

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3363 - L2 Version 4
Chandra X-Ray Center

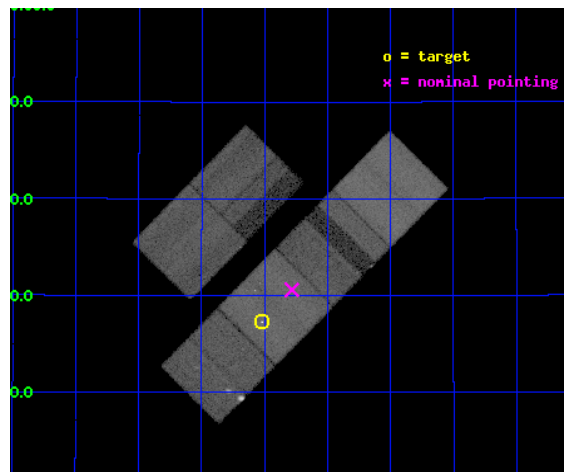
L2 Processing Date : Nov 8 2012

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1 Front

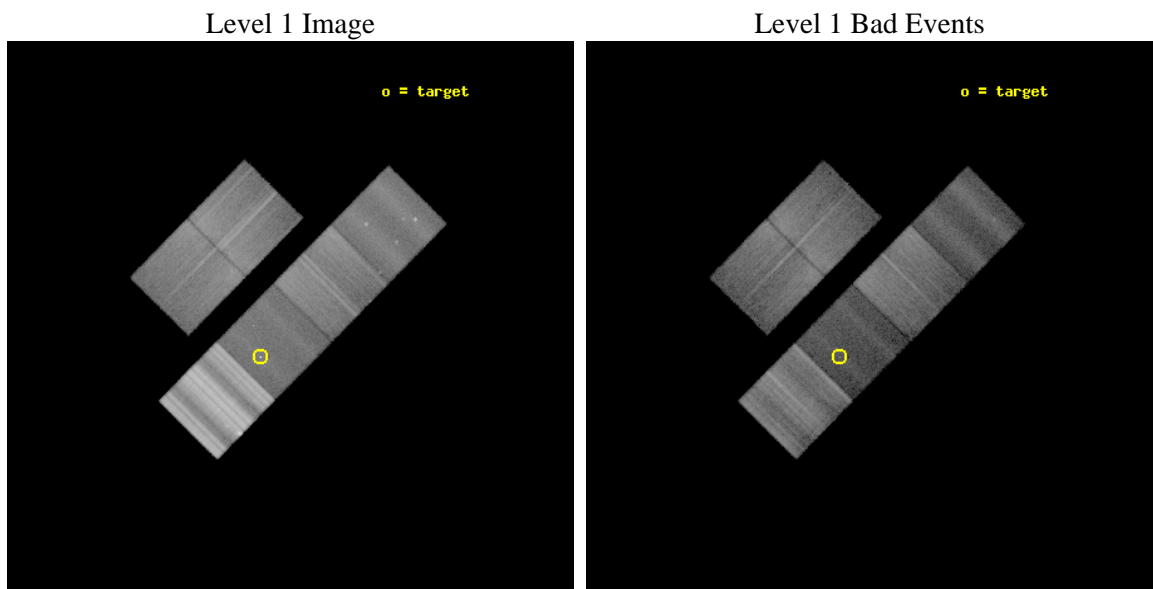
seq_num	200190	Sequence number
obs_id	3363	Observation id
title	ORIGIN OF THE X-RAY EMISSION OF THE PREMAIN SEQUENCE STAR V 410 TAU	
observer	Dr. Peter Predehl	Principal investigator
object	V 410 TAU	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.629583	Observer's specified target RA [deg]
dec_targ	28.454444	Observer's specified target Dec [deg]
ra_nom	64.570672041091	Nominal RA [deg]
dec_nom	28.50978524344	Nominal Dec [deg]
roll_nom	134.54952252279	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10937.600010172	Sum of GTIs [s]
livetime	10799.101533011	Livetime [s]
ontime2	10937.600010172	Sum of GTIs [s]
ontime3	10937.600010172	Sum of GTIs [s]
ontime5	10937.600010172	Sum of GTIs [s]
ontime6	10937.600010172	Sum of GTIs [s]
ontime7	10937.600010172	Sum of GTIs [s]
ontime8	10937.600010172	Sum of GTIs [s]
l2events	273282	Number of level 2 events



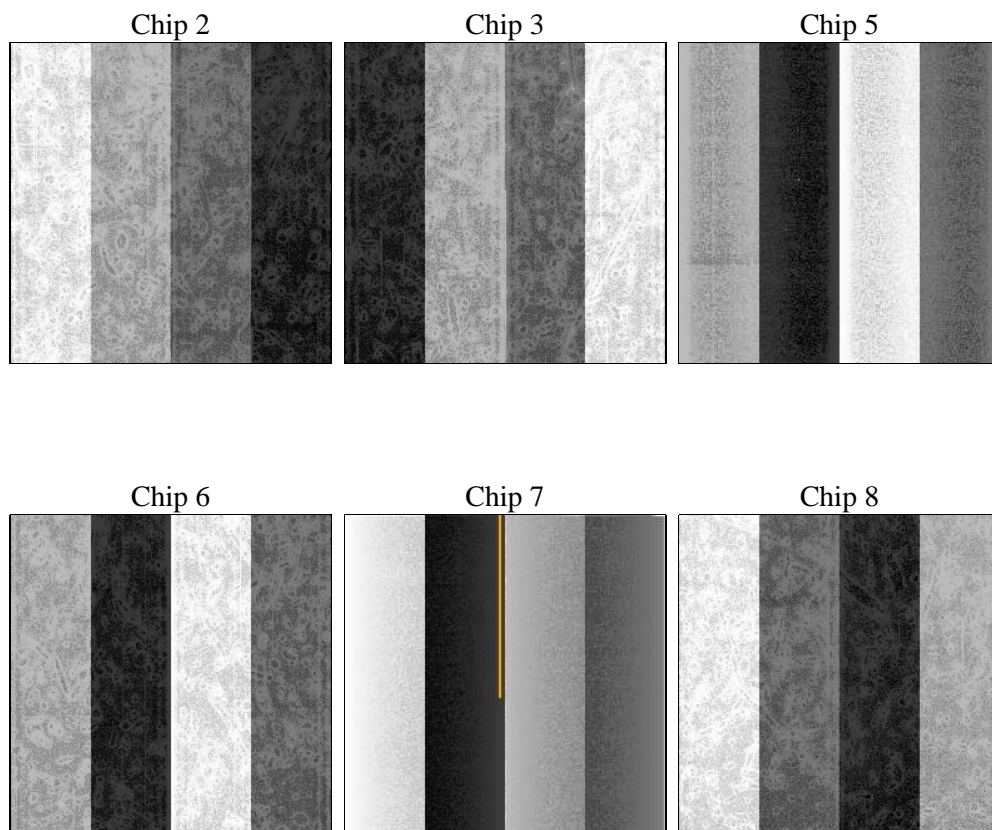
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13801.409000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10937.600010172	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	10937.600010172	Sum of GTIs [s]
date	2012-11-08T19:12:20	Date and time of file creation	ontime3	10937.600010172	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	10937.600010172	Sum of GTIs [s]
			ontime6	10937.600010172	Sum of GTIs [s]
			ontime7	10937.600010172	Sum of GTIs [s]
			ontime8	10937.600010172	Sum of GTIs [s]
			l1events	1692683	Number of level 1 events

