

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1572 - L2 Version 3
Chandra X-Ray Center

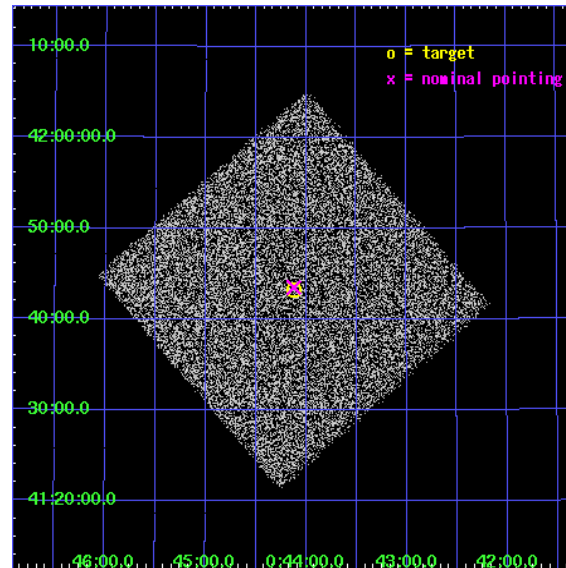
L2 Processing Date : Nov 20 2007

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1 Front

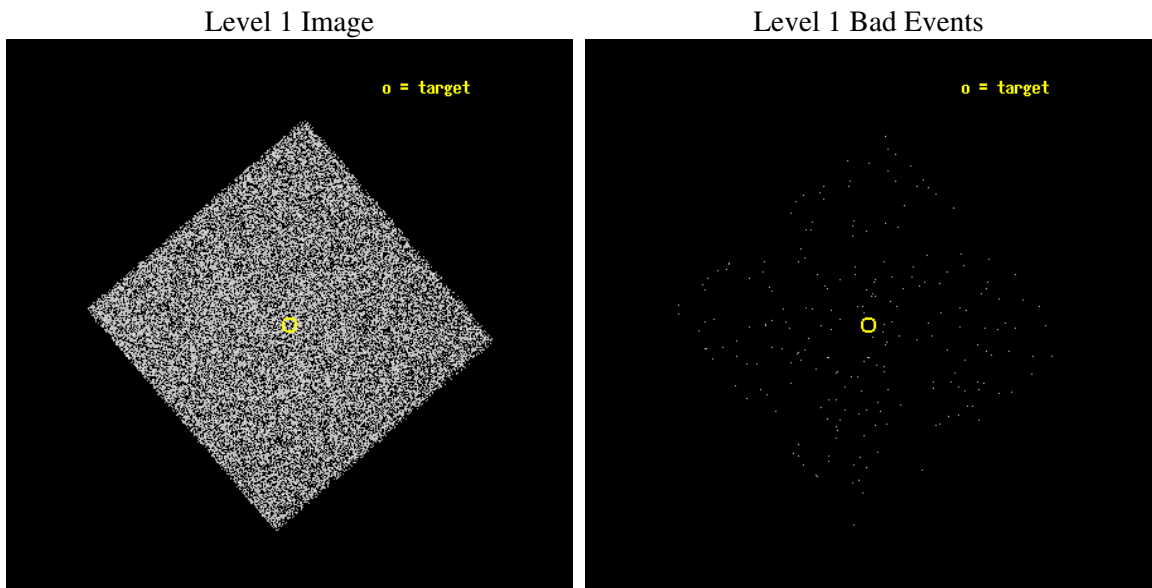
seq_num	600129
obs_id	1572
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - NORTH 1
ra_targ	11.029167
dec_targ	41.721111
ra_nom	11.03044478642
dec_nom	41.725344190758
roll_nom	94.217993060094
revision	3
ontime	1190.2812963873
livetime	1184.4415989739
l2events	29008



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	2007-11-20T14:57:20
revision	3

sched_exp_time	1000.000000
ontime	1190.2812963873
l1events	55187

2.1.3 Events

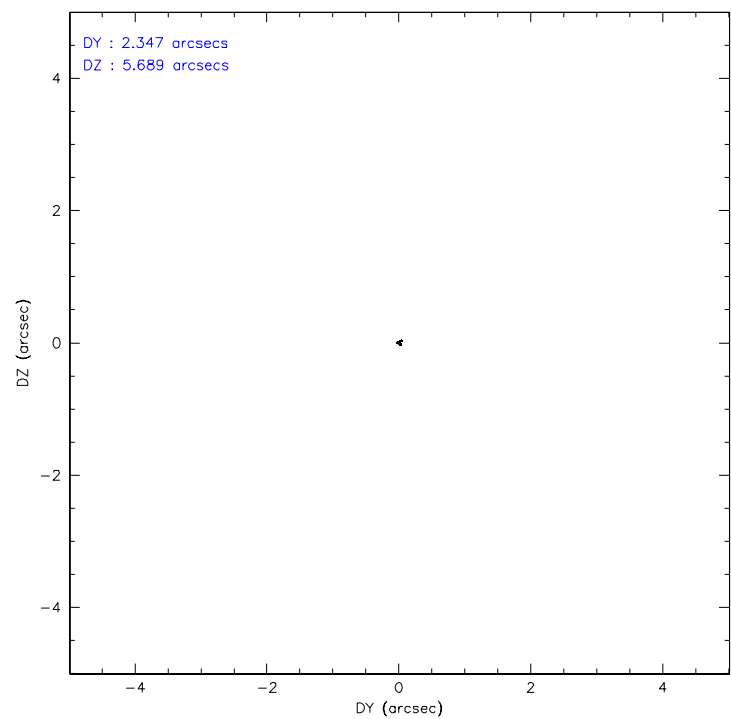
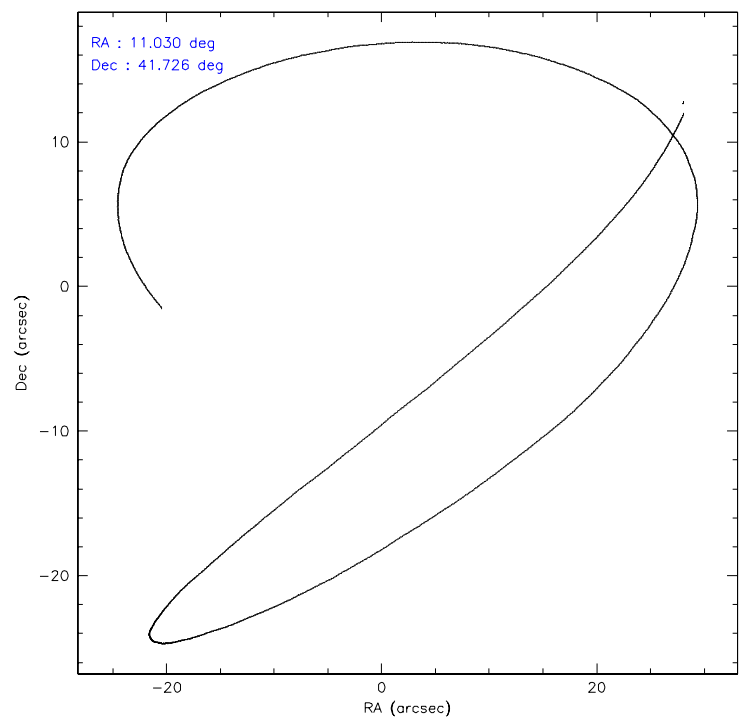
Level 1 Events

