

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2592 - L2 Version 3
Chandra X-Ray Center

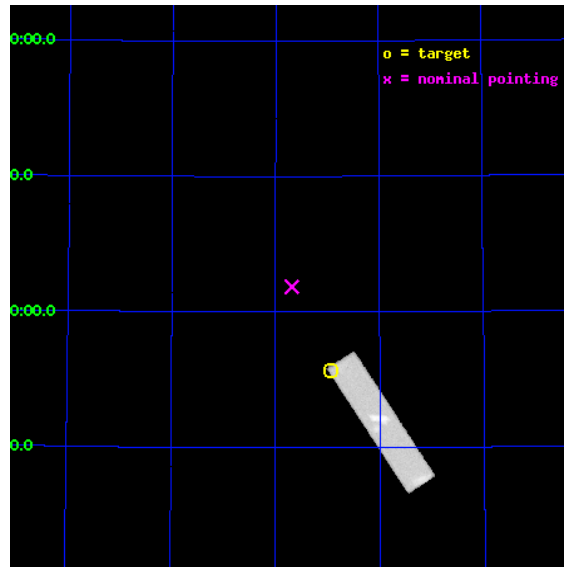
L2 Processing Date : Oct 2 2012

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1 Front

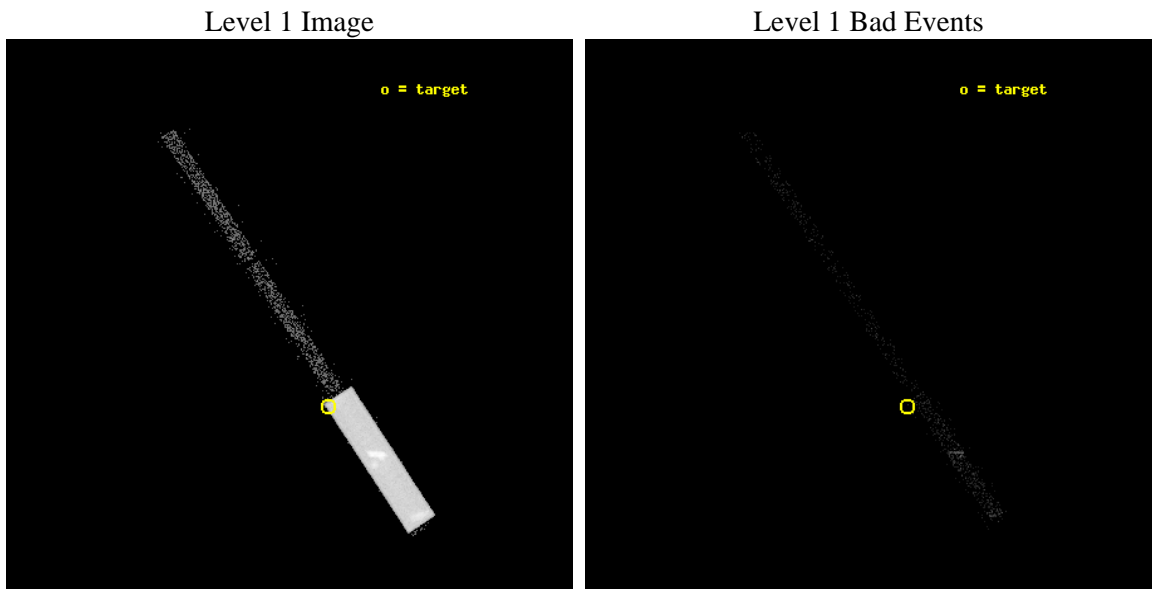
seq_num	290148	Sequence number
obs_id	2592	Observation id
title	AO3 CALIBRATION OBSERVATIONS OF VEGA	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.42093922149	Nominal RA [deg]
dec_nom	39.093043097961	Nominal Dec [deg]
roll_nom	56.543278145633	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3042.456372872	[s]
livetime	3027.3723675522	Ontime multiplied by DTCOR
l2events	109840	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3042.456372872	[s]
caldsver	4.5.2	 	l1events	153716	Number of level 1 events
date	2012-10-02T07:30:06	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

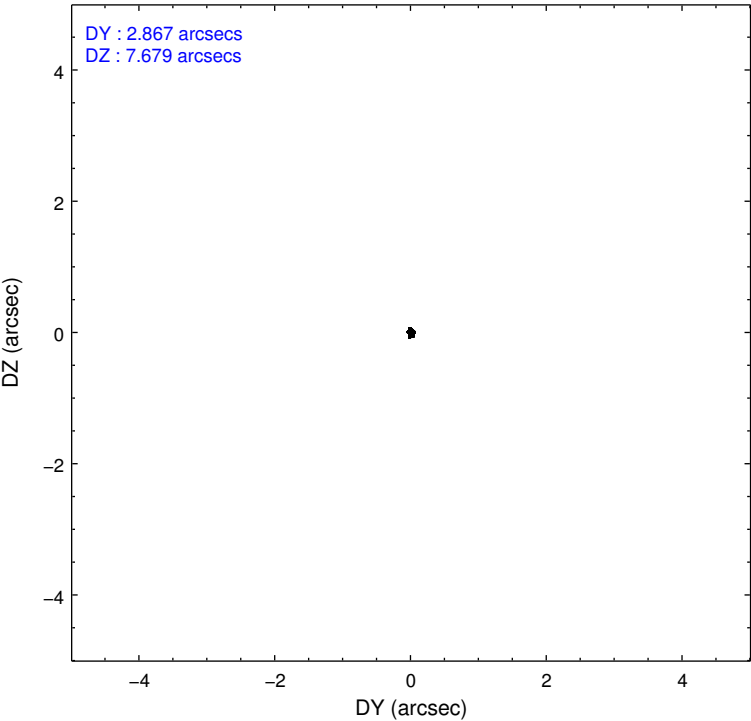
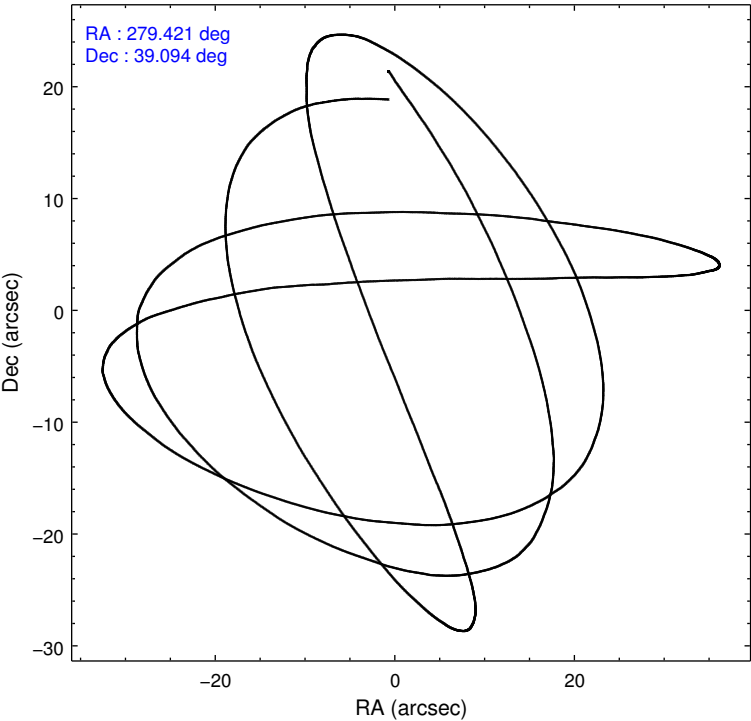
Level 1 Events

