

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5051 - L2 Version 001
Chandra X-Ray Center

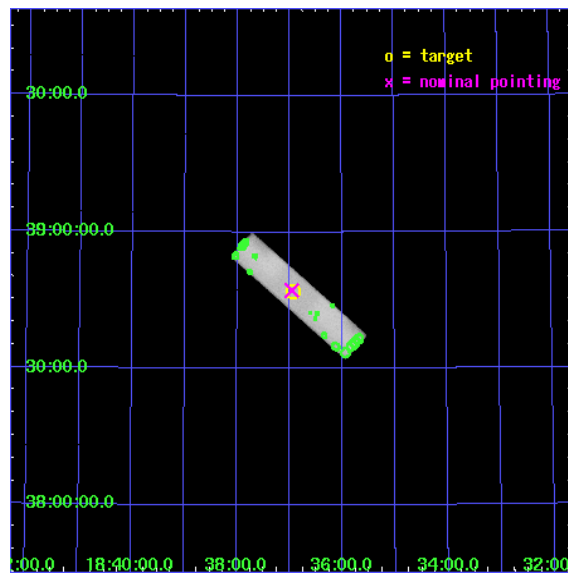
L2 Processing Date : Jun 4 2006

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1 Front

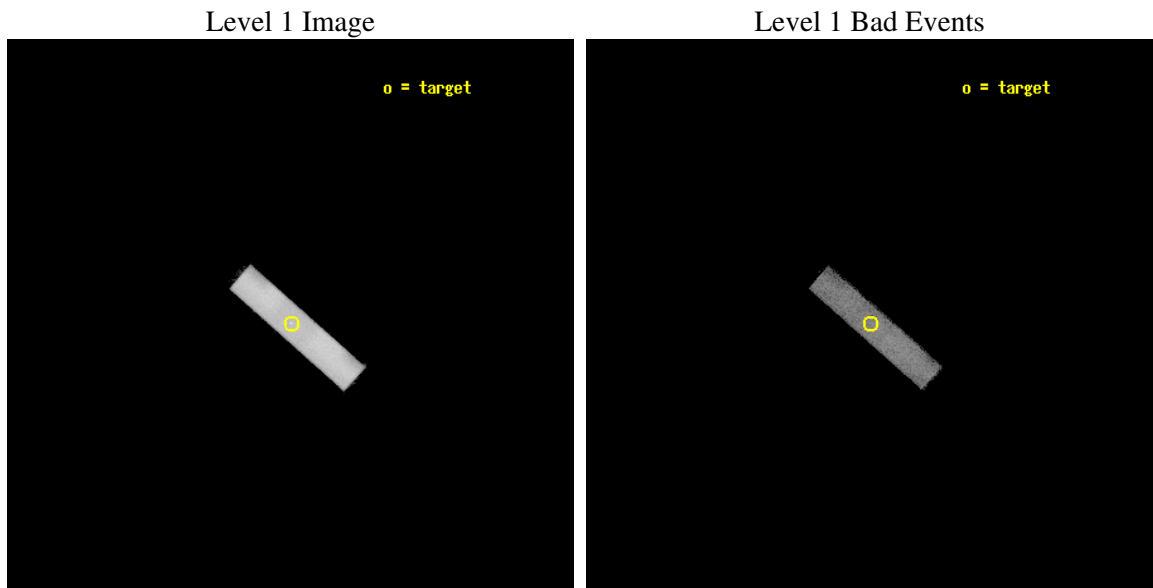
seq_num	290324
obs_id	5051
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Vega
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.23937026076
dec_nom	38.786994048816
roll_nom	41.332818069578
revision	2
ontime	1842.1813305616
livetime	1841.9825688482
l2events	219752



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T10:31:53
revision	2

sched_exp_time	2000.000000
ontime	2183.5063454807
l1events	268295

2.1.3 Events

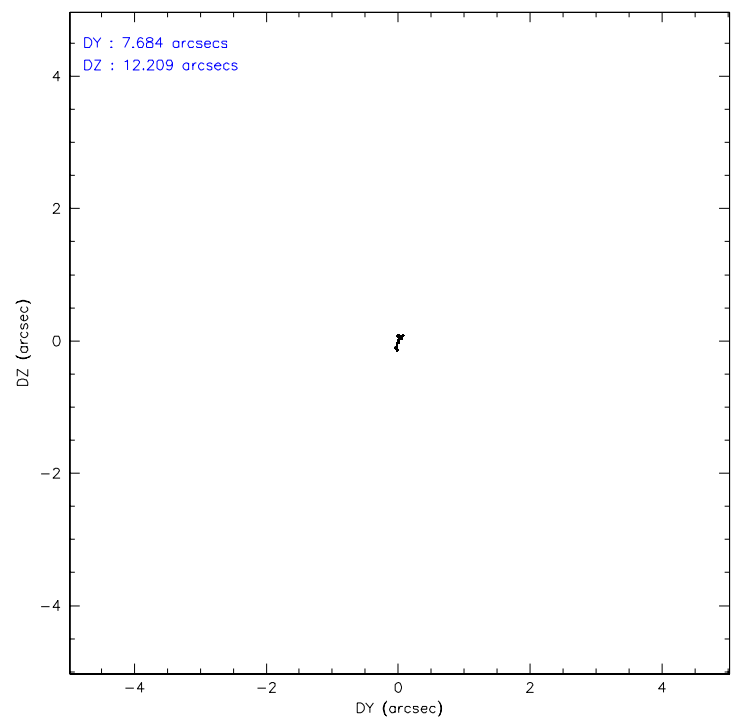
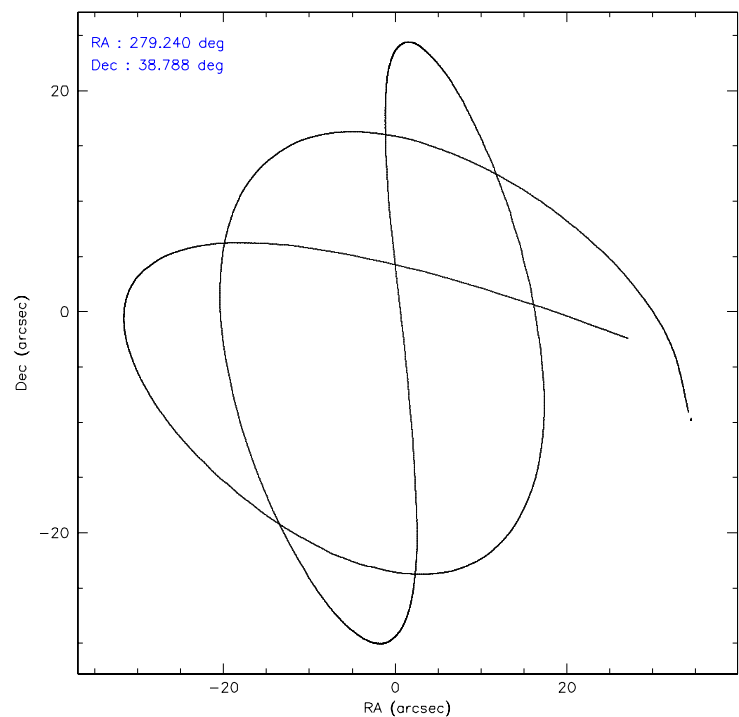
Level 1 Events

