

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4302 - L2 Version 3
Chandra X-Ray Center

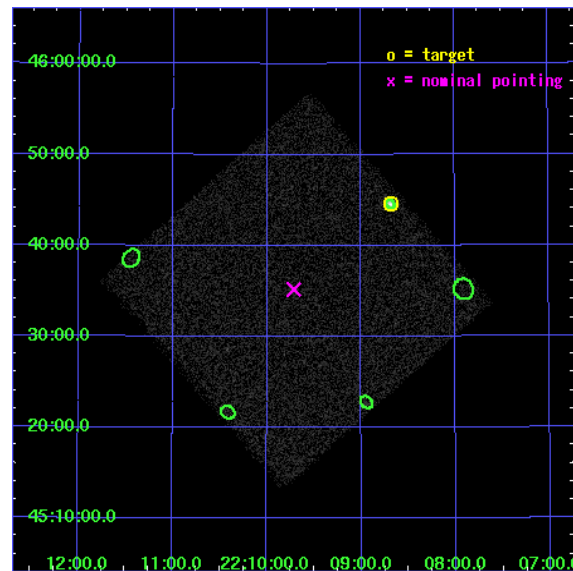
L2 Processing Date : Nov 21 2007

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1 Front

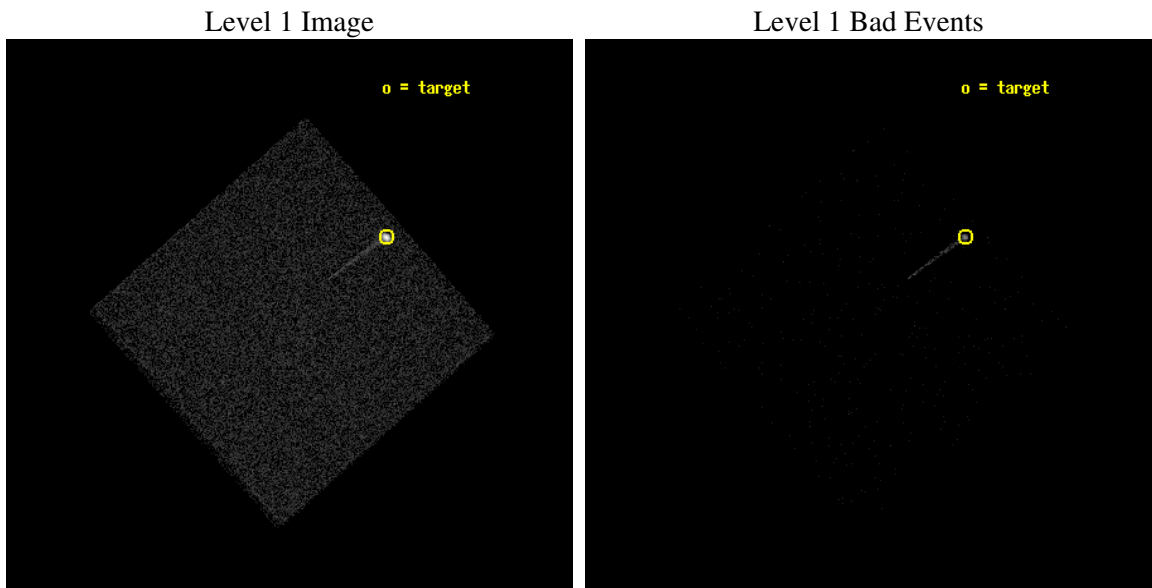
seq_num	290262
obs_id	4302
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.42831464297
dec_nom	45.586541885528
roll_nom	3.5273490874394
revision	3
ontime	1179.775049597
livetime	1173.1855751407
l2events	37658



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	2007-11-22T03:53:32
revision	3

sched_exp_time	1000.000000
ontime	1179.775049597
l1events	69316

2.1.3 Events

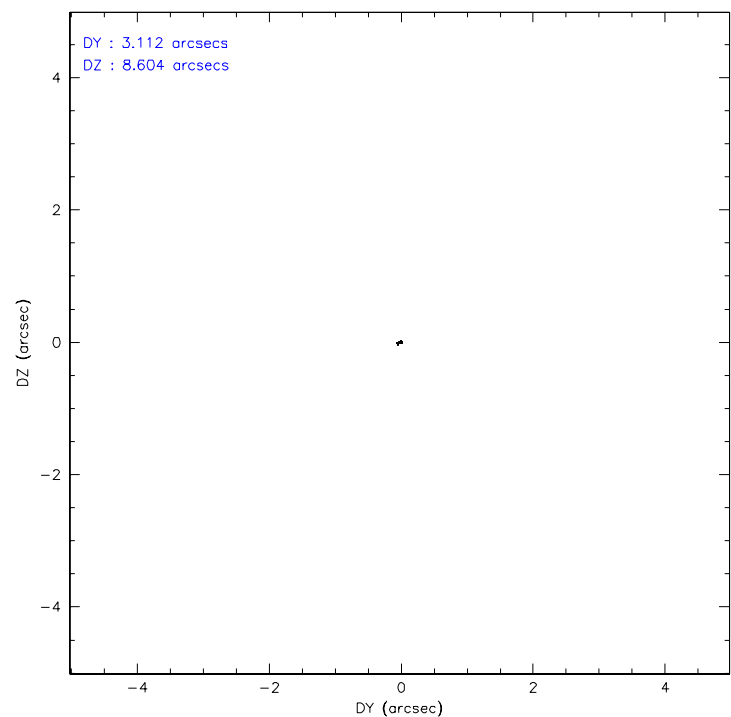
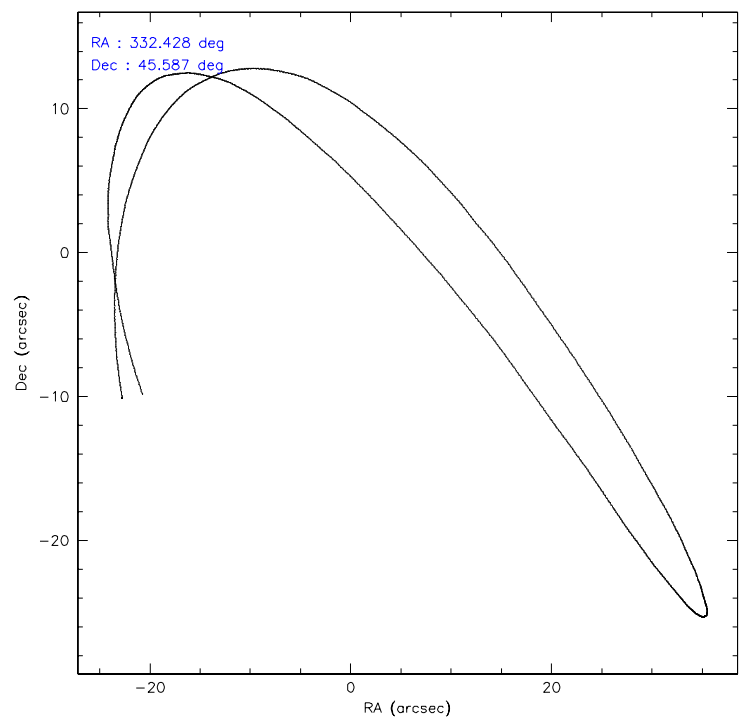
Level 1 Events

