

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2382 - L2 Version 001
Chandra X-Ray Center

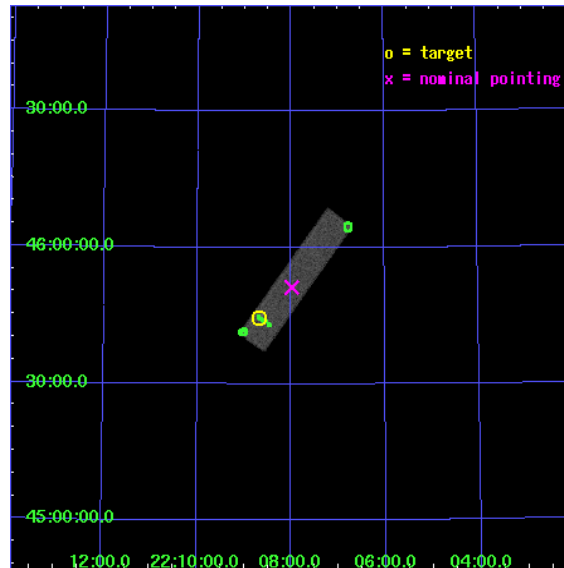
L2 Processing Date : Jun 21 2007

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1 Front

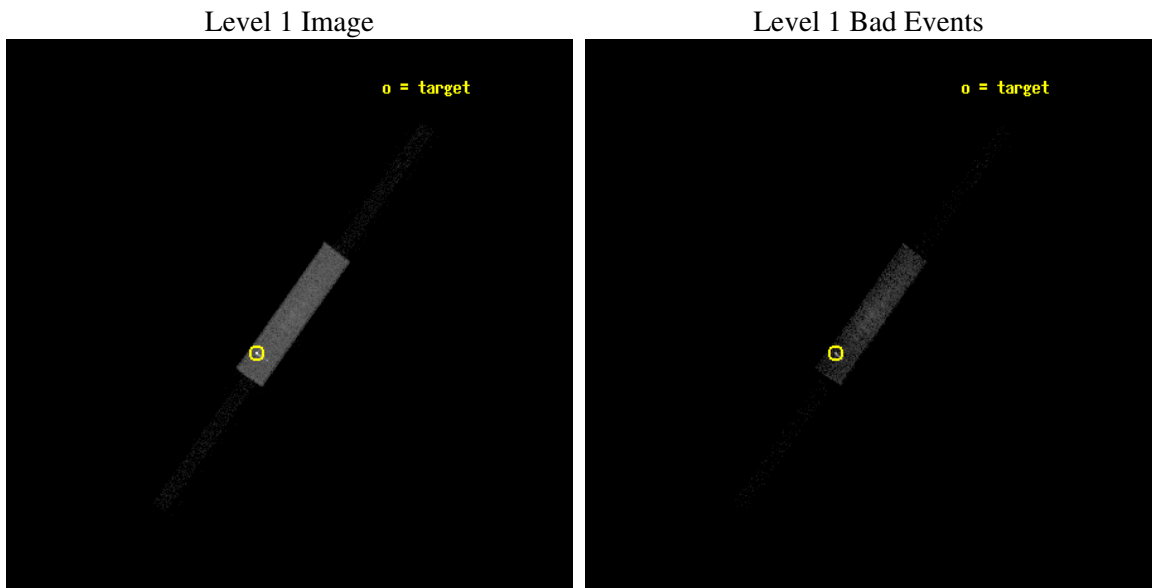
seq_num	290128
obs_id	2382
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-S,AO2
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.99623755998
dec_nom	45.854563692391
roll_nom	305.46322296388
revision	4
ontime	1143.1312937289
livetime	1137.7057215576
l2events	33913



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-21T17:09:03
revision	3

sched_exp_time	1000.000000
ontime	1143.1312937289
l1events	60854

2.1.3 Events

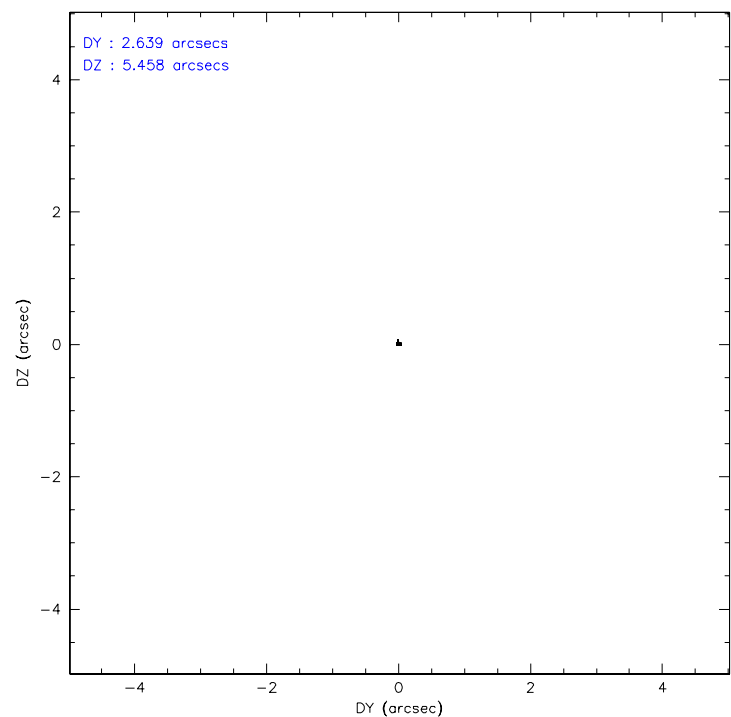
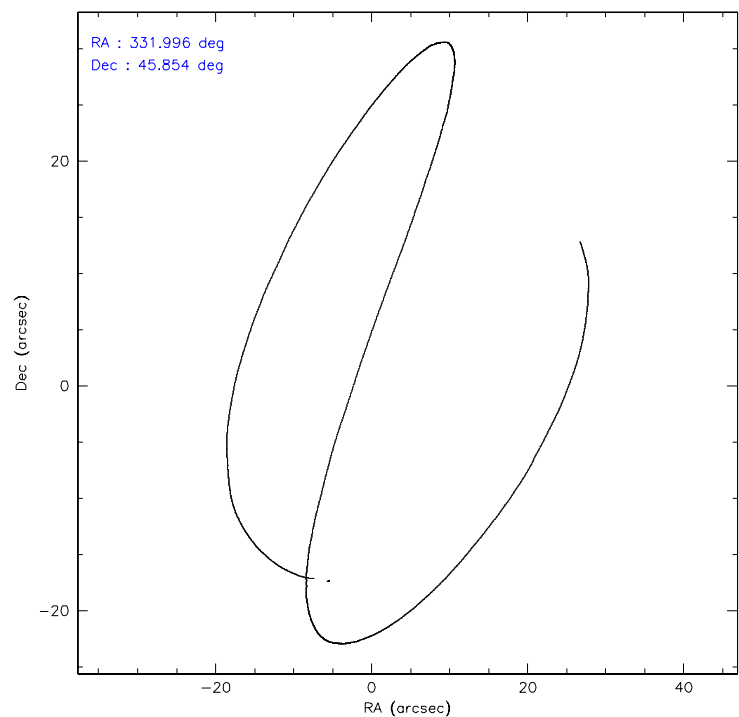
Level 1 Events

