

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5113 - L2 Version 002
Chandra X-Ray Center

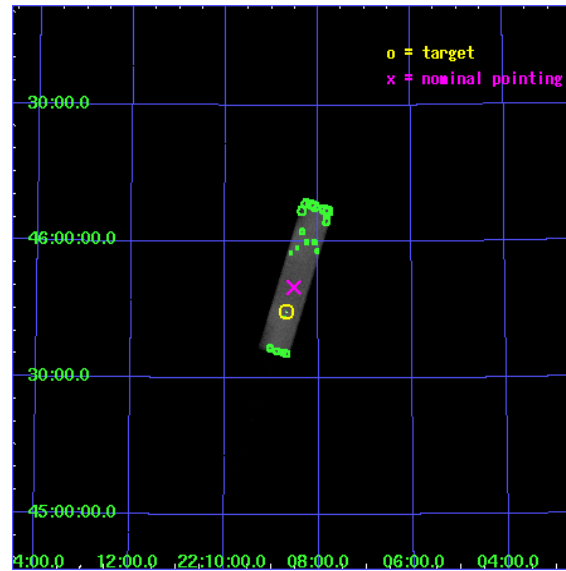
L2 Processing Date : Apr 10 2006

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1 Front

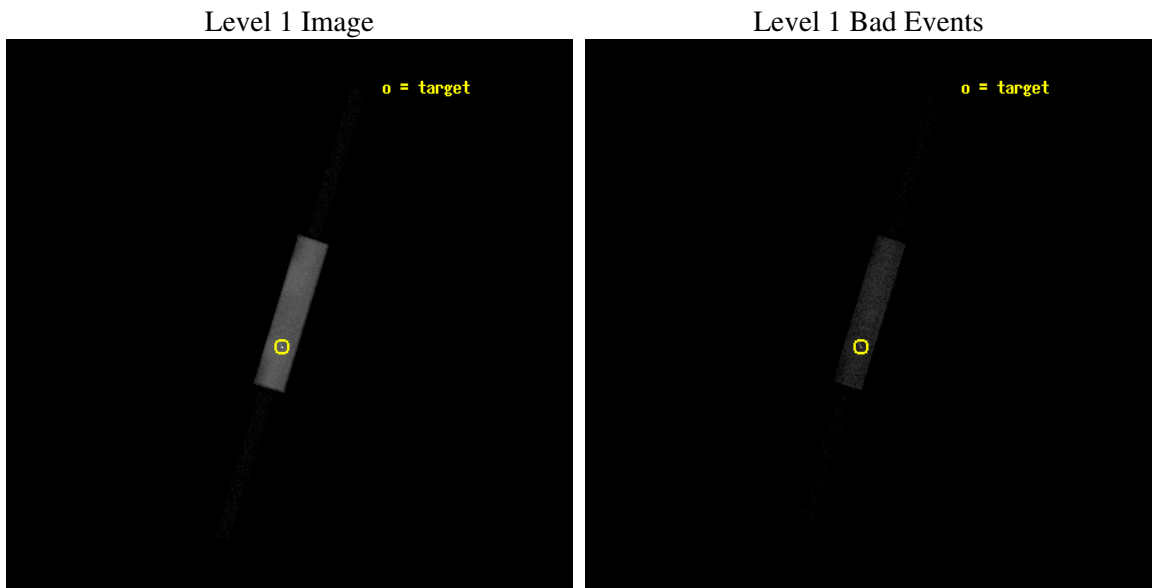
seq_num	290386
obs_id	5113
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.13085948025
dec_nom	45.833631441179
roll_nom	287.00987731443
revision	2
ontime	1050.6250472069
livetime	1025.4923981139
l2events	135835



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-10T19:41:24
revision	2

sched_exp_time	900.000000
ontime	1079.3250485063
l1events	199417

2.1.3 Events

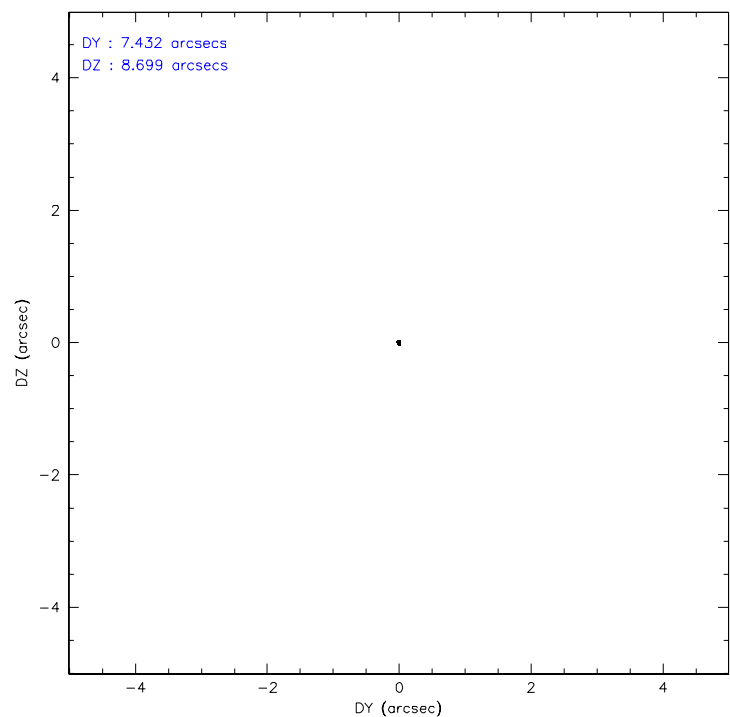
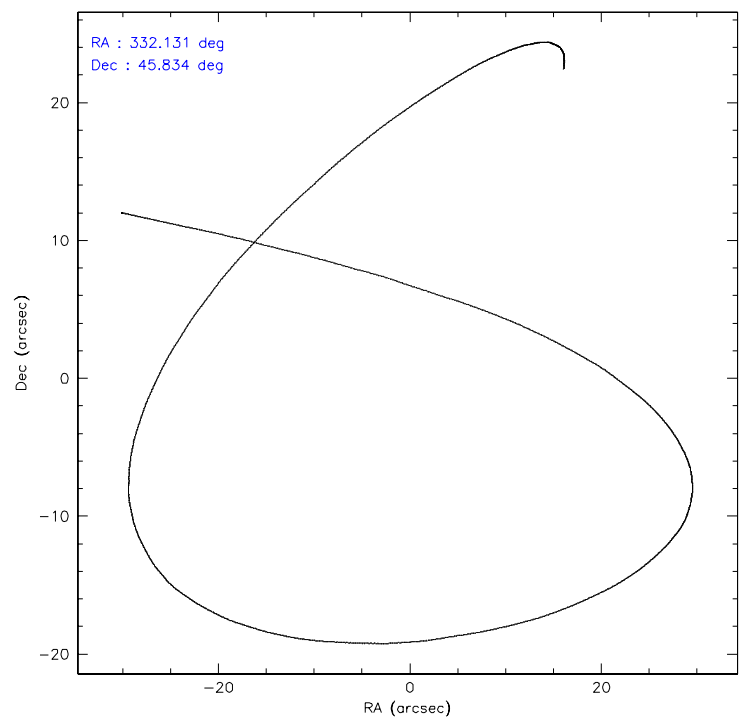
Level 1 Events

