

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4291 - L2 Version 3
Chandra X-Ray Center

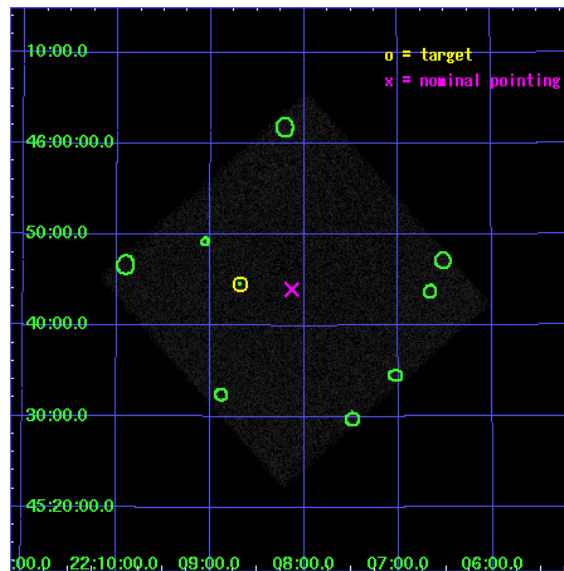
L2 Processing Date : Nov 21 2007

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1 Front

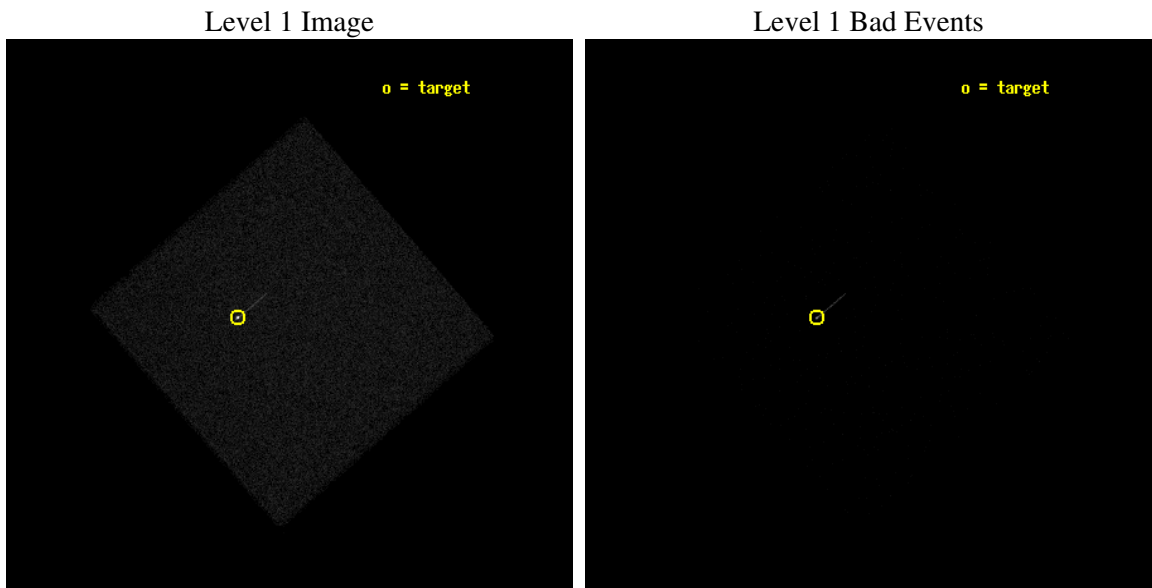
seq_num	290251
obs_id	4291
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.03274663698
dec_nom	45.733435410383
roll_nom	3.7619229569254
revision	3
ontime	1184.1312997937
livetime	1166.38769913
l2events	91854



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	2007-11-22T01:29:05
revision	3

sched_exp_time	1000.000000
ontime	1184.1312997937
l1events	164652

2.1.3 Events

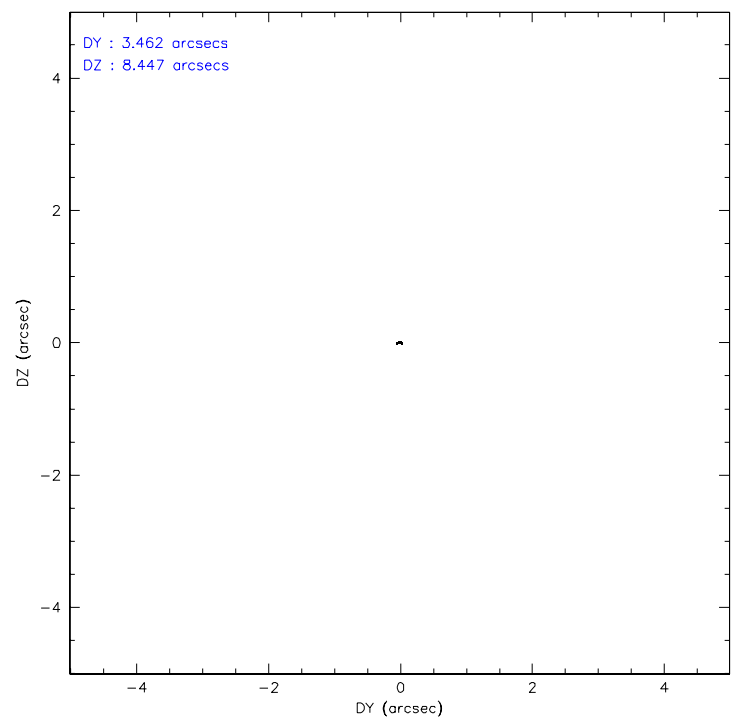
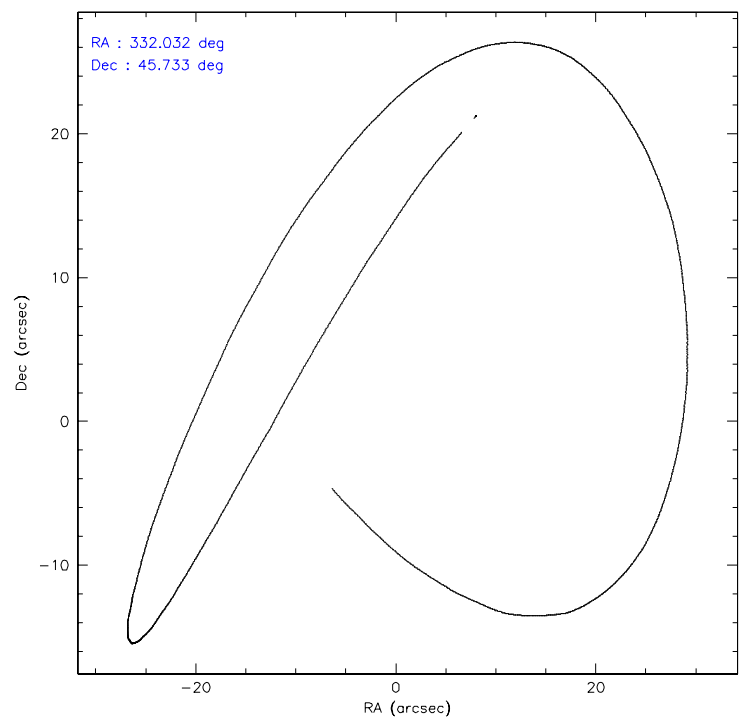
Level 1 Events