2.1.4 Events

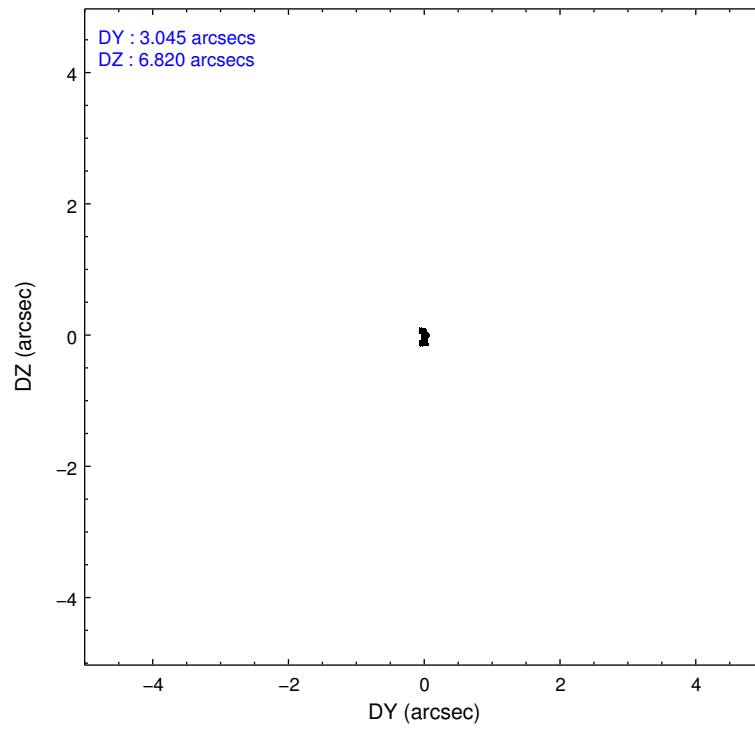
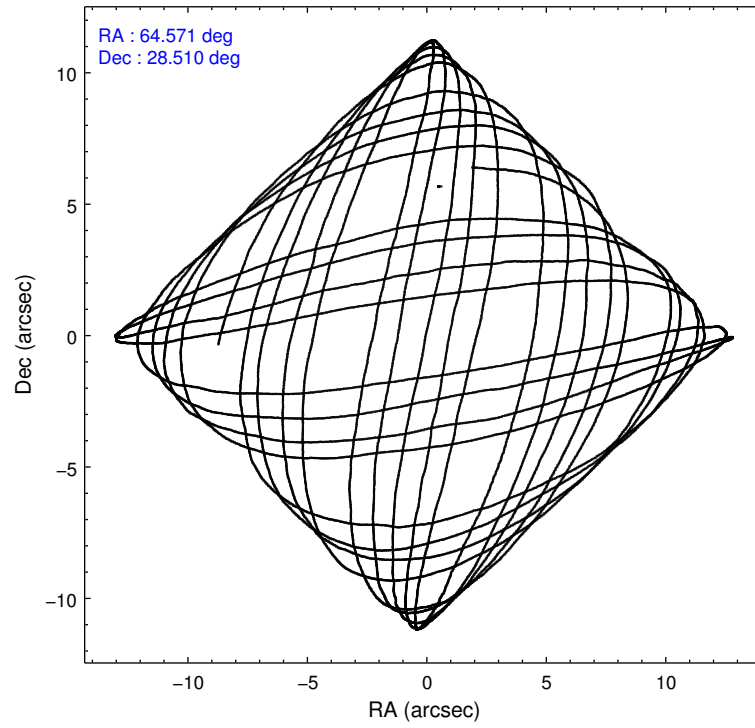
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	223949	194488	163190	217320	131351	762385	grade 0 events	20931	12132	9882	18105	8363	177169
rejected events	174703	156445	86436	172419	65081	211485		9%	6%	6%	8%	6%	23%
rejected %	78%	80%	52%	79%	49%	27%	grade 1 events	210	87	532	160	375	1561
								0%	0%	0%	0%	0%	0%
							grade 2 events	15248	13811	24475	15958	16014	68608
								6%	7%	14%	7%	12%	8%
							grade 3 events	1030	1163	6109	1188	6538	106416
								0%	0%	3%	0%	4%	13%
							grade 4 events	2914	1392	6012	1339	6401	93931
								1%	0%	3%	0%	4%	12%
							grade 5 events	2877	2883	10599	3144	10977	10733
								1%	1%	6%	1%	8%	1%
							grade 6 events	9202	9628	30426	8391	29082	105816
								4%	4%	18%	3%	22%	13%
							grade 7 events	171537	153392	75155	169035	53601	198151
								76%	78%	46%	77%	40%	25%

