

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2885 - L2 Version 3
Chandra X-Ray Center

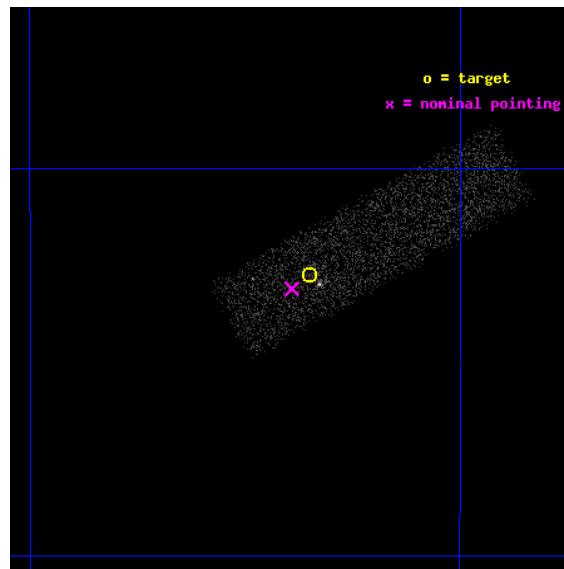
L2 Processing Date : Oct 7 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

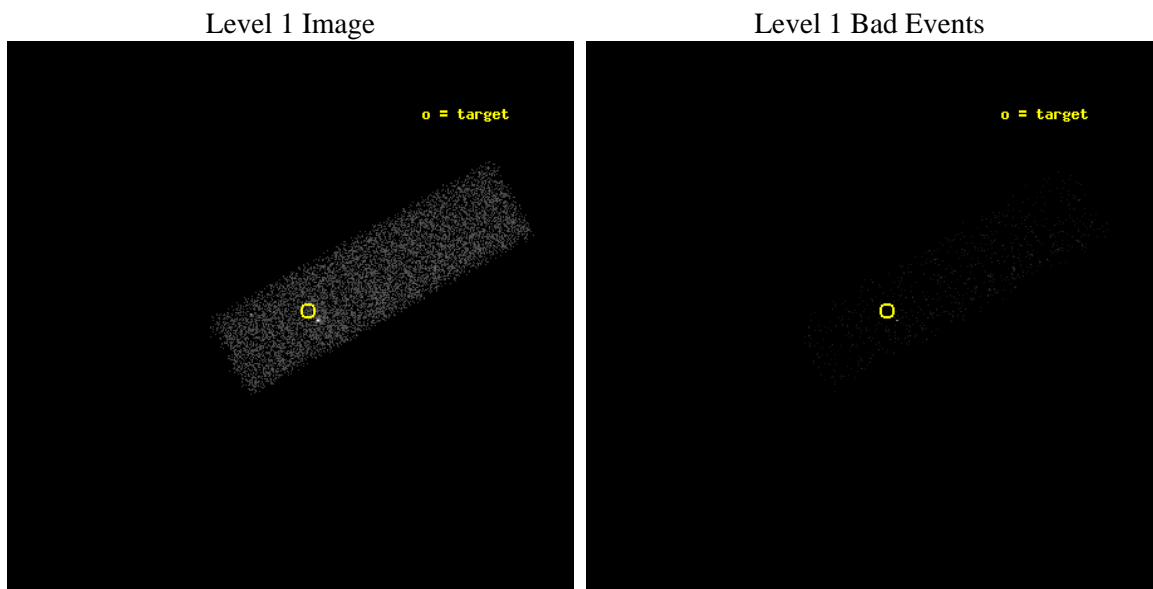
seq_num	600222	Sequence number
obs_id	2885	Observation id
title	LUMINOUS NON-NUCLEAR X-RAY SOURCES IN NEARBY GALAXIES	Proposal tit
observer	Prof. Philip Kaaret	Principal investigator
object	NGC 5408	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.837917	Observer's specified target RA [deg]
dec_targ	-41.378889	Observer's specified target Dec [deg]
ra_nom	210.84793556273	Nominal RA [deg]
dec_nom	-41.384980896788	Nominal Dec [deg]
roll_nom	330.83398140052	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4923.159053266	Sum of GTIs [s]
livetime	4682.9250007287	Livetime [s]
ontime7	4923.159053266	Sum of GTIs [s]
l2events	6737	Number of level 2 events



2 OBI

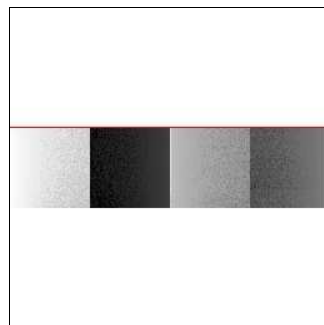
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4923.159053266	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4923.159053266	Sum of GTIs [s]
date	2012-10-07T08:42:38	Date and time of file creation	l1events	14005	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	14005
rejected events	7095
rejected %	50%

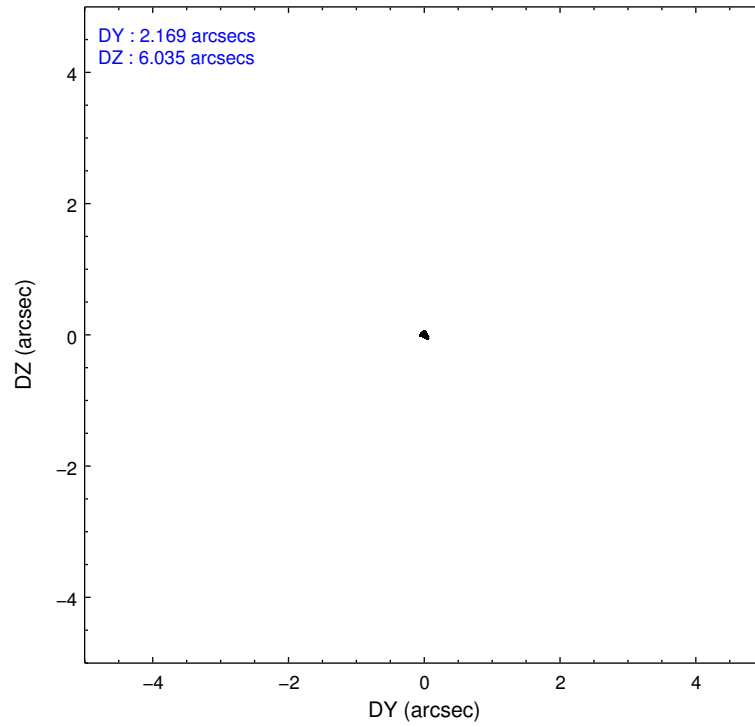
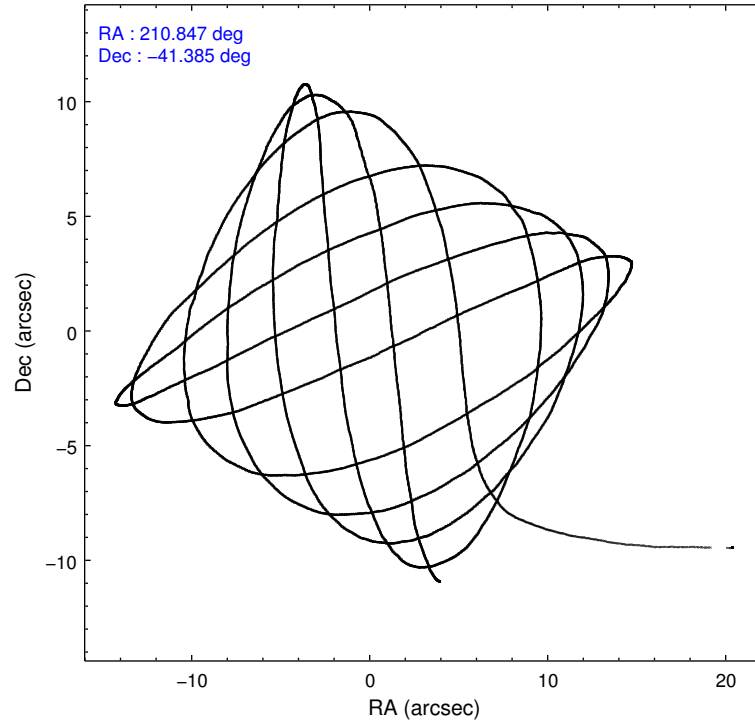
	ccd 7
grade 0 events	1278
	9%
grade 1 events	21
	0%
grade 2 events	1571
	11%
grade 3 events	850
	6%
grade 4 events	863
	6%
grade 5 events	1133
	8%
grade 6 events	2935
	20%
grade 7 events	5354
	38%