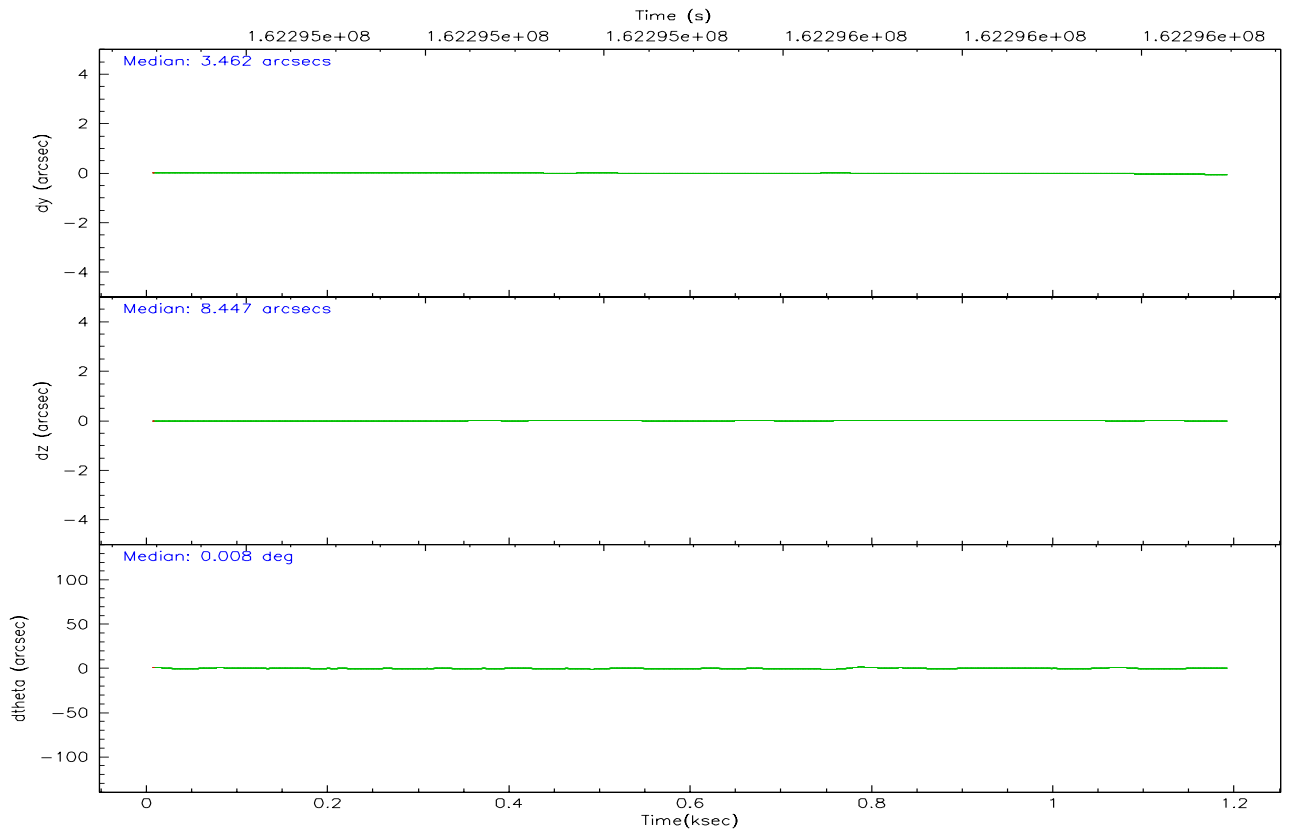
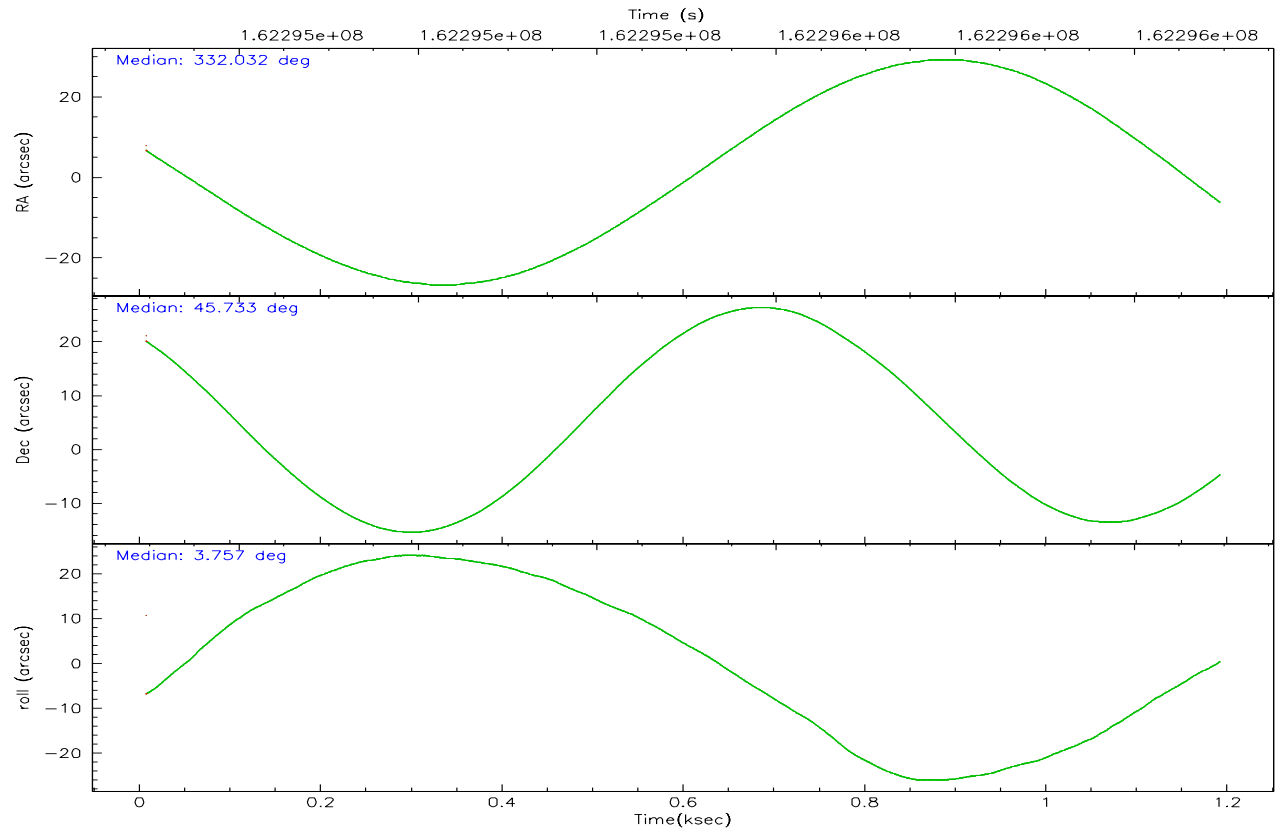
	segment 0
level 1 events	164652
rejected events	37909
rejected %	23%