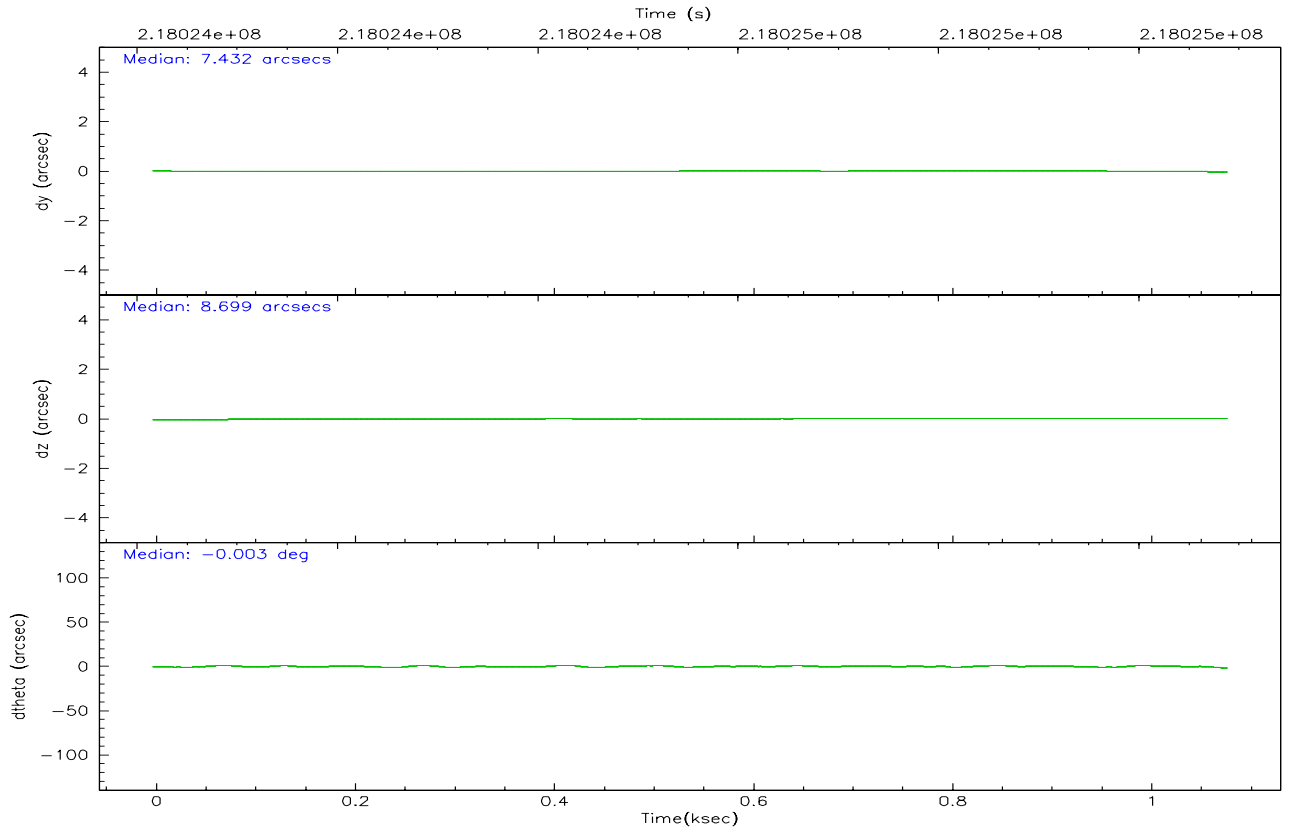
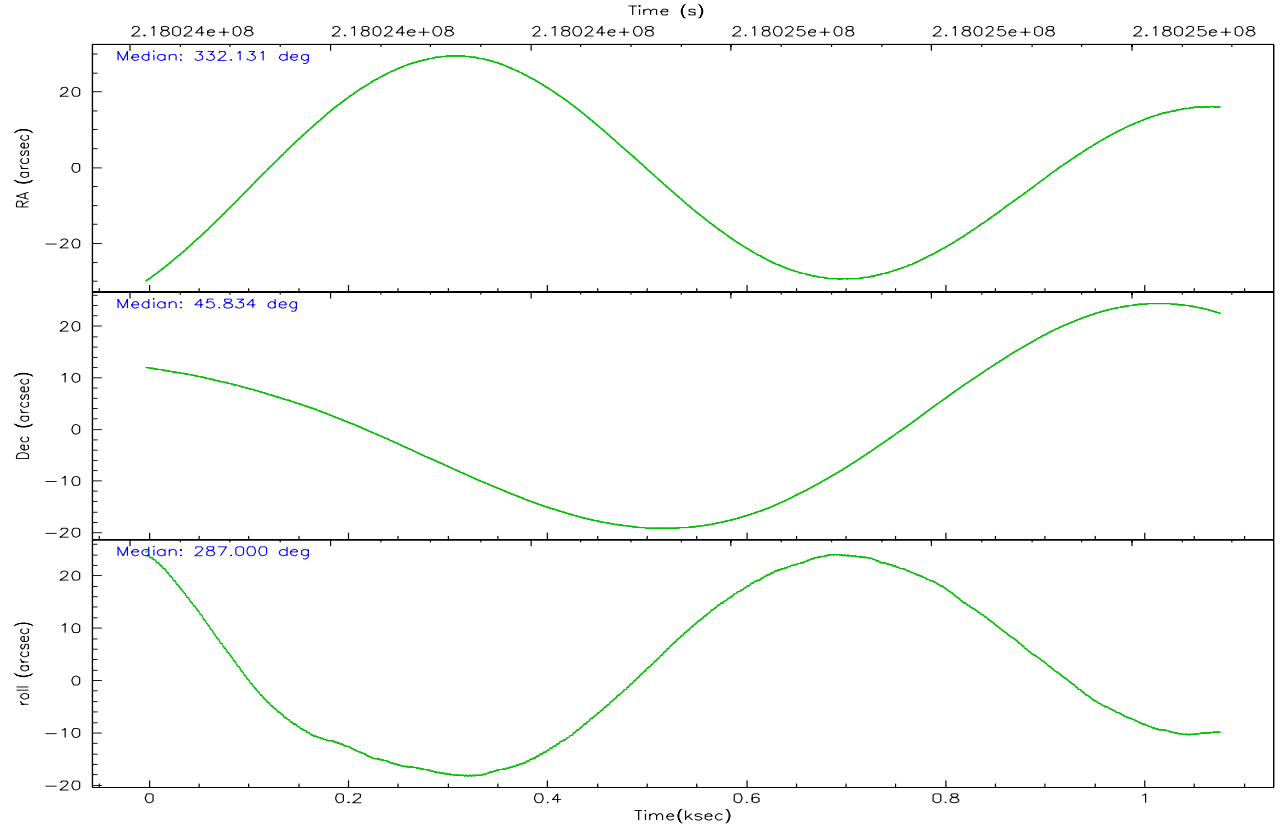
	segment 1	segment 2	segment 3
level 1 events	1647	196275	1495
rejected events	1647	56399	1437
rejected %	100%	28%	96%

