

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4300 - L2 Version 3
Chandra X-Ray Center

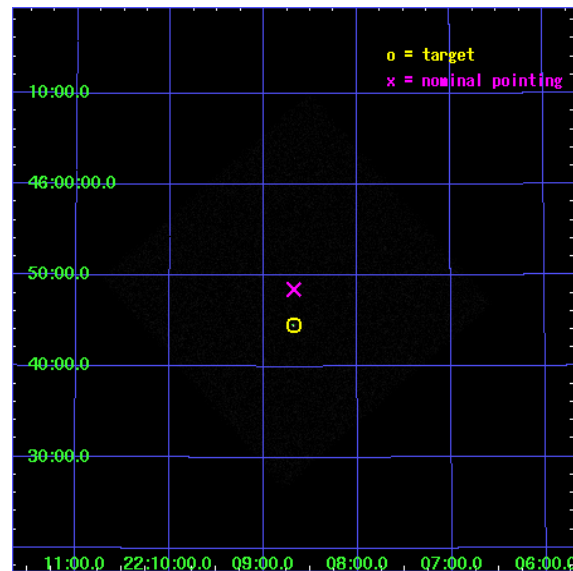
L2 Processing Date : Nov 21 2007

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1 Front

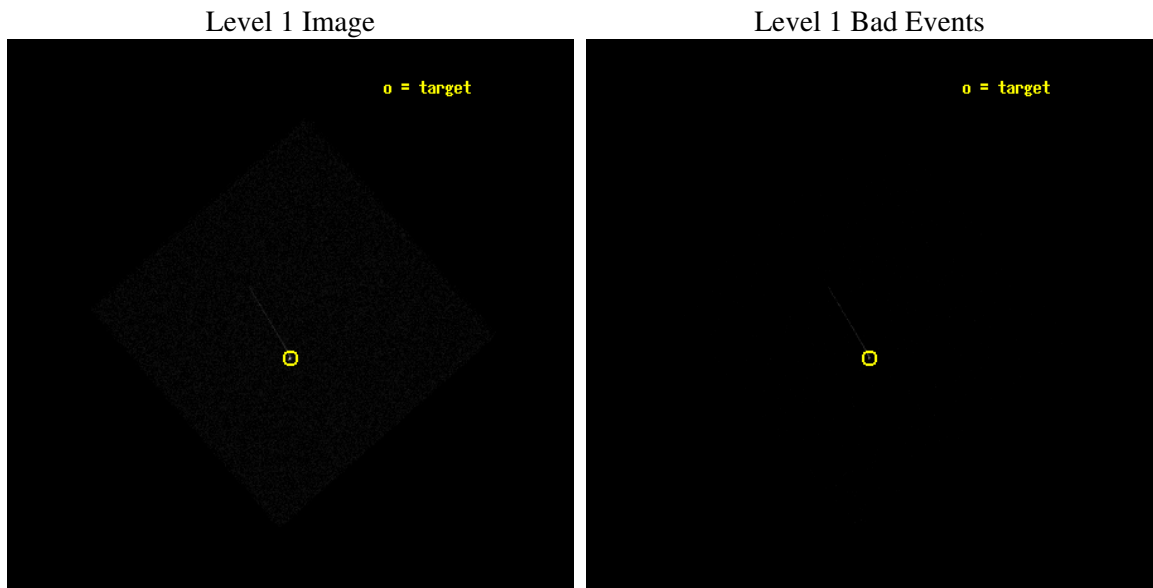
seq_num	290260
obs_id	4300
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.16902062703
dec_nom	45.808504446494
roll_nom	3.7838535324695
revision	3
ontime	1186.181299895
livetime	1179.5126326628
l2events	38644



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-22T03:09:18
revision	3

sched_exp_time	1000.000000
ontime	1186.181299895
l1events	69726

2.1.3 Events

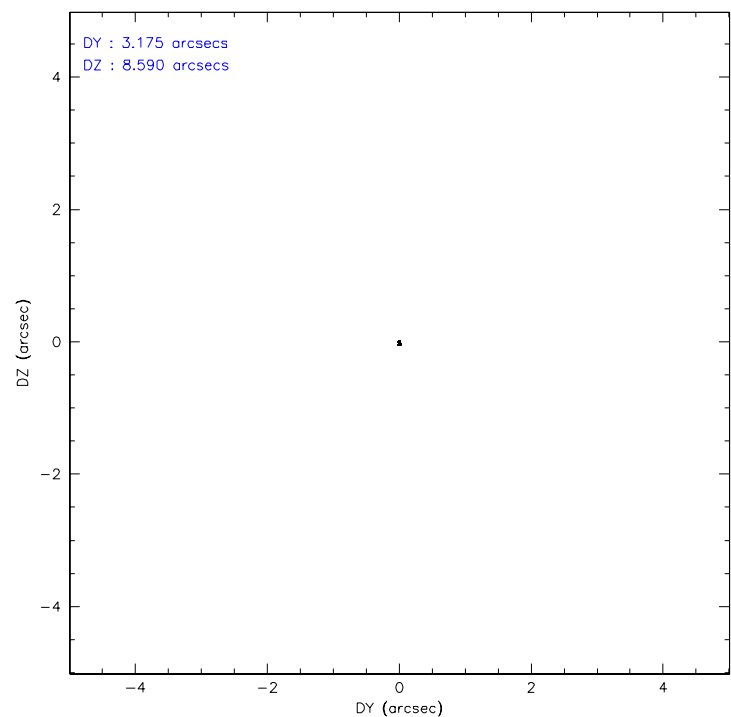
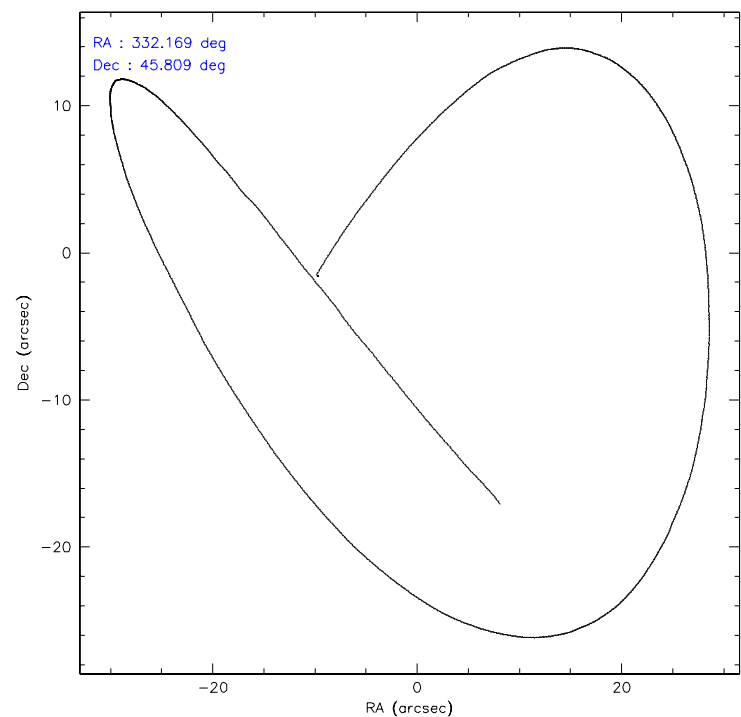
Level 1 Events