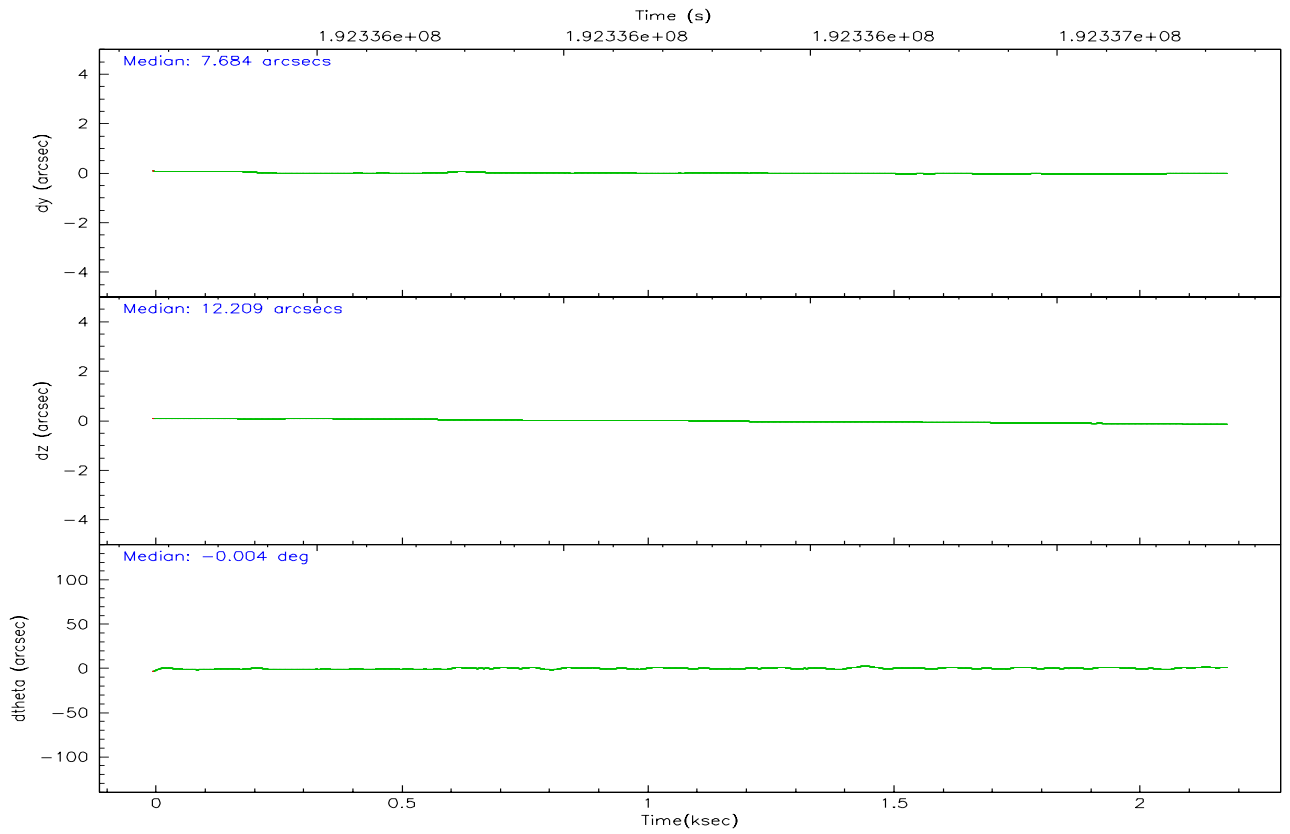
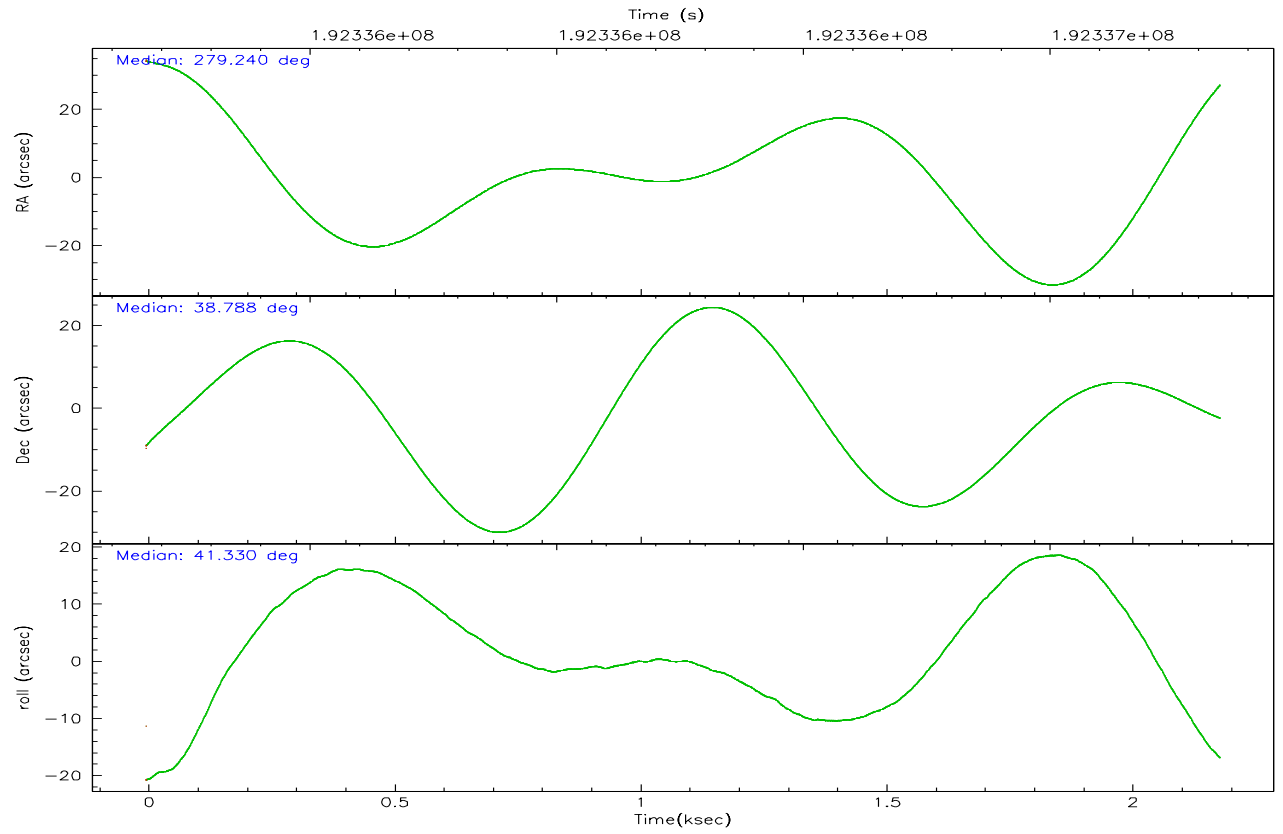
	segment 1	segment 2	segment 3
level 1 events	0	268295	0
rejected events	0	42806	0
rejected %	0%	15%	0%

