

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4307 - L2 Version 3
Chandra X-Ray Center

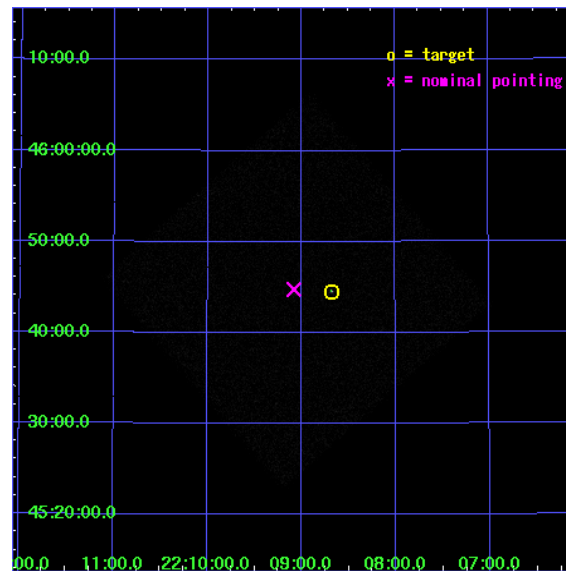
L2 Processing Date : Nov 22 2007

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1 Front

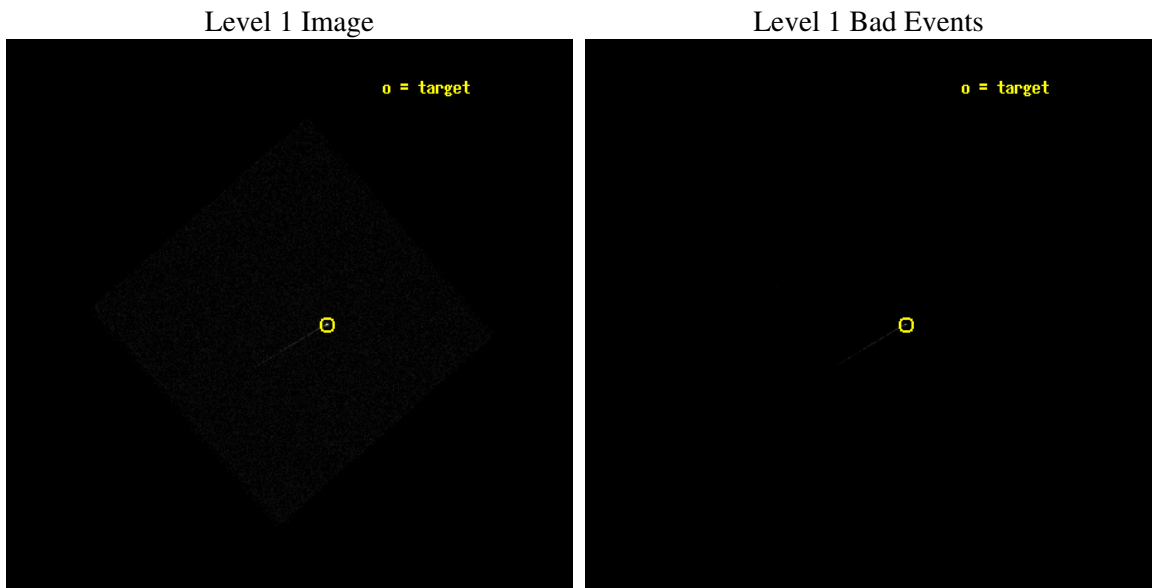
seq_num	290267
obs_id	4307
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.27022322314
dec_nom	45.745971869906
roll_nom	3.8106410658775
revision	3
ontime	1186.1812998652
livetime	1179.5170392504
l2events	38628



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	2007-11-22T04:47:44
revision	3

sched_exp_time	1000.000000
ontime	1186.1812998652
l1events	69008

2.1.3 Events

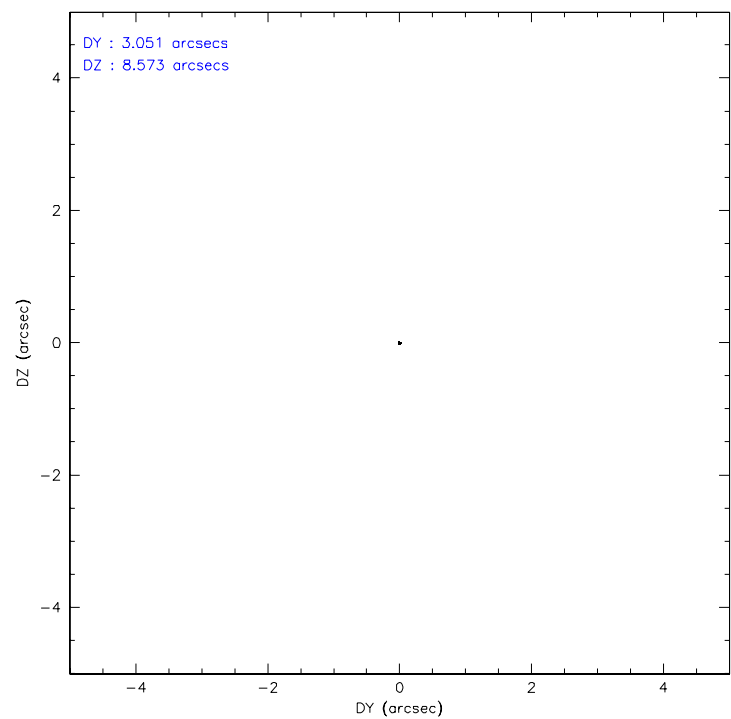
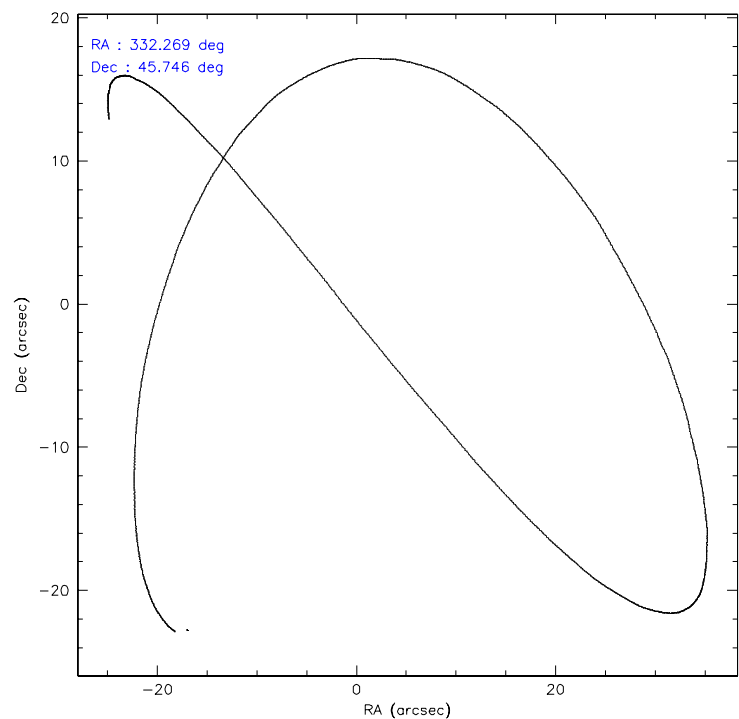
Level 1 Events

