

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1571 - L2 Version 4
Chandra X-Ray Center

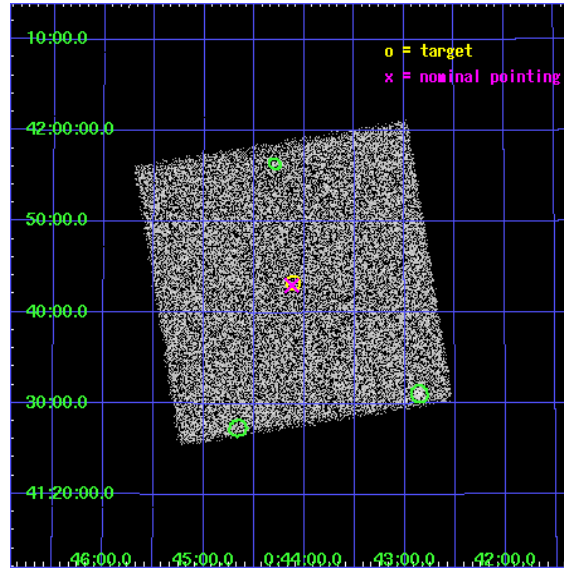
L2 Processing Date : Nov 21 2007

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1 Front

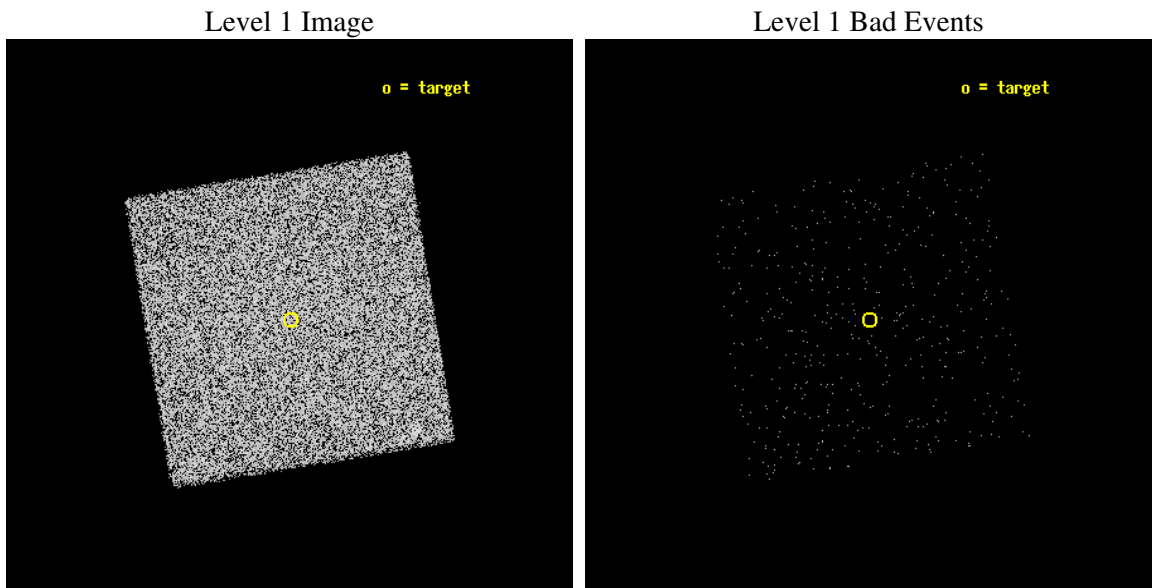
seq_num	600128
obs_id	1571
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - NORTH 1
ra_targ	11.029167
dec_targ	41.721111
ra_nom	11.03089463432
dec_nom	41.717060286421
roll_nom	305.68121300287
revision	4
ontime	1194.3812959939
livetime	1187.6866956848
l2events	43124



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	2007-11-21T08:33:01
revision	4