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	332.098631	332.1308594802494			
Pointing Dec	45.851891	45.83363144117865			
Pointing Roll	286.965668	287.0098773144315			
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	218024193.184000	218023816.78143			
Observation start date	2004-11-28T10:15:29	2004-11-28T10:10:16			
Observation end time	218025093.184000	218025226.66899			
Observation end date	2004-11-28T10:30:29	2004-11-28T10:33:46			

2.3 Aspect



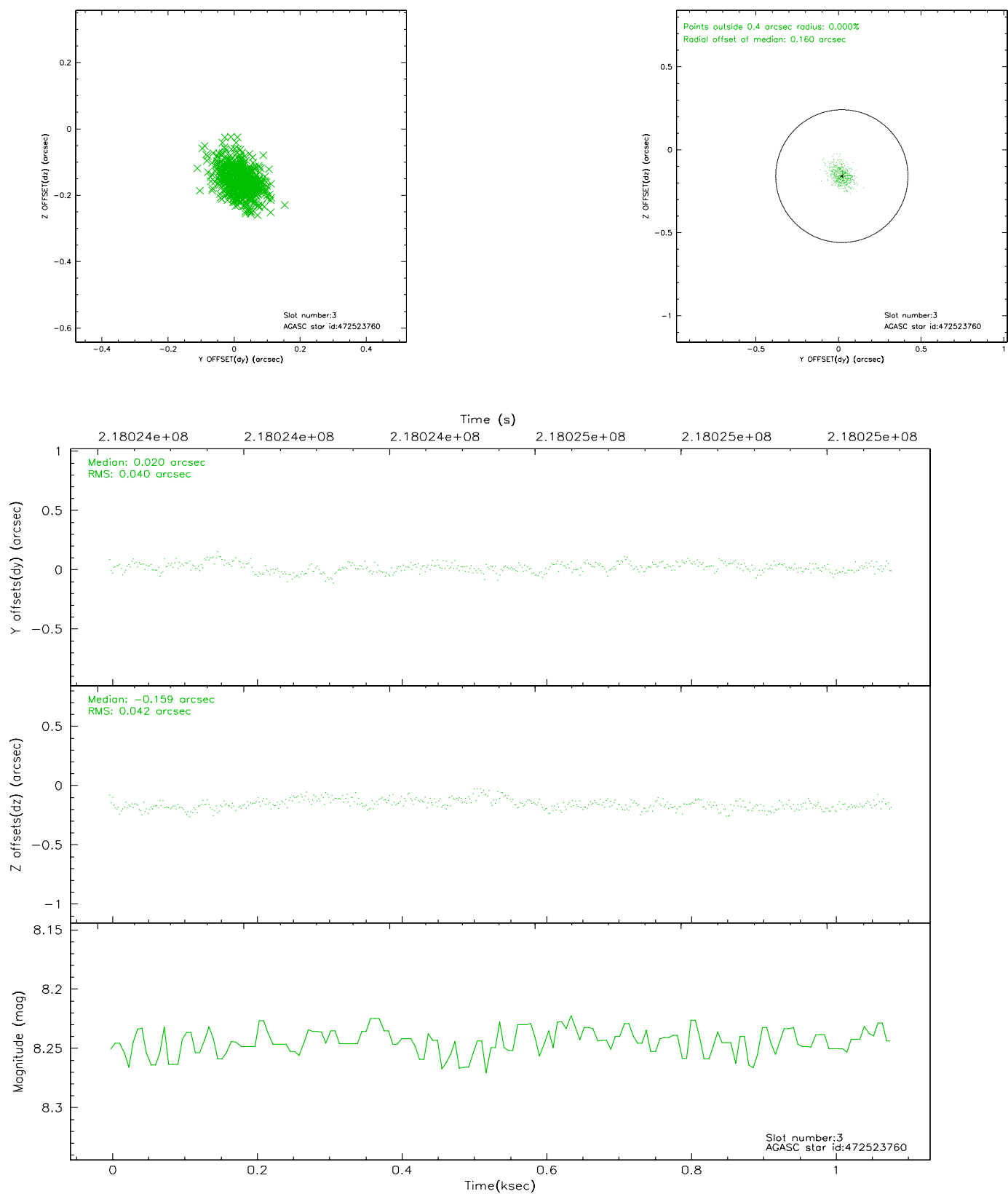


Slot Statistics

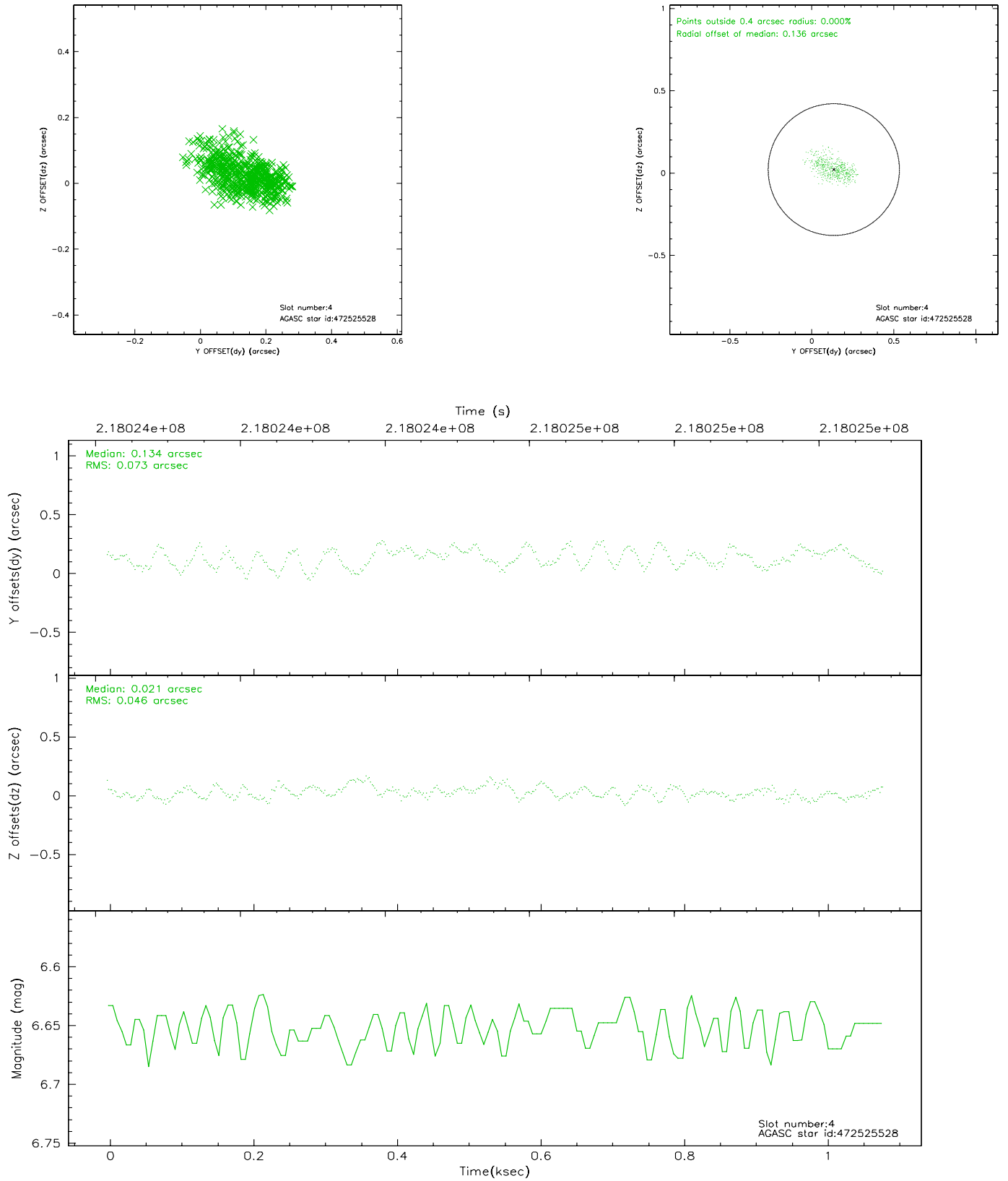
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	264	0.139	-0.148	0.007	0.013	0.000000	0.000000	-1161.59	-457.34
1	FID	HRC-S-2	7.04	264	0.160	-0.117	0.005	0.008	0.000000	0.000000	1233.72	-451.67
2	FID	HRC-S-3	7.05	264	0.091	-0.037	0.007	0.012	0.000000	0.000000	-1159.68	570.59
3	GUIDE	472523760	8.24	527	0.020	-0.159	0.059	0.102	331.645363	45.403260	1207.93	-1568.11
4	GUIDE	472525528	6.65	528	0.134	0.021	0.095	0.146	331.551102	45.248694	1670.57	-1964.26
5	GUIDE	472655152	9.43	528	-0.006	0.004	0.099	0.157	332.504239	45.862991	259.34	979.41
6	GUIDE	472659832	9.46	527	-0.025	0.020	0.116	0.197	332.780399	46.098139	-357.82	1888.49
7	GUIDE	472533912	9.16	526	-0.112	0.090	0.092	0.156	331.791136	46.368695	-2004.41	-185.81