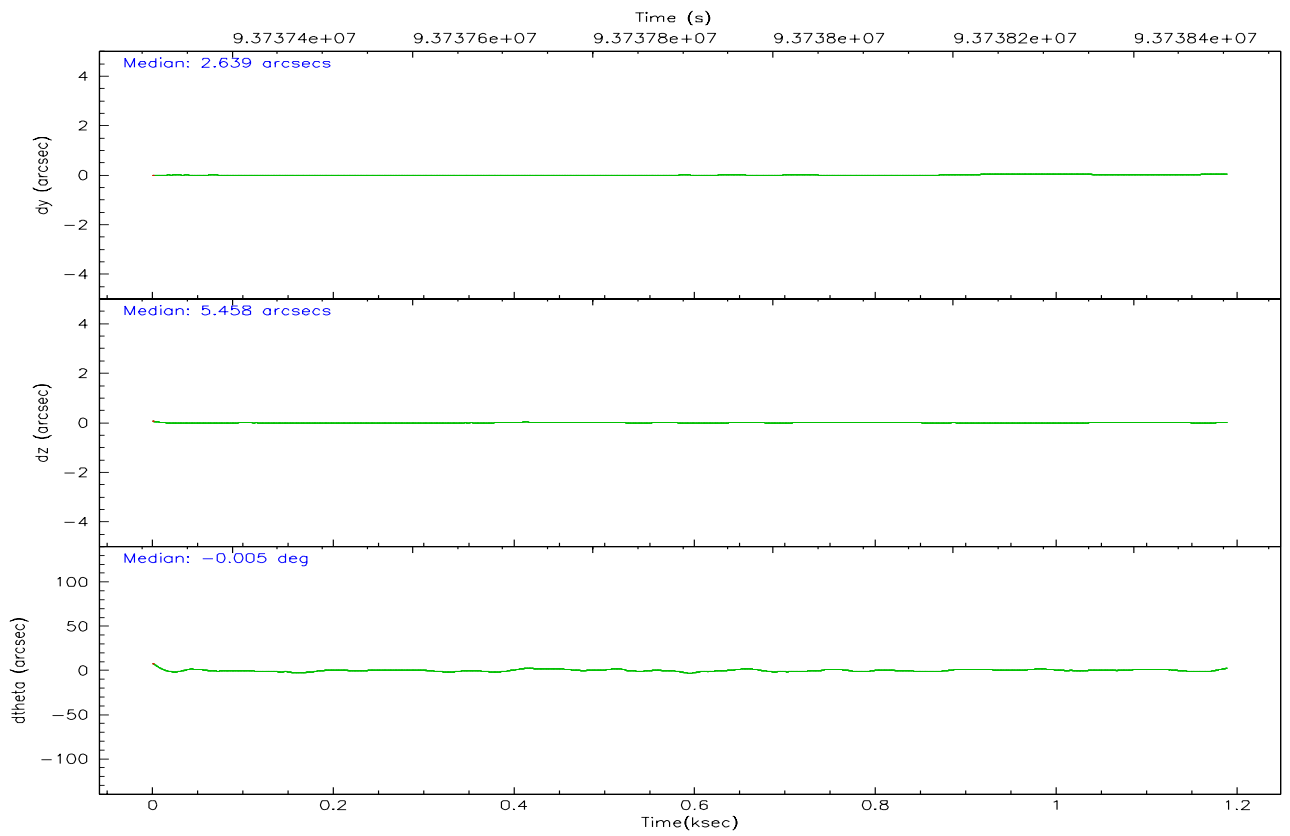
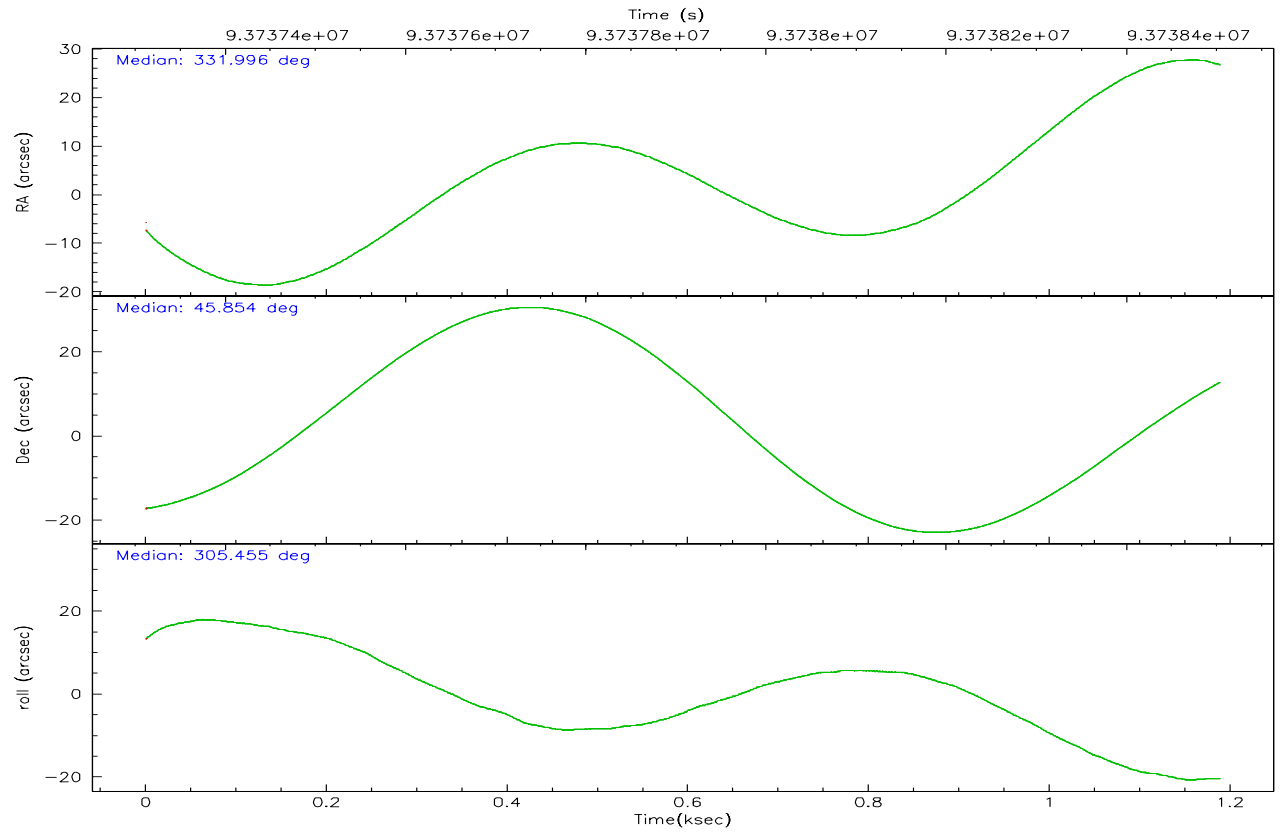
	segment 1	segment 2	segment 3
level 1 events	924	58971	959
rejected events	924	22564	959
rejected %	100%	38%	100%

