

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4301 - L2 Version 3
Chandra X-Ray Center

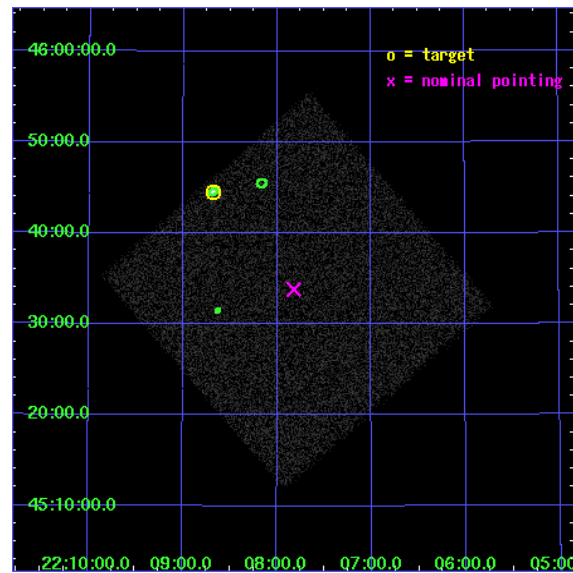
L2 Processing Date : Nov 21 2007

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1 Front

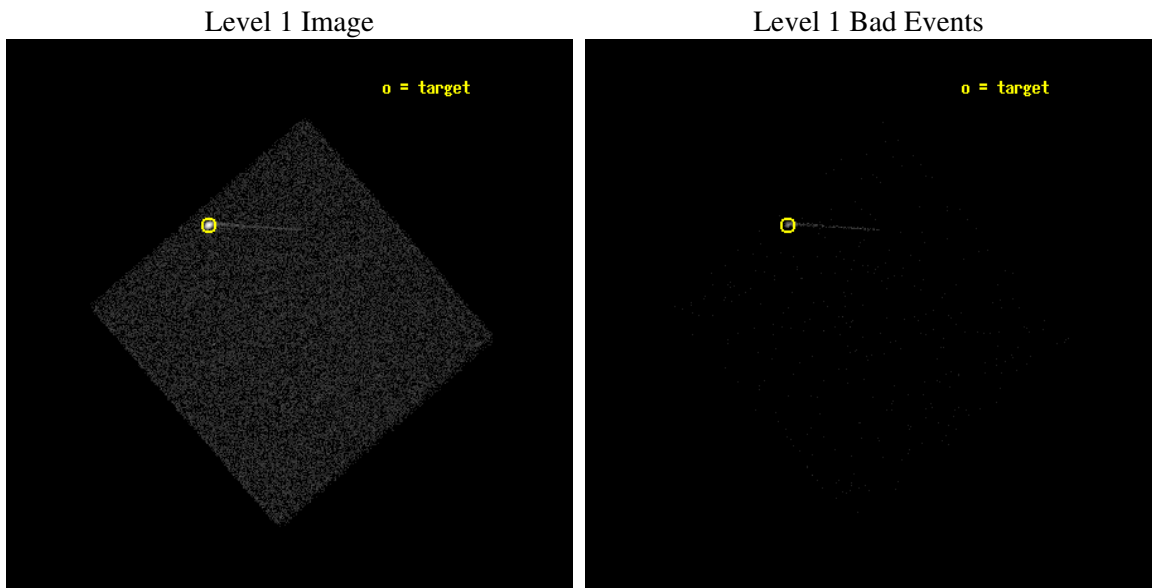
seq_num	290261
obs_id	4301
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.95511699176
dec_nom	45.563982990643
roll_nom	4.0698731794353
revision	3
ontime	1182.0812996924
livetime	1175.5713459915
l2events	36948



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	2007-11-22T03:09:36
revision	3

sched_exp_time	1000.000000
ontime	1182.0812996924
l1events	67257

2.1.3 Events

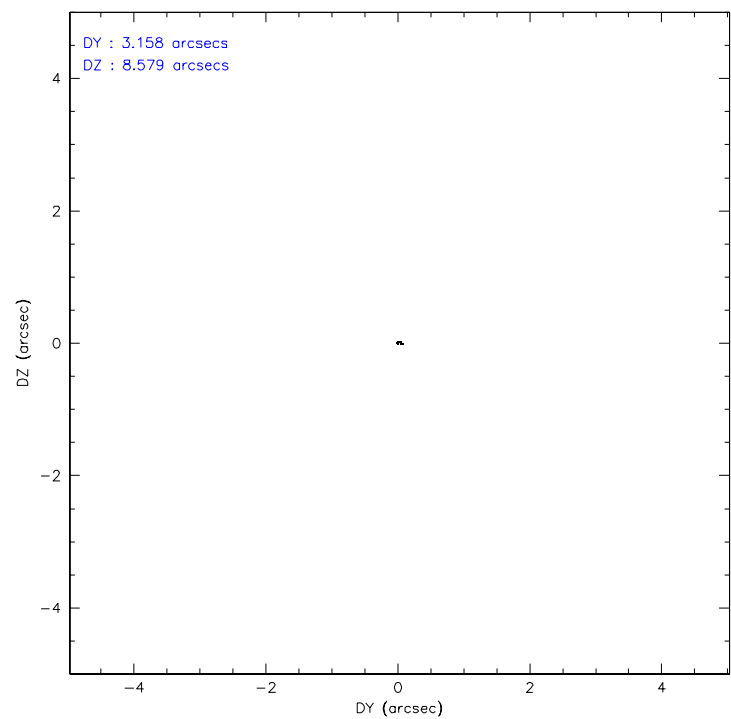
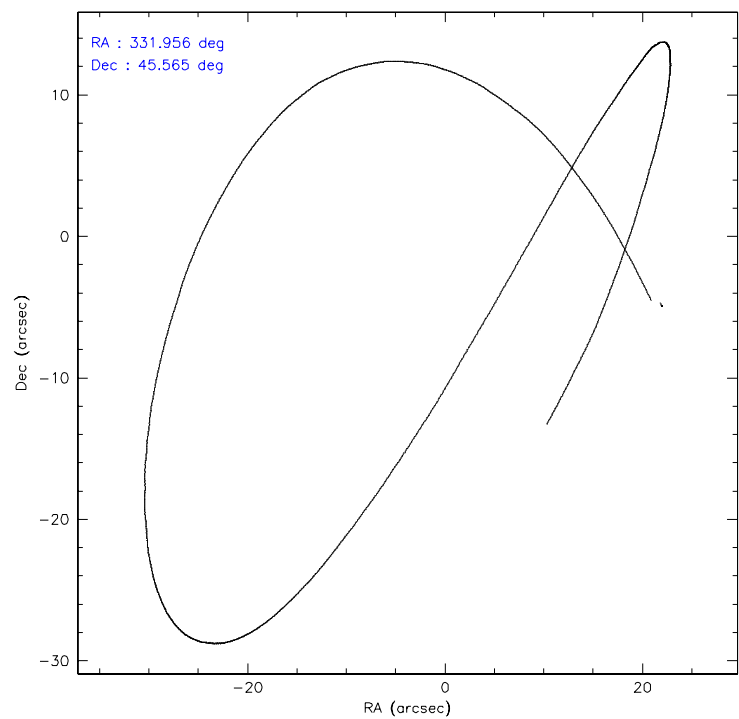
Level 1 Events