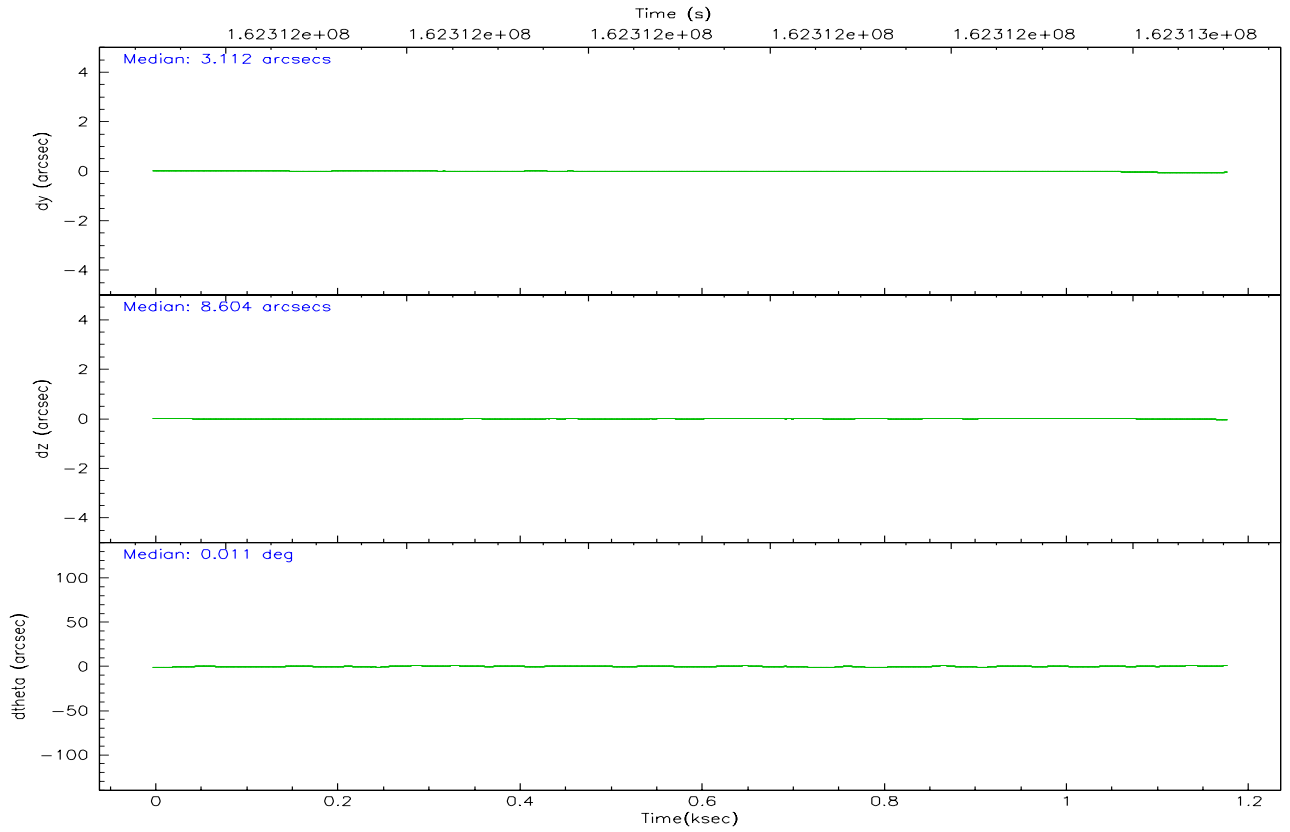
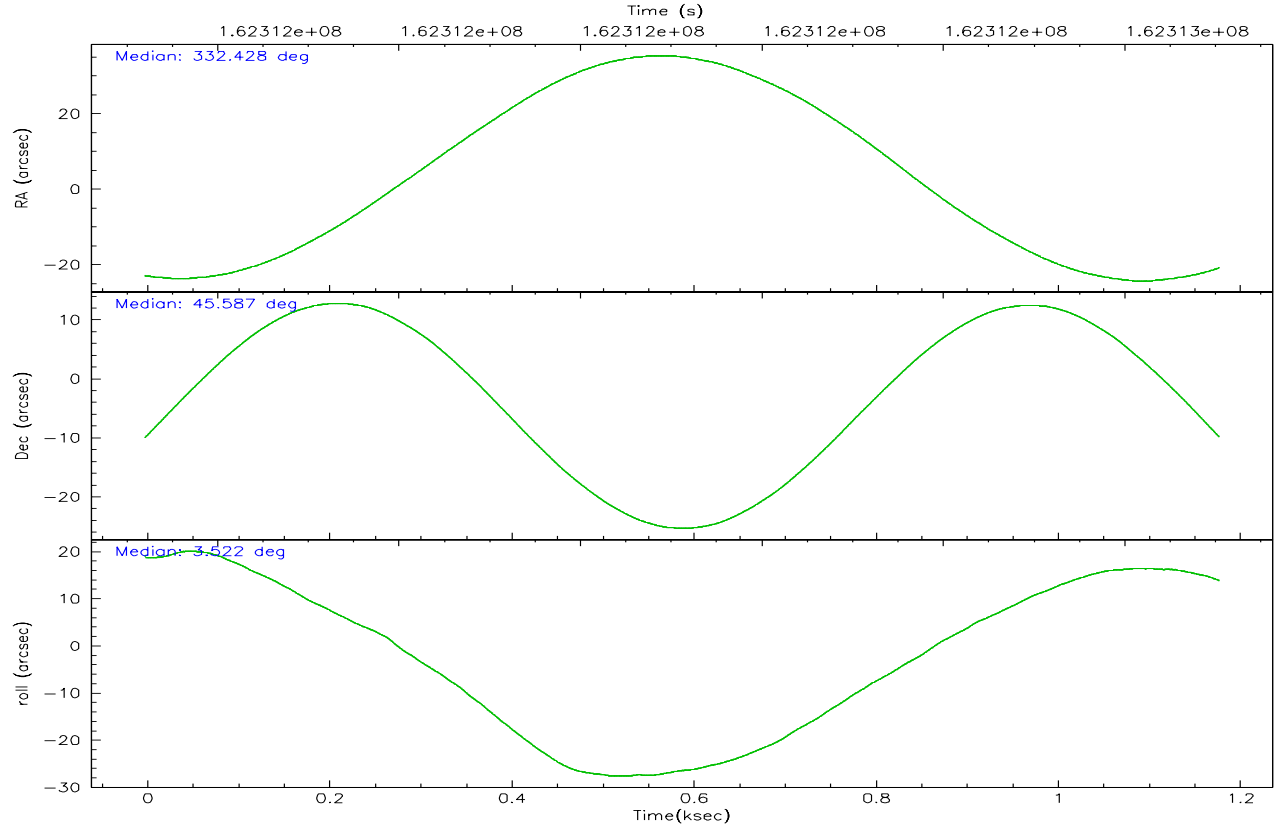
	segment 0
level 1 events	69316
rejected events	15487
rejected %	22%

