

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4305 - L2 Version 3
Chandra X-Ray Center

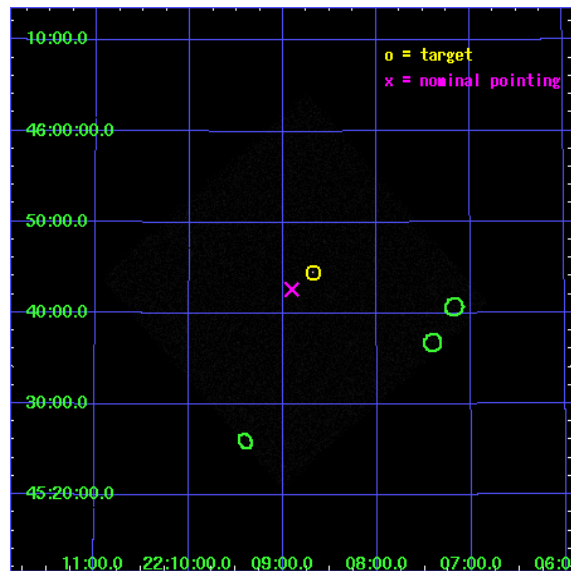
L2 Processing Date : Nov 21 2007

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1 Front

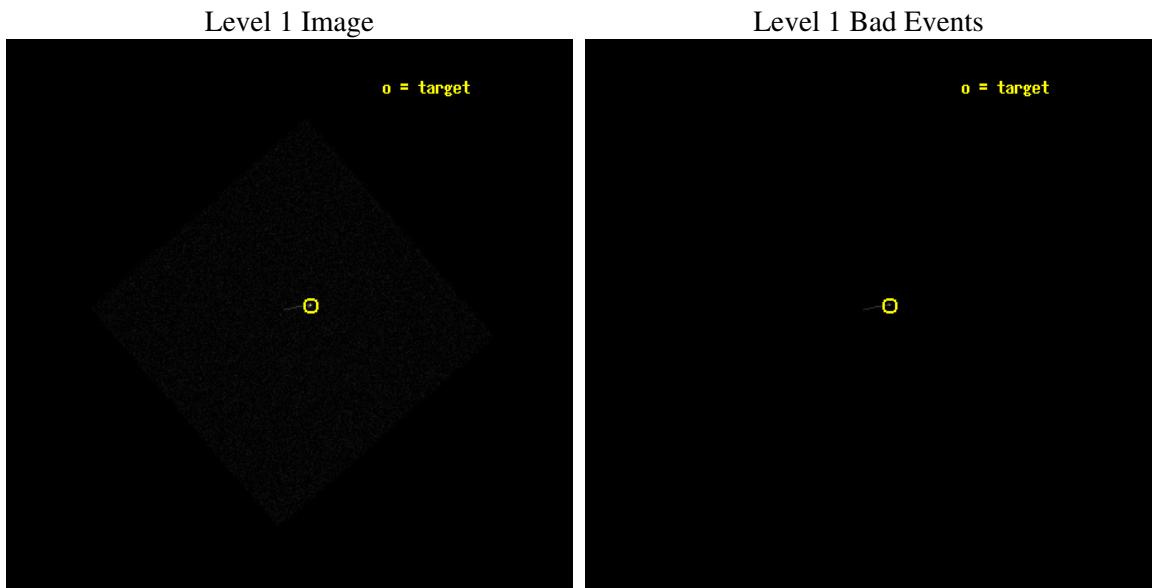
seq_num	290265
obs_id	4305
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.22618575928
dec_nom	45.710828003518
roll_nom	3.8235162498691
revision	3
ontime	1188.2312999666
livetime	1176.6192638467
l2events	47311



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	2007-11-22T03:53:19
revision	3

sched_exp_time	1000.000000
ontime	1188.2312999666
l1events	83075

2.1.3 Events

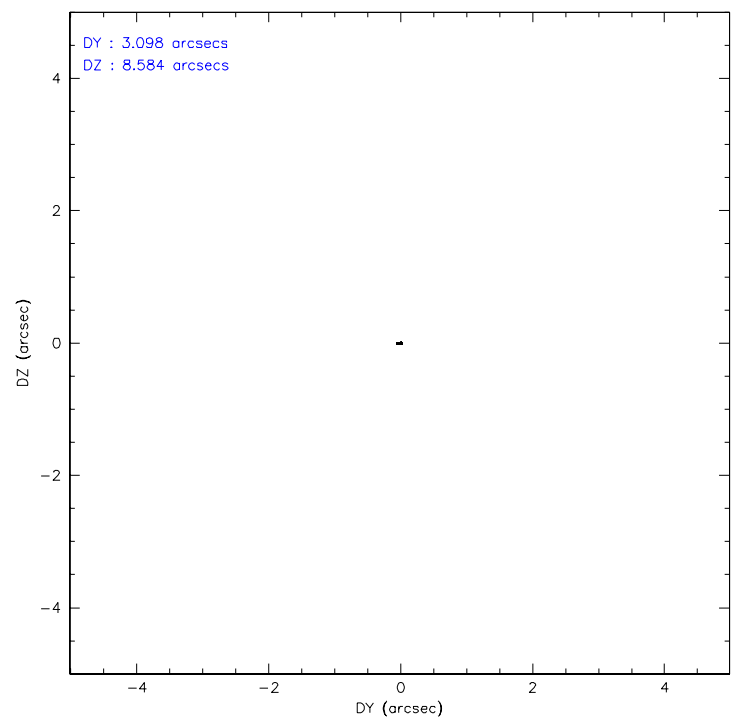
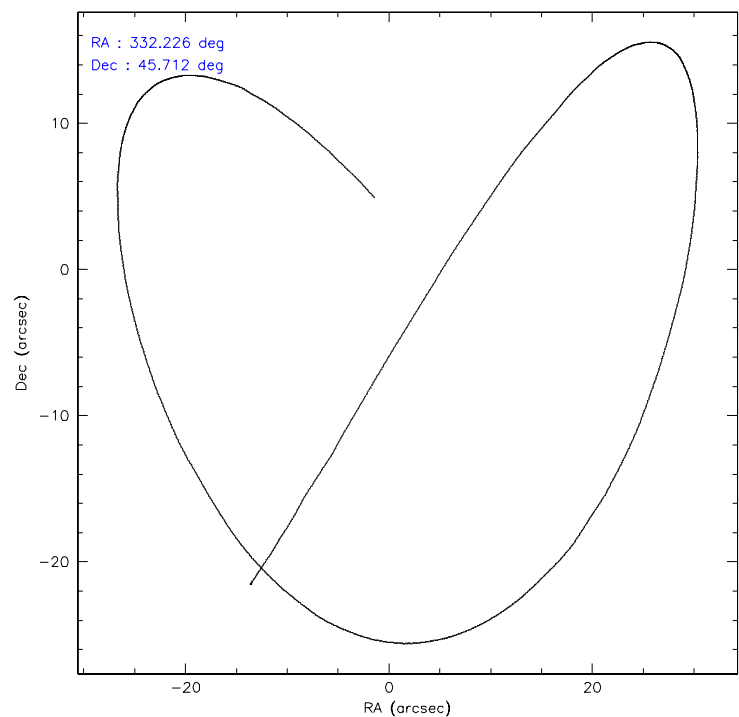
Level 1 Events