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	332.000917	332.0327466369783			
Pointing Dec	45.718719	45.73343541038331			
Pointing Roll	3.880194	3.761922956925428			
Window start time	161654464.184000	161654464.184000			
Window stop time	165369664.184000	165369664.184000			
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	162295088.184000	162294711.4446			
Observation start date	2003-02-22T09:57:04	2003-02-22T09:51:51			
Observation end time	162296088.184000	162296222.29467			
Observation end date	2003-02-22T10:13:44	2003-02-22T10:17:02			

2.3 Aspect



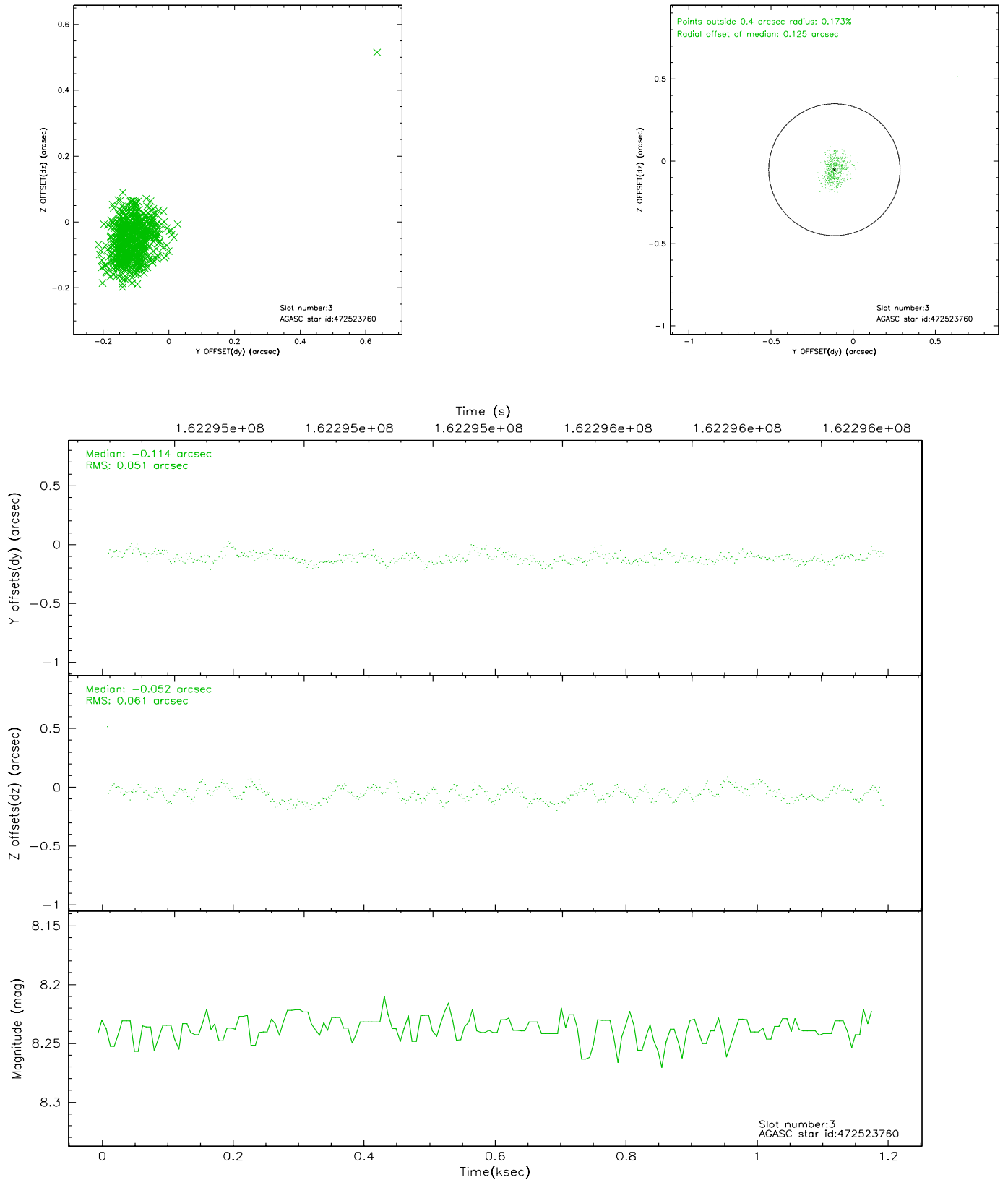


Slot Statistics

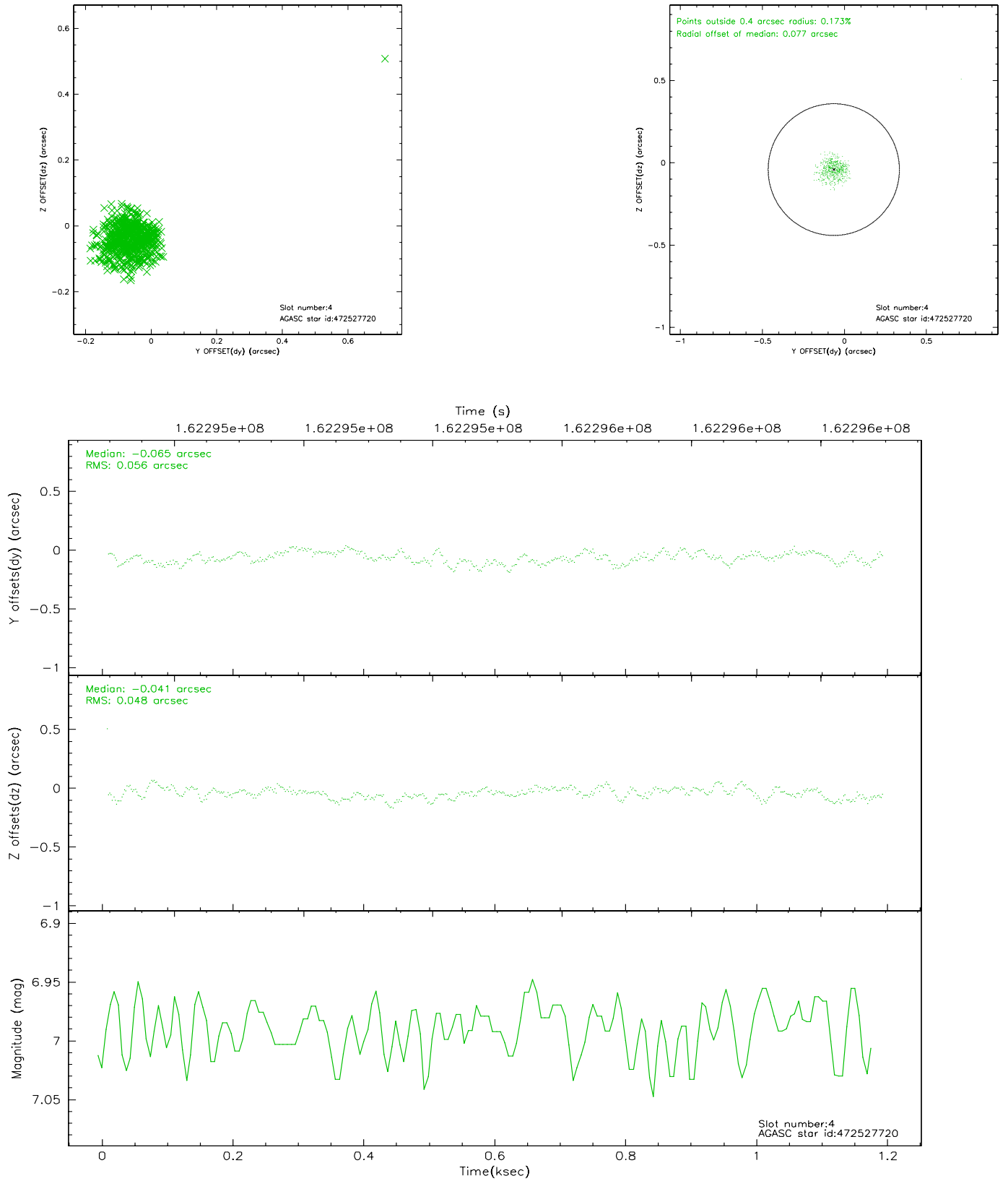
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	290	0.083	-0.027	0.006	0.010	0.000000	0.000000	853.78	-1297.97
1	FID	HRC-I-3	7.06	289	-0.014	0.011	0.007	0.011	0.000000	0.000000	-1184.50	1003.70
2	FID	HRC-I-4	7.01	290	0.049	-0.070	0.007	0.011	0.000000	0.000000	1279.81	1009.18
3	GUIDE	472523760	8.24	579	-0.114	-0.052	0.076	0.119	331.645363	45.403260	-973.19	-1067.10
4	GUIDE	472527720	6.99	579	-0.065	-0.041	0.068	0.104	331.460205	45.112509	-1519.36	-2078.52
5	GUIDE	472655152	9.43	579	0.166	-0.001	0.099	0.175	332.504239	45.862991	1292.09	436.54
6	GUIDE	472659832	9.47	574	0.006	0.121	0.100	0.160	332.780399	46.098139	2036.91	1245.10
7	GUIDE	472533912	9.18	578	0.011	-0.006	0.114	0.177	331.791136	46.368695	-357.97	2375.90

