

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5120 - L2 Version 002
Chandra X-Ray Center

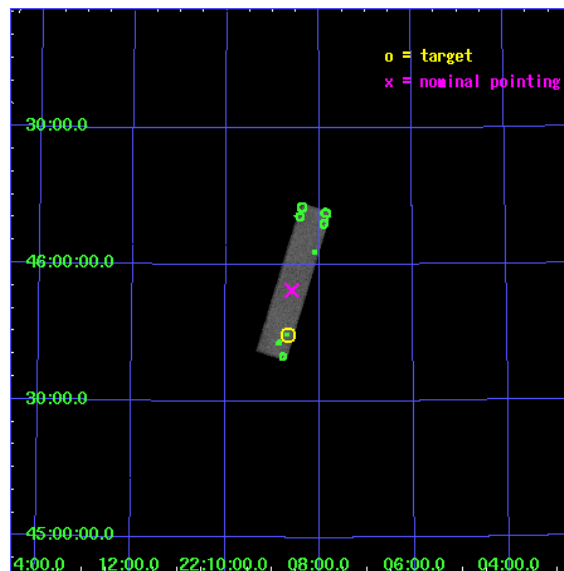
L2 Processing Date : Apr 11 2006

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1 Front

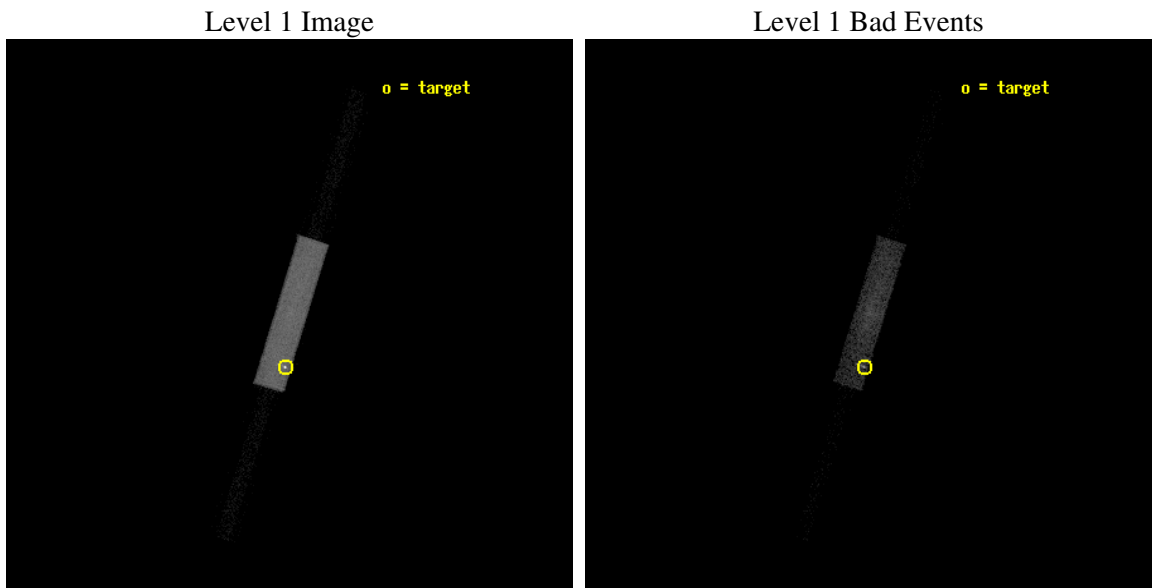
seq_num	290393
obs_id	5120
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.14677494572
dec_nom	45.906780456808
roll_nom	287.0816464442
revision	2
ontime	1054.9812974334
livetime	1044.0059984637
l2events	59504



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	2006-04-11T16:10:44
revision	2

sched_exp_time	900.000000
ontime	1084.7062987983
l1events	93545

2.1.3 Events

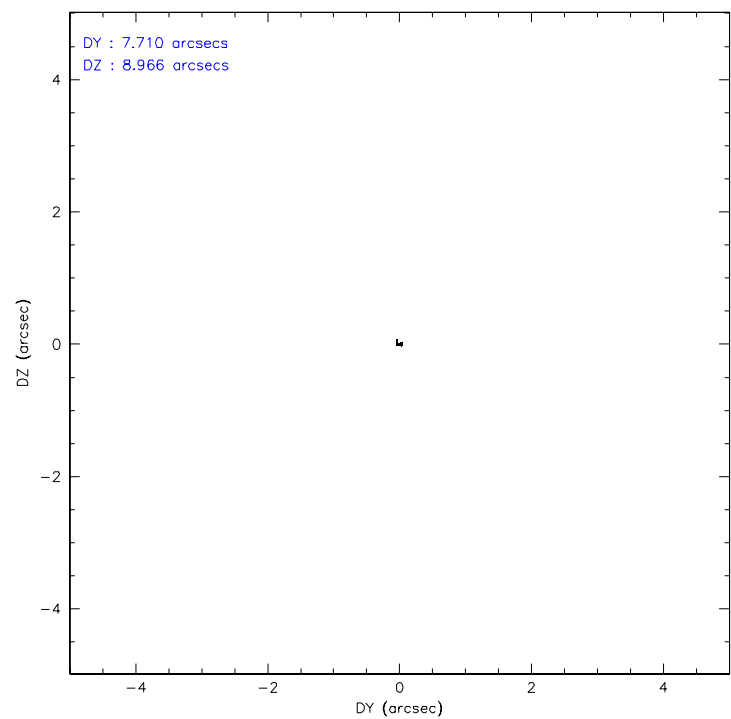
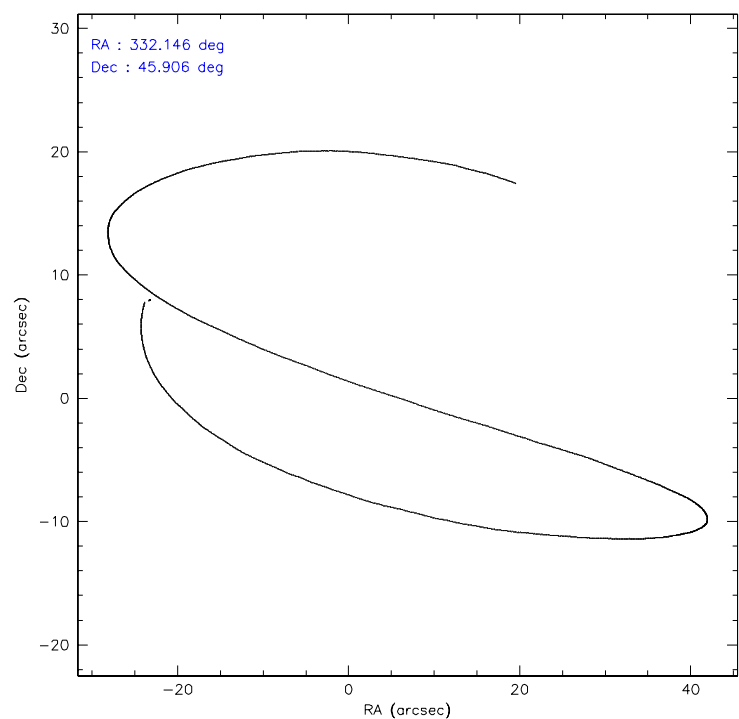
Level 1 Events