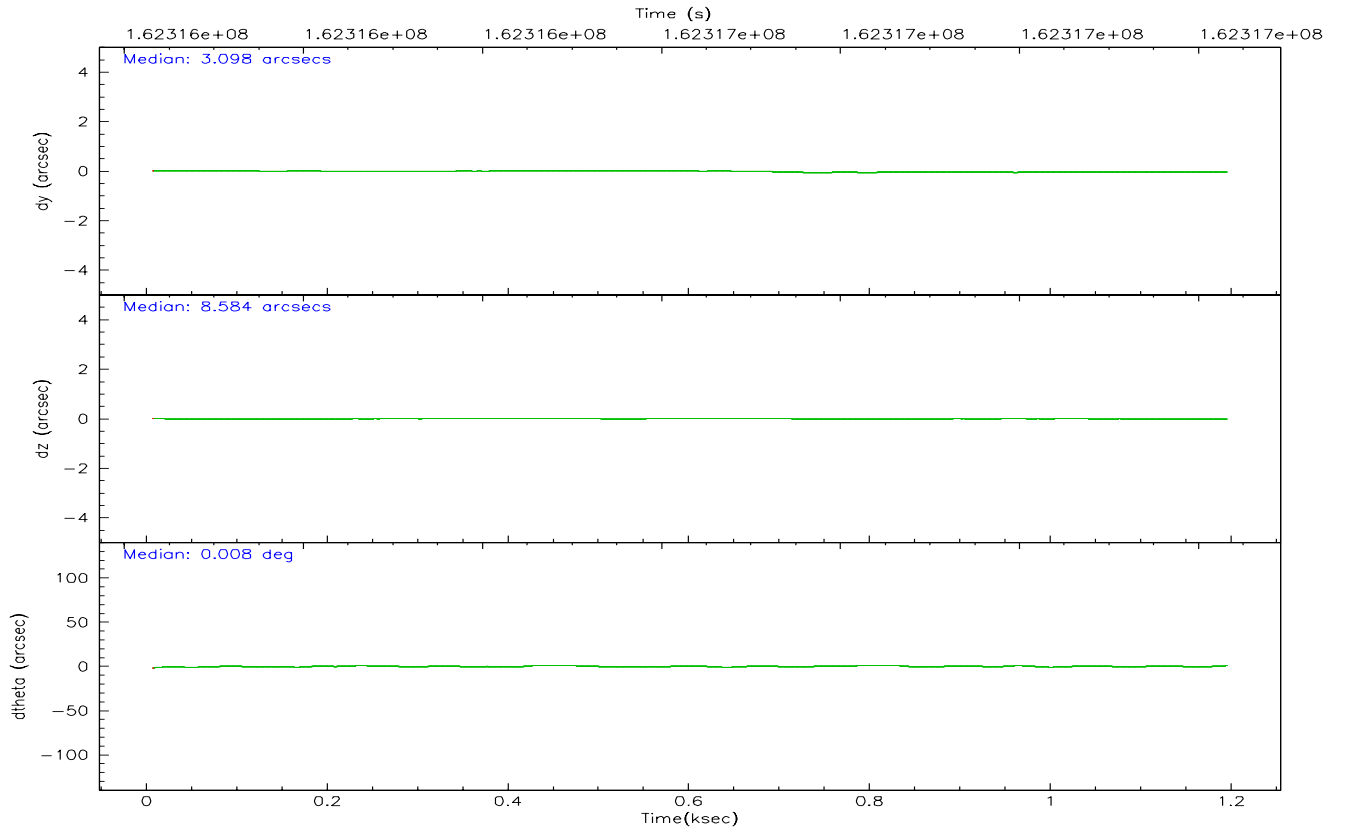
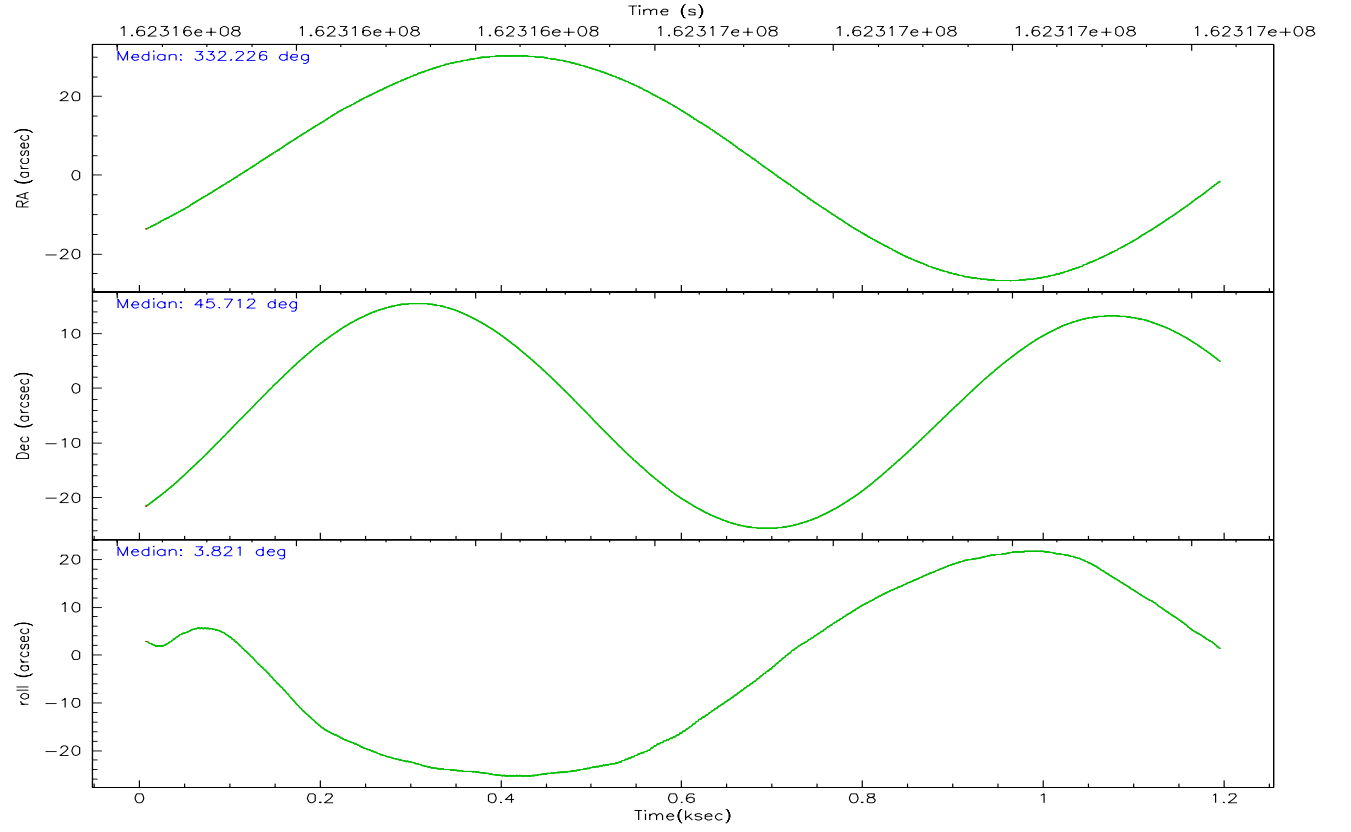
	segment 0
level 1 events	83075
rejected events	16268
rejected %	19%

