

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2052 - L2 Version 3
Chandra X-Ray Center

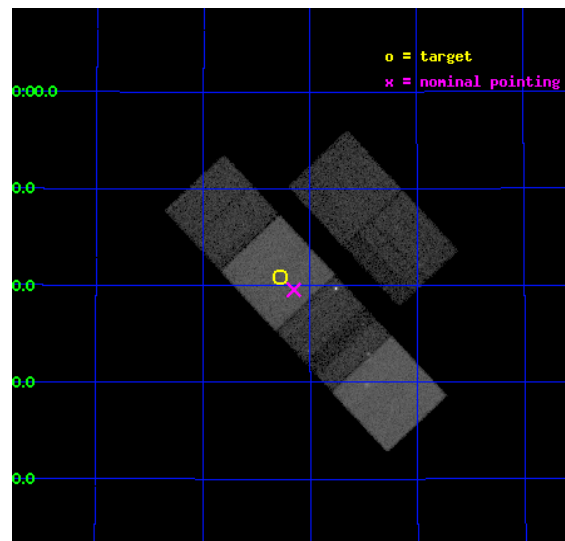
L2 Processing Date : Sep 2 2012

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1 Front

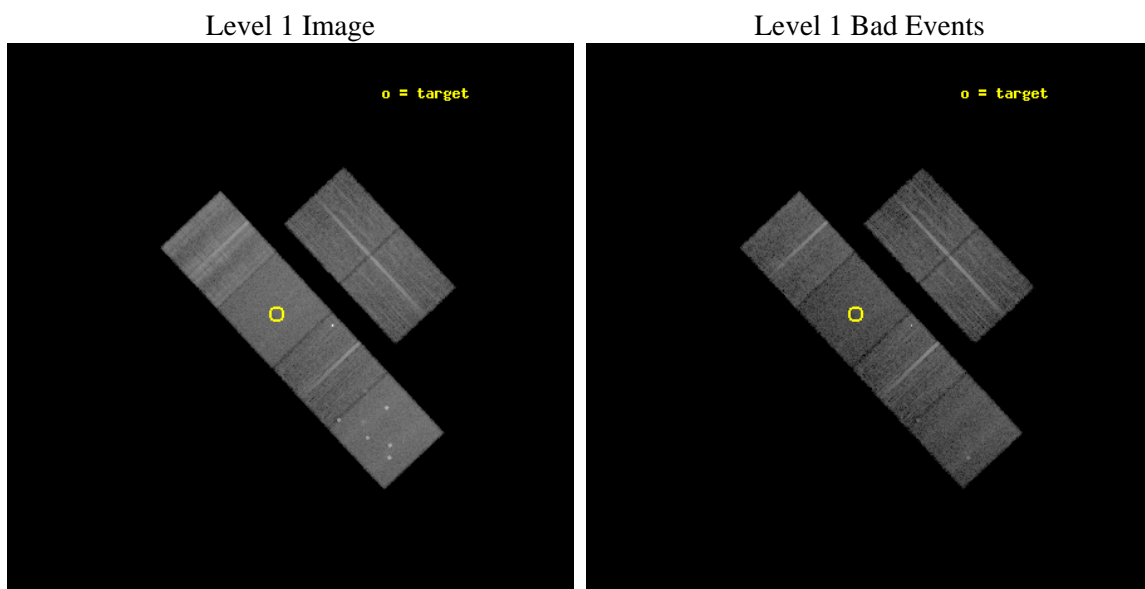
seq_num	600186	Sequence number
obs_id	2052	Observation id
title	2001: A SPACE CENSUS -- SUPERSOFT X-RAY SOURCES AND OTHER X-RAY SOURCES IN M31	Proposal title
observer	Dr. R. Di Stefano	Principal investigator
object	M31_3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.569583	Observer's specified target RA [deg]
dec_targ	41.681944	Observer's specified target Dec [deg]
ra_nom	11.538022691553	Nominal RA [deg]
dec_nom	41.659472890784	Nominal Dec [deg]
roll_nom	226.877446676	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14051.200013071	Sum of GTIs [s]
livetime	13873.275257889	Livetime [s]
ontime2	14051.200013071	Sum of GTIs [s]
ontime3	14051.200013071	Sum of GTIs [s]
ontime5	14051.200013071	Sum of GTIs [s]
ontime6	14051.200013071	Sum of GTIs [s]
ontime7	14051.200013071	Sum of GTIs [s]
ontime8	14051.200013071	Sum of GTIs [s]
l2events	178096	Number of level 2 events



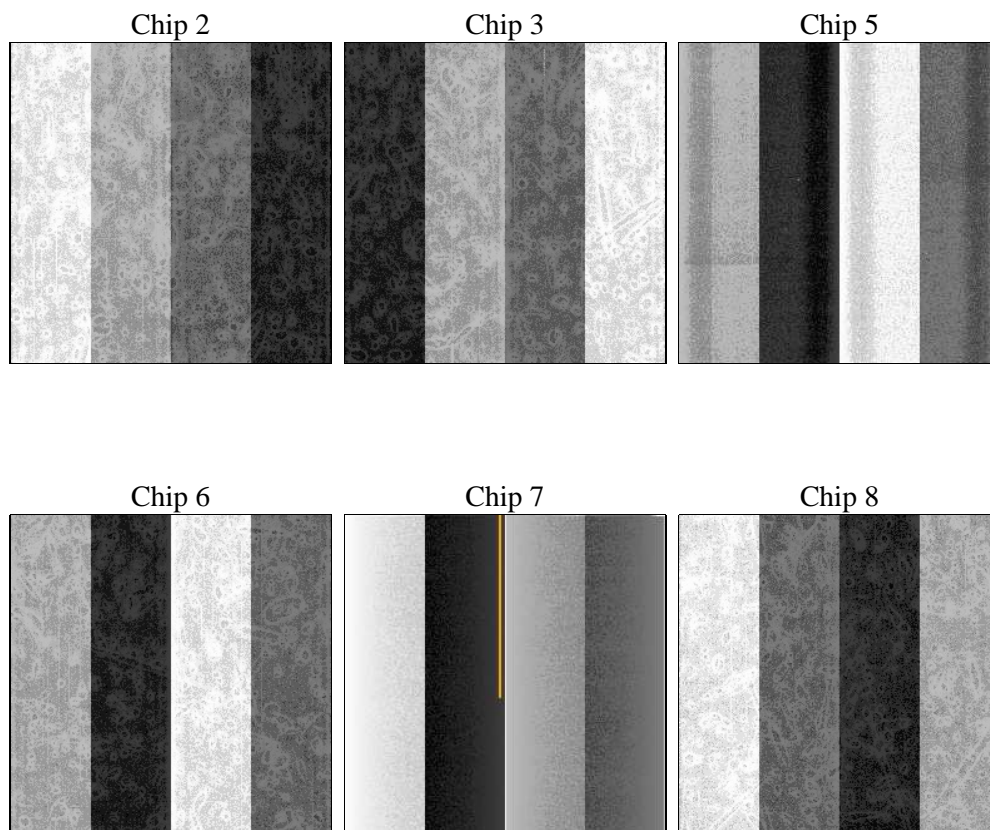
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	14051.200013071	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	14051.200013071	Sum of GTIs [s]
date	2012-09-03T00:36:20	Date and time of file creation	ontime3	14051.200013071	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14051.200013071	Sum of GTIs [s]
			ontime6	14051.200013071	Sum of GTIs [s]
			ontime7	14051.200013071	Sum of GTIs [s]
			ontime8	14051.200013071	Sum of GTIs [s]
			l1events	703722	Number of level 1 events