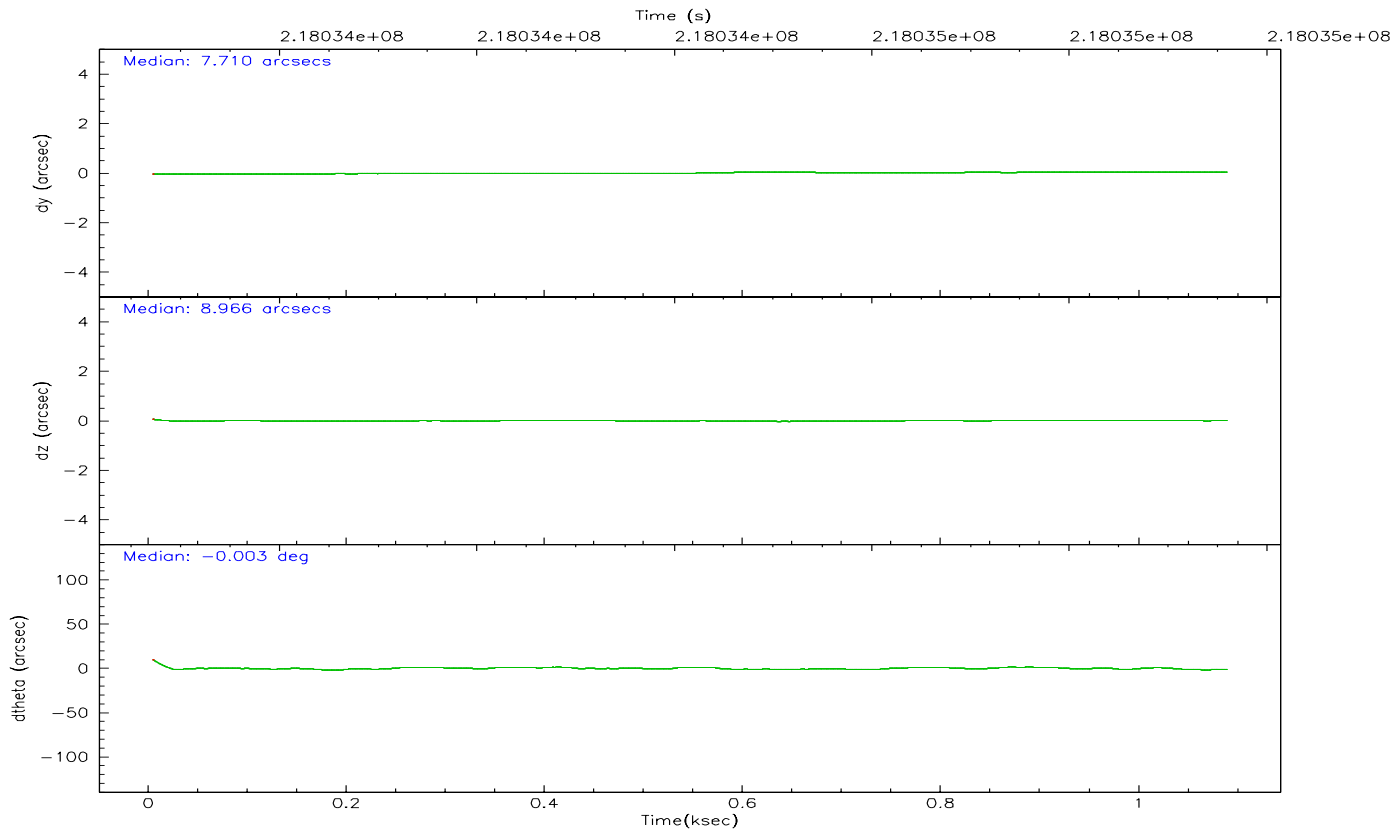
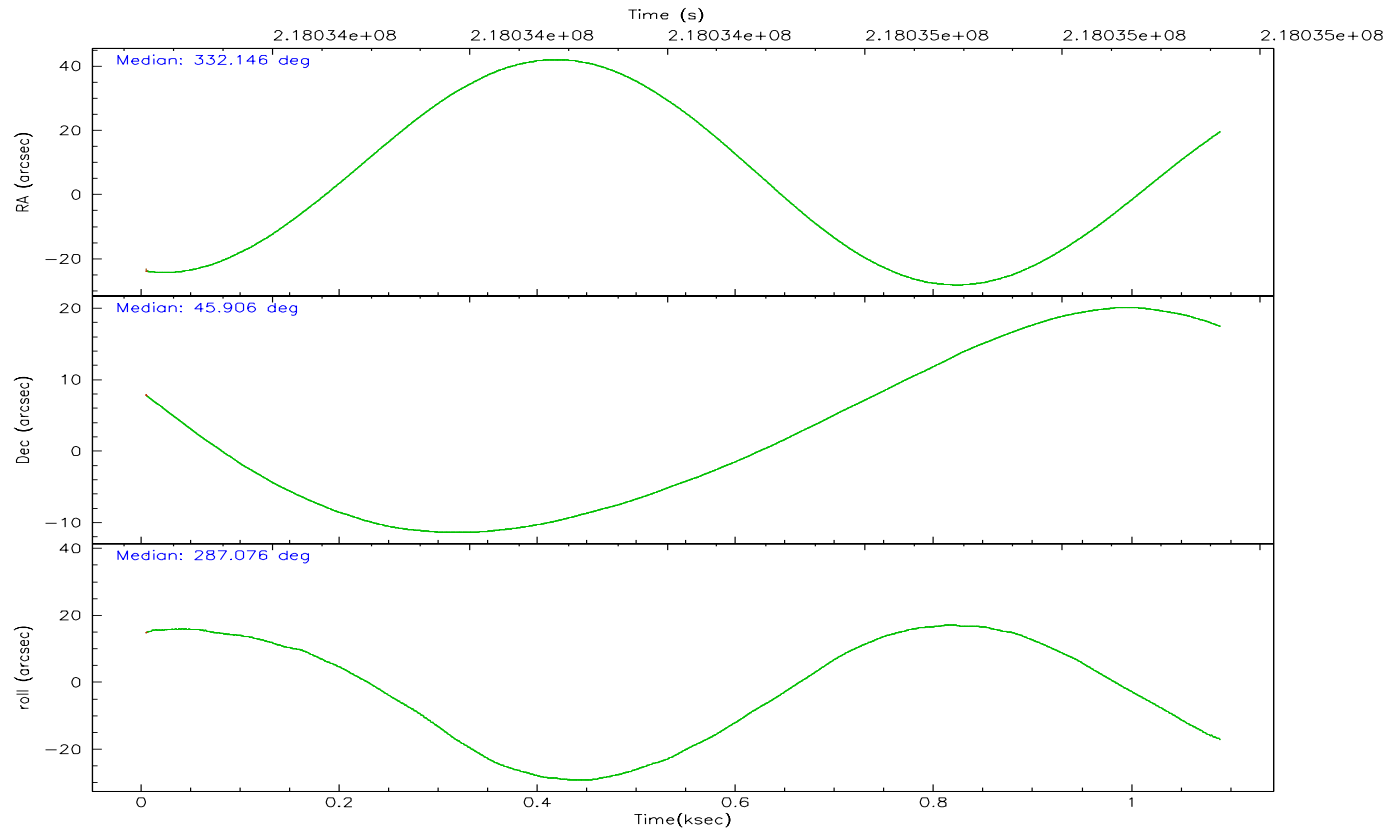
	segment 1	segment 2	segment 3
level 1 events	780	92008	757
rejected events	780	29060	757
rejected %	100%	31%	100%