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	332.194843	332.2261857592778			
Pointing Dec	45.694386	45.7108280035184			
Pointing Roll	3.941489	3.82351624986909			
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	162316228.184000	162315852.07049			
Observation start date	2003-02-22T15:49:24	2003-02-22T15:44:12			
Observation end time	162317228.184000	162317361.89556			
Observation end date	2003-02-22T16:06:04	2003-02-22T16:09:21			

2.3 Aspect



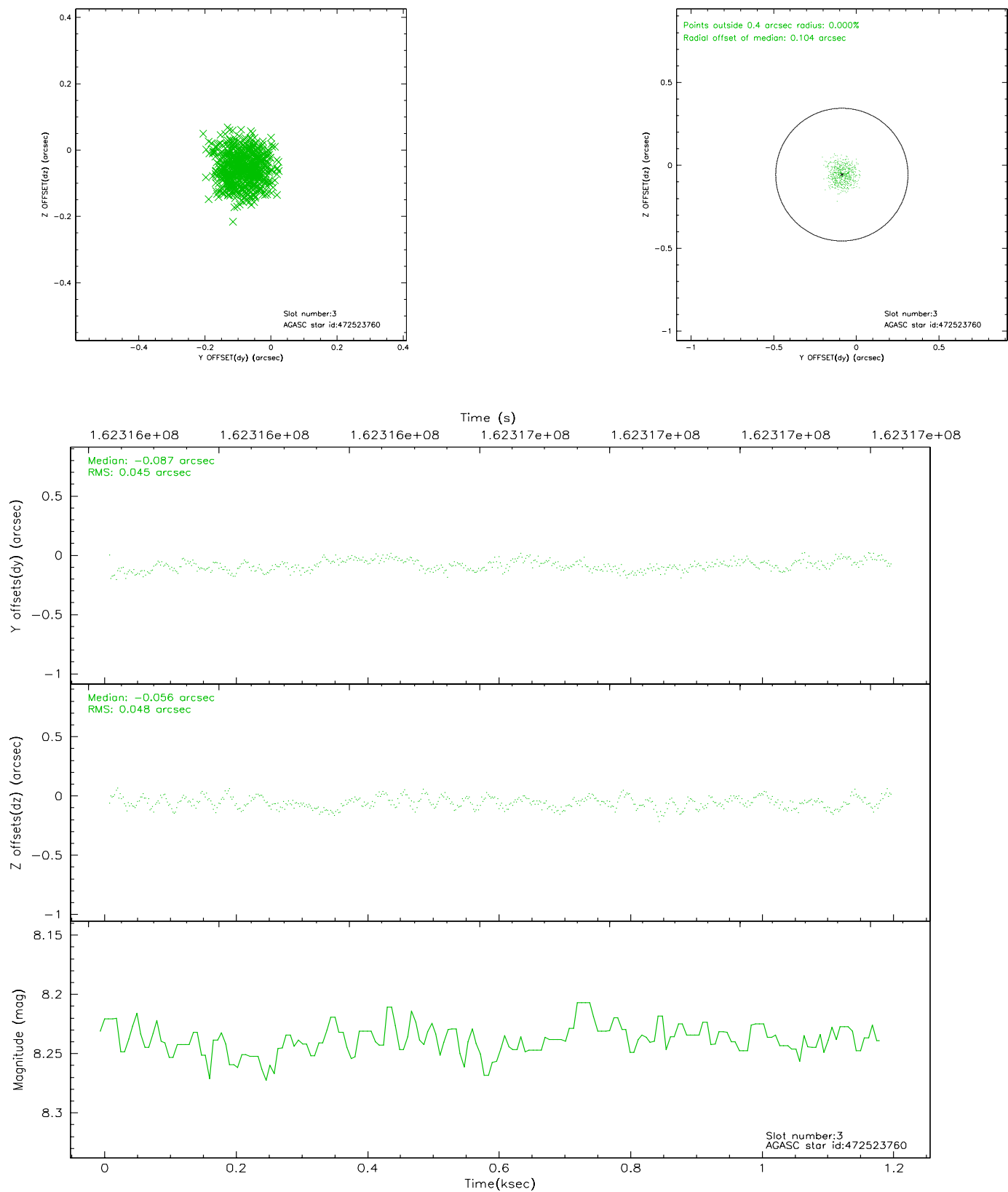


Slot Statistics

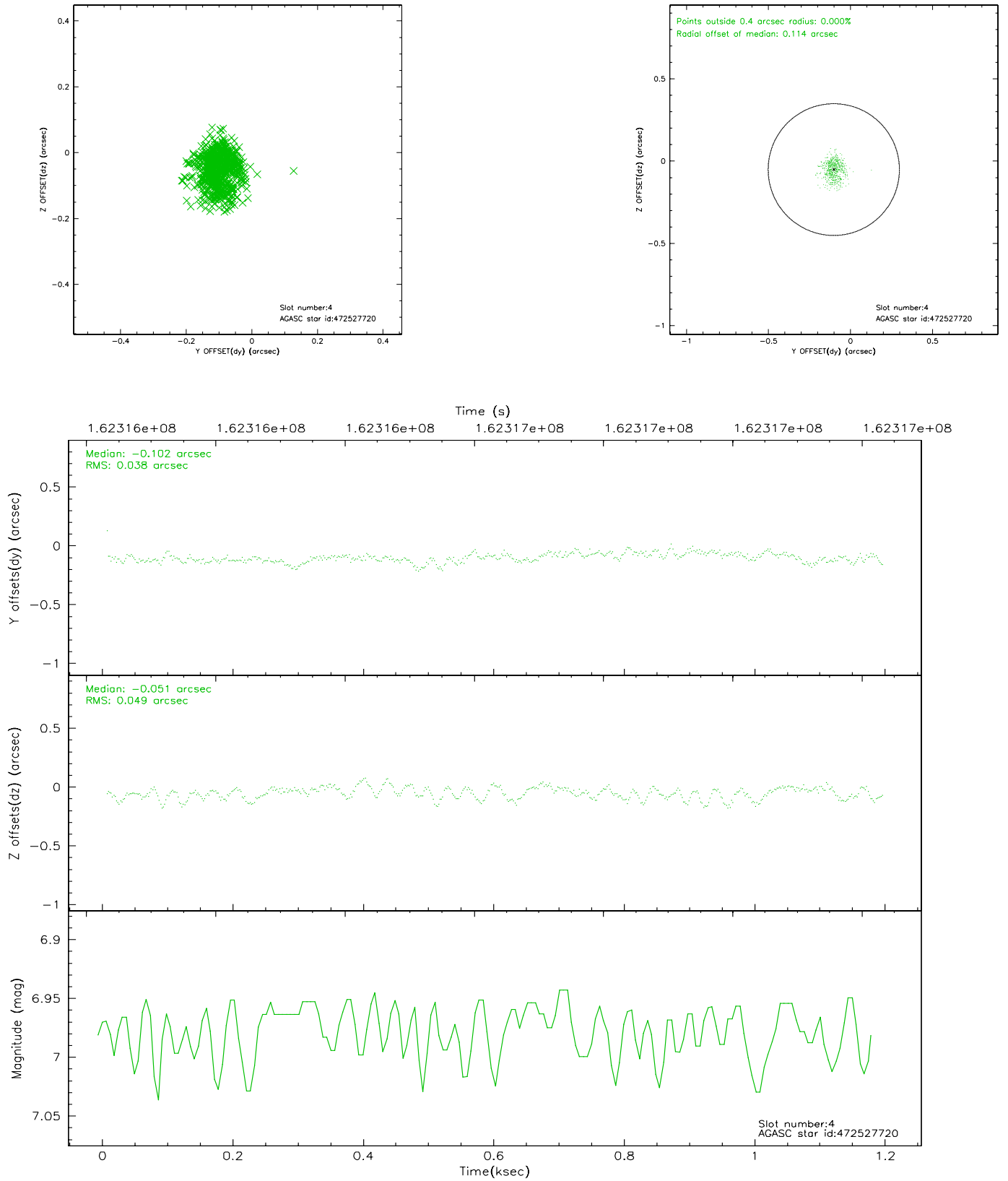
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	291	0.026	0.063	0.007	0.012	0.000000	0.000000	-758.53	-1296.46
1	FID	HRC-I-2	7.01	291	0.076	-0.077	0.006	0.011	0.000000	0.000000	851.54	-1302.62
2	FID	HRC-I-3	7.06	291	0.016	-0.074	0.007	0.011	0.000000	0.000000	-1184.10	1003.49
3	GUIDE	472523760	8.24	581	-0.087	-0.056	0.072	0.109	331.645363	45.403260	-1456.37	-948.50
4	GUIDE	472527720	6.98	581	-0.102	-0.051	0.066	0.106	331.460205	45.112509	-2006.96	-1957.83
5	GUIDE	472654568	9.44	581	0.022	0.001	0.115	0.179	332.194449	45.063576	-159.40	-2271.82
6	GUIDE	472655152	9.43	581	0.155	0.031	0.096	0.152	332.504239	45.862991	816.50	546.89
7	GUIDE	472659832	9.47	579	0.003	0.066	0.088	0.138	332.780399	46.098139	1560.91	1353.10