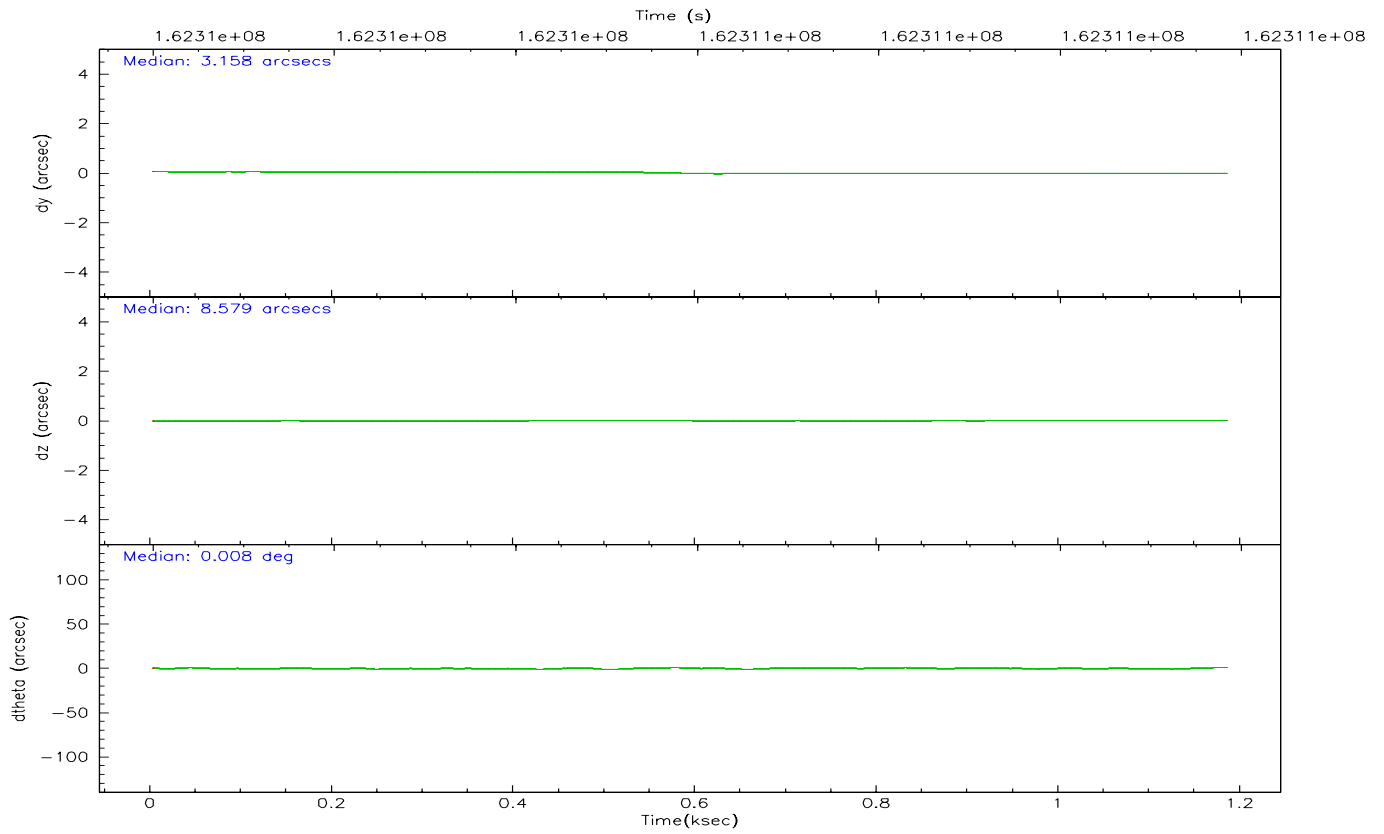
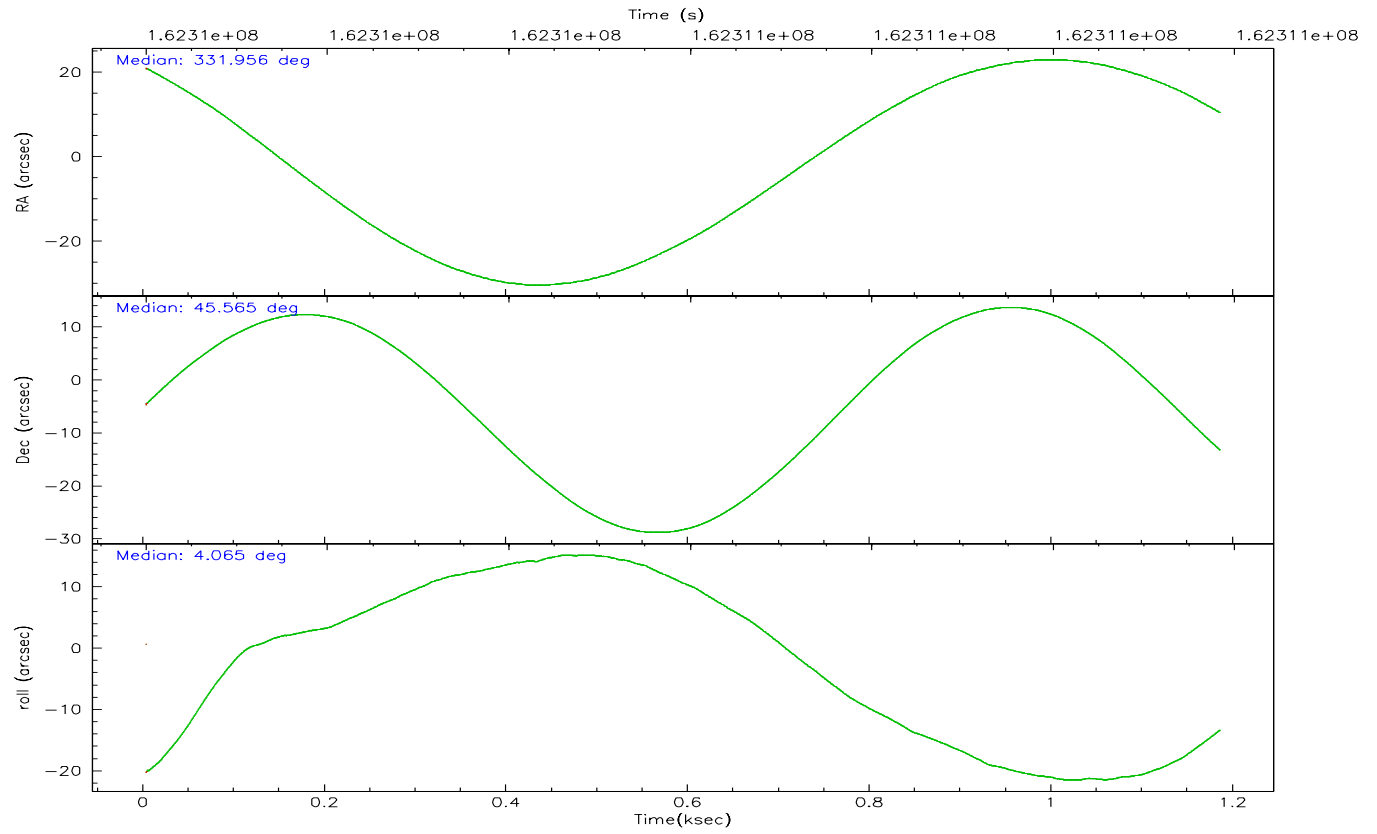
	segment 0
level 1 events	67257
rejected events	14590
rejected %	21%

