

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3690 - L2 Version 001
Chandra X-Ray Center

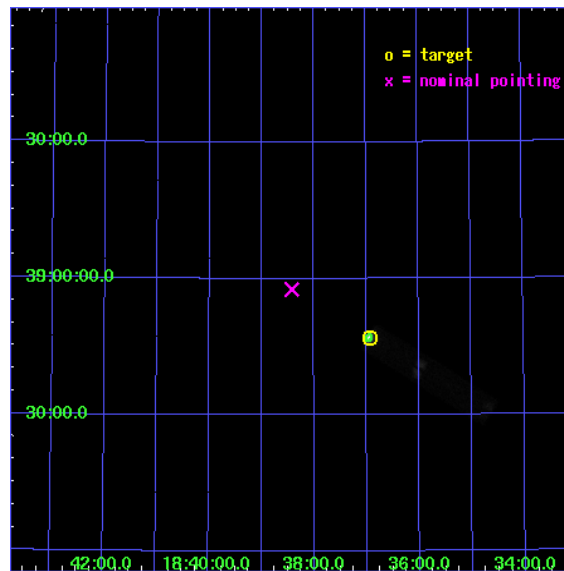
L2 Processing Date : Jul 19 2006

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1 Front

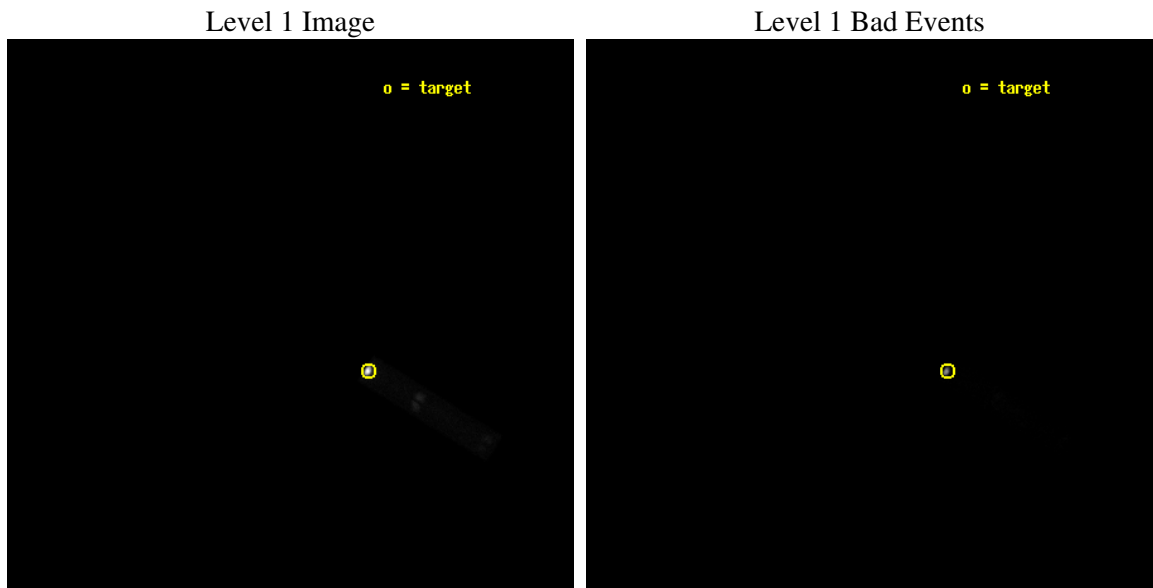
seq_num	290244
obs_id	3690
title	AO4 MEASUREMENTS OF THE OPTICAL/UV TRANSMISSION OF THE HRC AND ACIS FILTERS
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.60492928173
dec_nom	38.960697682205
roll_nom	31.578161422076
revision	2
ontime	2142.506339848
livetime	809.24878787106
l2events	336505



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-19T13:28:25
revision	2

sched_exp_time	2000.000000
ontime	2178.1250913441
l1events	439335

2.1.3 Events

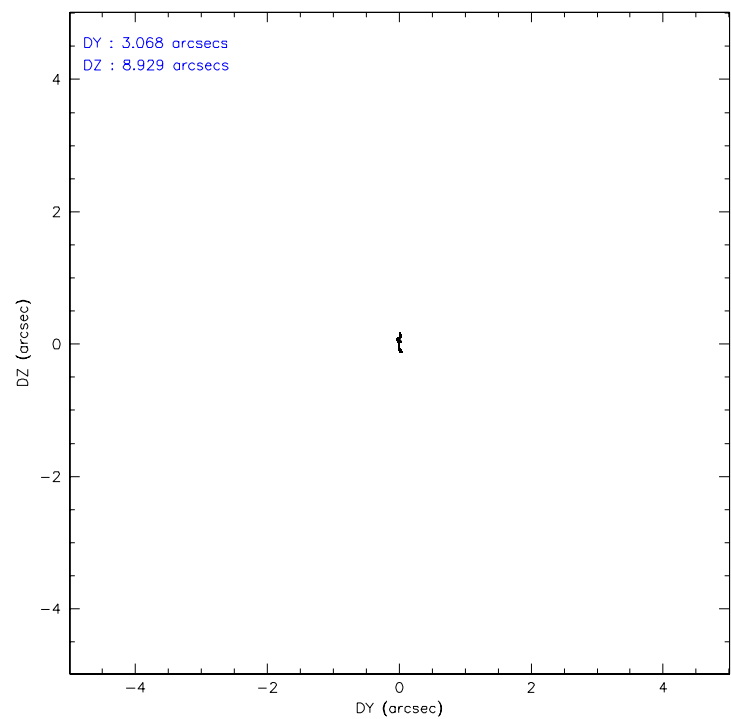
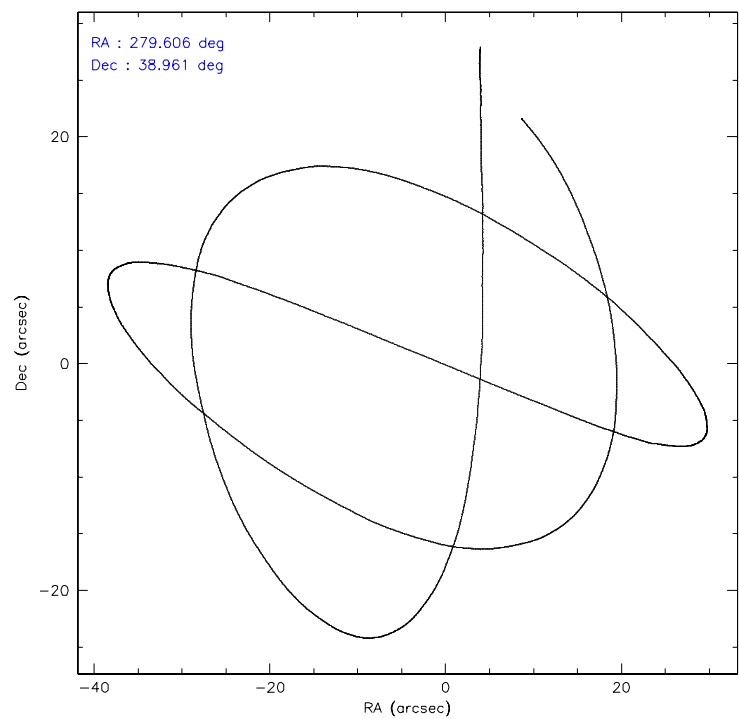
Level 1 Events