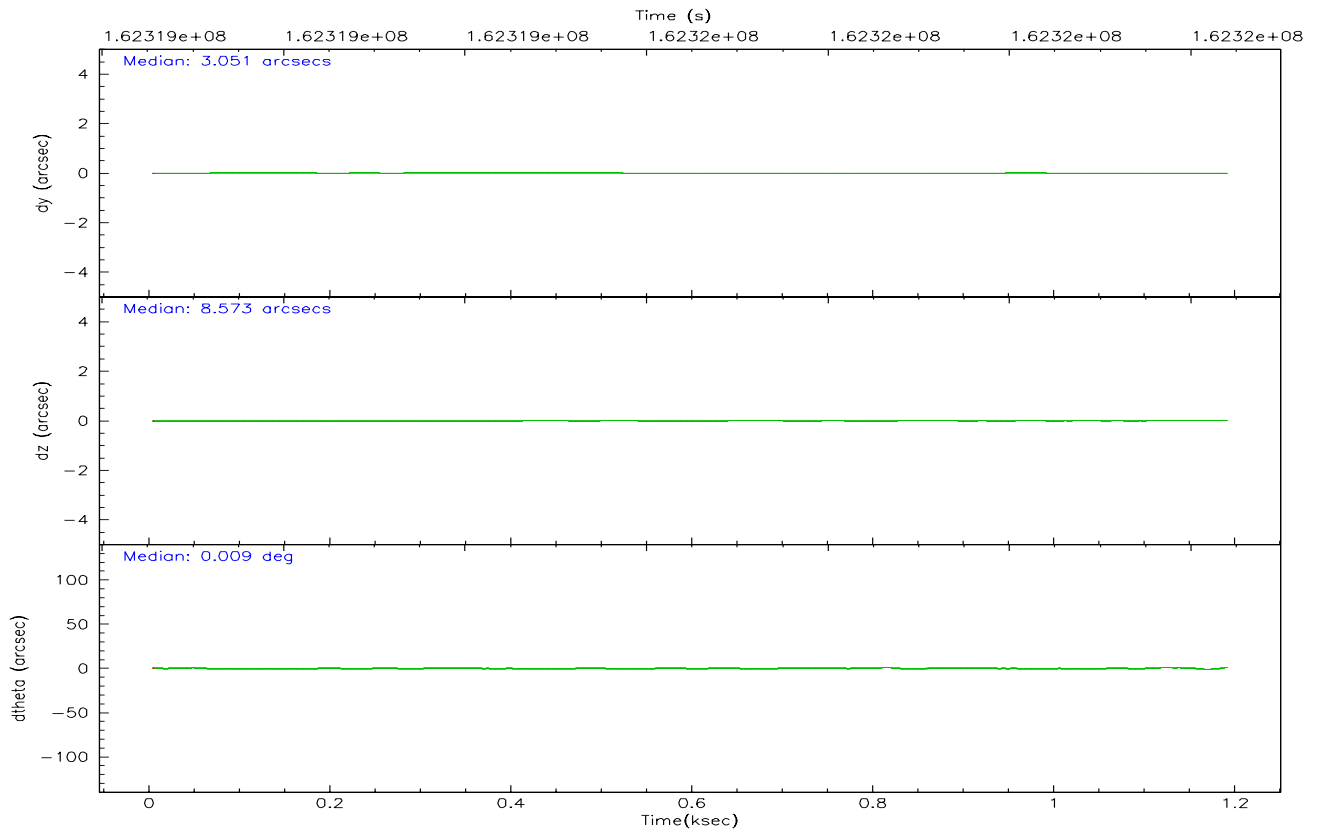
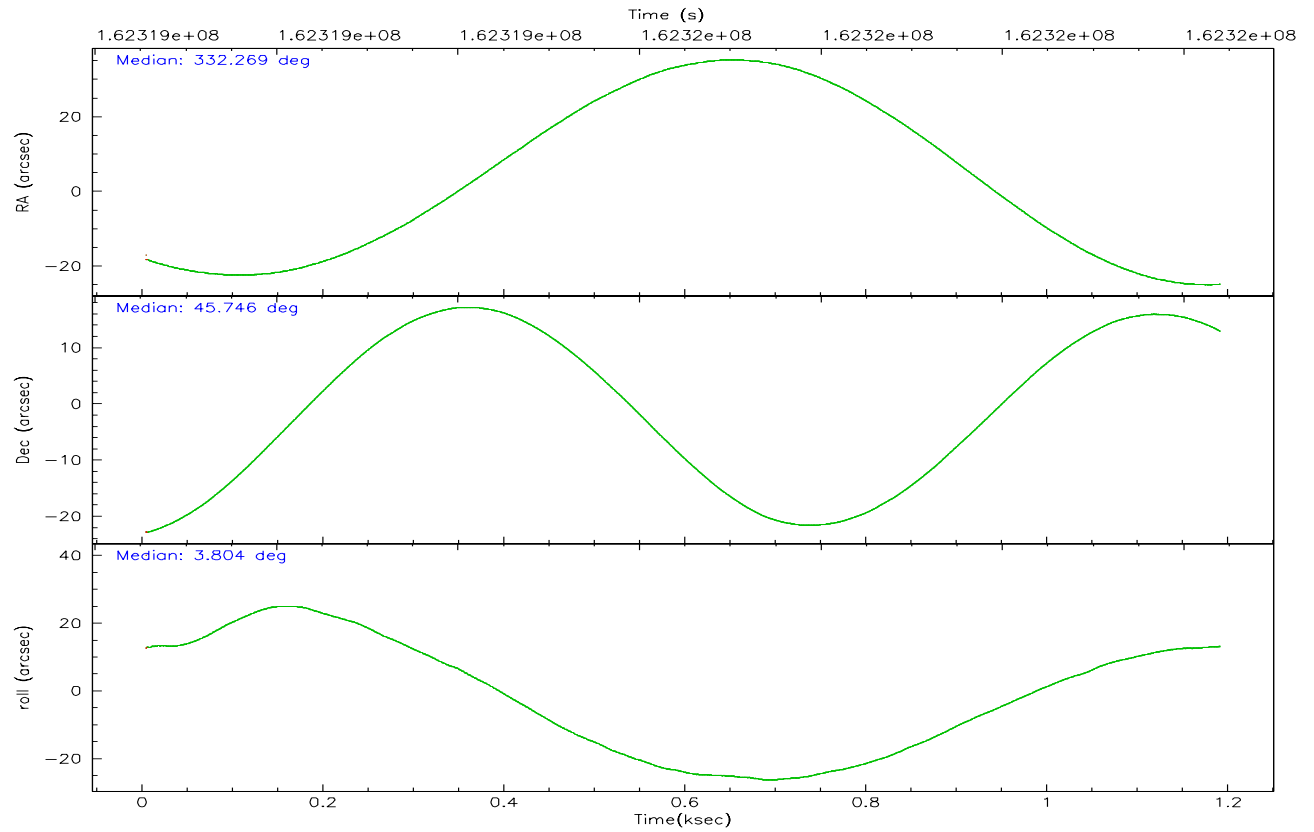
	segment 0
level 1 events	69008
rejected events	14281
rejected %	20%