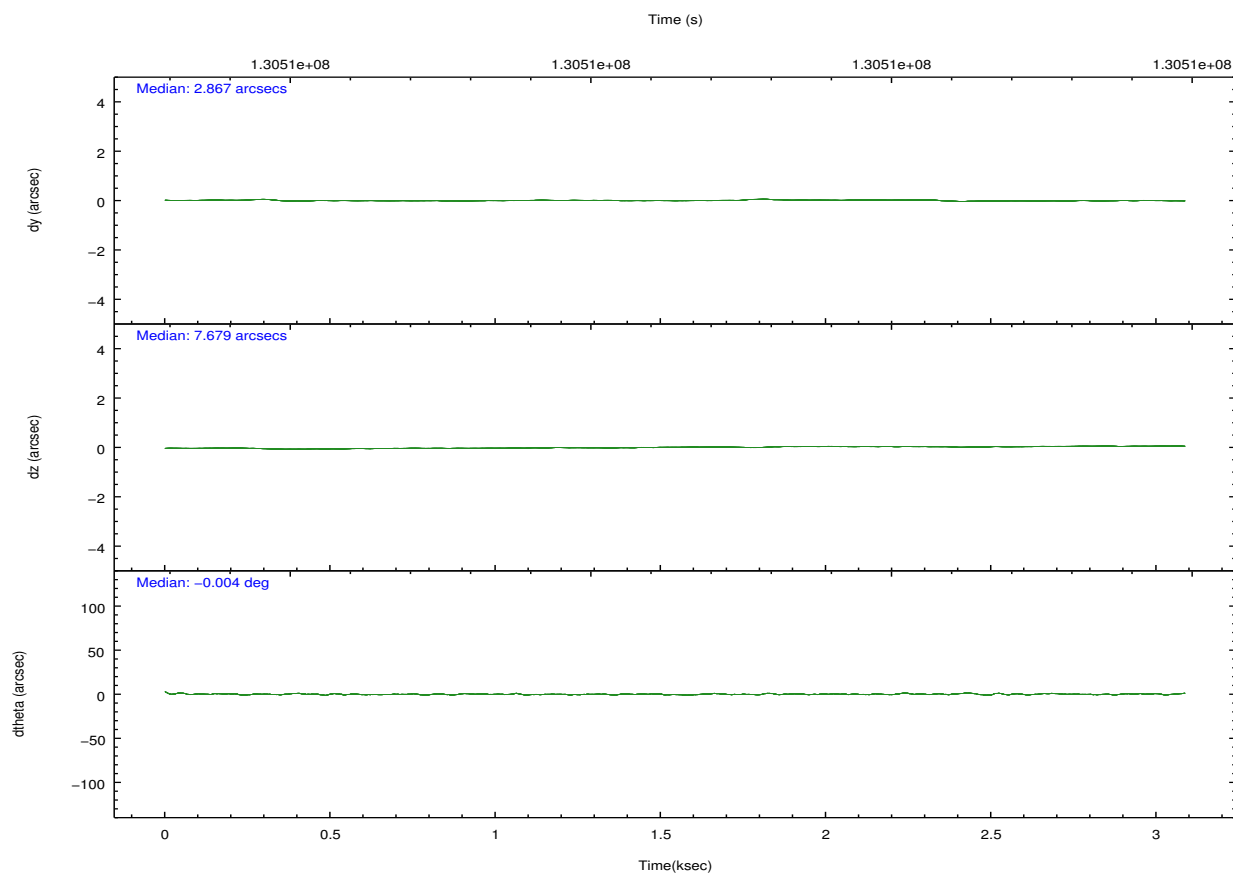
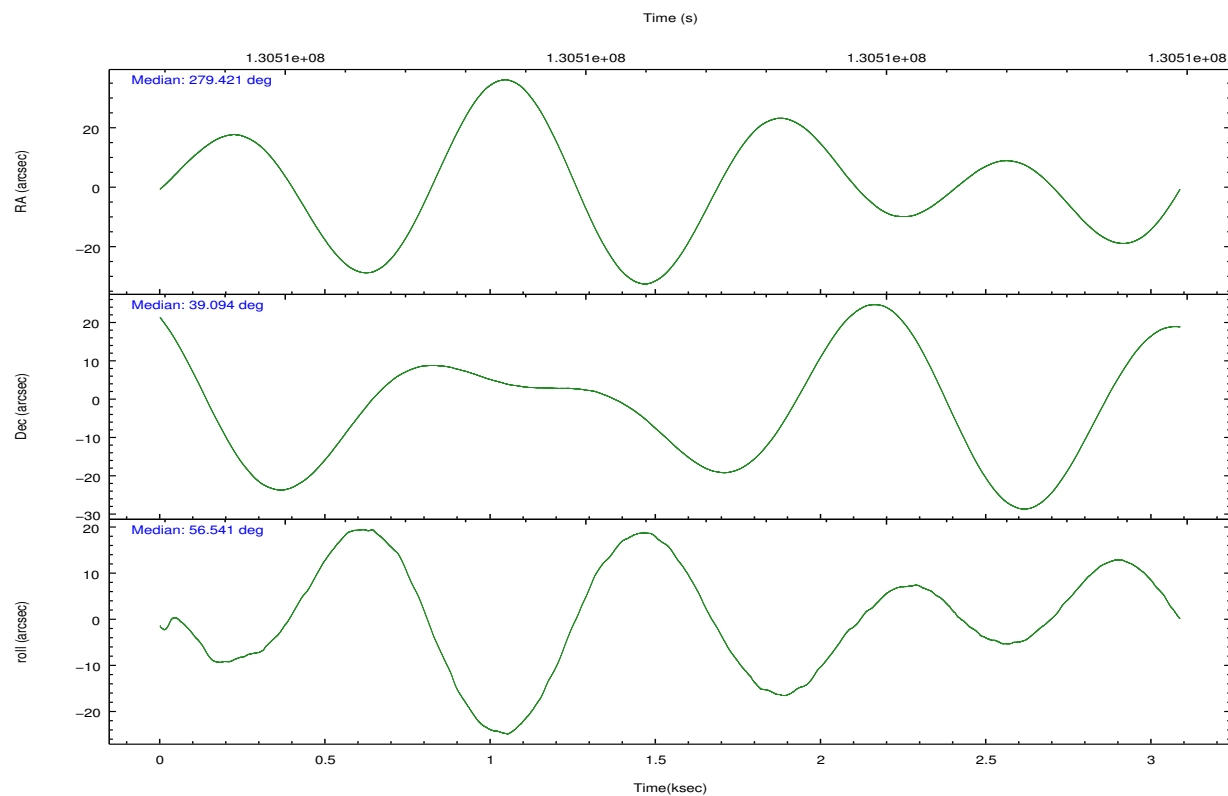
	segment 1	segment 2	segment 3
level 1 events	151421	1112	1183
rejected events	11017	1052	1183
rejected %	7%	94%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.420748	279.4209392214875			
[deg] Pointing Dec	39.064662	39.09304309796137			
[deg] Pointing Roll	56.476075	56.54327814563331			
[s] Window start time (MET)	128908864.184000	128908864.184000			
[s] Window stop time (MET)	131241664.184000	131241664.184000			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	130507925.184000	130507549.53412			
Observation start date	2002-02-19T12:11:01	2002-02-19T12:05:49			
[s] Observation end time (MET)	130510825.184000	130511079.12176			
Observation end date	2002-02-19T12:59:21	2002-02-19T13:04:39			