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	331.923283	331.9551169917615			
Pointing Dec	45.547135	45.5639829906428			
Pointing Roll	4.188079	4.069873179435264			
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	162310188.184000	162309811.74524			
Observation start date	2003-02-22T14:08:44	2003-02-22T14:03:31			
Observation end time	162311188.184000	162311321.5703			
Observation end date	2003-02-22T14:25:24	2003-02-22T14:28:41			

2.3 Aspect



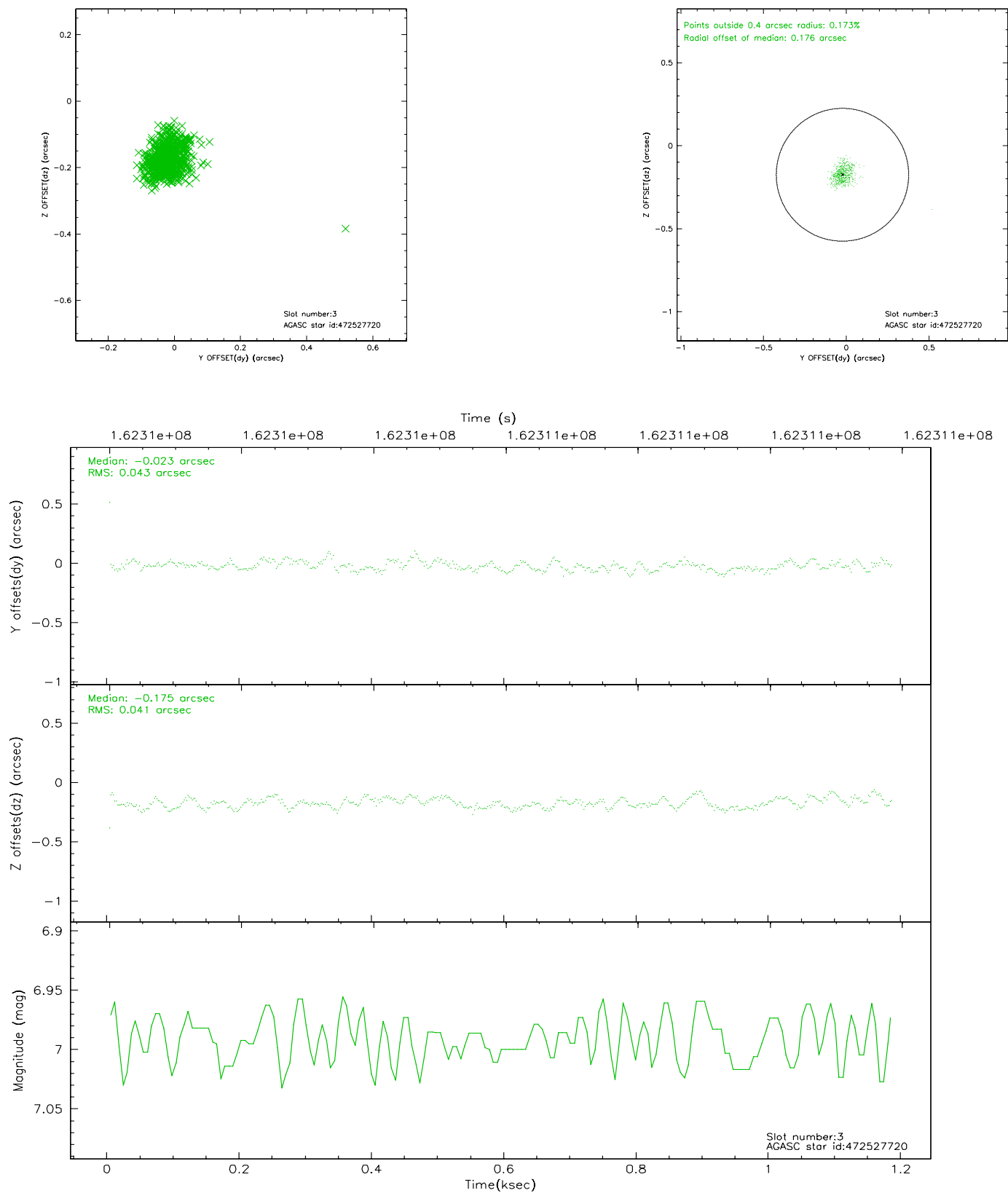


Slot Statistics

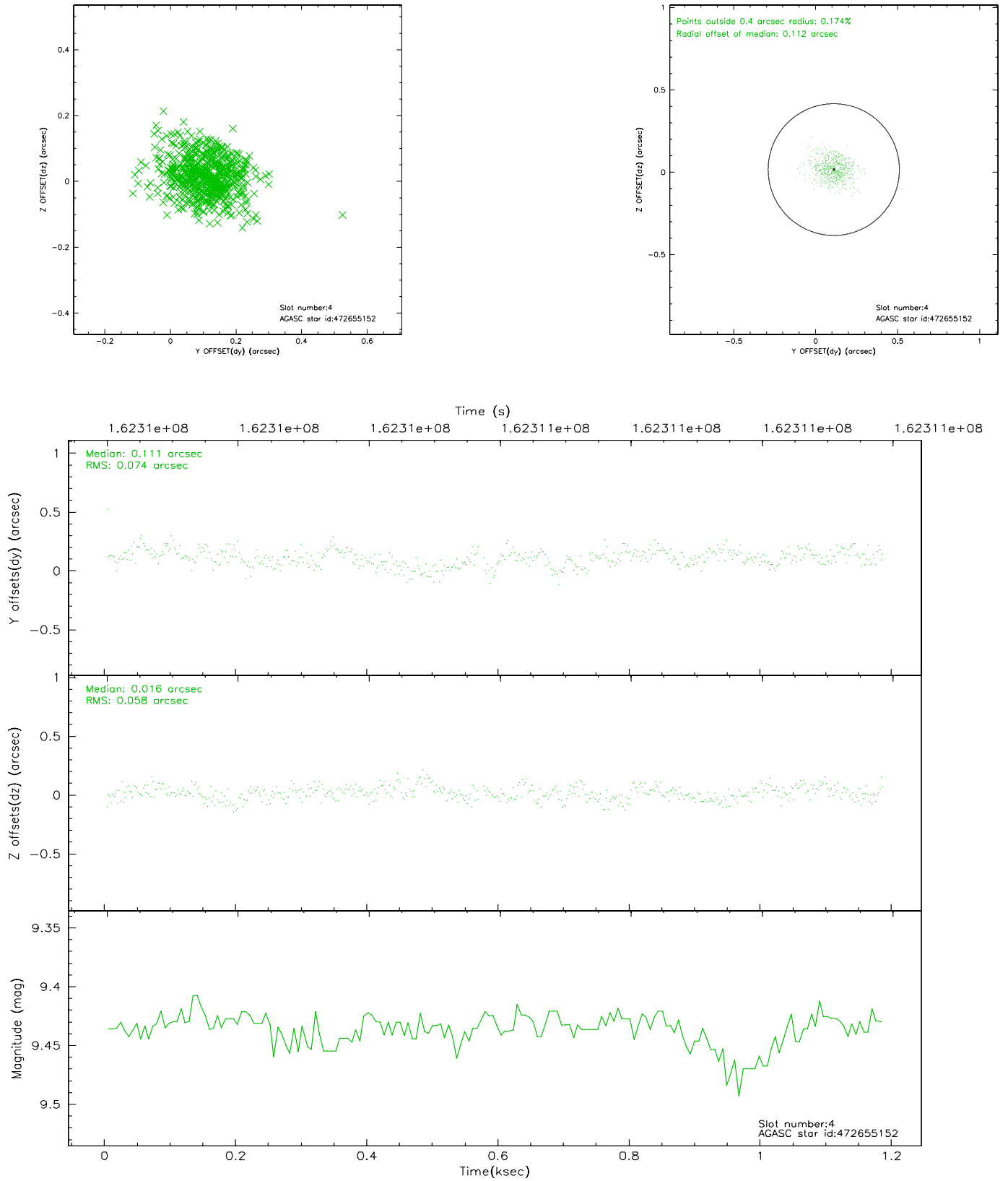
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	289	0.023	0.062	0.006	0.010	0.000000	0.000000	-758.63	-1296.46
1	FID	HRC-I-2	7.01	289	0.081	-0.078	0.005	0.009	0.000000	0.000000	851.44	-1302.65
2	FID	HRC-I-3	7.06	289	0.015	-0.073	0.006	0.011	0.000000	0.000000	-1184.18	1003.46
3	GUIDE	472527720	6.99	578	-0.023	-0.175	0.059	0.091	331.460205	45.112509	-1288.01	-1475.48
4	GUIDE	472655152	9.44	574	0.111	0.016	0.098	0.167	332.504239	45.862991	1532.90	1026.45
5	GUIDE	472659832	9.48	578	0.039	0.075	0.101	0.161	332.780399	46.098139	2281.44	1831.67
6	GUIDE	420754040	9.09	578	0.018	0.018	0.112	0.161	331.917939	44.882543	-184.50	-2385.86
7	GUIDE	472652872	10.11	577	-0.141	0.063	0.134	0.223	332.255928	45.019274	704.56	-1963.32