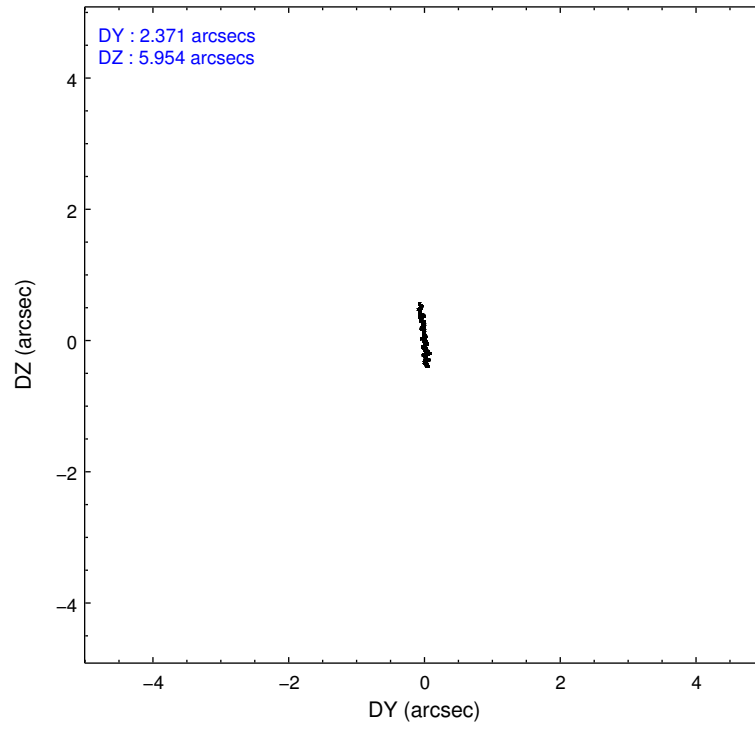
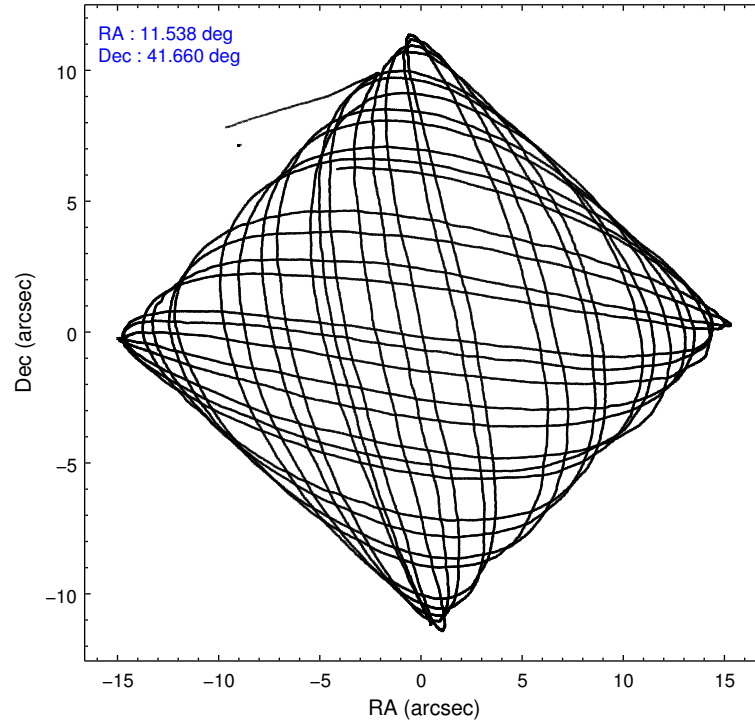
2.1.4 Events