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	279.229618	279.2393702607593			
Pointing Dec	38.759252	38.78699404881586			
Pointing Roll	41.271619	41.33281806957777			
Window start time	191980864.184000	191980864.184000			
Window stop time	197078464.184000	197078464.184000			
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	192335346.184000	192334971.98019			
Observation start date	2004-02-05T02:28:02	2004-02-05T02:22:51			
Observation end time	192337346.184000	192337480.1553			
Observation end date	2004-02-05T03:01:22	2004-02-05T03:04:40			

2.3 Aspect



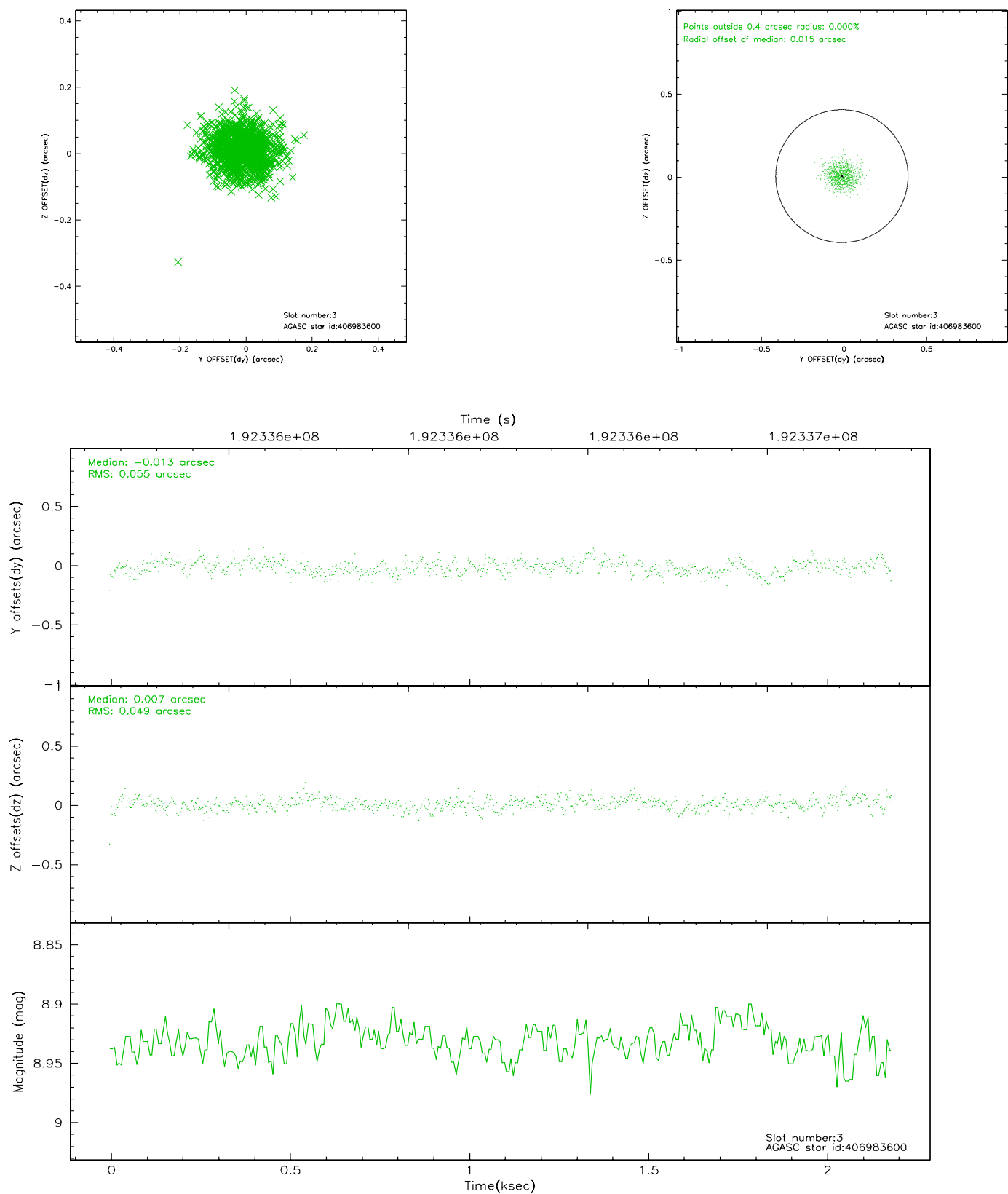


Slot Statistics

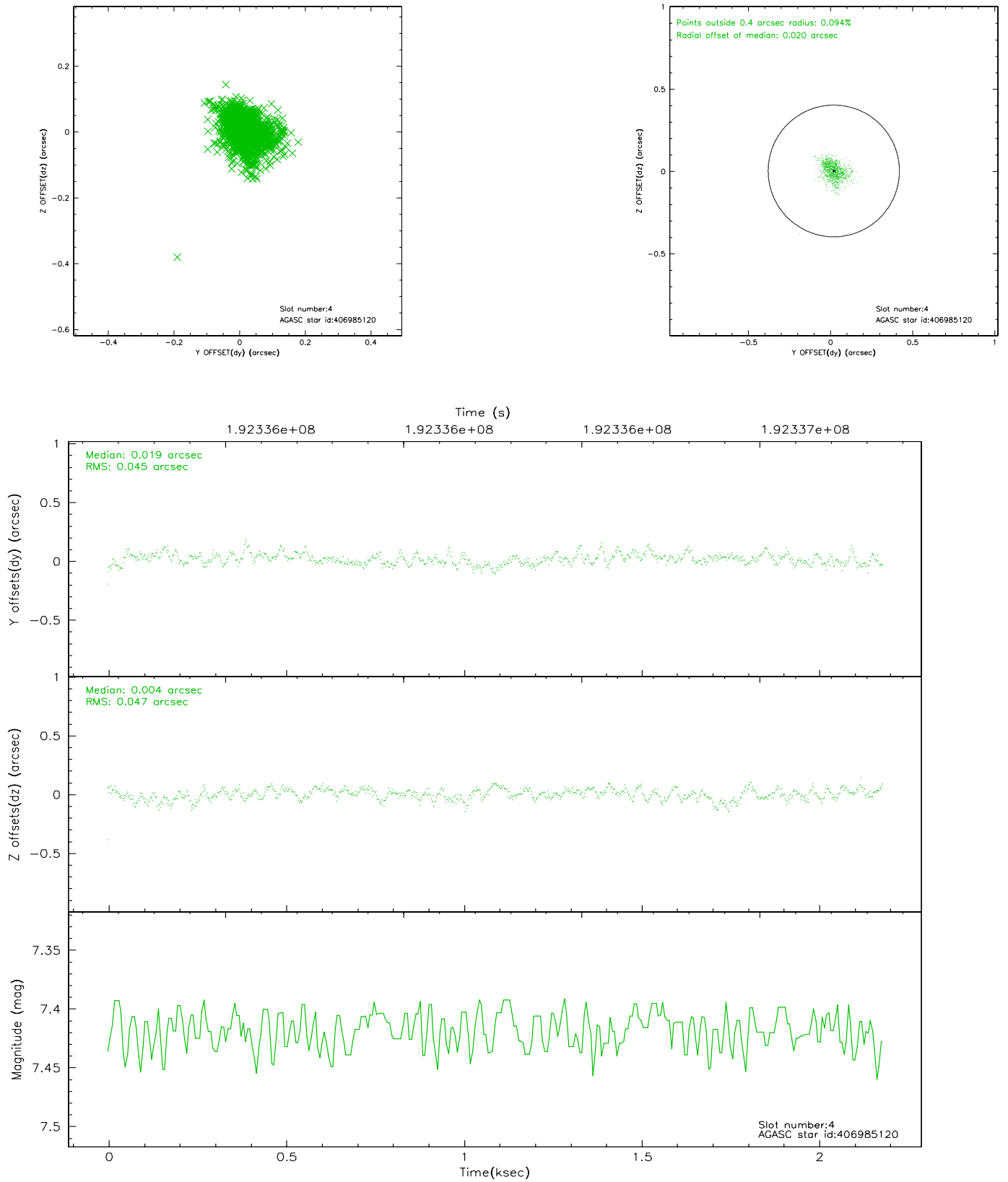
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	533	0.126	-0.112	0.008	0.014	0.000000	0.000000	-1161.84	-460.92
1	FID	HRC-S-2	7.02	533	0.145	-0.105	0.006	0.011	0.000000	0.000000	1235.68	-454.38
2	FID	HRC-S-3	7.04	533	0.120	-0.085	0.008	0.014	0.000000	0.000000	-1162.26	567.79
3	GUIDE	406983600	8.93	1066	-0.013	0.007	0.078	0.128	279.940957	39.020708	2121.47	-600.38
4	GUIDE	406985120	7.42	1066	0.019	0.004	0.067	0.113	278.839732	38.894839	-495.48	1087.77
5	GUIDE	406989616	8.23	1063	0.041	0.019	0.066	0.108	279.202881	38.520843	-623.08	-595.16
6	GUIDE	406990192	8.99	1066	-0.007	-0.069	0.080	0.126	278.510952	38.533654	-2052.09	728.98
7	GUIDE	406993992	7.62	1065	-0.043	0.040	0.060	0.097	279.053714	38.034587	-2097.15	-1631.83

