

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5083 - L2 Version 001
Chandra X-Ray Center

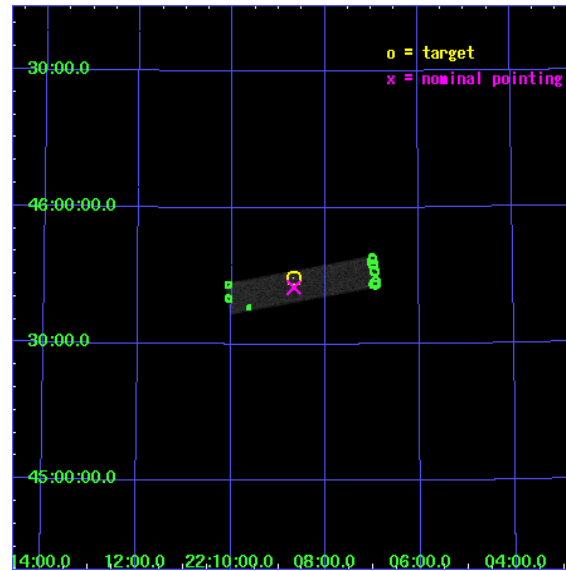
L2 Processing Date : Jun 4 2006

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1 Front

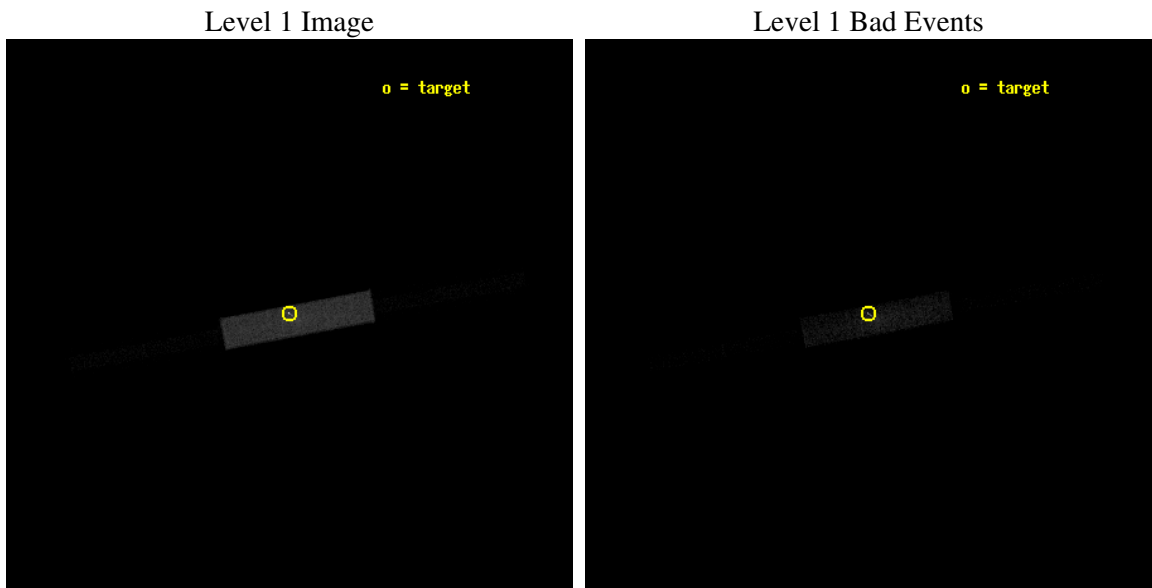
seq_num	290356
obs_id	5083
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.16780021294
dec_nom	45.7088337336
roll_nom	349.44772603783
revision	2
ontime	1087.7812975645
livetime	1082.1633804101
l2events	36985



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	2006-06-04T16:49:12
revision	2

sched_exp_time	946.000000
ontime	1133.9062995911
l1events	65188

2.1.3 Events

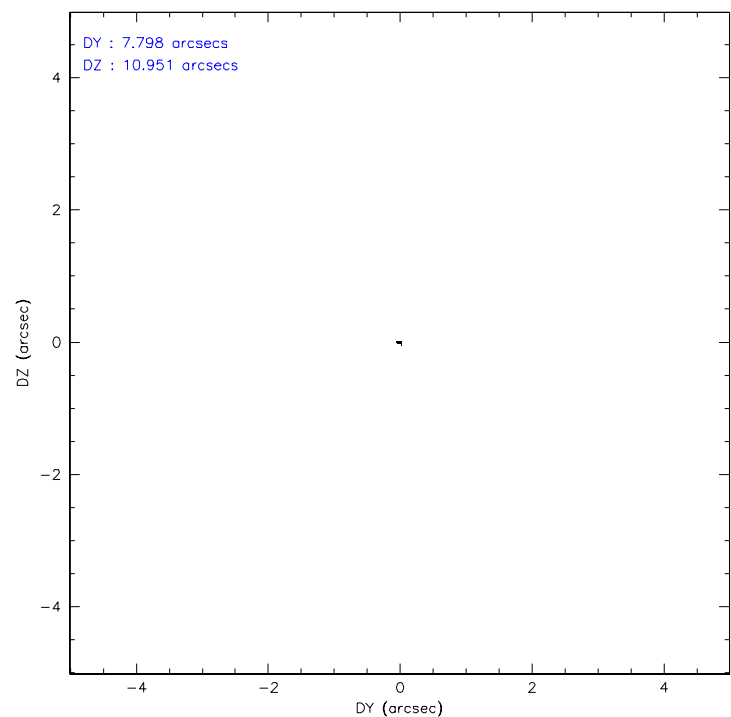
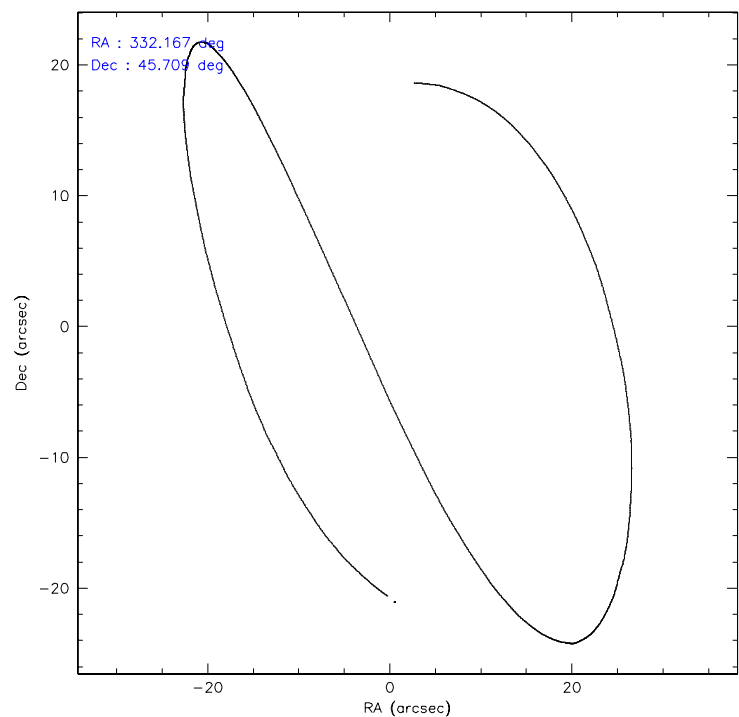
Level 1 Events

