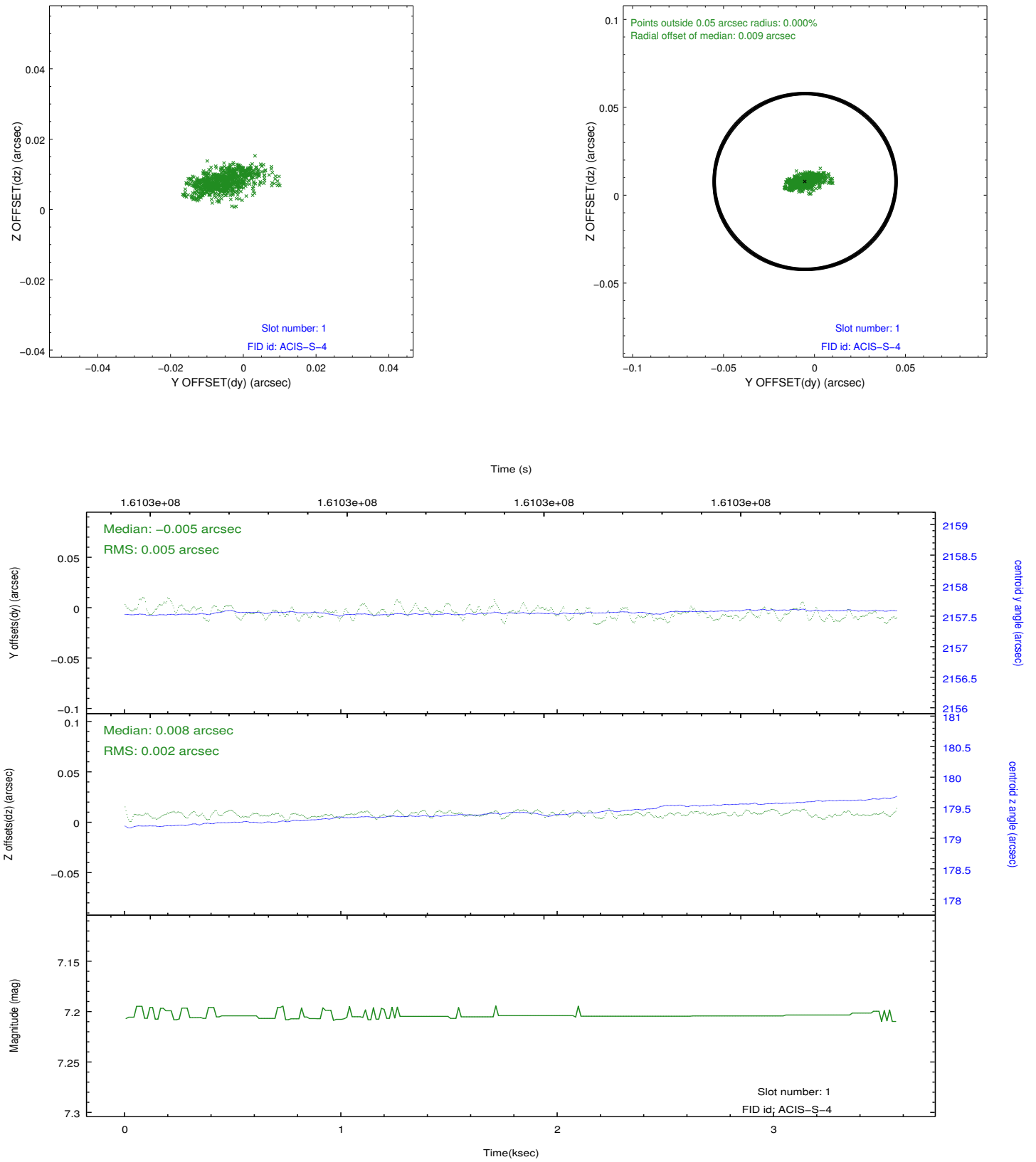


2.5 FID Slots

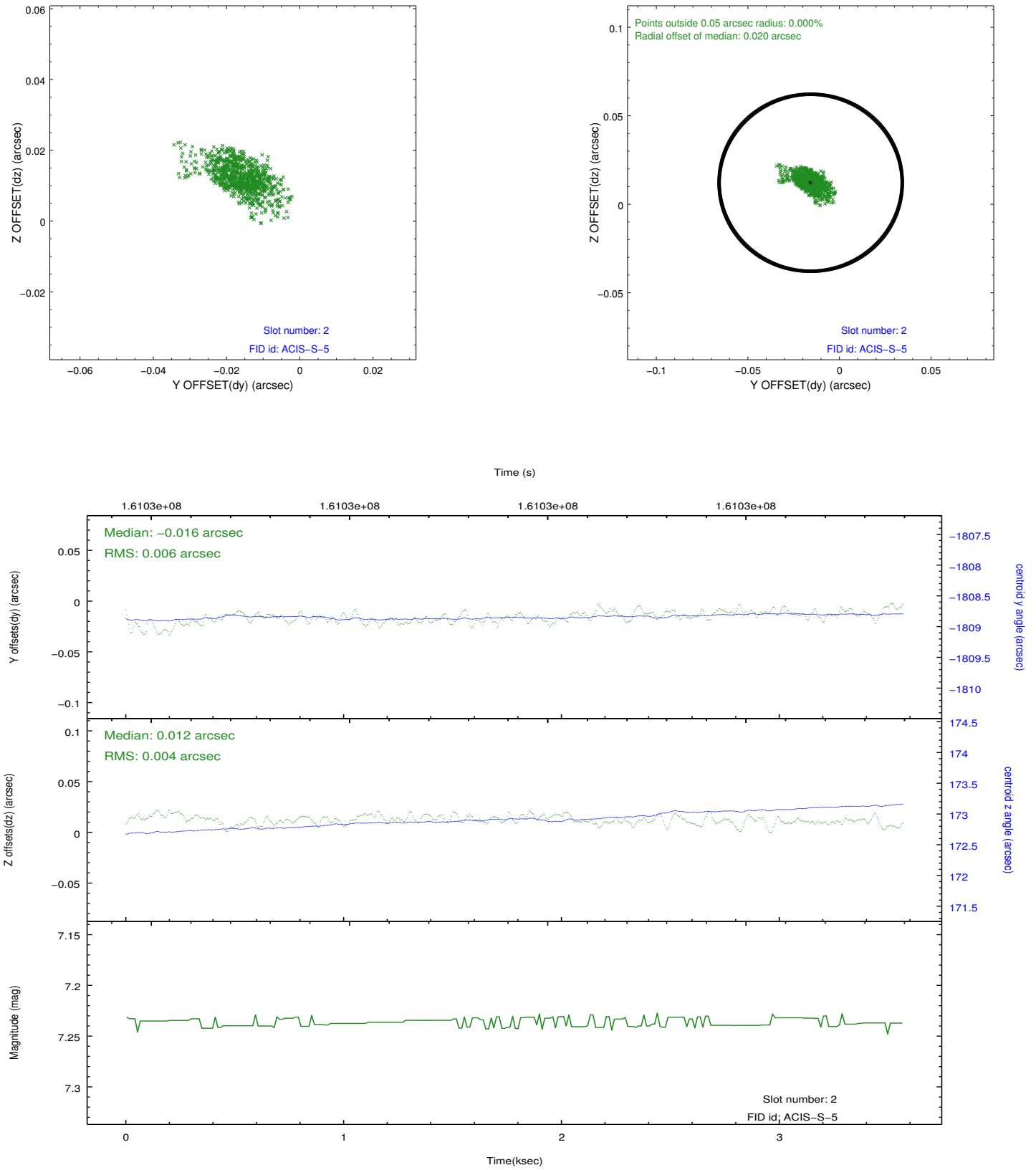
2.5.1 Slot 0



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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.561

A.2 Comments