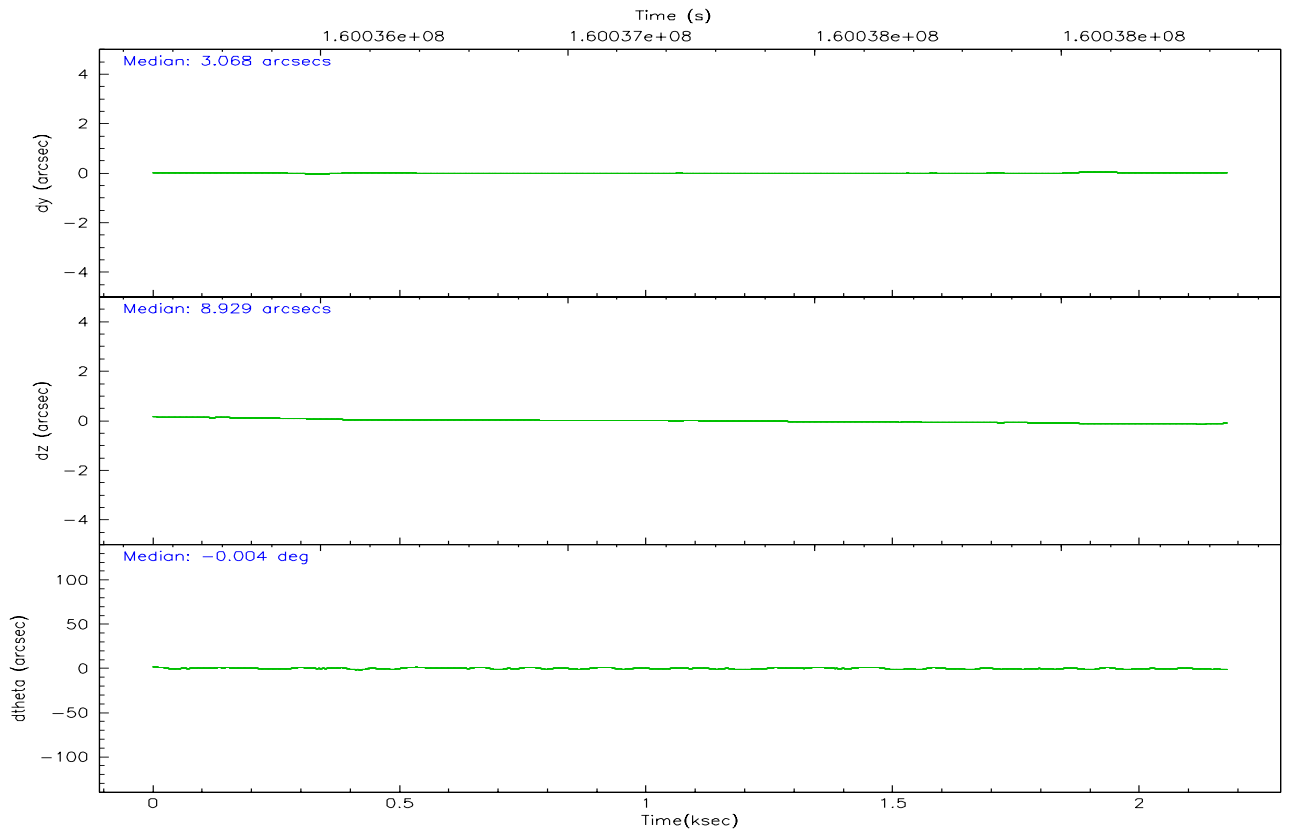
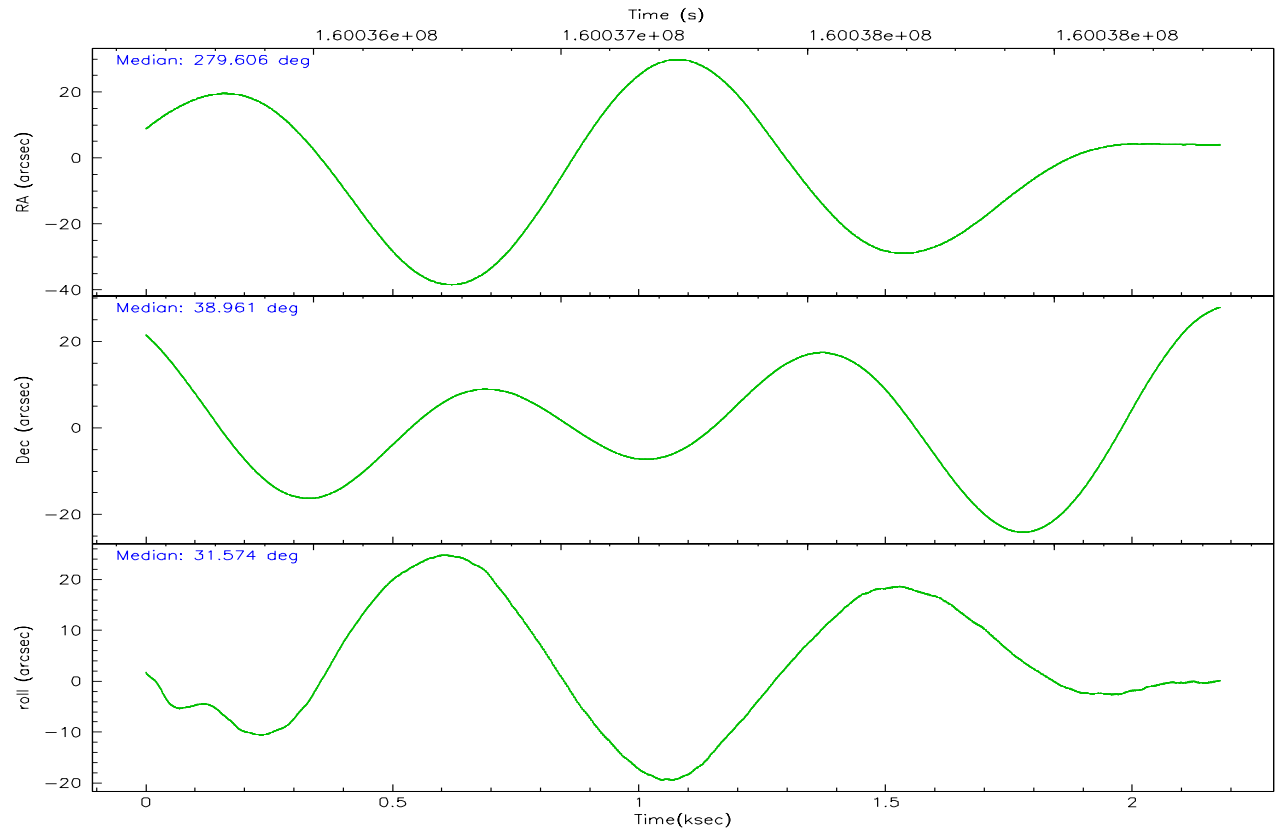
	segment 1	segment 2	segment 3
level 1 events	425966	12958	411
rejected events	36853	12943	411
rejected %	8%	99%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	279.588887	279.6049292817256			
Pointing Dec	38.935120	38.96069768220549			
Pointing Roll	31.520930	31.57816142207554			
Window start time	159019264.184000	159019264.184000			
Window stop time	161697664.184000	161697664.184000			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	160036339.184000	160035963.43725			
Observation start date	2003-01-27T06:31:15	2003-01-27T06:26:03			
Observation end time	160038339.184000	160038473.14985			
Observation end date	2003-01-27T07:04:35	2003-01-27T07:07:53			