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	332.397294	332.4283146429666			
Pointing Dec	45.569933	45.58654188552828			
Pointing Roll	3.645019	3.527349087439414			
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	162311698.184000	162311321.5703			
Observation start date	2003-02-22T14:33:54	2003-02-22T14:28:41			
Observation end time	162312698.184000	162312831.39537			
Observation end date	2003-02-22T14:50:34	2003-02-22T14:53:51			

2.3 Aspect



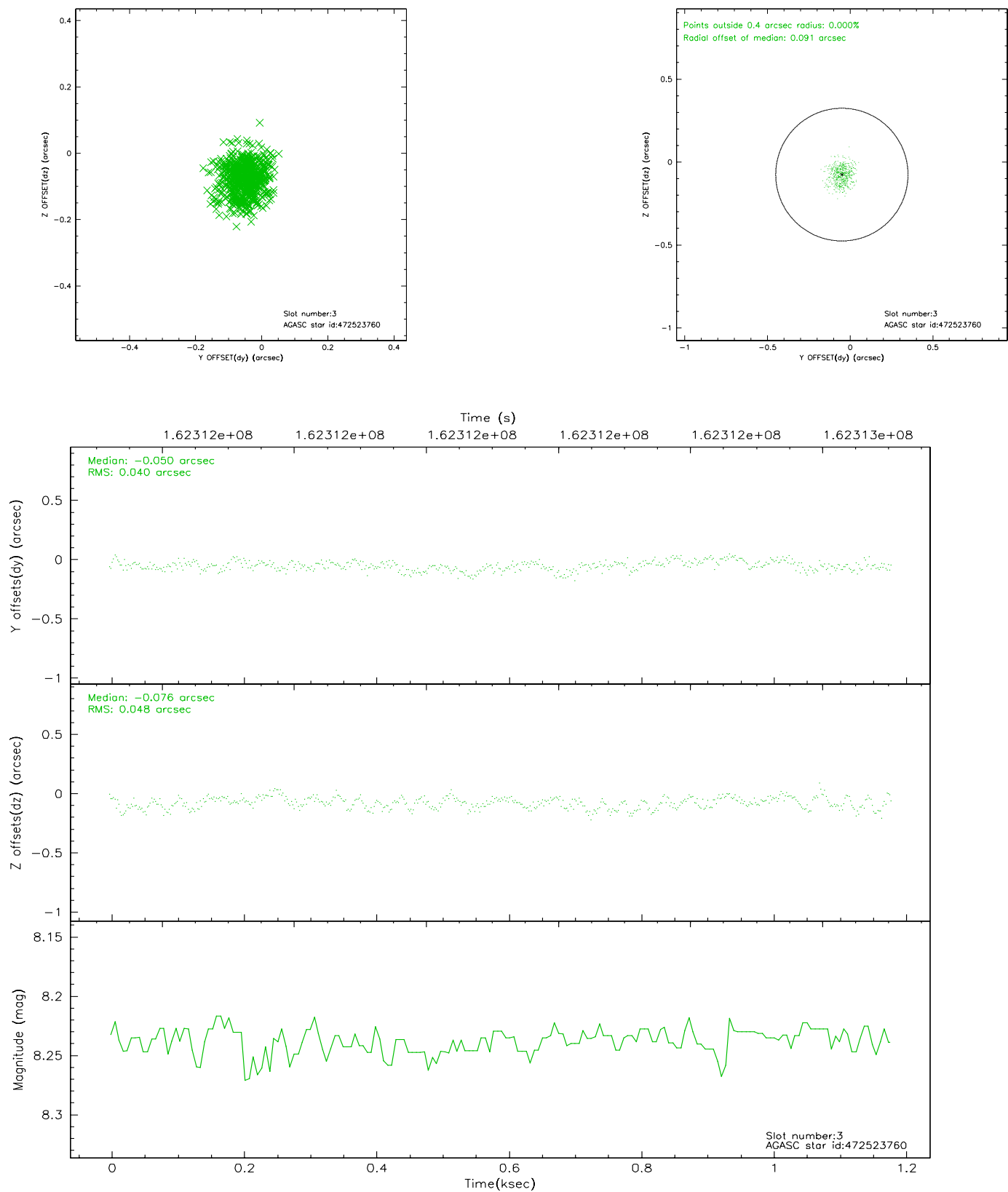


Slot Statistics

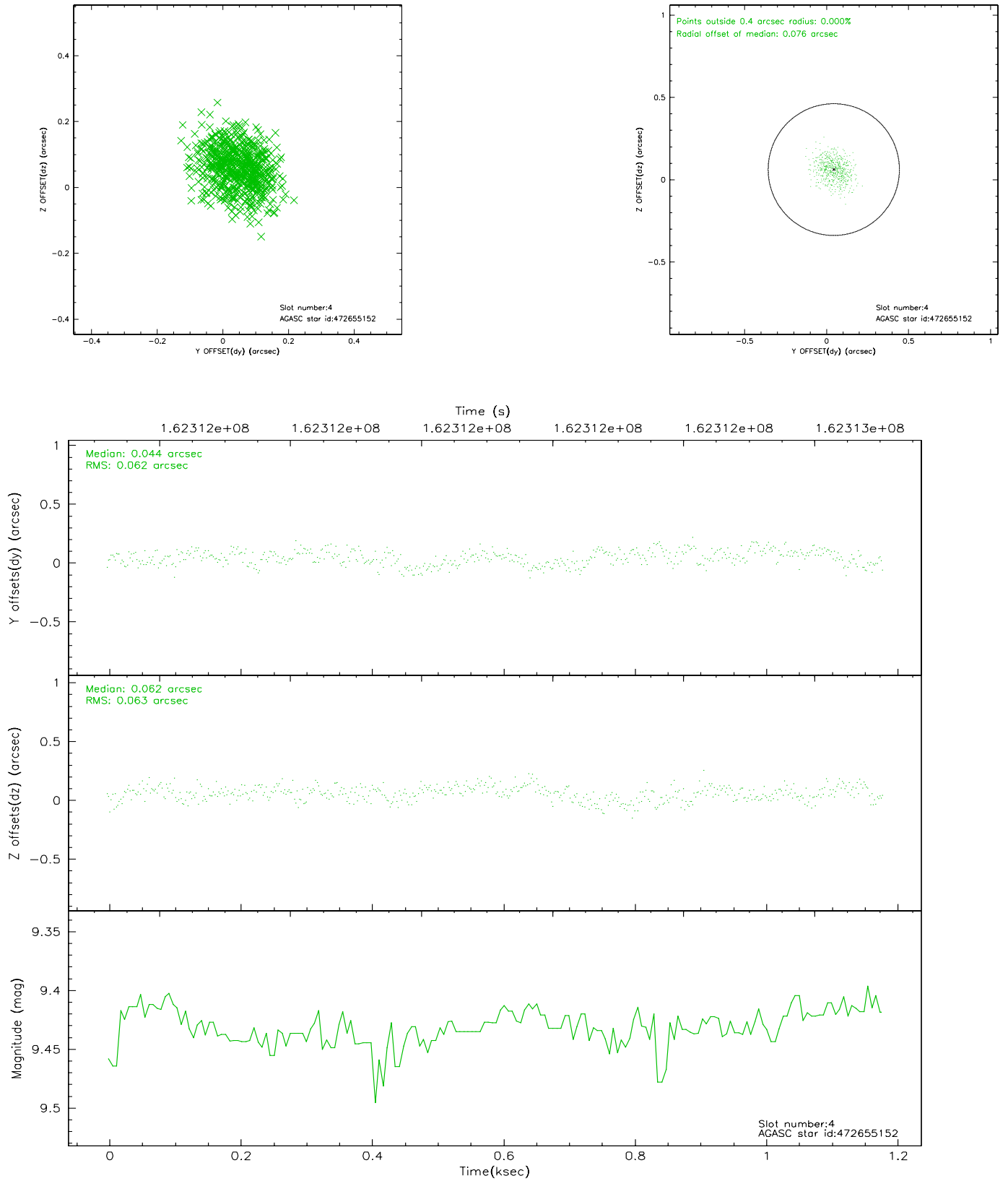
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	0.037	0.029	0.006	0.009	0.000000	0.000000	-758.59	-1296.48
1	FID	HRC-I-2	7.01	288	0.094	-0.045	0.006	0.011	0.000000	0.000000	851.46	-1302.69
2	FID	HRC-I-4	7.01	288	-0.015	-0.076	0.006	0.010	0.000000	0.000000	1287.18	1000.98
3	GUIDE	472523760	8.24	577	-0.050	-0.076	0.067	0.109	331.645363	45.403260	-1932.55	-473.38
4	GUIDE	472655152	9.43	577	0.044	0.062	0.095	0.149	332.504239	45.862991	333.04	1031.30
5	GUIDE	472659832	9.46	575	0.014	-0.030	0.107	0.173	332.780399	46.098139	1077.73	1837.05
6	GUIDE	420754040	9.08	577	-0.028	0.009	0.110	0.164	331.917939	44.882543	-1373.19	-2389.08
7	GUIDE	472652872	10.12	576	0.027	0.036	0.125	0.215	332.255928	45.019274	-485.48	-1963.33