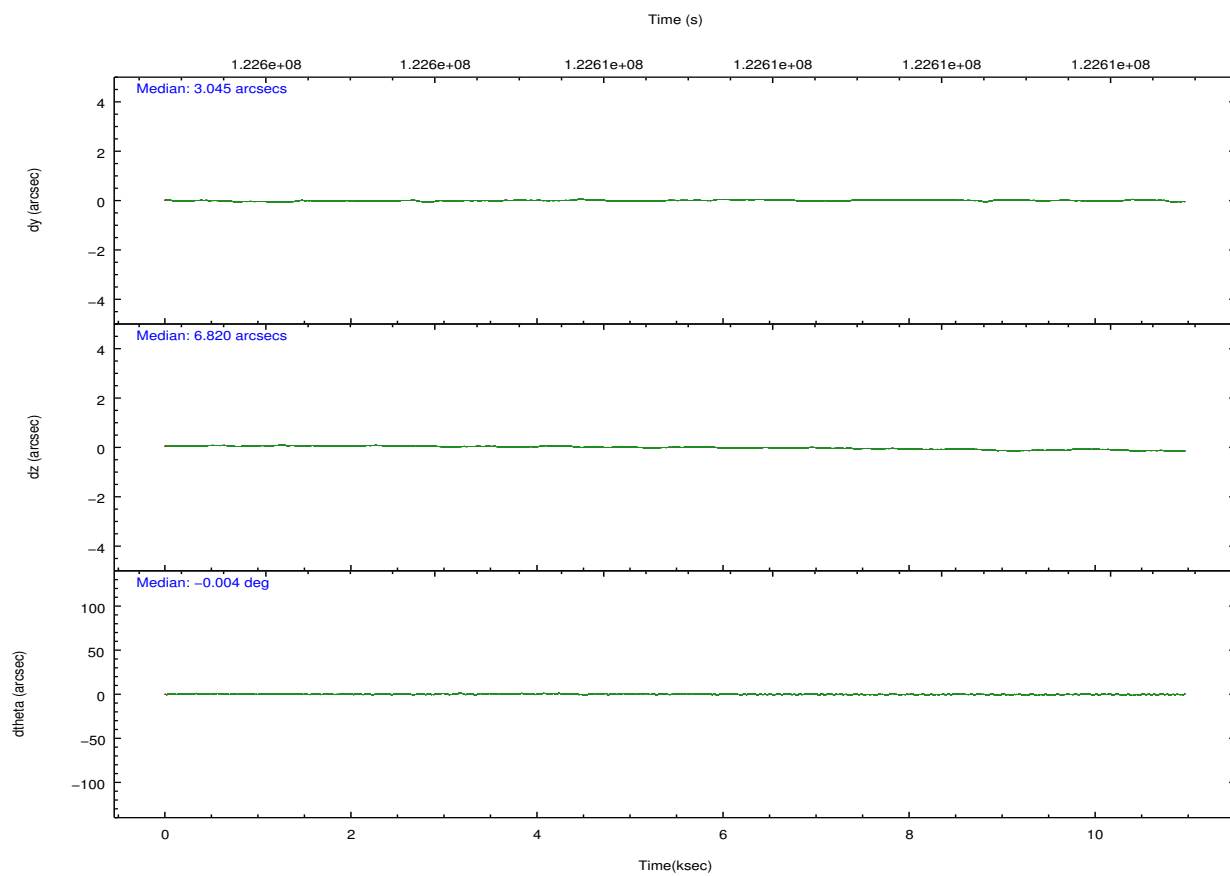
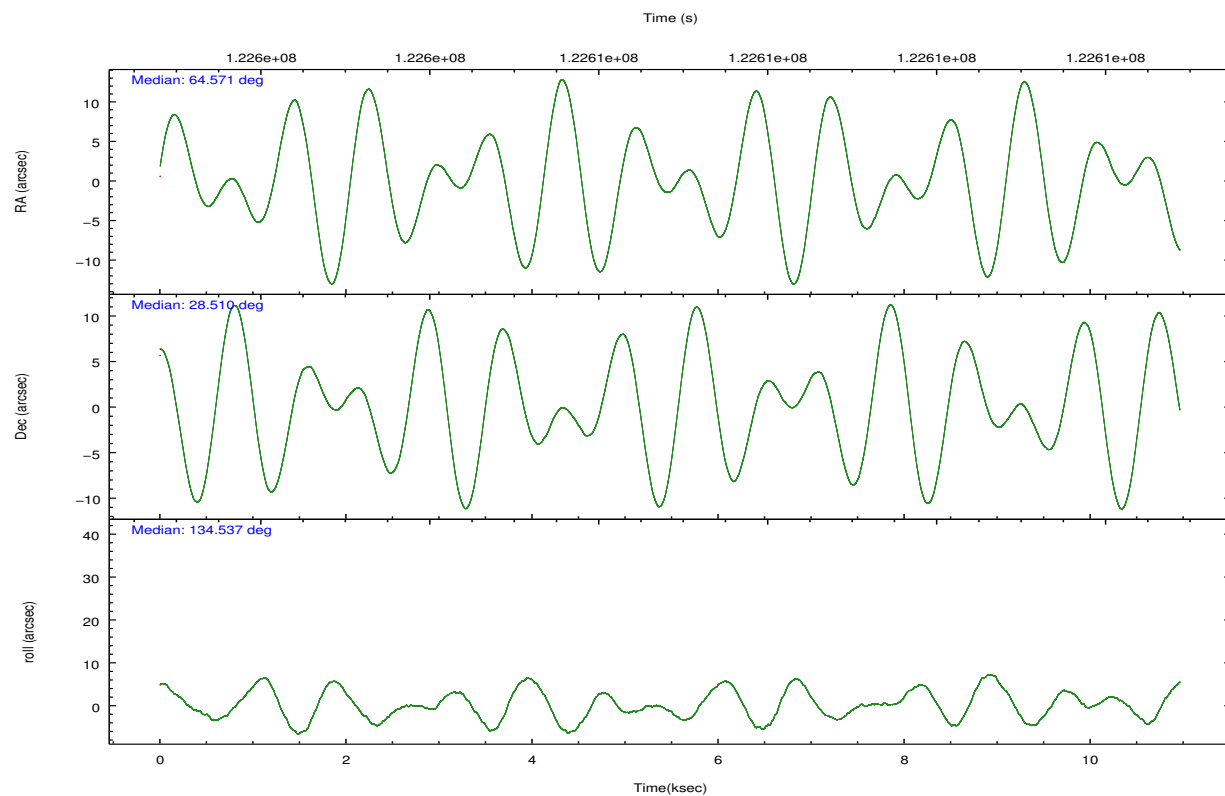
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	64.600689	64.5706720410915
[deg] Pointing Dec	28.502812	28.50978524344007
[deg] Pointing Roll	134.378569	134.5495225227872
[s] Window start time (MET)	122587264.184000	122587264.184000
[s] Window stop time (MET)	122619664.184000	122619664.184000
[mm] SIM focus pos	-0.6828225247311905	-0.6828225247311905
[mm] SIM defocus	0.001444942264670179	0.001444942264670179
[mm] SIM translation stage pos	-190.1400660498719	-190.1400660498719
[mm] SIM translation stage offset	0.007542945904702947	0.007542945904702947
[s] Observation start time (MET)	122601362.184000	122601362.184
Observation start date	2001-11-19T23:54:58	2001-11-19T23:56:02
[s] Observation end time (MET)	122612325.800000	122612325.8
Observation end date	2001-11-20T02:58:45	2001-11-20T02:58:45
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Aspect