2.3 Aspect



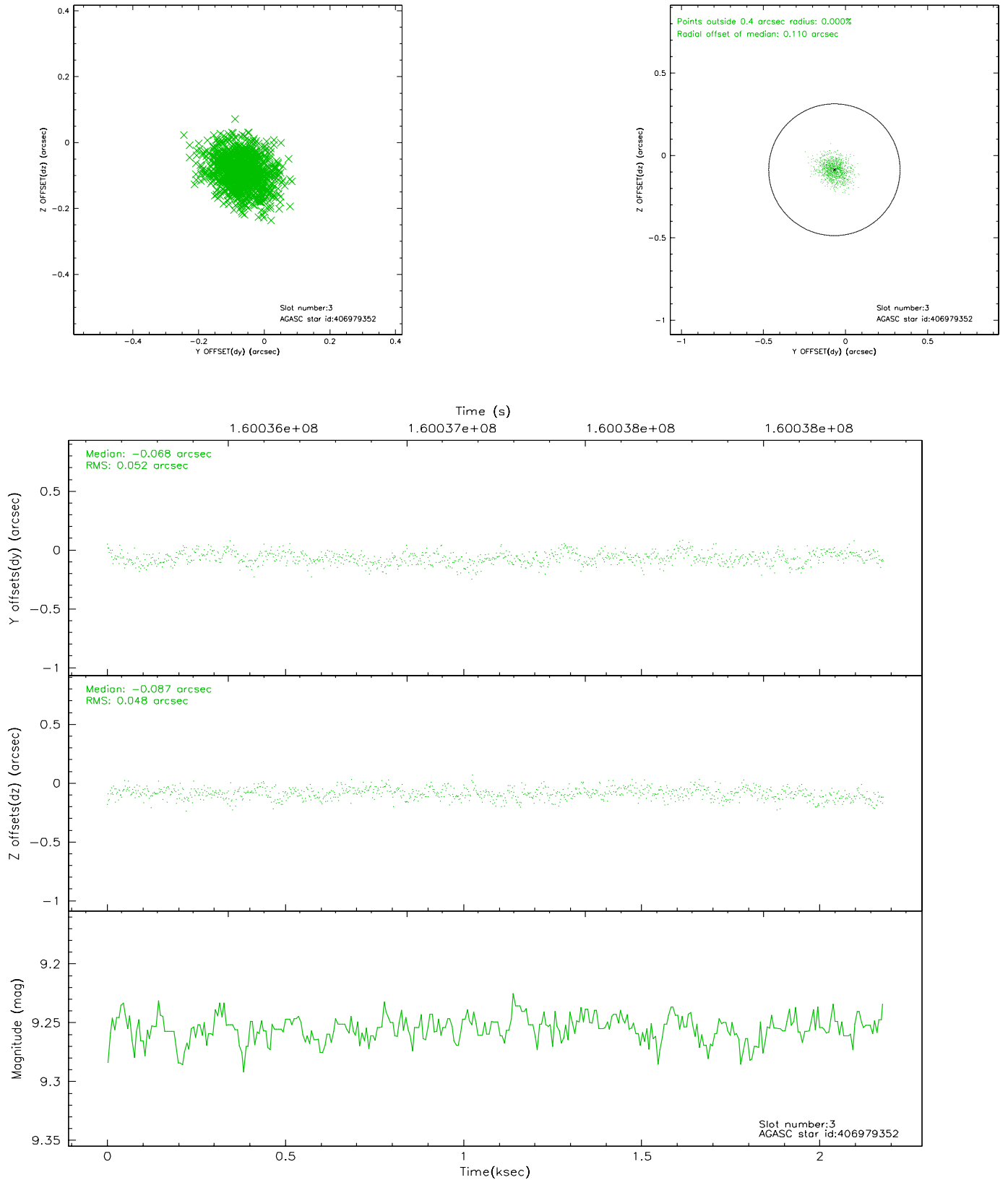


Slot Statistics

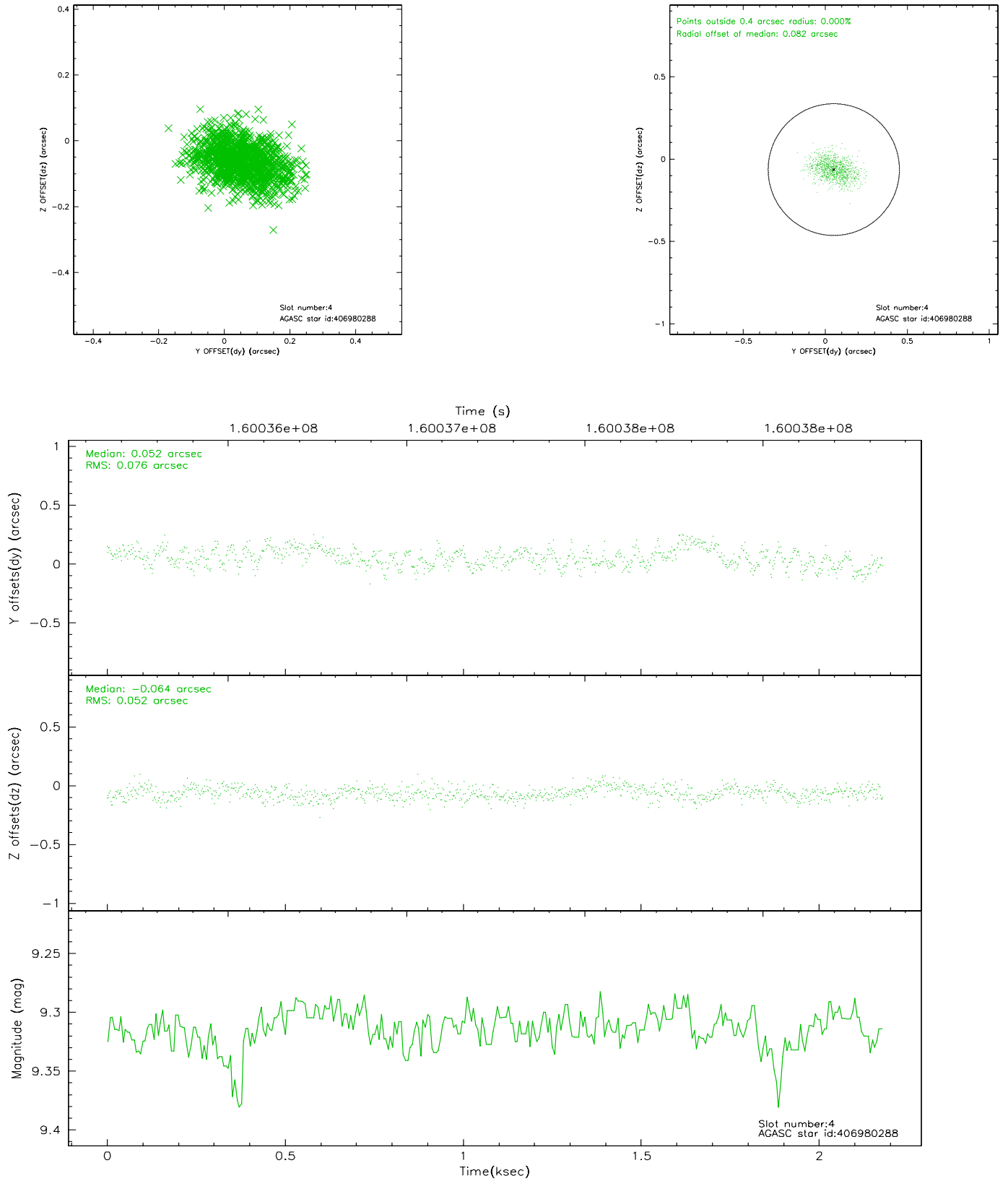
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	532	0.160	-0.147	0.008	0.013	0.000000	0.000000	-1157.08	-457.56
1	FID	HRC-S-2	7.03	532	0.087	-0.095	0.004	0.008	0.000000	0.000000	1240.35	-451.00
2	FID	HRC-S-3	7.05	532	0.143	-0.060	0.009	0.014	0.000000	0.000000	-1157.49	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