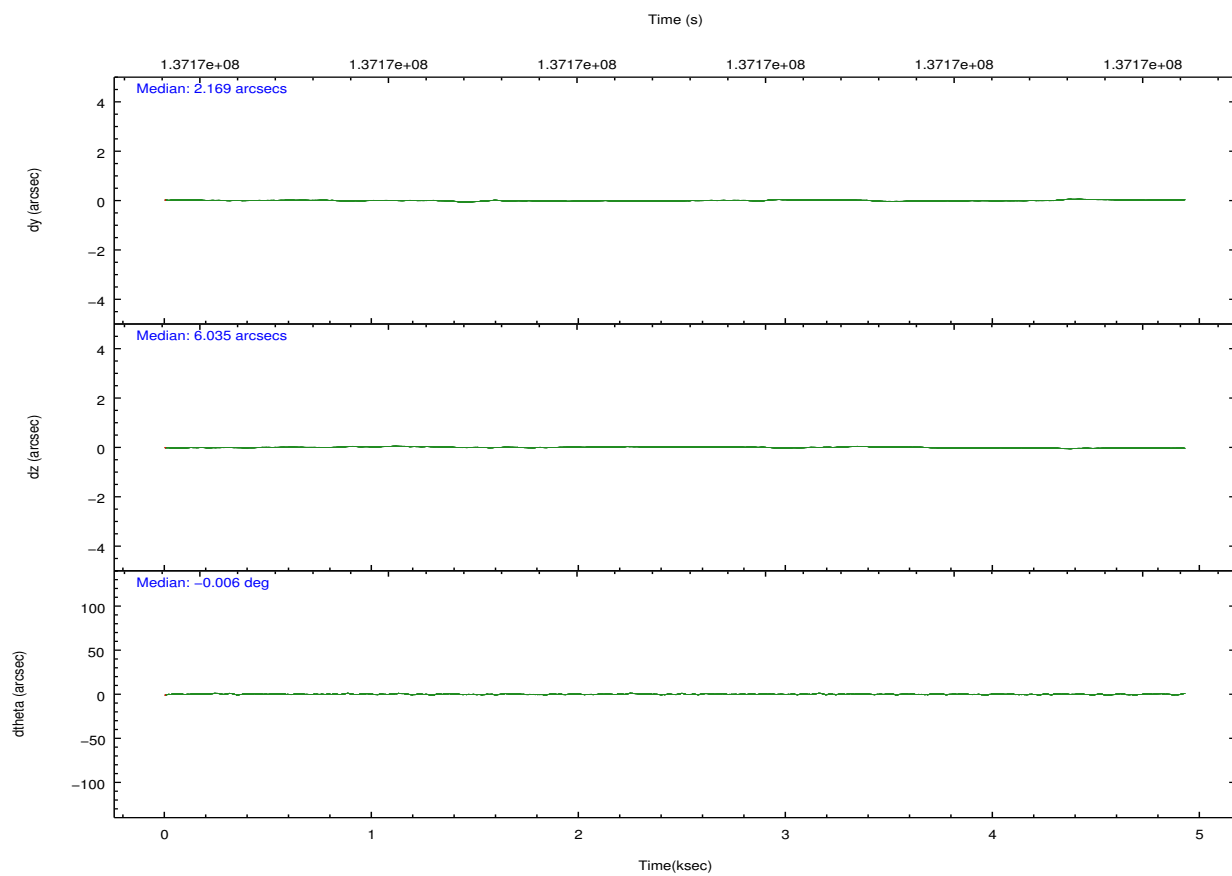
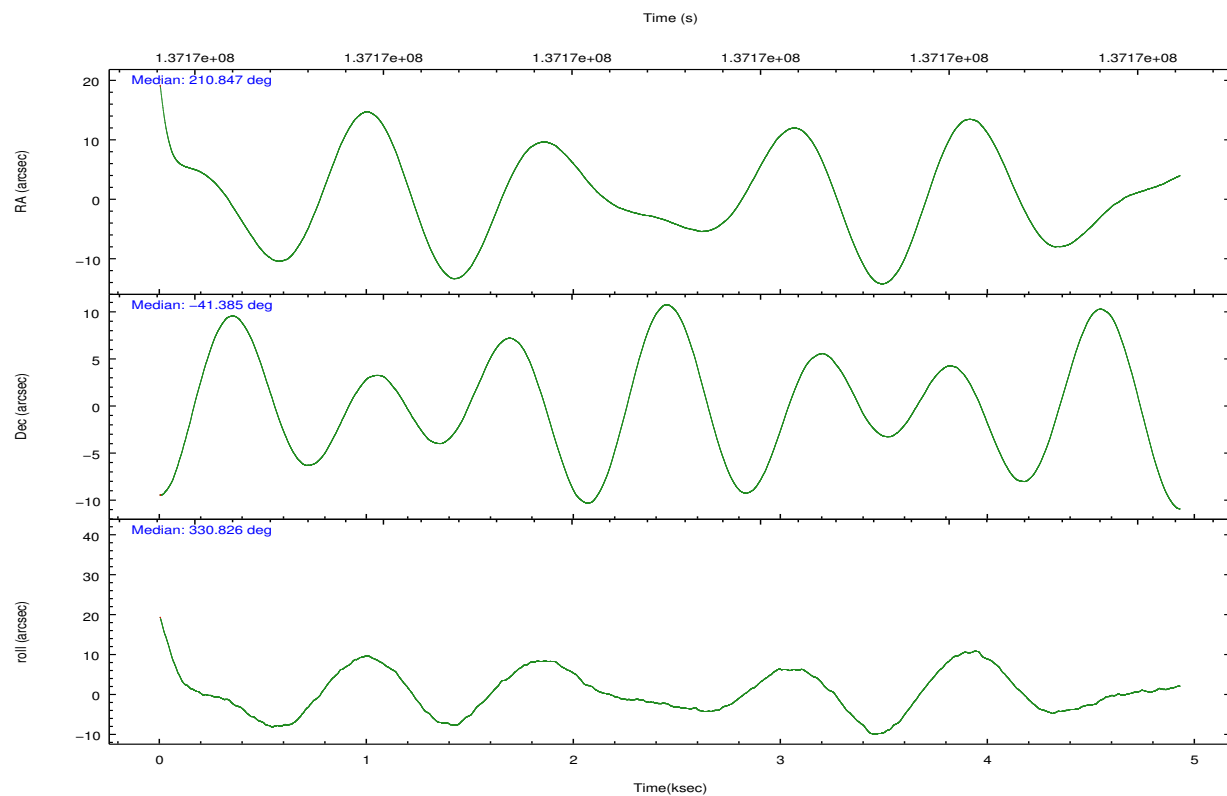
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	210.811606	210.8479355627327
[deg] Pointing Dec	-41.385773	-41.38498089678775
[deg] Pointing Roll	330.653306	330.8339814005152
[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)	137167386.184000	137166347.5043
Observation start date	2002-05-07T14:02:02	2002-05-07T13:45:47
[s] Observation end time (MET)	137171986.184000	137172656.37956
Observation end date	2002-05-07T15:18:42	2002-05-07T15:30:56
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	384	385
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