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	331.958303	331.9962375599756			
Pointing Dec	45.865676	45.85456369239071			
Pointing Roll	305.423063	305.4632229638793			
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	93737502.184000	93737125.514625			
Observation start date	2000-12-20T22:10:38	2000-12-20T22:05:25			
Observation end time	93738502.184000	93738635.852182			
Observation end date	2000-12-20T22:27:18	2000-12-20T22:30:35			

2.3 Aspect



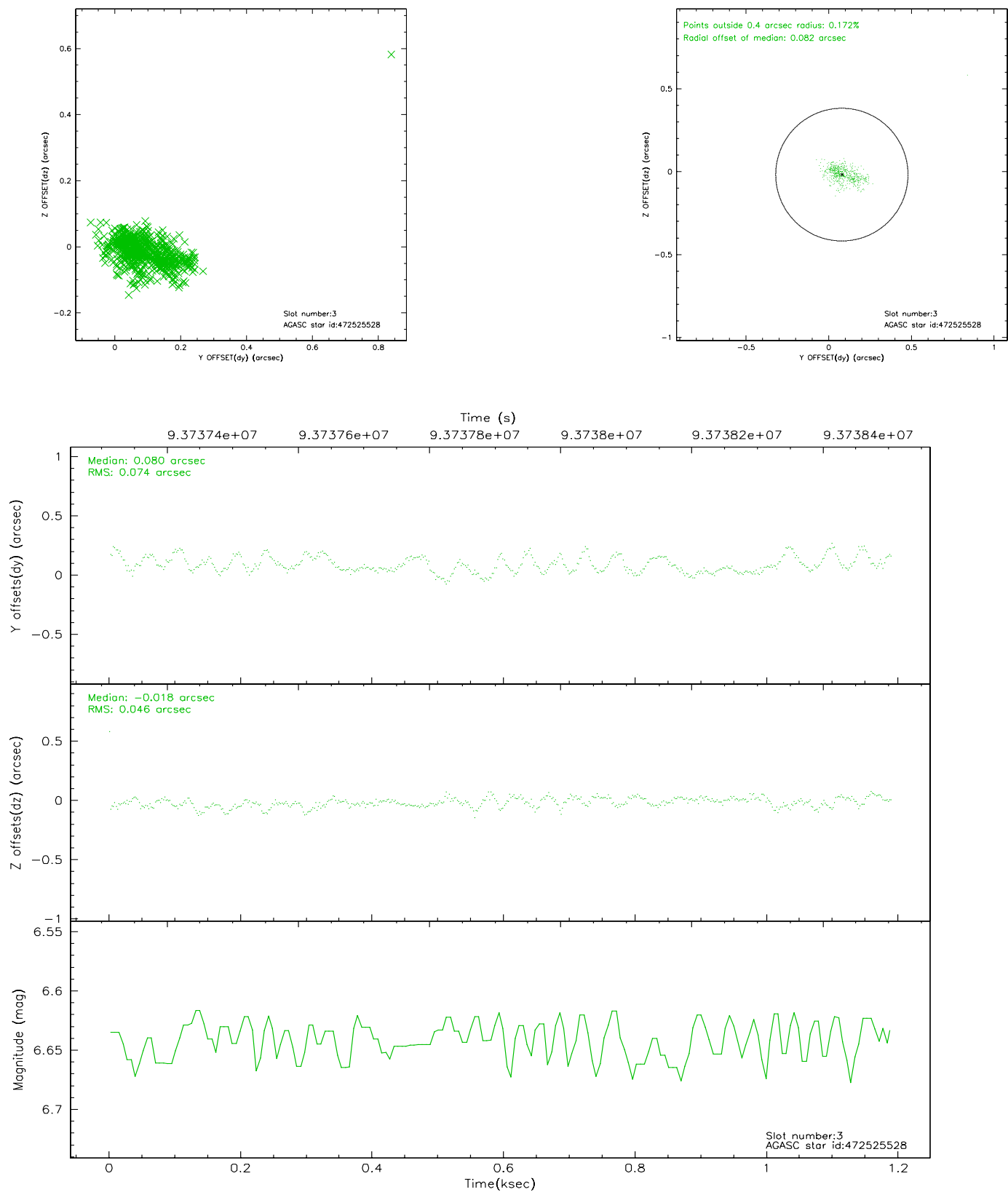


Slot Statistics

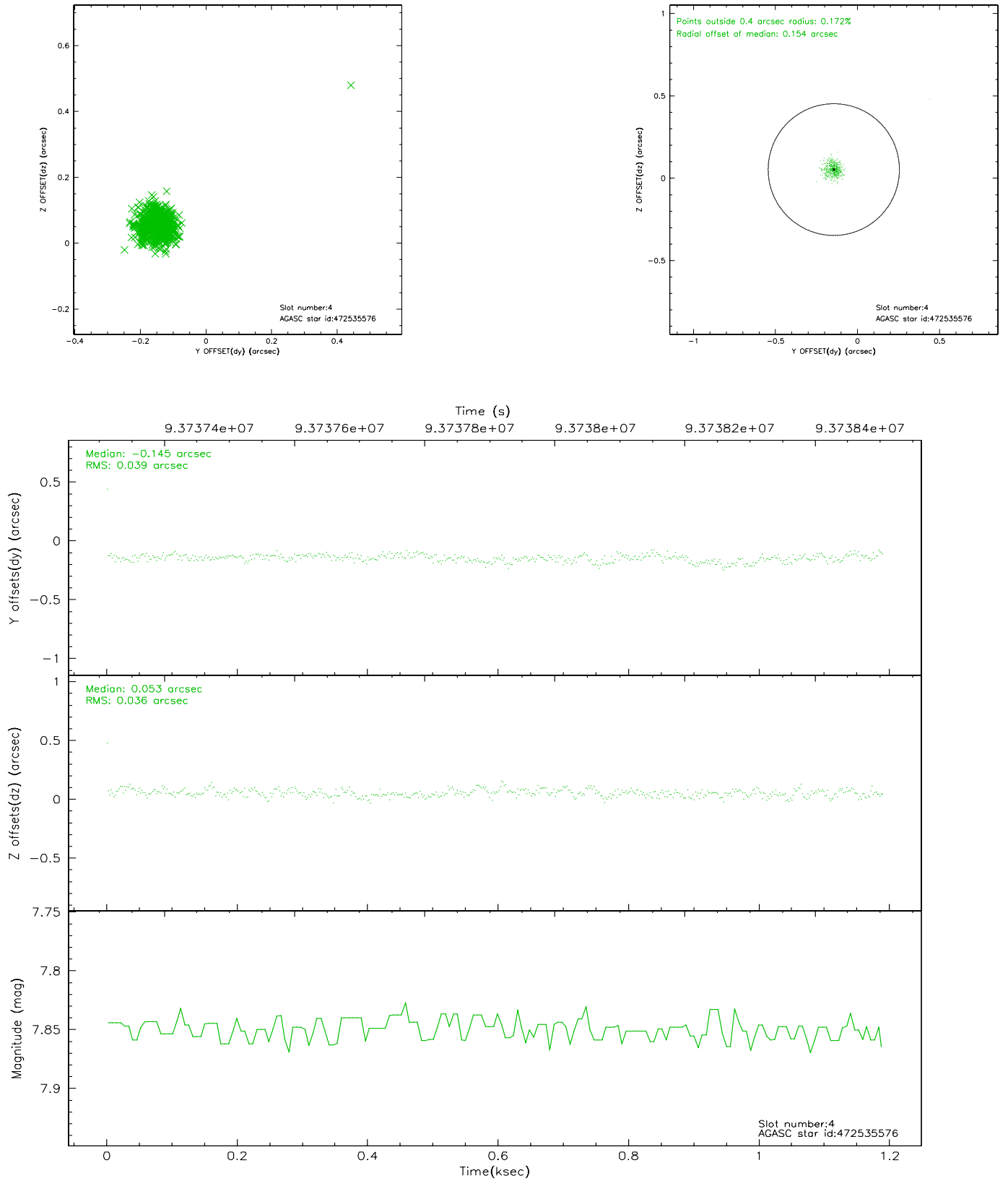
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	291	0.109	-0.157	0.007	0.011	0.000000	0.000000	-1156.69	-454.02
1	FID	HRC-S-3	6.99	291	0.152	-0.049	0.008	0.012	0.000000	0.000000	-1163.37	574.06
2	FID	HRC-S-4	6.93	291	0.126	-0.091	0.005	0.009	0.000000	0.000000	1237.56	580.16
3	GUIDE	472525528	6.64	581	0.080	-0.018	0.081	0.144	331.551102	45.248694	1209.63	-2126.04
4	GUIDE	472535576	7.85	581	-0.145	0.053	0.047	0.074	331.438373	46.291802	-2001.68	-165.52
5	GUIDE	472523760	8.23	581	0.011	-0.168	0.063	0.103	331.645363	45.403260	893.18	-1608.18
6	GUIDE	472659832	9.47	581	-0.049	0.016	0.106	0.162	332.780399	46.098139	499.62	2161.56
7	GUIDE	472655152	9.43	580	0.111	0.095	0.082	0.136	332.504239	45.862991	797.70	1117.10