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	332.239196	332.2702232231375			
Pointing Dec	45.729936	45.74597186990614			
Pointing Roll	3.928373	3.8106410658775			
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	162319248.184000	162318871.72062			
Observation start date	2003-02-22T16:39:44	2003-02-22T16:34:31			
Observation end time	162320248.184000	162320381.54568			
Observation end date	2003-02-22T16:56:24	2003-02-22T16:59:41			

2.3 Aspect



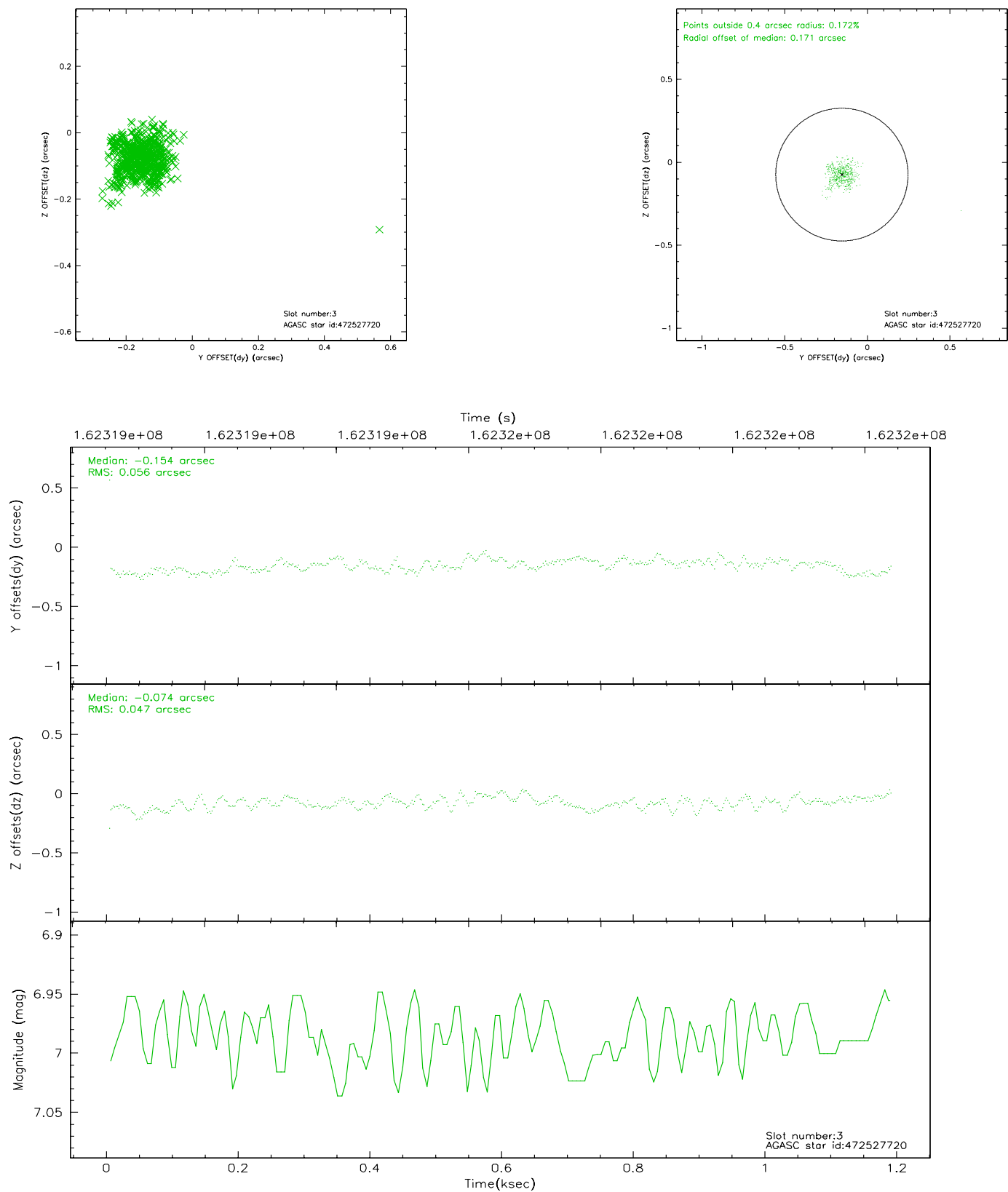


Slot Statistics

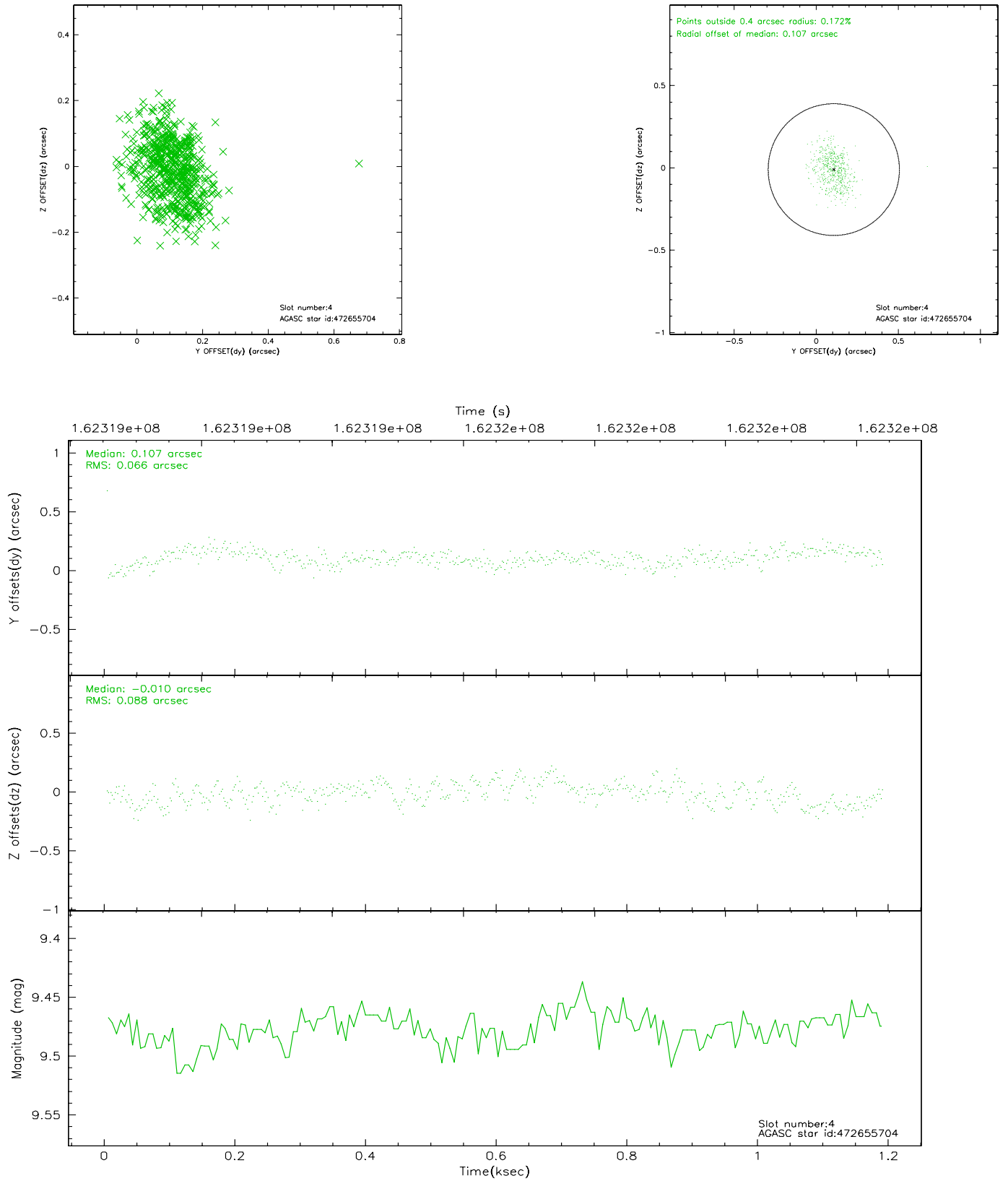
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	290	0.024	0.065	0.007	0.011	0.000000	0.000000	-758.50	-1296.44
1	FID	HRC-I-2	7.01	290	0.080	-0.078	0.006	0.010	0.000000	0.000000	851.57	-1302.63
2	FID	HRC-I-3	7.06	288	0.015	-0.076	0.007	0.011	0.000000	0.000000	-1184.04	1003.46
3	GUIDE	472527720	6.99	580	-0.154	-0.074	0.072	0.112	331.460205	45.112509	-2124.14	-2074.30
4	GUIDE	472655704	9.48	580	0.107	-0.010	0.117	0.188	332.167195	45.285228	-293.09	-1589.75
5	GUIDE	472659832	9.46	580	0.060	0.050	0.094	0.338	332.780399	46.098139	1440.27	1230.45
6	GUIDE	472533912	9.18	580	-0.012	-0.044	0.118	0.169	331.791136	46.368695	-948.65	2373.96
7	GUIDE	472654568	9.45	579	-0.017	0.063	0.117	0.186	332.194449	45.063576	-277.37	-2382.80