2.4 Star Slots

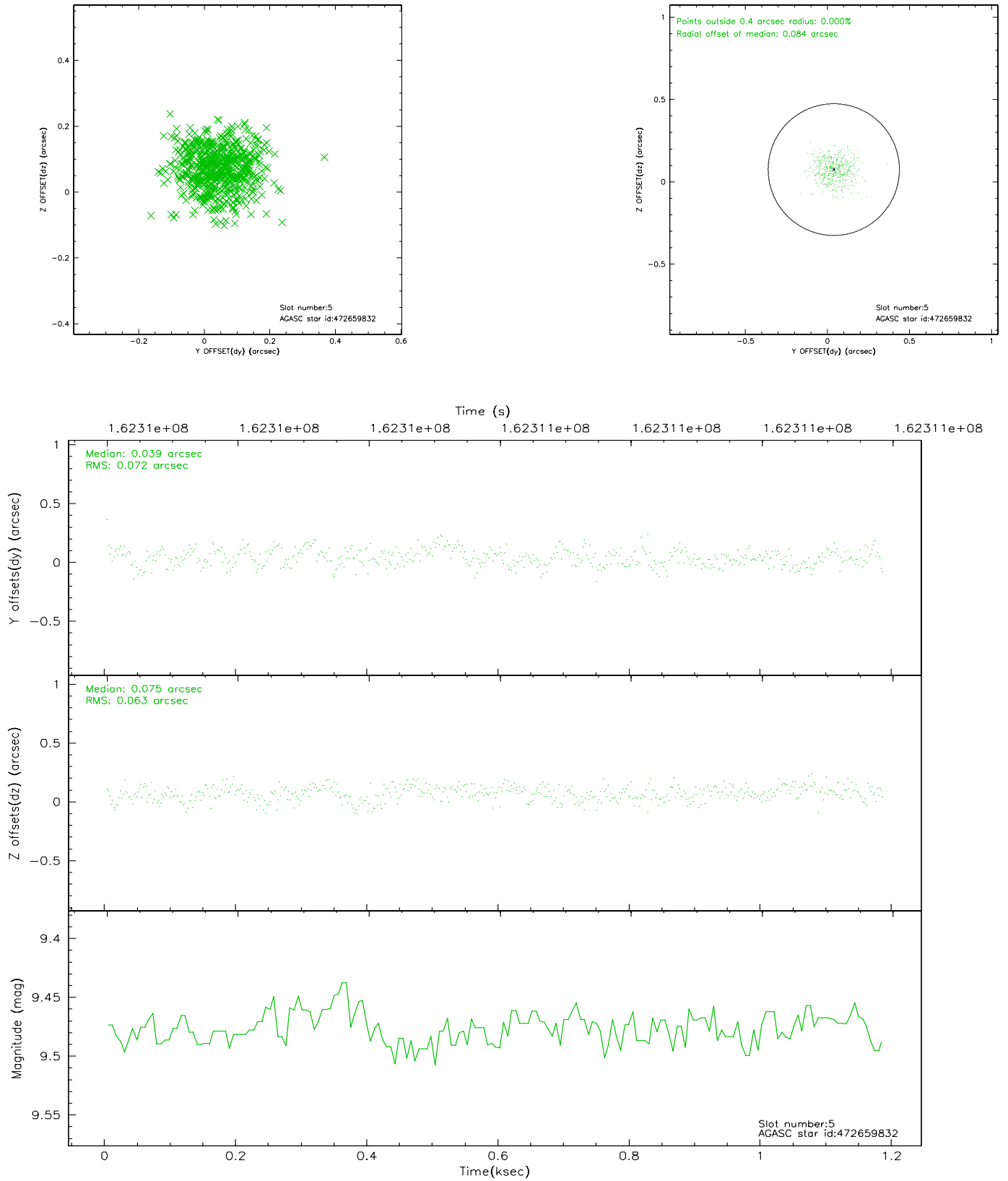
2.4.1 Slot 3



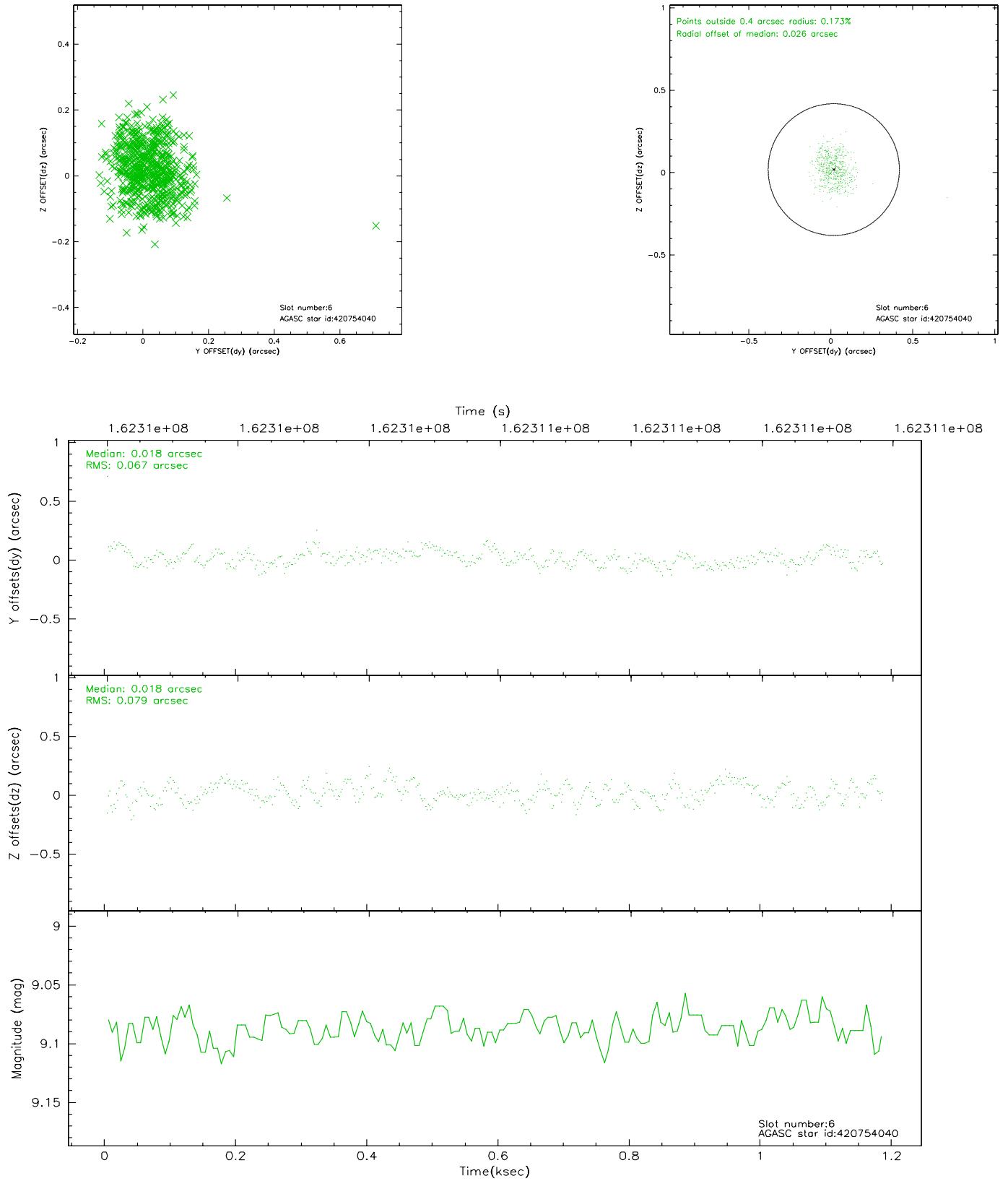