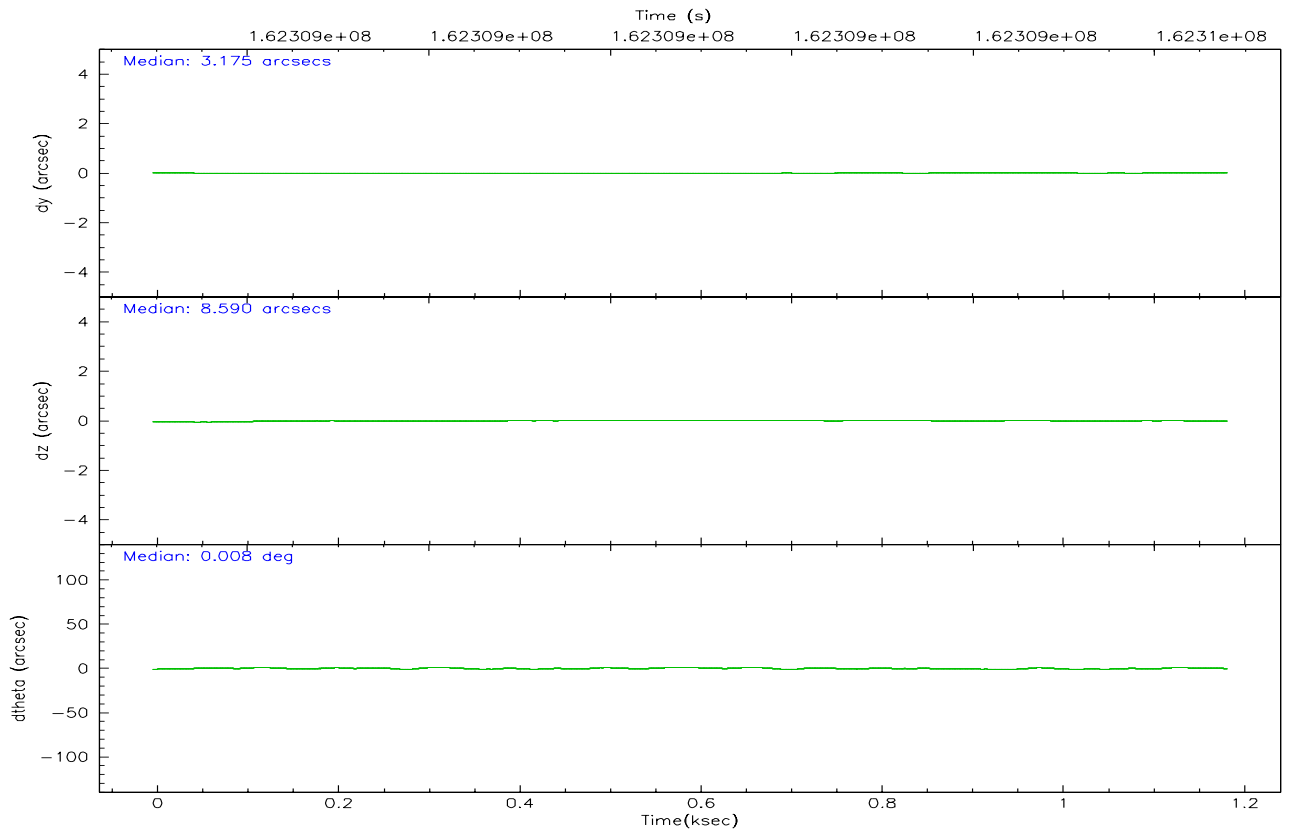
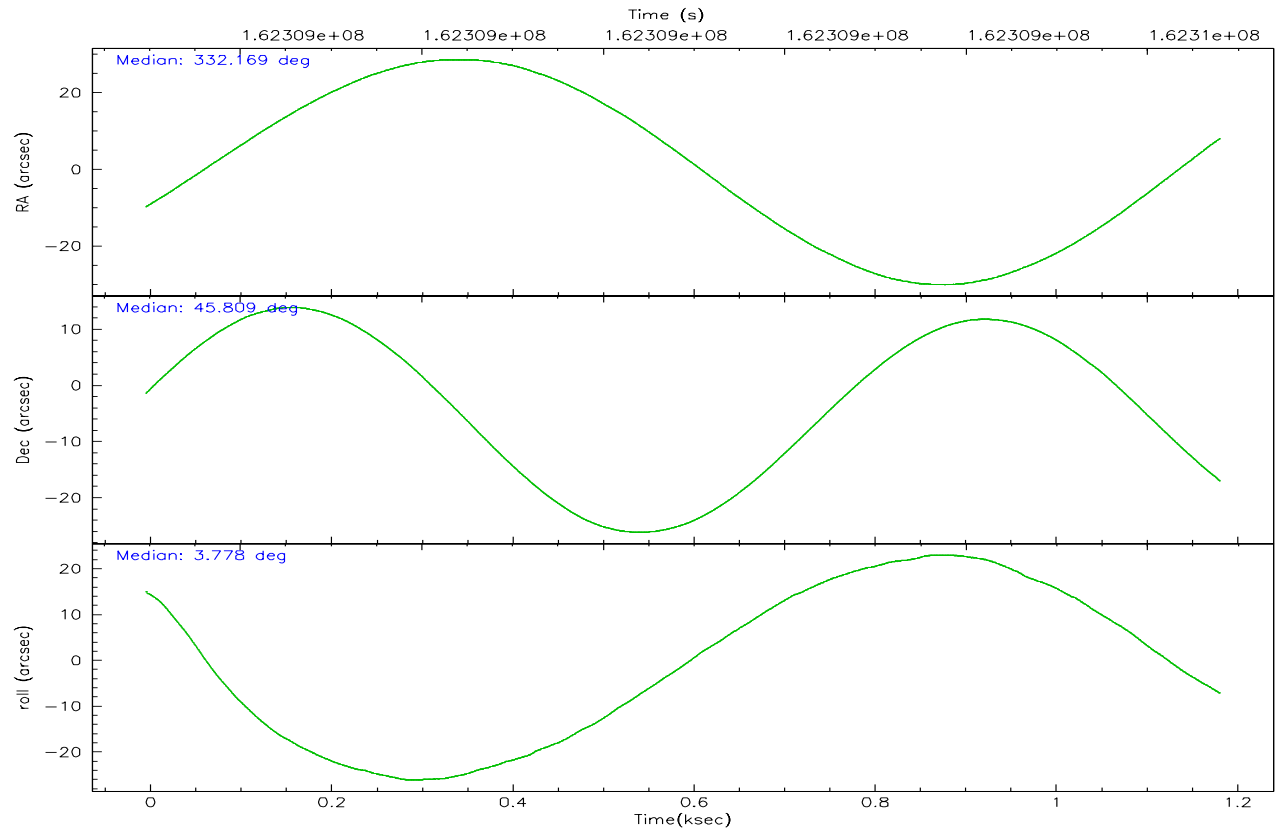
	segment 0
level 1 events	69726
rejected events	14798
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.137388	332.1690206270251			
Pointing Dec	45.791877	45.8085044464936			
Pointing Roll	3.901995	3.783853532469514			
Window start time	161697664.184000	161697664.184000			
Window stop time	165412864.184000	165412864.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	162308678.184000	162308301.92018			
Observation start date	2003-02-22T13:43:34	2003-02-22T13:38:21			
Observation end time	162309678.184000	162309811.74524			
Observation end date	2003-02-22T14:00:14	2003-02-22T14:03:31			