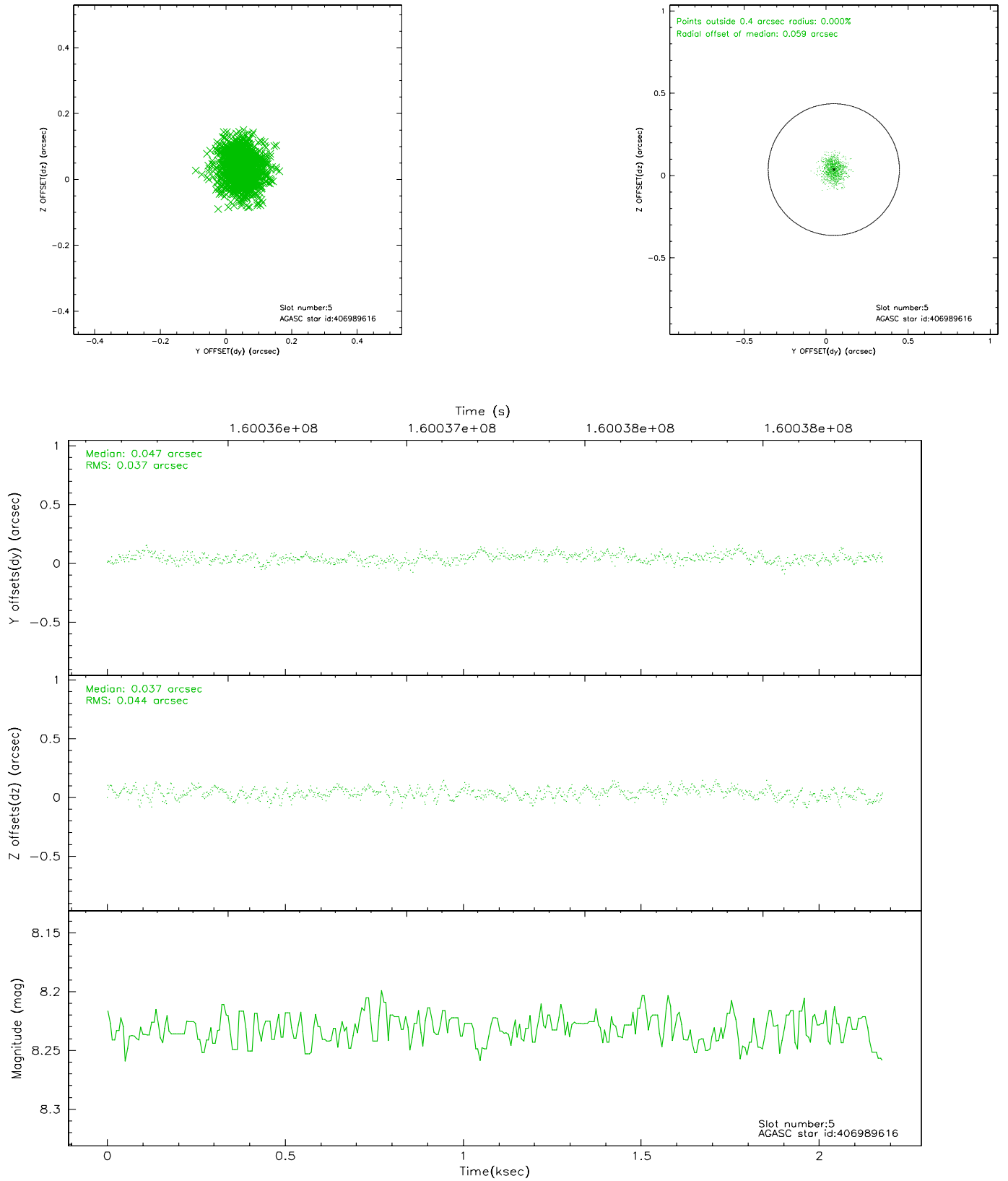
2.4.1 Slot 3



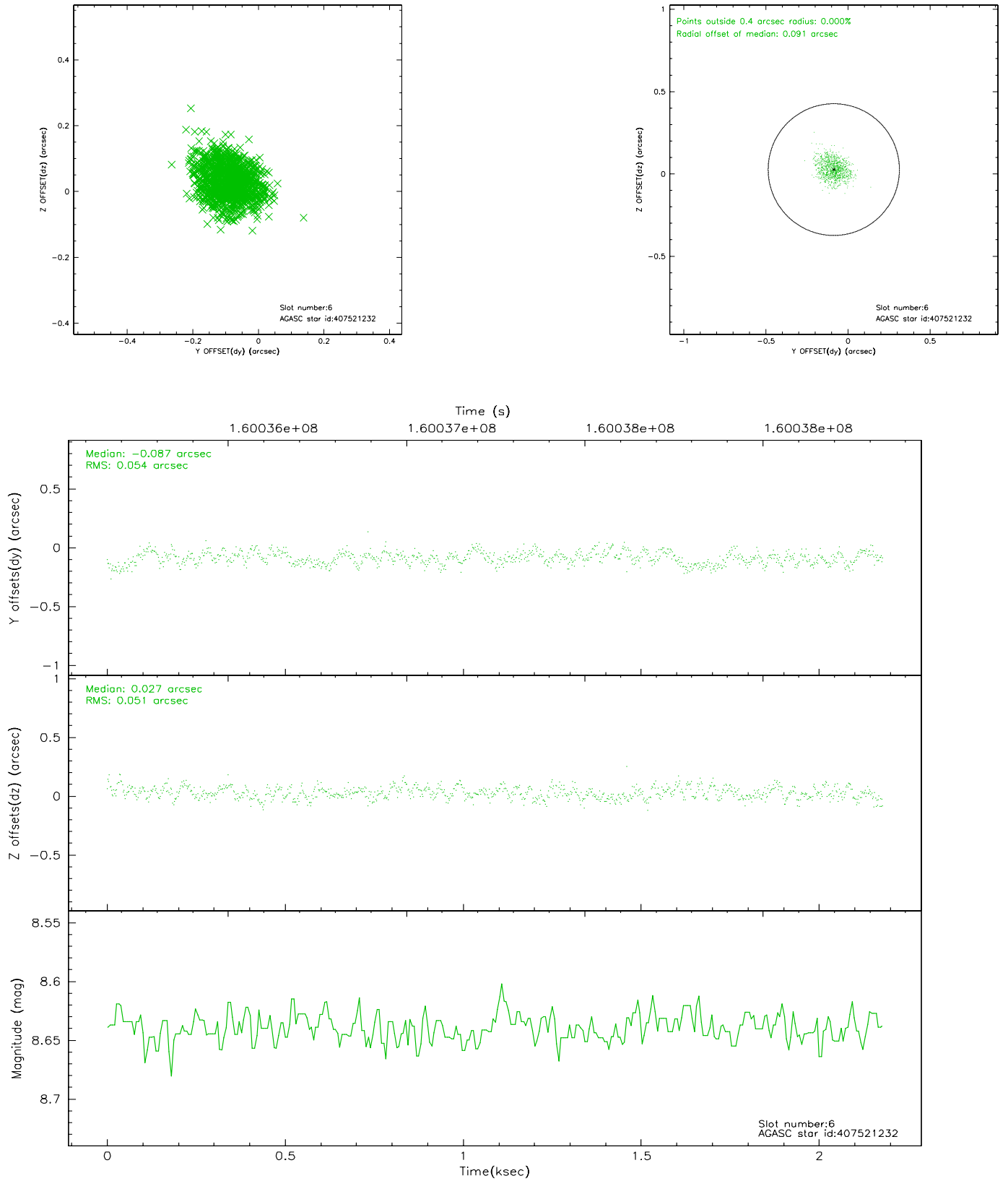