2.4 Star Slots

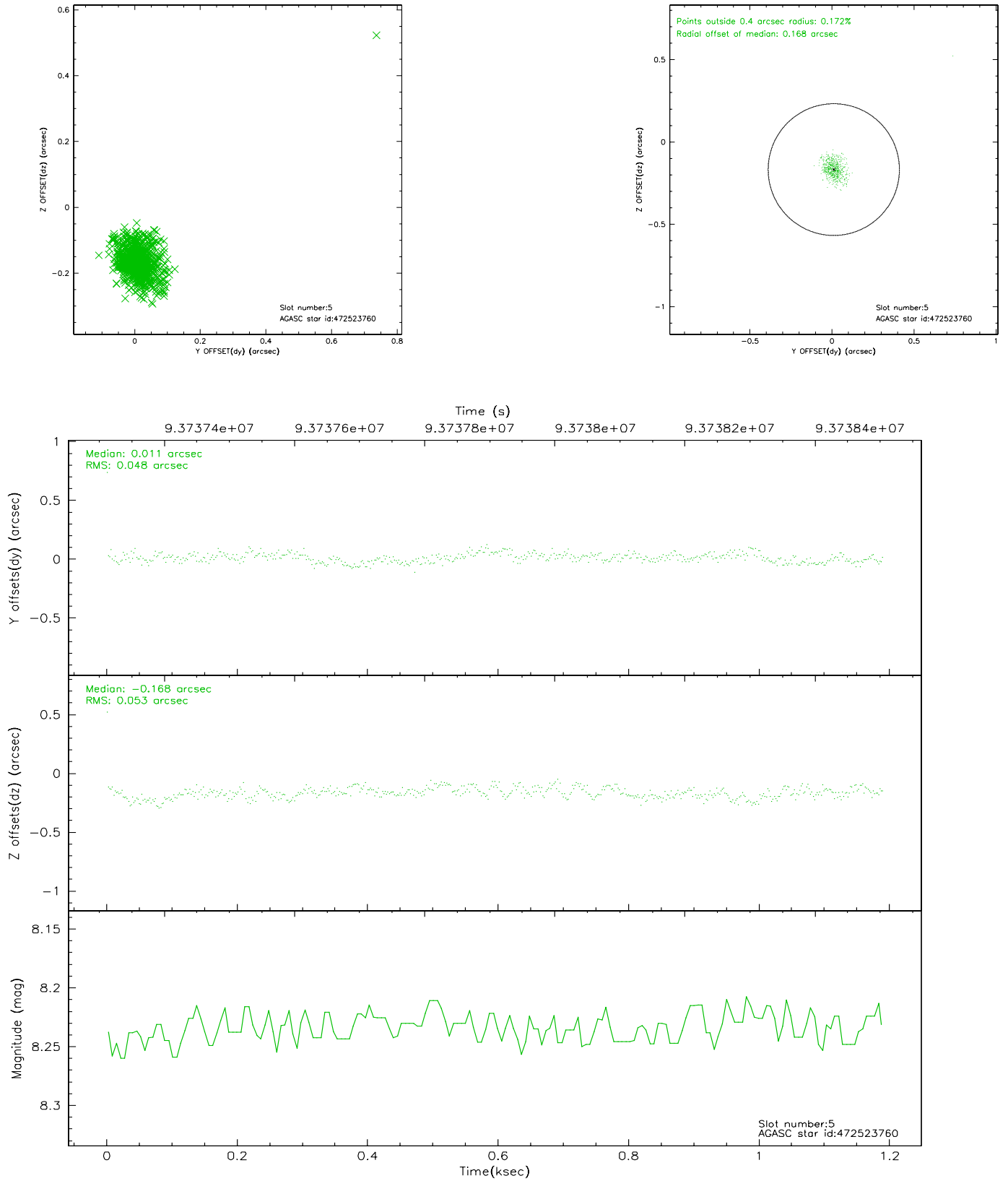
2.4.1 Slot 3



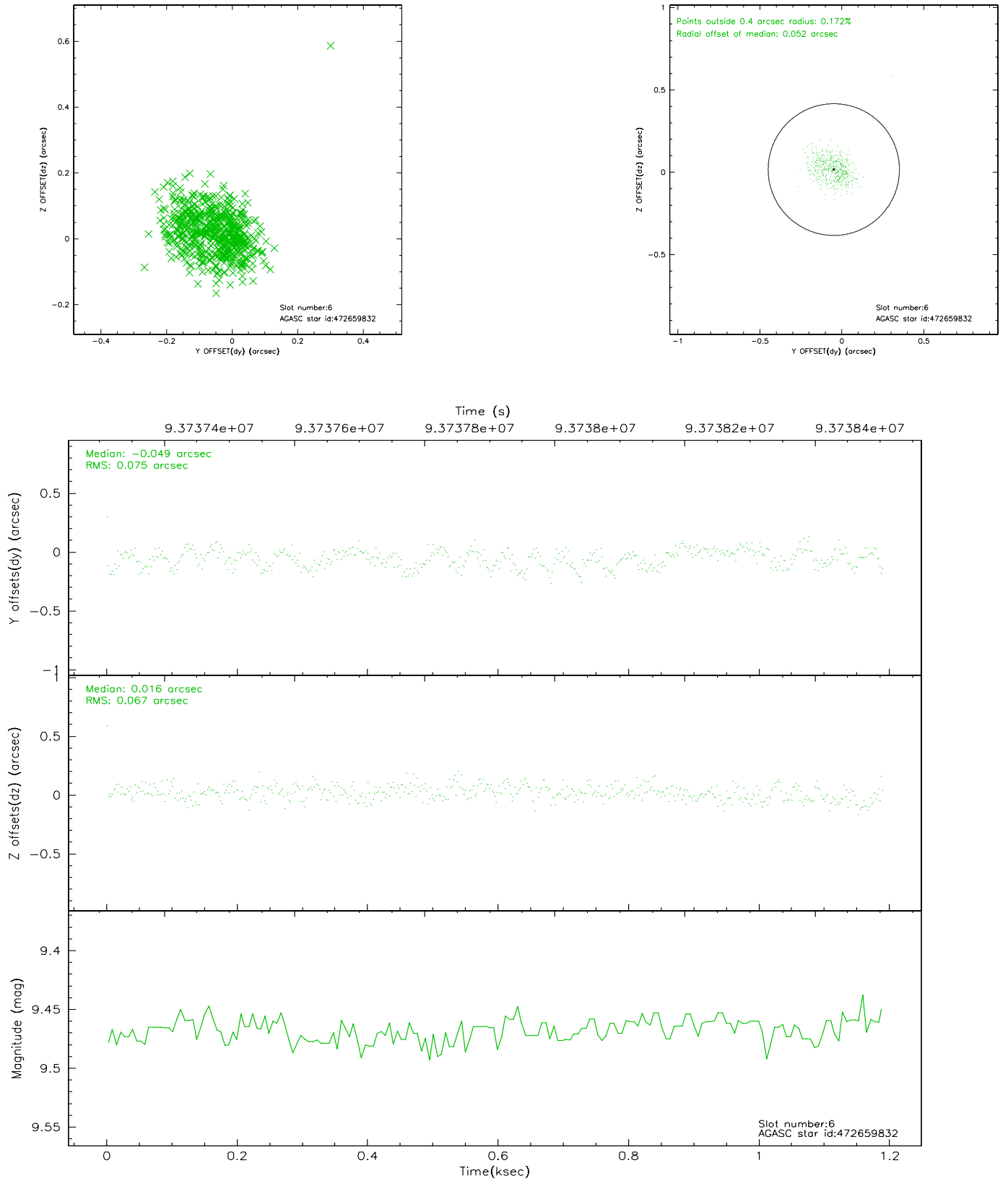
2.4.2 Slot 4