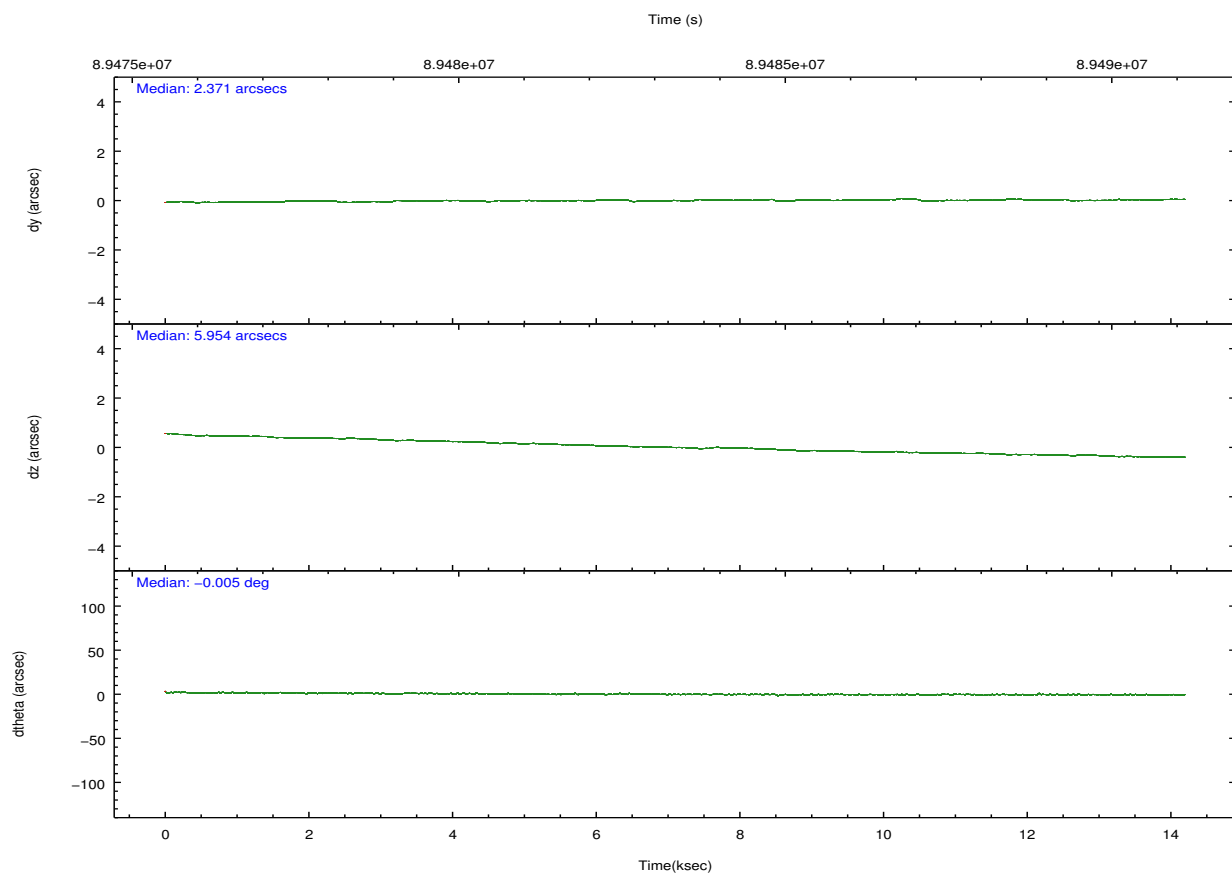
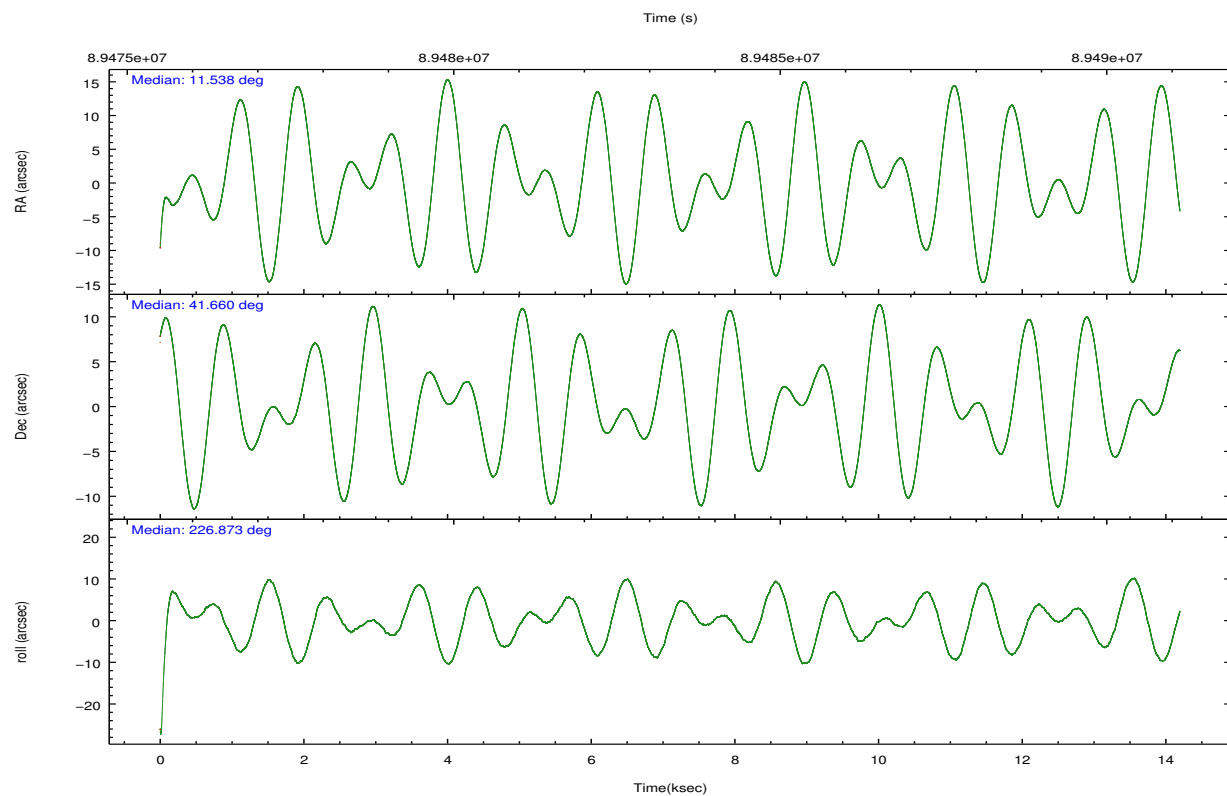
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	99001	96289	130783	106857	113213	157579	grade 0 events	7435	6850	10829	14751	4954	24621
rejected events	82480	79885	65275	79928	61427	90908		7%	7%	8%	13%	4%	15%
rejected %	83%	82%	49%	74%	54%	57%	grade 1 events	64	52	272	575	119	162
								0%	0%	0%	0%	0%	0%
							grade 2 events	4078	4566	18401	5708	10193	10156
								4%	4%	14%	5%	9%	6%
							grade 3 events	893	1001	3237	1440	4599	10703
								0%	1%	2%	1%	4%	6%
							grade 4 events	1171	1016	3159	1481	4545	9454
								1%	1%	2%	1%	4%	5%
							grade 5 events	2837	3013	9409	3633	10265	4535
								2%	3%	7%	3%	9%	2%
							grade 6 events	2946	2972	29900	3557	27503	11789
								2%	3%	22%	3%	24%	7%
							grade 7 events	79577	76819	55576	75712	51035	86159
								80%	79%	42%	70%	45%	54%

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	11.546050	11.53802269155312	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.686138	41.65947289078446	Alternating exposures requested	N	N
[deg] Pointing Roll	226.715505	226.877446676	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	89476411.184000	89475401.364682			
Observation start date	2000-11-01T14:32:27	2000-11-01T14:16:41			
[s] Observation end time (MET)	89490411.184000	89490940.87776799			
Observation end date	2000-11-01T18:25:47	2000-11-01T18:35:40			
Read mode	TIMED	TIMED			