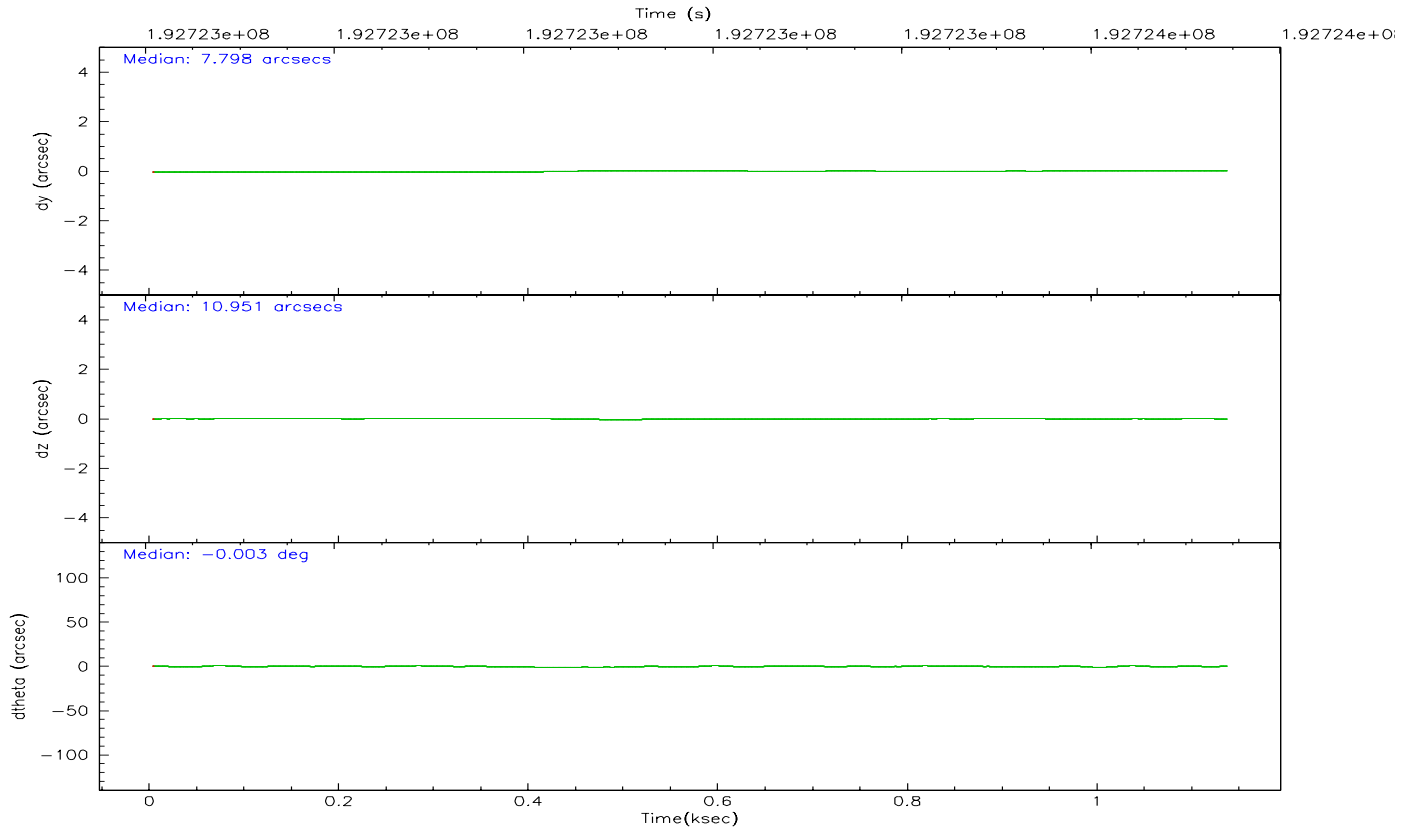
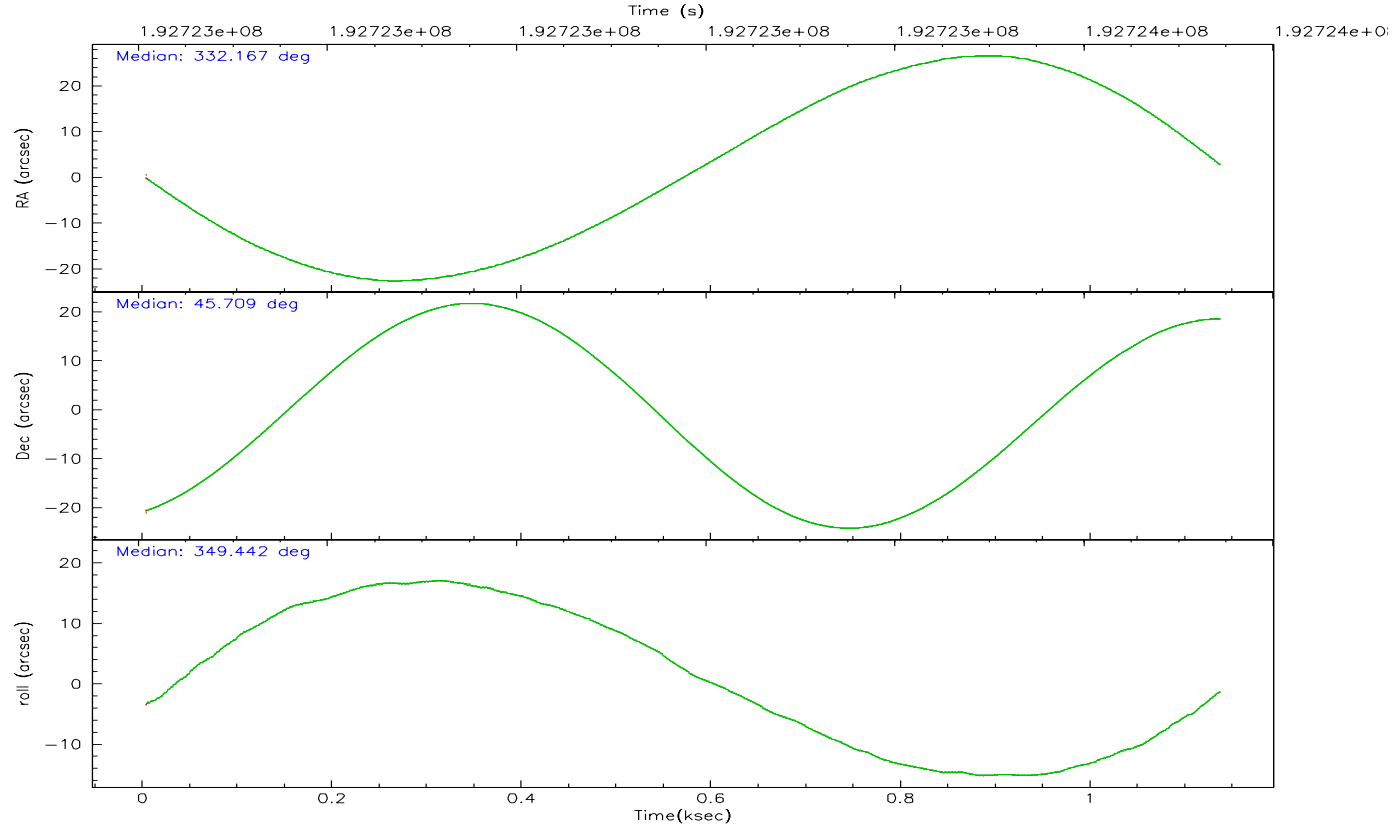
	segment 1	segment 2	segment 3
level 1 events	1004	63105	1079
rejected events	1004	23245	1079
rejected %	100%	36%	100%

