

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3690 - L2 Version 3
Chandra X-Ray Center

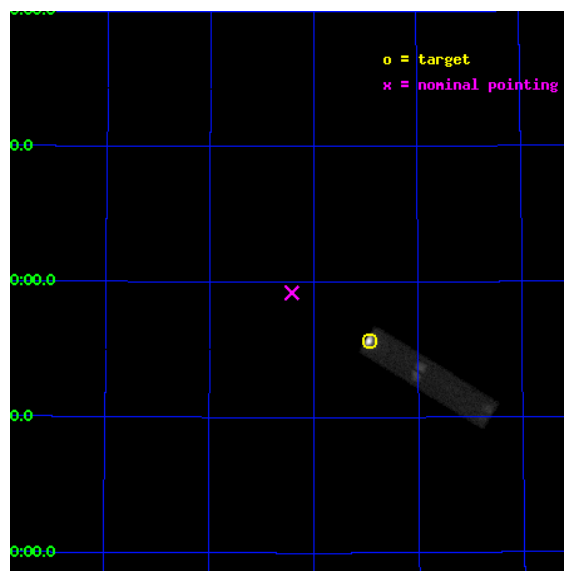
L2 Processing Date : Oct 21 2012

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1 Front

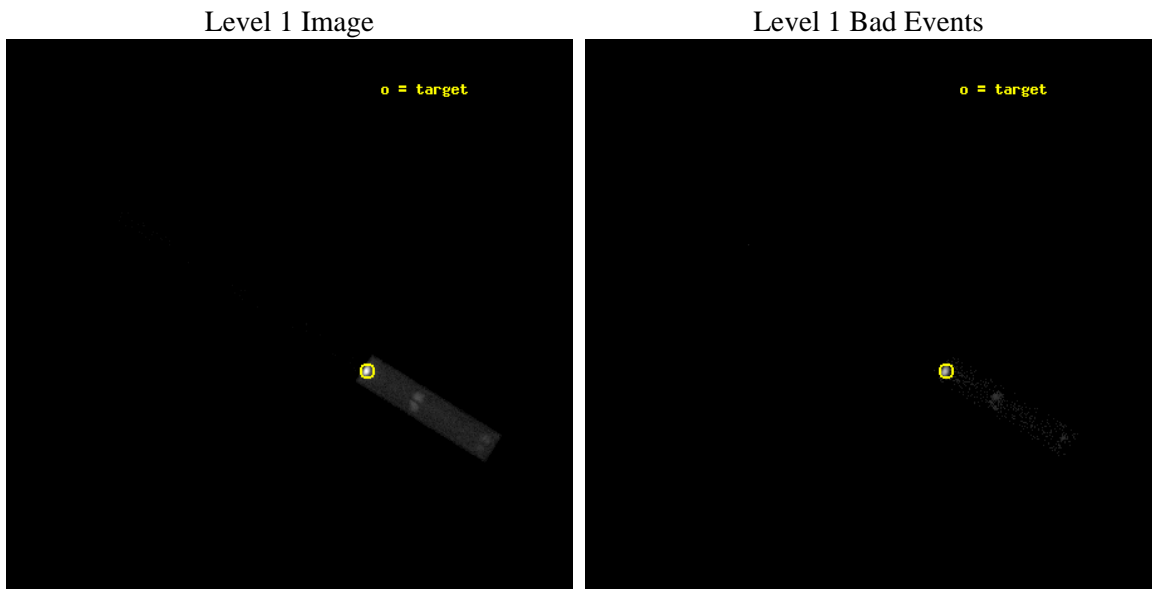
seq_num	290244	Sequence number
obs_id	3690	Observation id
title	AO4 MEASUREMENTS OF THE OPTICAL/UV TRANSMISSION OF THE HRC AND ACIS FILTERS	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.60492928173	Nominal RA [deg]
dec_nom	38.960697682205	Nominal Dec [deg]
roll_nom	31.578161422076	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2142.506339848	[s]
livetime	807.93091370588	Ontime multiplied by DTCOR
l2events	338051	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2142.506339848	[s]
caldbver	4.5.2	 	l1events	439335	Number of level 1 events
date	2012-10-21T04:53:24	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

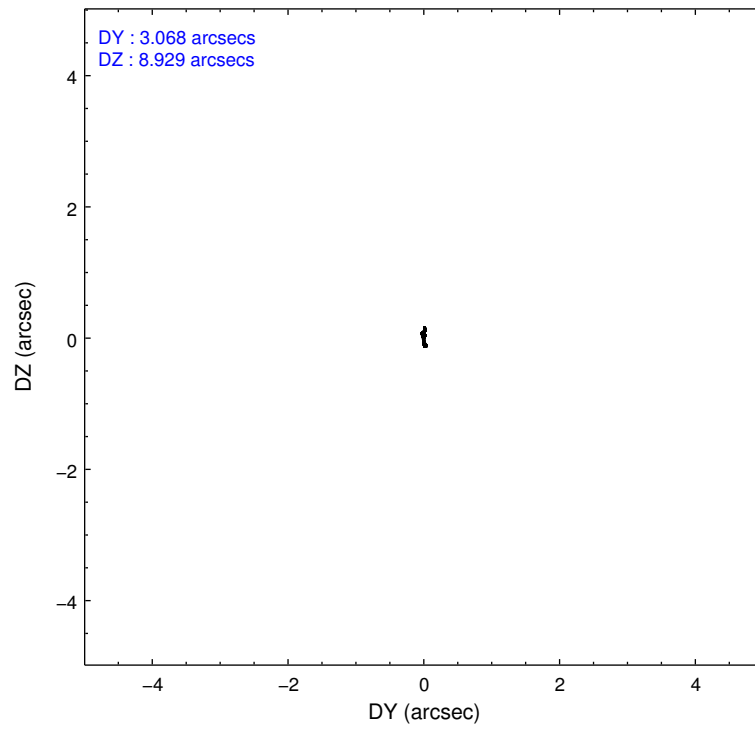
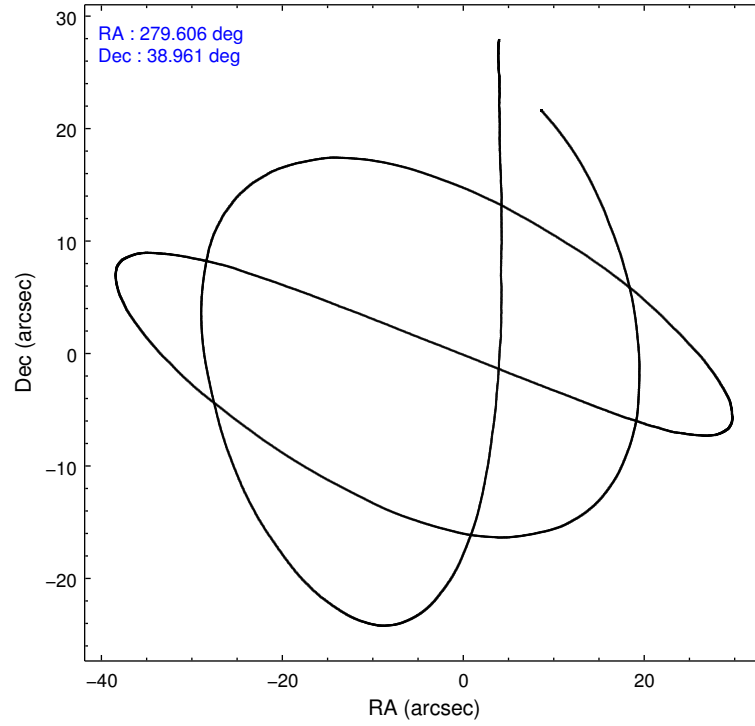
Level 1 Events