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	332.116126	332.1467749457198			
Pointing Dec	45.925334	45.90678045680797			
Pointing Roll	287.036342	287.0816464441977			
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	218034063.184000	218033687.01937			
Observation start date	2004-11-28T12:59:59	2004-11-28T12:54:47			
Observation end time	218034963.184000	218035096.90693			
Observation end date	2004-11-28T13:14:59	2004-11-28T13:18:16			

2.3 Aspect



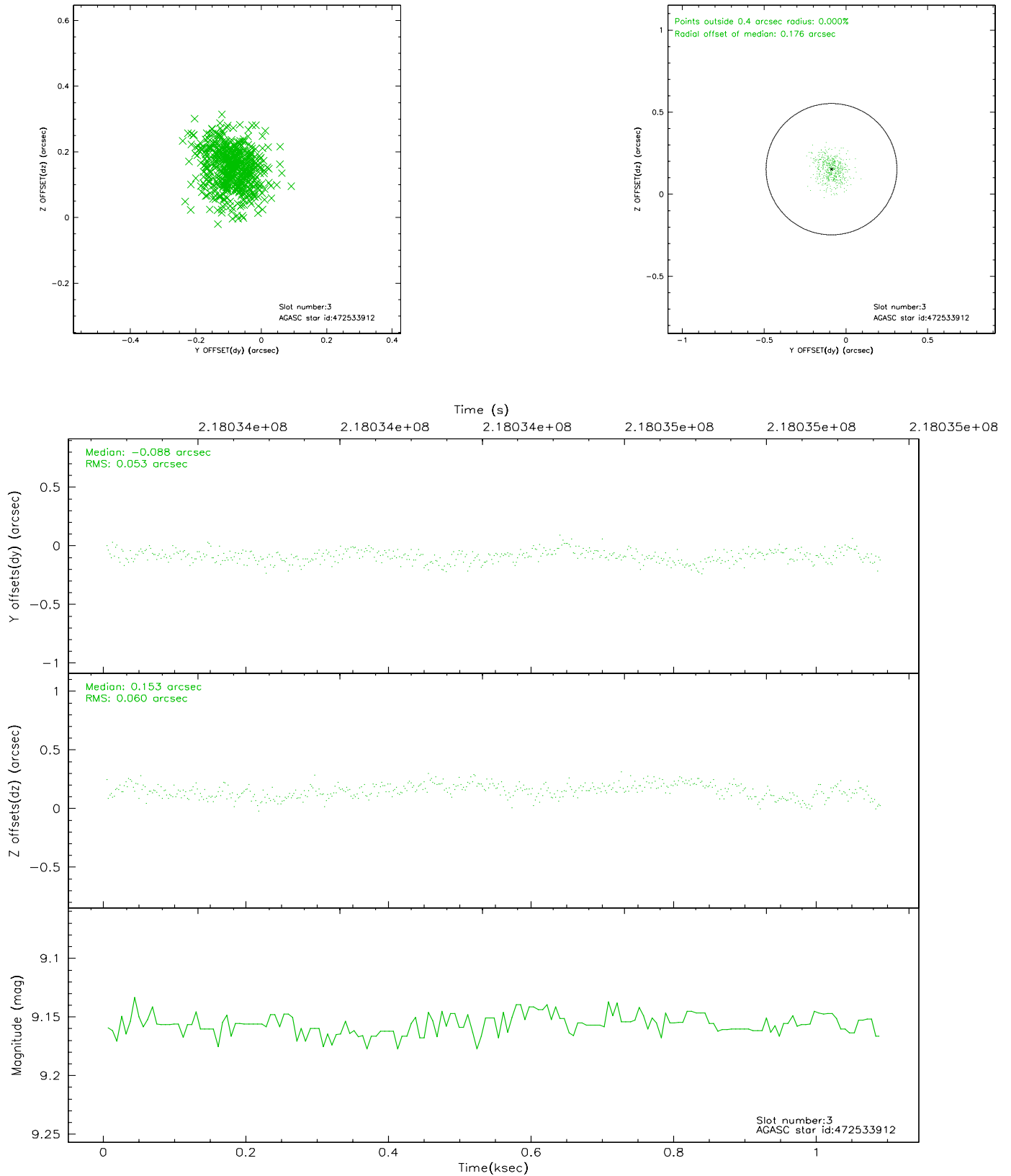


Slot Statistics

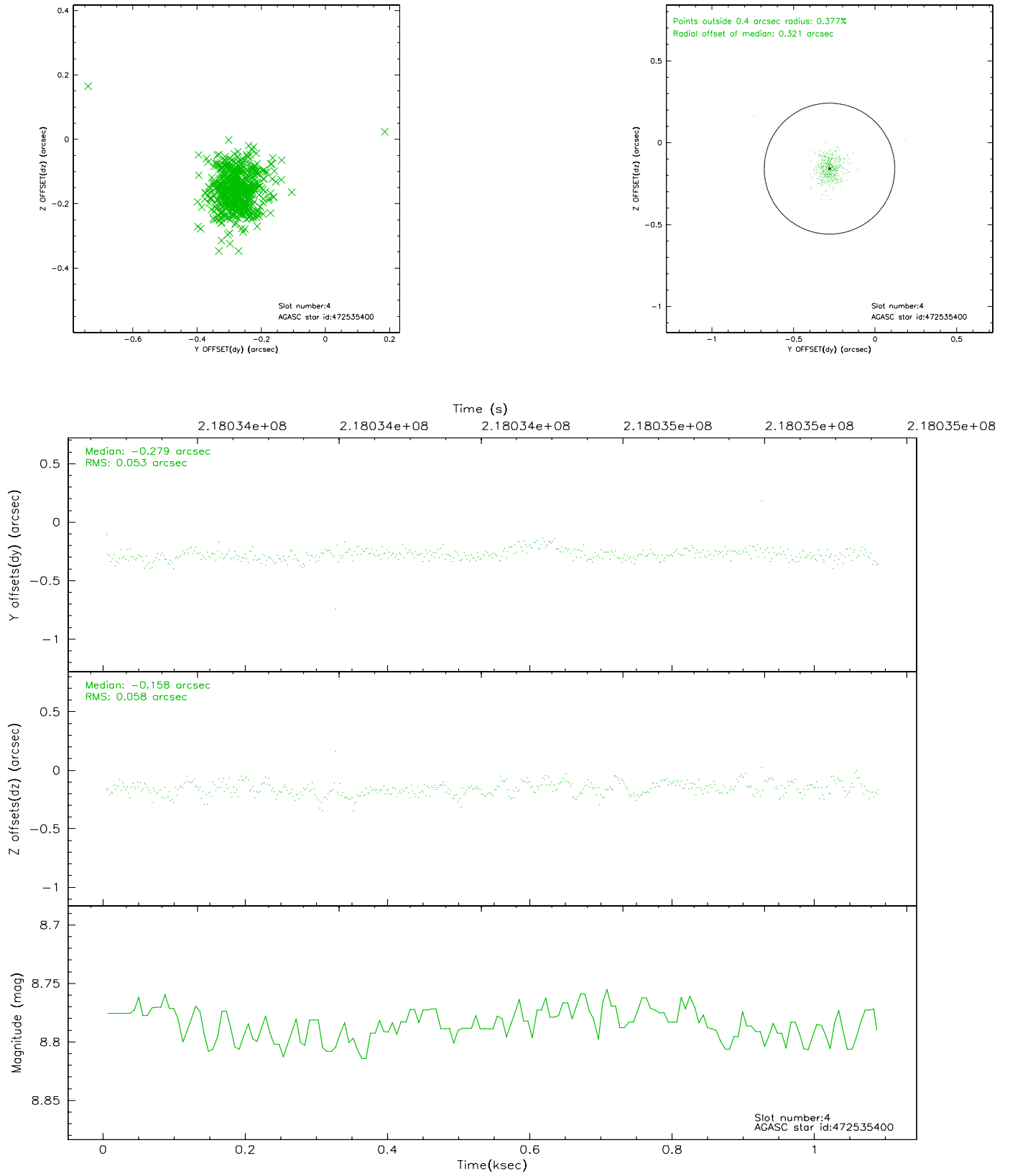
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	265	0.106	-0.172	0.007	0.012	0.000000	0.000000	-1161.91	-457.64
1	FID	HRC-S-3	7.04	265	0.057	-0.034	0.008	0.018	0.000000	0.000000	-1169.06	570.30
2	FID	HRC-S-4	7.00	265	0.224	-0.090	0.004	0.007	0.000000	0.000000	1232.06	576.69
3	GUIDE	472533912	9.16	530	-0.088	0.153	0.086	0.144	331.791136	46.368695	-1763.91	-301.47
4	GUIDE	472535400	8.78	530	-0.279	-0.158	0.077	0.130	331.047001	46.353888	-2273.52	-2081.26
5	GUIDE	472655152	9.43	530	0.012	0.055	0.113	0.197	332.504239	45.862991	493.38	863.78
6	GUIDE	472659832	9.47	530	-0.001	0.095	0.101	0.174	332.780399	46.098139	-114.55	1773.82
7	GUIDE	472527720	7.05	529	0.352	-0.158	0.105	0.173	331.460205	45.112509	2303.82	-2442.90