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	332.129863	332.1678002129433			
Pointing Dec	45.697704	45.70883373359975			
Pointing Roll	349.407570	349.4477260378278			
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	192722801.184000	192722425.07213			
Observation start date	2004-02-09T14:05:37	2004-02-09T14:00:25			
Observation end time	192723747.184000	192723880.57219			
Observation end date	2004-02-09T14:21:23	2004-02-09T14:24:40			

2.3 Aspect



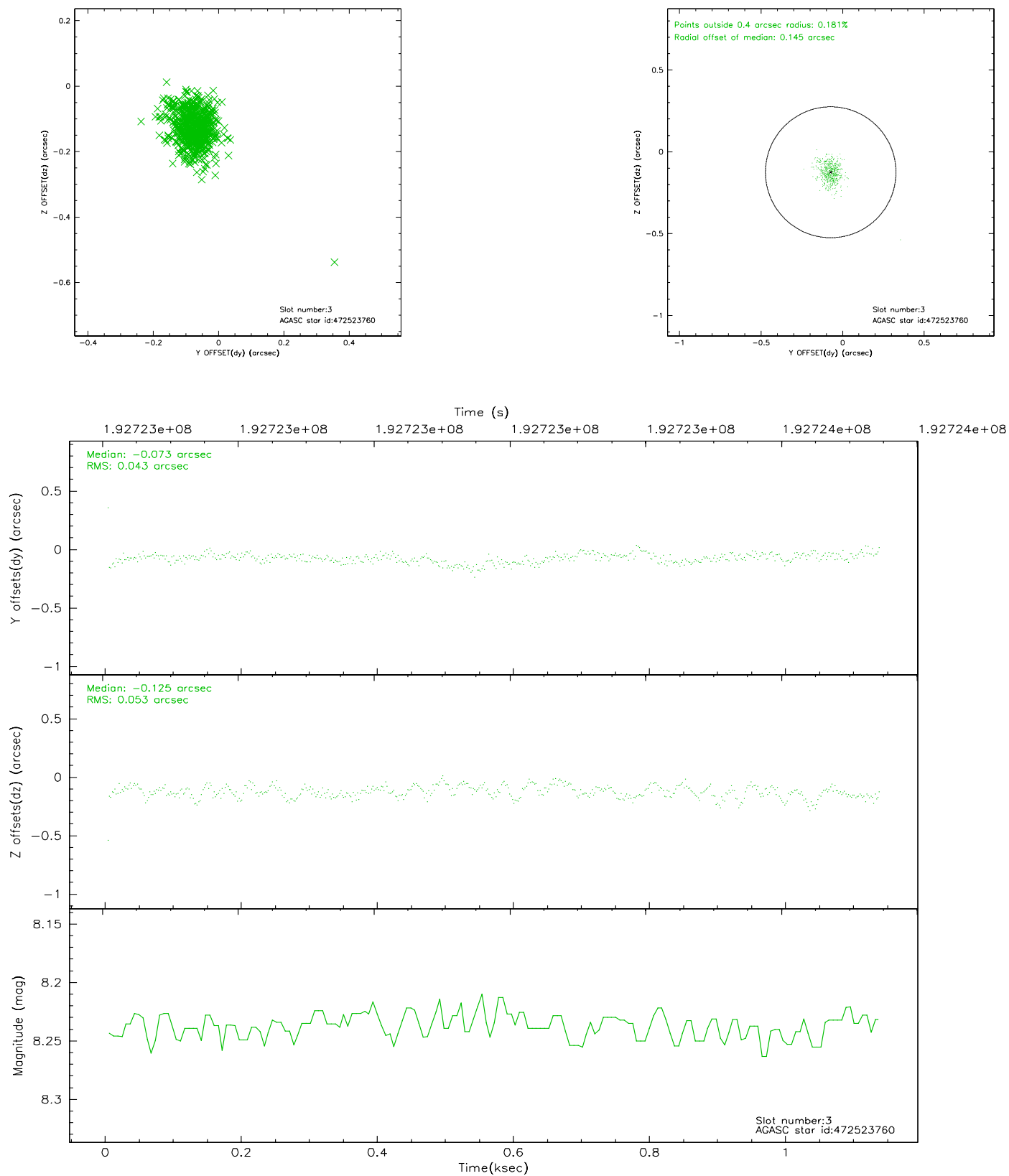


Slot Statistics

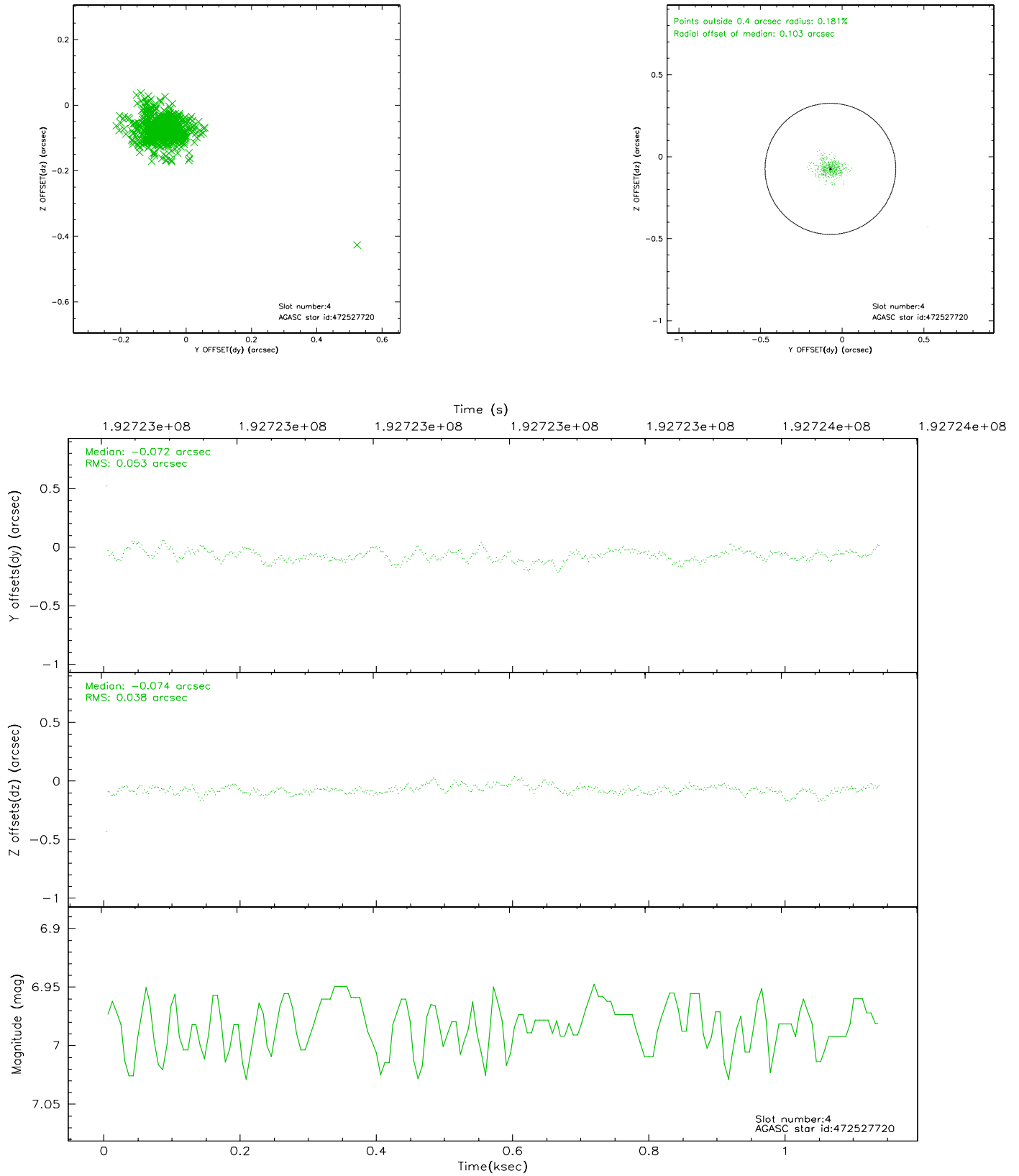
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	277	0.147	-0.170	0.006	0.010	0.000000	0.000000	-1161.94	-459.66
1	FID	HRC-S-2	7.03	277	0.135	-0.111	0.004	0.008	0.000000	0.000000	1233.53	-453.92
2	FID	HRC-S-3	7.05	277	0.106	-0.022	0.006	0.011	0.000000	0.000000	-1160.24	568.38
3	GUIDE	472523760	8.24	554	-0.073	-0.125	0.068	0.111	331.645363	45.403260	-1009.37	-1264.48
4	GUIDE	472527720	6.98	554	-0.072	-0.074	0.060	0.105	331.460205	45.112509	-1287.89	-2379.89
5	GUIDE	472533912	9.17	554	0.012	0.008	0.117	0.176	331.791136	46.368695	-1273.83	2216.30
6	GUIDE	472655152	9.42	553	0.135	0.058	0.102	0.186	332.504239	45.862991	810.80	762.87
7	GUIDE	472659832	9.47	553	0.013	0.118	0.111	0.184	332.780399	46.098139	1331.61	1722.90