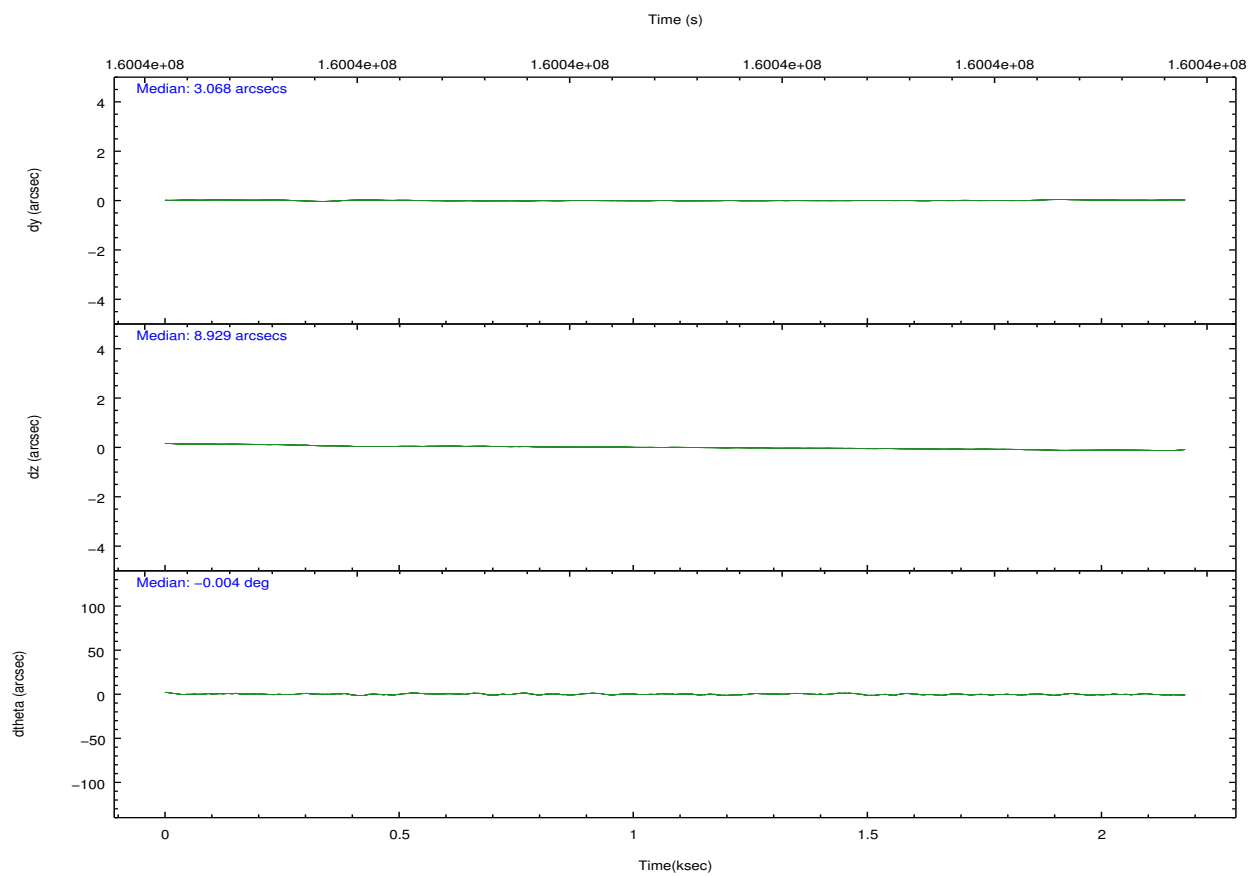
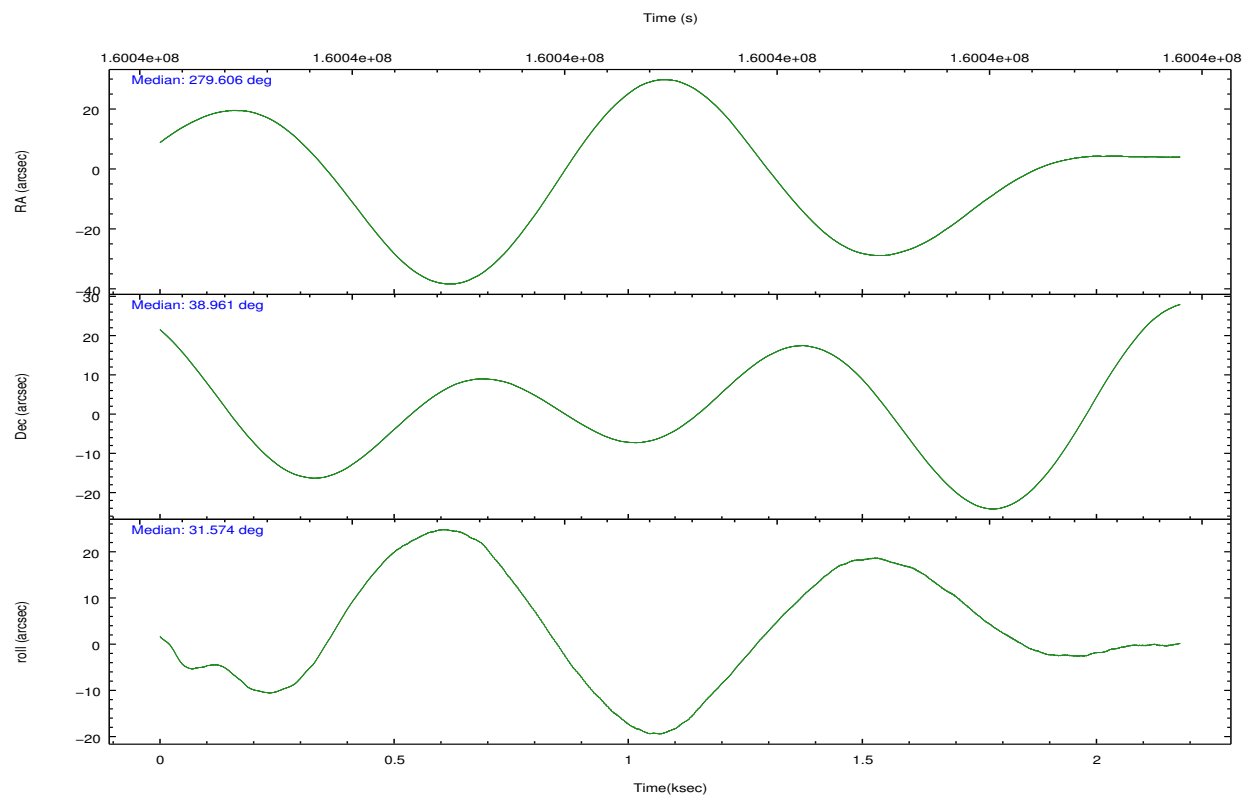
	segment 1	segment 2	segment 3
level 1 events	425966	12958	411
rejected events	30898	12941	411
rejected %	7%	99%	100%