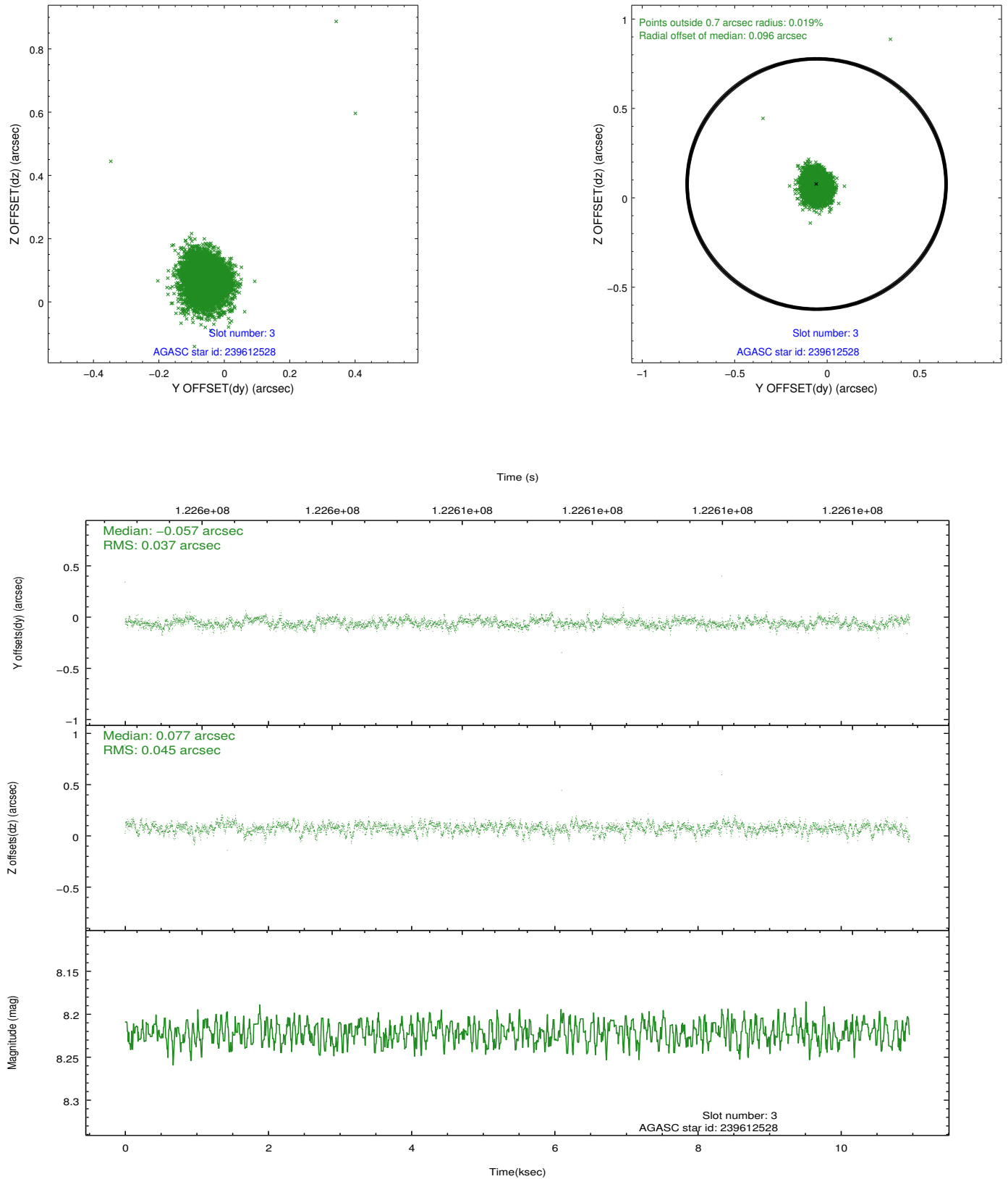


Slot Statistics

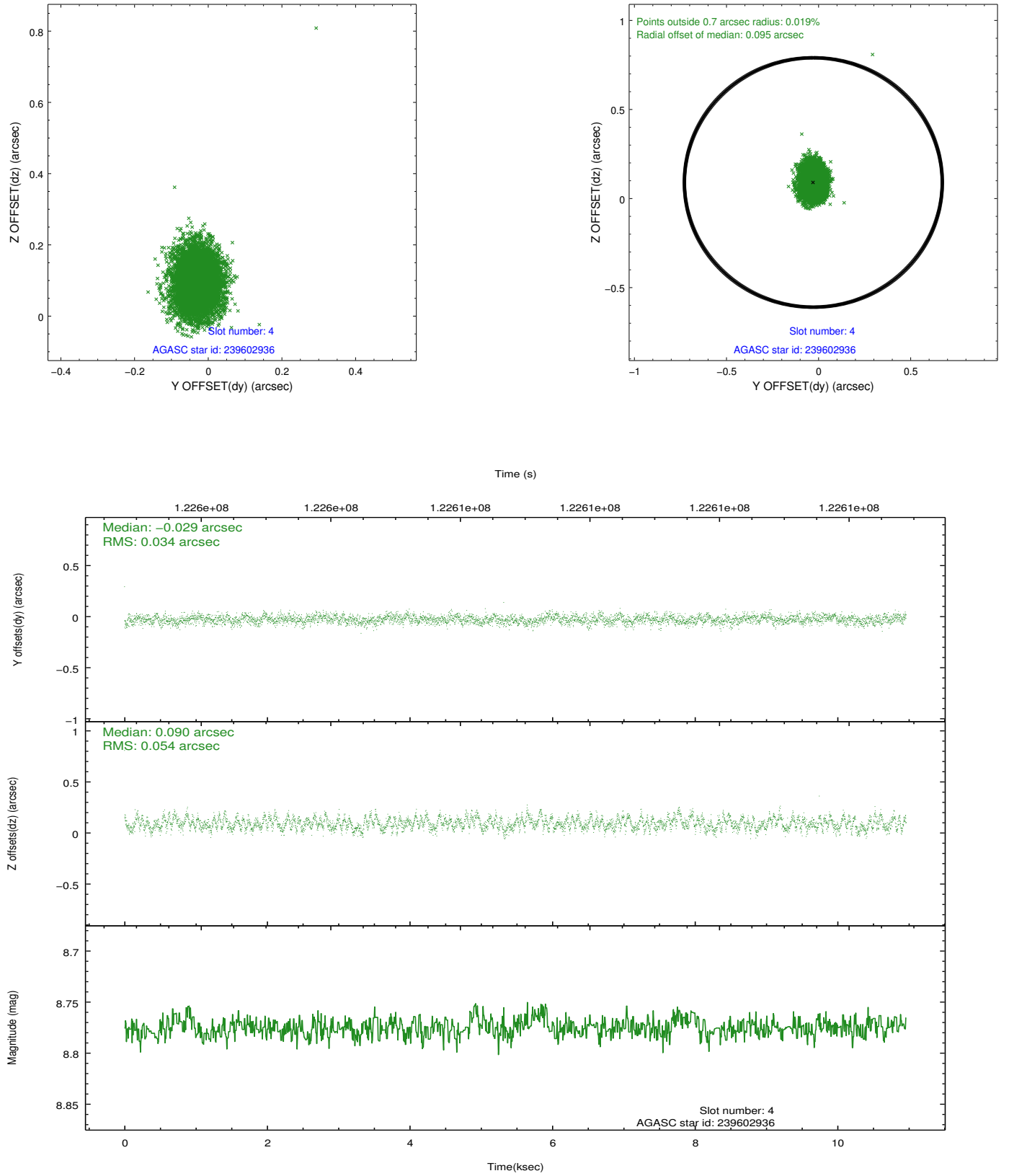
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2674	-0.019	0.012	0.008	0.012	0.000000	0.000000	-755.69	-1727.96
1	FID	ACIS-S-4	7.20	2674	-0.030	0.006	0.006	0.010	0.000000	0.000000	2157.35	180.05
2	FID	ACIS-S-5	7.24	2674	0.016	-0.009	0.007	0.011	0.000000	0.000000	-1807.91	174.21
3	GUIDE	239612528	8.22	5348	-0.057	0.077	0.059	0.099	65.157445	28.892017	-222.46	-2235.82
4	GUIDE	239602936	8.78	5347	-0.029	0.090	0.068	0.109	65.403432	28.416154	-1994.13	-1603.95
5	GUIDE	238958096	9.29	5344	0.010	-0.151	0.106	0.166	64.612911	27.706711	-2076.34	1977.03
6	GUIDE	238958824	9.77	5342	0.075	-0.096	0.116	0.186	64.737810	27.958818	-1705.09	1058.93
7	GUIDE	239613168	8.40	5344	0.005	0.078	0.060	0.095	65.055525	28.814853	-198.37	-1811.55