2.4 Star Slots

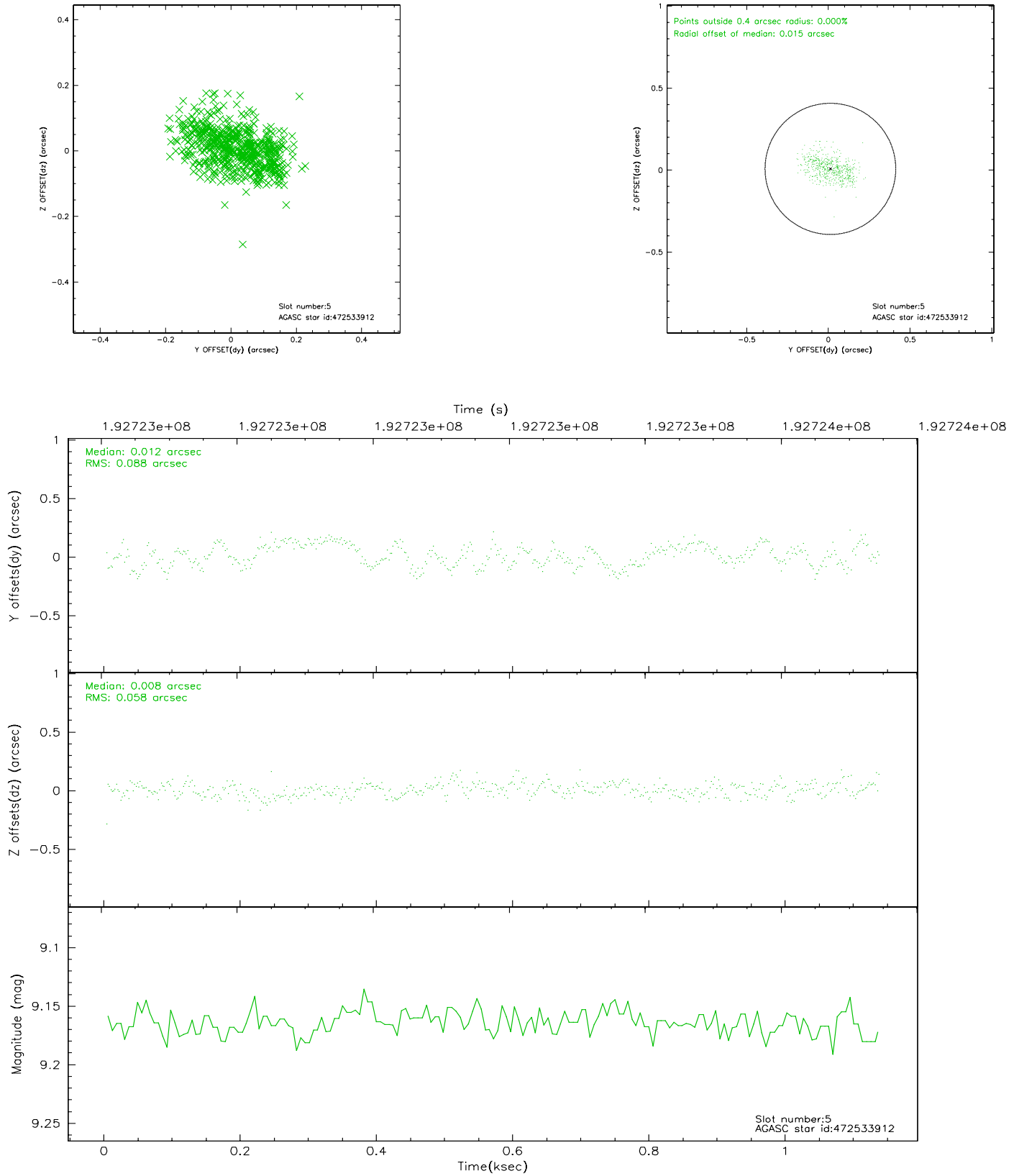
2.4.1 Slot 3



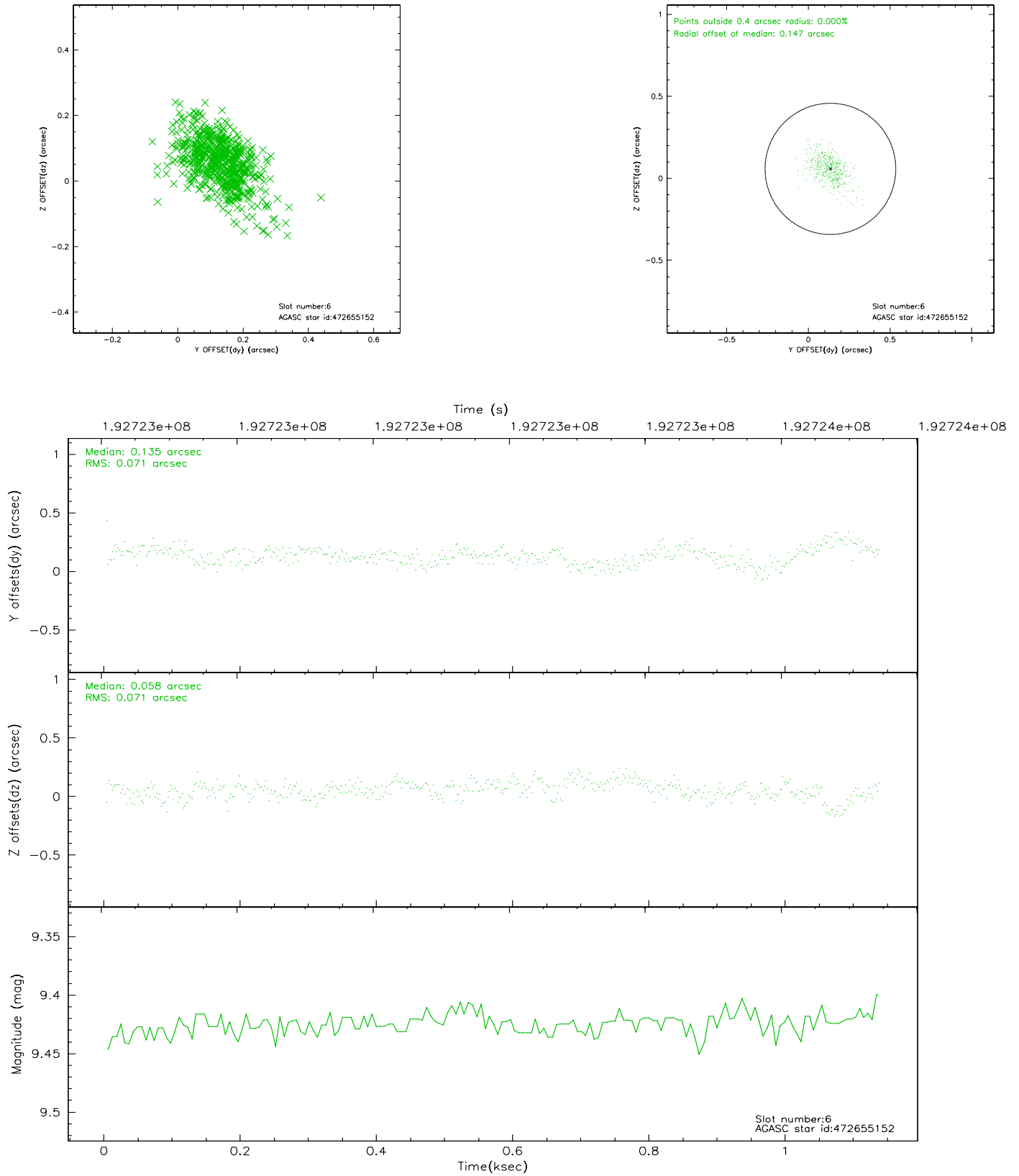
2.4.2 Slot 4