sched_exp_time	1000.000000
ontime	1194.3812959939
l1events	78927

2.1.3 Events

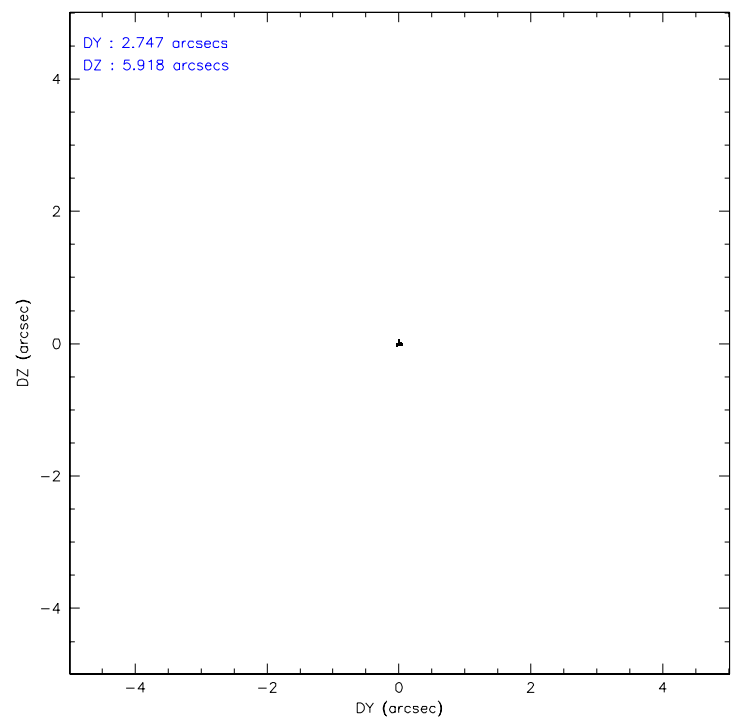
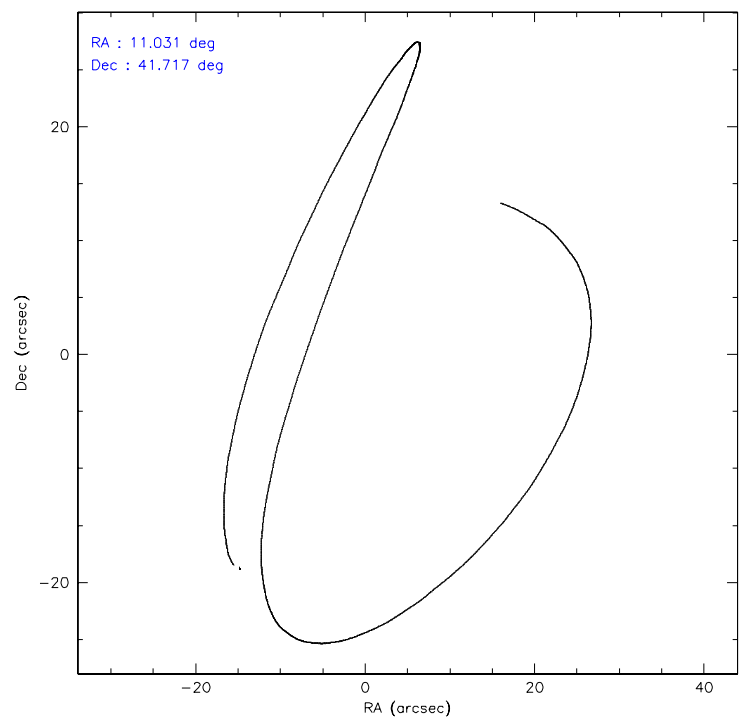
Level 1 Events