2.3 Aspect



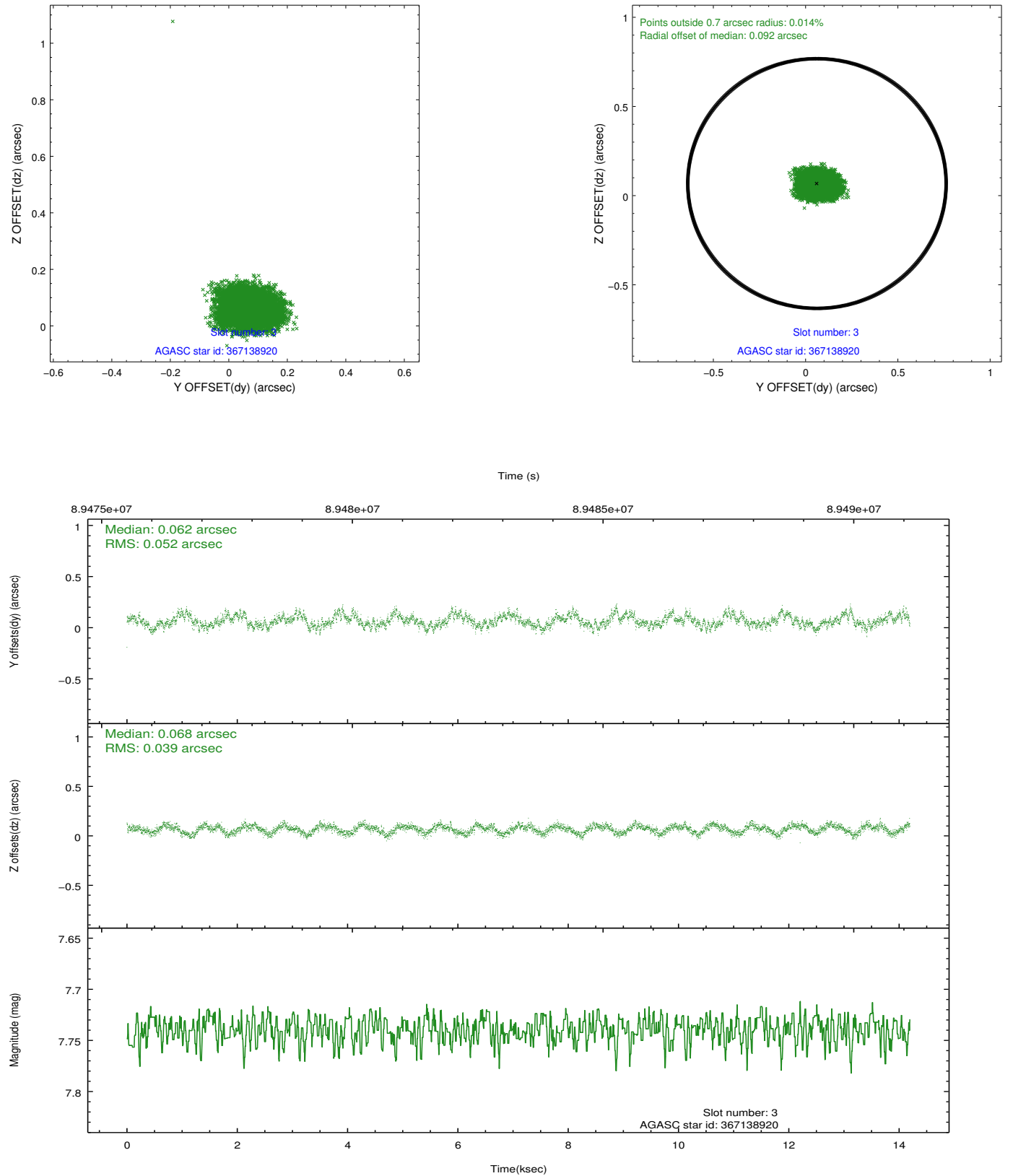


Slot Statistics

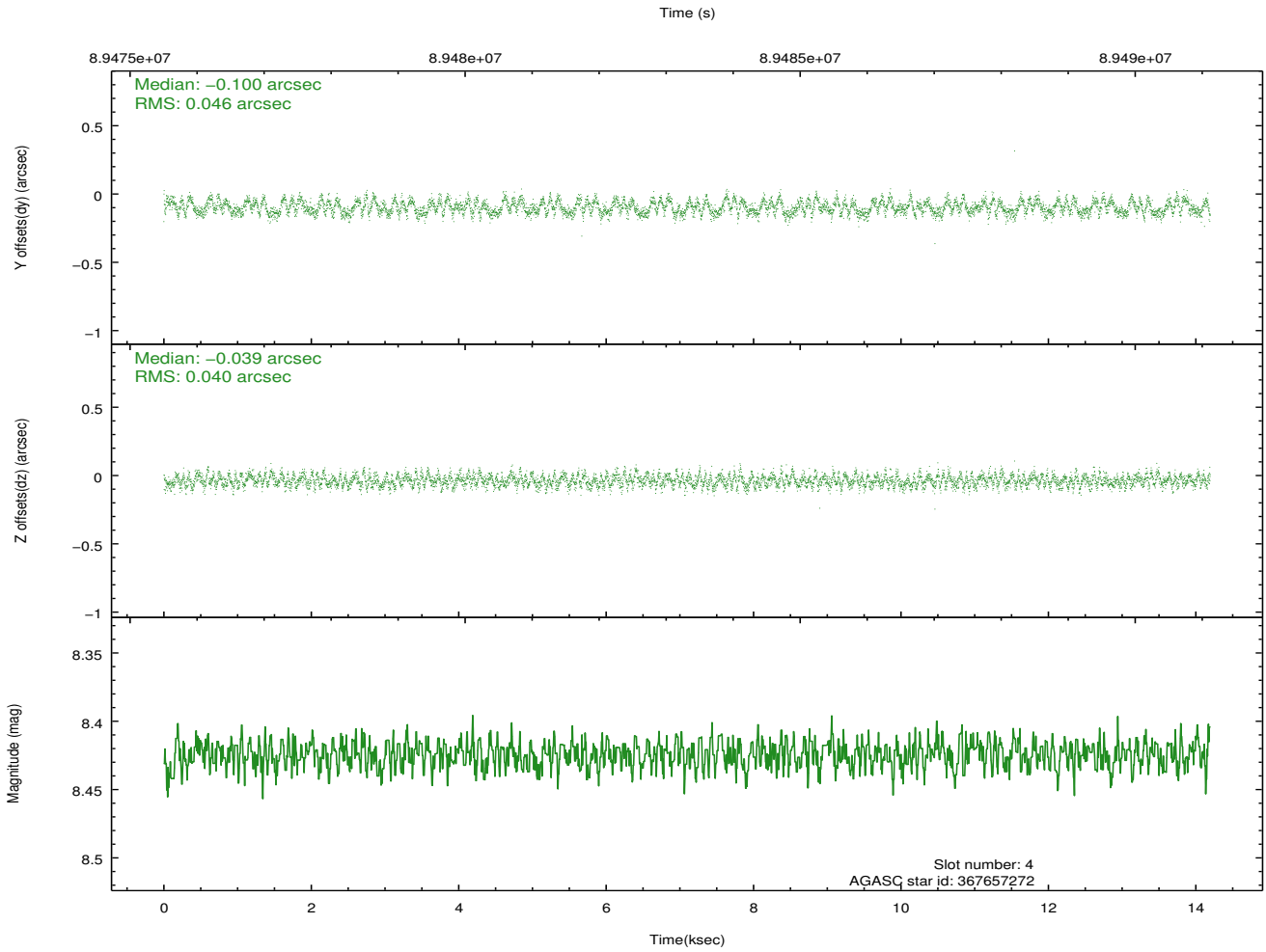
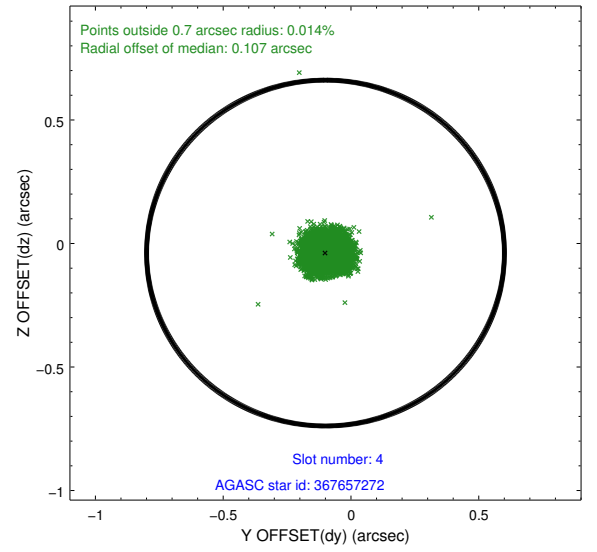
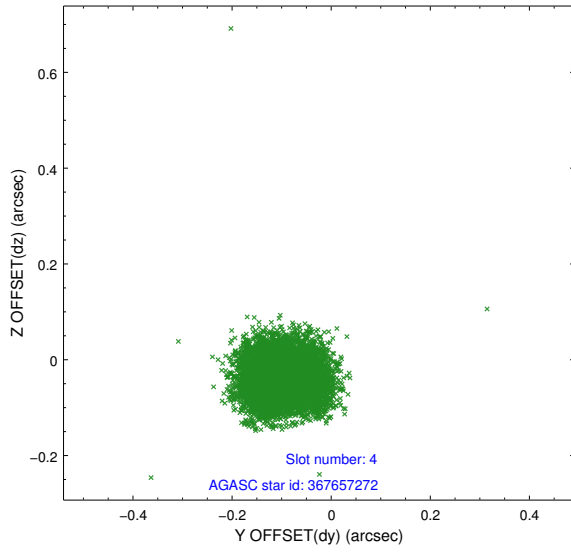
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	3462	-0.046	-0.007	0.008	0.013	0.000000	0.000000	-755.01	-1727.09
1	FID	ACIS-S-4	7.21	3462	-0.002	0.024	0.007	0.013	0.000000	0.000000	2158.13	181.13
2	FID	ACIS-S-5	7.24	3463	0.017	-0.008	0.007	0.012	0.000000	0.000000	-1807.40	175.08
3	GUIDE	367138920	7.74	6924	0.062	0.068	0.069	0.111	11.513485	40.808909	2360.25	2101.69
4	GUIDE	367657272	8.42	6923	-0.100	-0.039	0.065	0.100	11.834471	41.298907	479.70	1523.70
5	GUIDE	367788576	8.53	6925	0.011	-0.025	0.070	0.120	12.616419	41.730235	-2099.75	1973.00
6	GUIDE	367674552	8.84	6925	0.107	-0.038	0.063	0.106	11.016238	41.570845	1277.71	-756.17
7	GUIDE	367670520	9.25	6918	-0.081	0.041	0.088	0.144	11.265516	42.371946	-1285.79	-2236.27