2.4 Star Slots

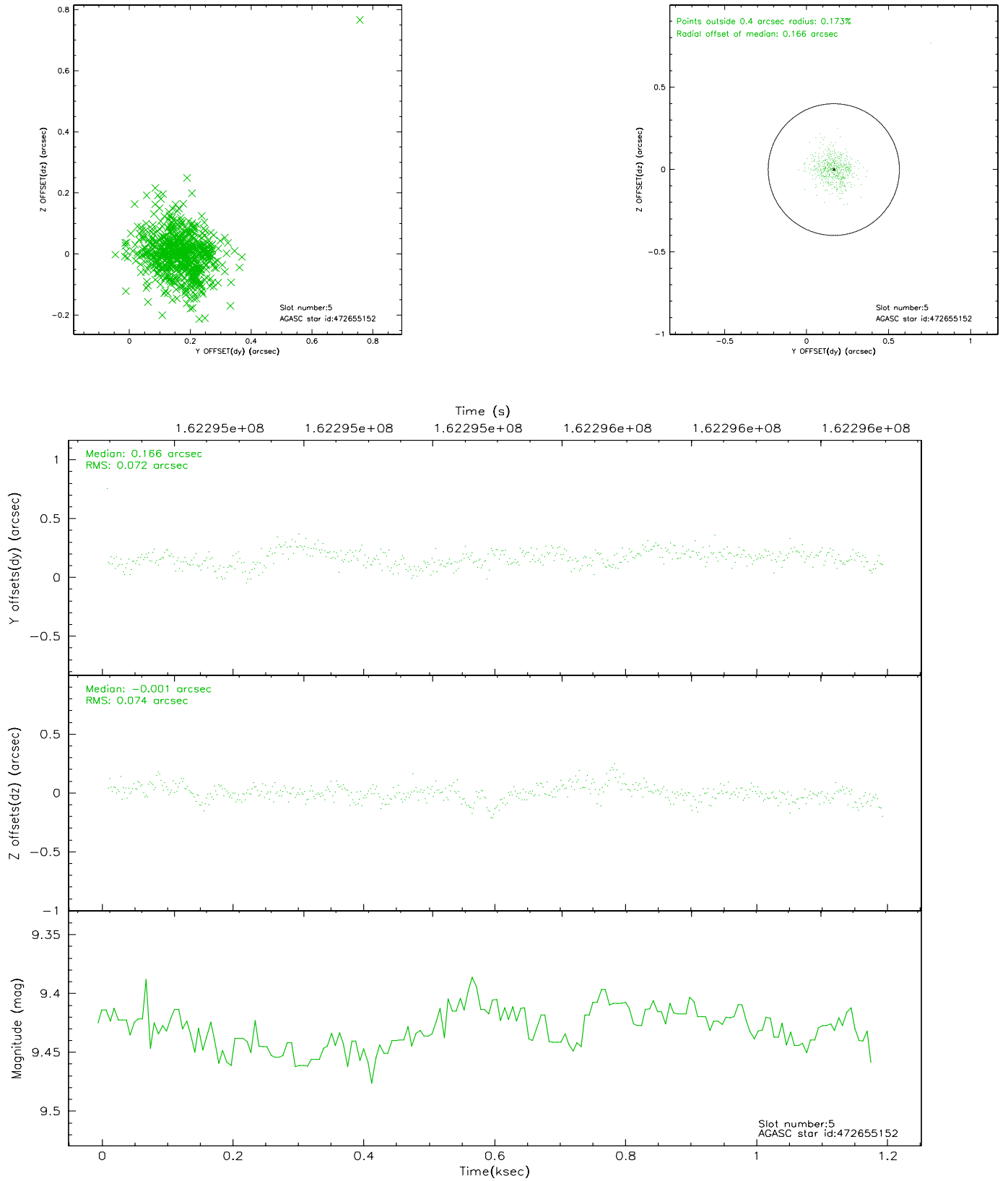
2.4.1 Slot 3



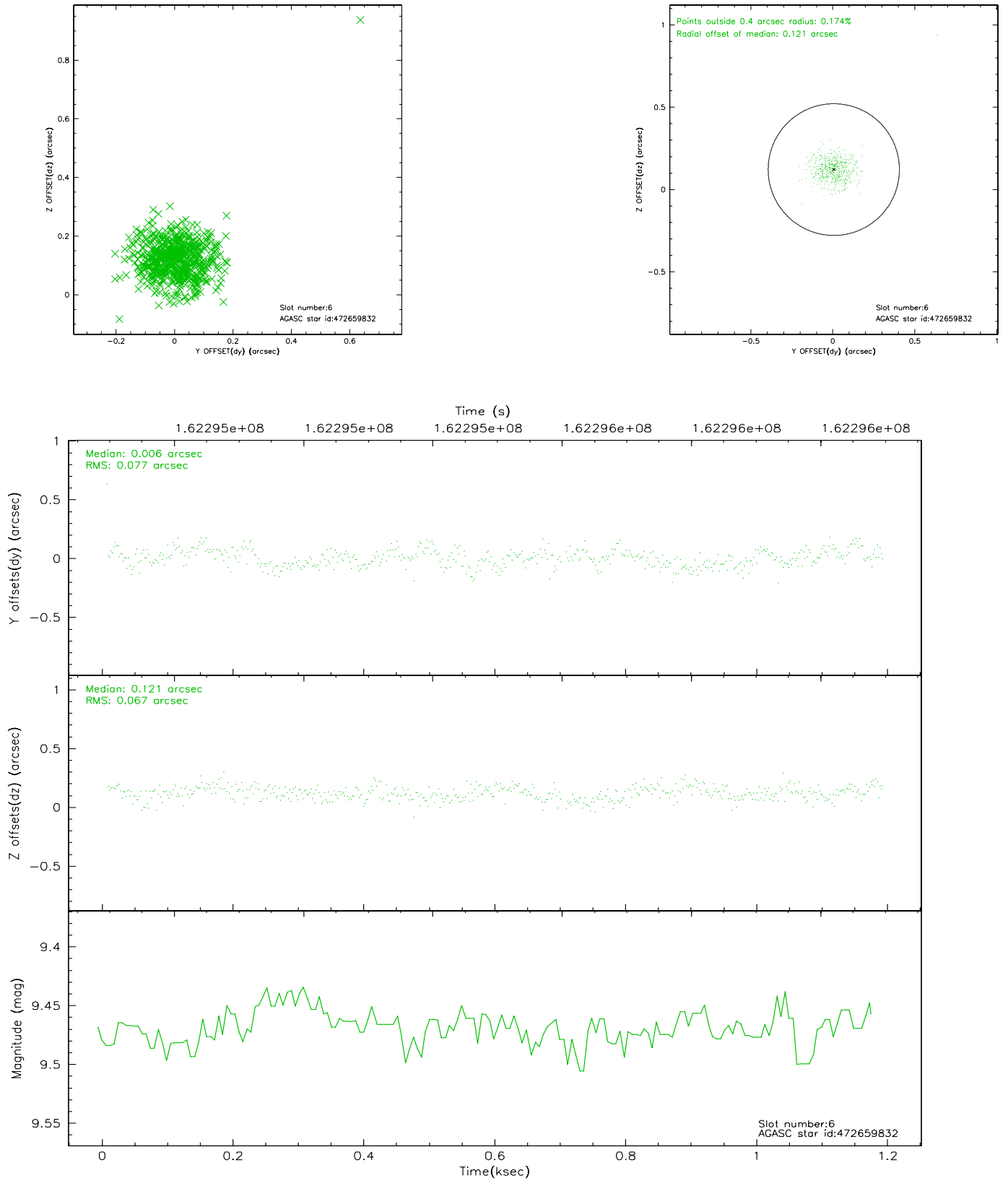