2.4 Star Slots

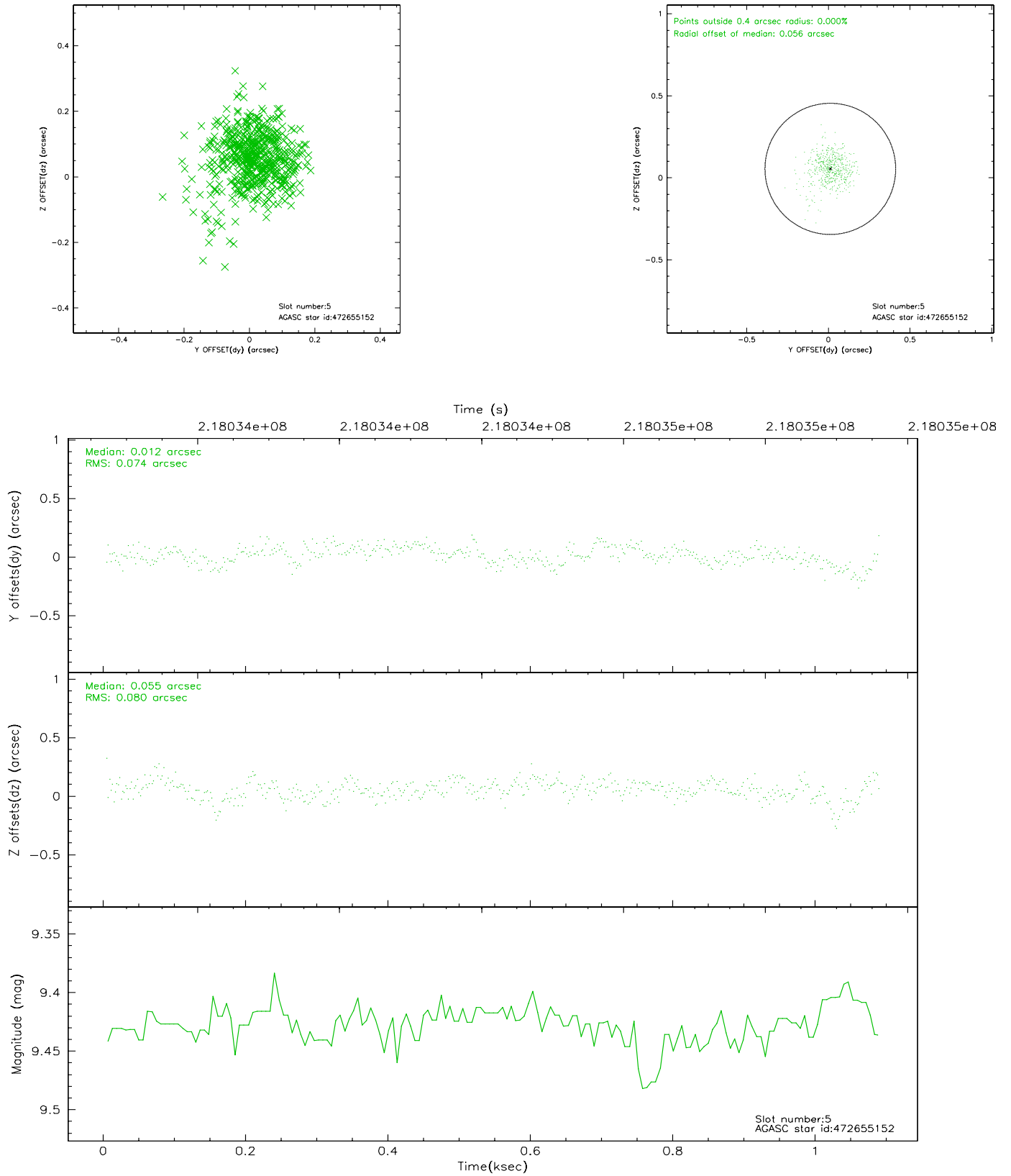
2.4.1 Slot 3



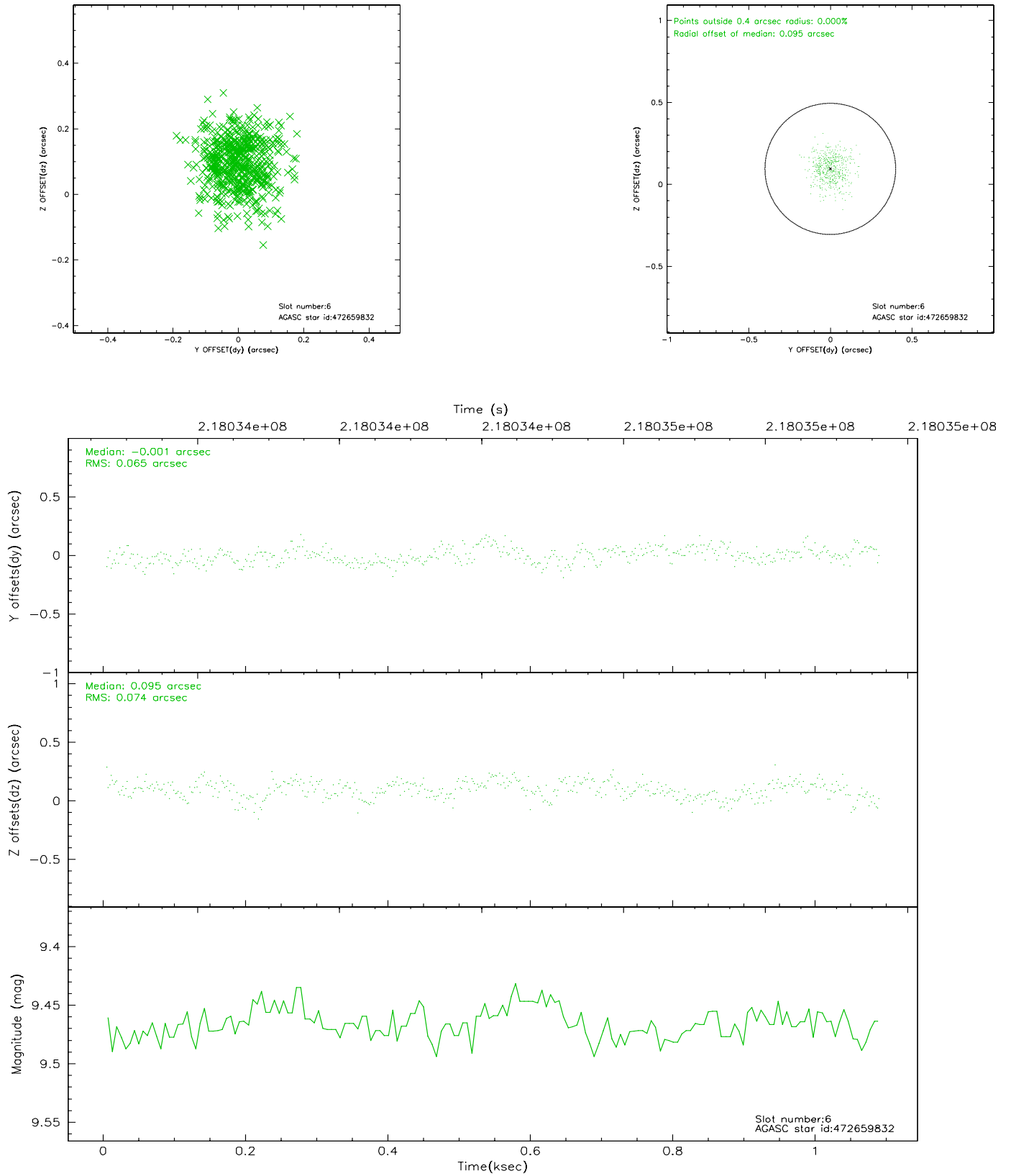
2.4.2 Slot 4



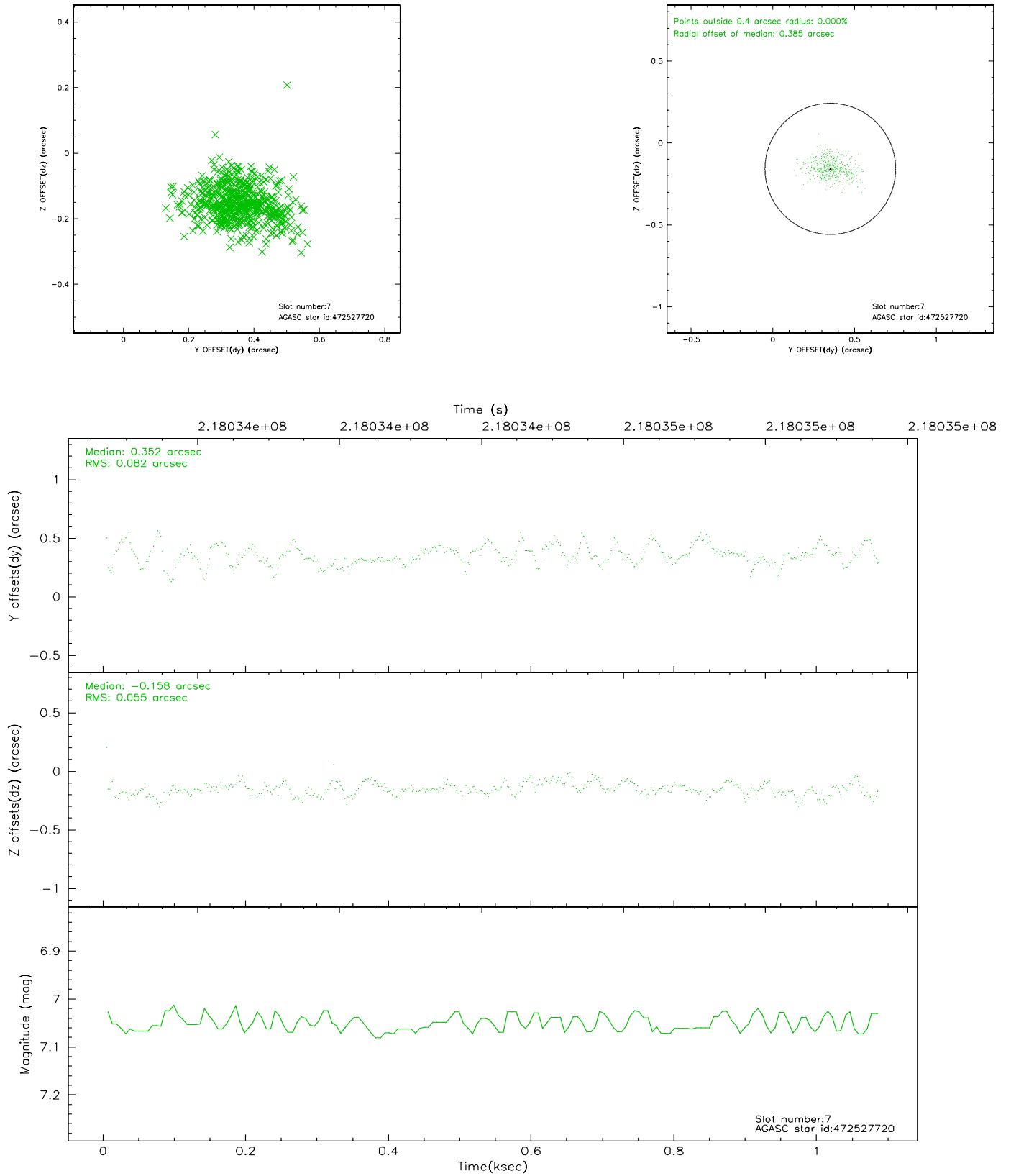