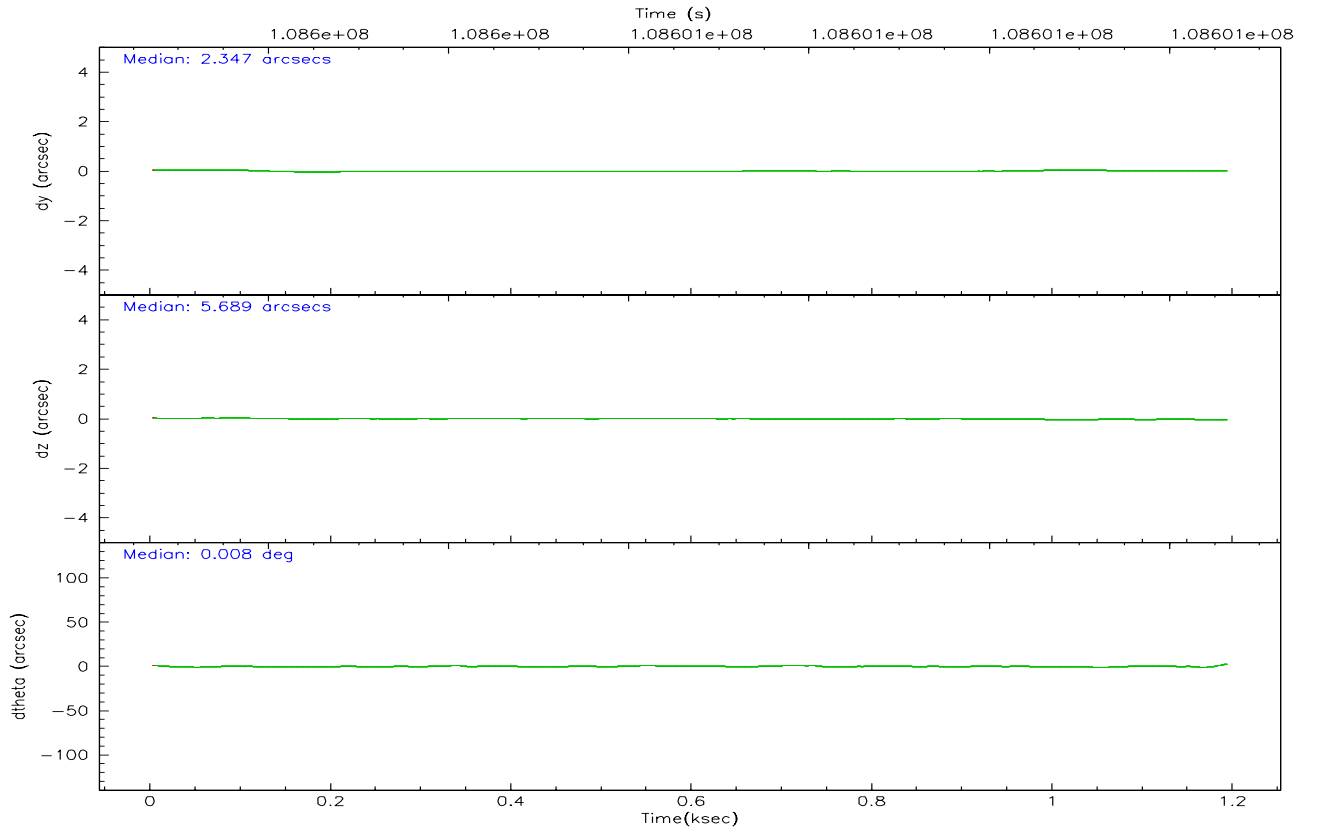
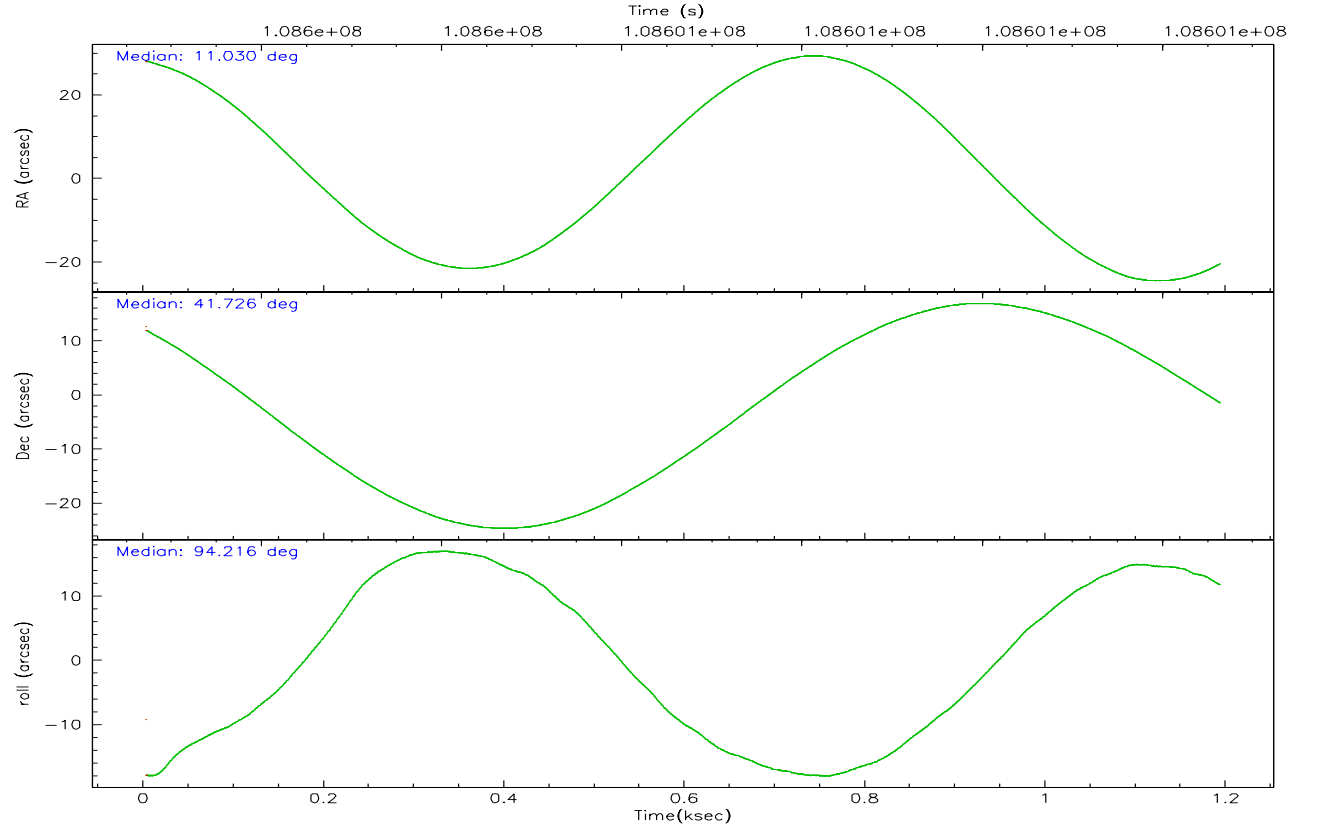
	segment 0
level 1 events	55187
rejected events	11655
rejected %	21%