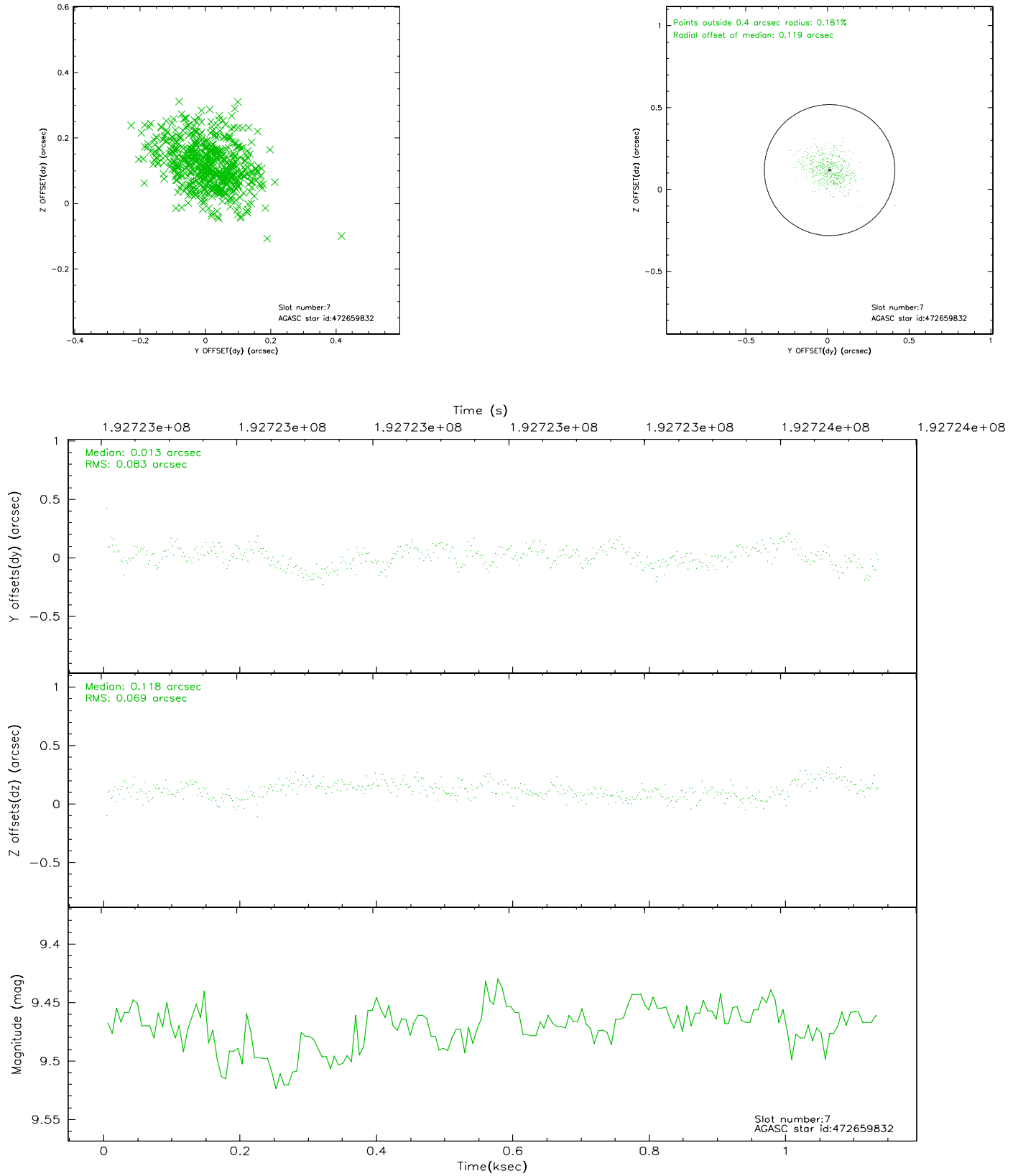
2.4.3 Slot 5



2.4.4 Slot 6

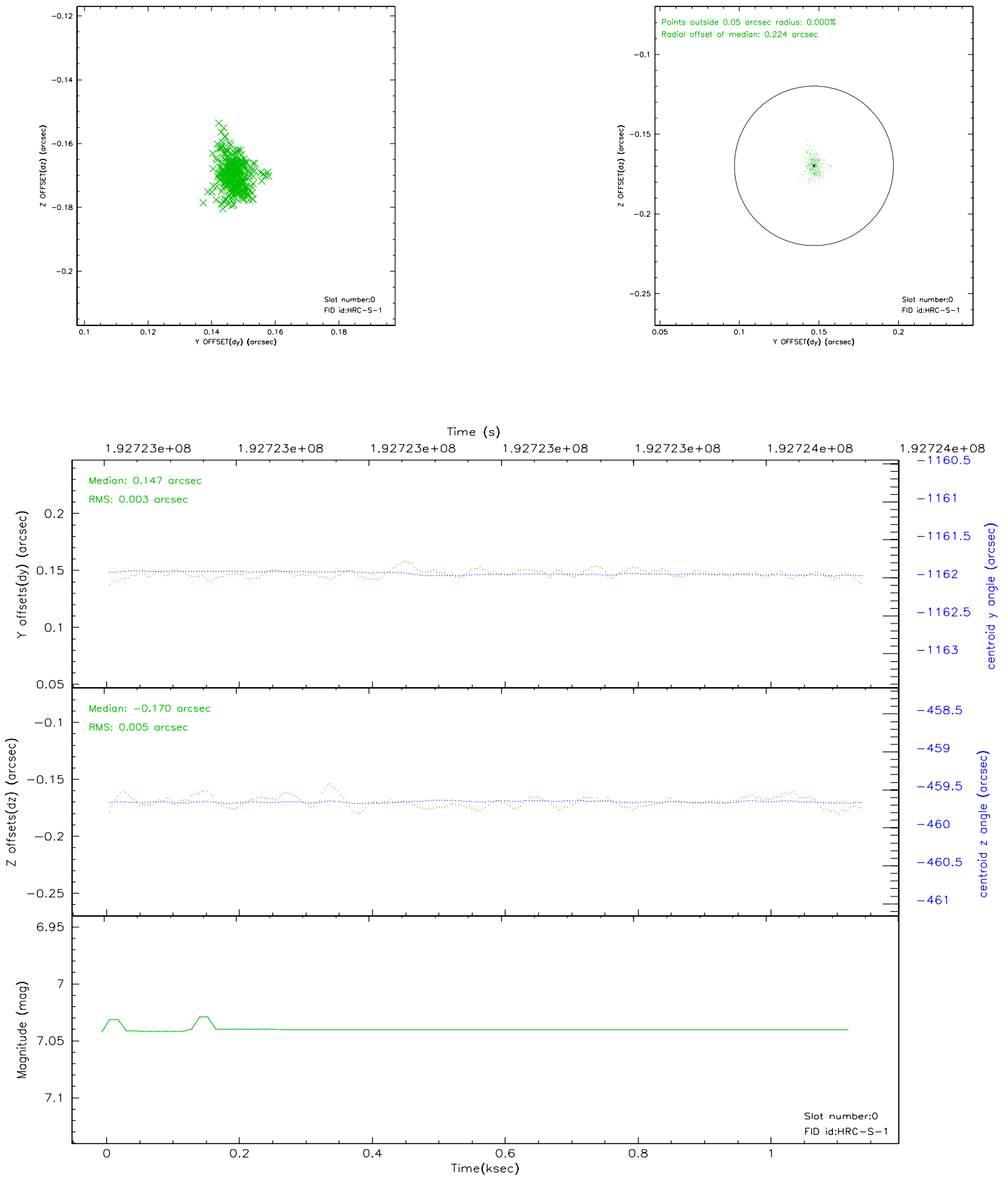


2.4.5 Slot 7