2.4 Star Slots

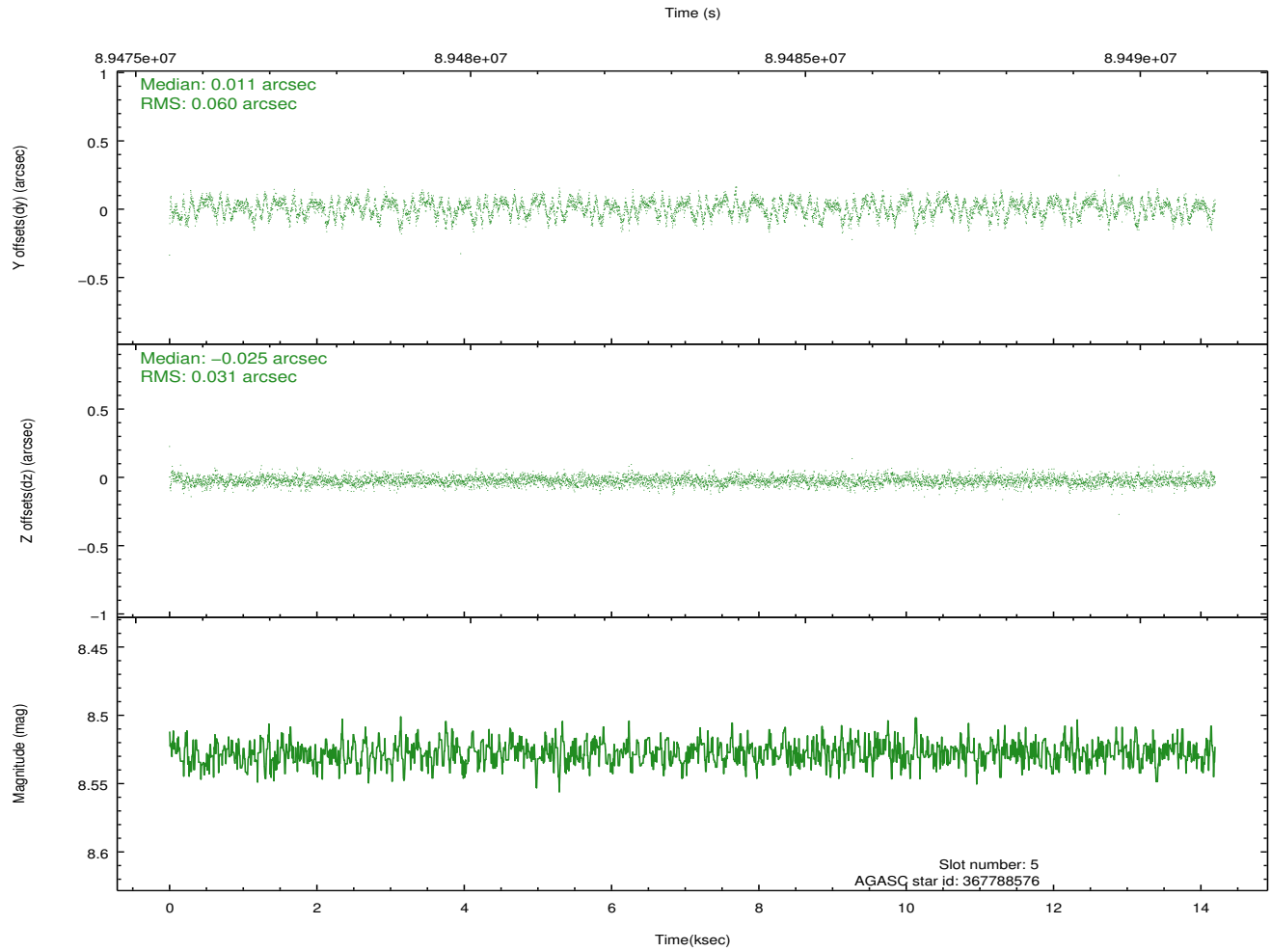
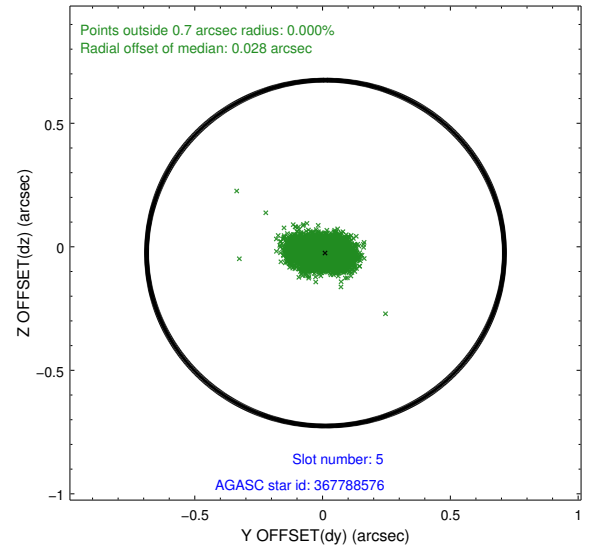
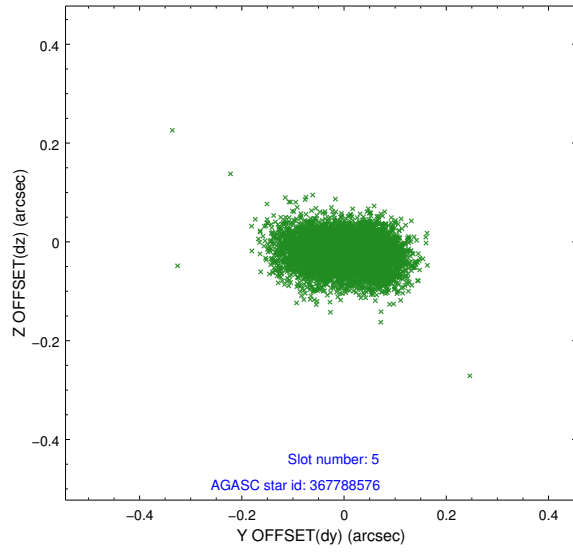
2.4.1 Slot 3