2.4 Star Slots

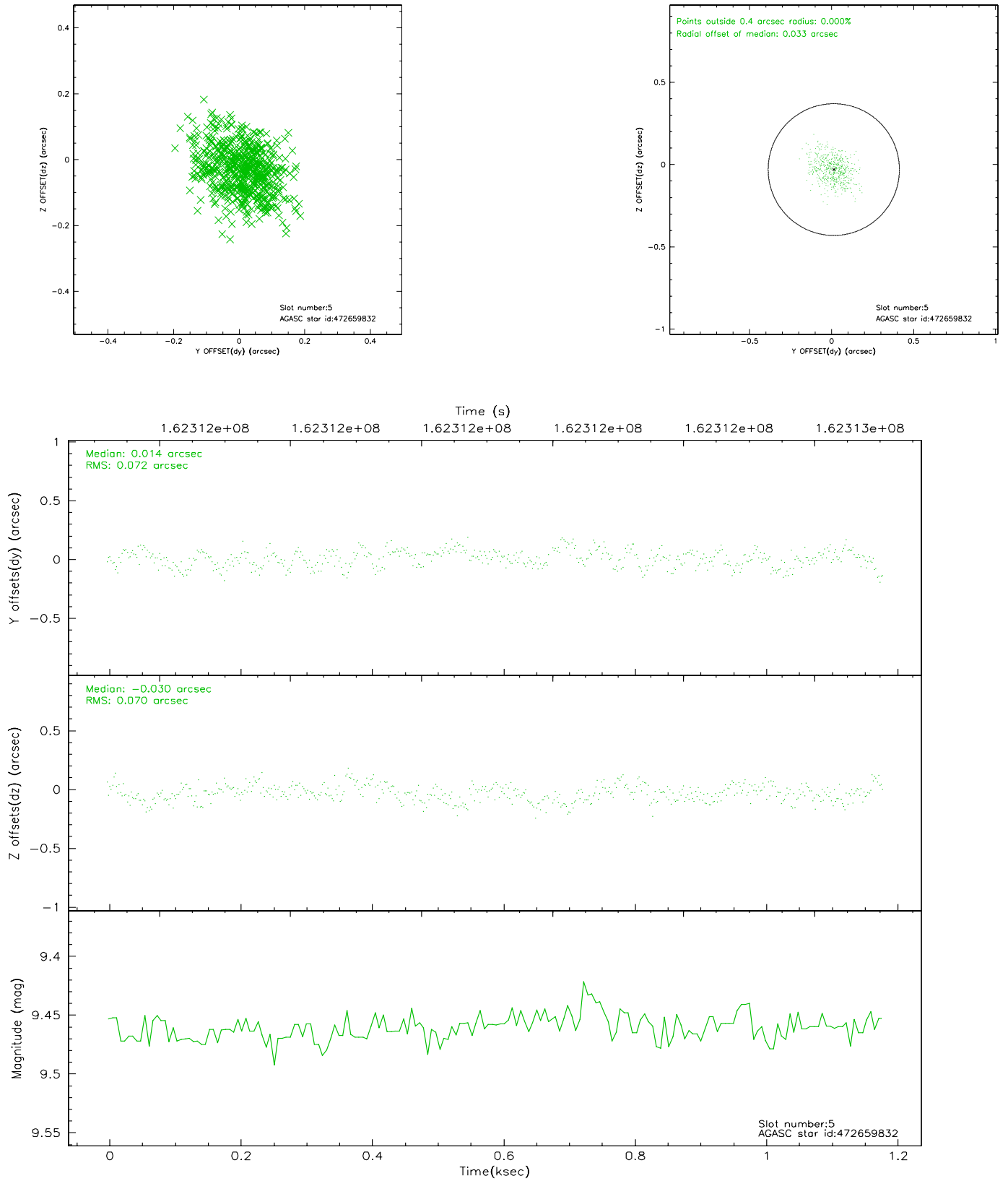
2.4.1 Slot 3



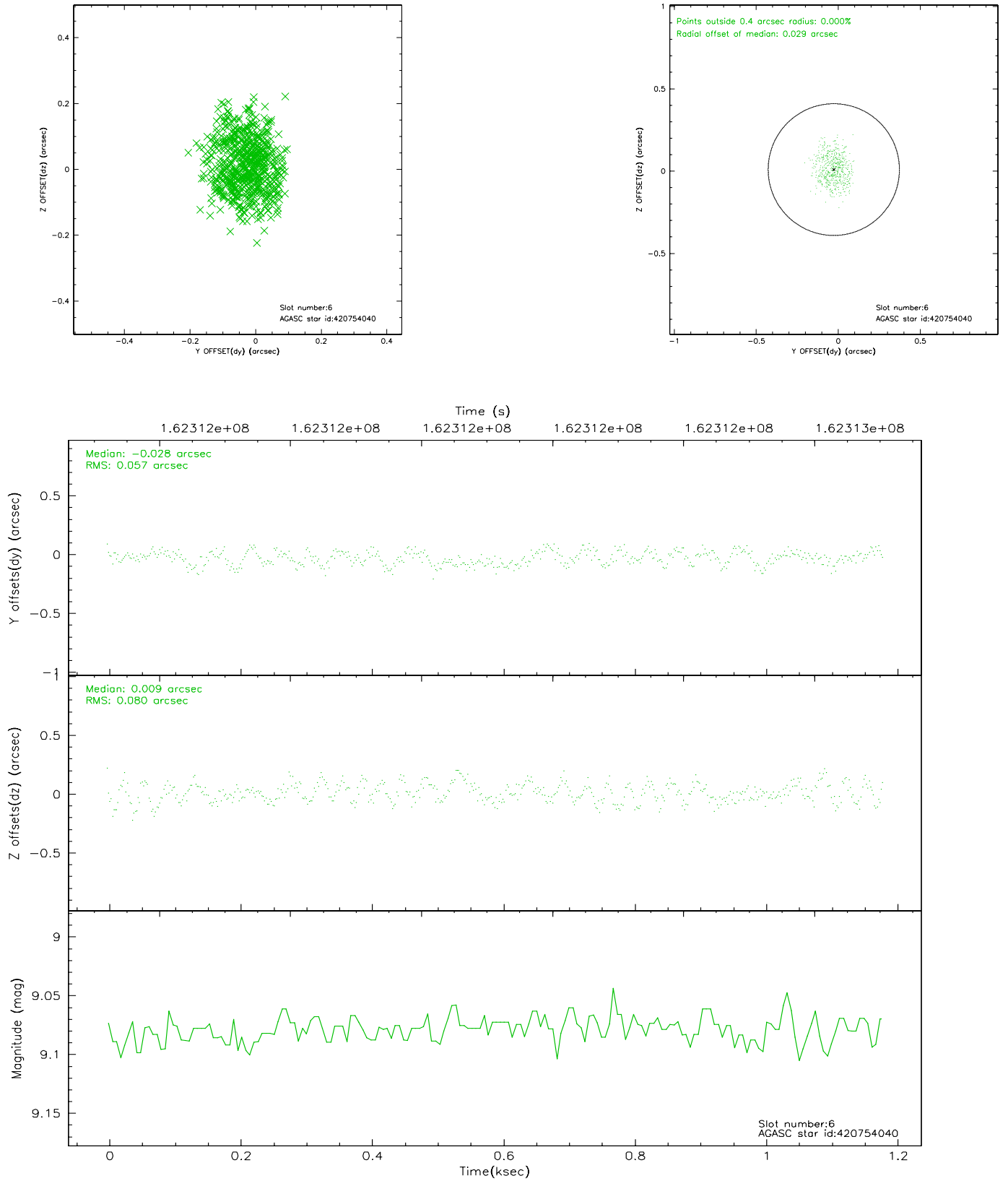
2.4.2 Slot 4