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	11.052040	11.03044478641971			
Pointing Dec	41.703012	41.725344190758			
Pointing Roll	94.299113	94.21799306009414			
Window start time	108172864.184000	108172864.184000			
Window stop time	108691264.184000	108691264.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	108600266.184000	108599890.53908			
Observation start date	2001-06-10T22:43:22	2001-06-10T22:38:10			
Observation end time	108601266.184000	108601400.36413			
Observation end date	2001-06-10T23:00:02	2001-06-10T23:03:20			

2.3 Aspect



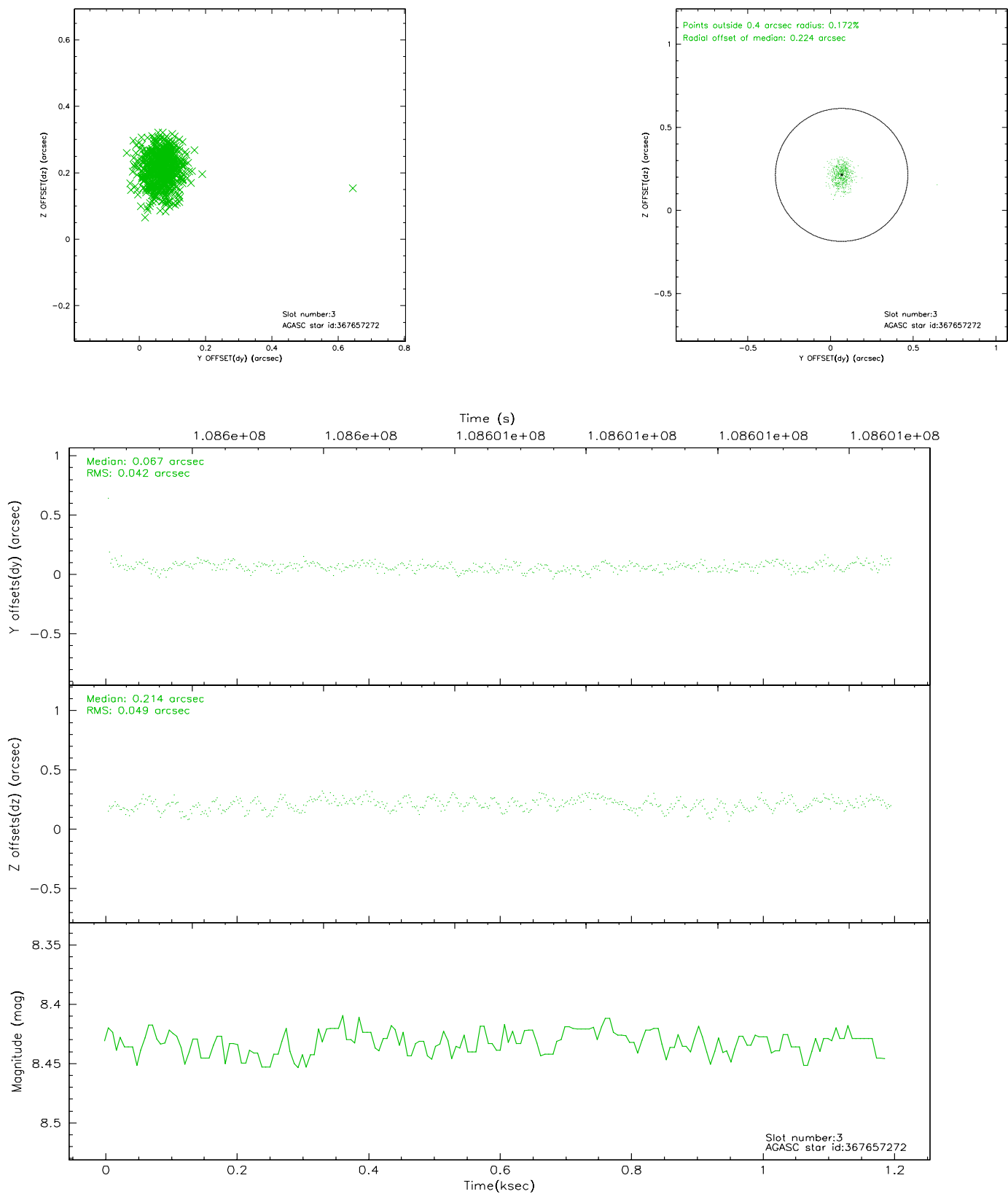


Slot Statistics

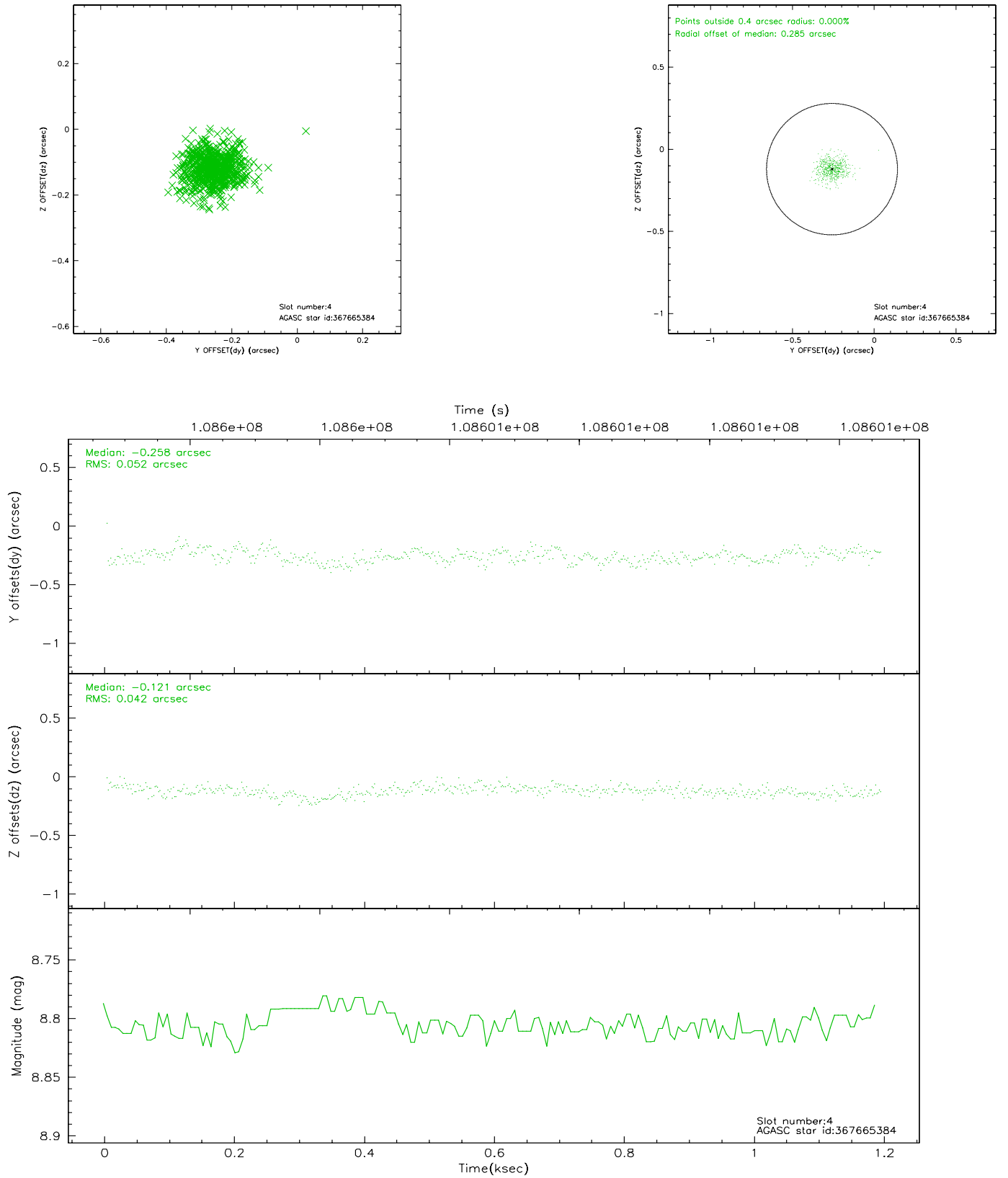
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	291	0.017	0.009	0.006	0.009	0.000000	0.000000	854.86	-1295.04
1	FID	HRC-I-3	7.07	291	0.036	-0.058	0.005	0.009	0.000000	0.000000	-1183.33	1006.55
2	FID	HRC-I-4	7.01	291	0.066	-0.038	0.007	0.010	0.000000	0.000000	1280.97	1012.11
3	GUIDE	367657272	8.43	582	0.067	0.214	0.064	0.105	11.834471	41.298907	-1600.27	-2002.24
4	GUIDE	367665384	8.81	582	-0.258	-0.121	0.070	0.118	10.414363	42.275730	2185.99	1534.86
5	GUIDE	367674552	8.85	578	0.062	-0.127	0.068	0.103	11.016238	41.570845	-464.06	133.87
6	GUIDE	367146616	8.86	582	0.219	0.096	0.068	0.114	11.418645	41.190163	-1914.58	-852.41
7	GUIDE	367671800	9.40	580	-0.083	-0.072	0.084	0.135	10.554735	41.964935	1039.91	1254.46