2.3 Aspect



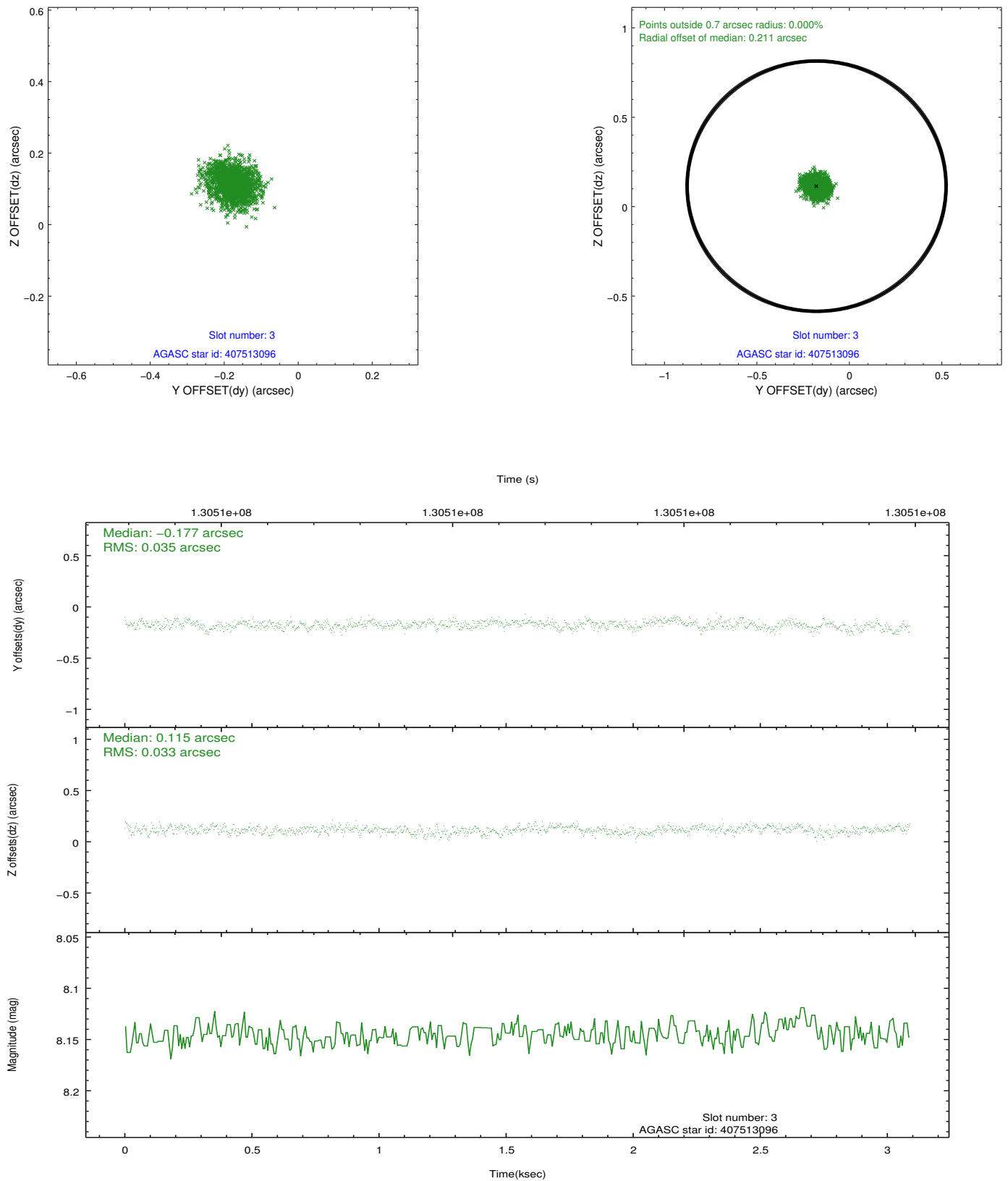


Slot Statistics

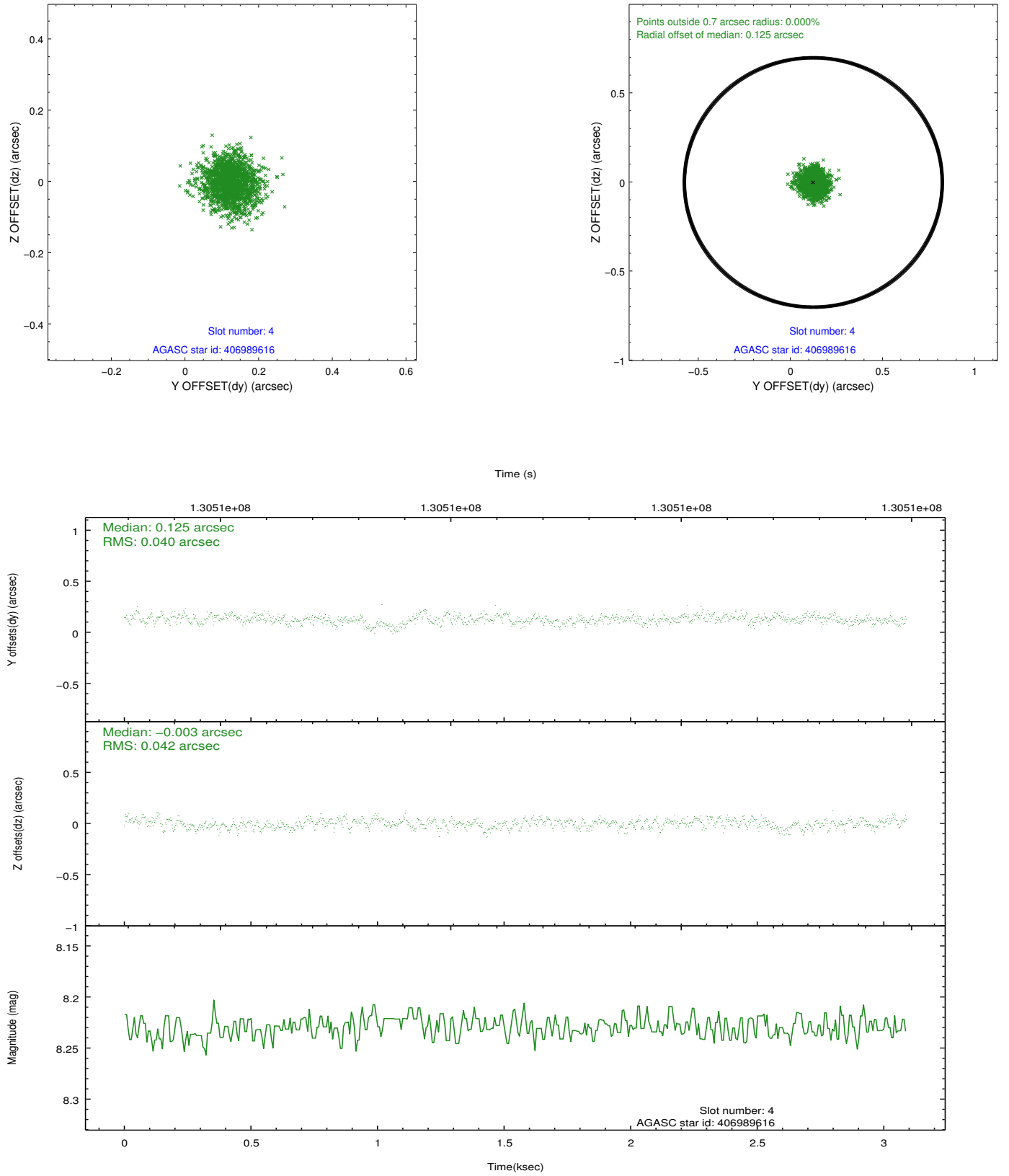
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	753	0.131	-0.077	0.006	0.011	0.000000	0.000000	-1156.90	-456.21
1	FID	HRC-S-2	6.96	753	0.106	-0.091	0.004	0.008	0.000000	0.000000	1241.22	-449.44
2	FID	HRC-S-3	6.99	753	0.153	-0.134	0.007	0.011	0.000000	0.000000	-1157.96	572.67
3	GUIDE	407513096	8.15	1507	-0.177	0.115	0.052	0.083	279.928965	39.436841	1901.62	-435.64