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	279.588887	279.6049292817256			
[deg] Pointing Dec	38.935120	38.96069768220549			
[deg] Pointing Roll	31.520930	31.57816142207554			
[s] Window start time (MET)	159019264.184000	159019264.184000			
[s] Window stop time (MET)	161697664.184000	161697664.184000			
[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)	160036339.184000	160035963.43725			
Observation start date	2003-01-27T06:31:15	2003-01-27T06:26:03			
[s] Observation end time (MET)	160038339.184000	160038473.14985			
Observation end date	2003-01-27T07:04:35	2003-01-27T07:07:53			

2.3 Aspect



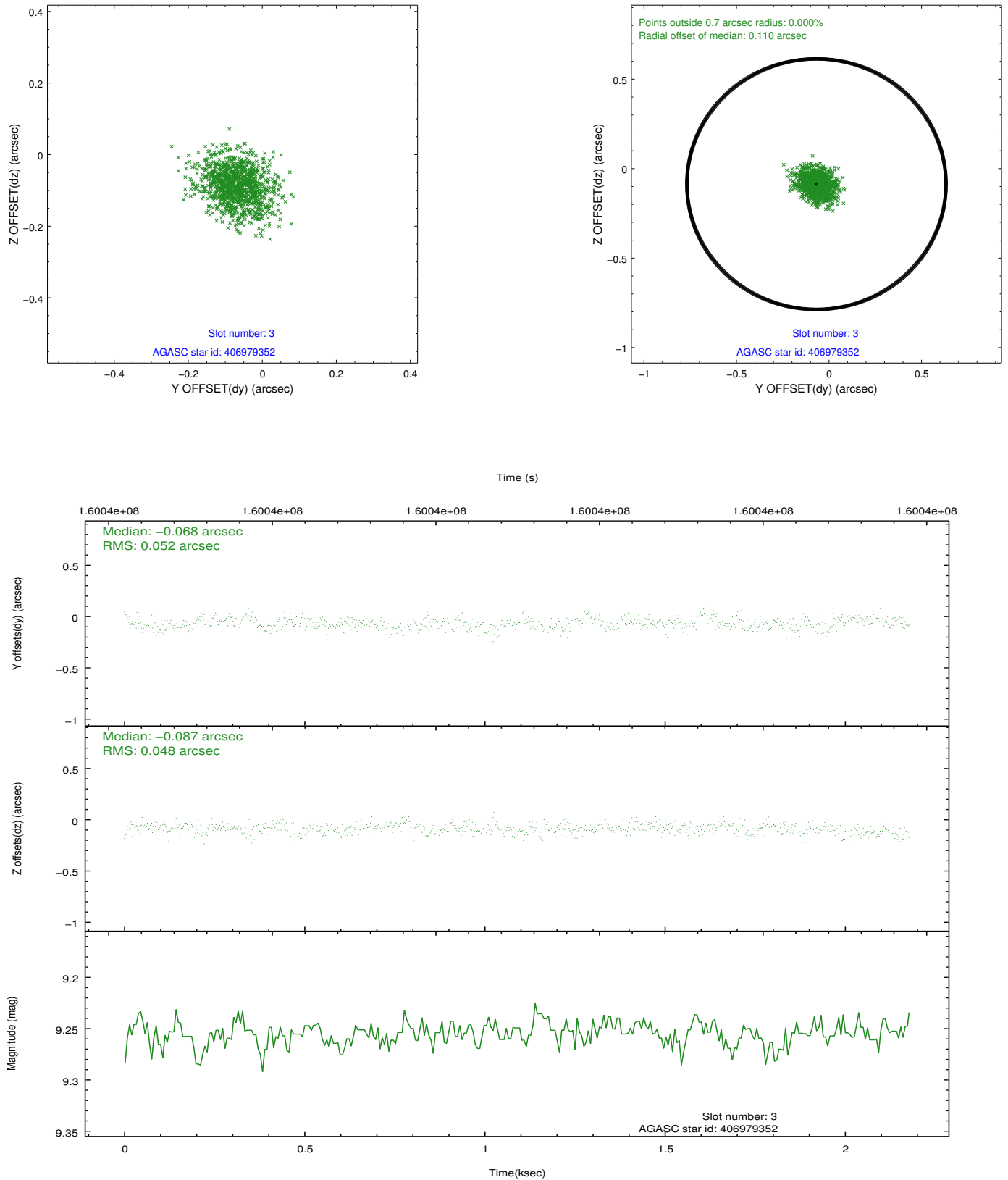


Slot Statistics

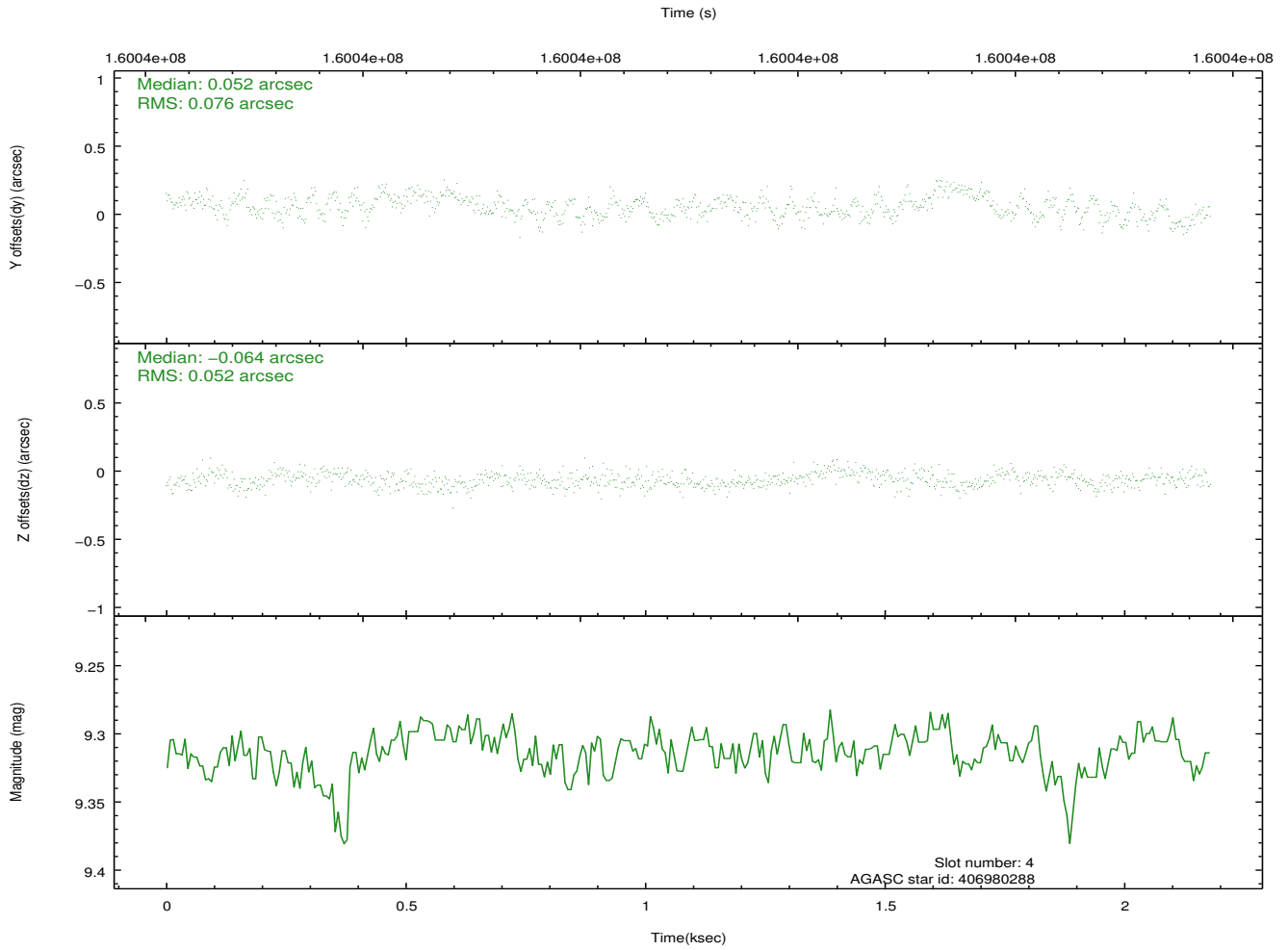
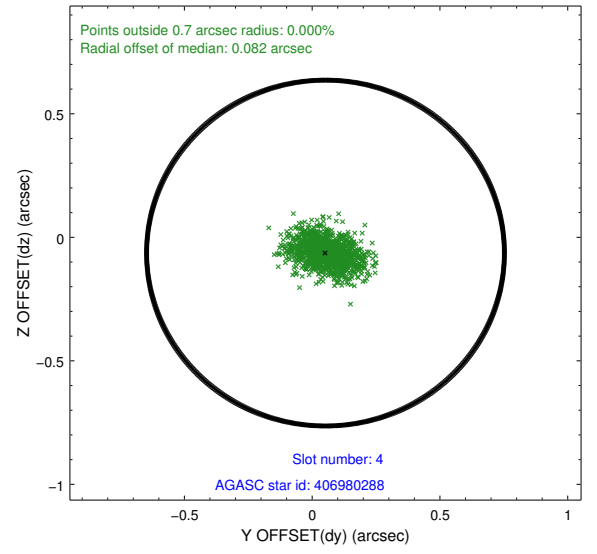