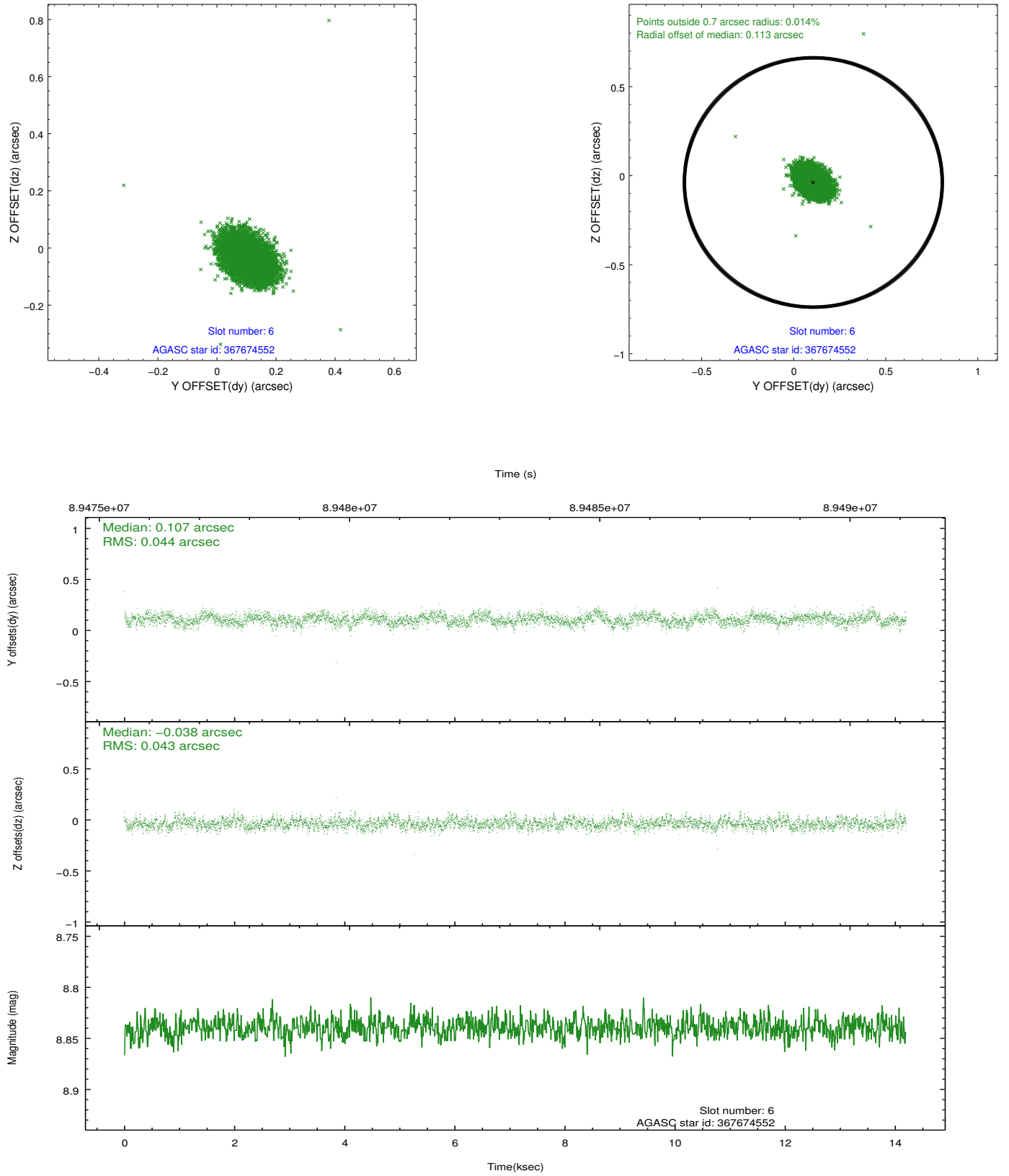
2.4.2 Slot 4



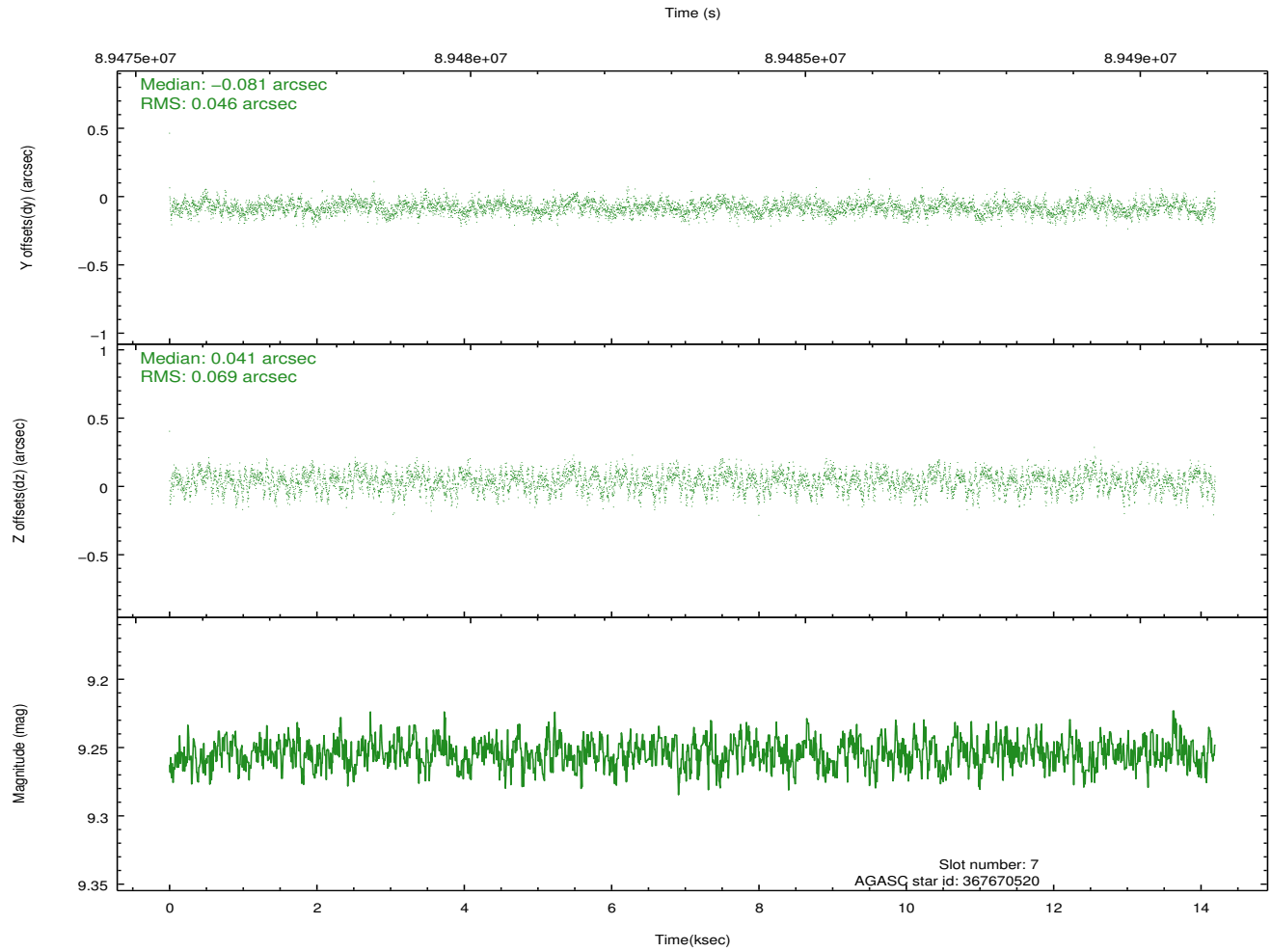
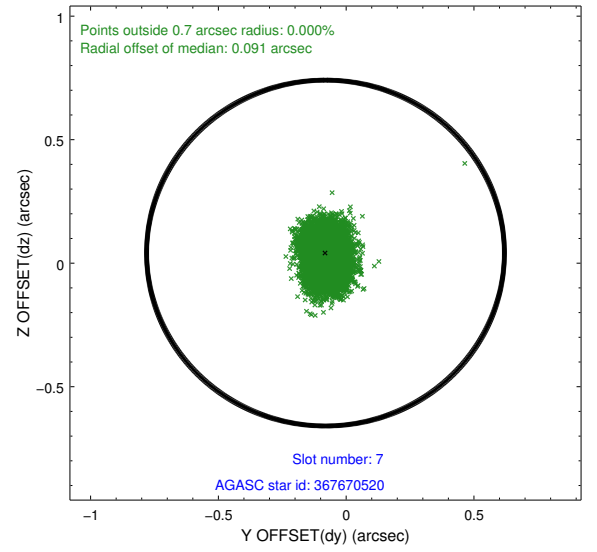
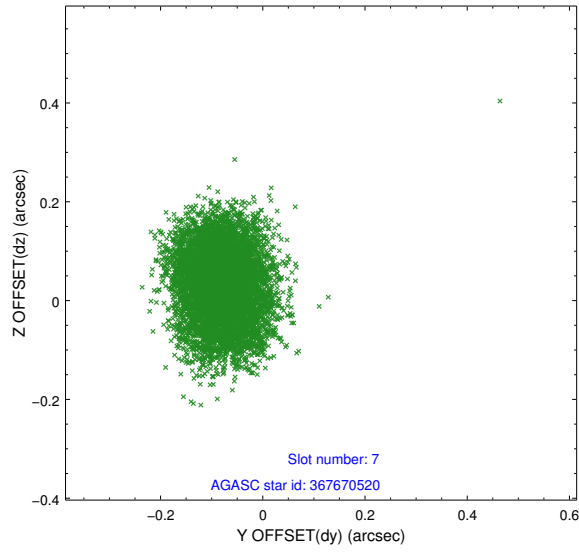
2.4.3 Slot 5