4	GUIDE	406989616	8.23	1506	0.125	-0.003	0.061	0.099	279.202881	38.520843	-1967.87	-569.61
5	GUIDE	407521232	8.64	1506	0.093	-0.153	0.060	0.100	279.628883	39.431715	1421.65	247.23
6	GUIDE	406983600	8.91	1507	0.018	0.010	0.073	0.119	279.940957	39.020708	677.20	-1298.09
7	GUIDE	406979352	9.25	1505	-0.058	0.036	0.075	0.124	279.968297	39.230258	1345.39	-942.11

2.4 Star Slots

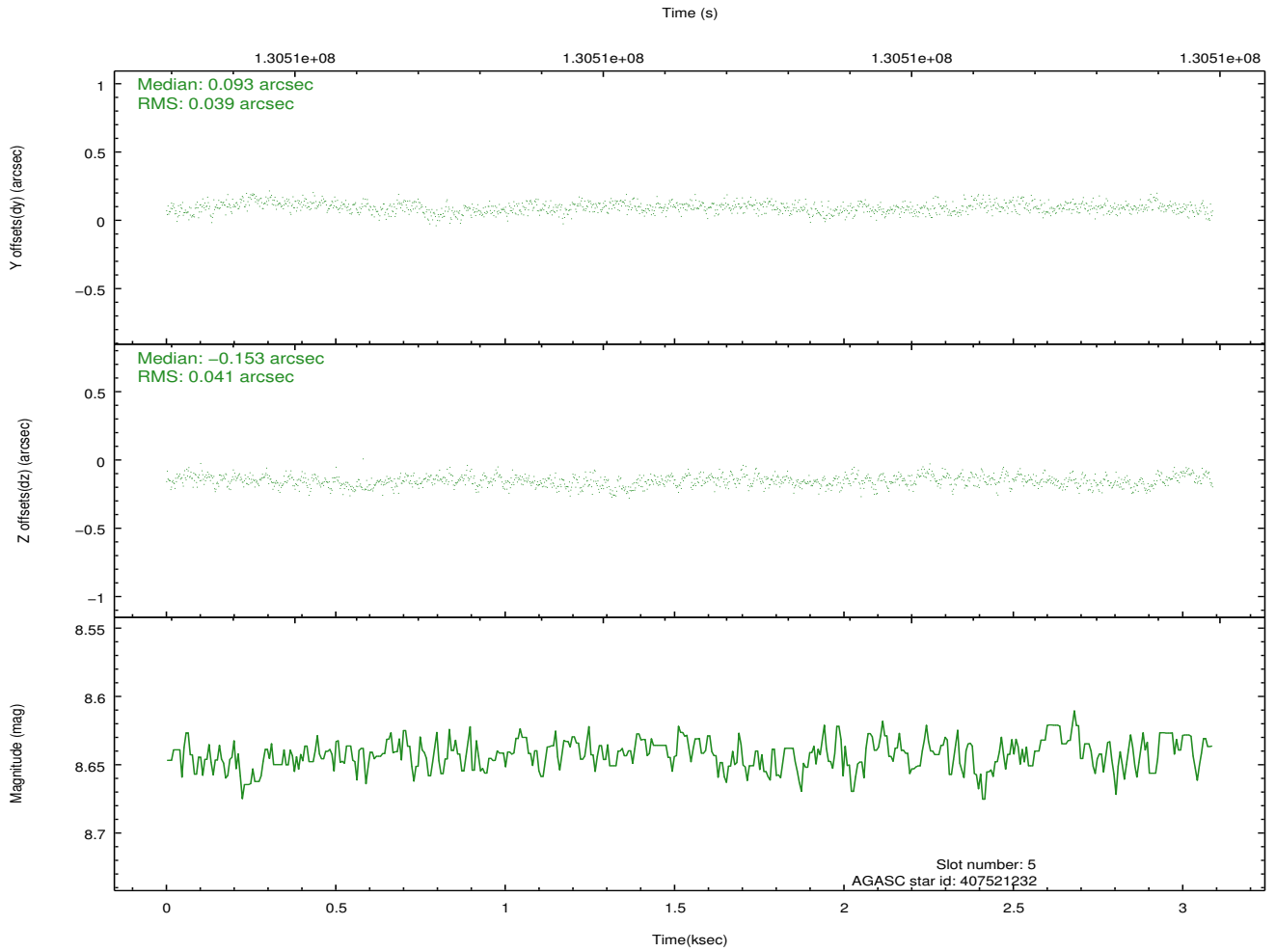
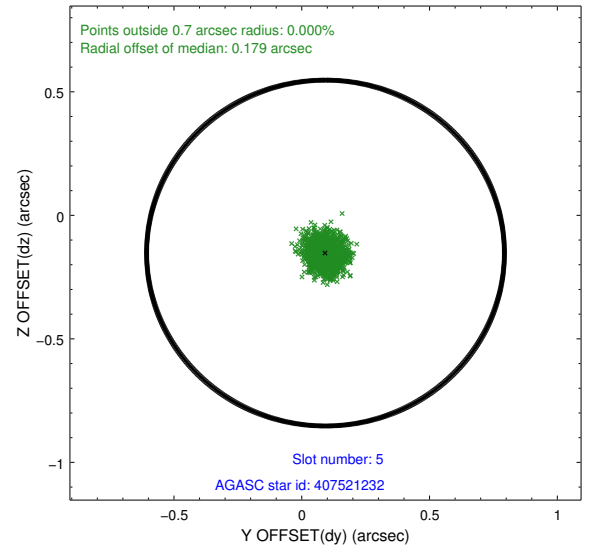
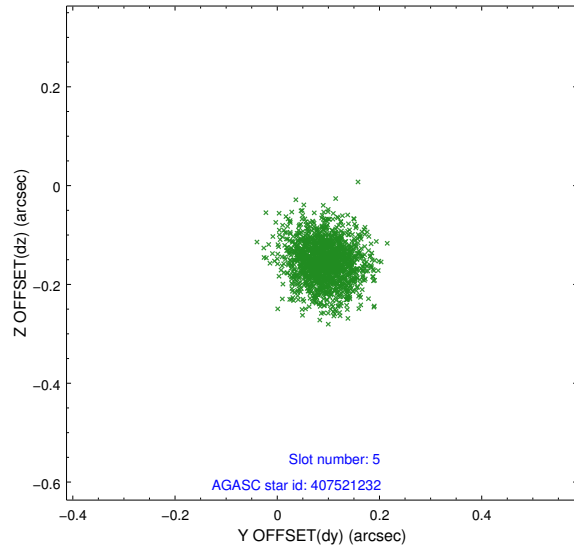
2.4.1 Slot 3