2.4 Star Slots

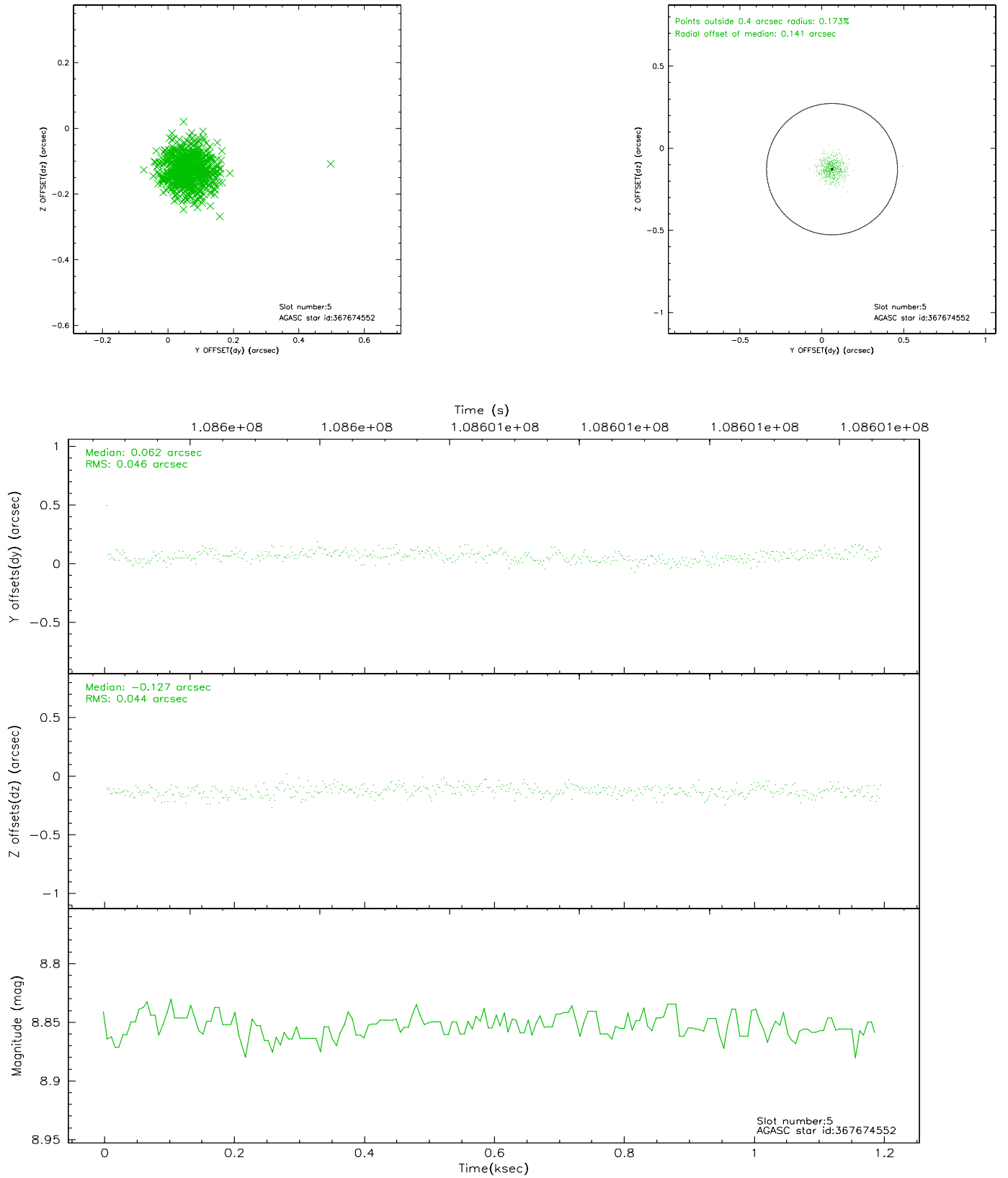
2.4.1 Slot 3



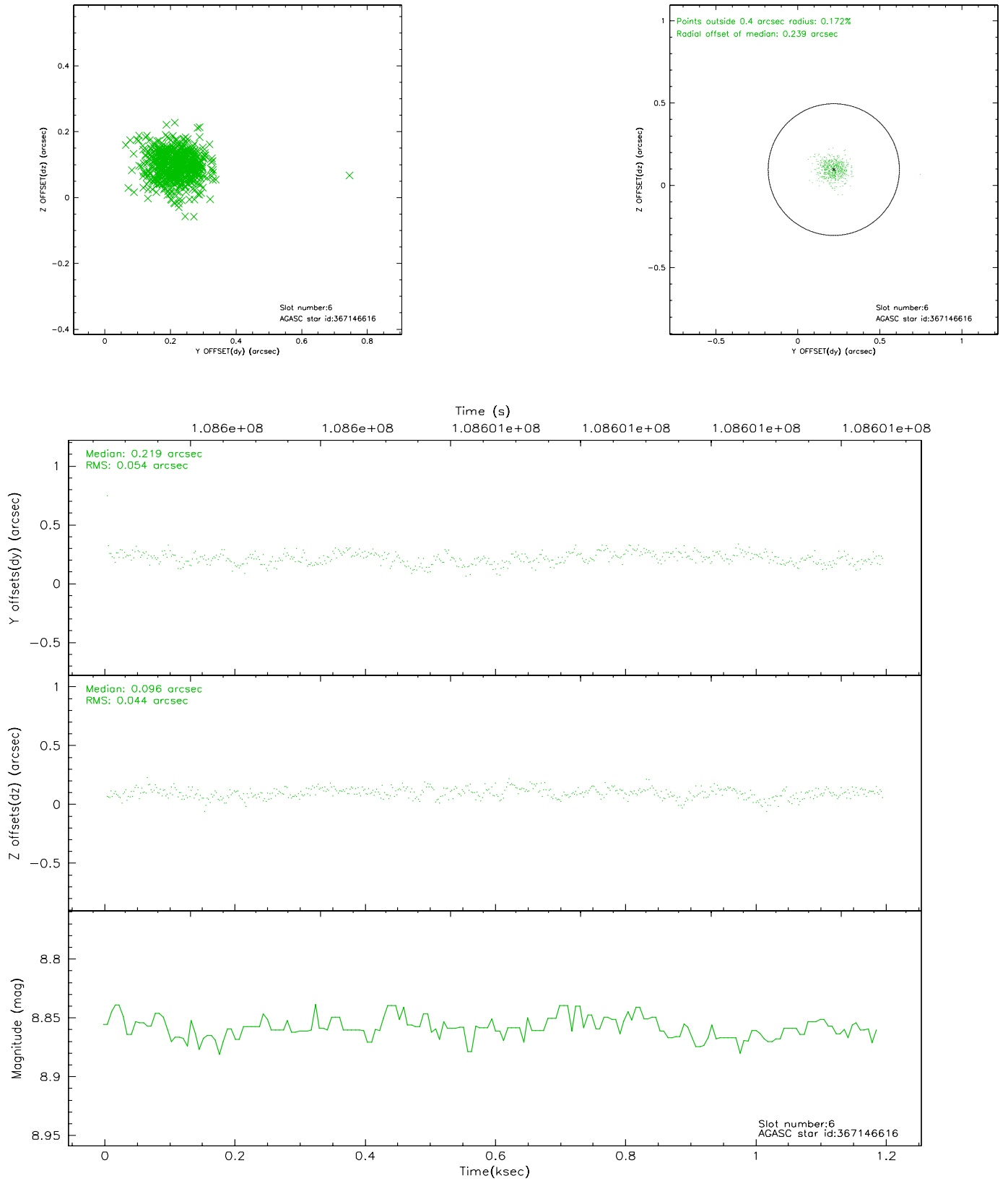
2.4.2 Slot 4