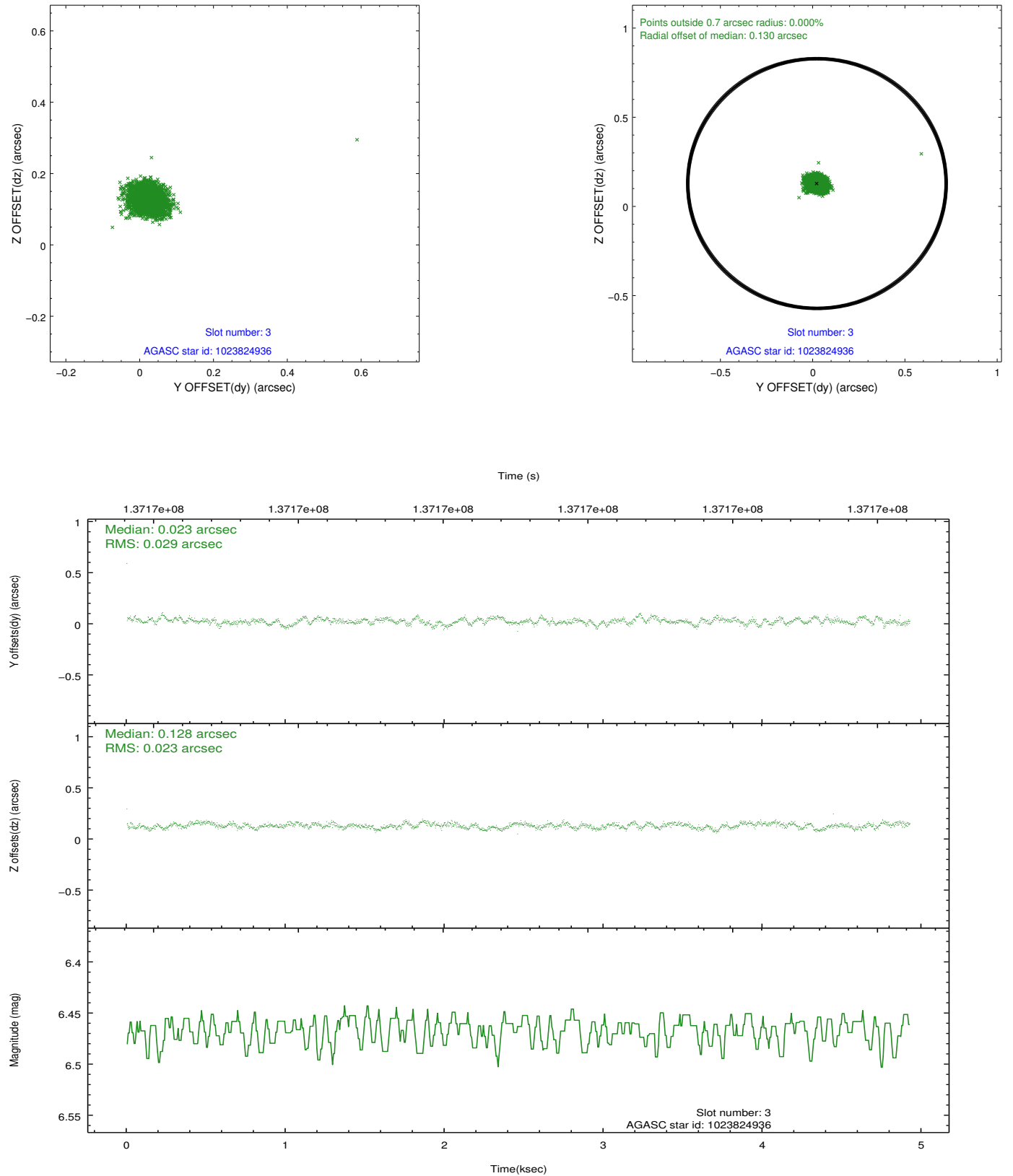


Slot Statistics

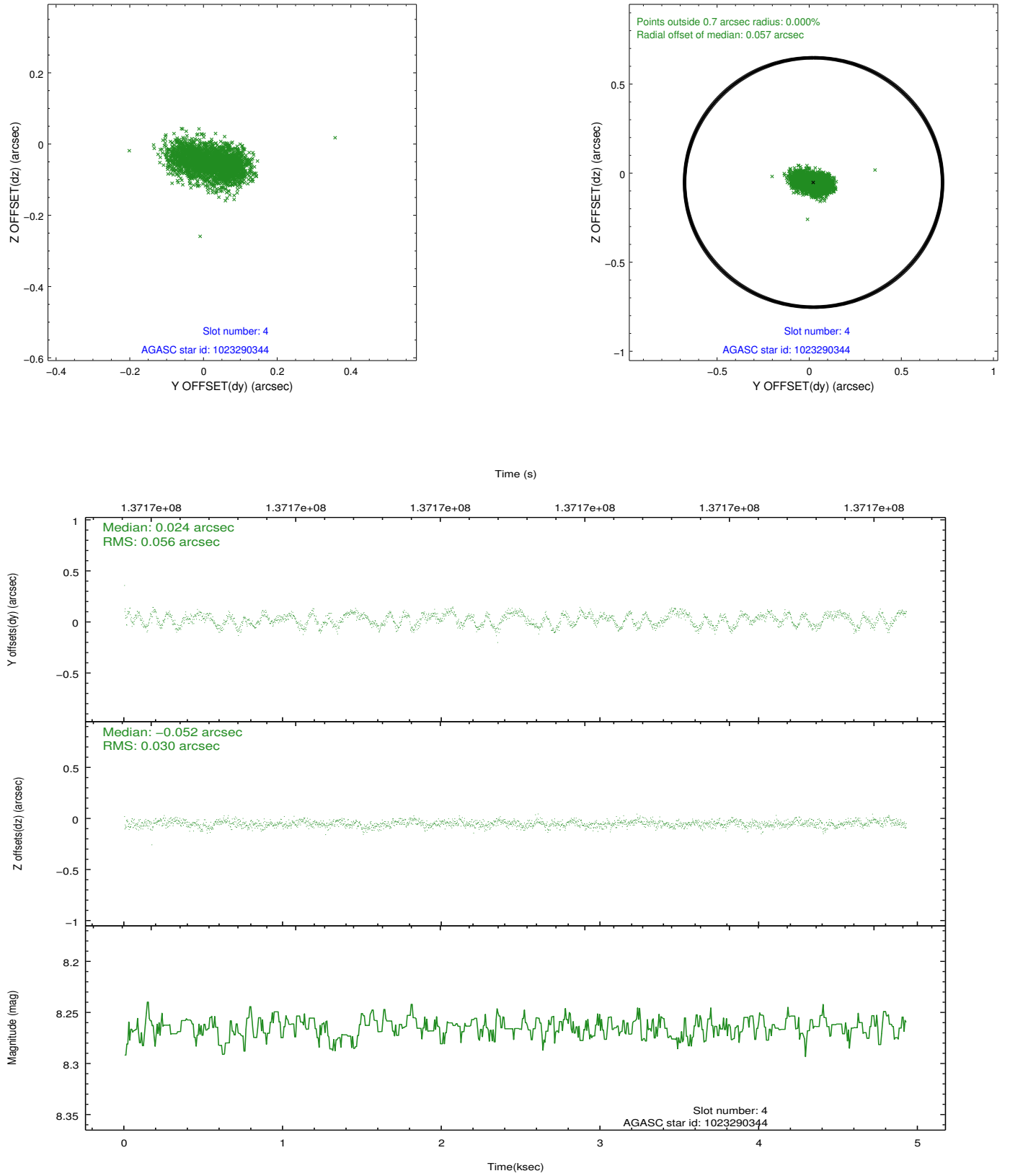
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1202	-0.048	-0.001	0.007	0.011	0.000000	0.000000	-754.79	-1727.14
1	FID	ACIS-S-4	7.21	1202	-0.006	0.024	0.005	0.010	0.000000	0.000000	2157.92	180.16
2	FID	ACIS-S-5	7.24	1202	0.023	-0.013	0.007	0.011	0.000000	0.000000	-1806.02	175.10
3	GUIDE	1023824936	6.47	2403	0.023	0.128	0.037	0.060	210.174517	-41.875552	-620.00	-2378.99
4	GUIDE	1023290344	8.27	2403	0.024	-0.052	0.068	0.108	210.625413	-40.815319	-1447.87	1540.08
5	GUIDE	1023296712	8.84	2401	0.061	-0.028	0.069	0.110	210.774078	-40.922456	-906.11	1404.69
6	GUIDE	1023824024	7.52	2403	0.009	0.185	0.045	0.073	210.697872	-41.987484	797.42	-2036.31
7	GUIDE	1023300488	8.63	2401	-0.114	-0.229	0.064	0.102	211.542424	-41.174637	1358.83	1625.30