2.4 Star Slots

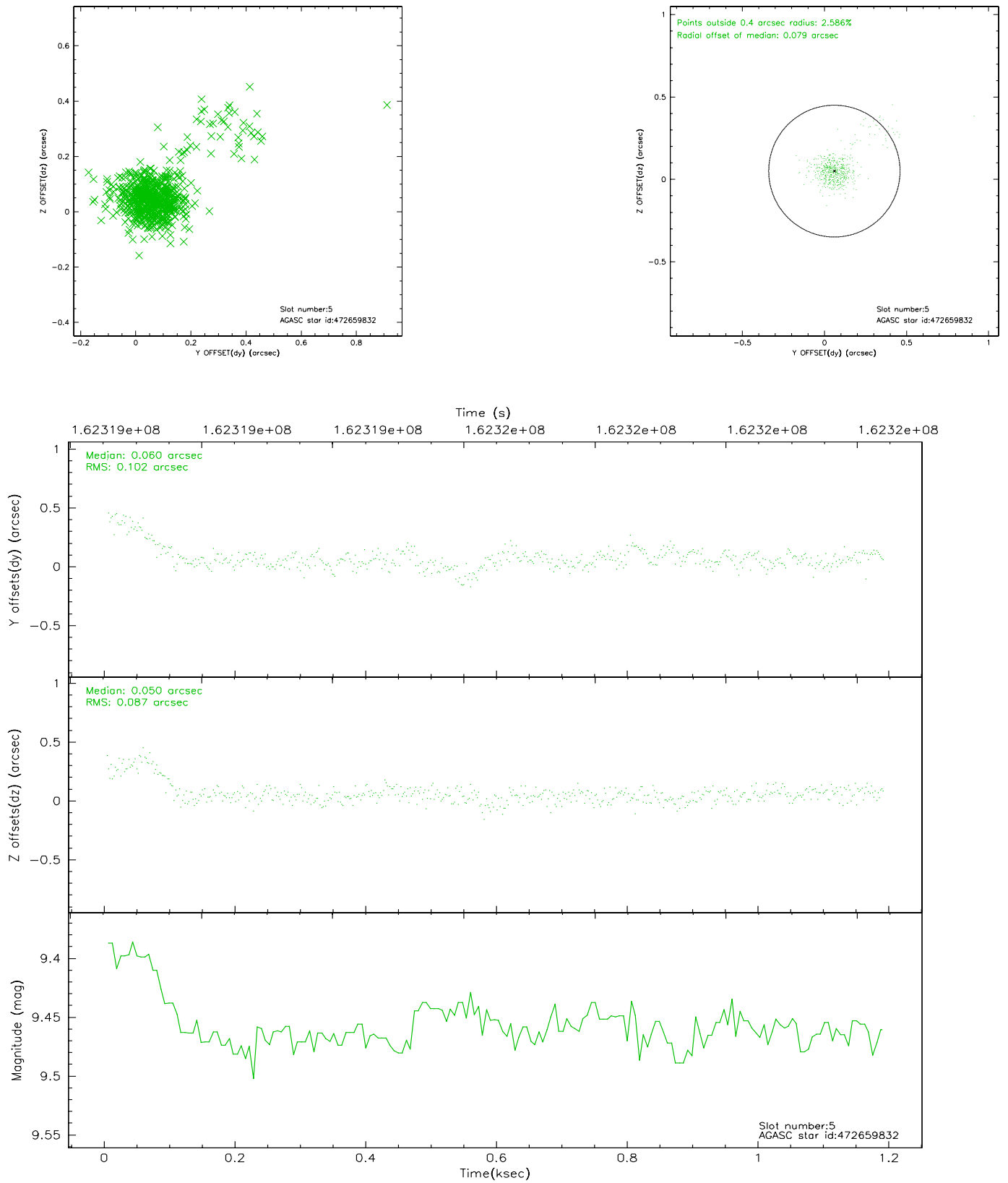
2.4.1 Slot 3



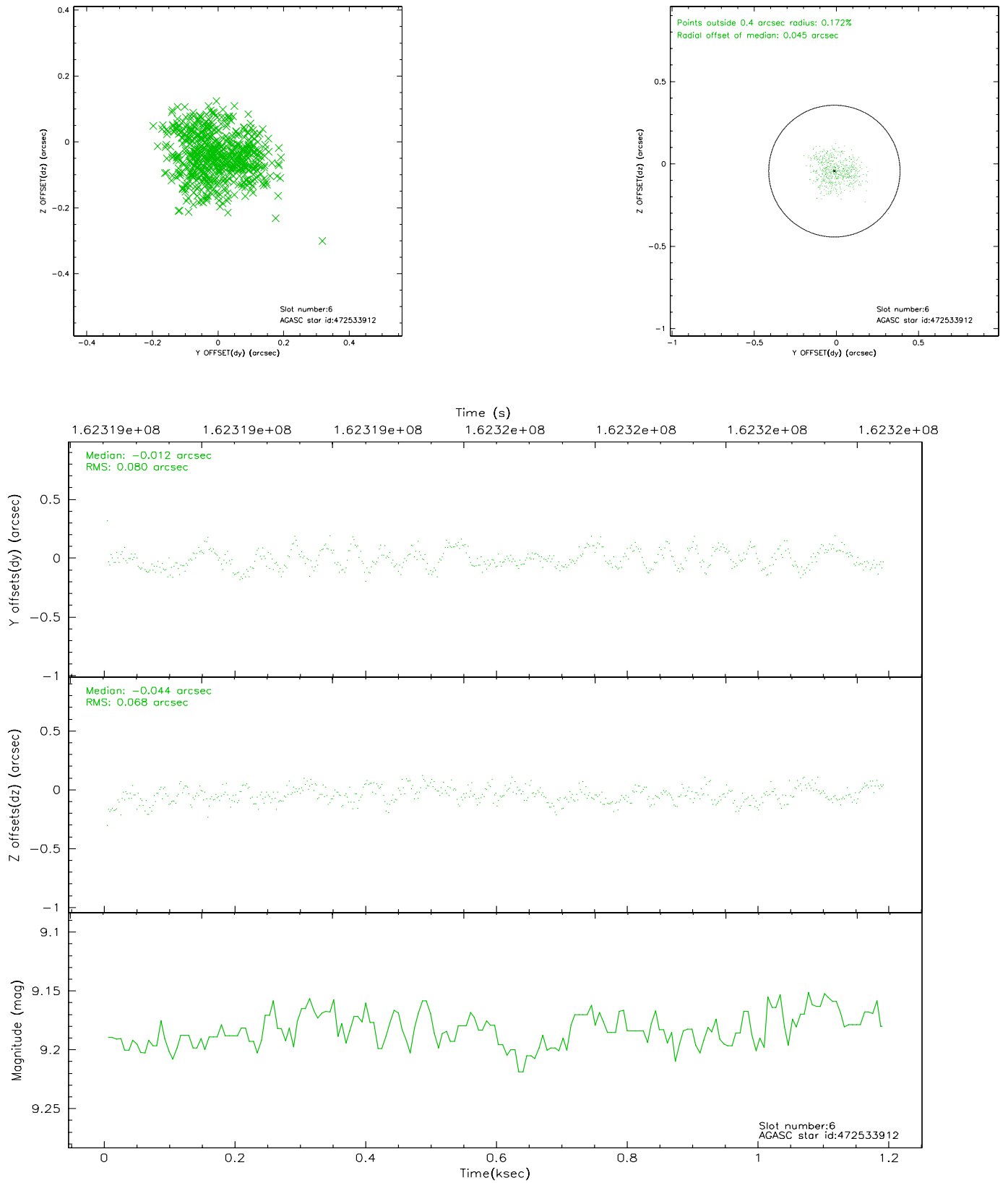
2.4.2 Slot 4