2.4.3 Slot 5



2.4.4 Slot 6

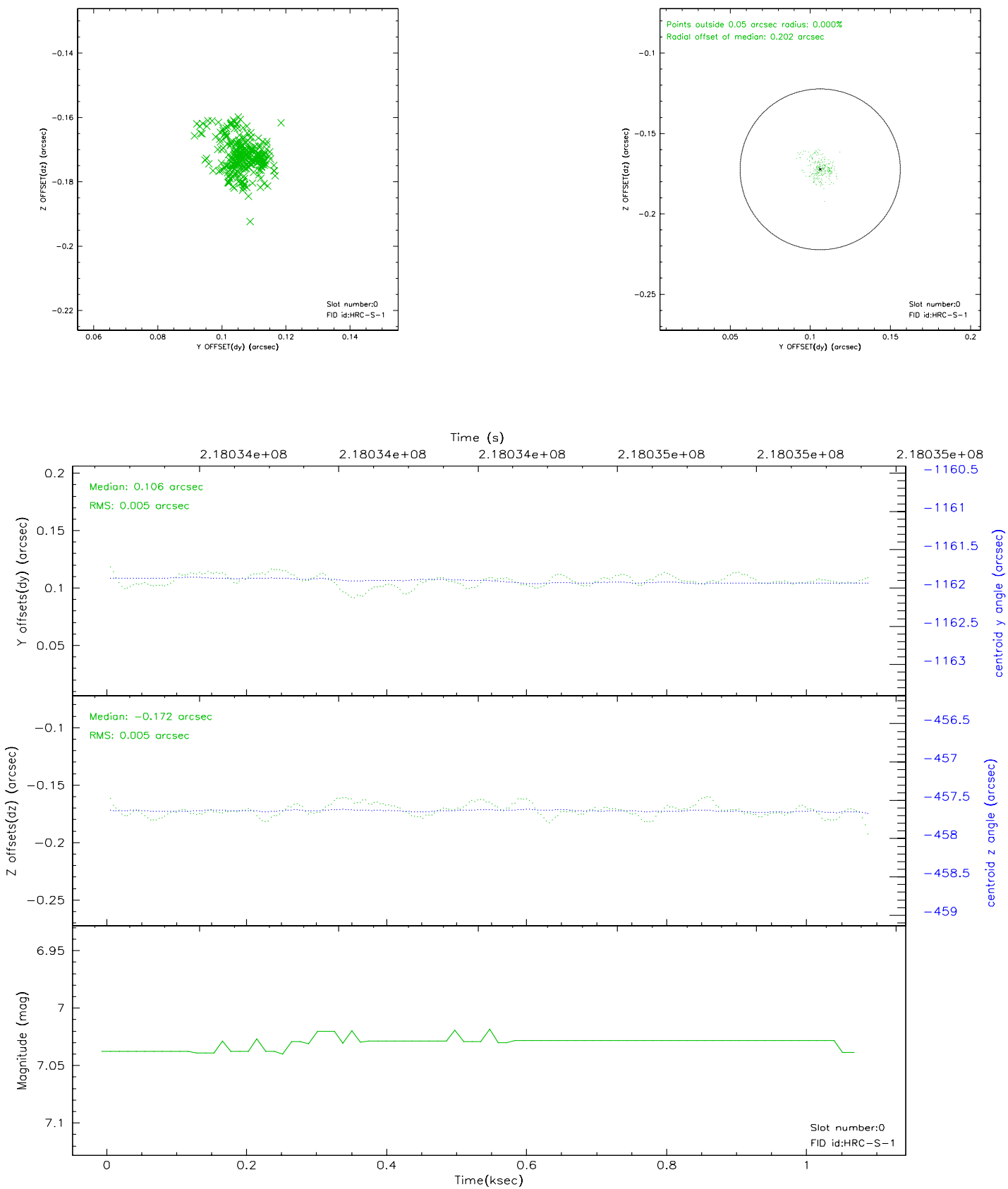


2.4.5 Slot 7

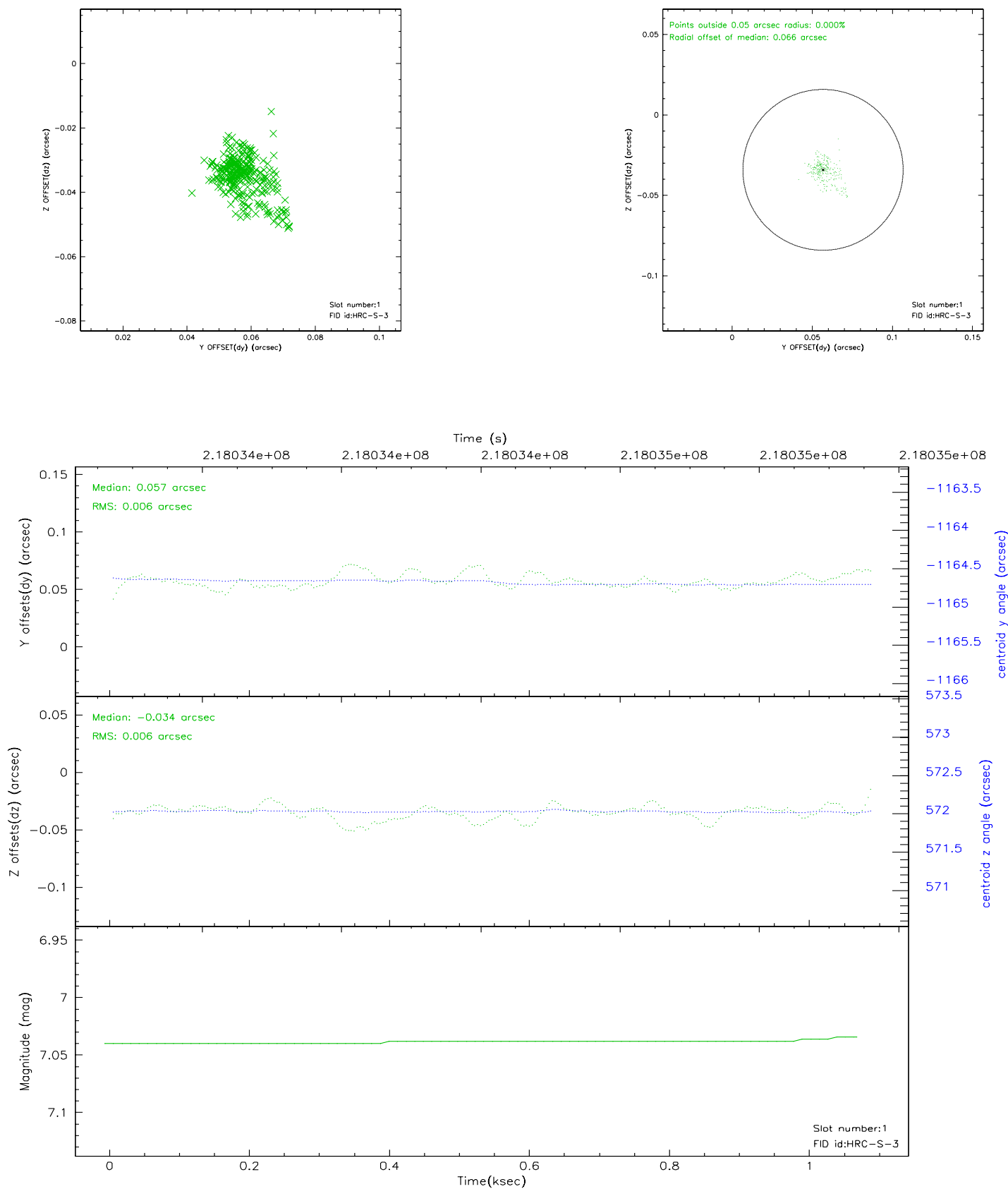


2.5 FID Slots