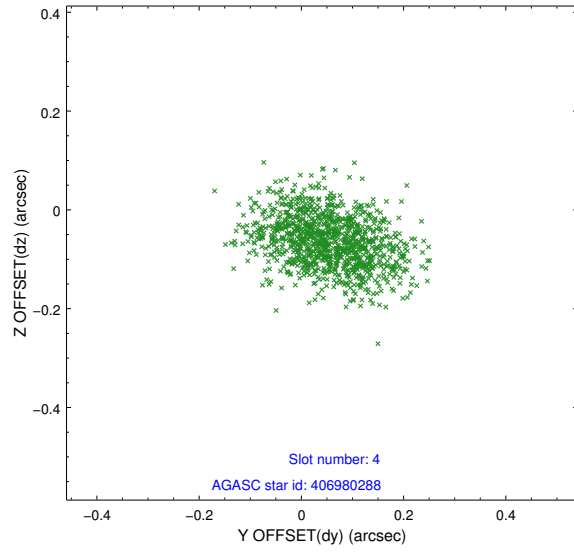
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	532	0.160	-0.147	0.008	0.013	0.000000	0.000000	-1157.08	-457.56
1	FID	HRC-S-2	7.03	532	0.087	-0.095	0.004	0.008	0.000000	0.000000	1240.35	-451.00
2	FID	HRC-S-3	7.05	532	0.143	-0.060	0.009	0.014	0.000000	0.000000	-1157.49	571.21
3	GUIDE	406979352	9.26	1064	-0.068	-0.087	0.075	0.123	279.968297	39.230258	1458.43	355.11
4	GUIDE	406980288	9.31	1063	0.052	-0.064	0.098	0.159	278.903147	39.061646	-1389.83	1398.21
5	GUIDE	406989616	8.23	1064	0.047	0.037	0.062	0.100	279.202881	38.520843	-1706.39	-698.67
6	GUIDE	407521232	8.64	1064	-0.087	0.027	0.081	0.118	279.628883	39.431715	1027.84	1466.38
7	GUIDE	406987320	9.69	1063	0.057	0.084	0.116	0.180	279.420366	38.109597	-1959.17	-2281.06