2.4 Star Slots

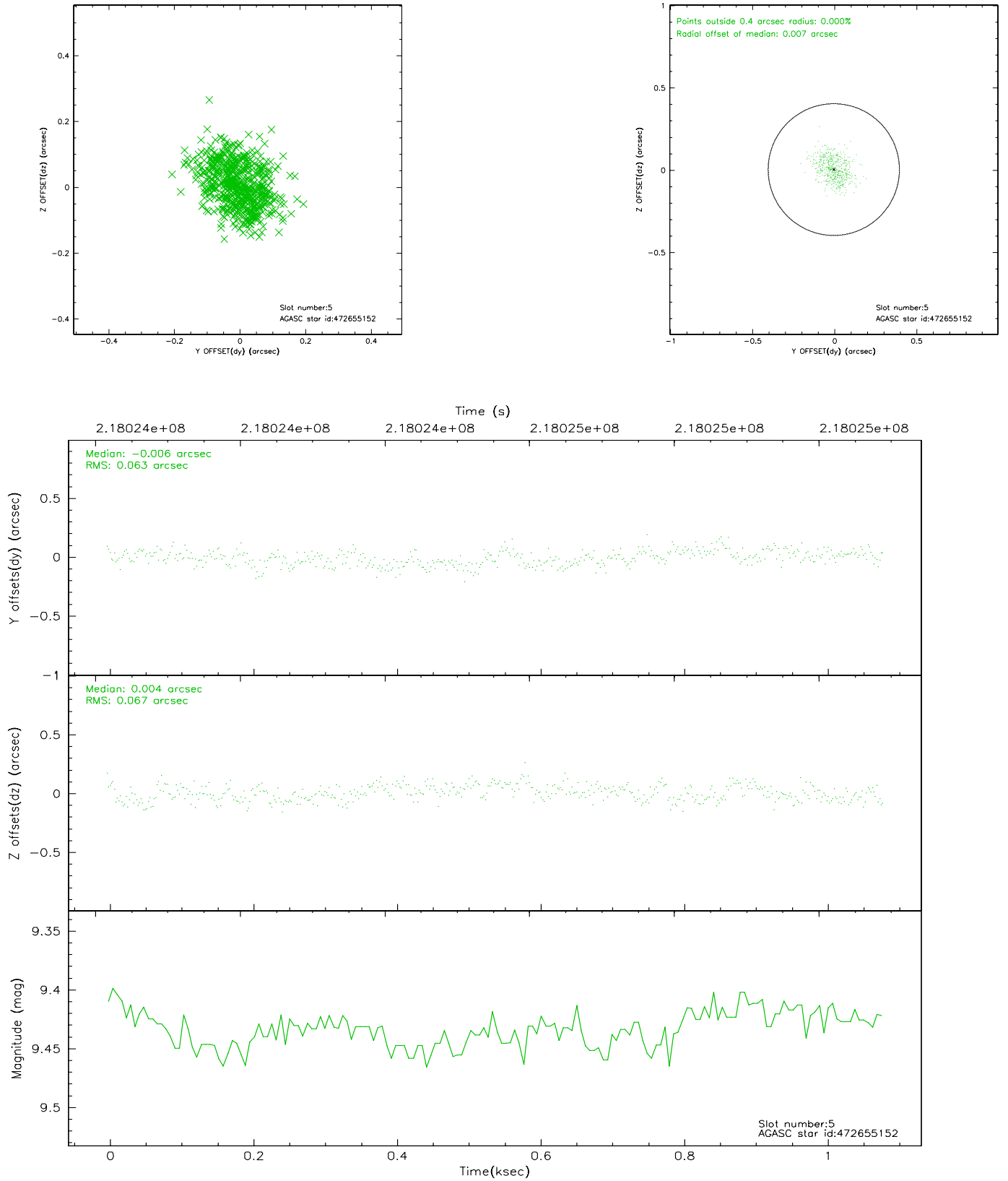
2.4.1 Slot 3



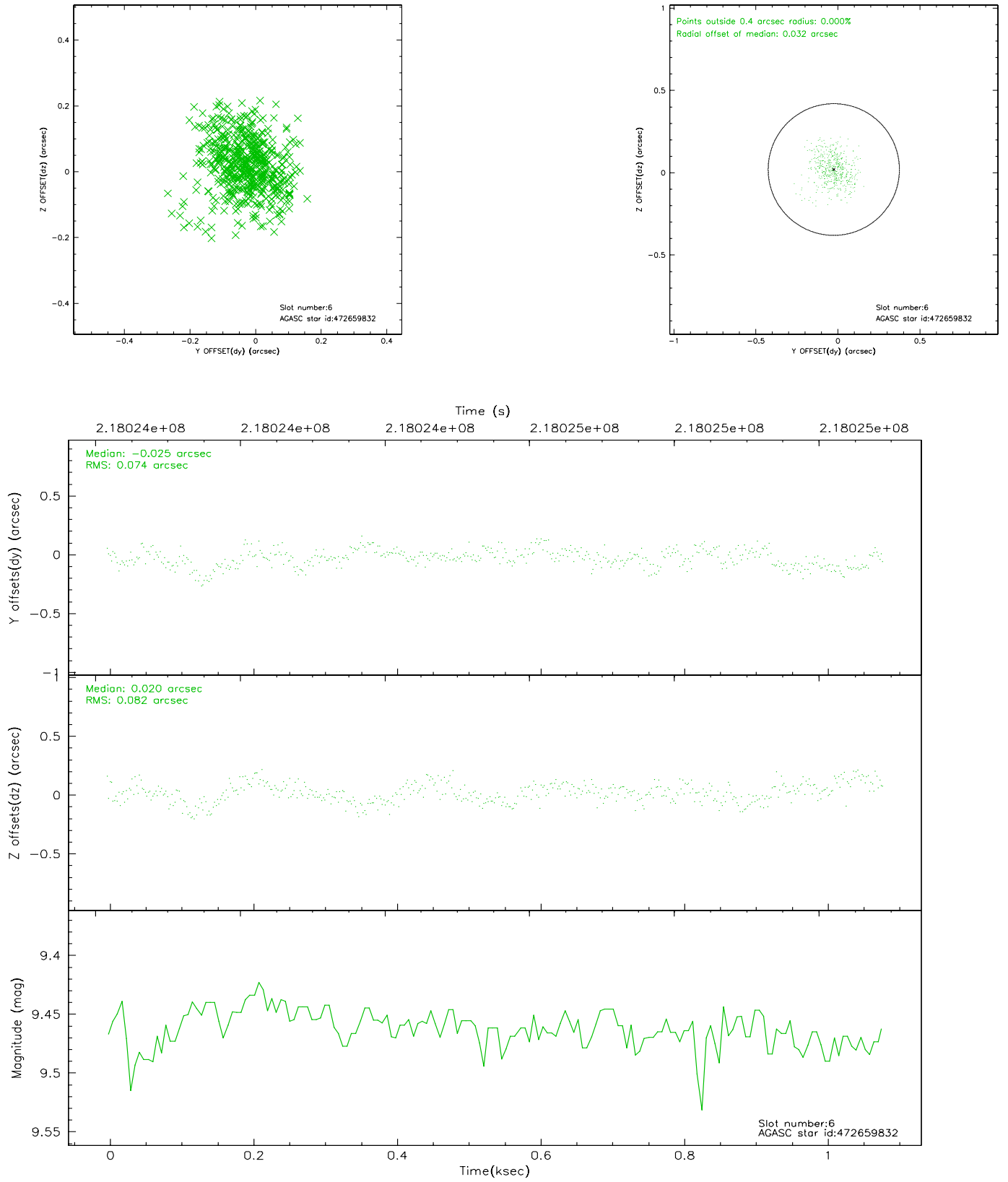
2.4.2 Slot 4