2.4 Star Slots

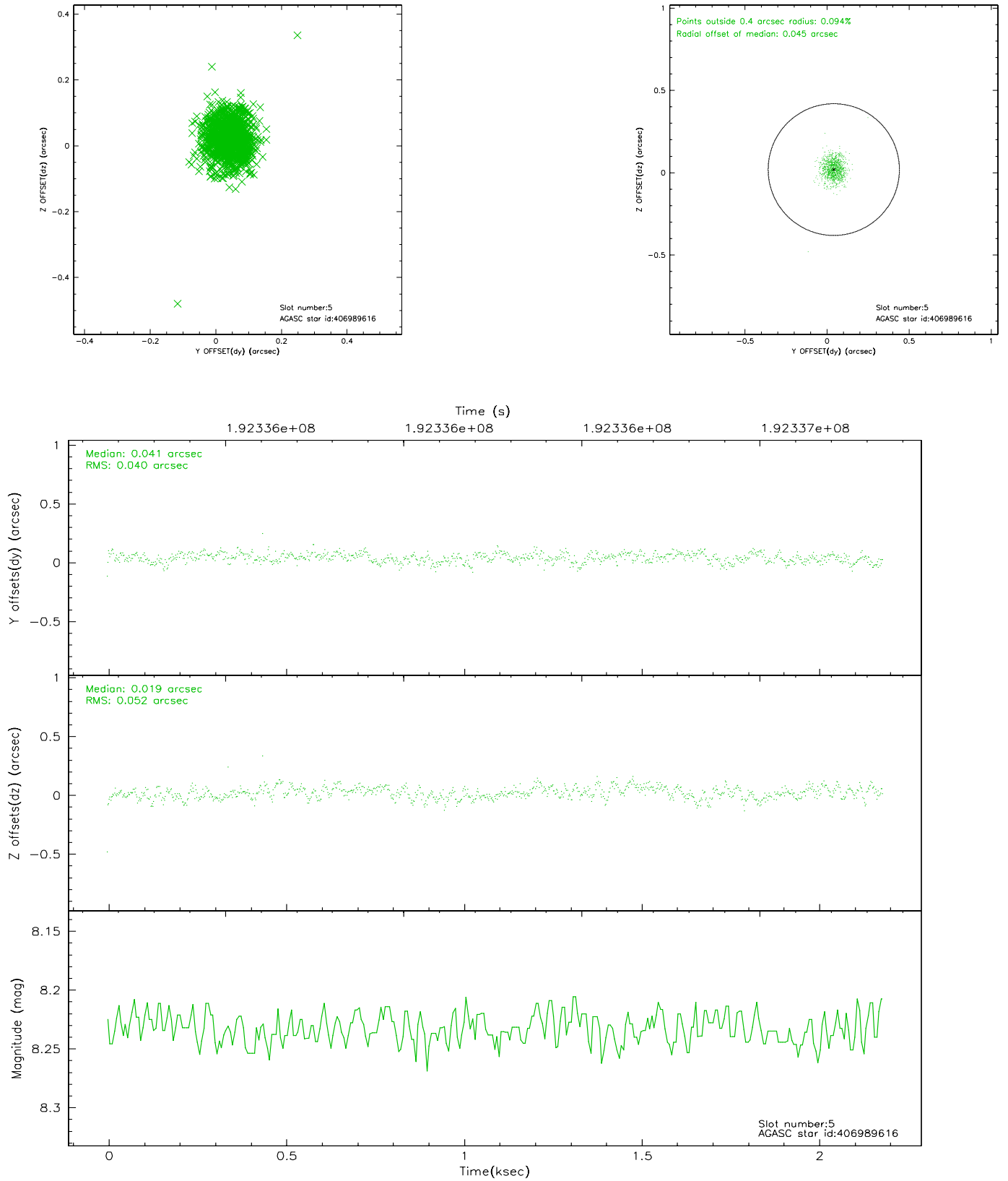
2.4.1 Slot 3



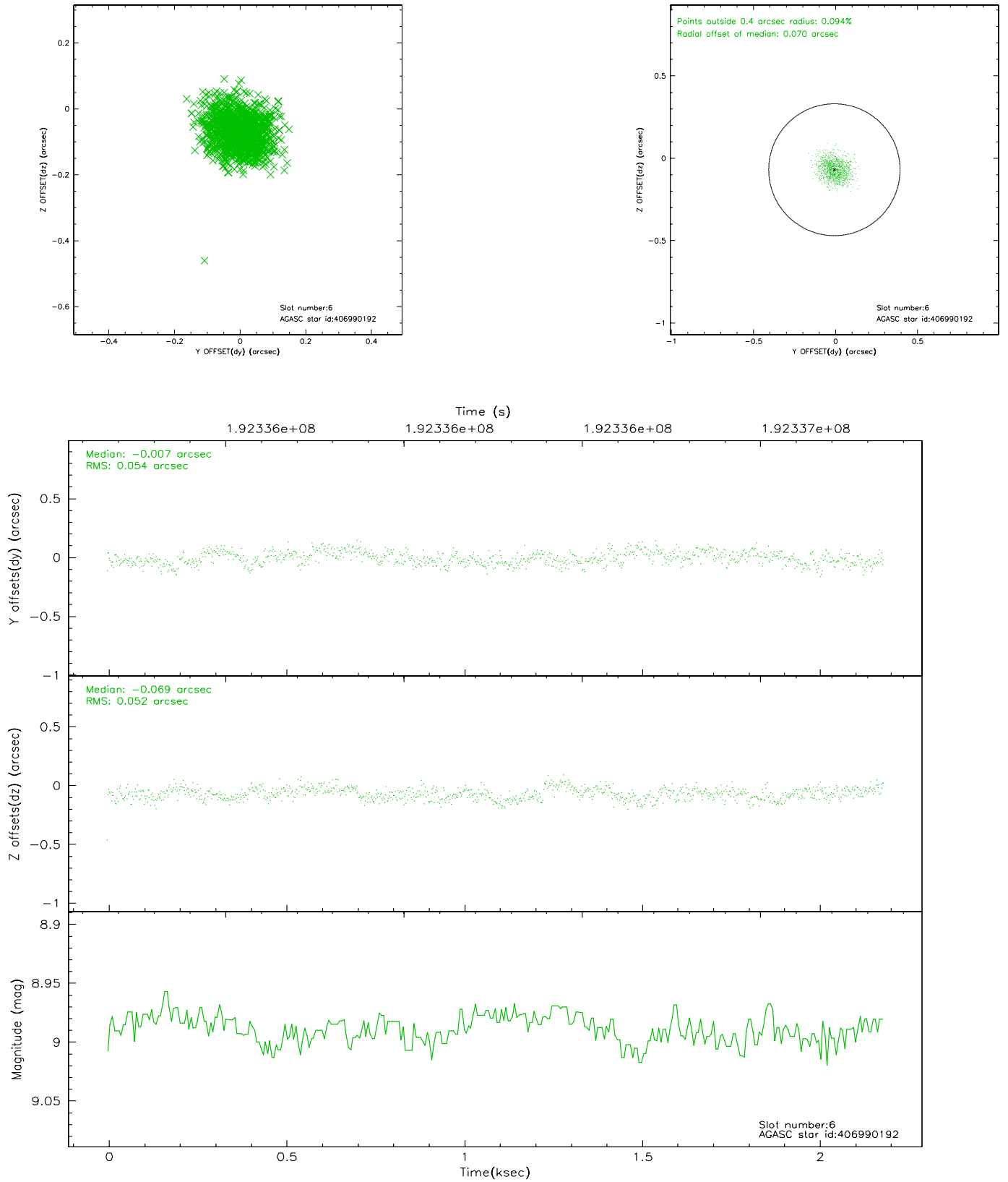
2.4.2 Slot 4



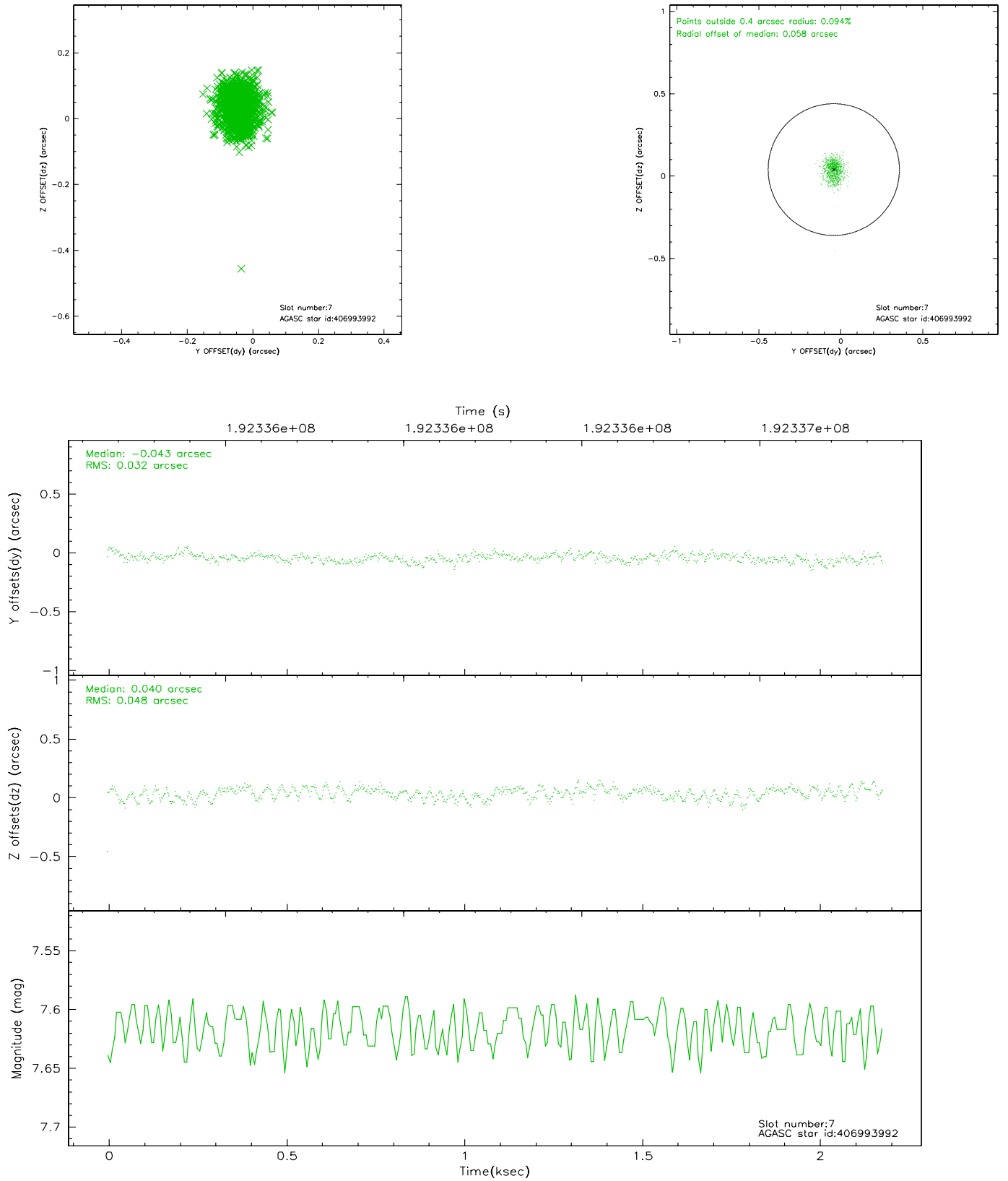
2.4.3 Slot 5



2.4.4 Slot 6

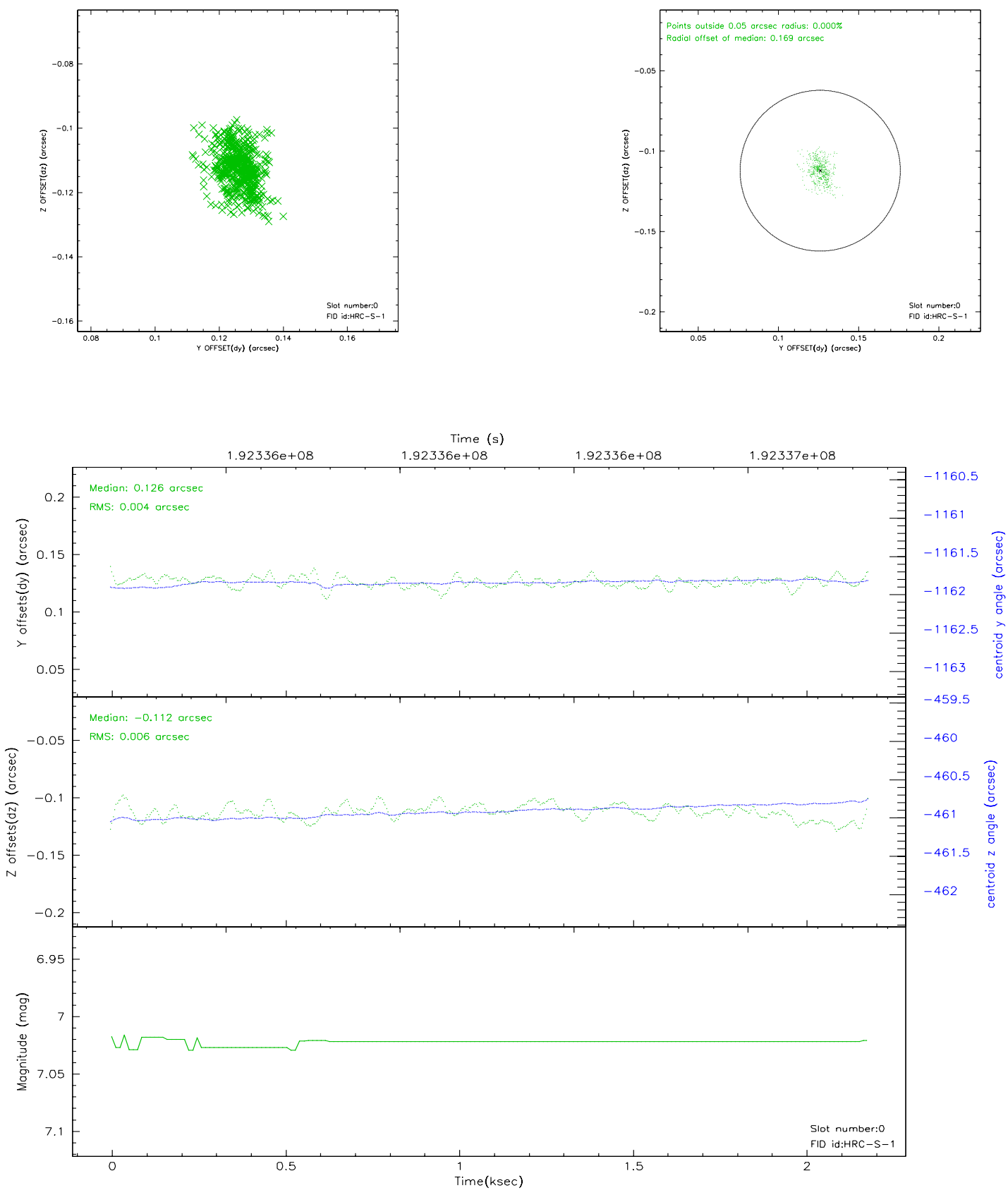


2.4.5 Slot 7

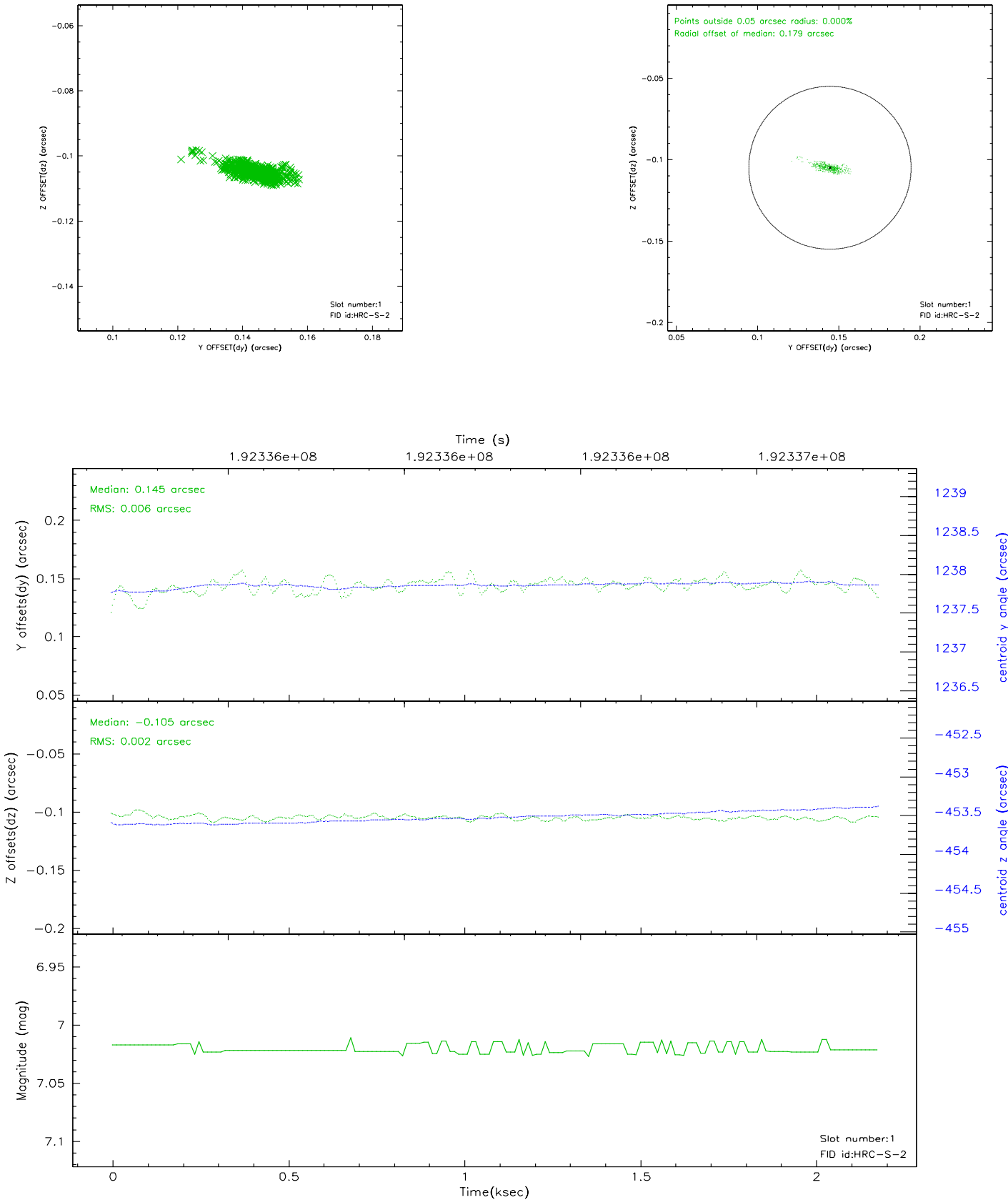