2.4 Star Slots

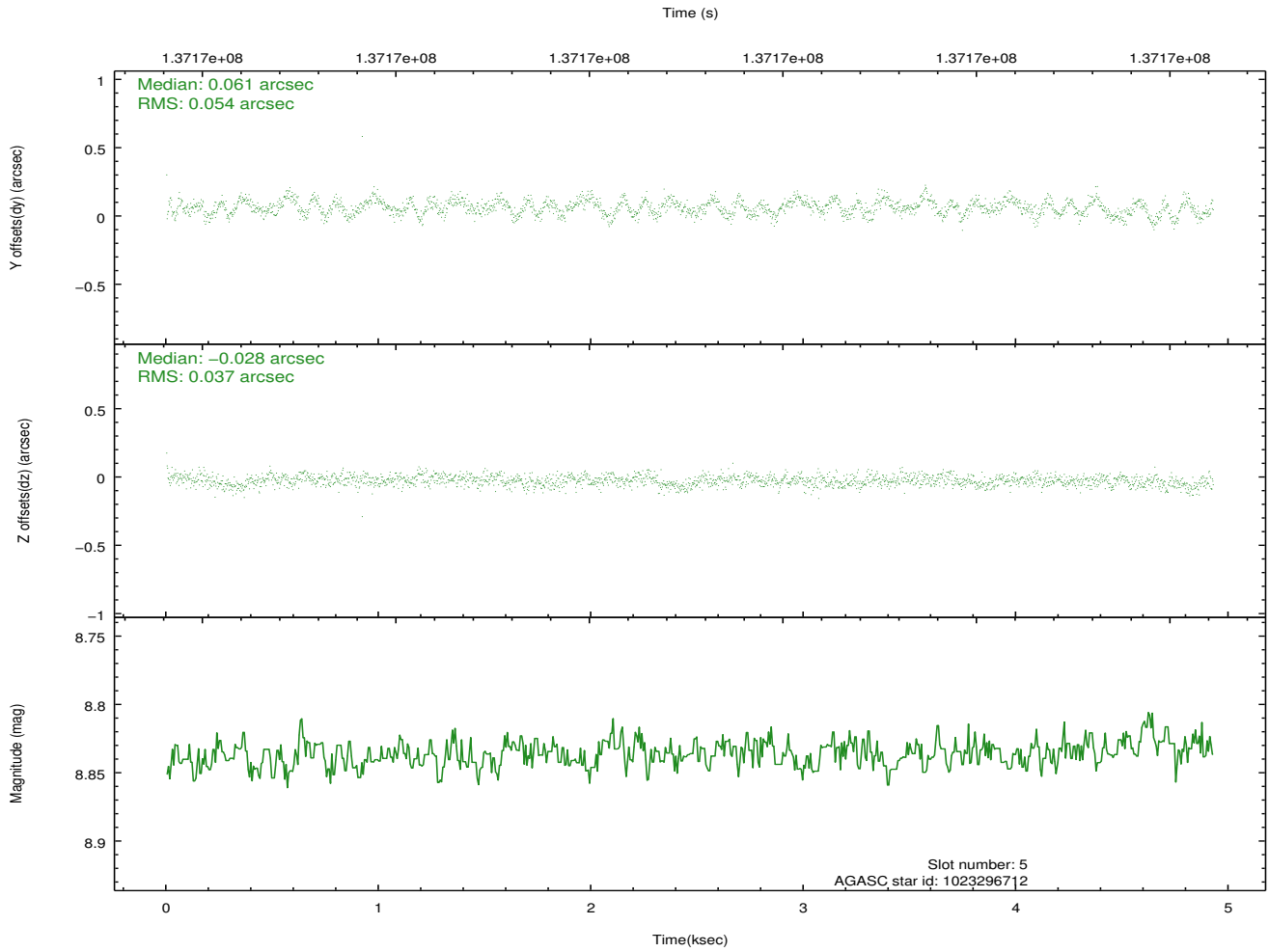
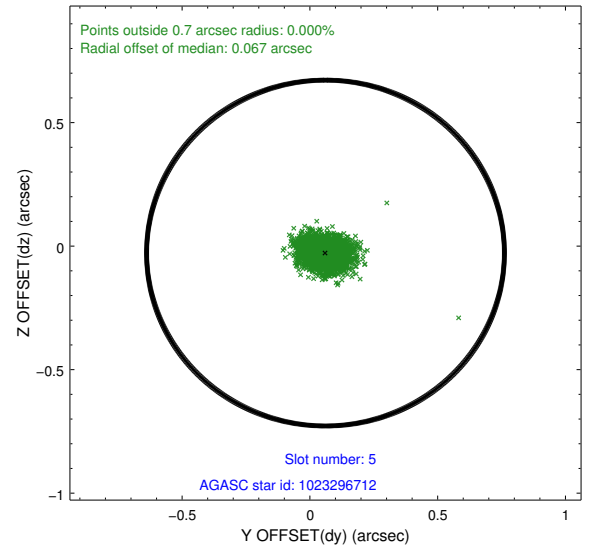
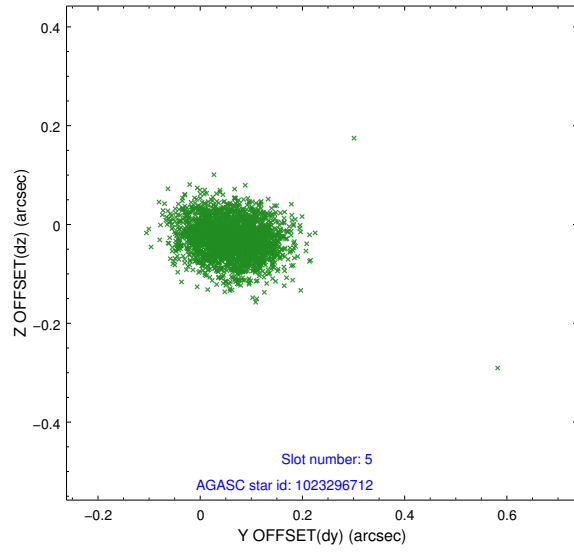