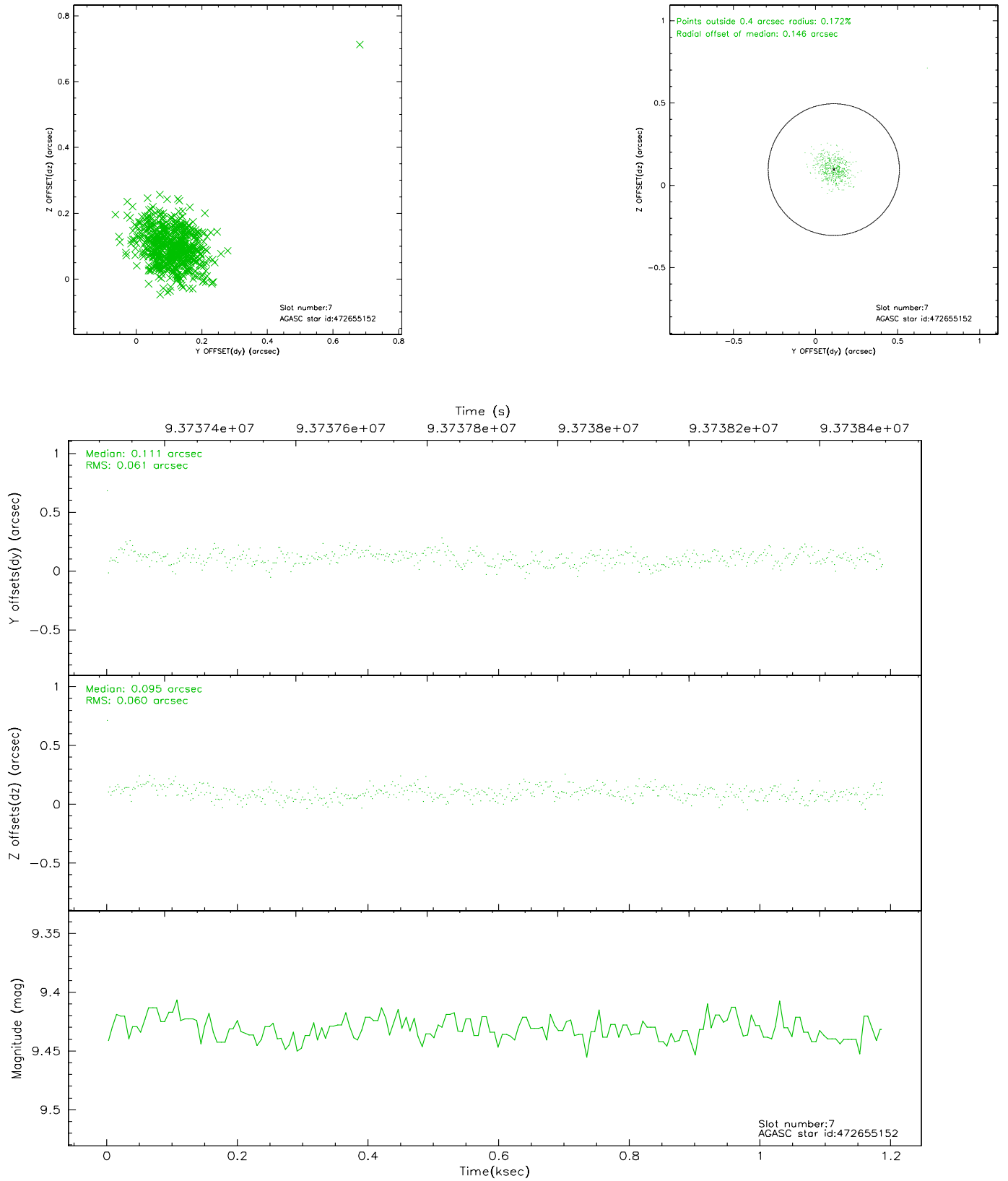
2.4.3 Slot 5



2.4.4 Slot 6

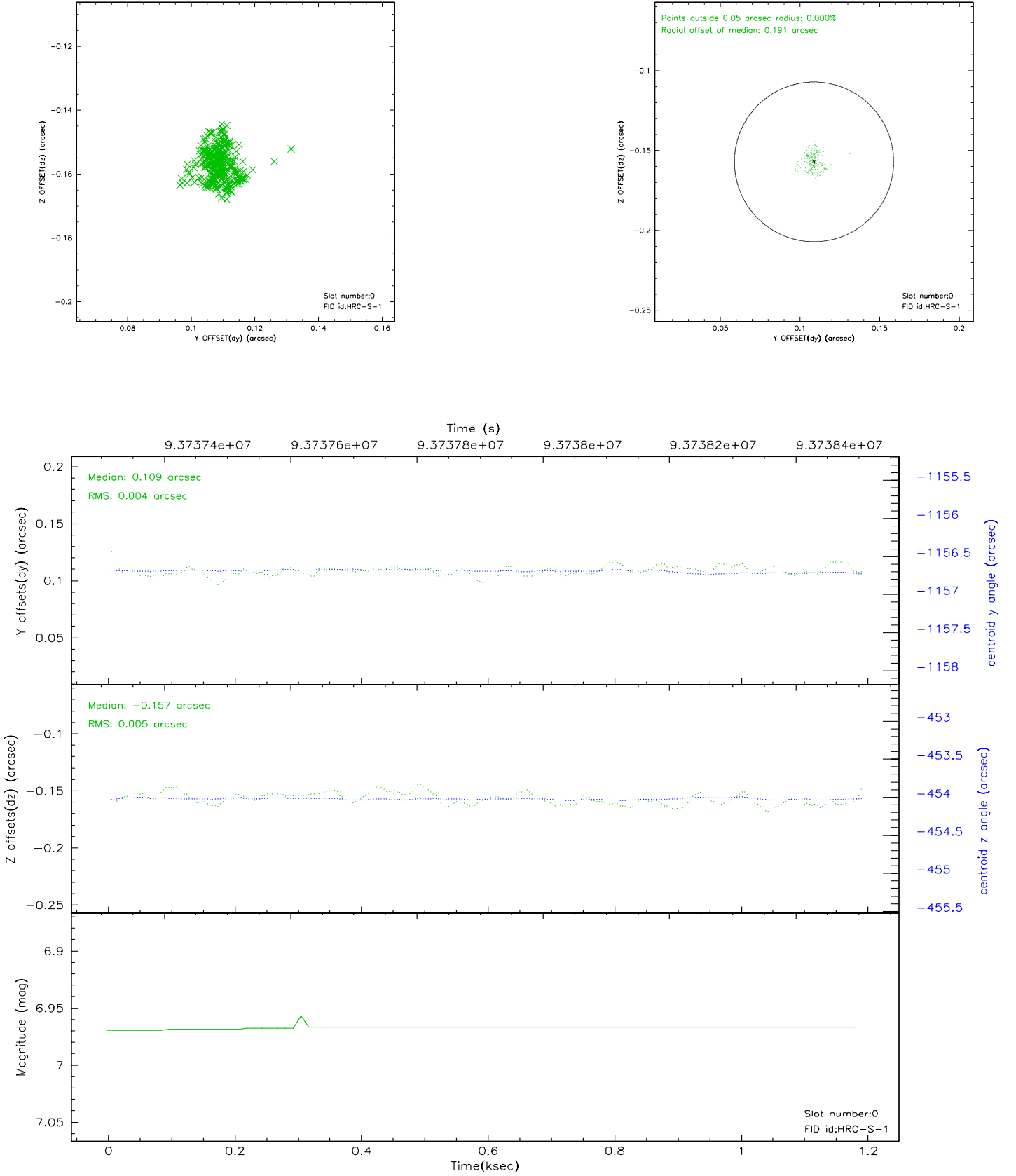


2.4.5 Slot 7