2.5 FID Slots

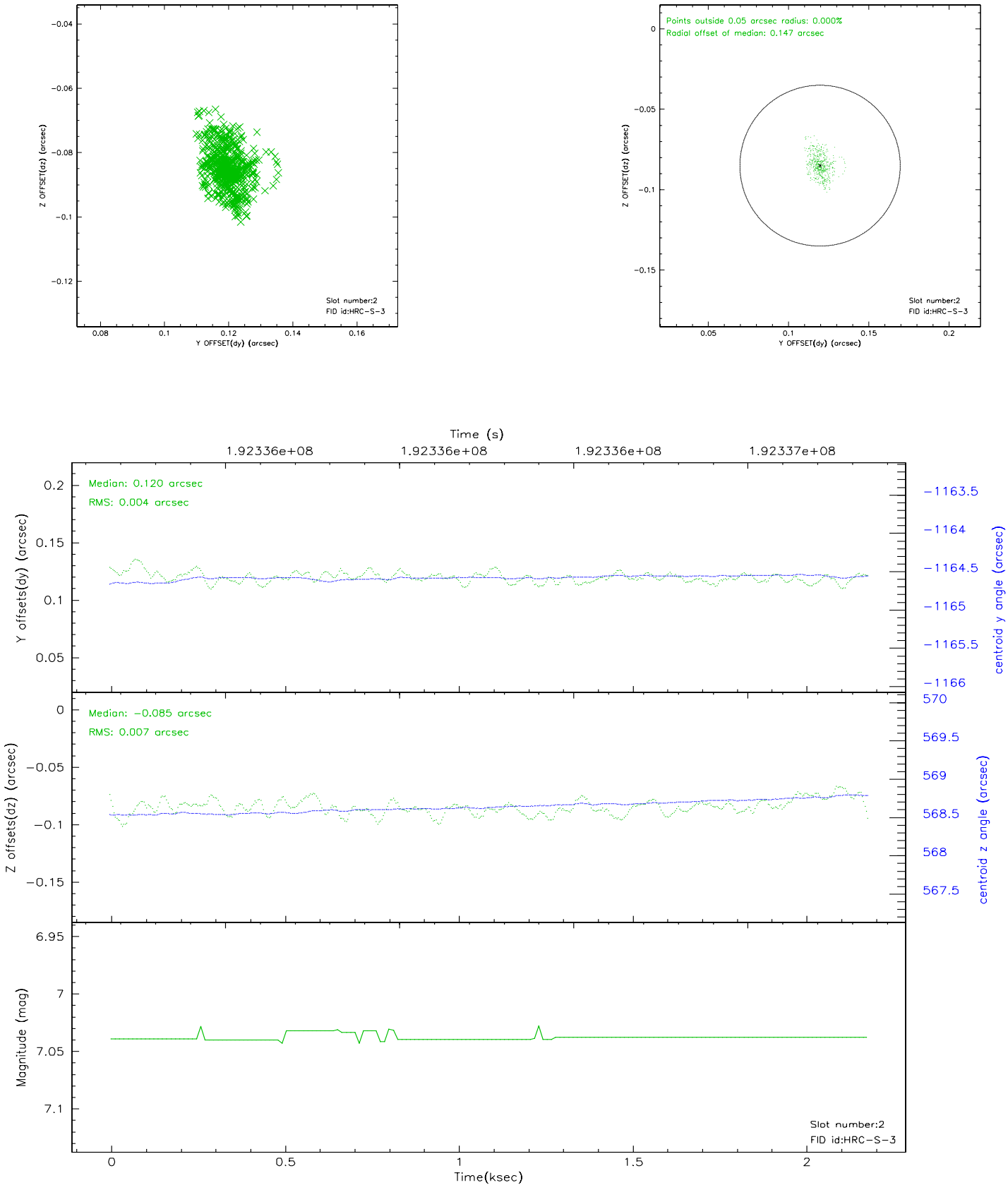
2.5.1 Slot 0



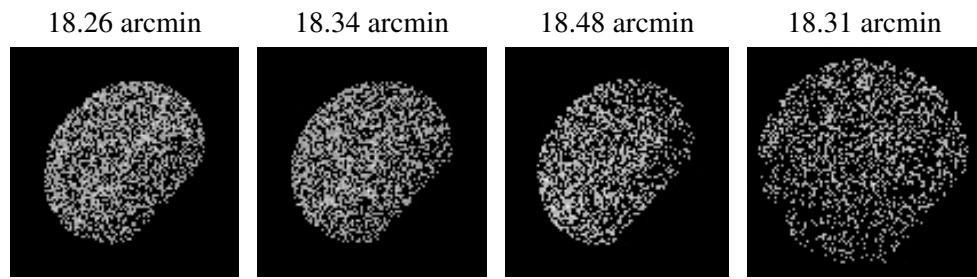
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.842

A.2 Comments

Window constraint satisfied.

The keywords DTCOR, EXPOSURE, and LIVETIME in the Level 2 event file and the keyword DTCOR in the Level 1 event file have been incorrectly determined due to a software bug. The correct value of DTCOR can be found in the file DTFSTATS file that can be obtained by downloading the secondary data products. In most cases, the difference between the correct DTCOR value and the incorrect DTCOR value in the Level 2 event file is very small and does not affect the data analysis. However, there are cases of significant differences and the user is advised to use the DTCOR in the DTFSTATS file for analysis. Corrected data products will be made available in the archive as soon as feasible.