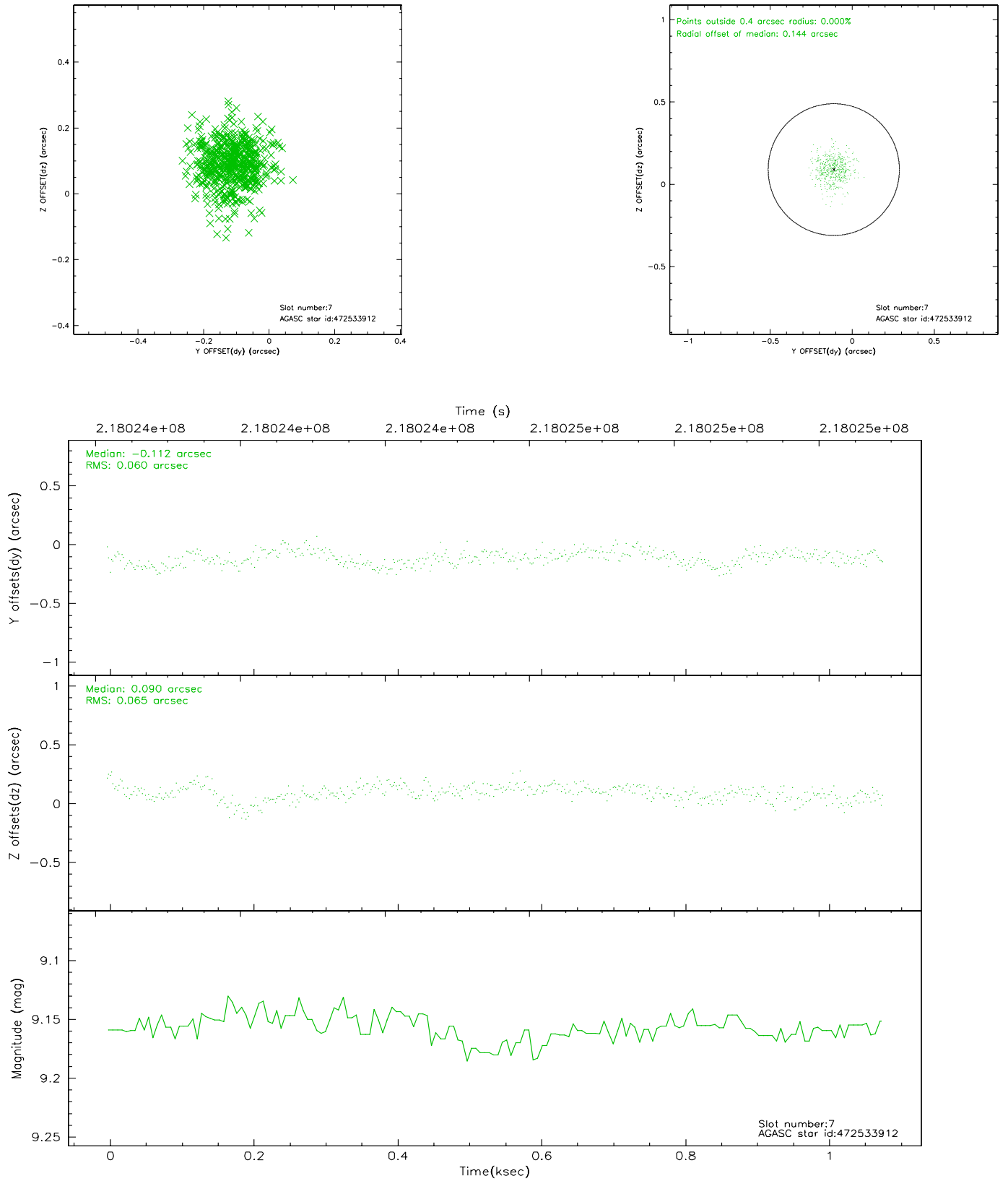
2.4.3 Slot 5



2.4.4 Slot 6

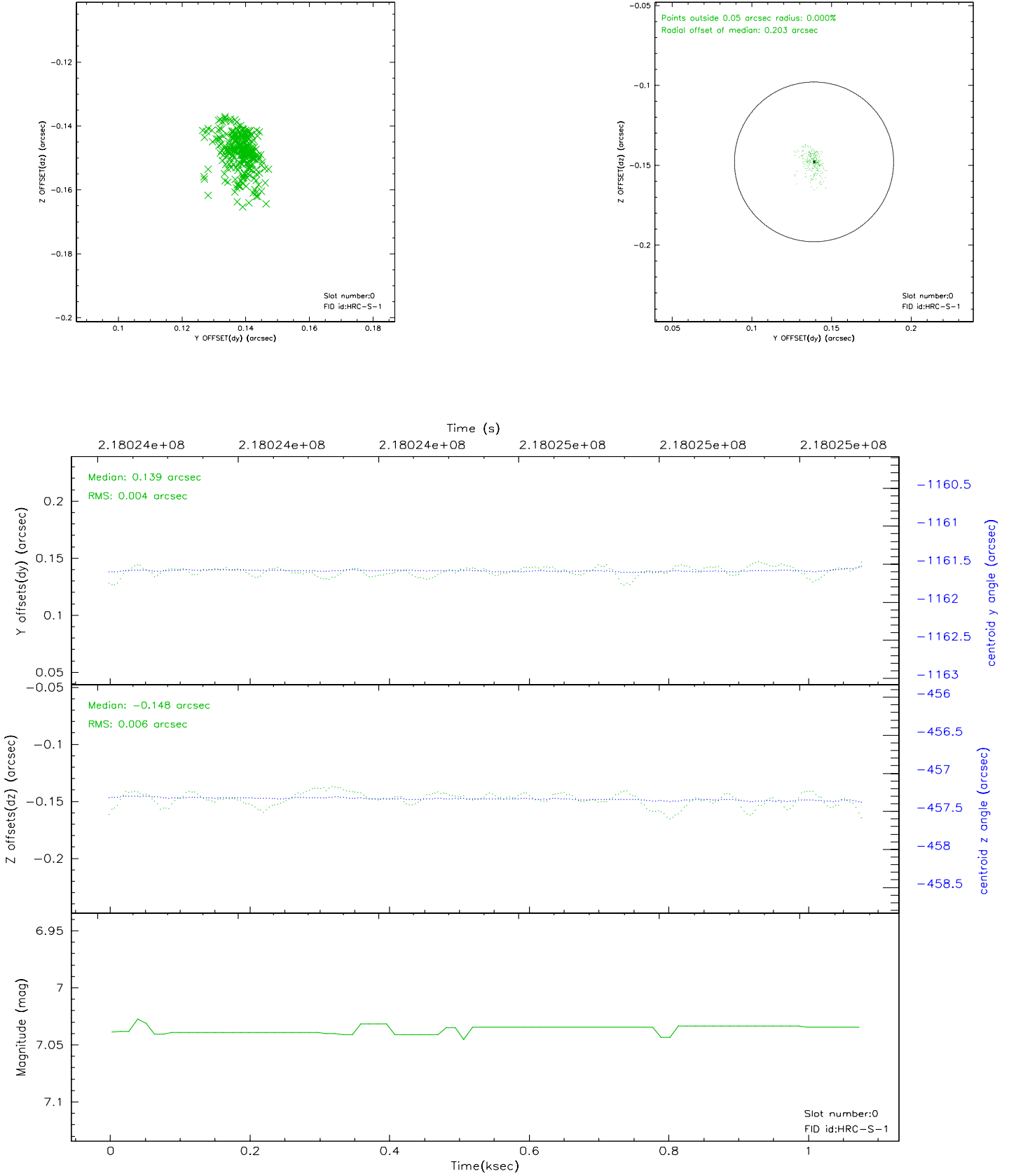


2.4.5 Slot 7