2.4 Star Slots

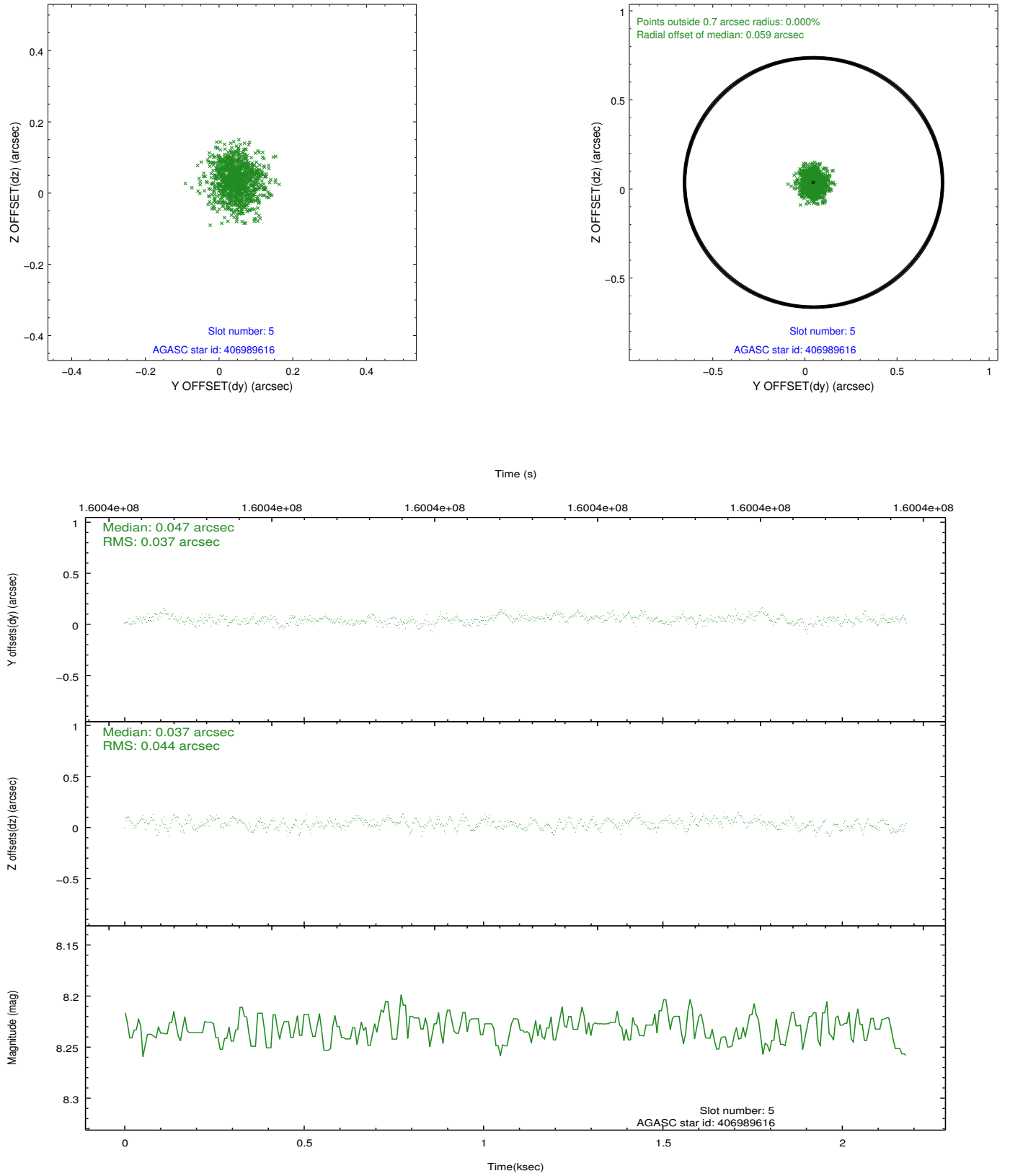
2.4.1 Slot 3



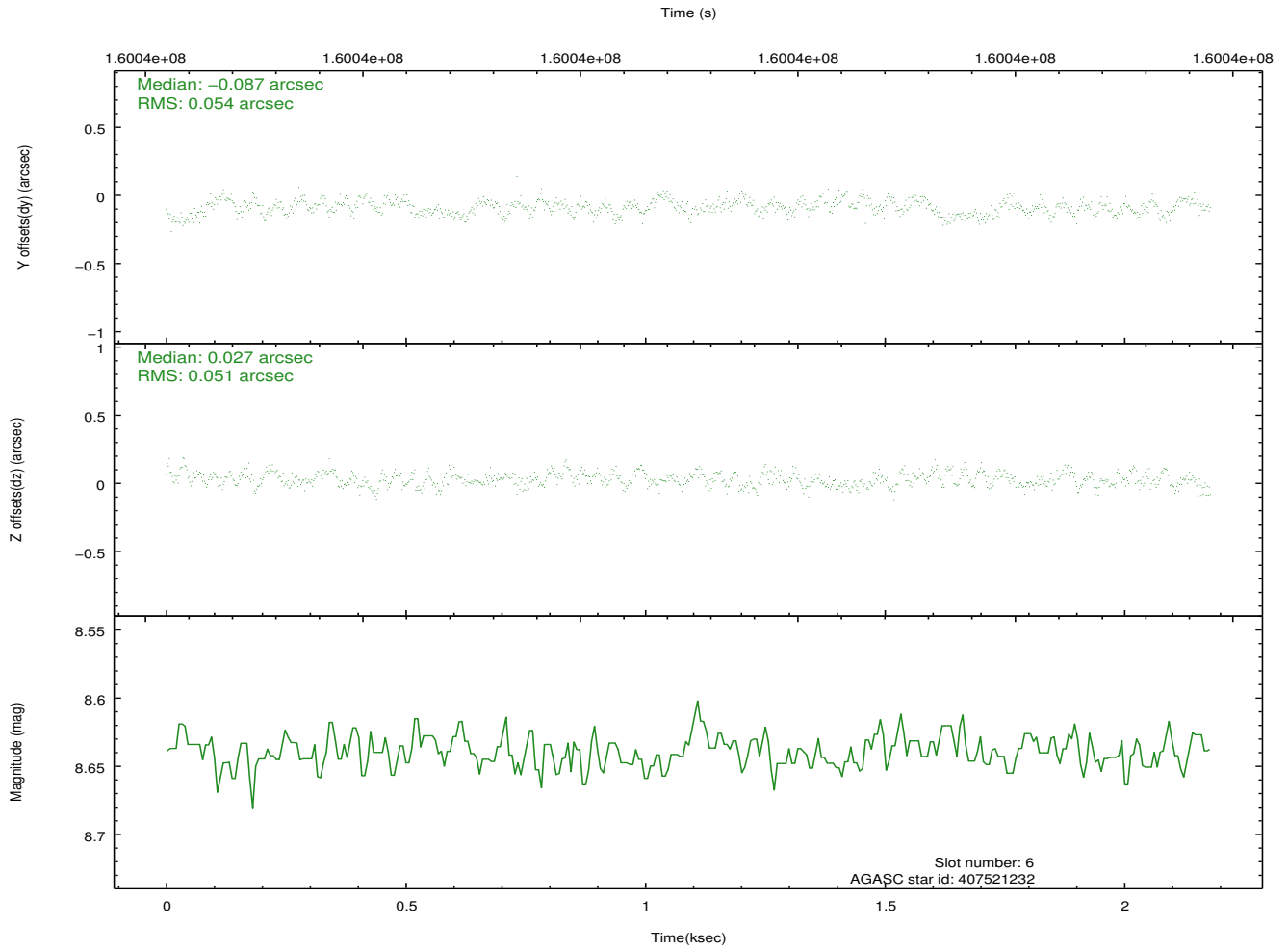
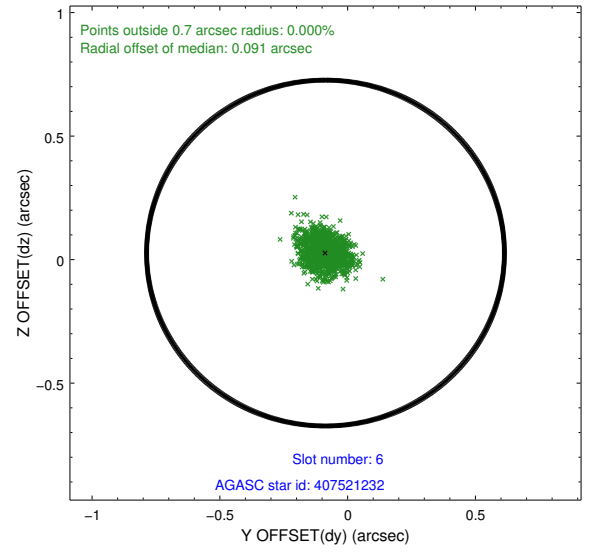
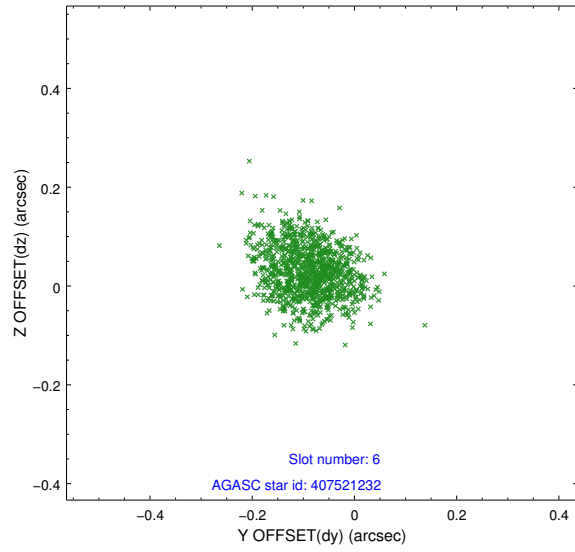
2.4.2 Slot 4