2.4.4 Slot 6

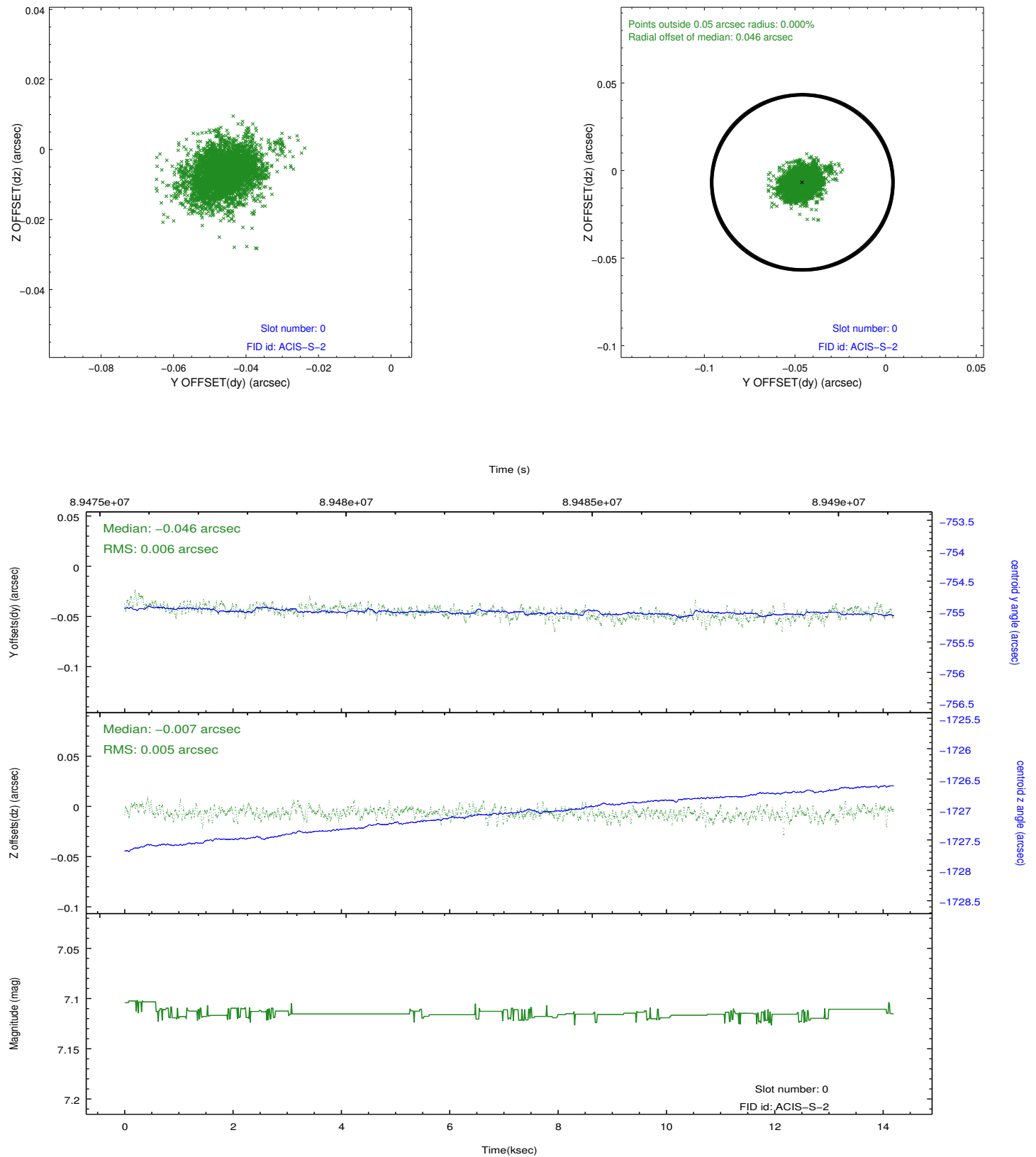


2.4.5 Slot 7

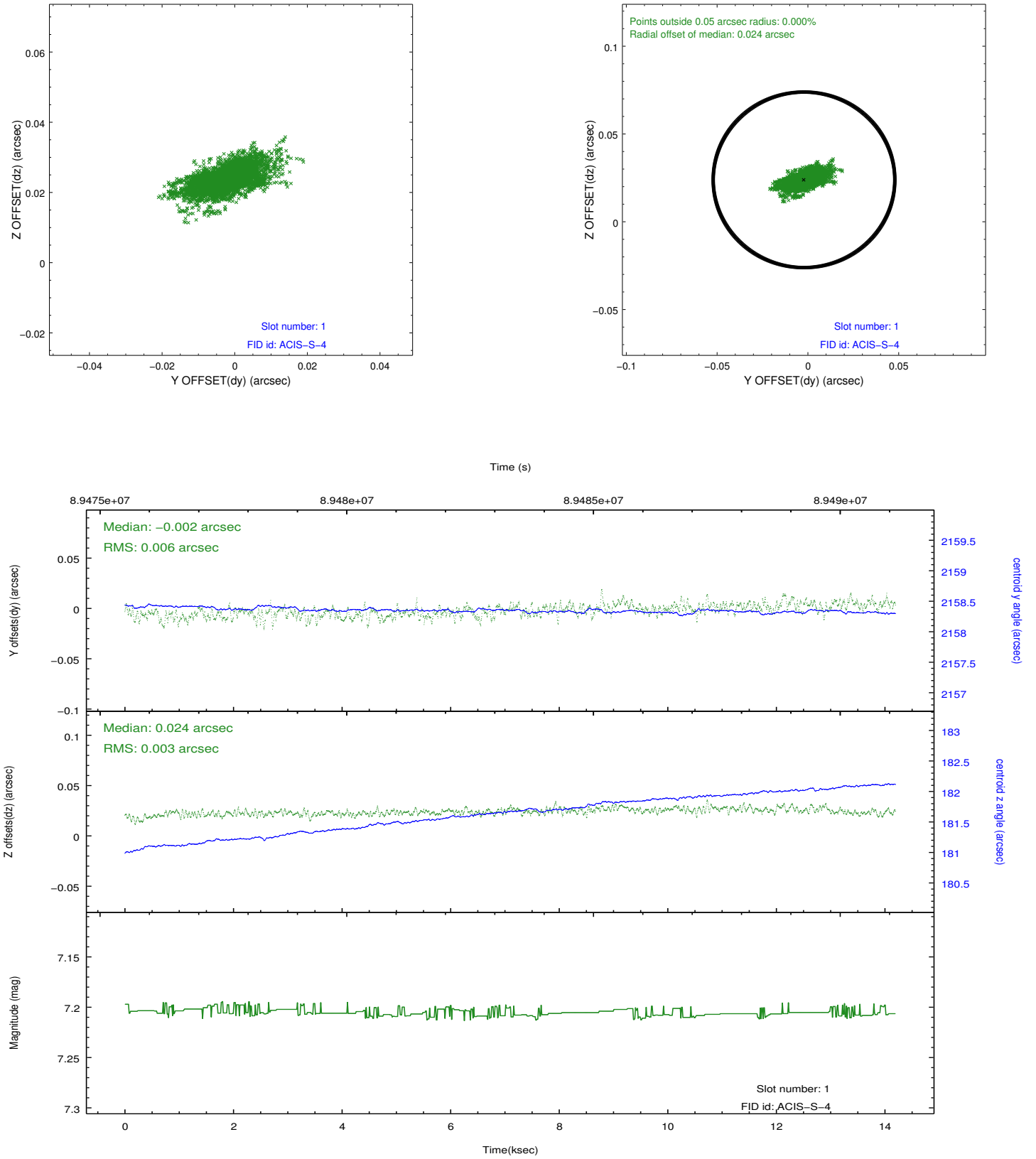