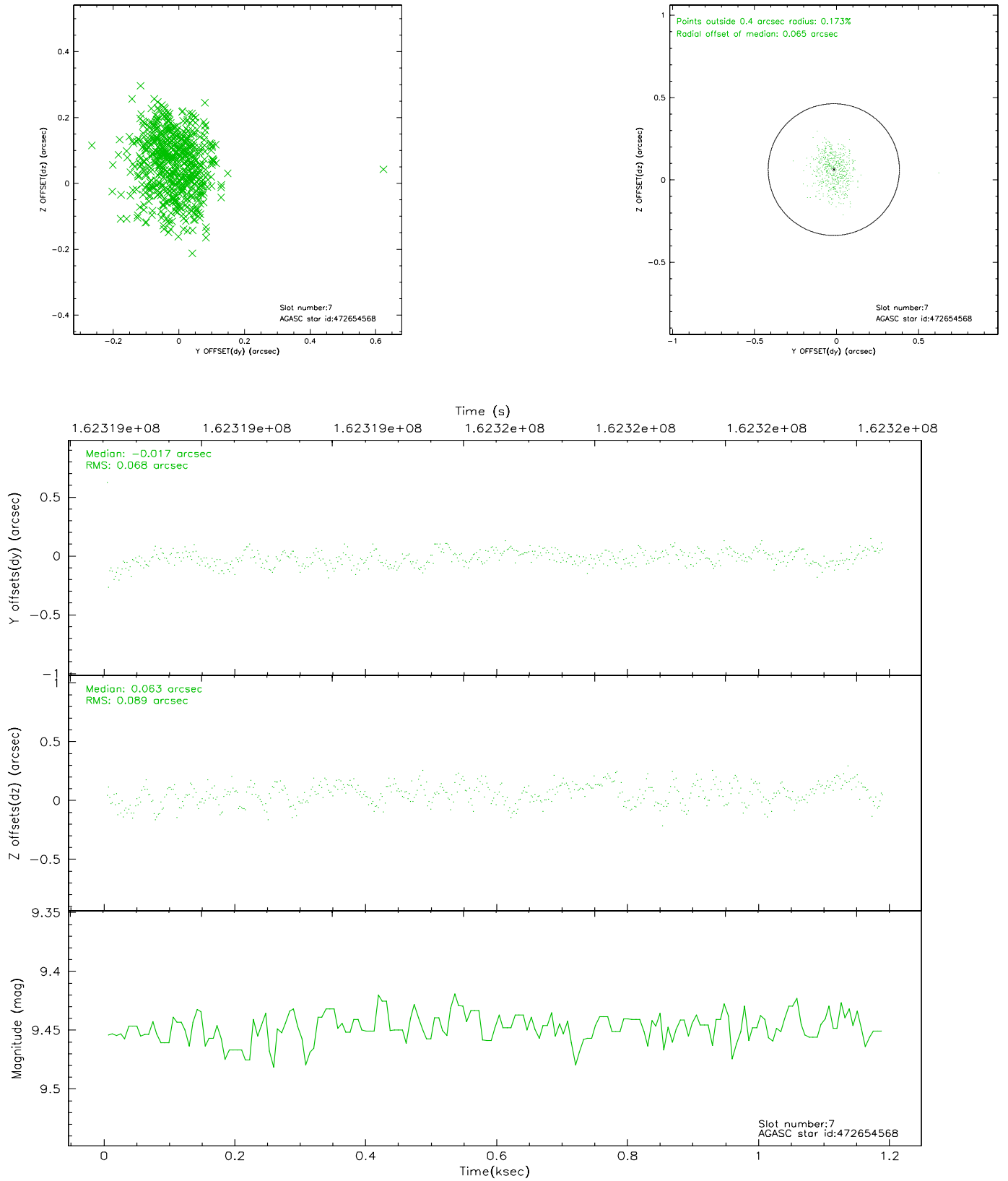
2.4.3 Slot 5



2.4.4 Slot 6

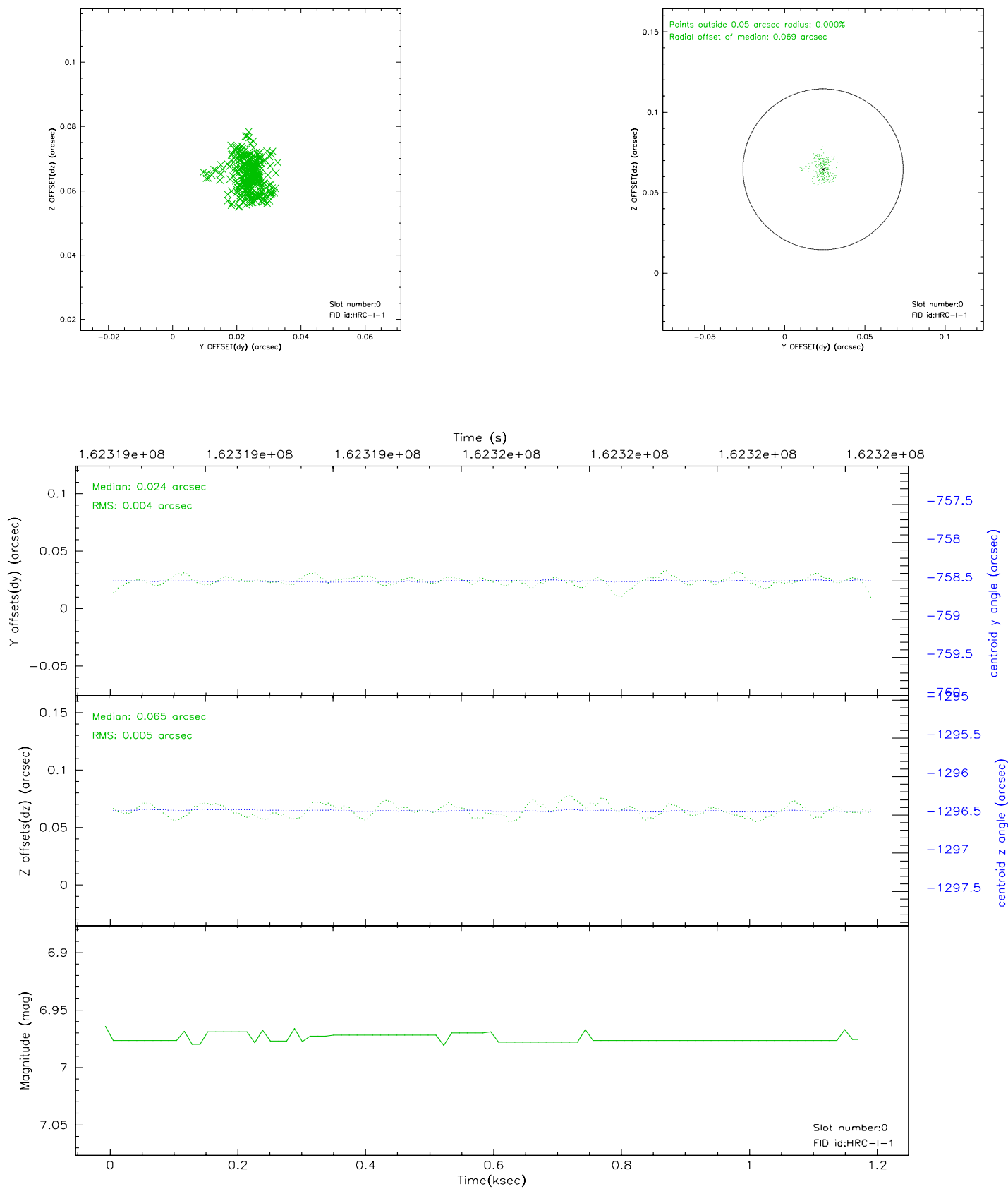


2.4.5 Slot 7

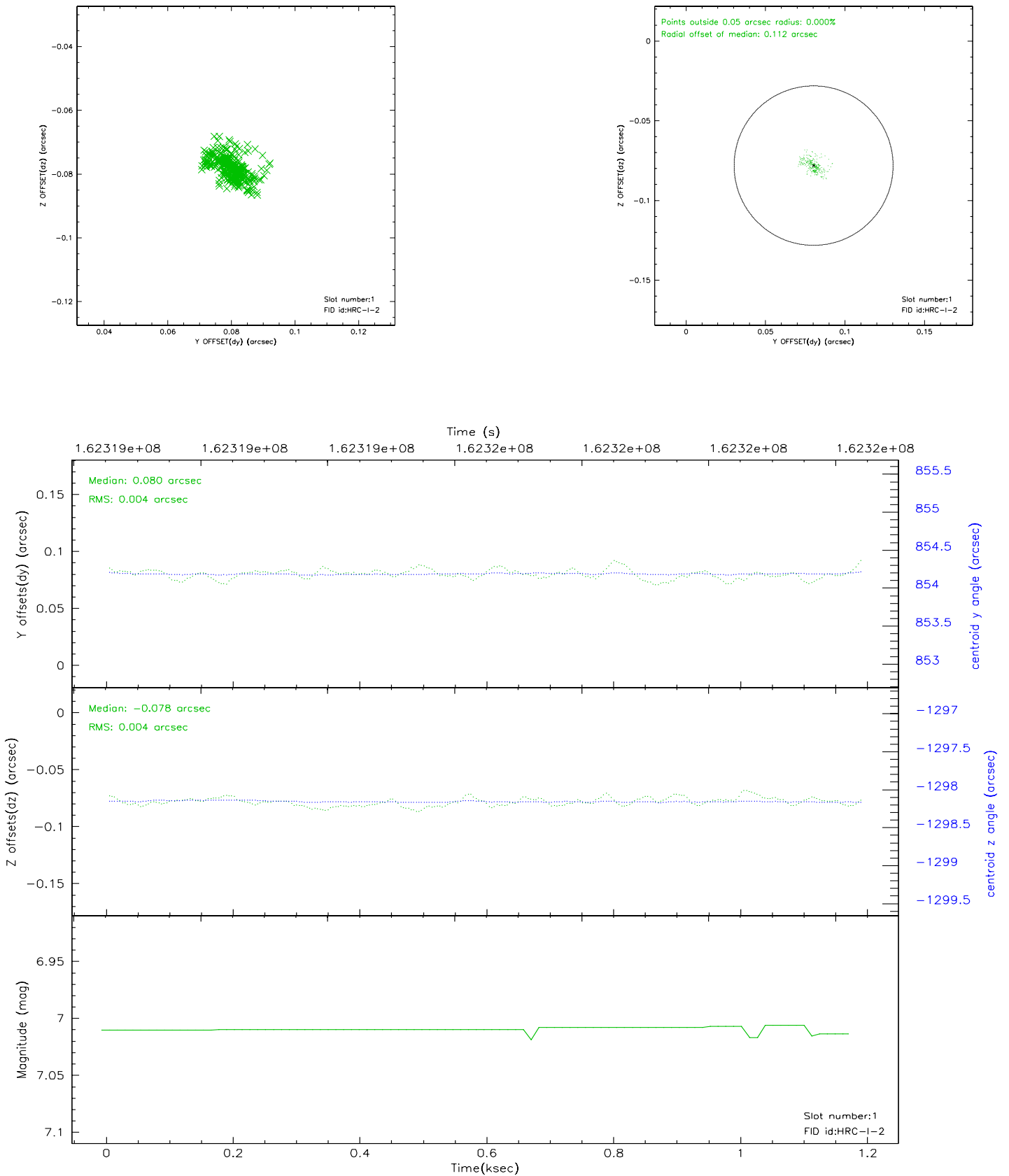