2.3 Aspect



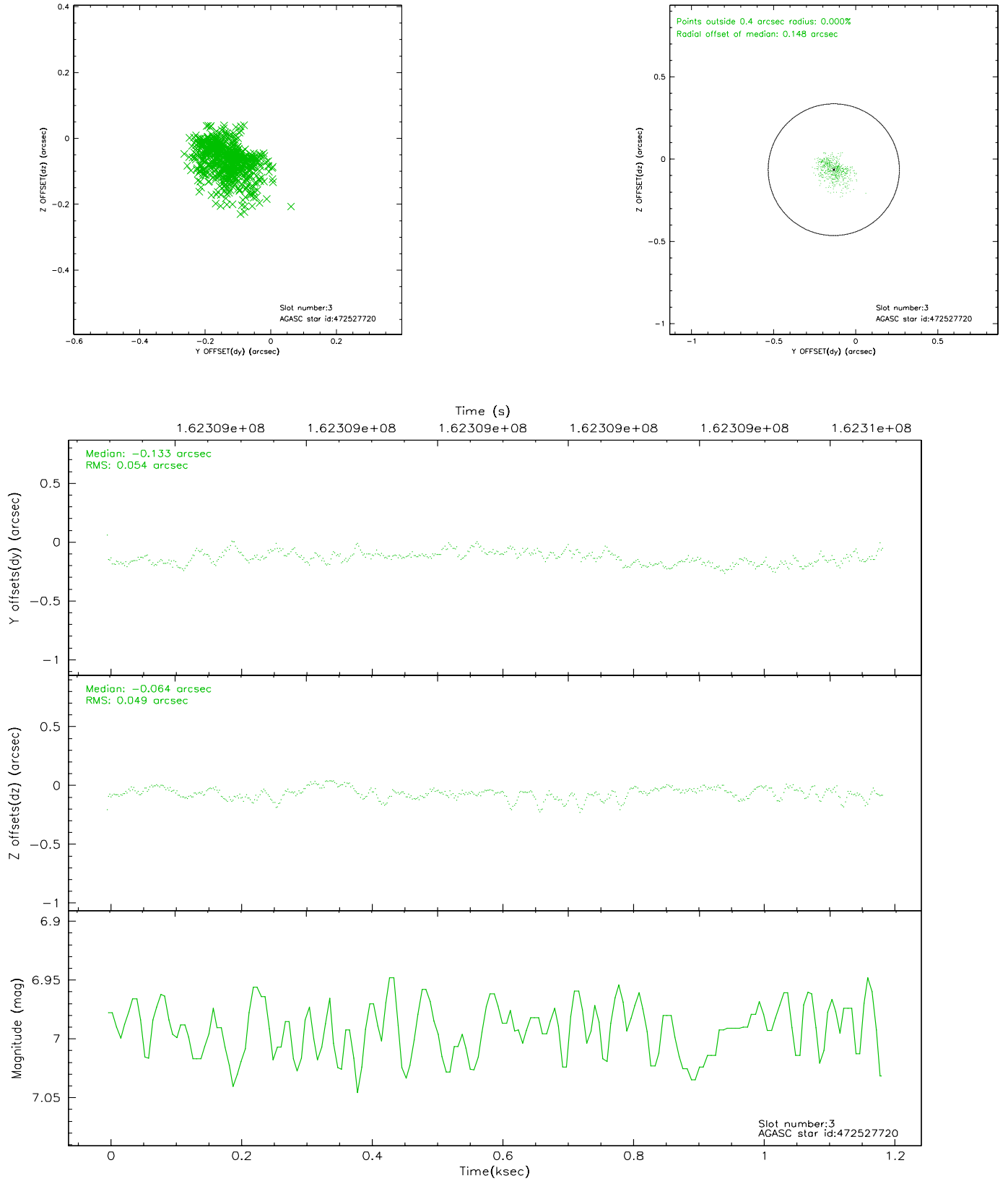


Slot Statistics

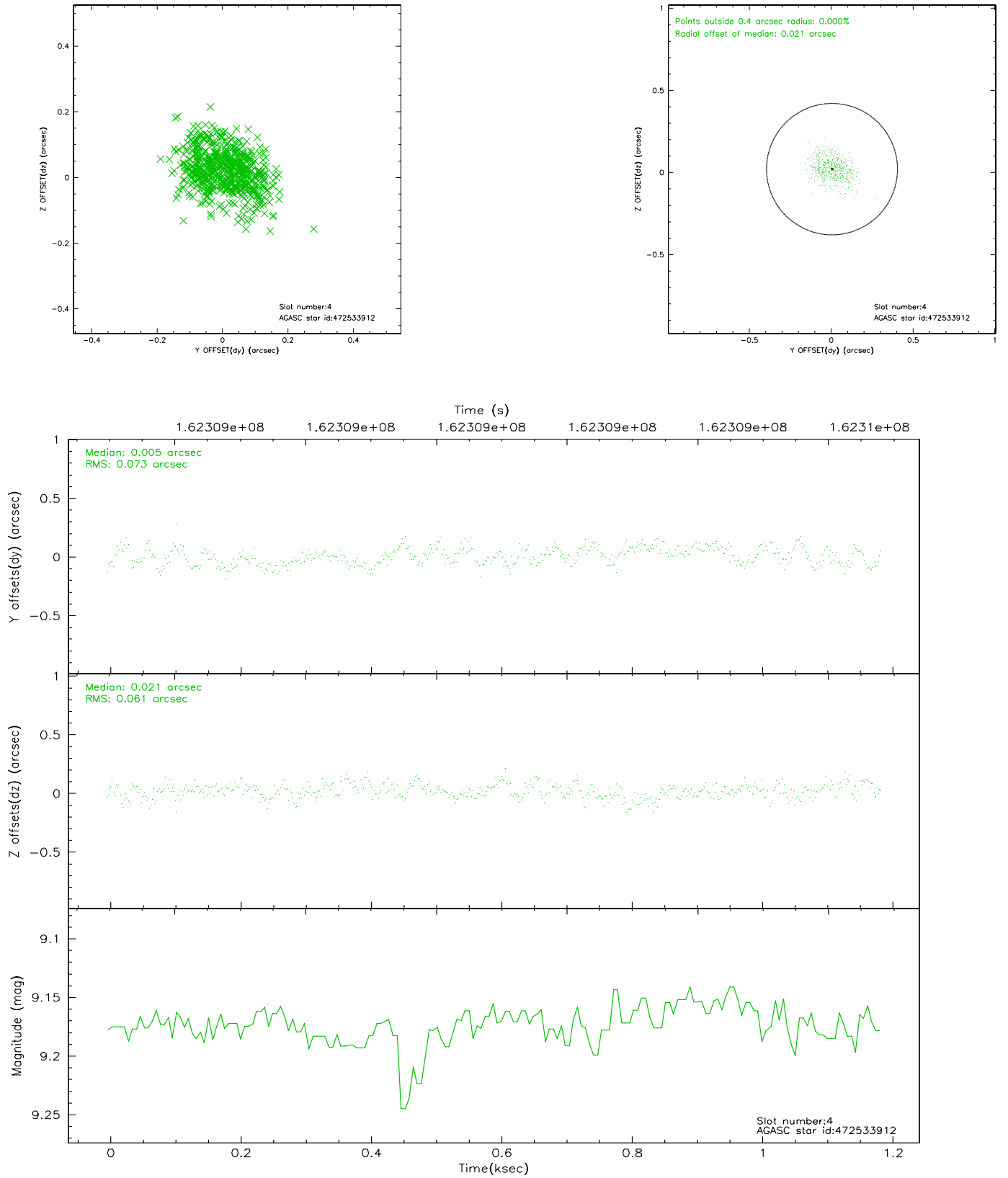
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	290	0.021	0.061	0.006	0.013	0.000000	0.000000	-758.62	-1296.47
1	FID	HRC-I-2	7.01	290	0.084	-0.080	0.006	0.011	0.000000	0.000000	851.45	-1302.64
2	FID	HRC-I-3	7.06	290	0.013	-0.070	0.006	0.014	0.000000	0.000000	-1184.19	1003.47
3	GUIDE	472527720	6.99	580	-0.133	-0.064	0.079	0.127	331.460205	45.112509	-1882.03	-2319.65
4	GUIDE	472533912	9.17	579	0.005	0.021	0.103	0.159	331.791136	46.368695	-719.87	2124.52
5	GUIDE	472655704	9.49	580	0.108	0.077	0.111	0.179	332.167195	45.285228	-49.39	-1824.67
6	GUIDE	472659832	9.46	578	0.089	0.055	0.103	0.166	332.780399	46.098139	1677.18	990.71
7	GUIDE	472523760	8.24	579	-0.069	-0.079	0.071	0.114	331.645363	45.403260	-1332.44	-1309.48