2.4.2 Slot 4



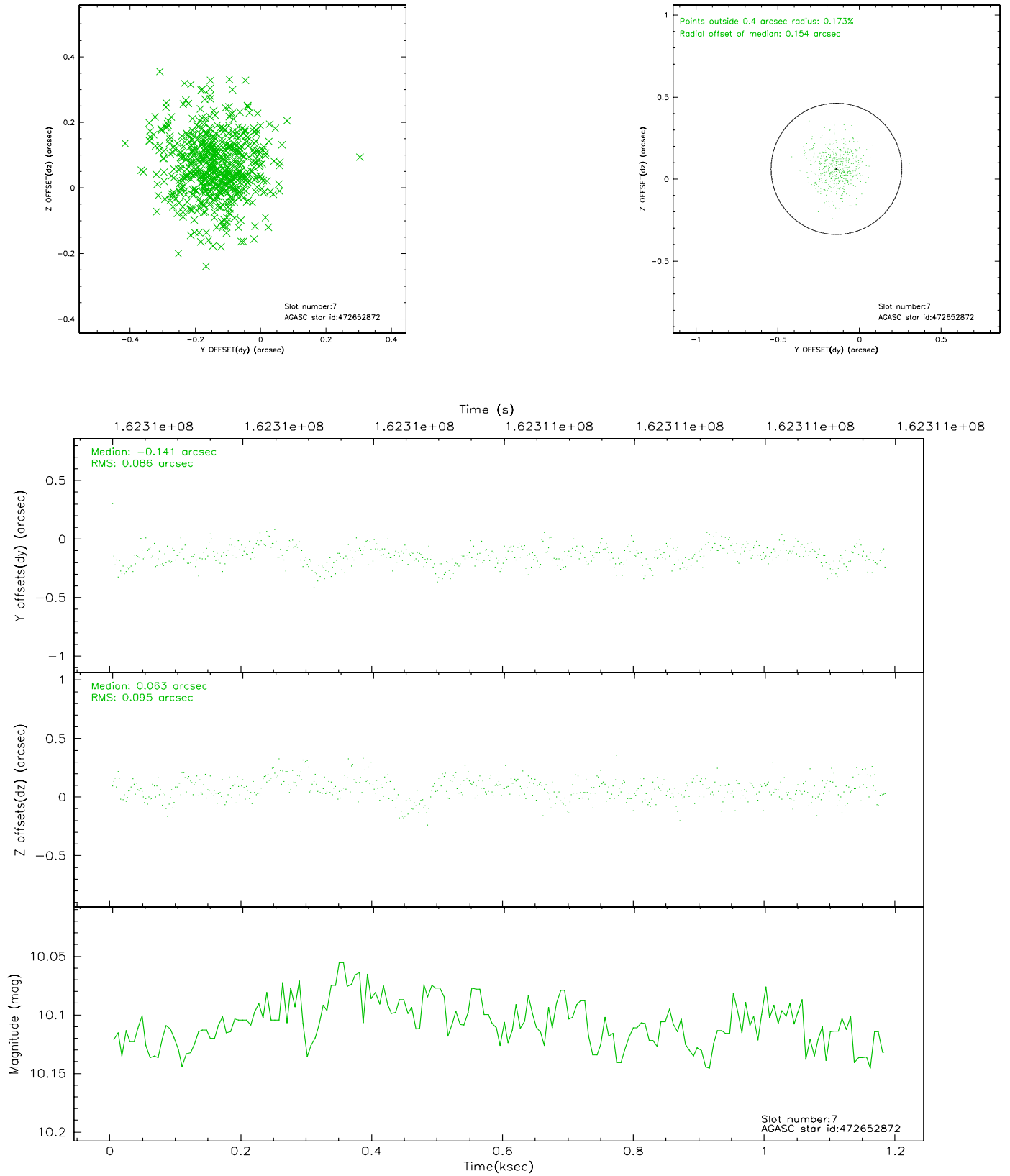
2.4.3 Slot 5



2.4.4 Slot 6