2.4.1 Slot 3



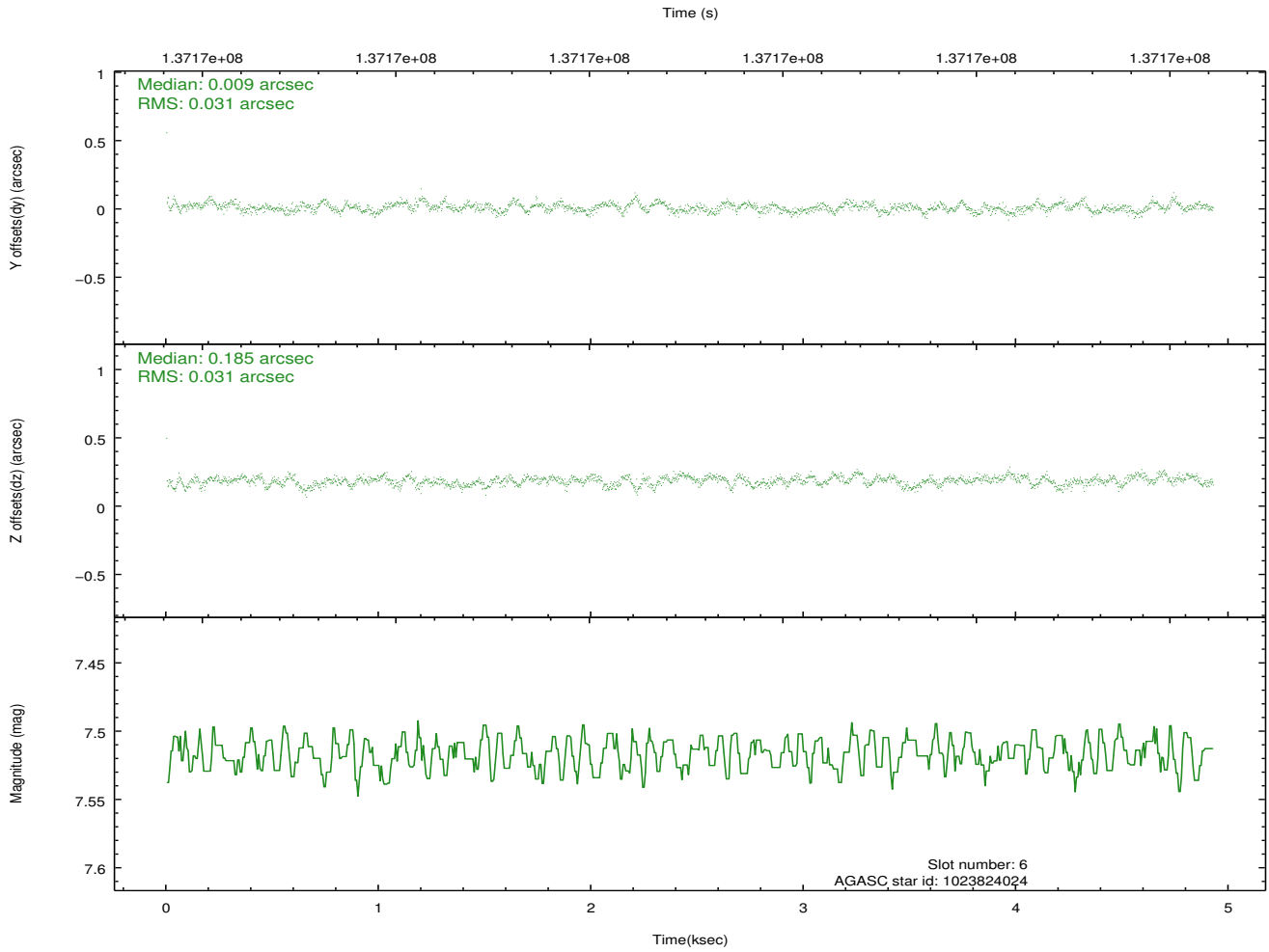
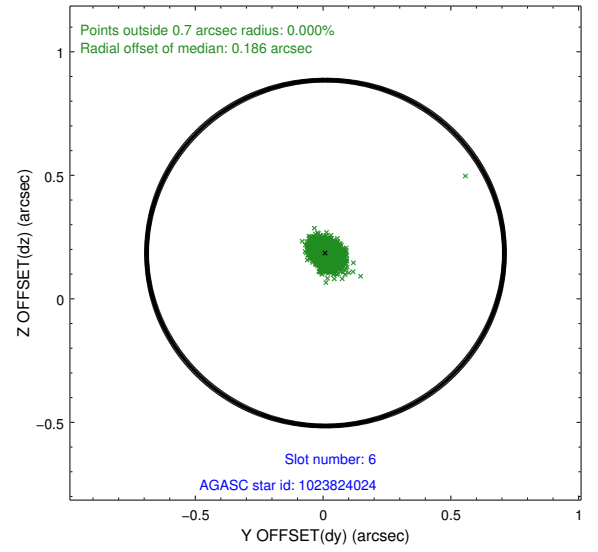
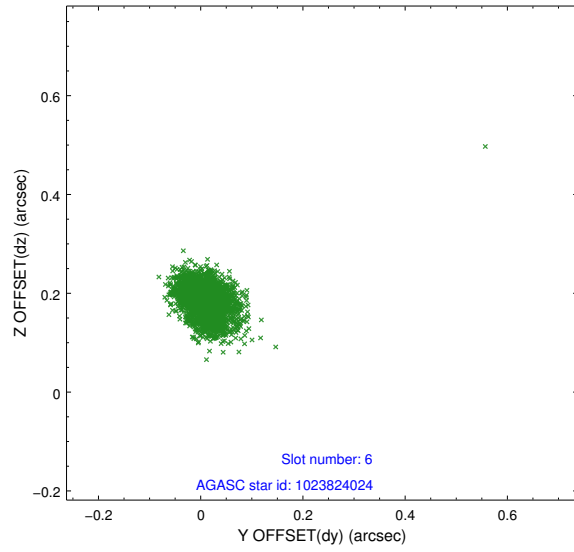
2.4.2 Slot 4