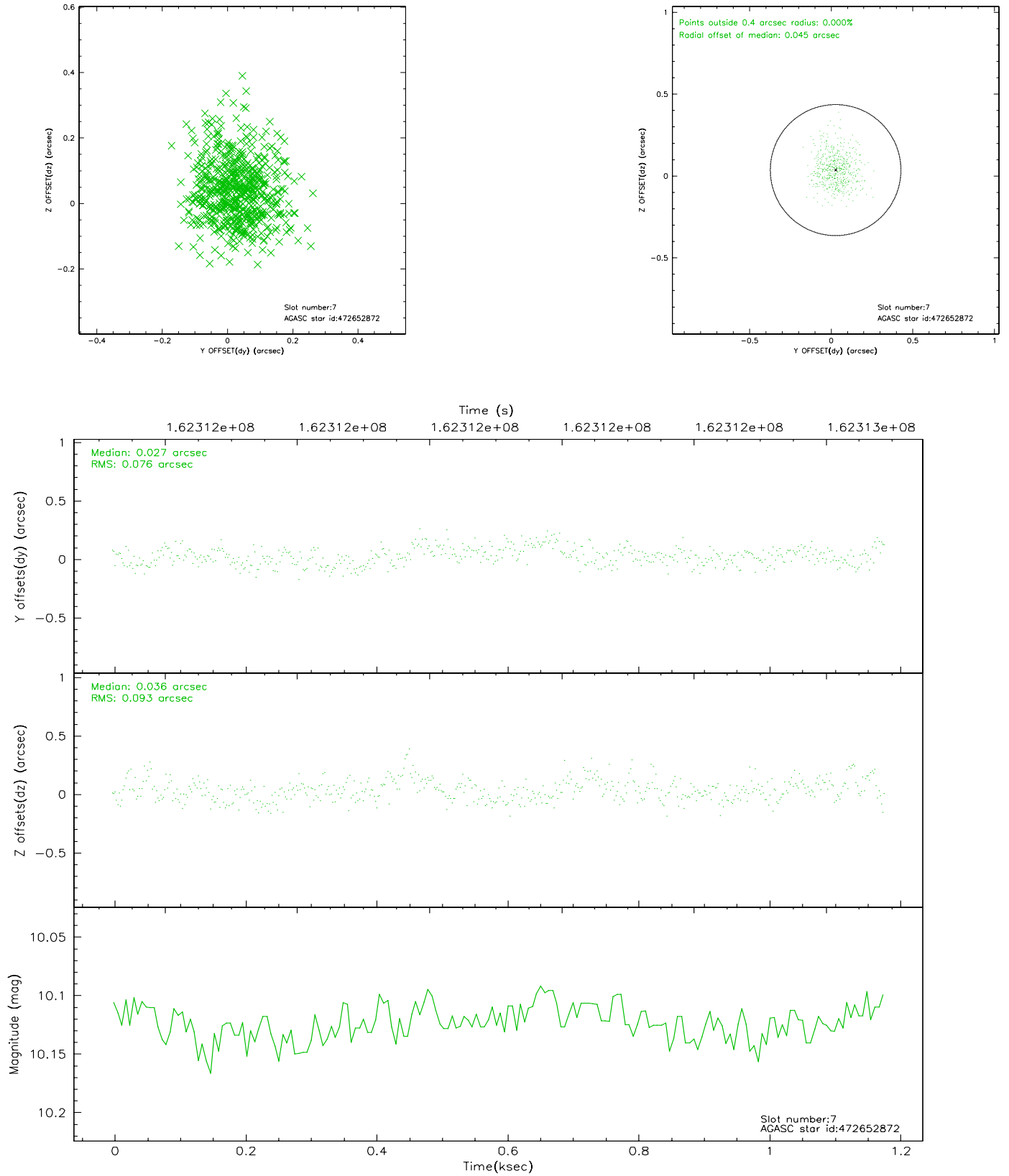
2.4.3 Slot 5



2.4.4 Slot 6

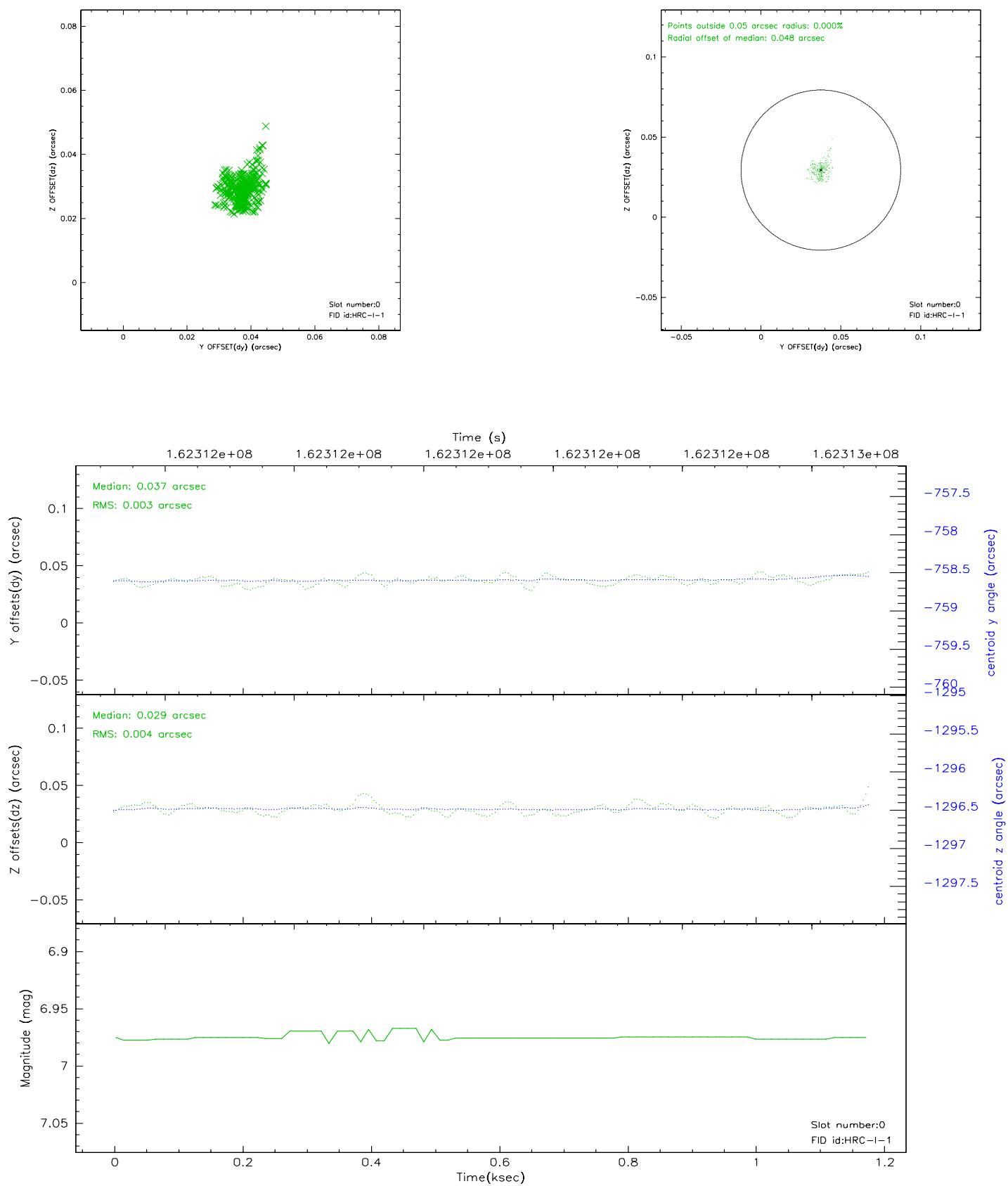


2.4.5 Slot 7