2.5 FID Slots

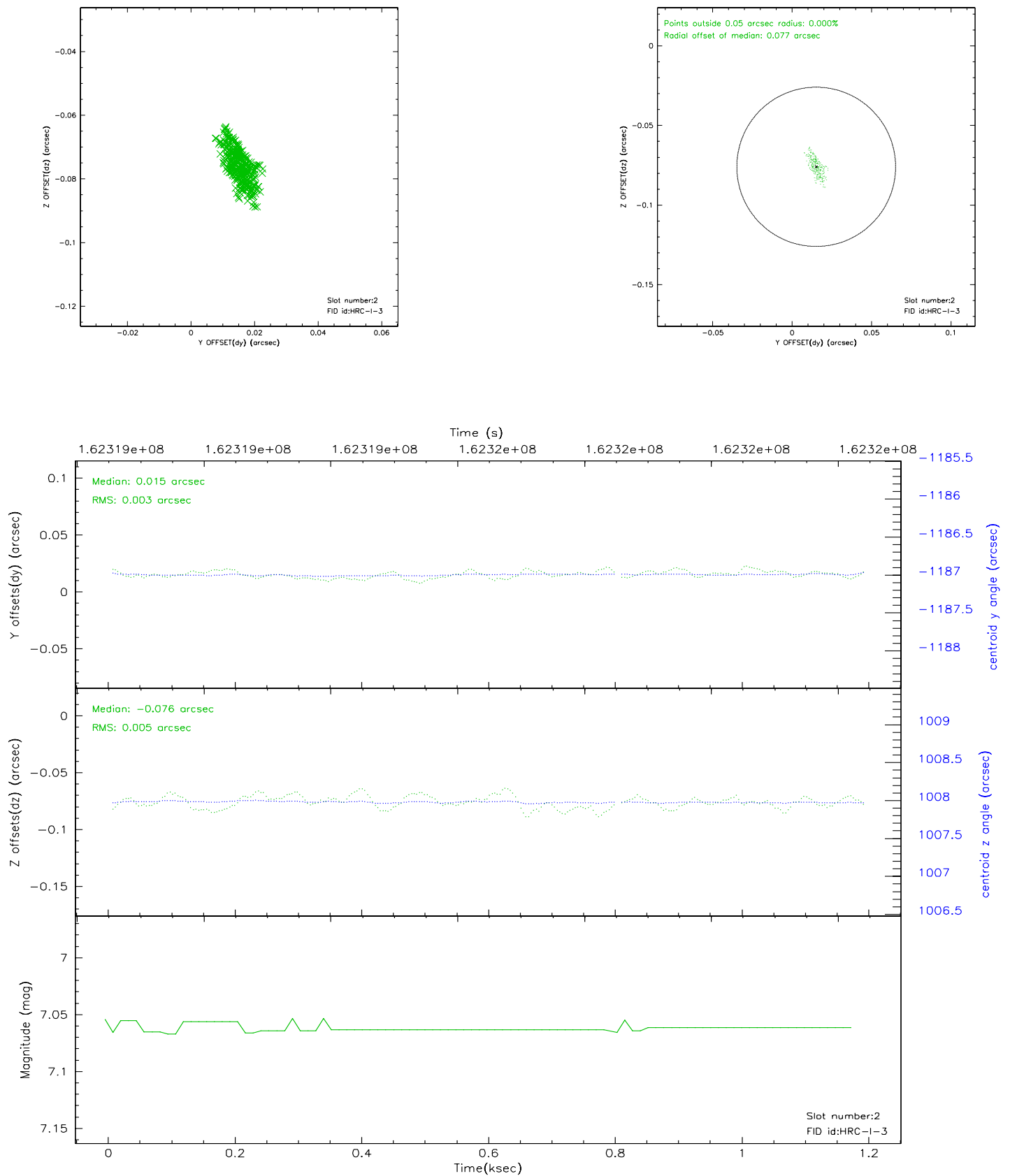
2.5.1 Slot 0



2.5.2 Slot 1

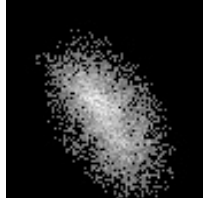


2.5.3 Slot 2



3 Point Sources

4.20 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.186

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.