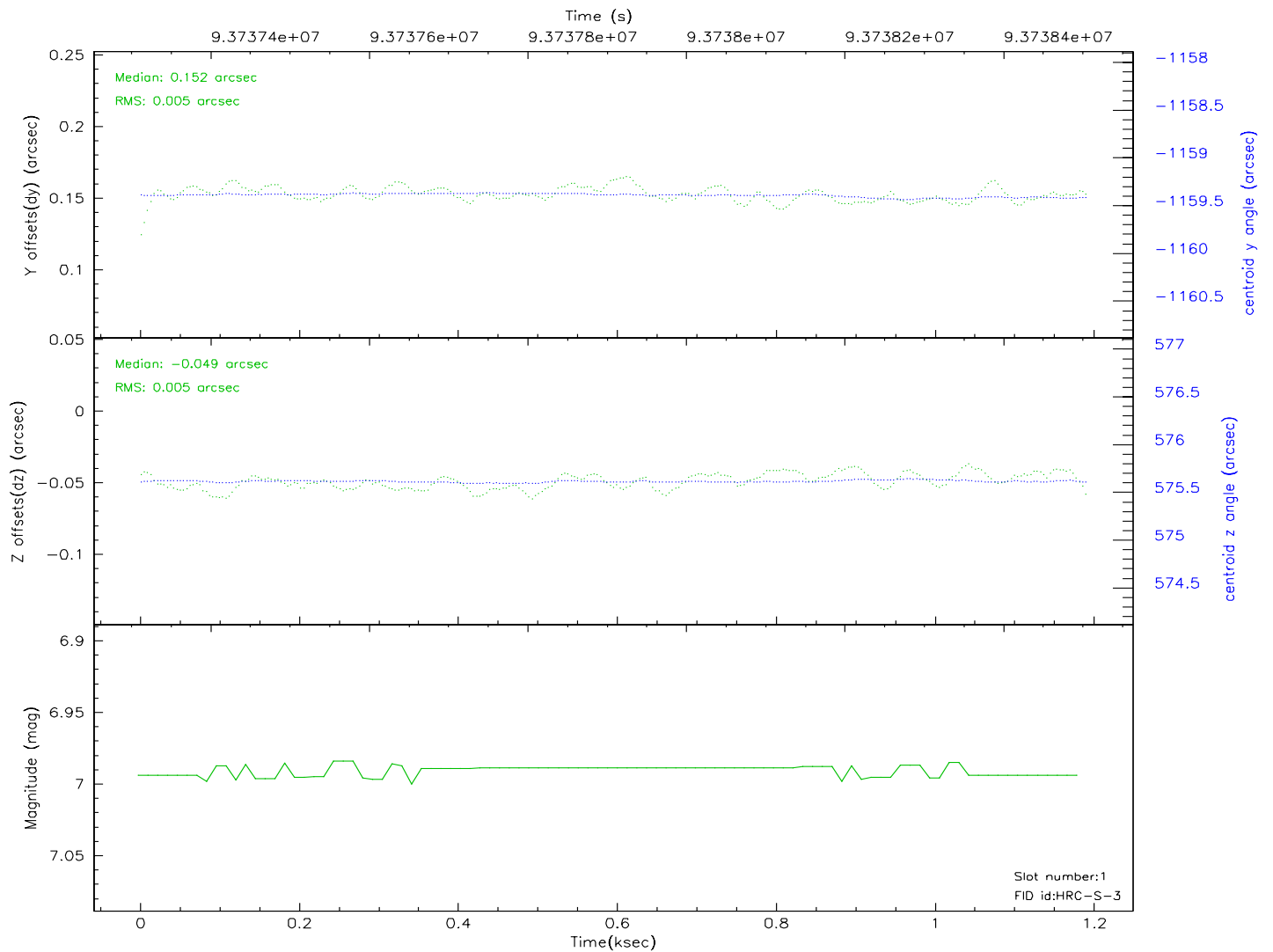
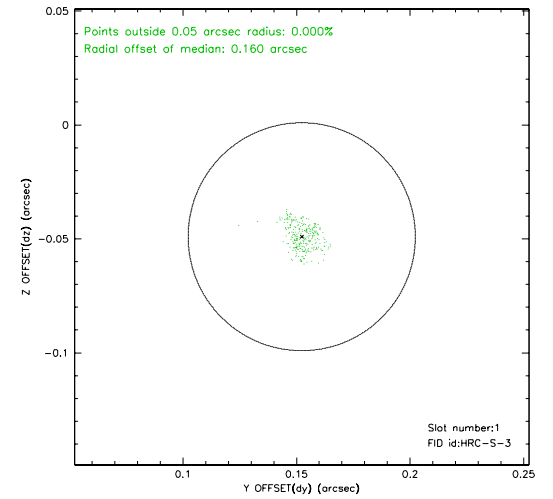
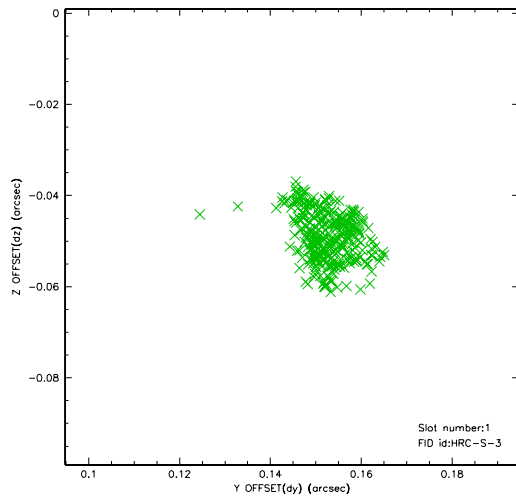