2.4 Star Slots

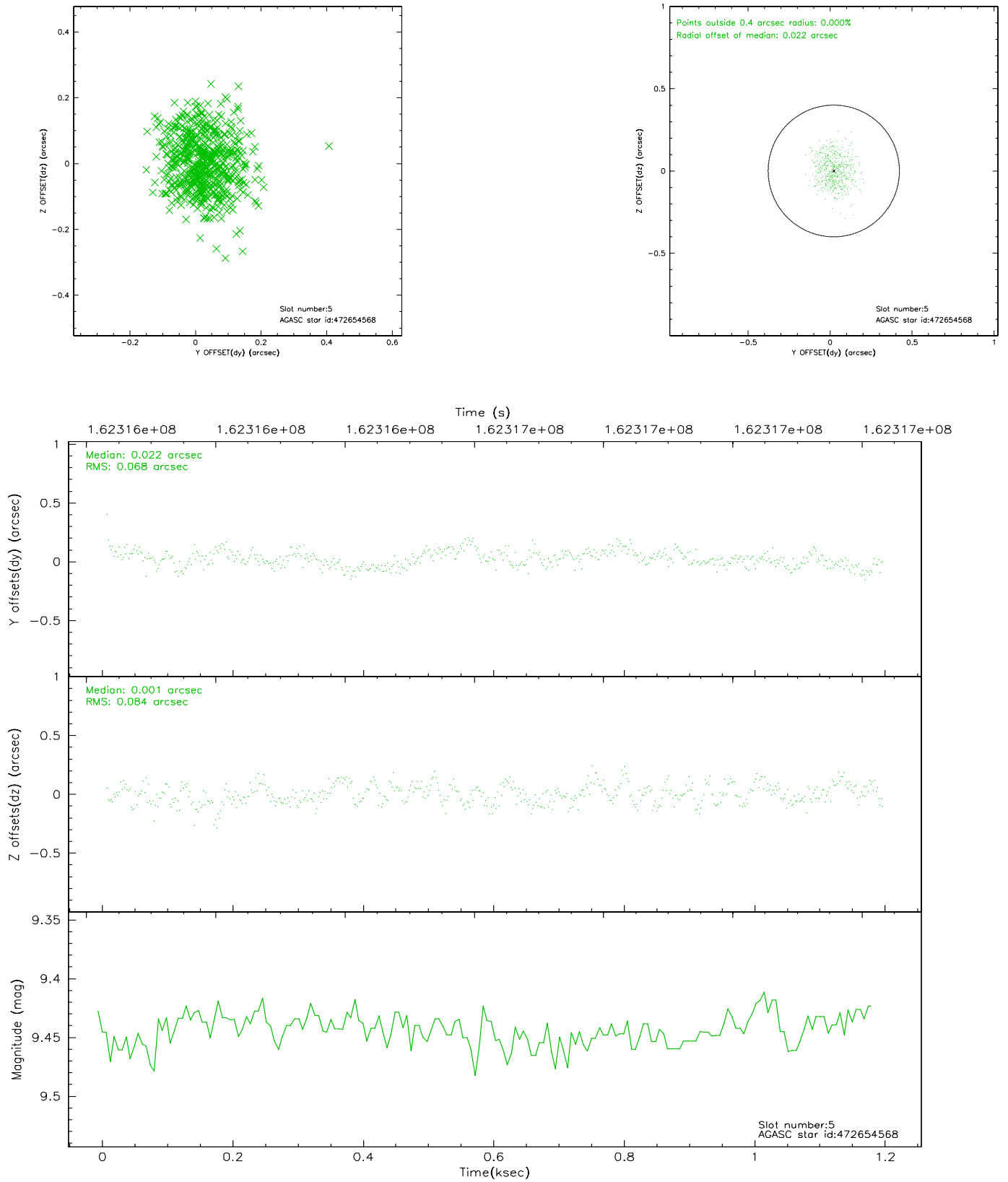
2.4.1 Slot 3



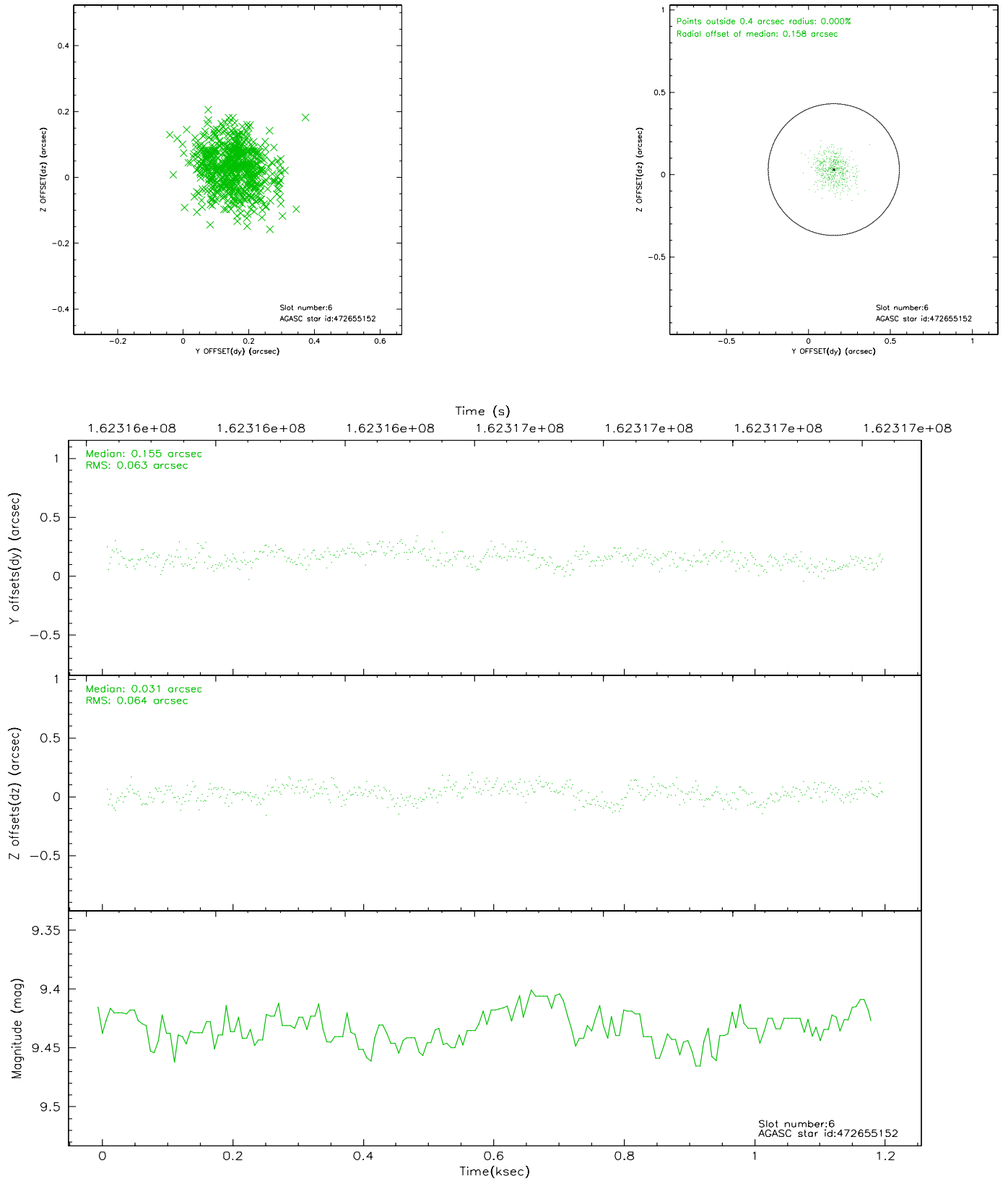