2.4.2 Slot 4



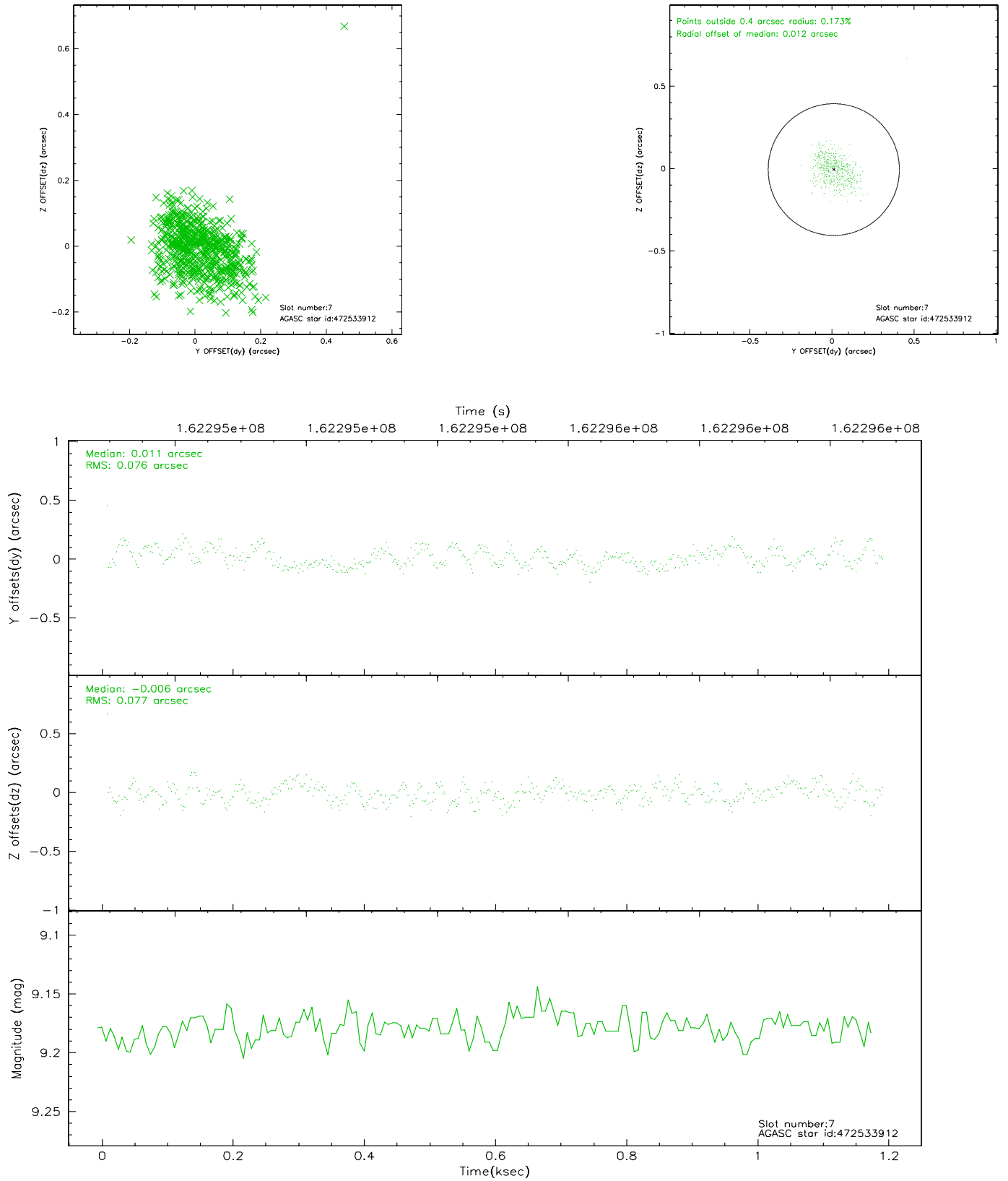
2.4.3 Slot 5



2.4.4 Slot 6