2.5 FID Slots

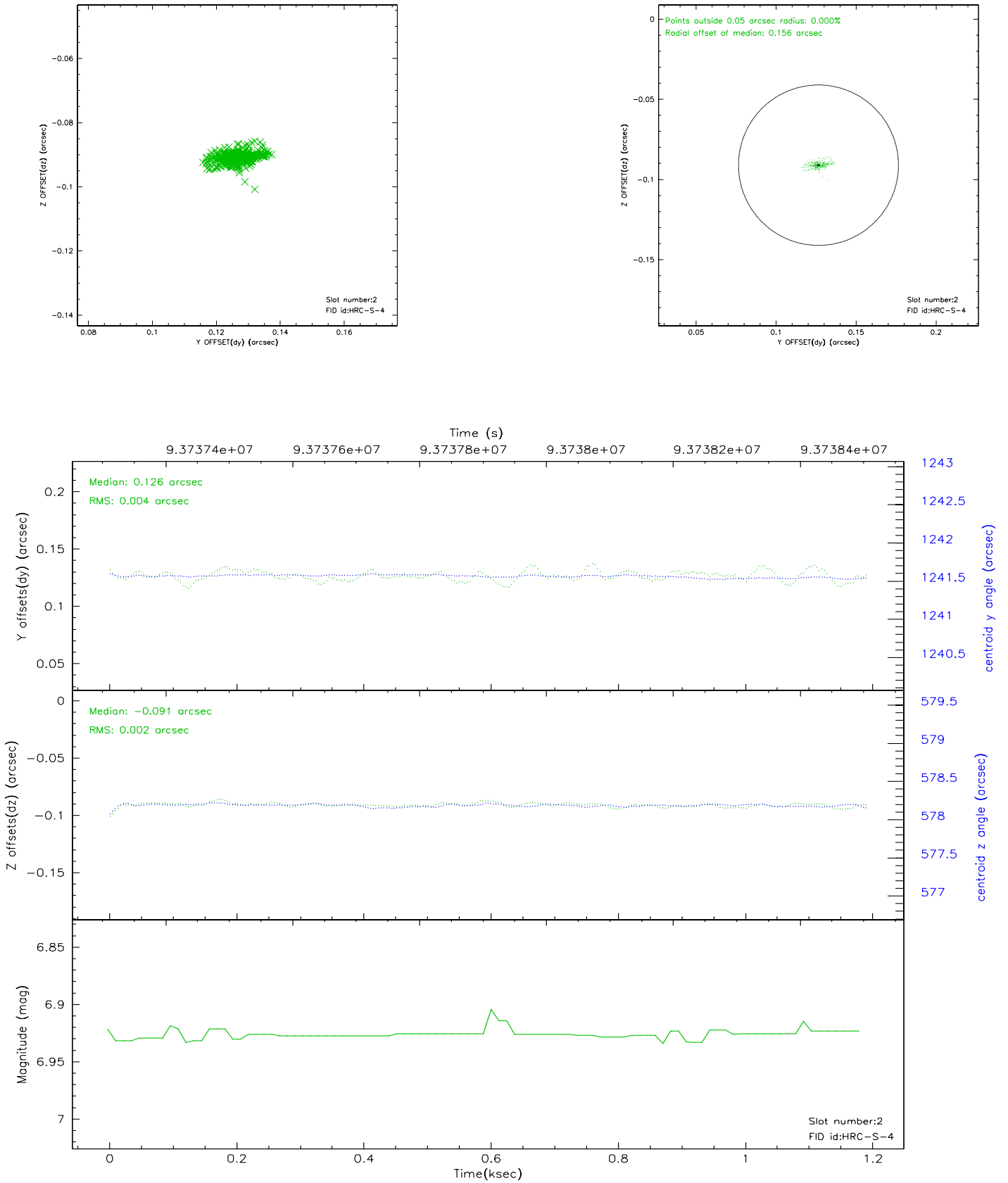
2.5.1 Slot 0



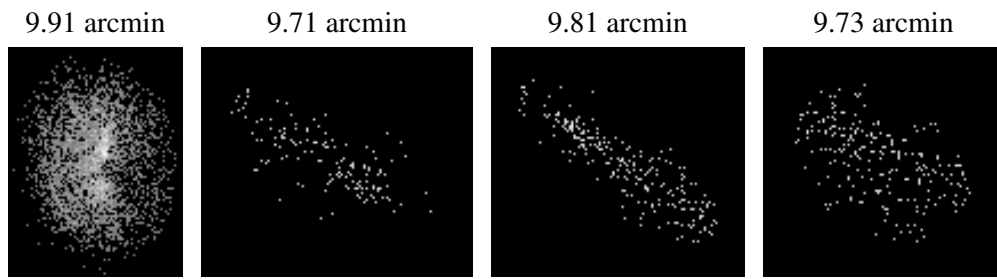
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

A.2 Comments

Charge time for this ObsId remains at previous value of 1.182 ks, although with the current processing the charge time would have been 1.14 ksec.

The tail present in obsid 2382 is a reflection from the high energy suppression filter. To remove it would require a fix to the software that removes events at specific positions of the dither pattern (positions defined where the events may reflect off the h.e.s.f. and strike the detector.