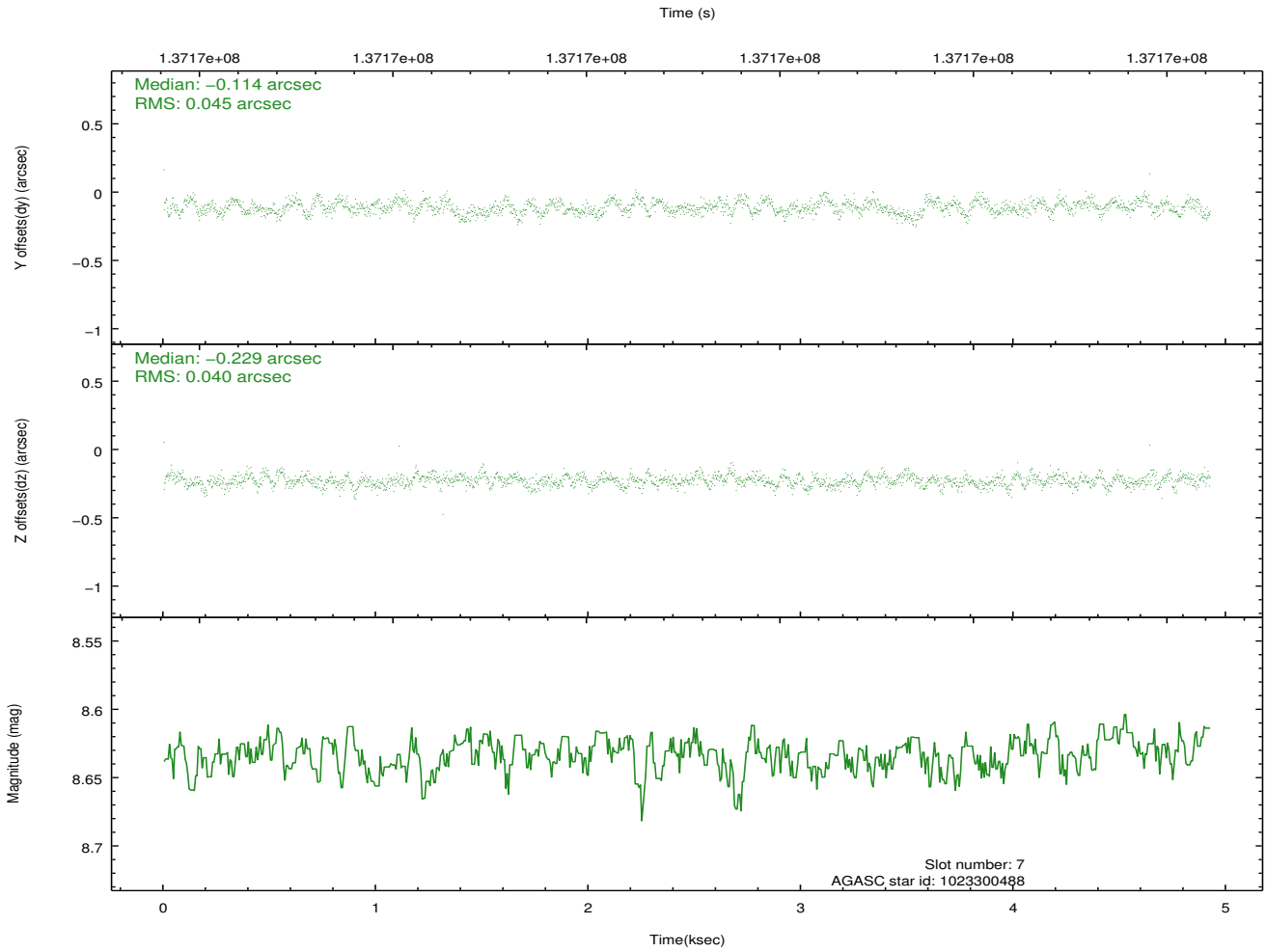
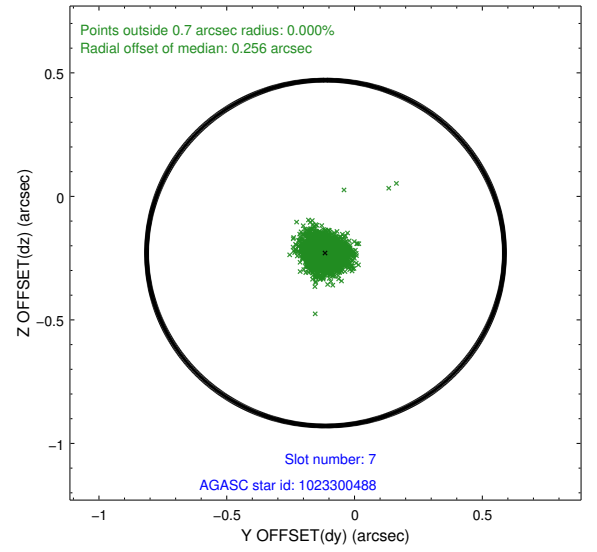
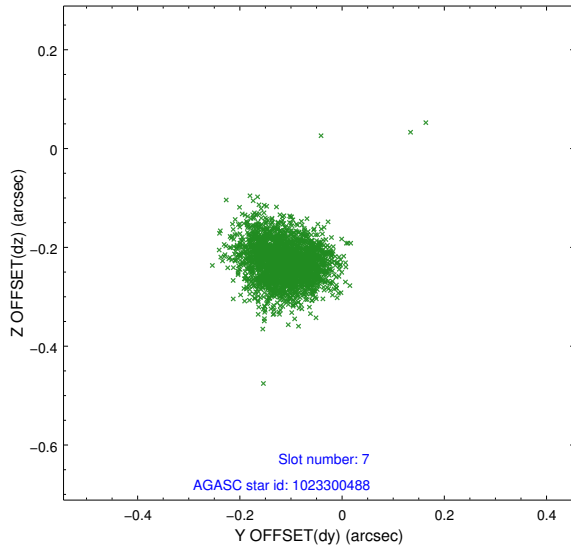
2.4.3 Slot 5