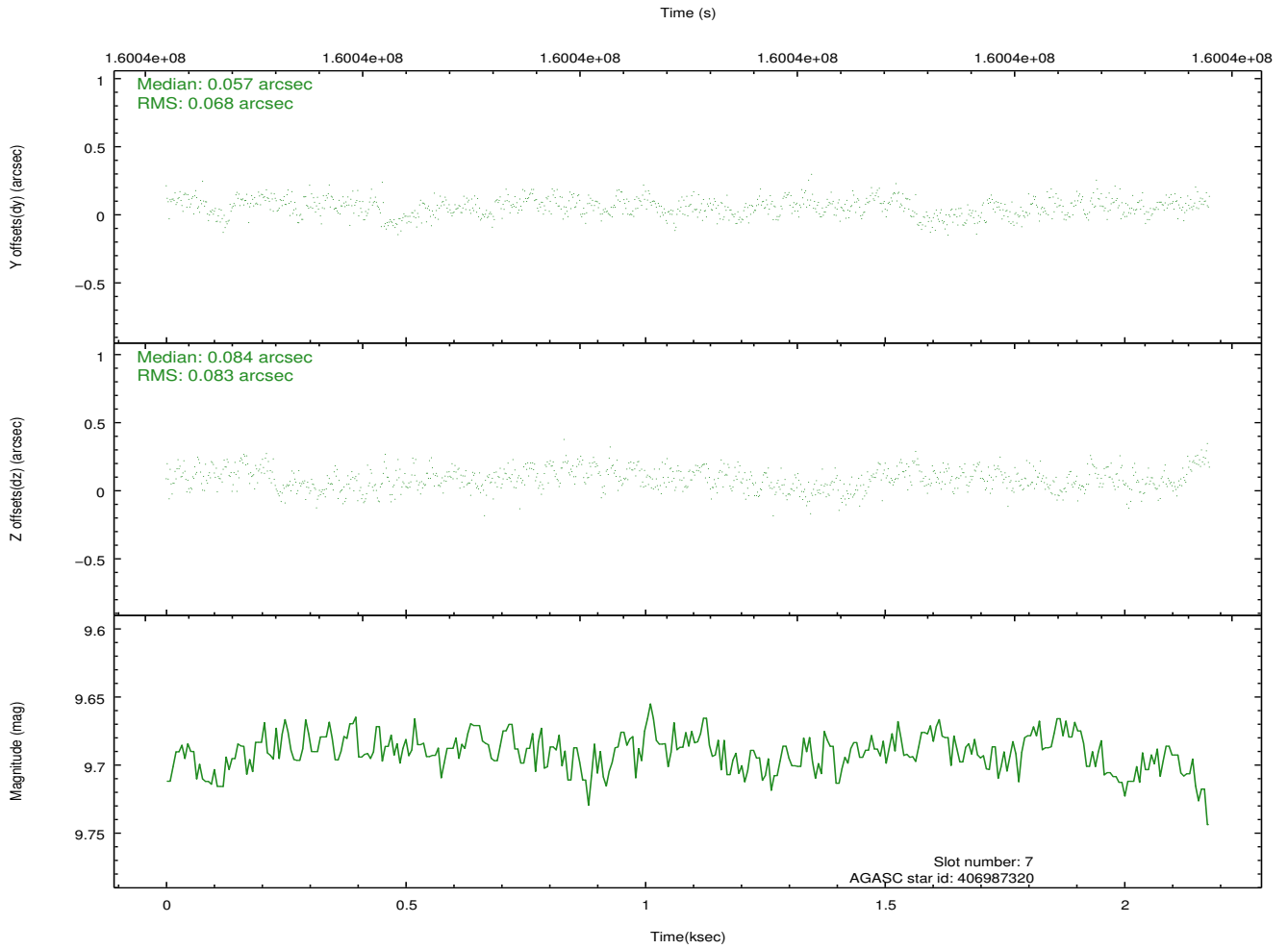
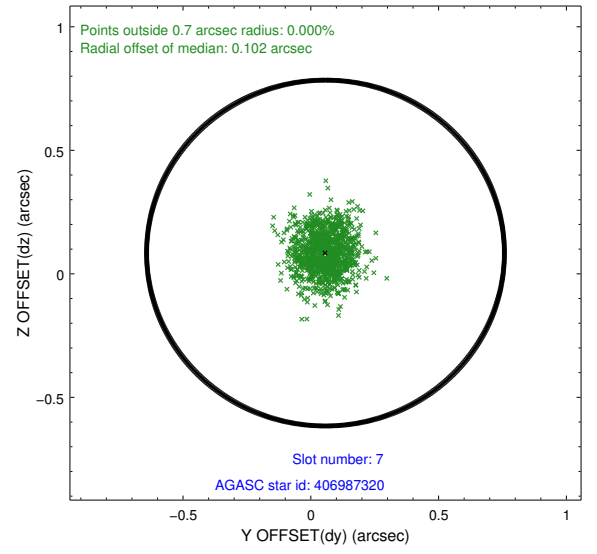
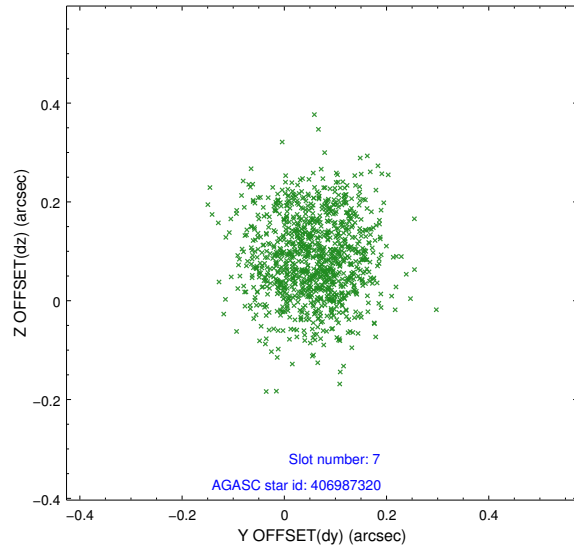
2.4.3 Slot 5