2.4 Star Slots

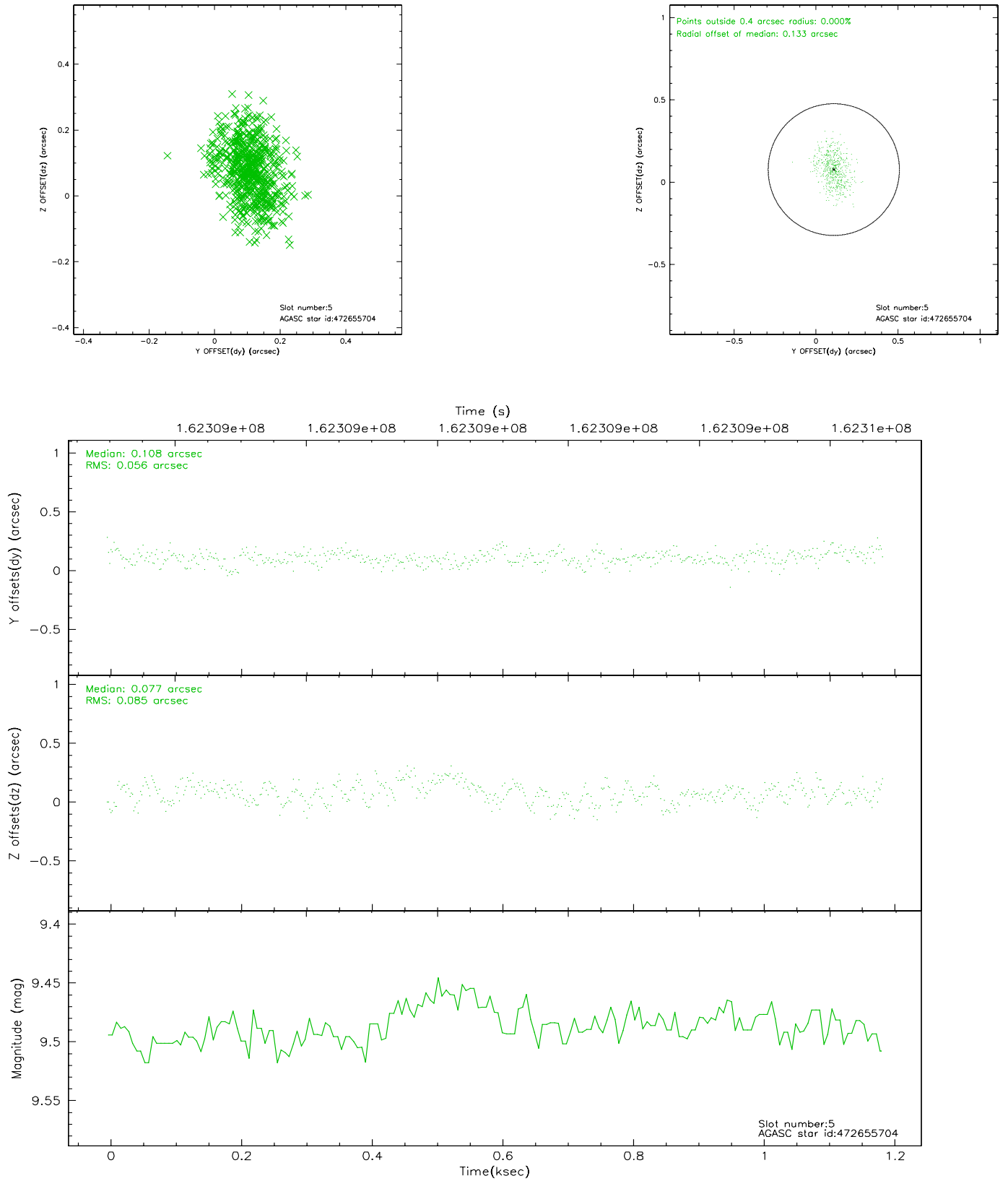
2.4.1 Slot 3



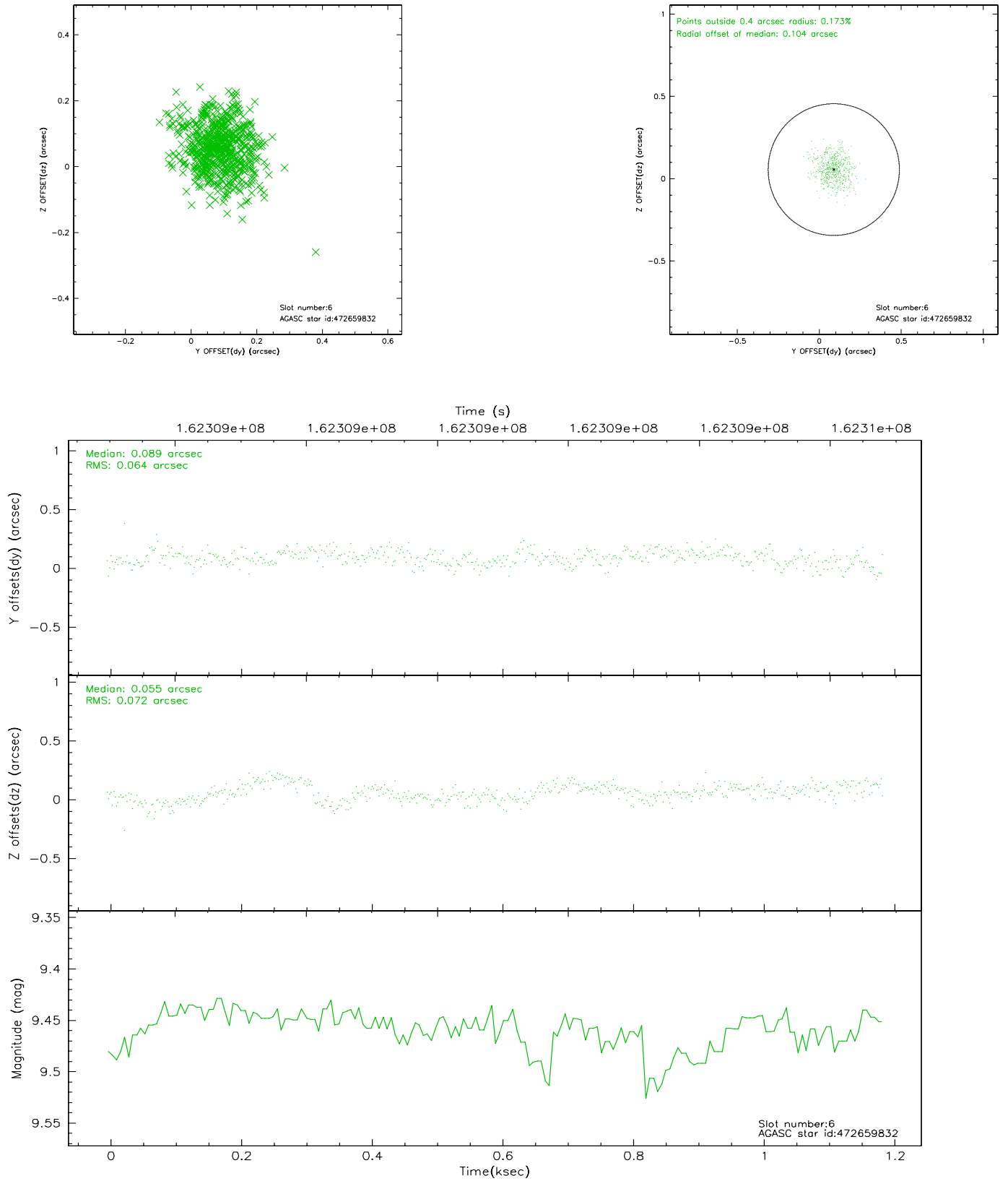