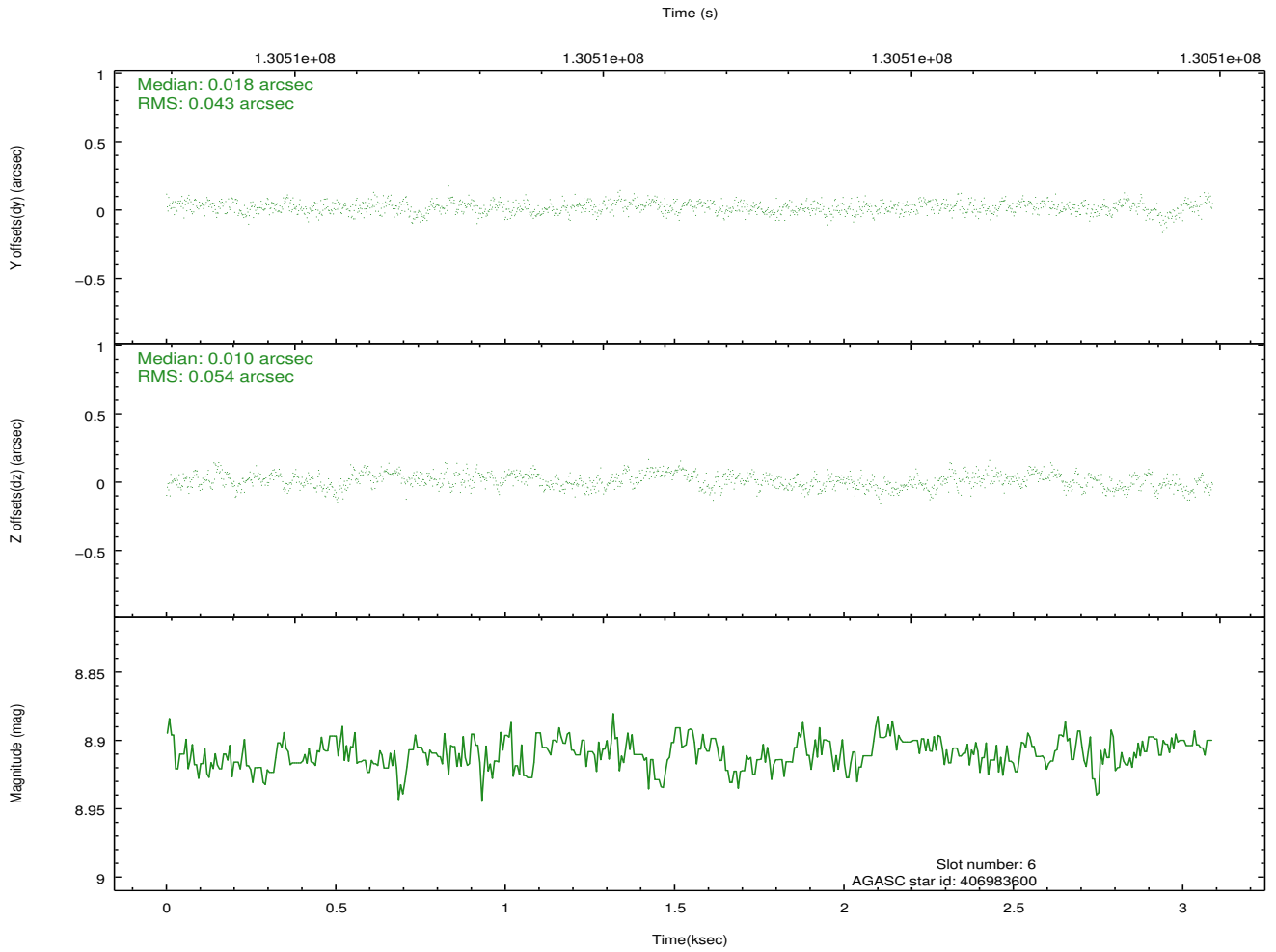
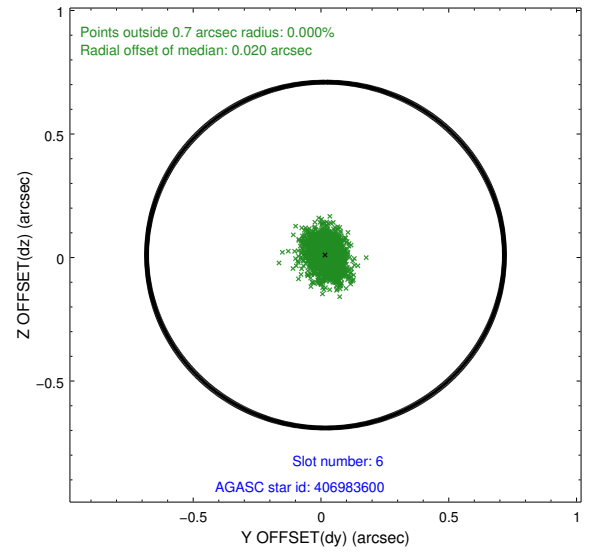
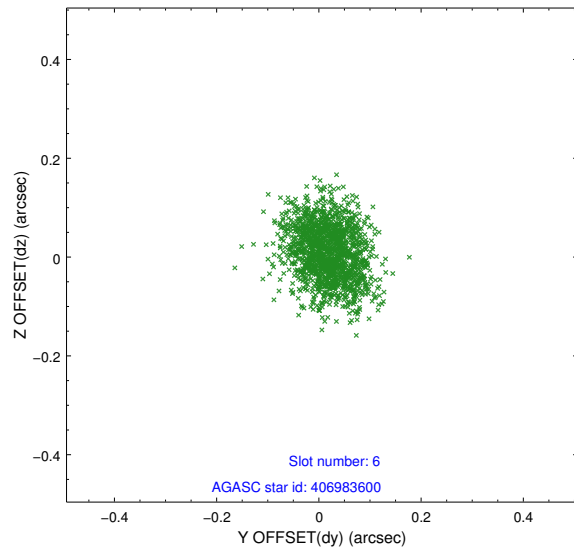
2.4.2 Slot 4