2.4.2 Slot 4



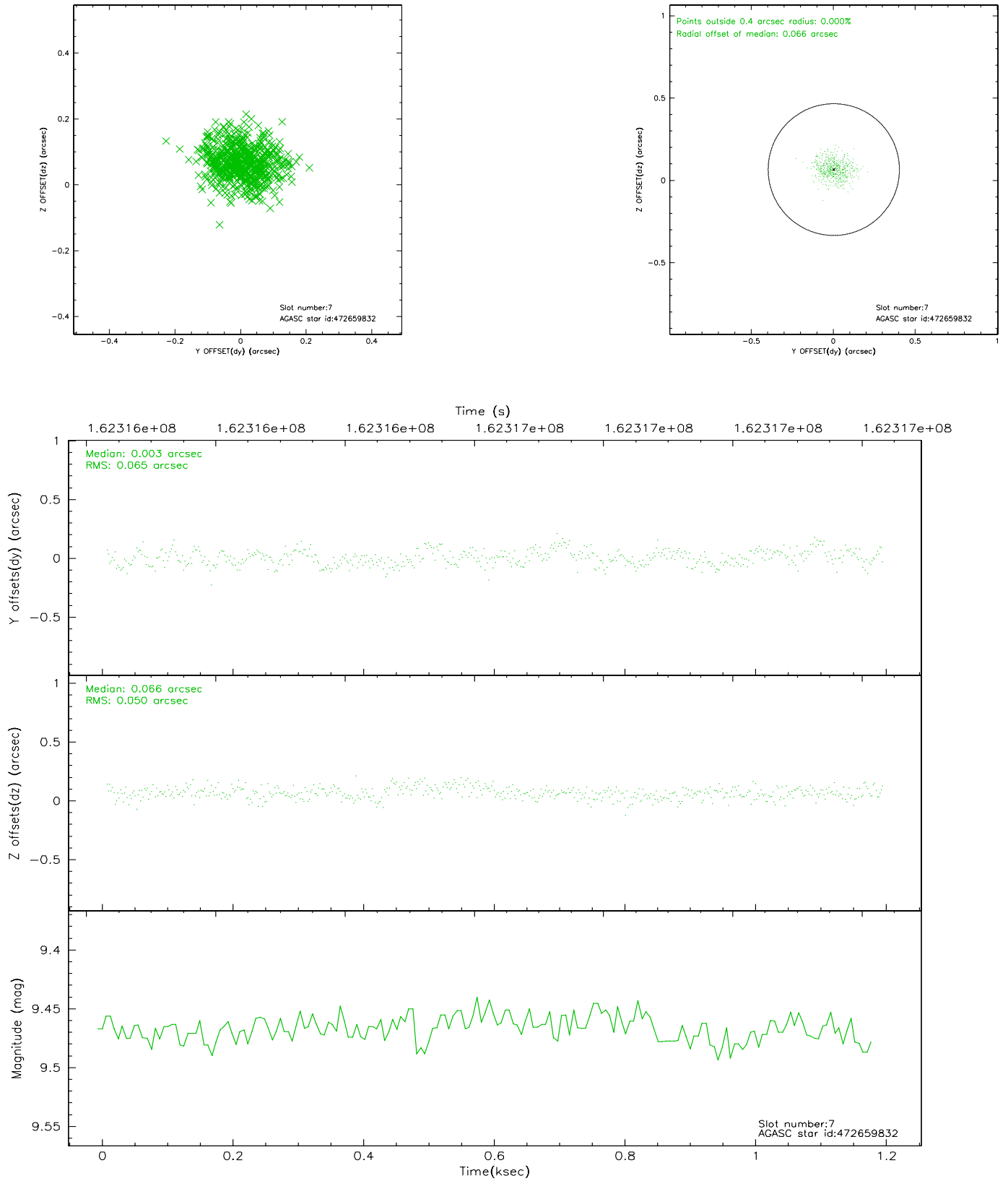
2.4.3 Slot 5



2.4.4 Slot 6