2.4.4 Slot 6

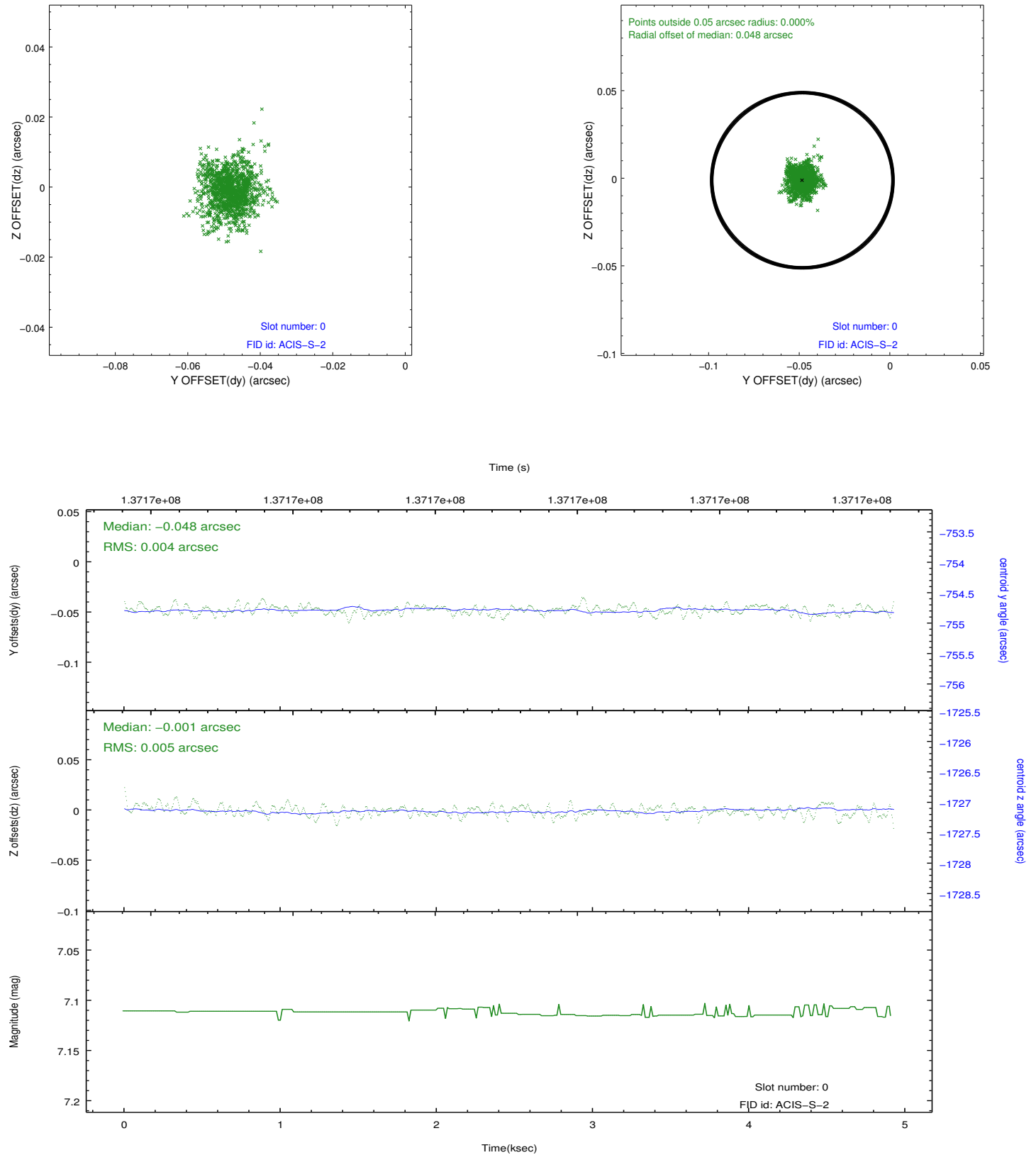


2.4.5 Slot 7

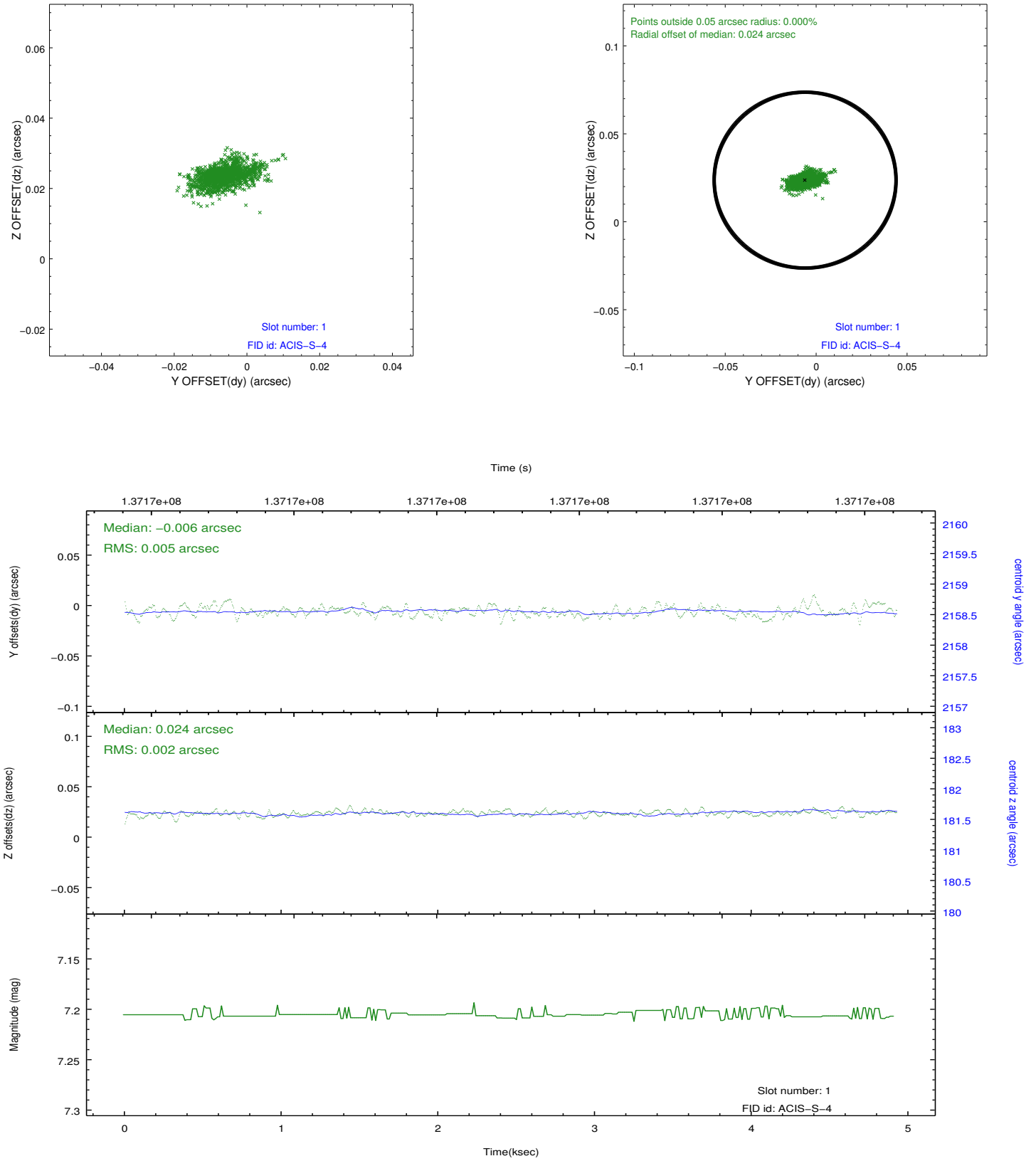


2.5 FID Slots

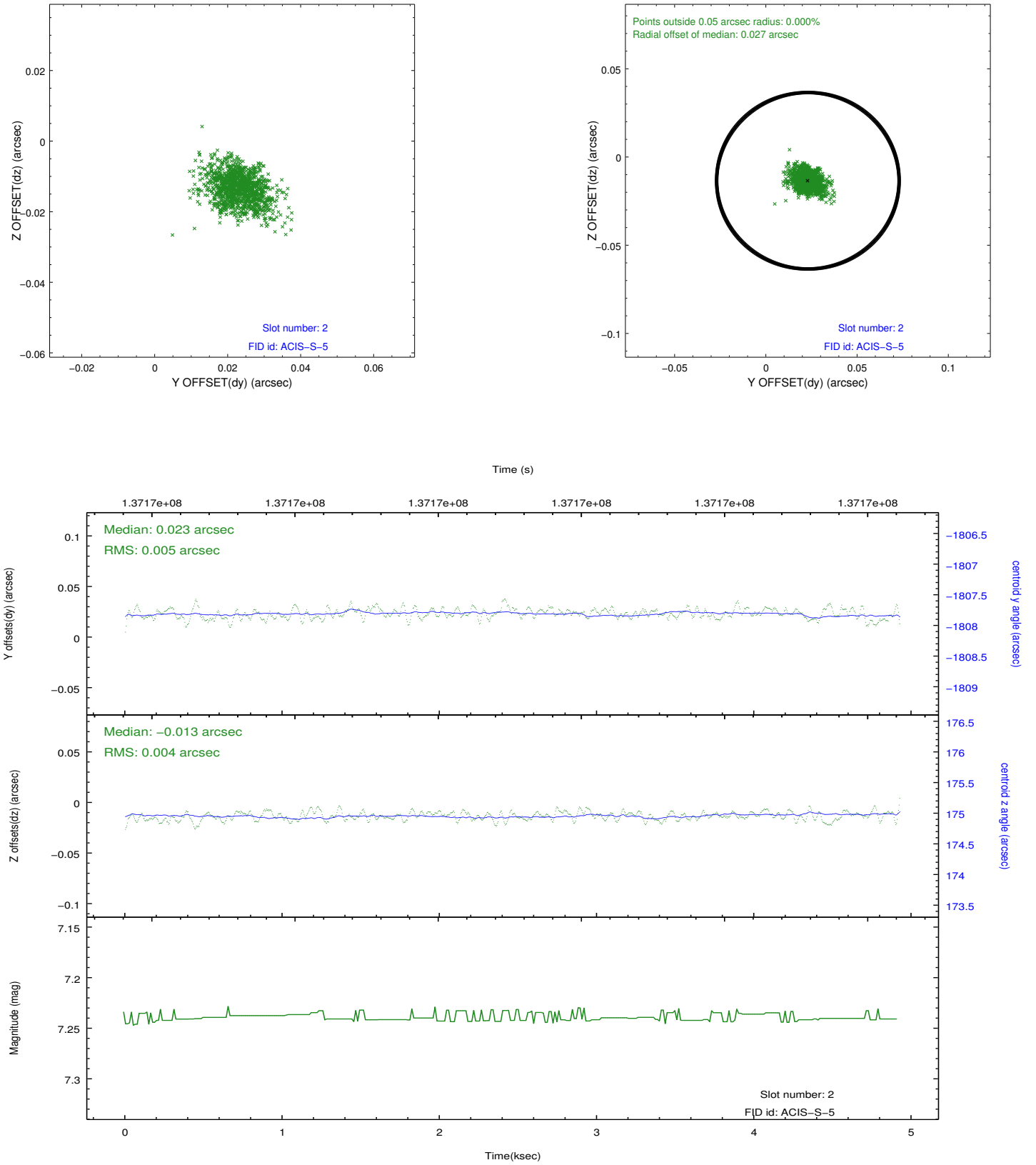
2.5.1 Slot 0



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)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.923

A.2 Comments