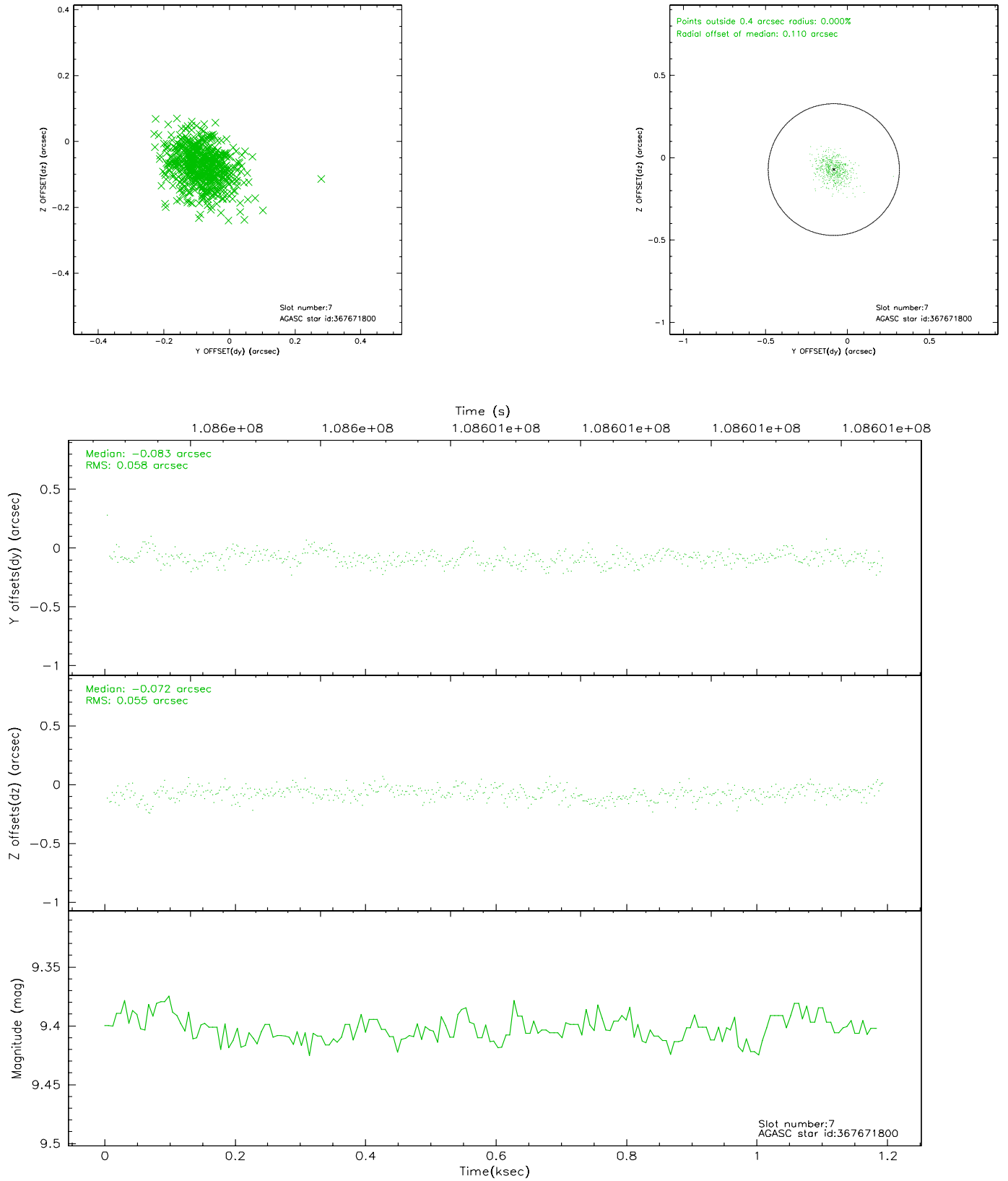
2.4.3 Slot 5



2.4.4 Slot 6

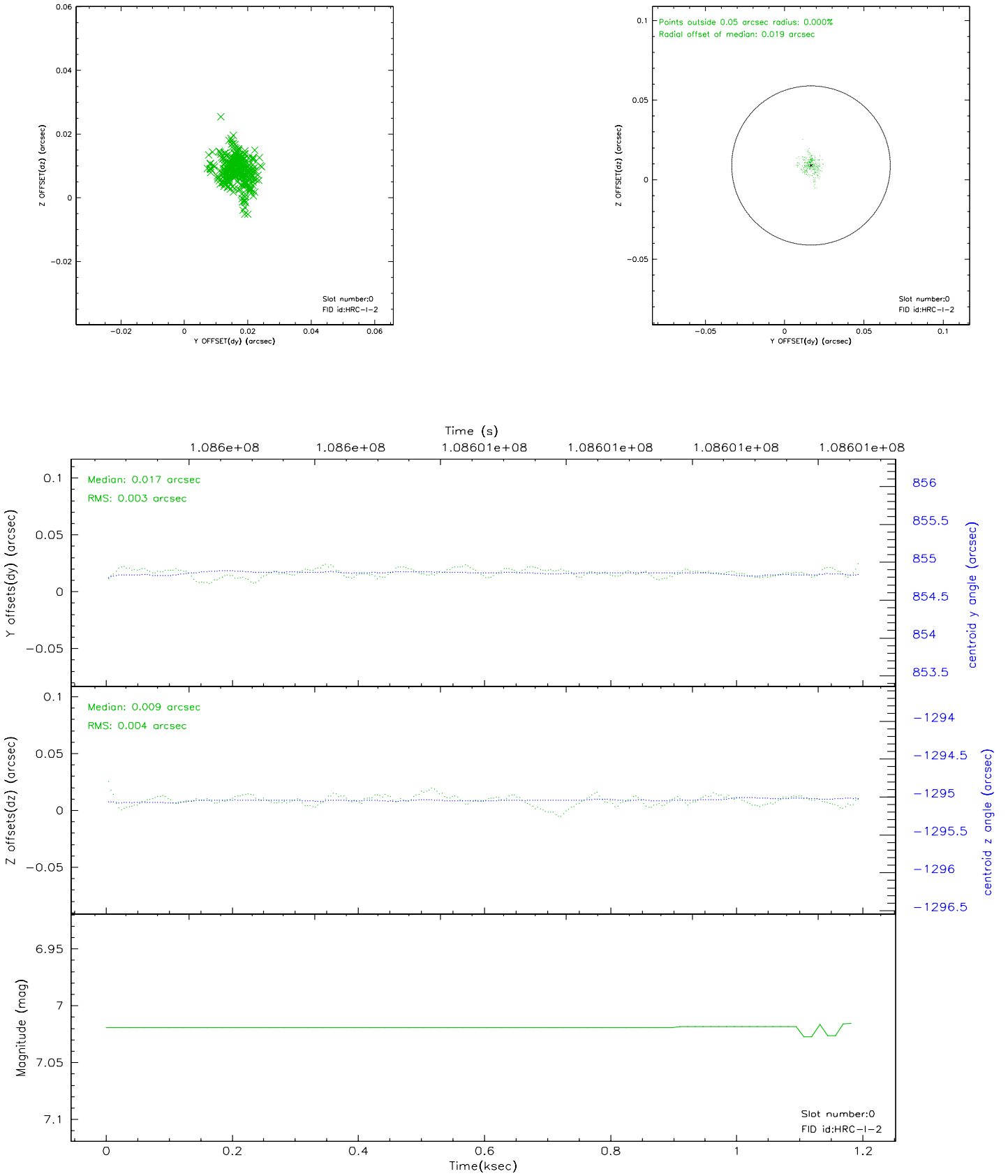


2.4.5 Slot 7