2.5 FID Slots

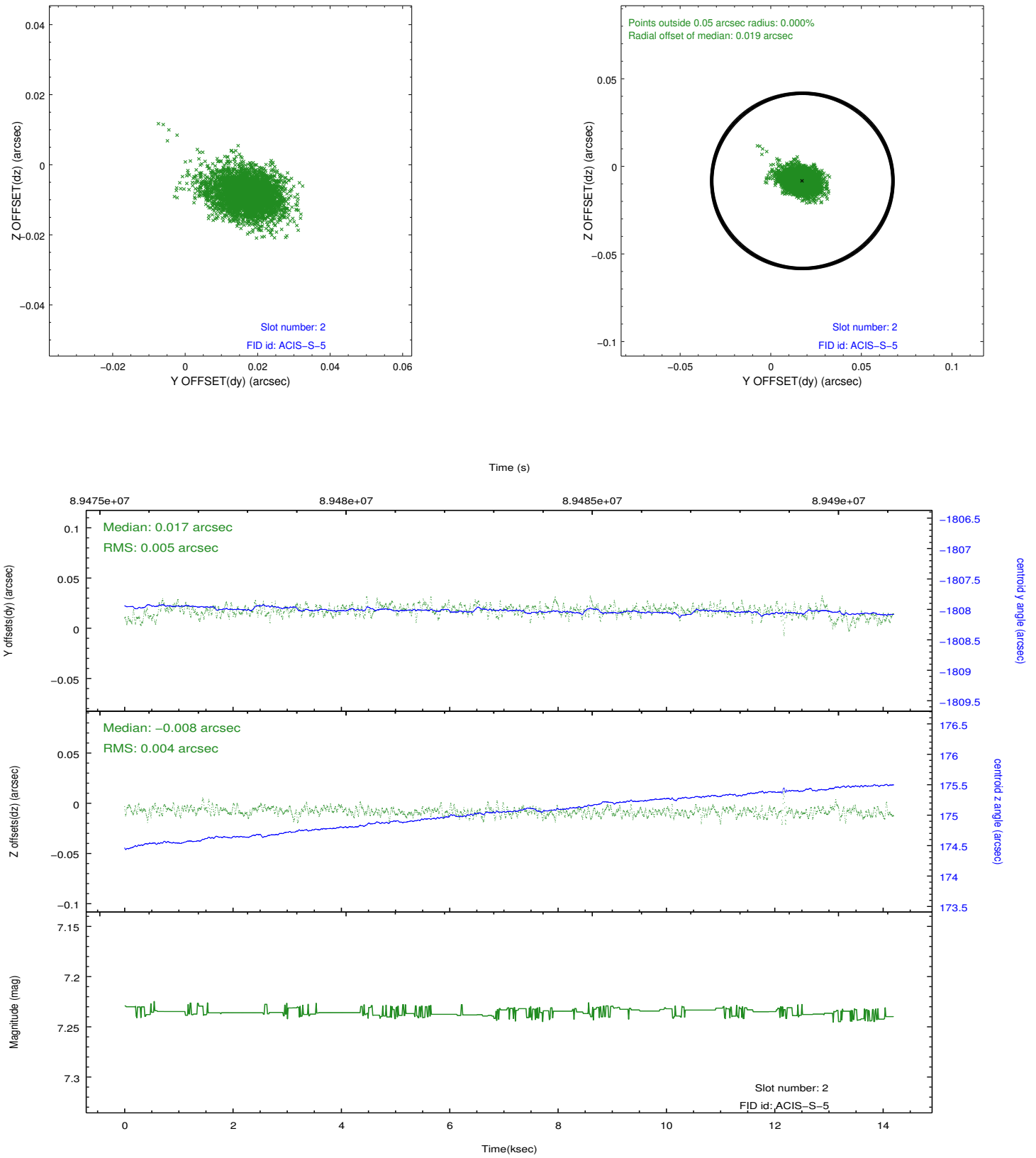
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.054

A.2 Comments