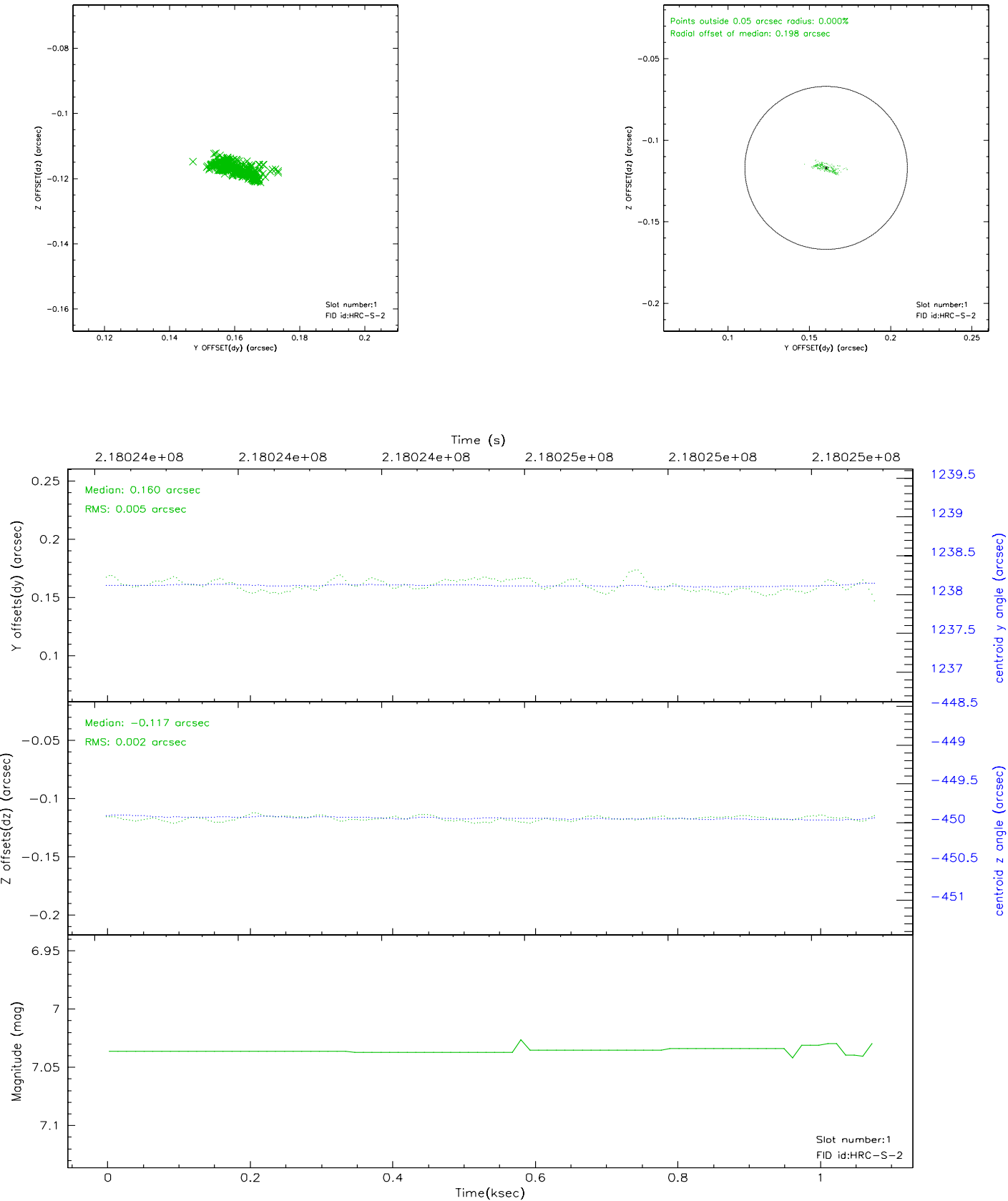


2.5 FID Slots

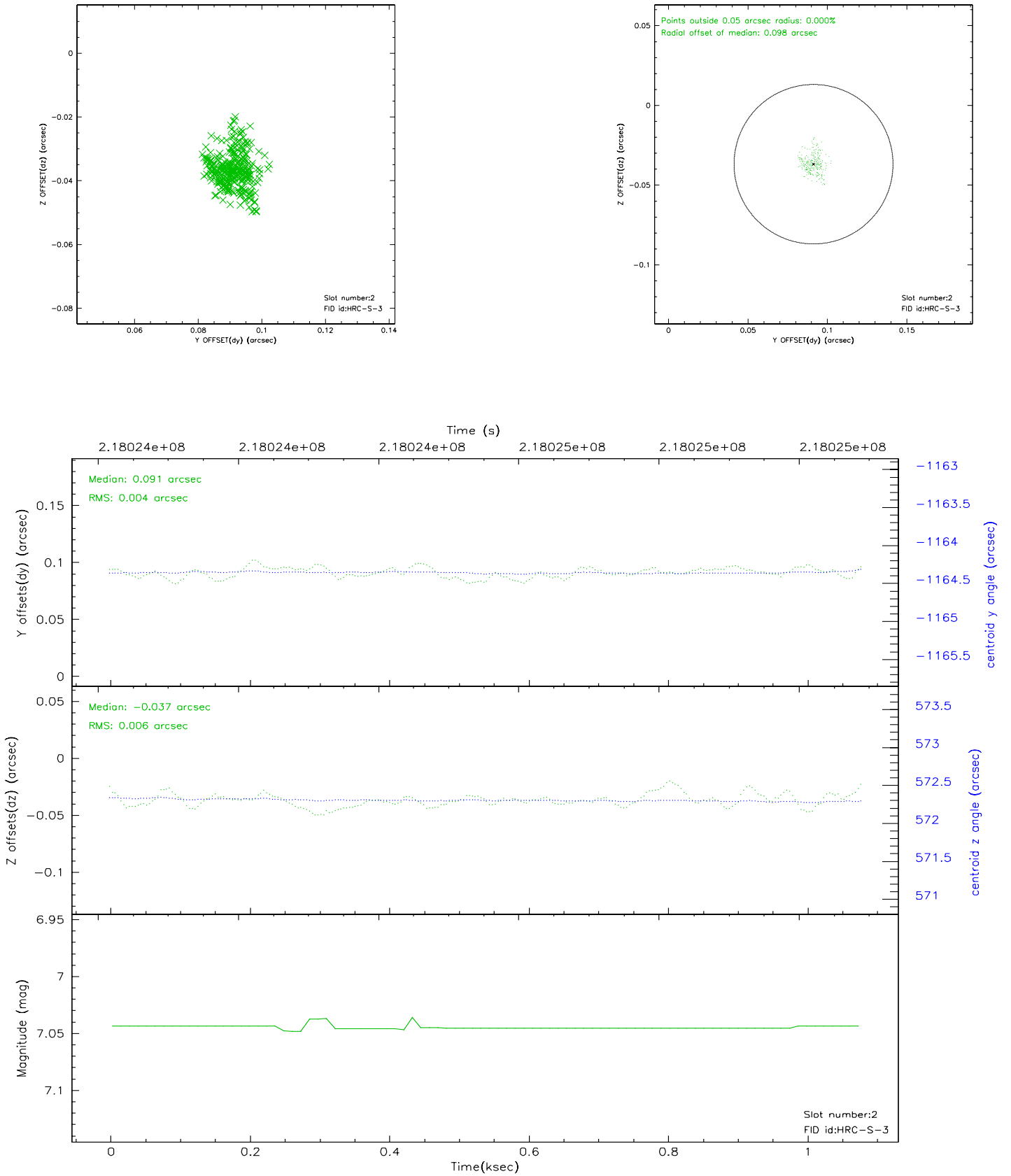
2.5.1 Slot 0



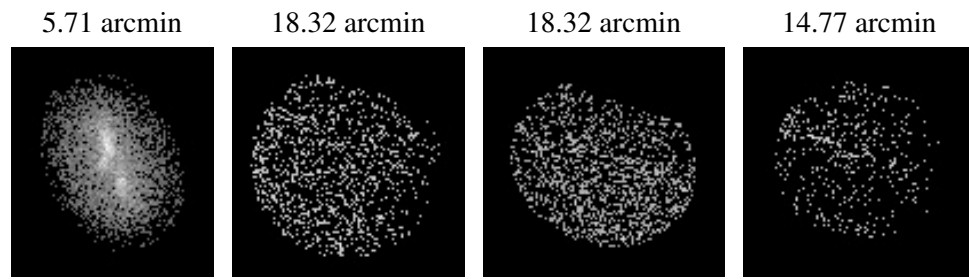
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.050881

A.2 Comments

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.