2.4 Star Slots

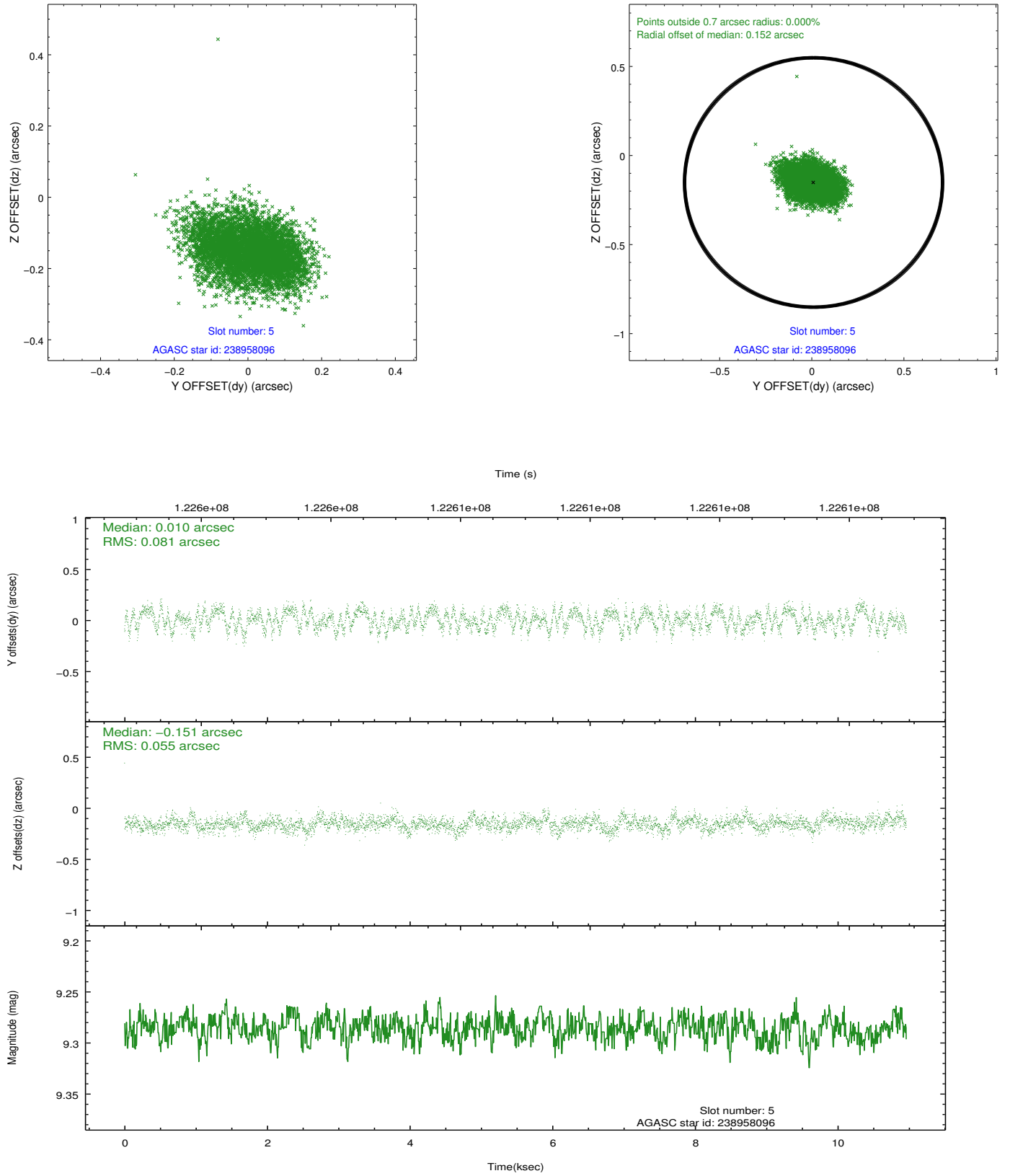
2.4.1 Slot 3



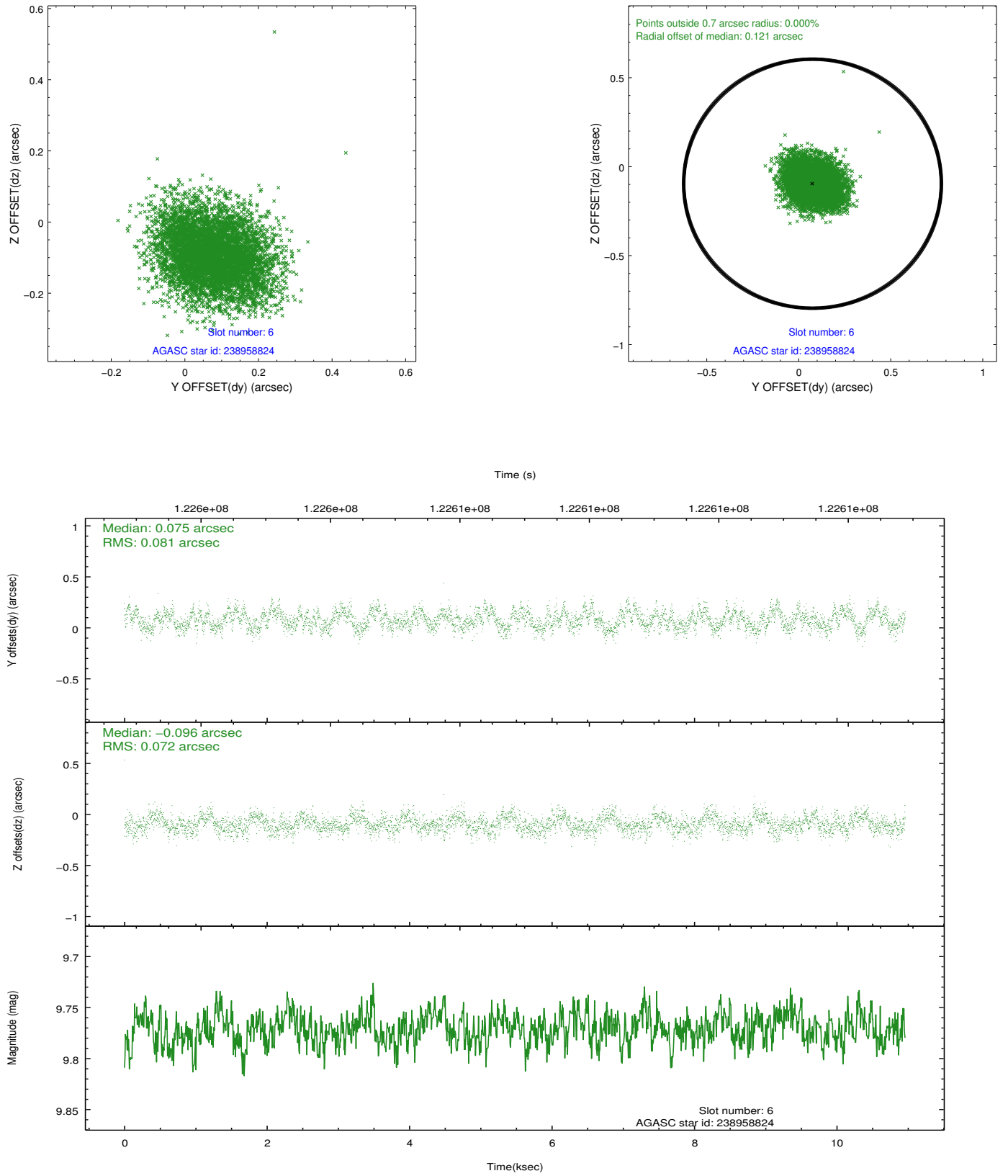
2.4.2 Slot 4