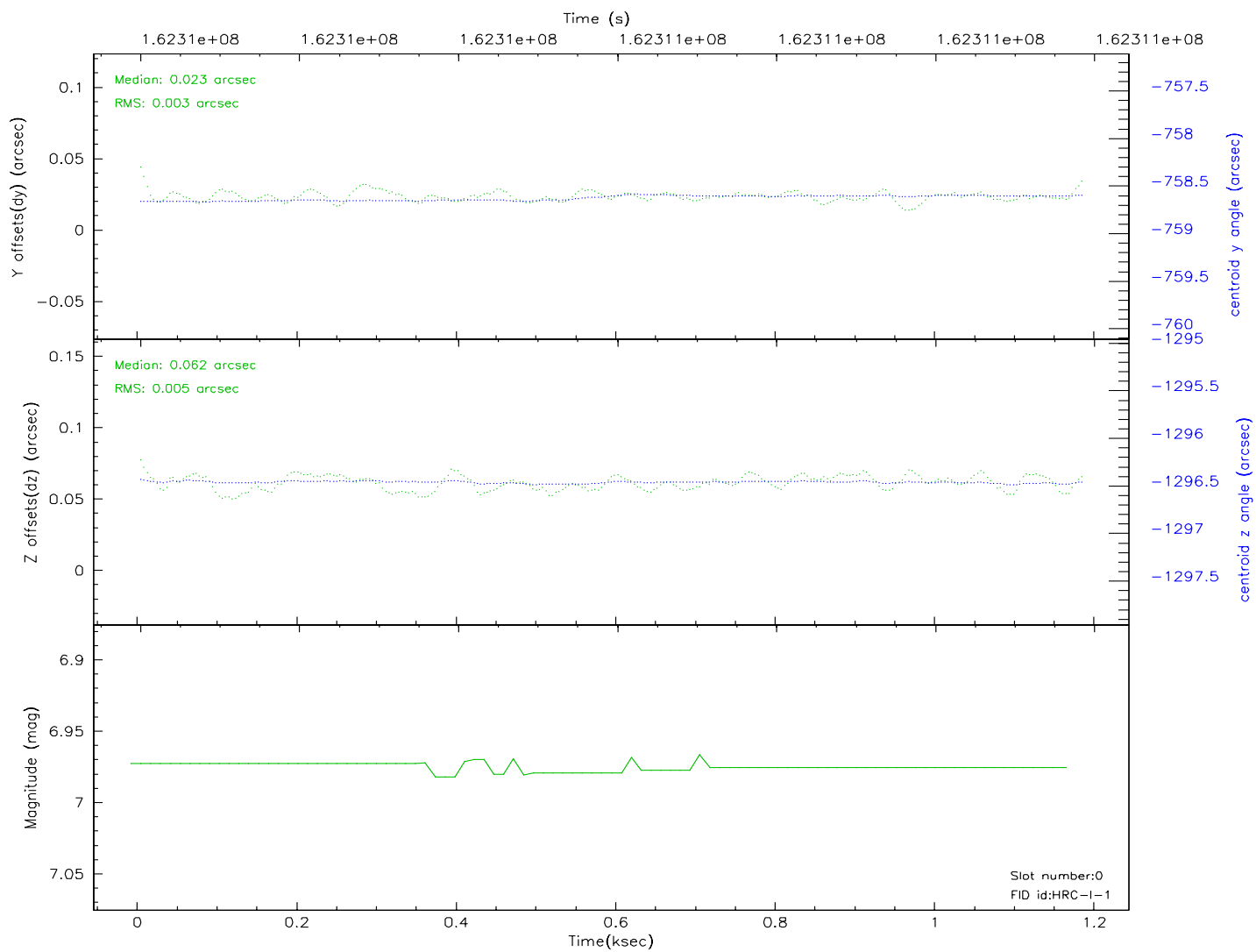
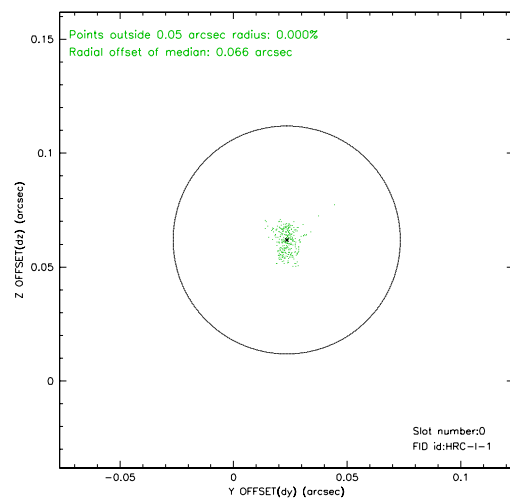
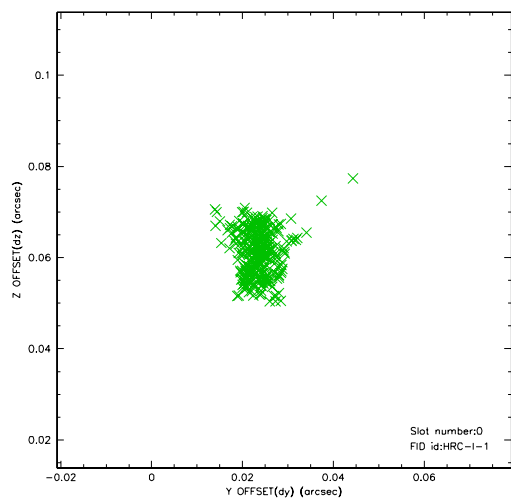