2.4.2 Slot 4



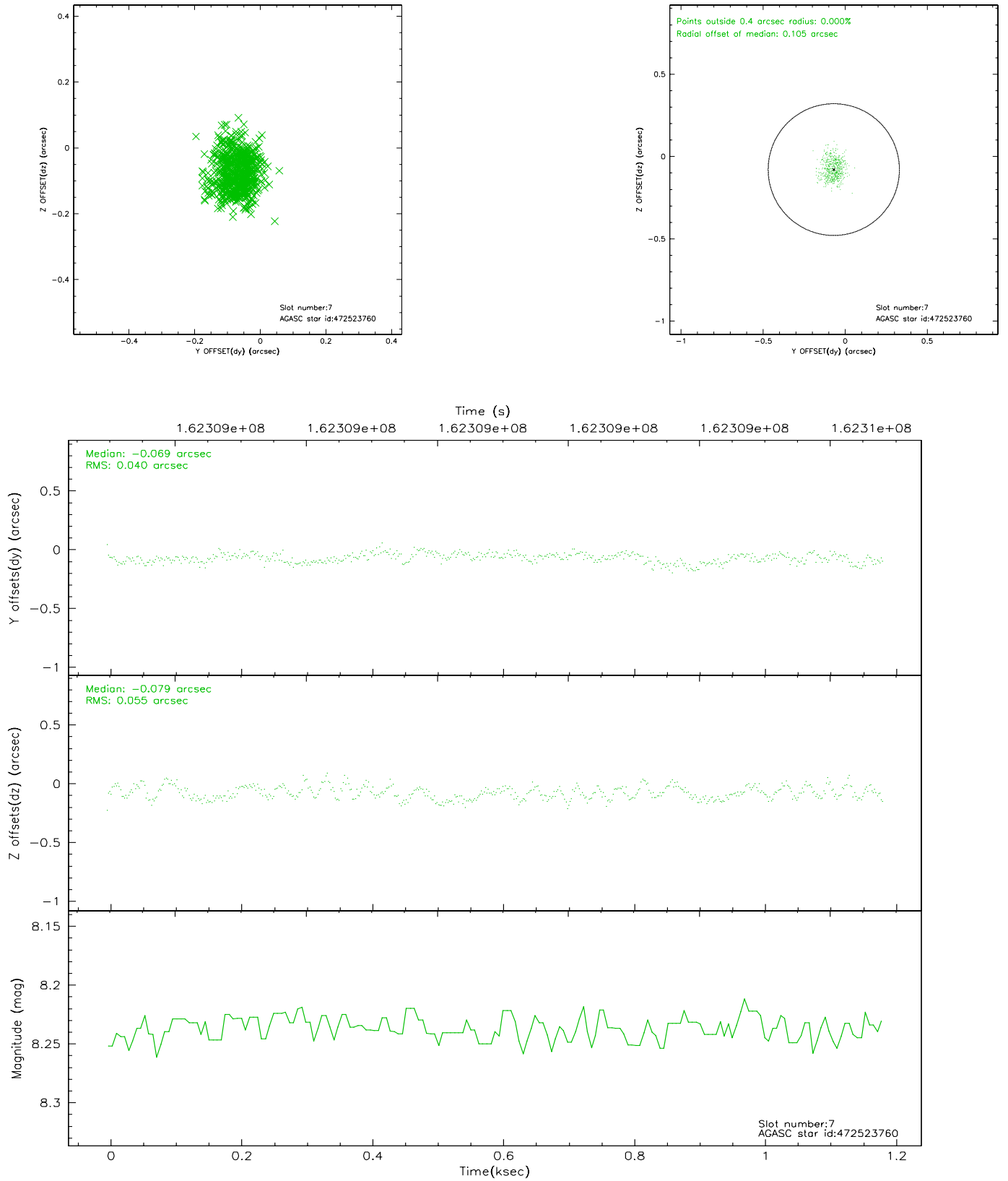
2.4.3 Slot 5



2.4.4 Slot 6