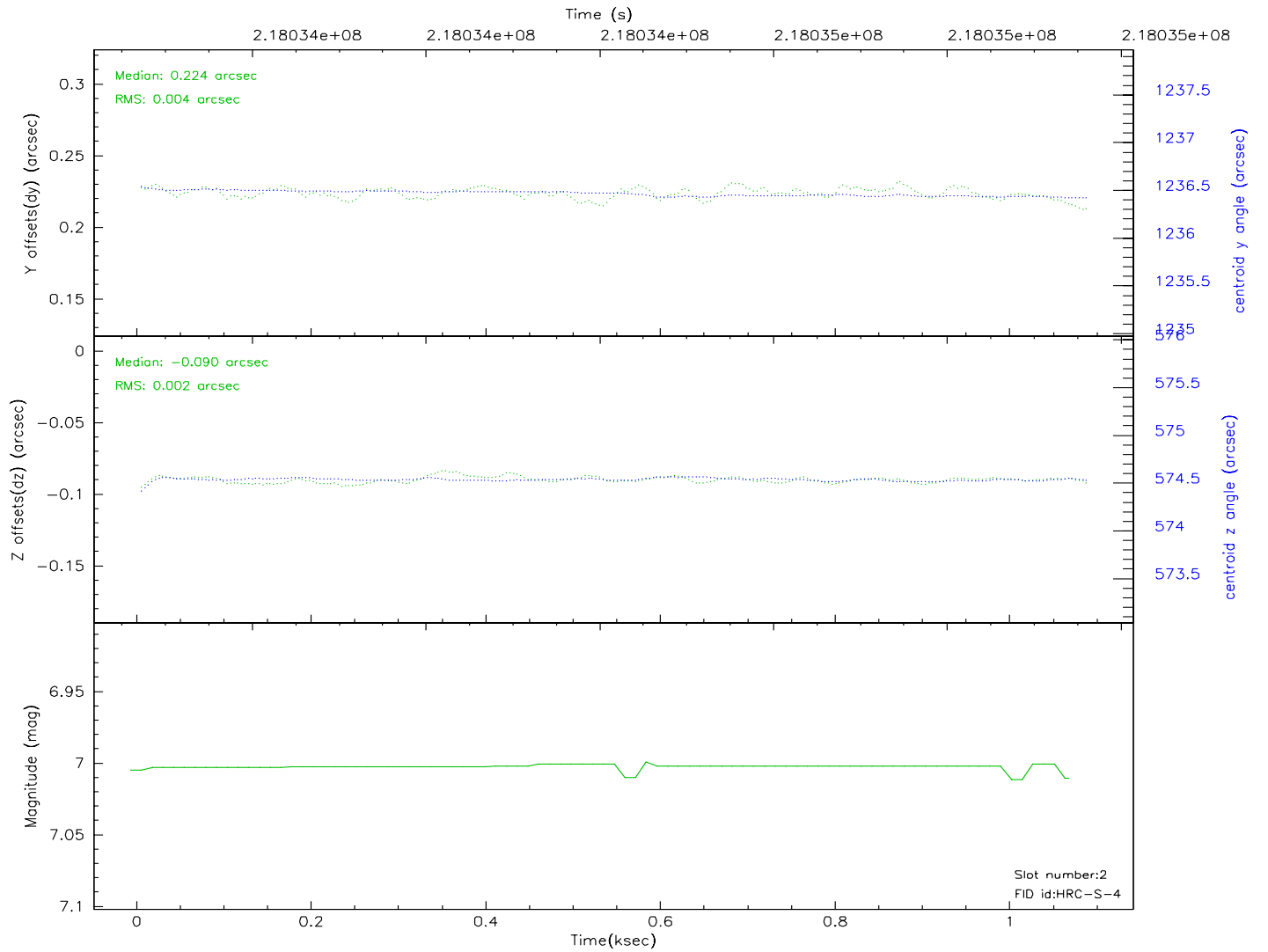
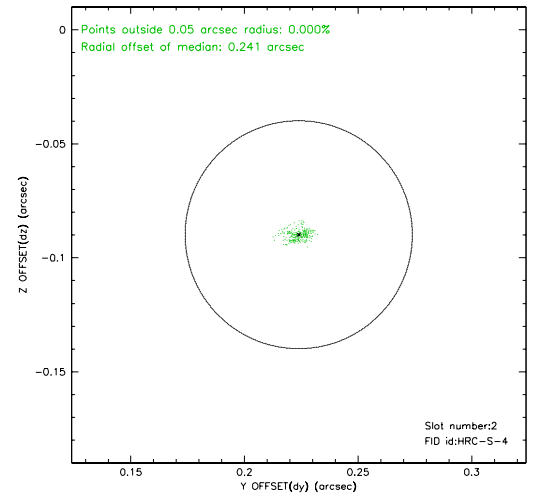
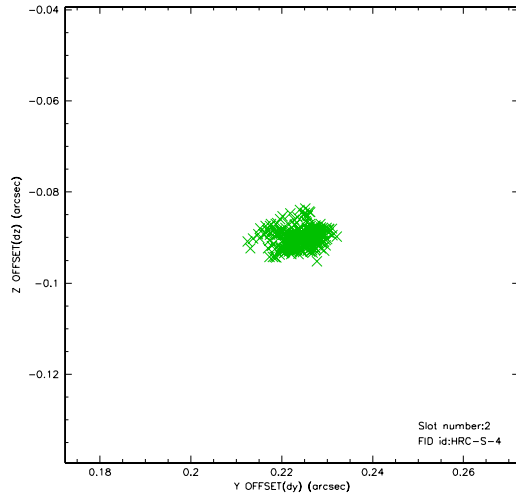
2.5.1 Slot 0



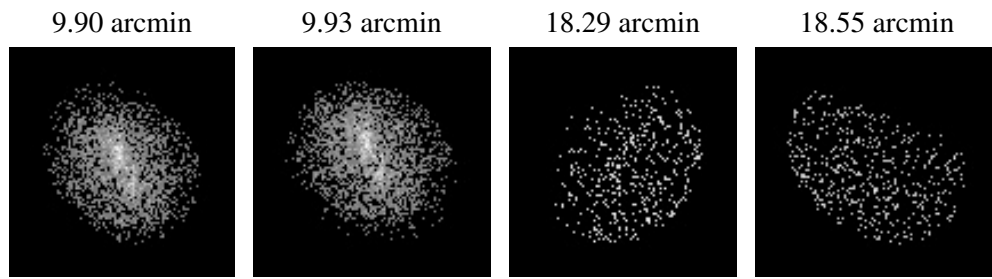
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	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	1.05498129

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.