2.4.5 Slot 7

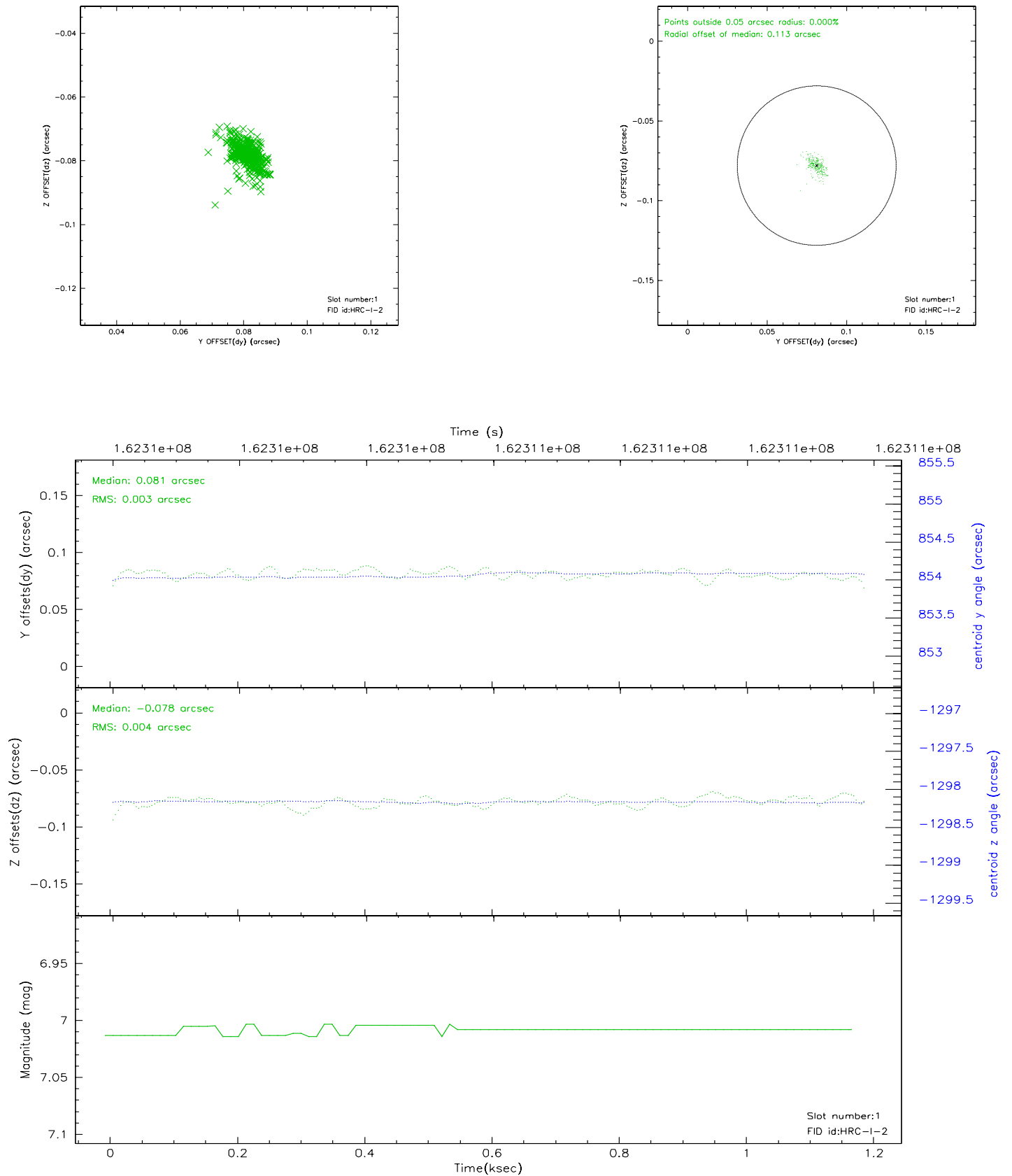


2.5 FID Slots

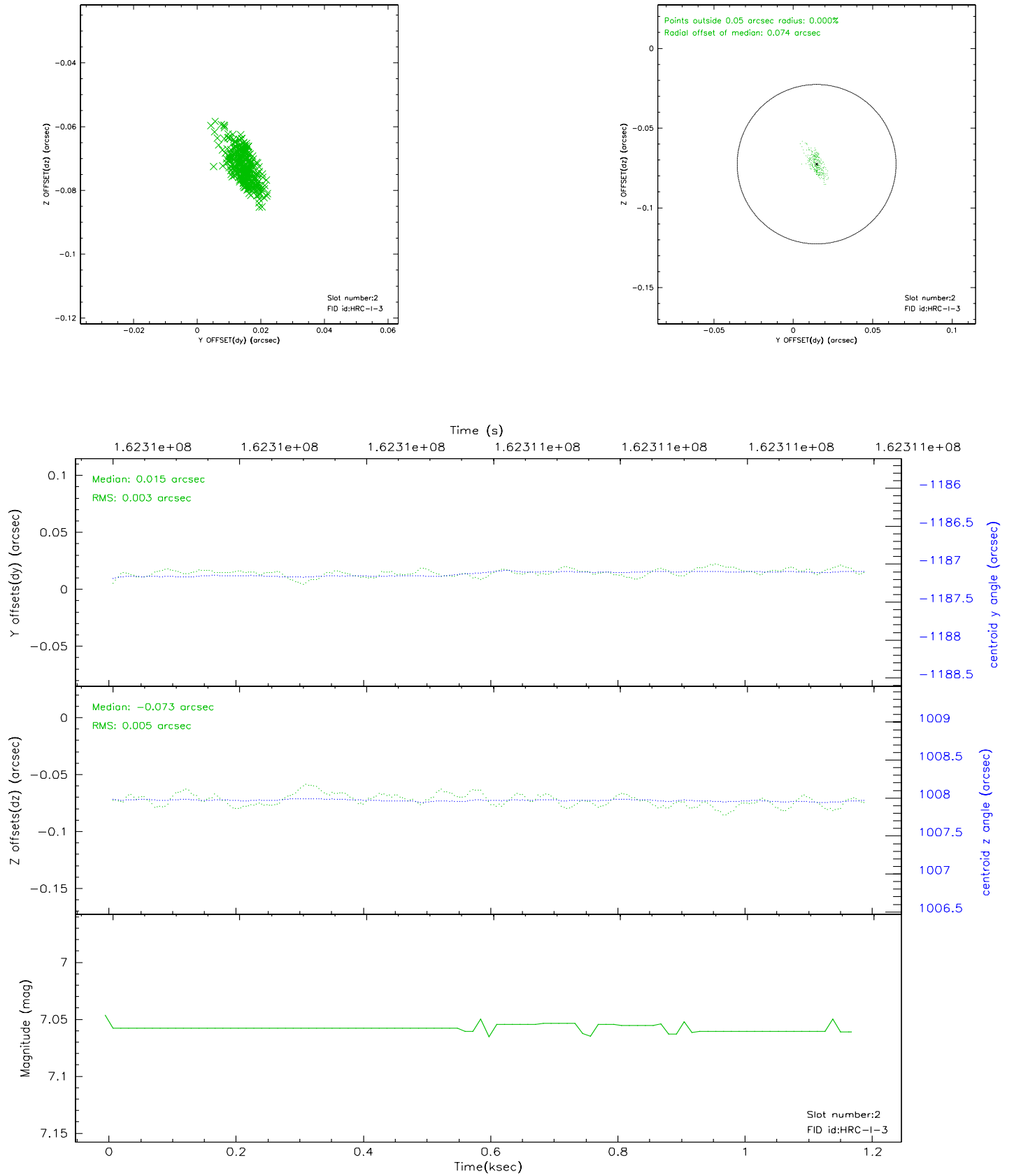
2.5.1 Slot 0



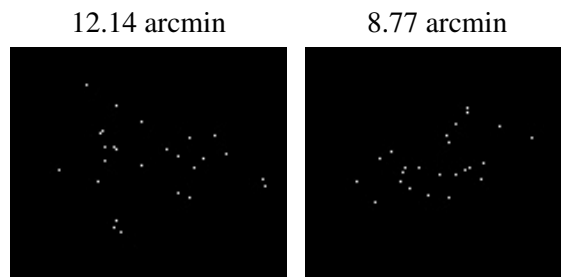
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

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.