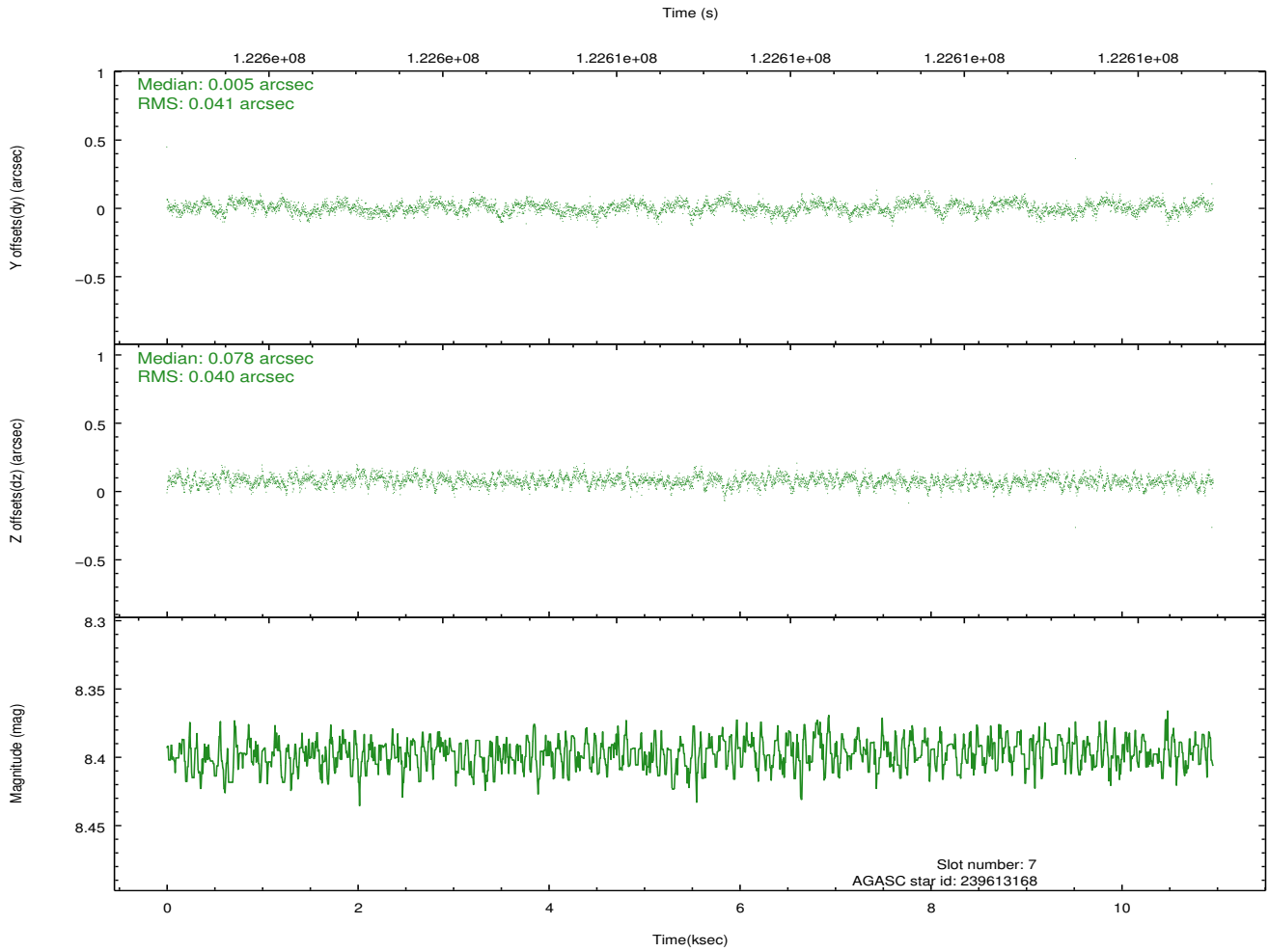
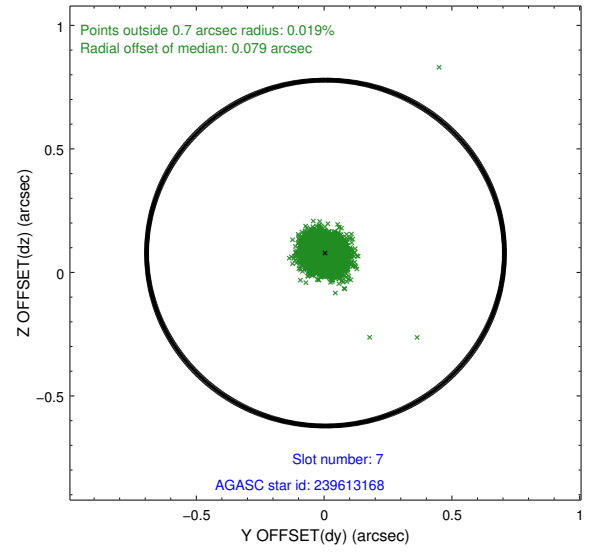
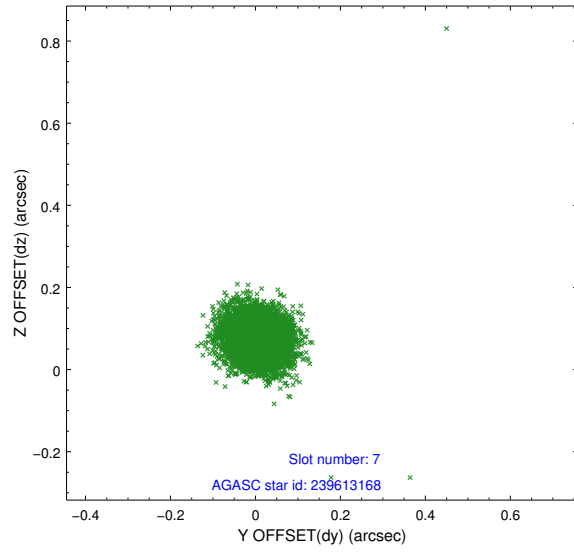
2.4.3 Slot 5