2.4.2 Slot 4



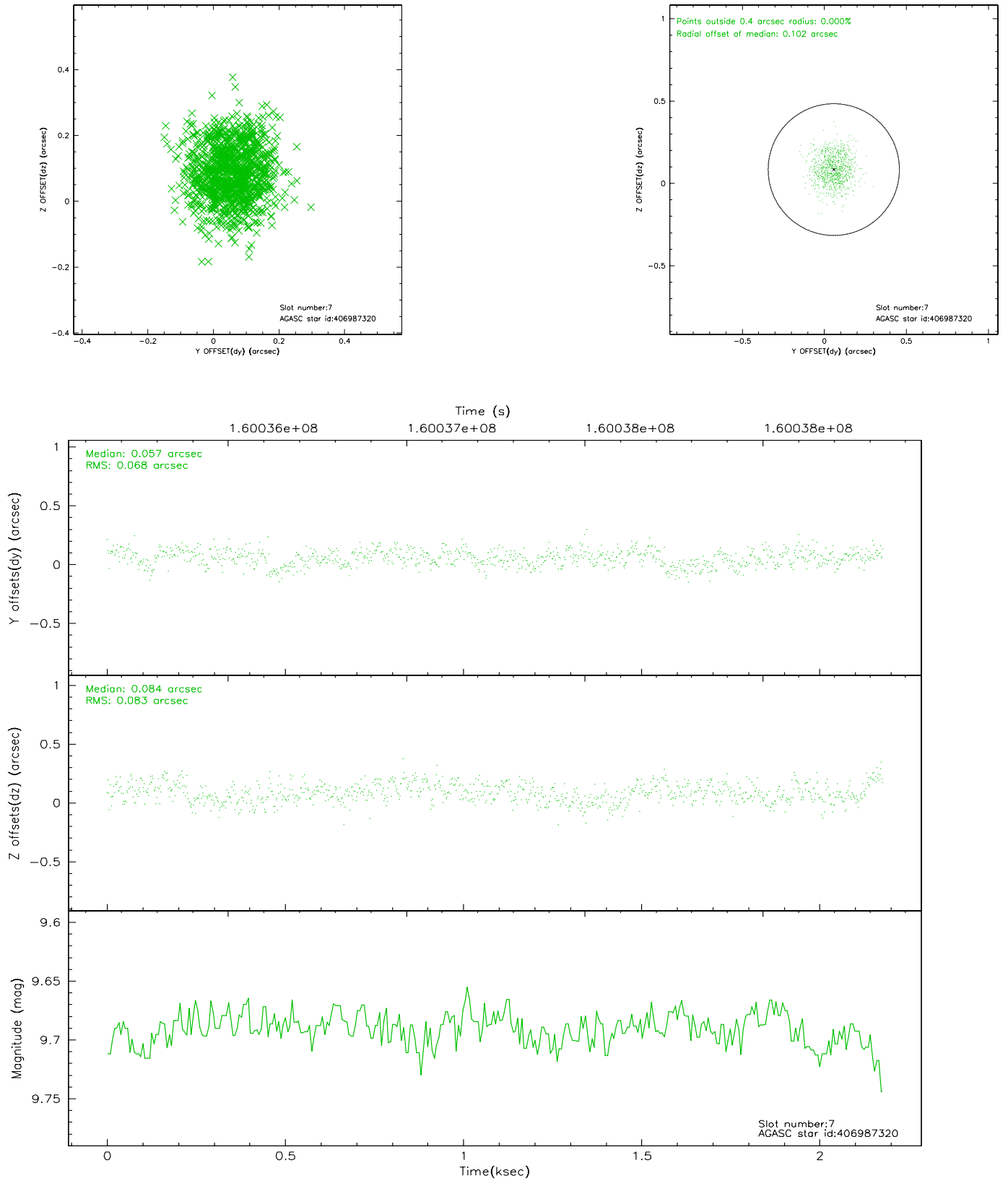
2.4.3 Slot 5



2.4.4 Slot 6