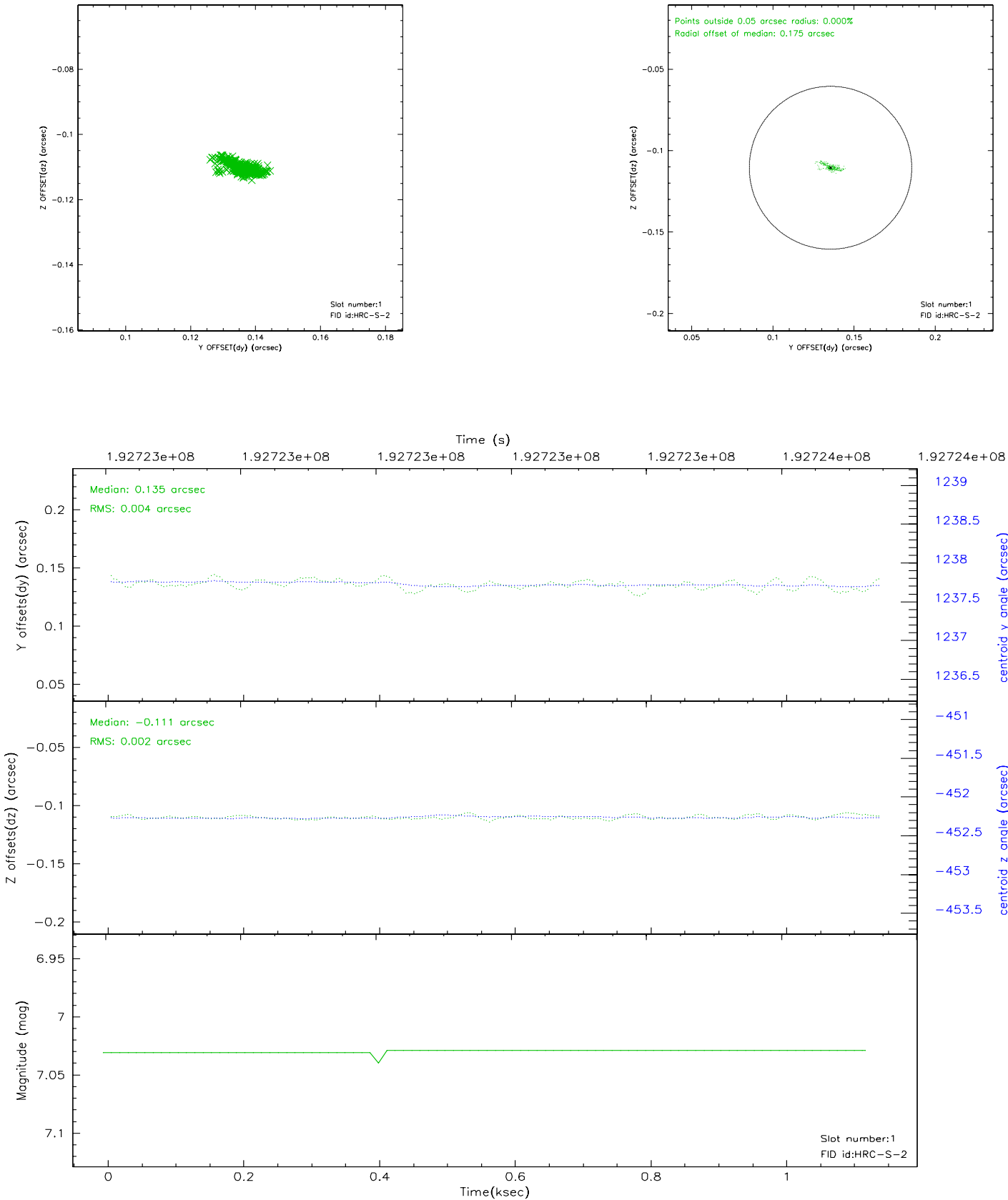


2.5 FID Slots

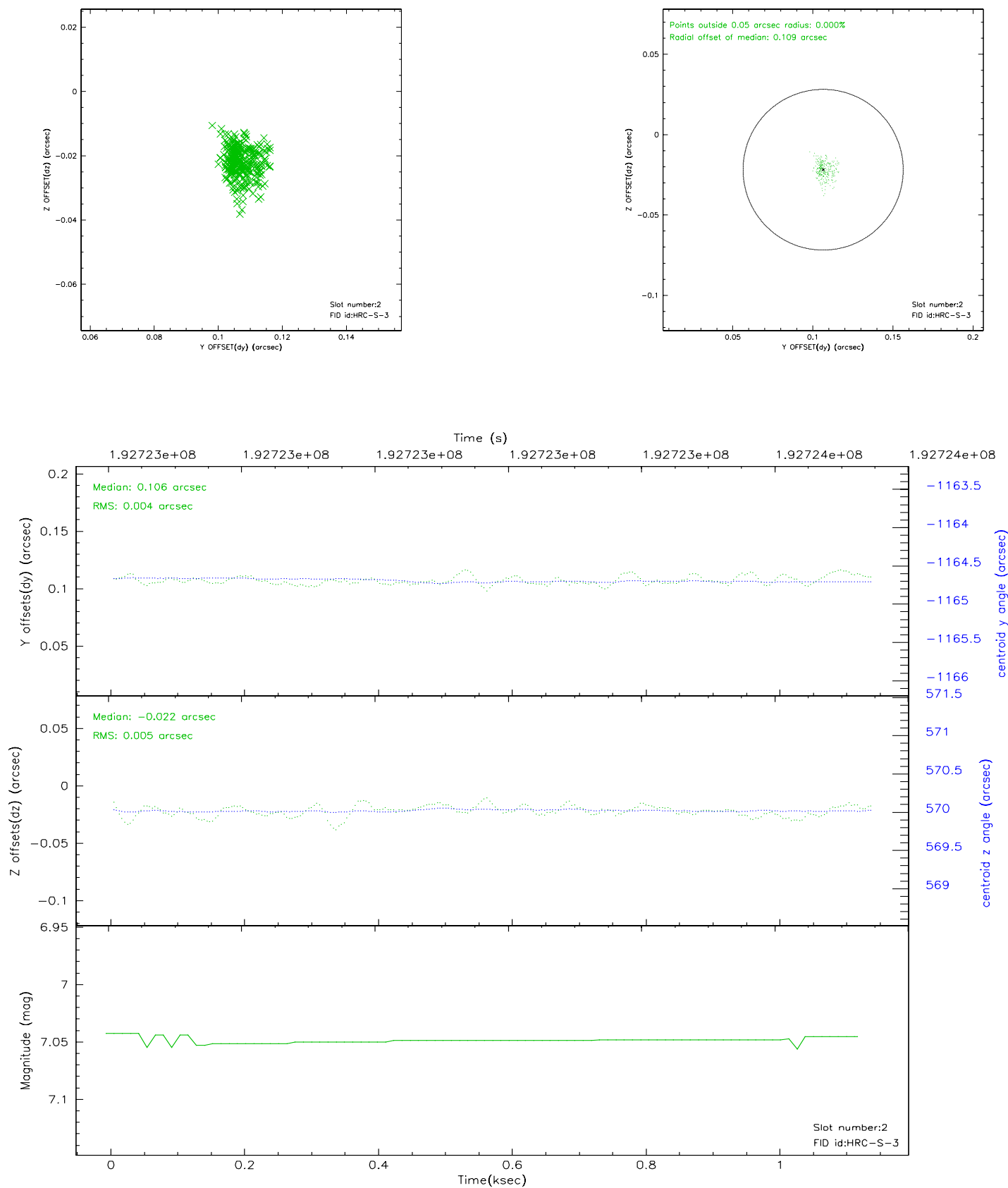
2.5.1 Slot 0



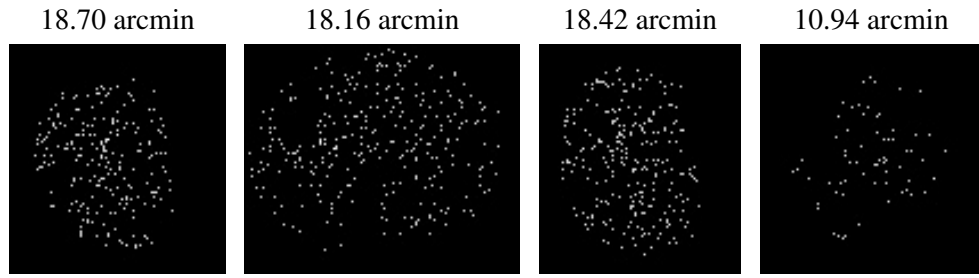
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

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.