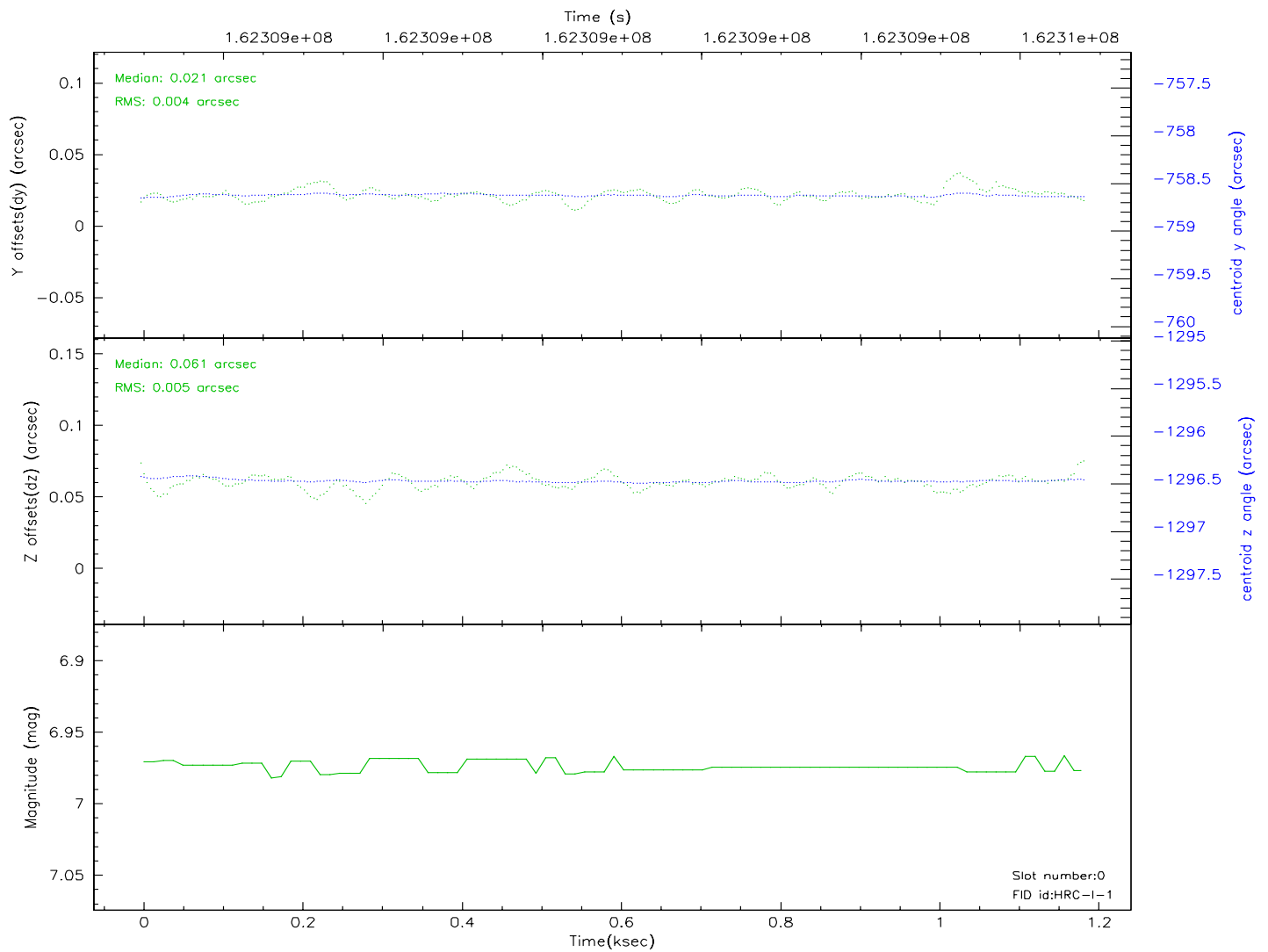
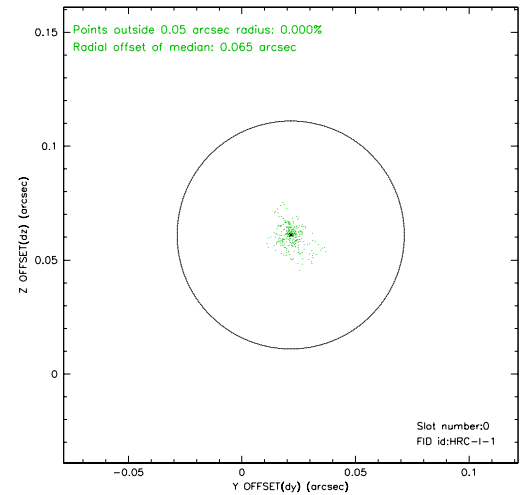
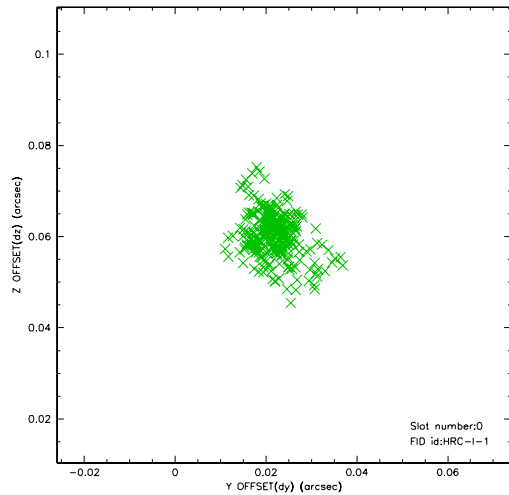