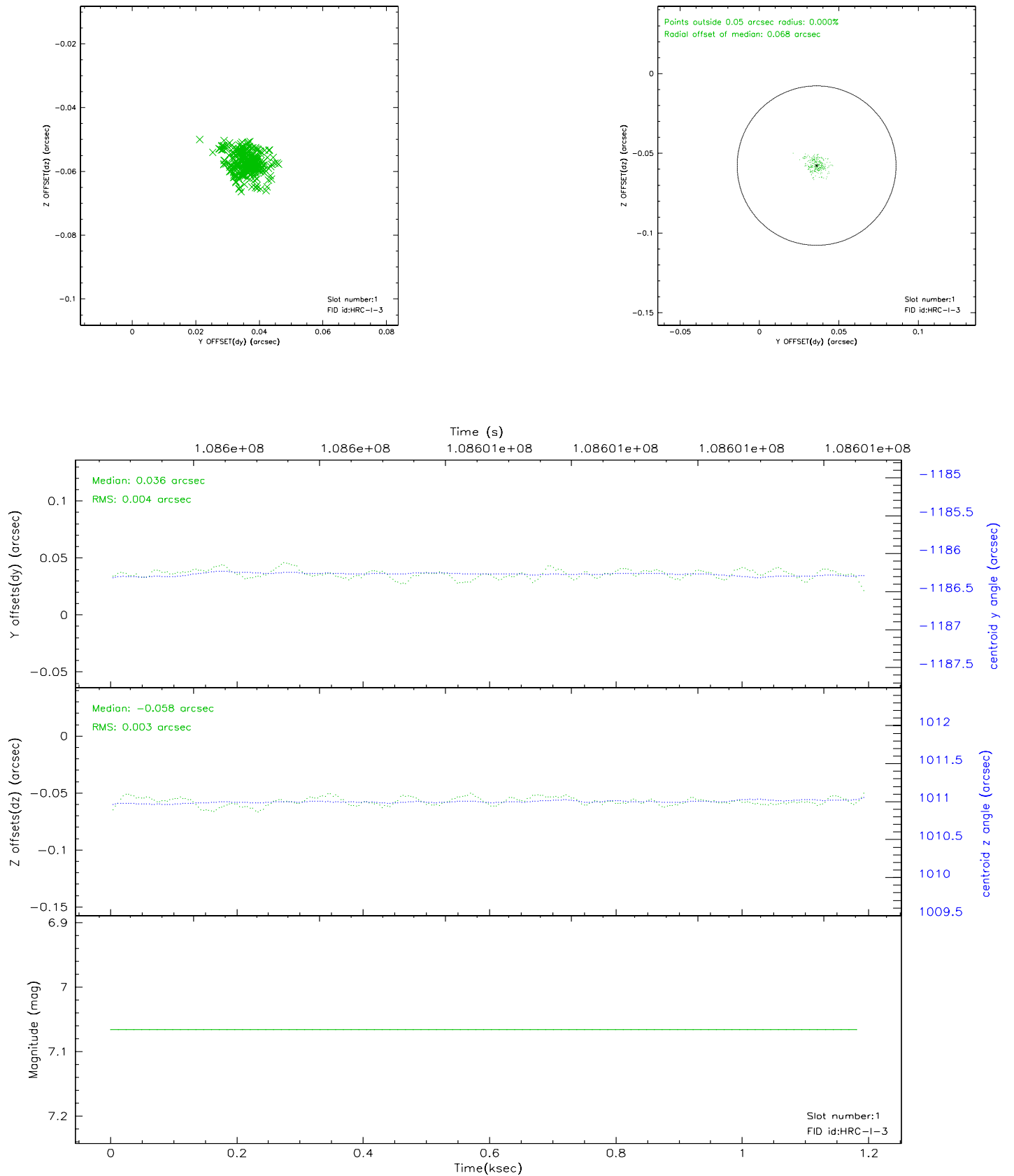


2.5 FID Slots

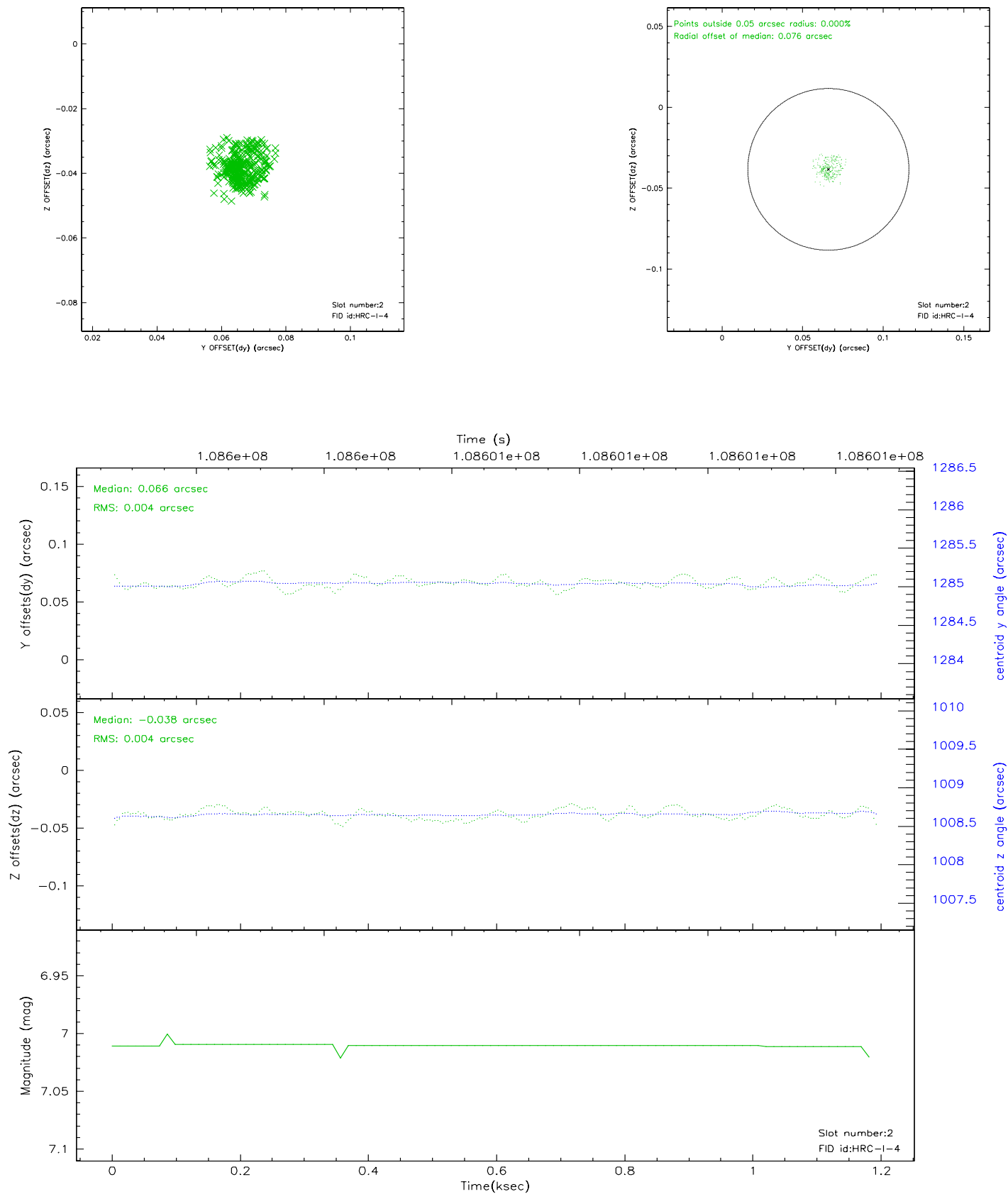
2.5.1 Slot 0



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)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

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.