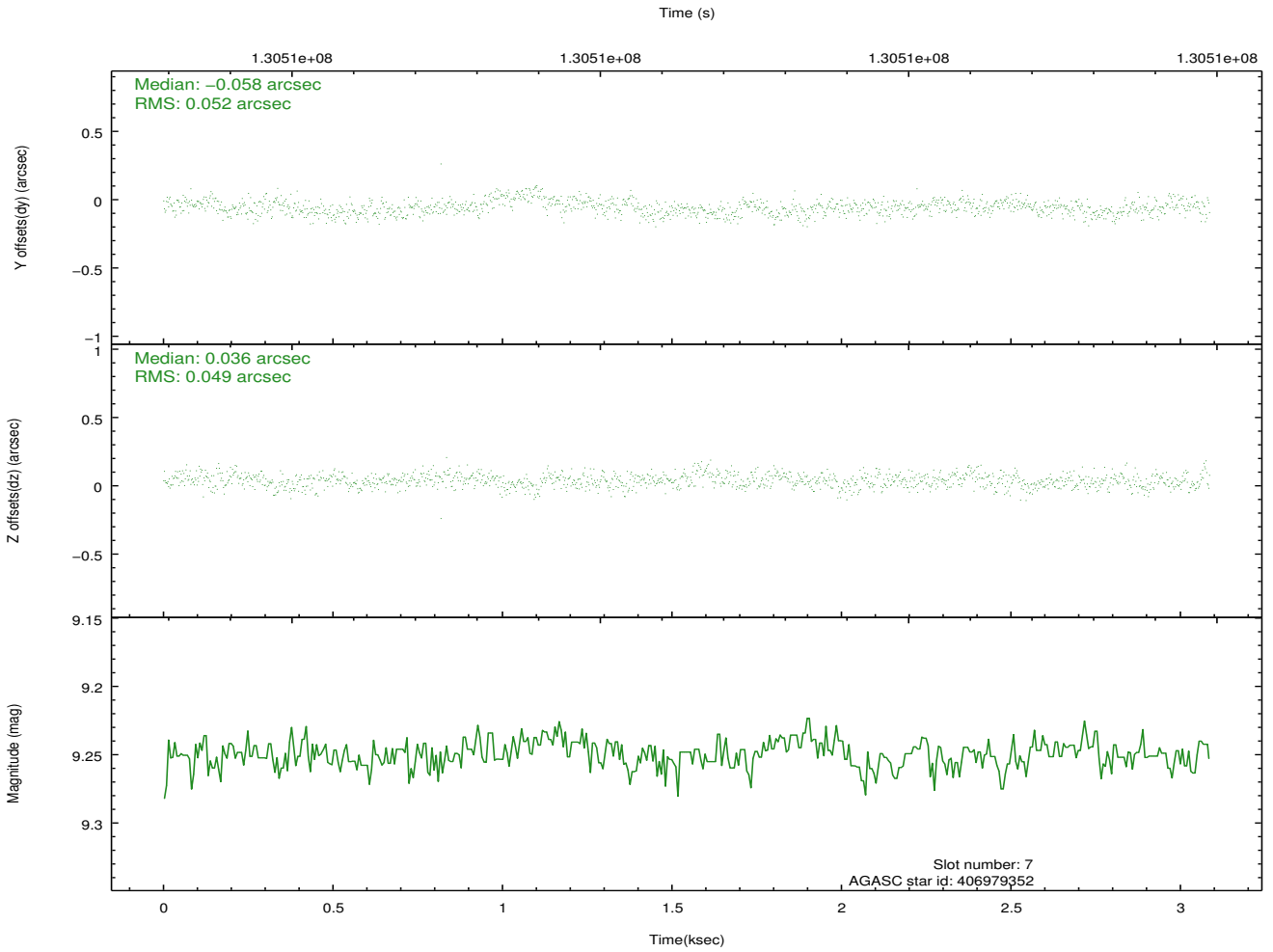
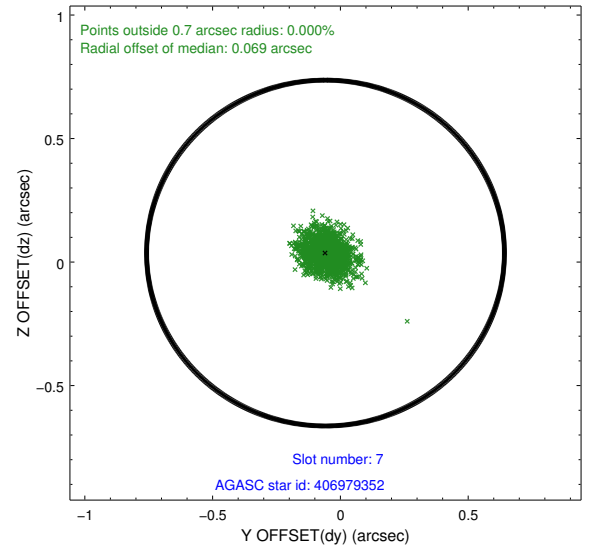
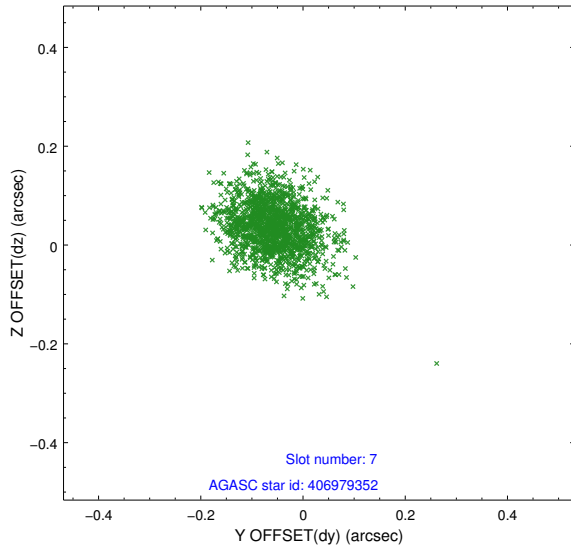
2.4.3 Slot 5