2.4.4 Slot 6

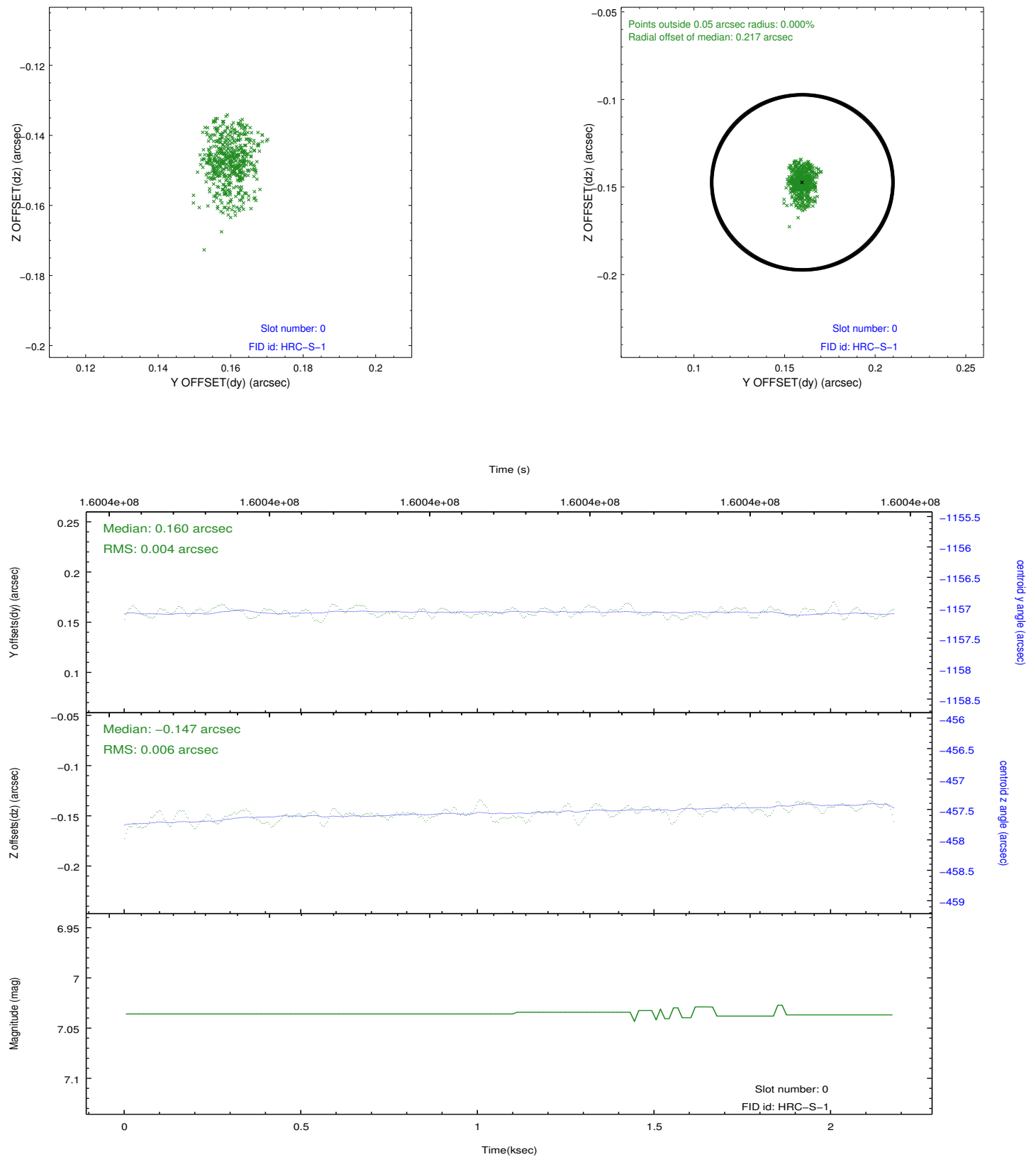


2.4.5 Slot 7

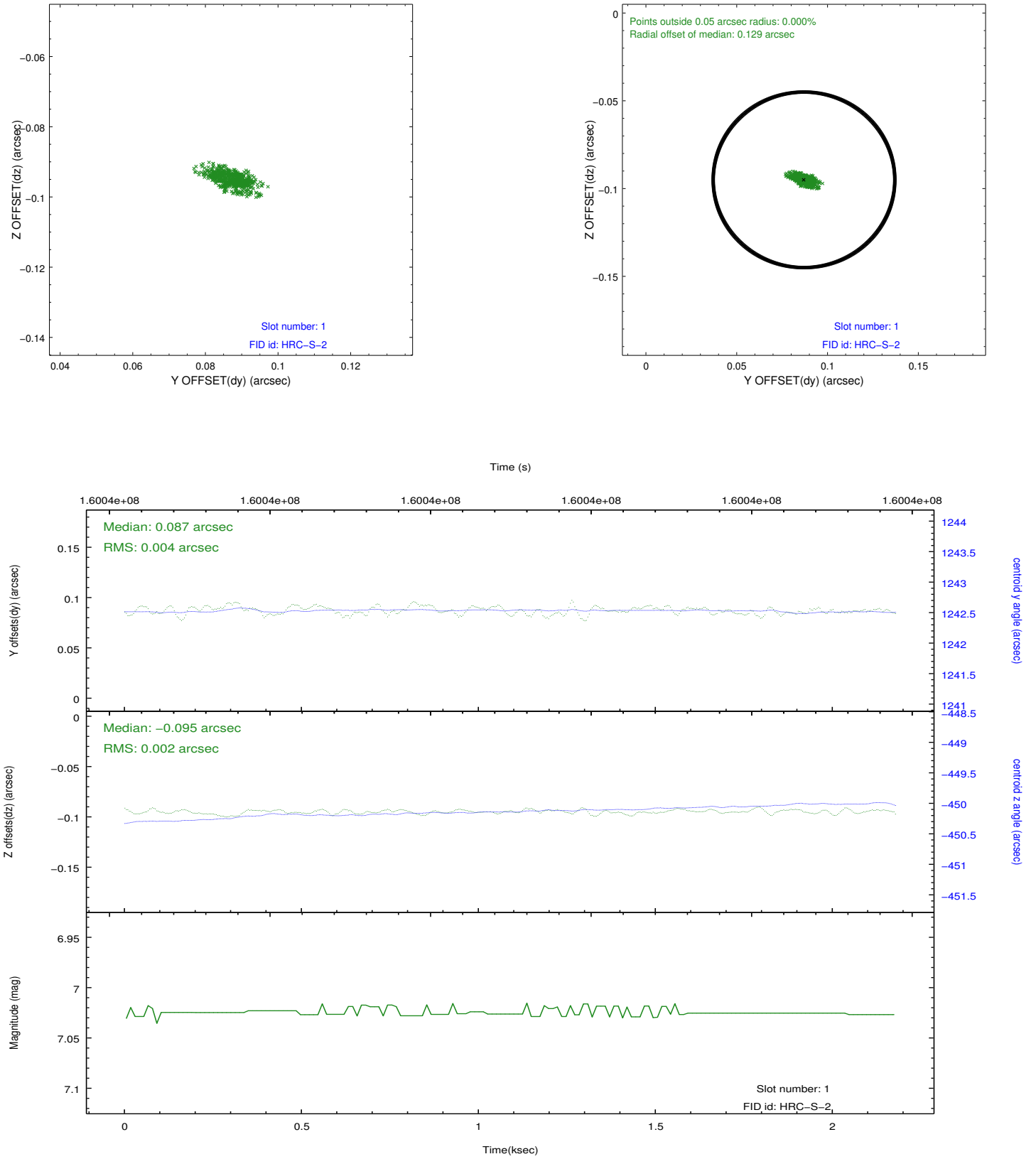


2.5 FID Slots

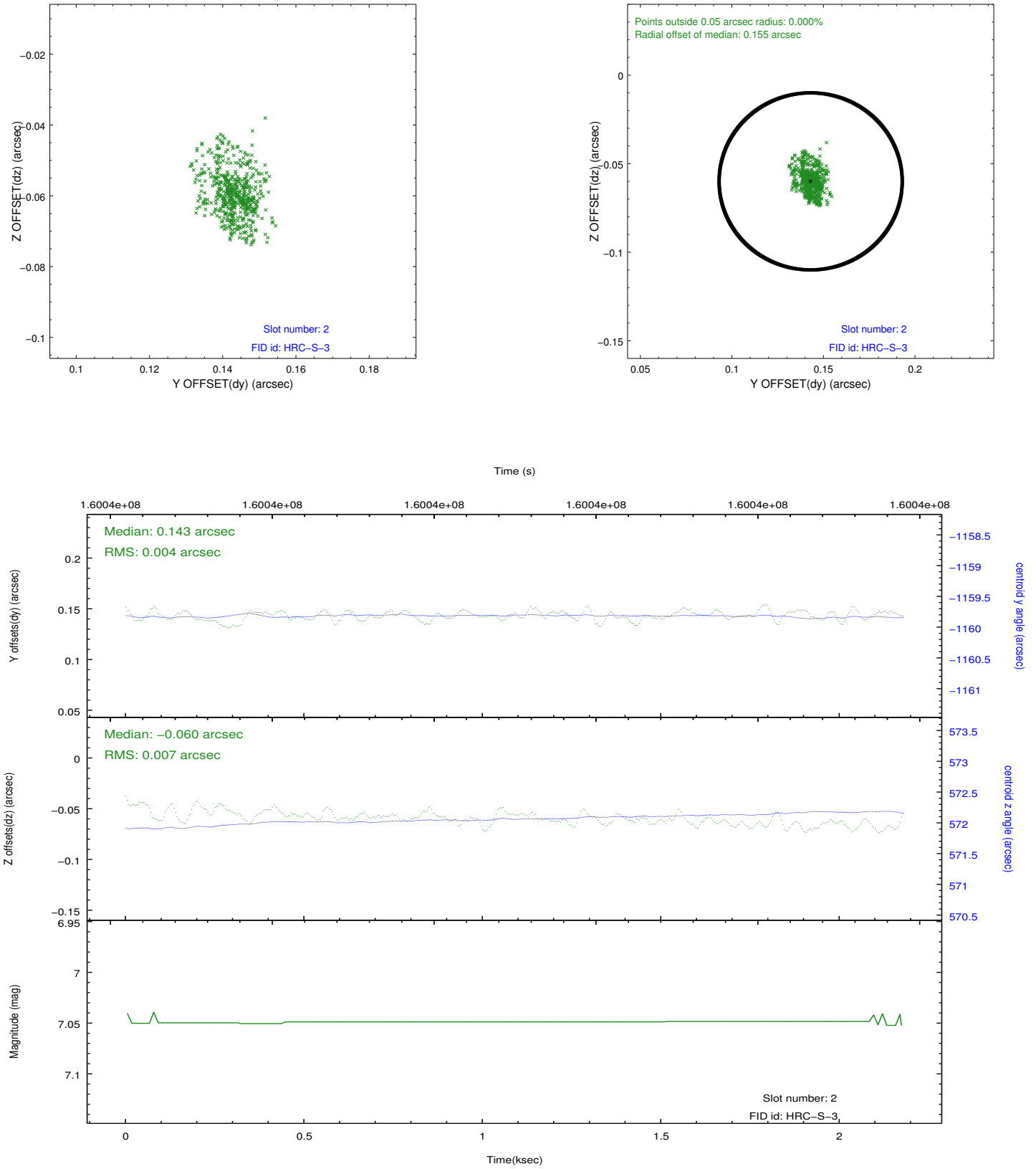
2.5.1 Slot 0



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)	2012.11.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.142

A.2 Comments

Window constraint met.