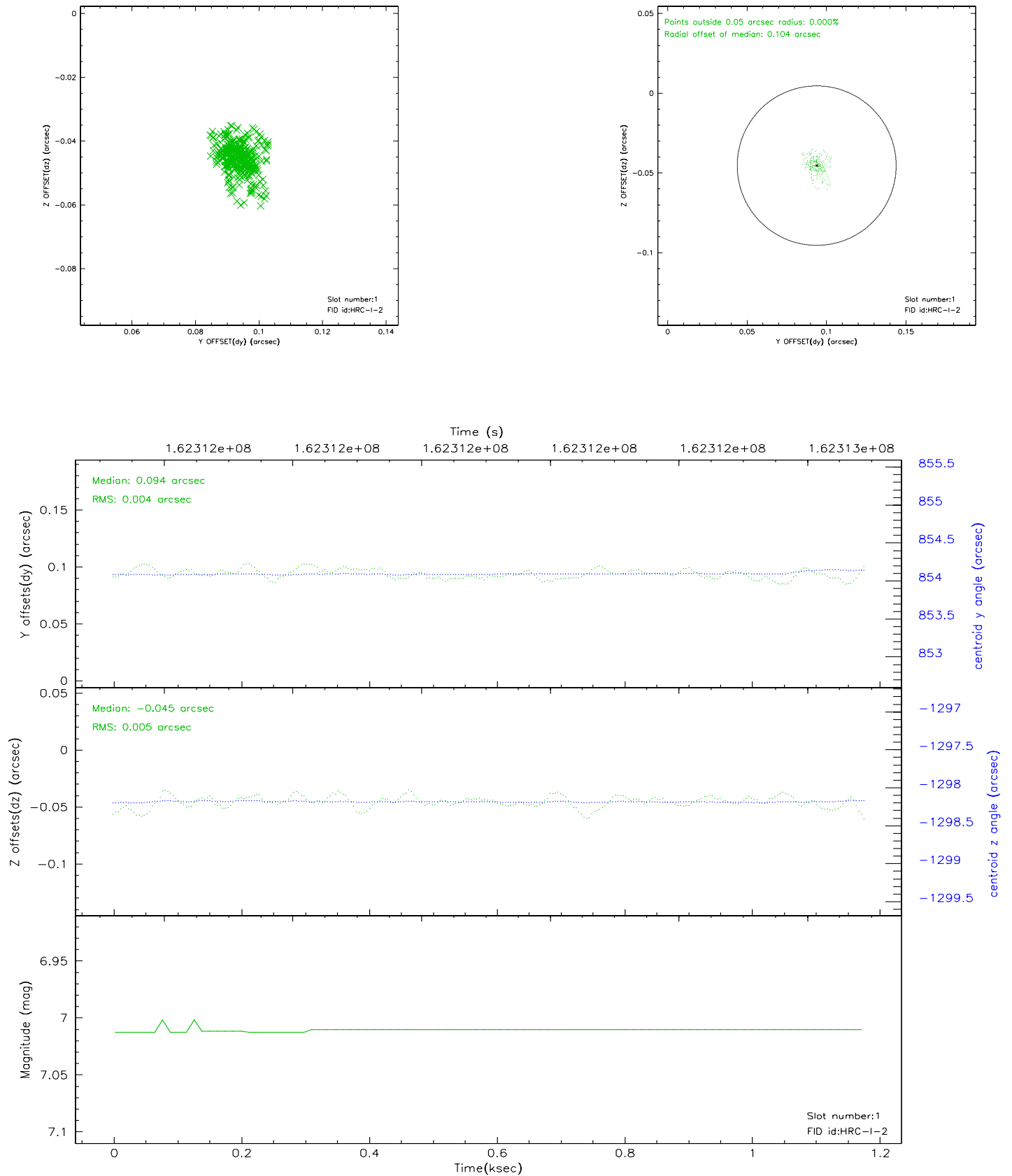


2.5 FID Slots

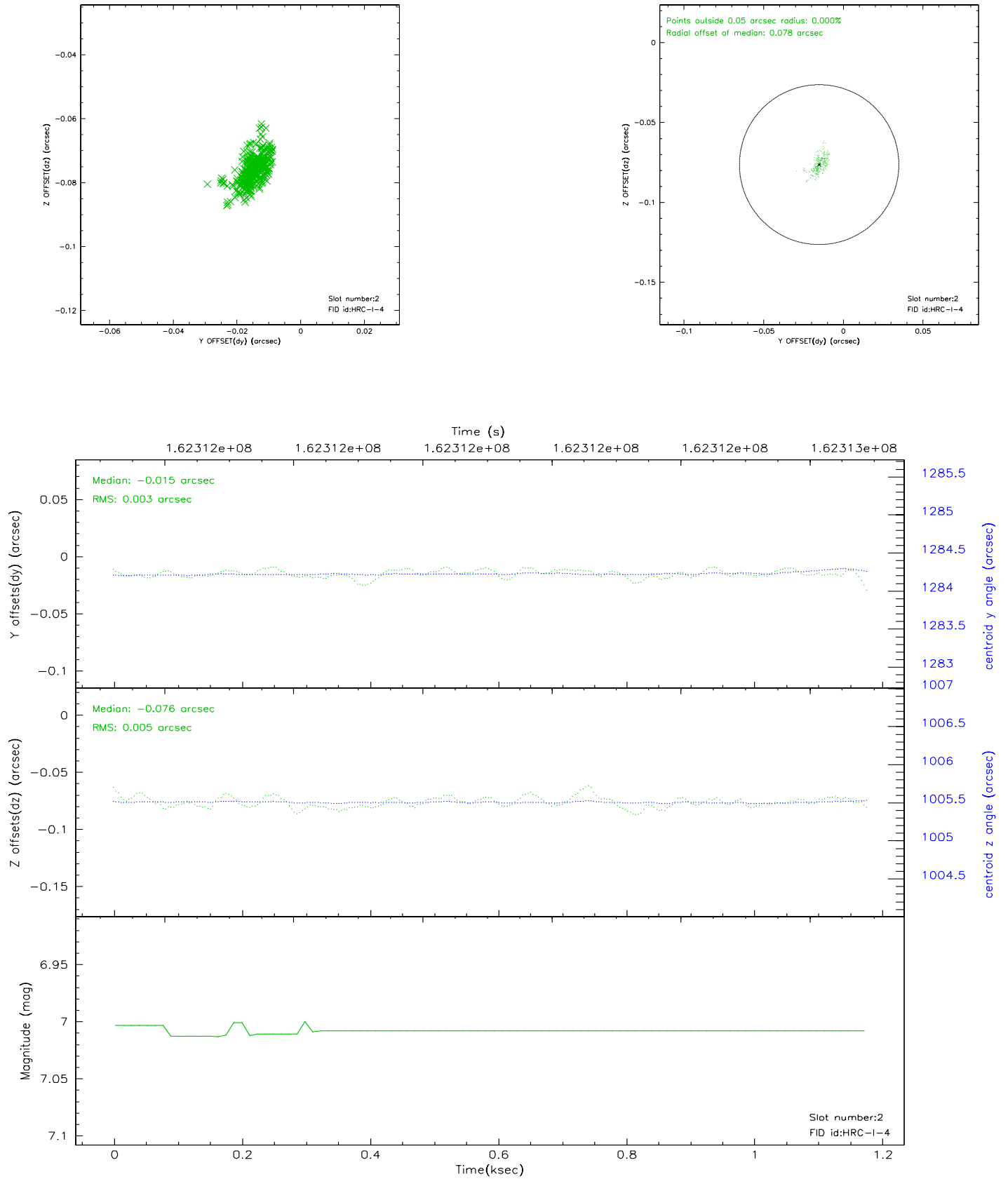
2.5.1 Slot 0



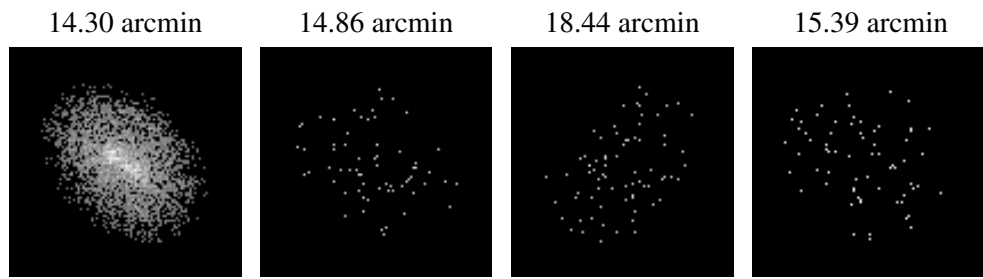
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18

A.2 Comments

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.