2.4.4 Slot 6

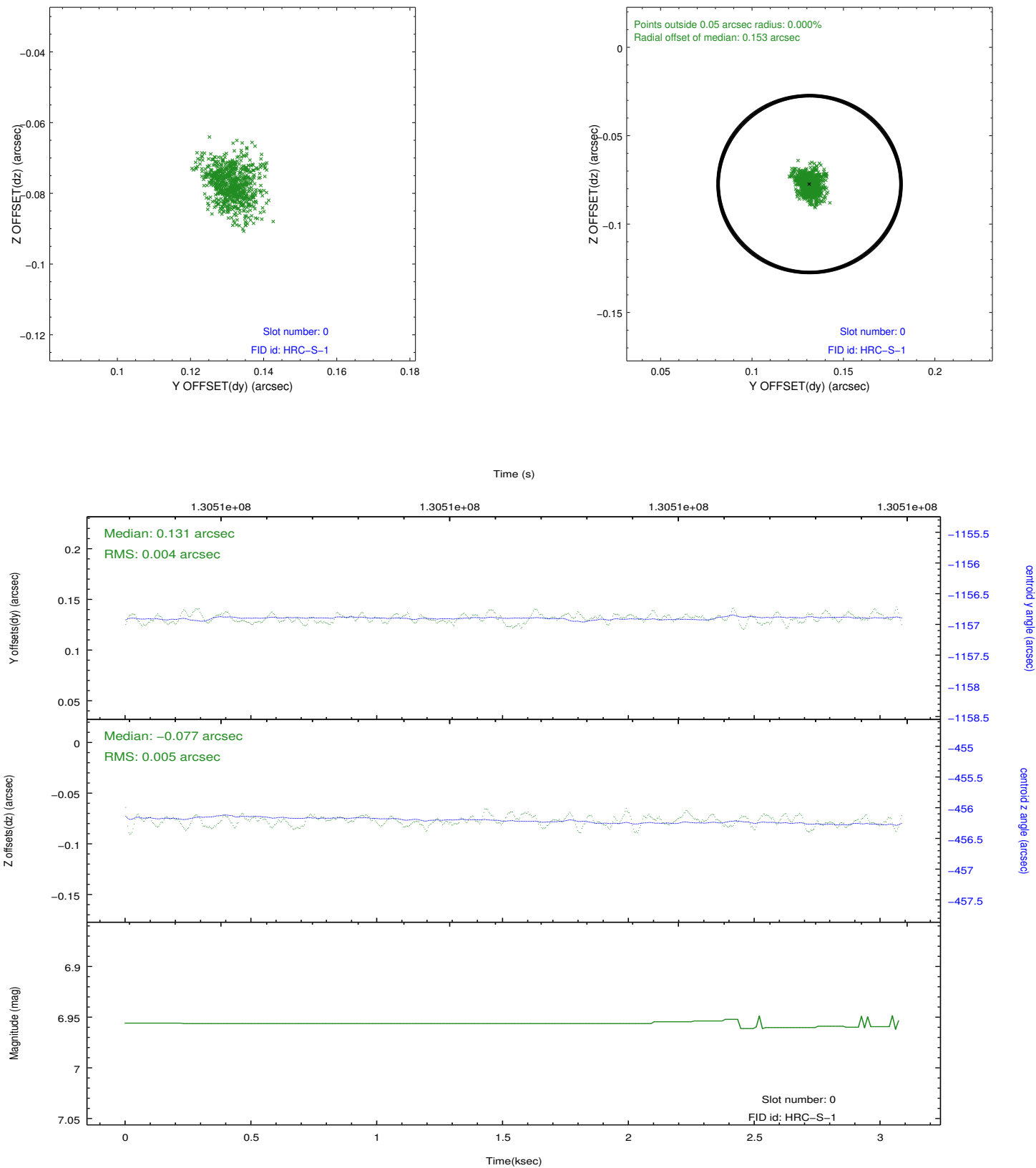


2.4.5 Slot 7

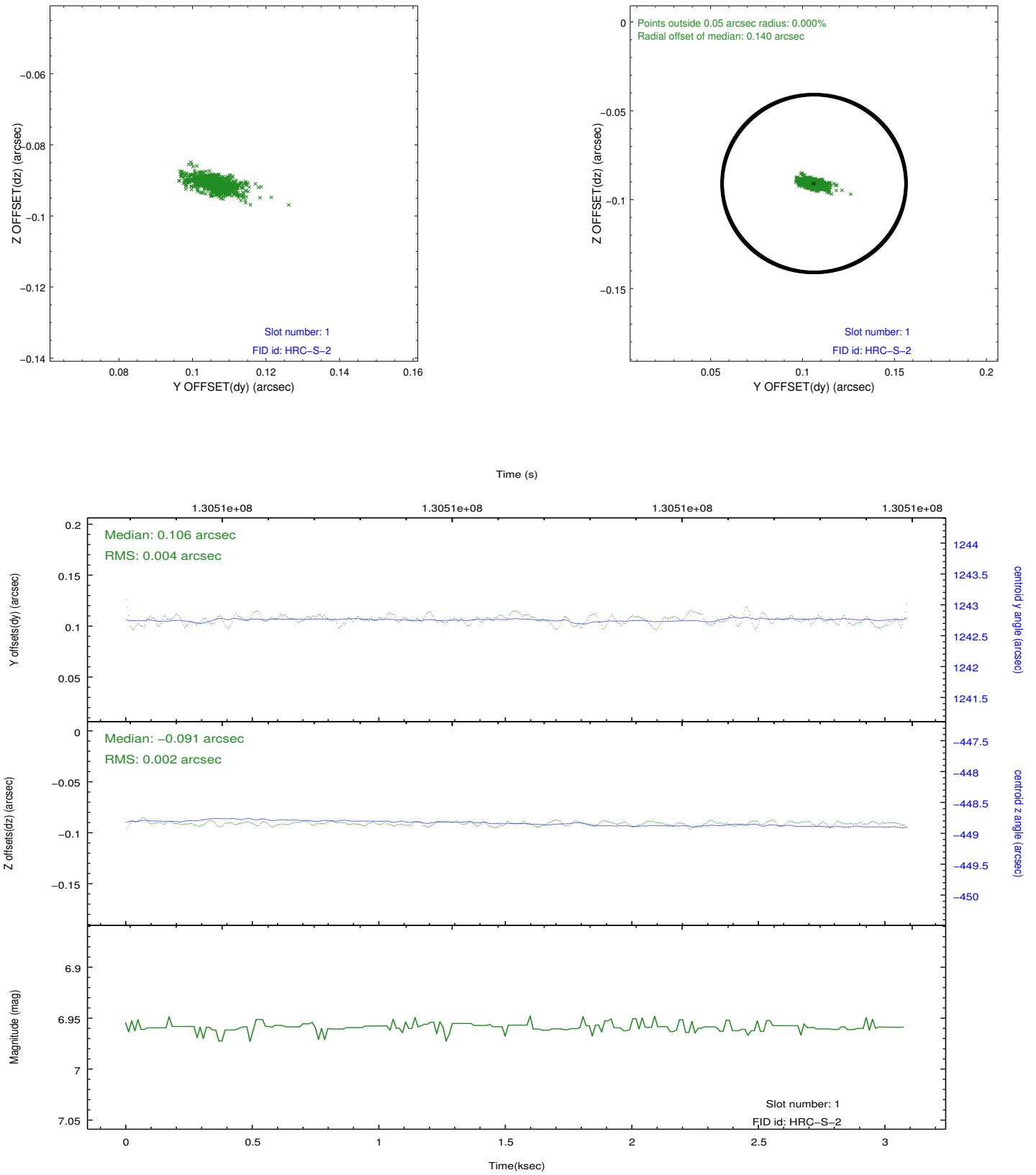


2.5 FID Slots

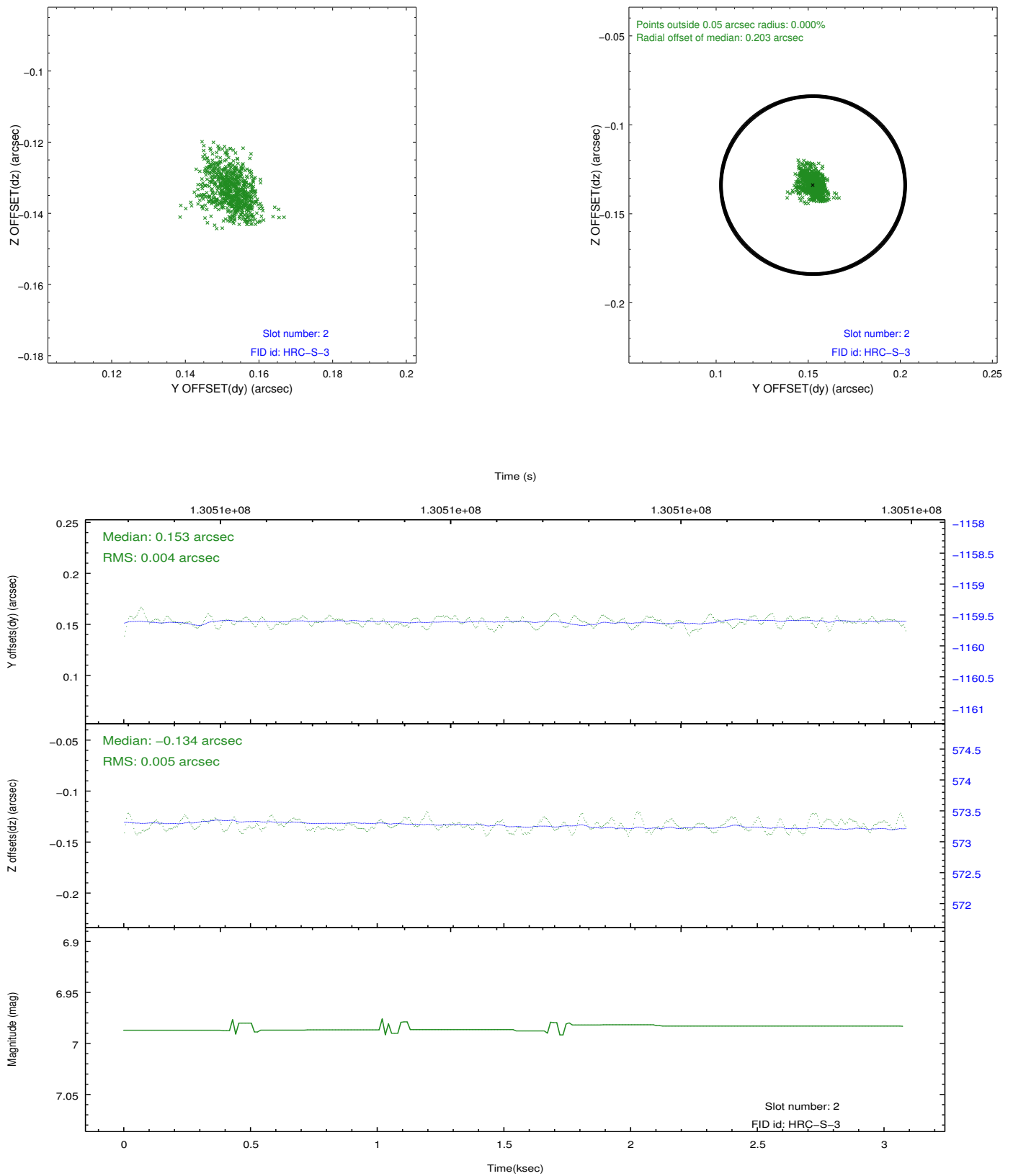
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.08

A.2 Comments

Charge time for this ObsId remains at previous value of 3.08 ks although with the current processing the charge time would have been 3.04 ksec.

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Window constraint met. The chip and target are far off-axis; the source is at the corner of the chip. Because of this, internal reflections off of the detector fall onto the chip in this observation. The reflections are extended and asymmetric.