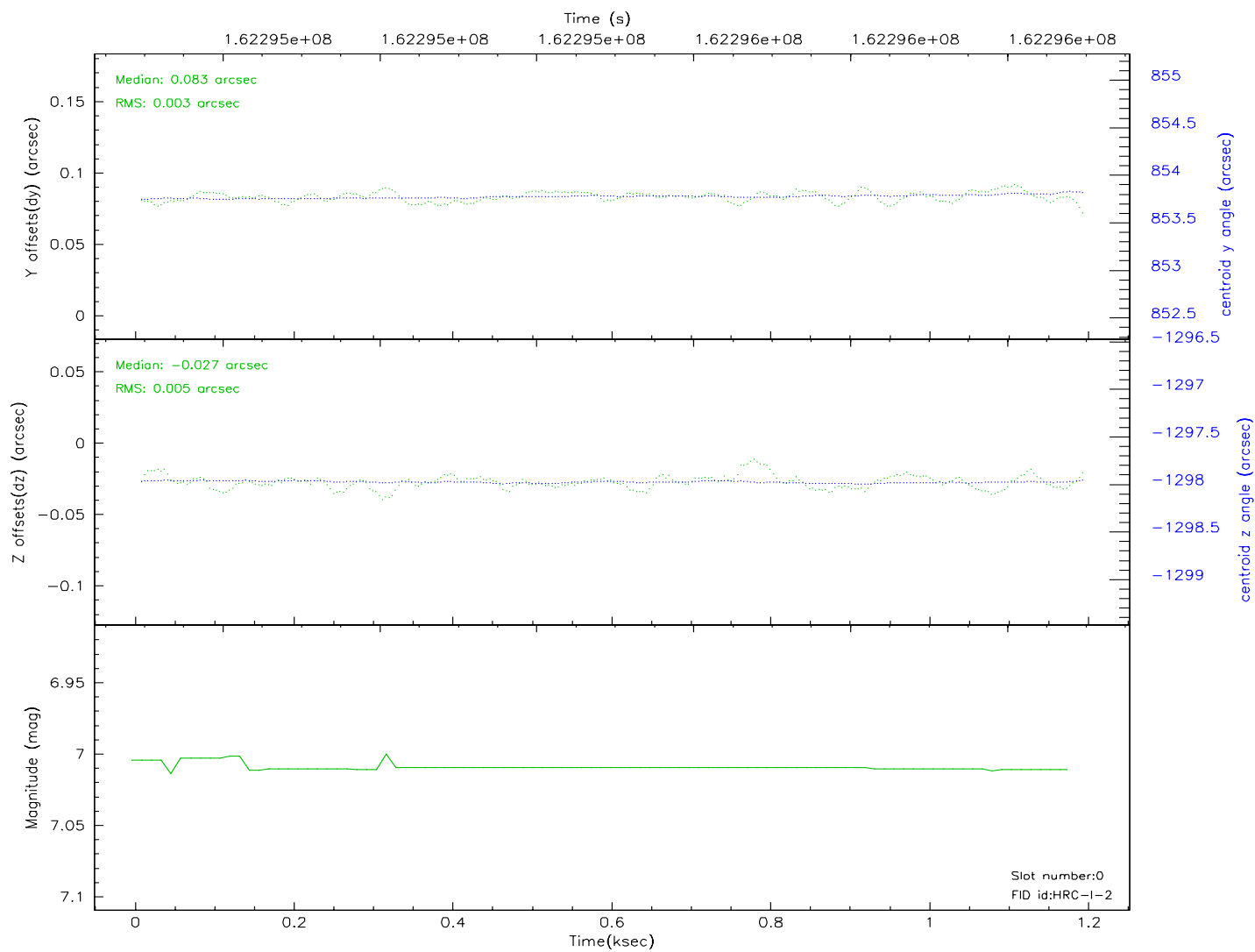
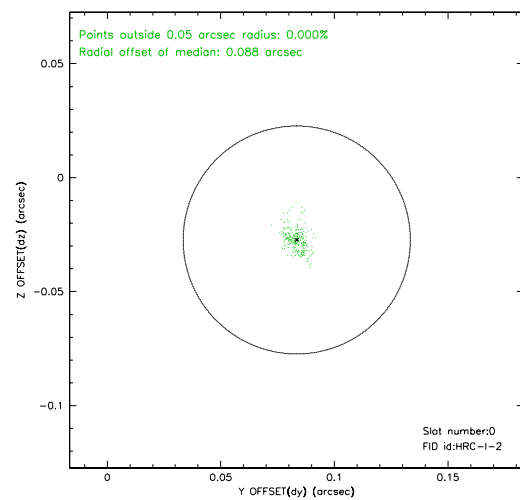
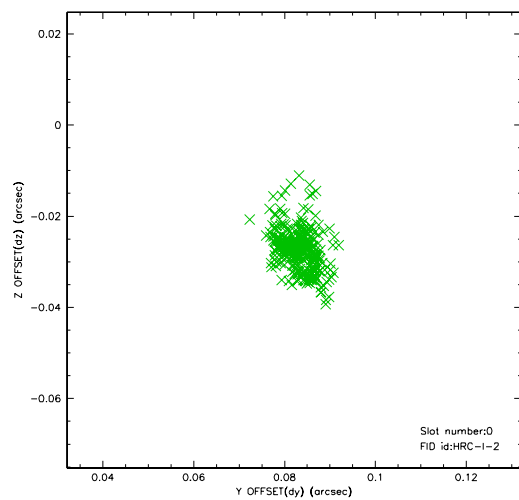