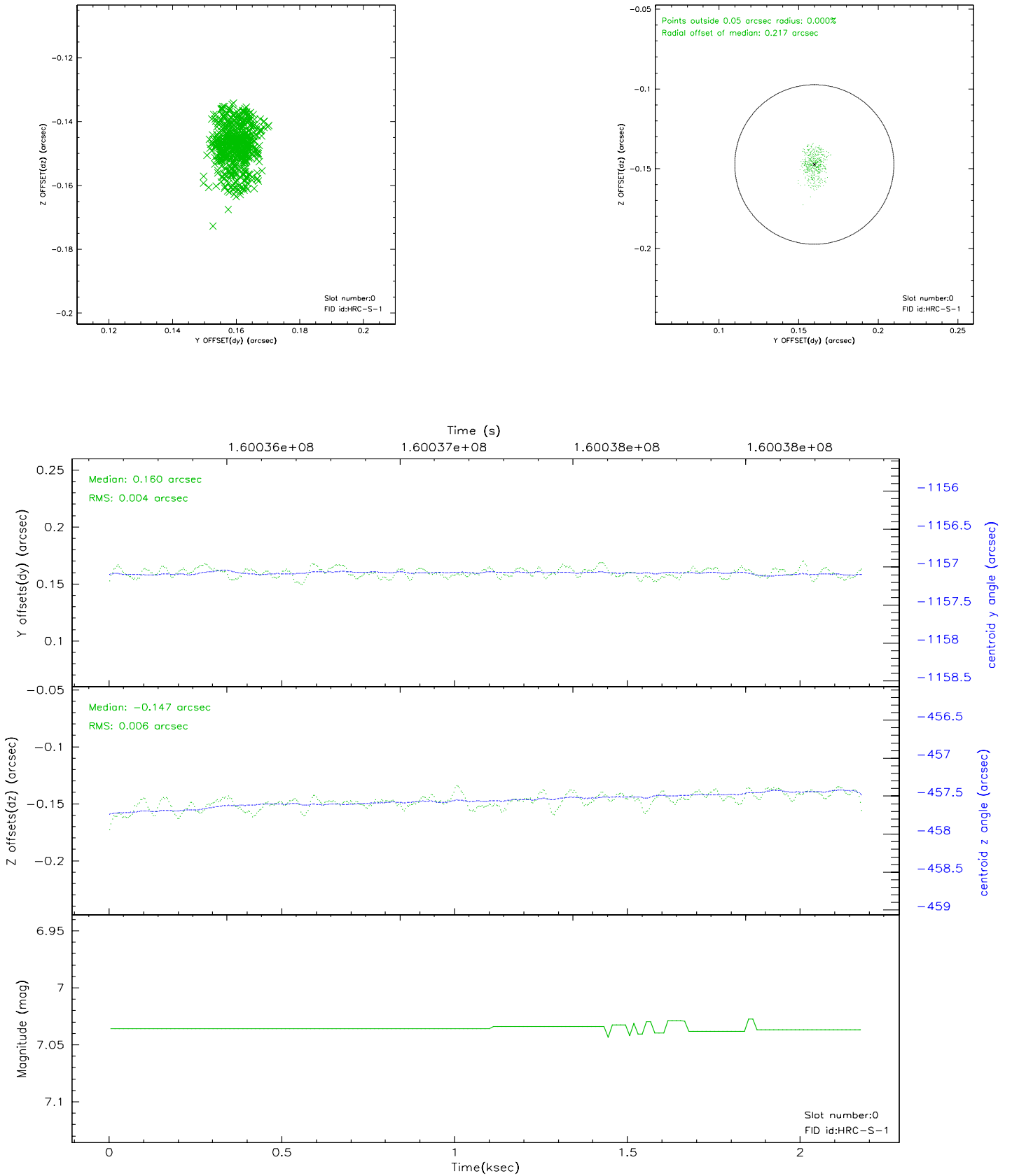


2.4.5 Slot 7

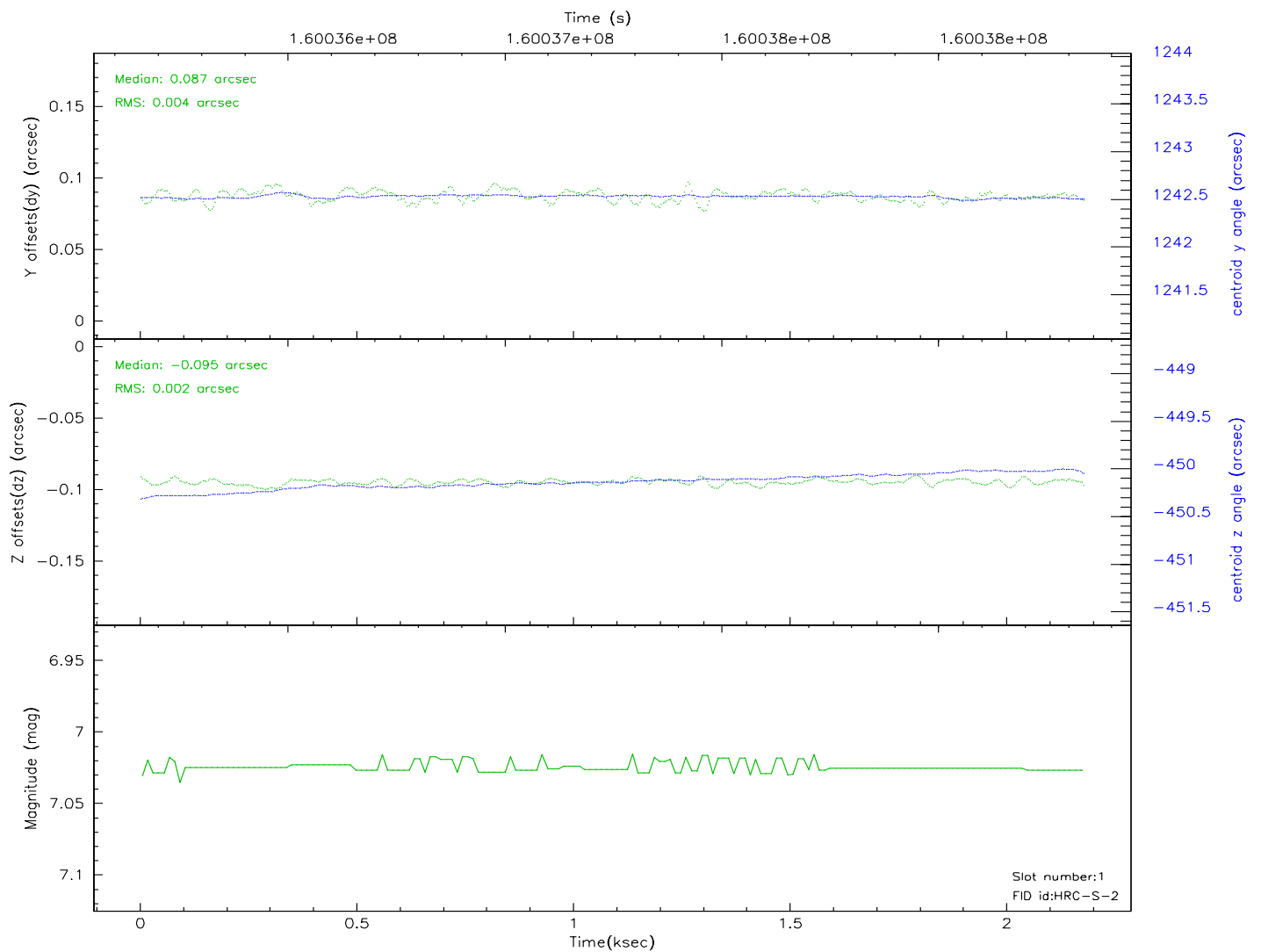