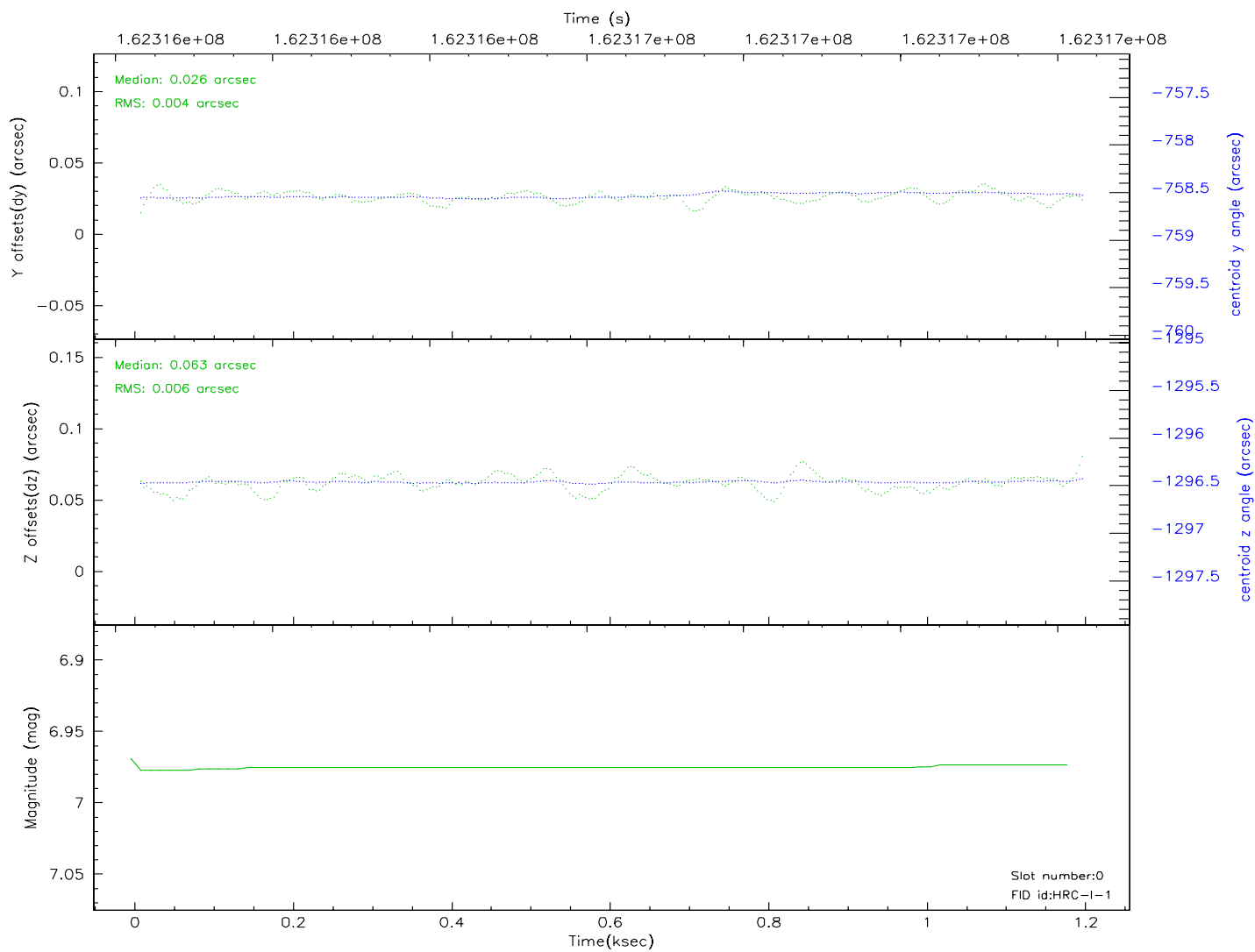
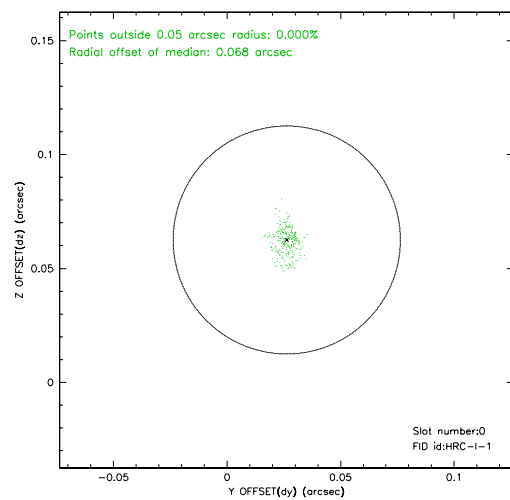
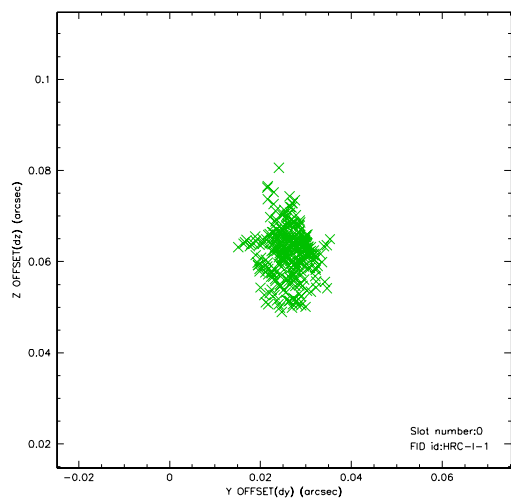