2.4.5 Slot 7

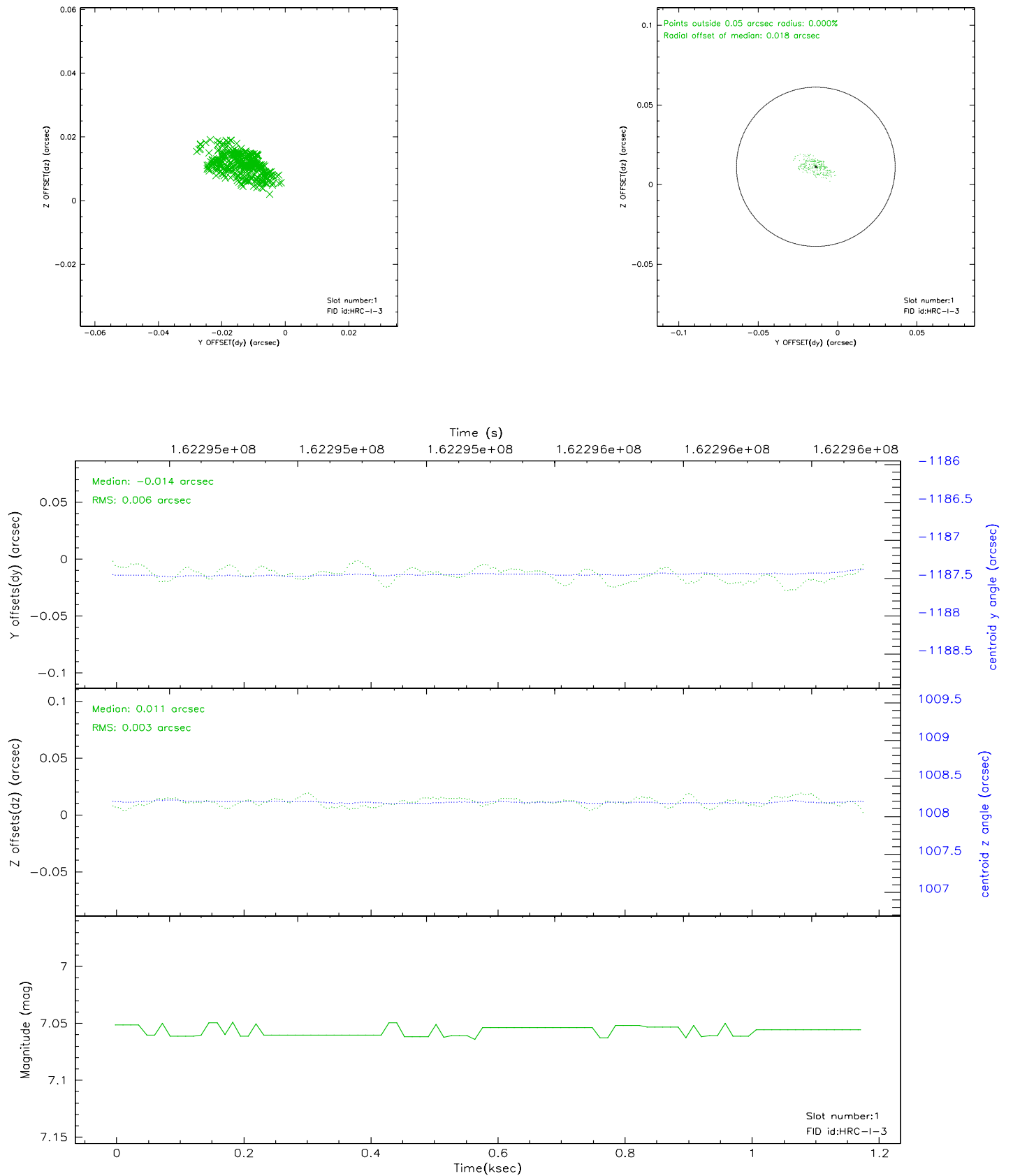


2.5 FID Slots

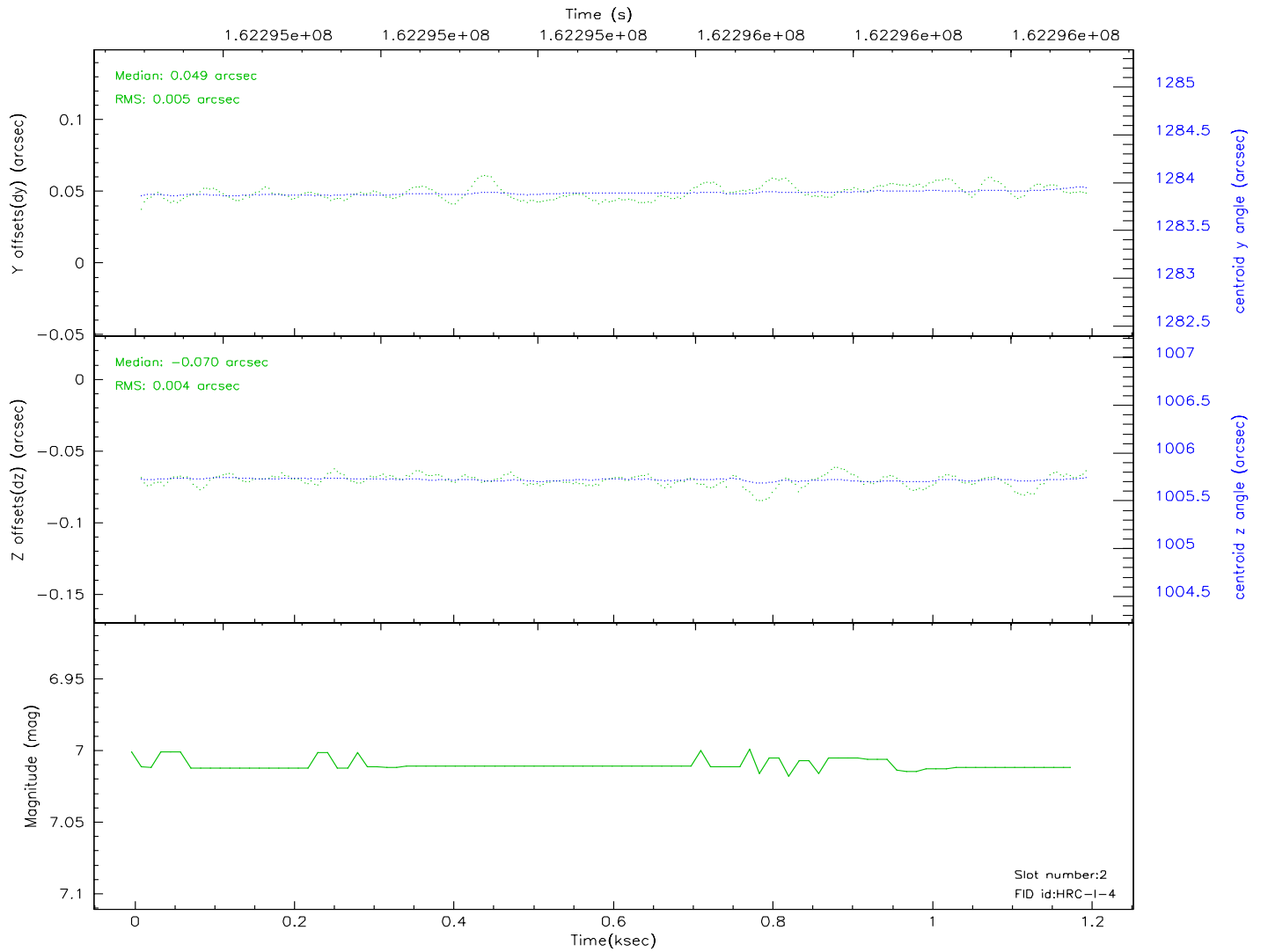
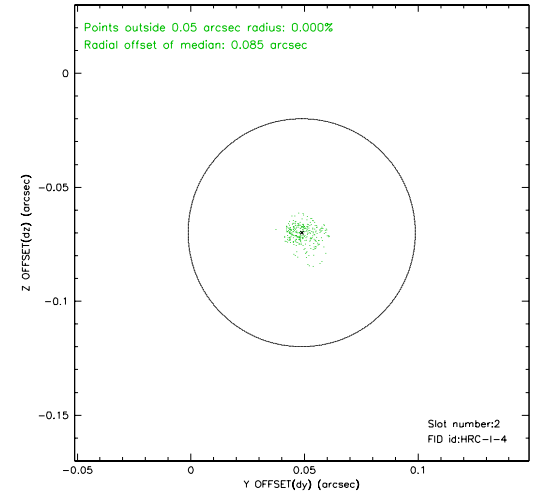
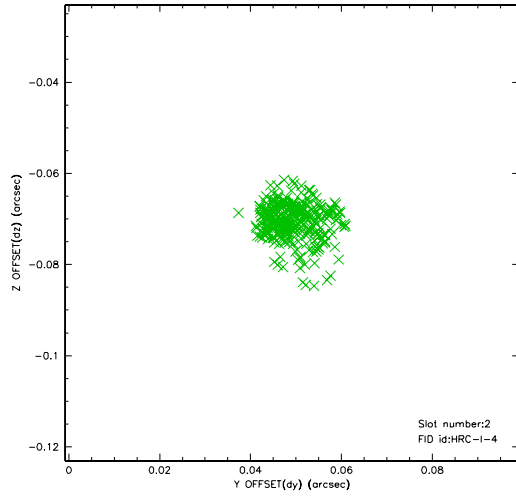
2.5.1 Slot 0



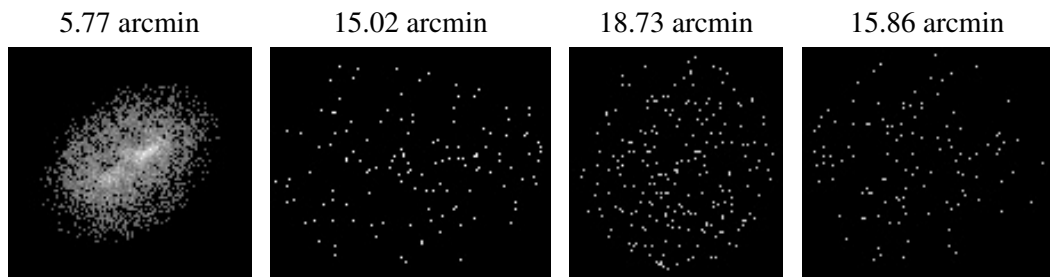
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	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	1.184

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.