2.4.4 Slot 6

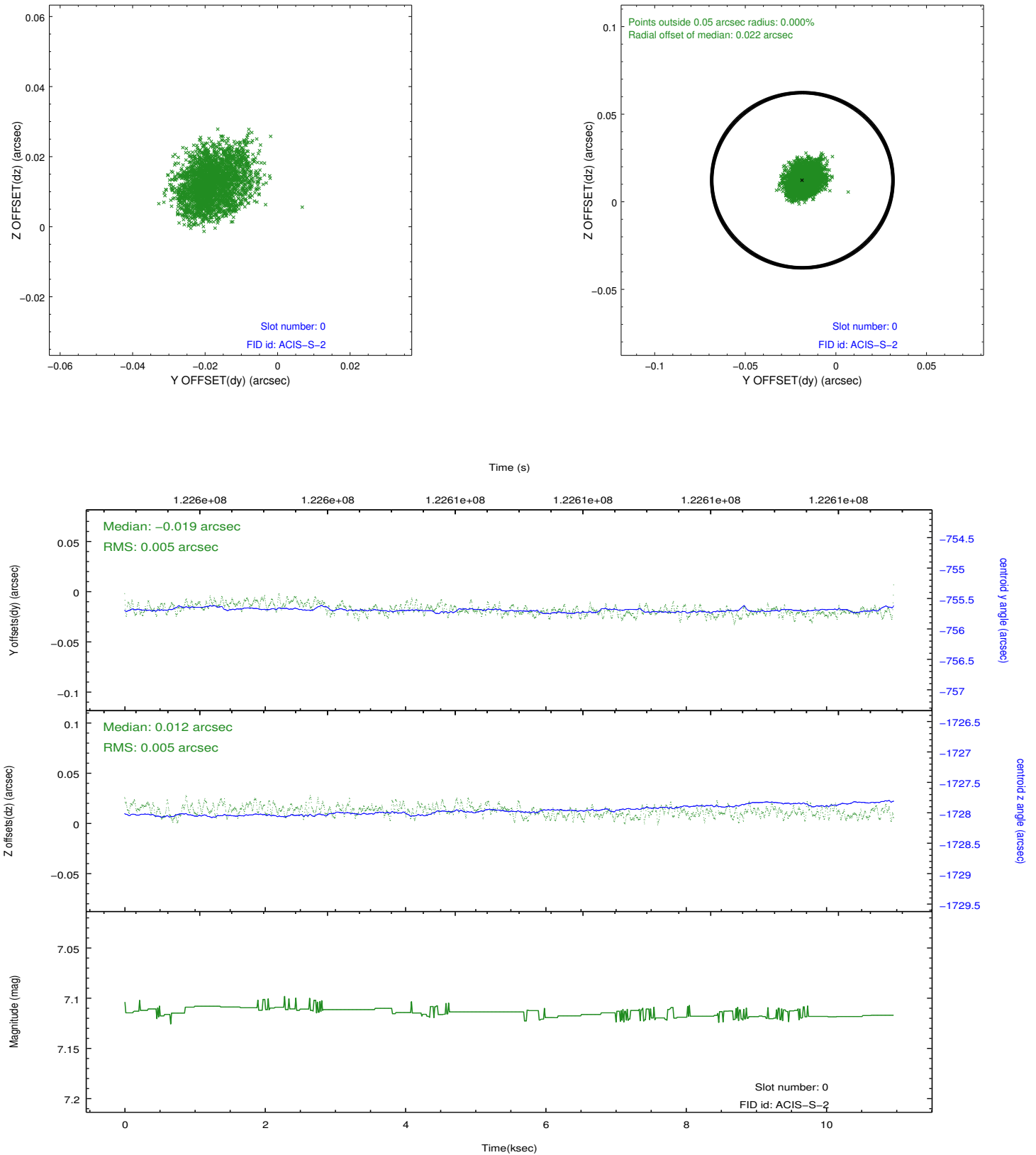


2.4.5 Slot 7

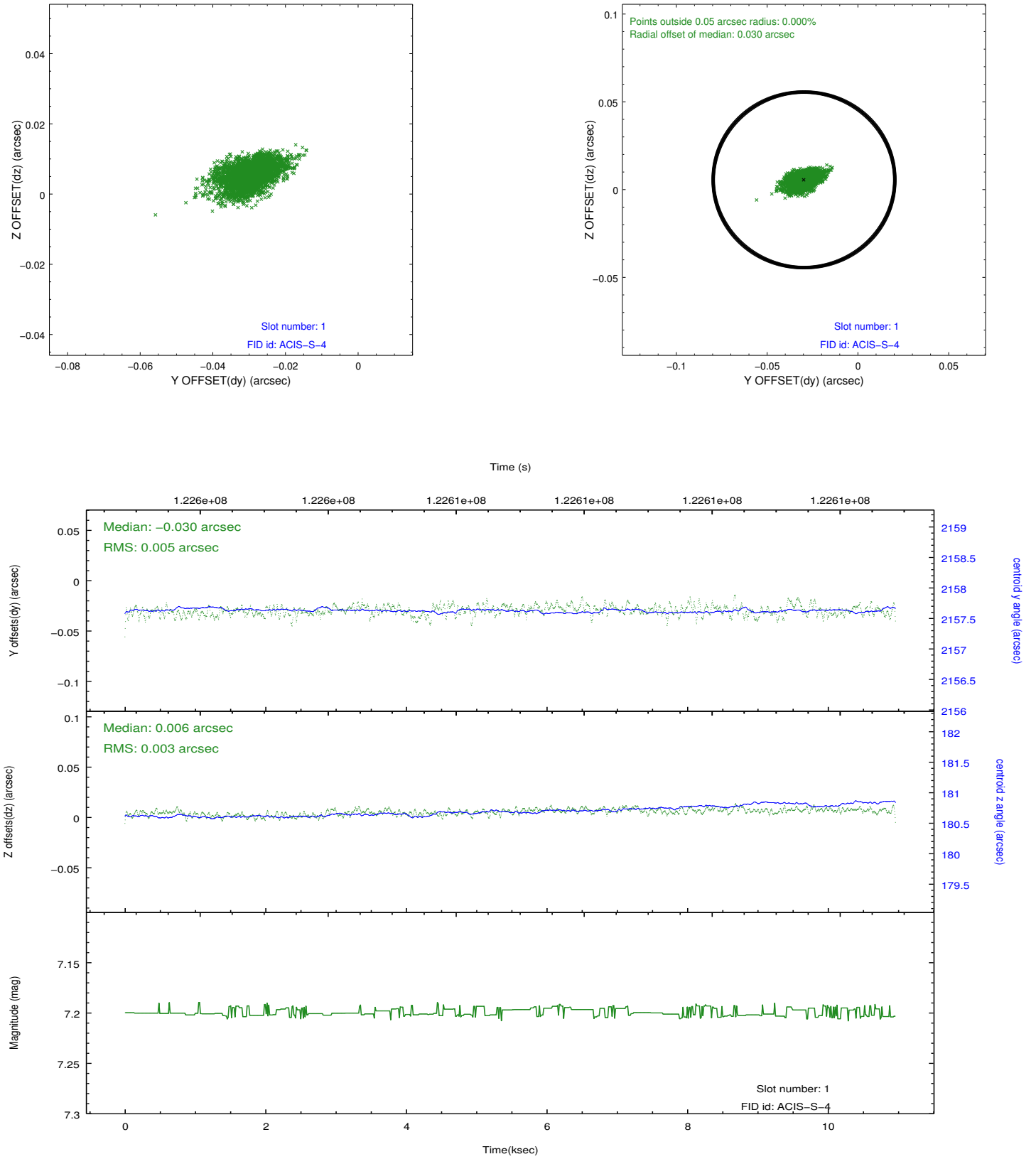


2.5 FID Slots

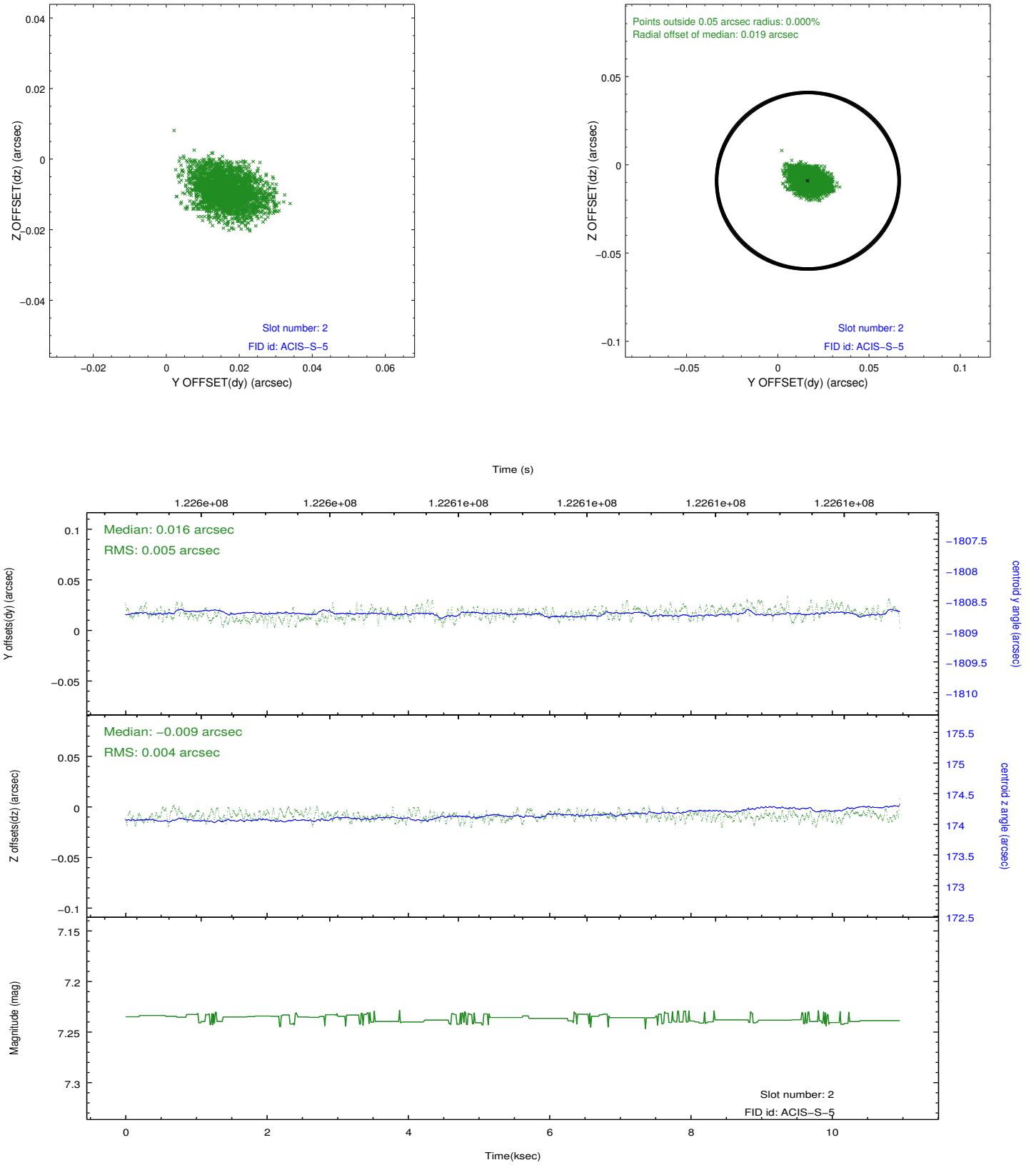
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.148

A.2 Comments

Window constraint met. Charge time for this ObsId remains at previous value of 11.148 ks although with the current processing the charge time would have been 10.94 ksec.

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This observation was interrupted by safing of the science instruments due to high solar radiation environment. The observation was interrupted at 2001:324:02:58. Due to a high radiation environment, the instruments were safed and the observation terminated early. This observation has been reprocessed so that the aspect solution correctly handles the instrument safing and maneuver activities at the end of the observation.