2.4.5 Slot 7

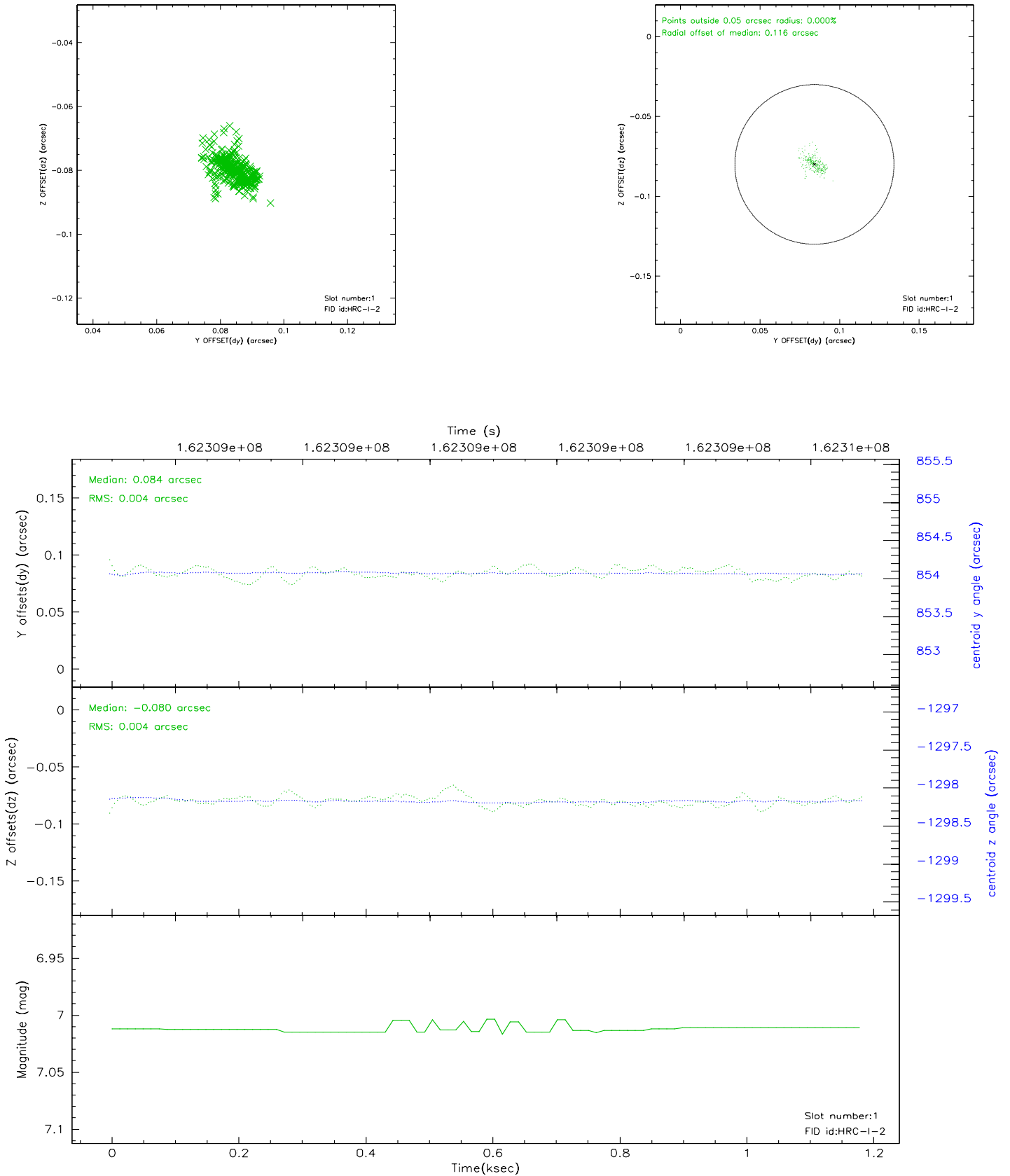


2.5 FID Slots

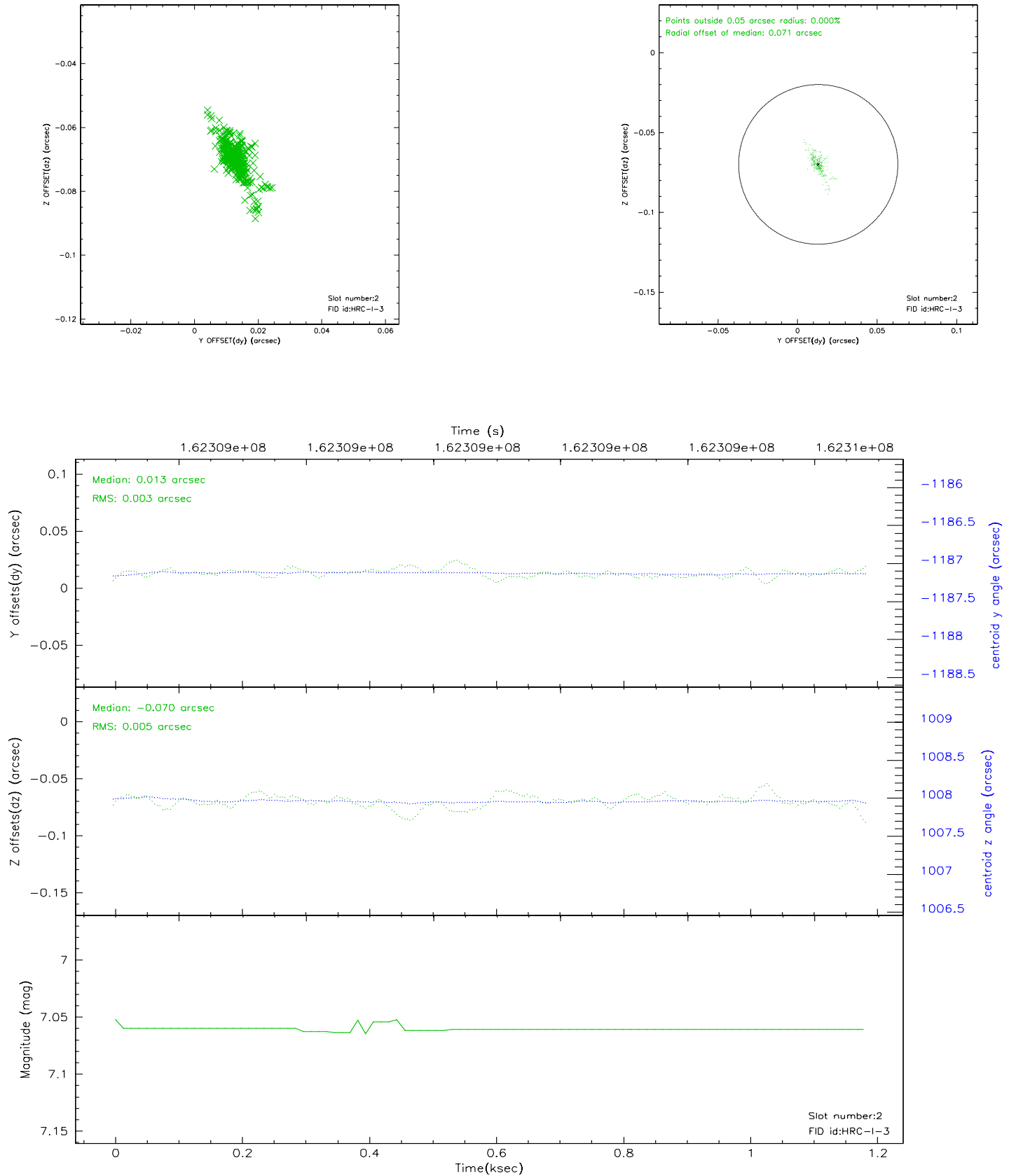
2.5.1 Slot 0



2.5.2 Slot 1

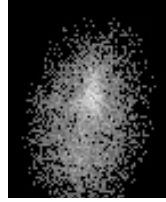


2.5.3 Slot 2



3 Point Sources

3.96 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.186

A.2 Comments

Window constraint met.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.