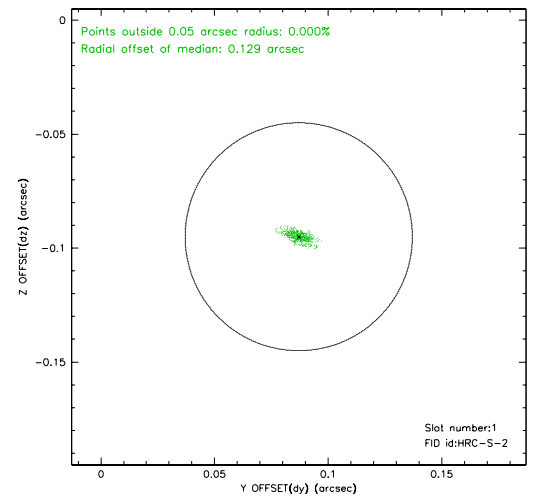
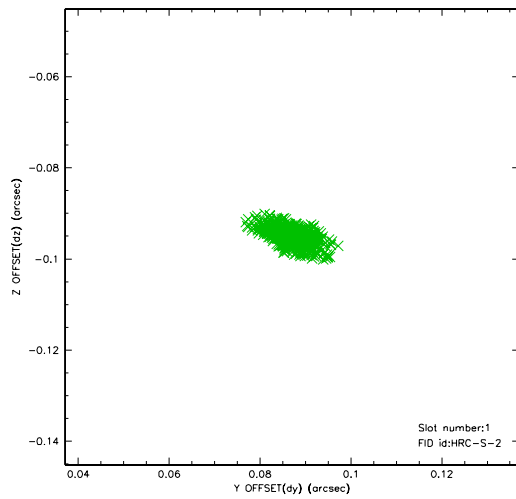