2.4.5 Slot 7

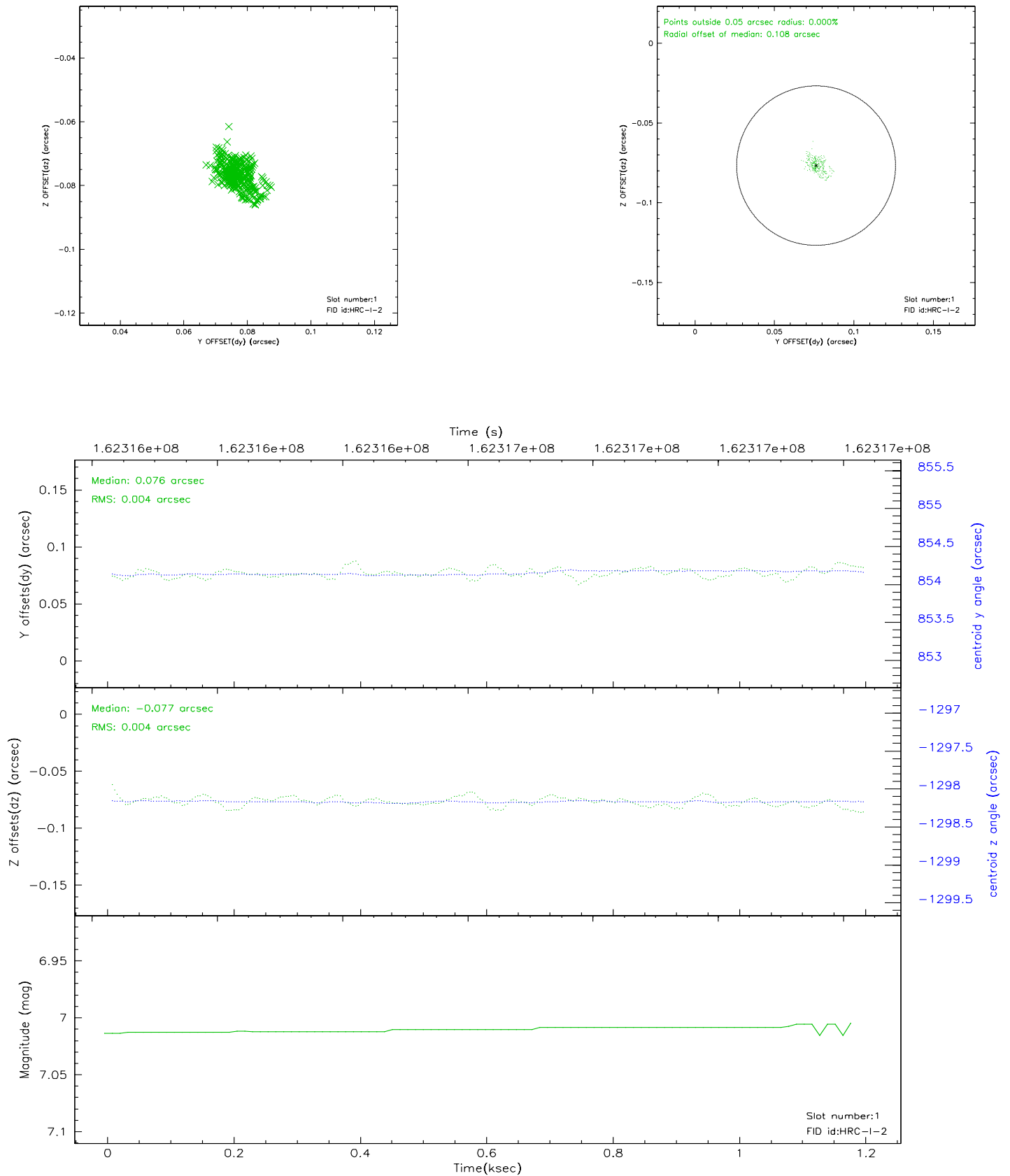


2.5 FID Slots

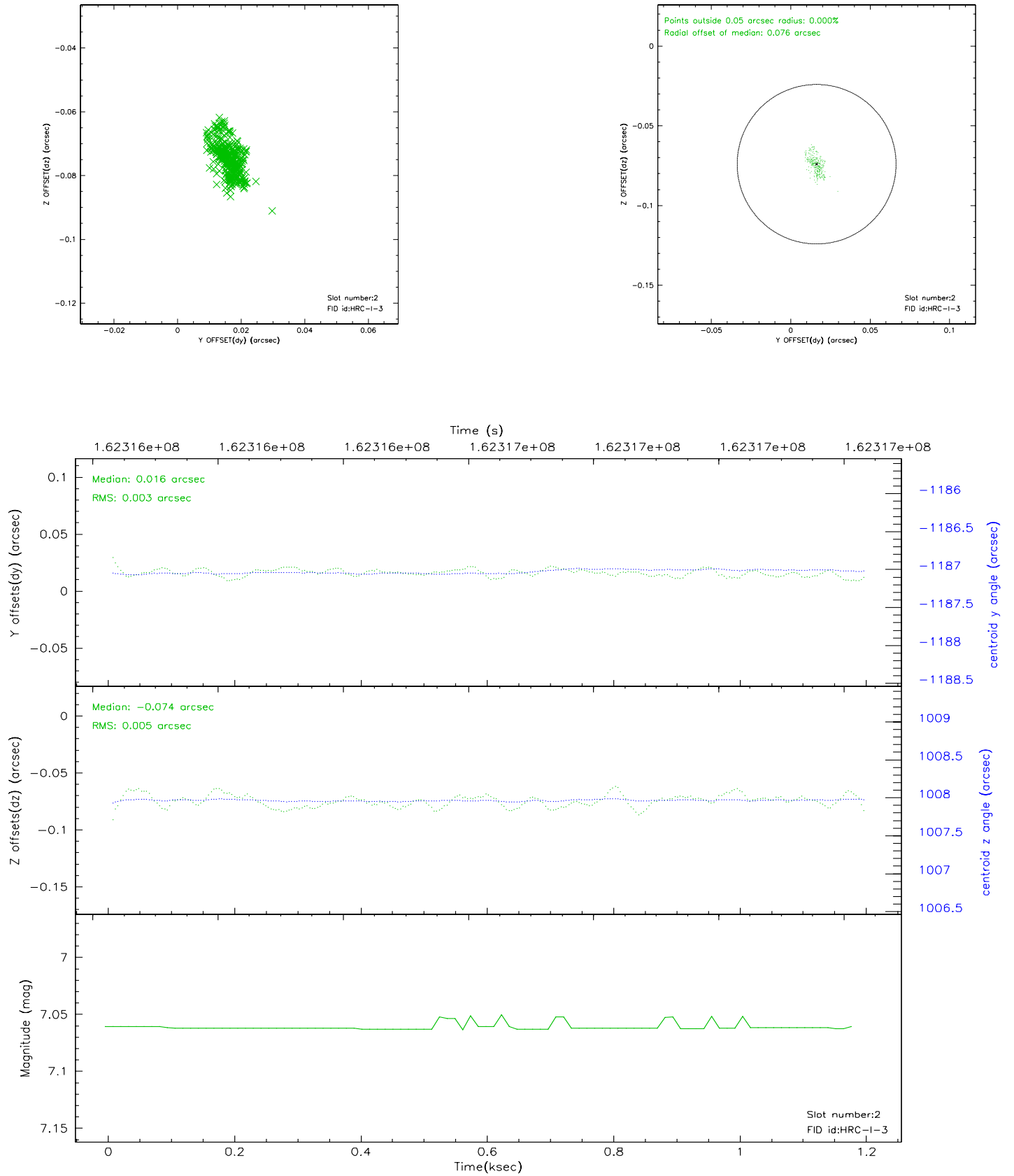
2.5.1 Slot 0



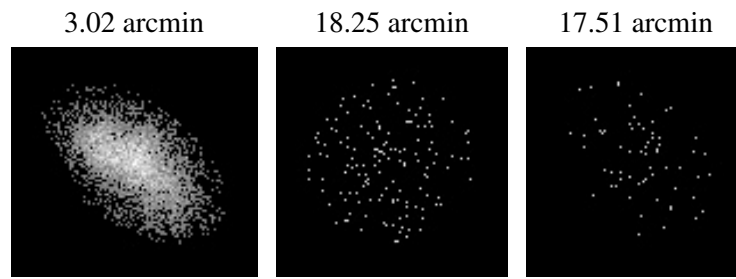
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	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	1.188

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.