2.5 FID Slots

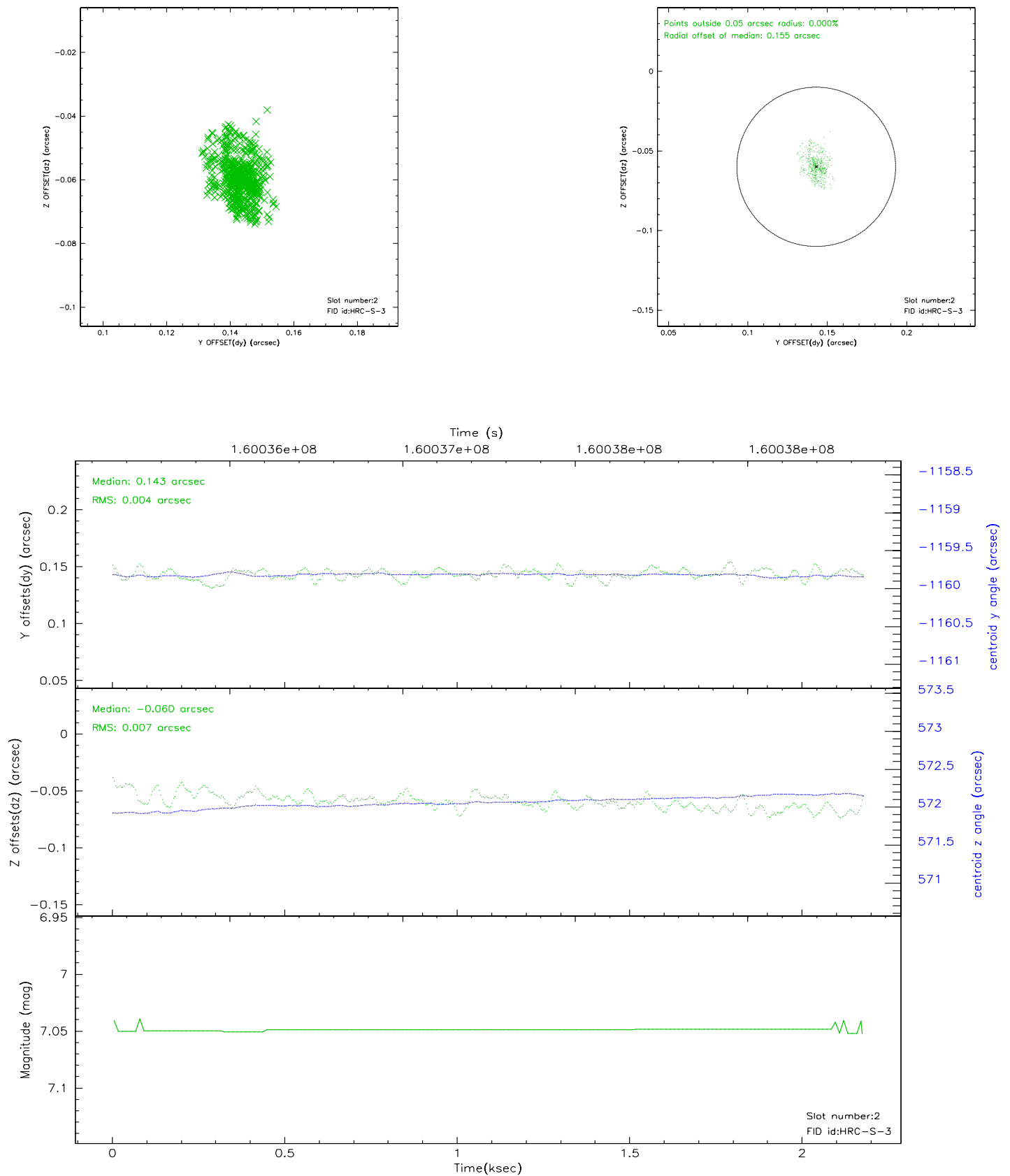
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.142

A.2 Comments

Window constraint met.

The chip and source are far off-axis, causing the source to be extended and asymmetric. Additionally, internal reflections from the telescope fall onto the chip.