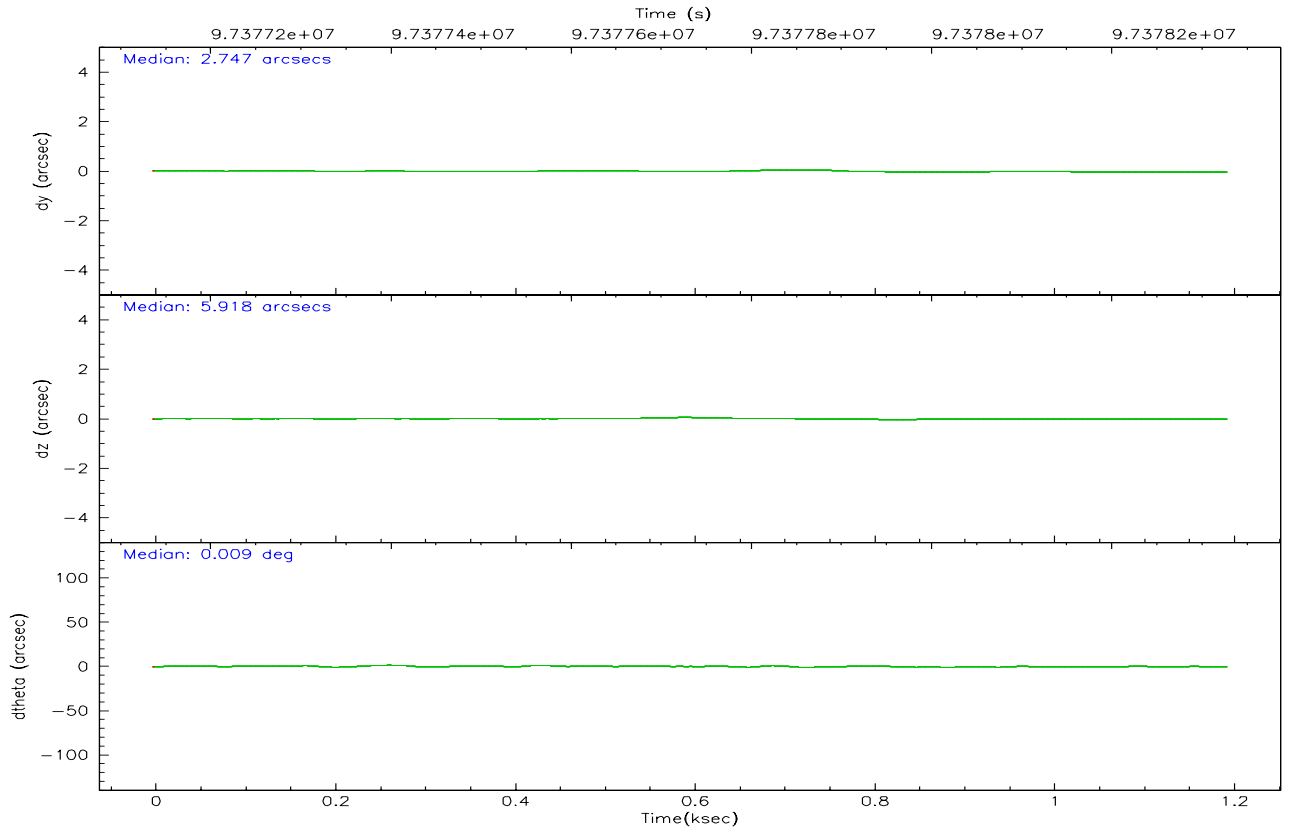
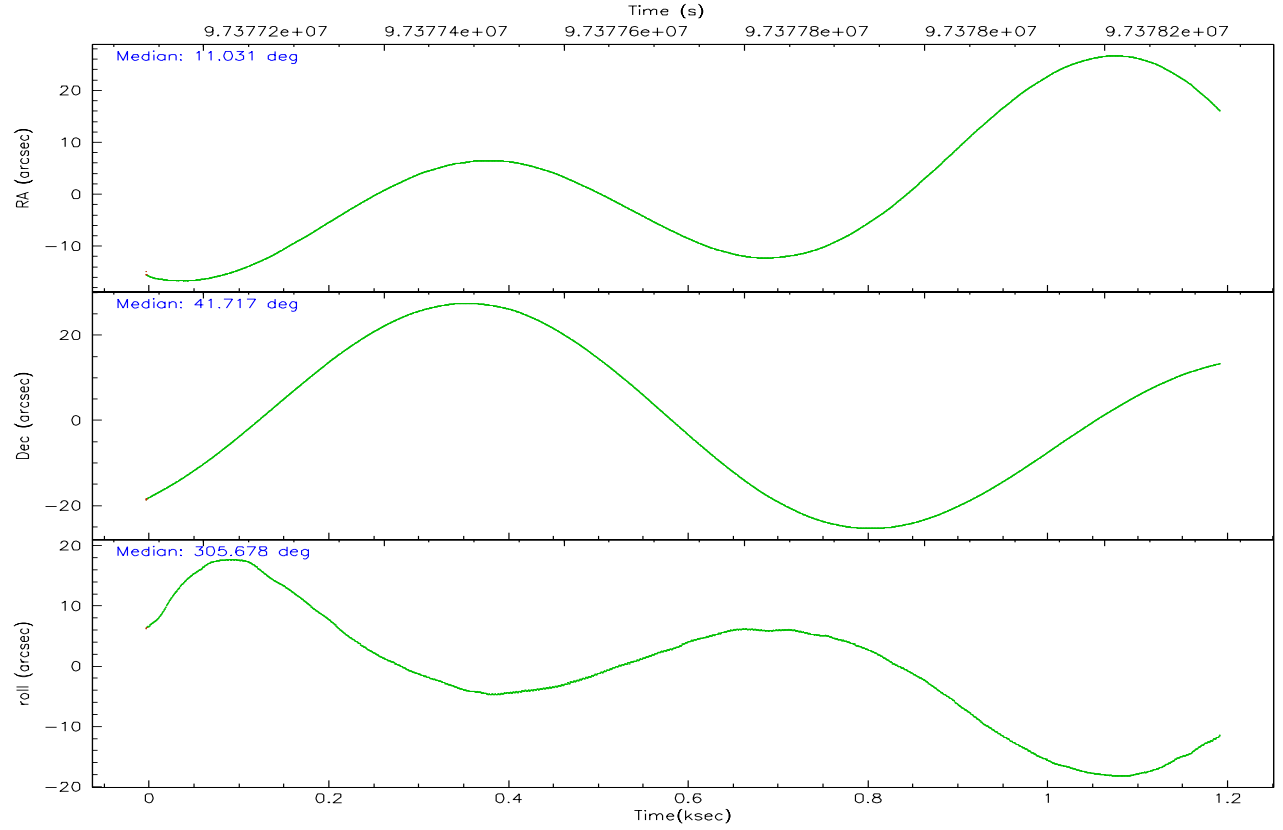
	segment 0
level 1 events	78927
rejected events	18119
rejected %	22%

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	10.996986	11.03089463432046			
Pointing Dec	41.727625	41.71706028642093			
Pointing Roll	305.799352	305.6812130028658			
Window start time	97372864.184000	97372864.184000			
Window stop time	98496064.184000	98496064.184000			
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	97377329.184000	97376952.92931101			
Observation start date	2001-02-01T01:14:25	2001-02-01T01:09:12			
Observation end time	97378329.184000	97378463.26686899			
Observation end date	2001-02-01T01:31:05	2001-02-01T01:34:23			

2.3 Aspect



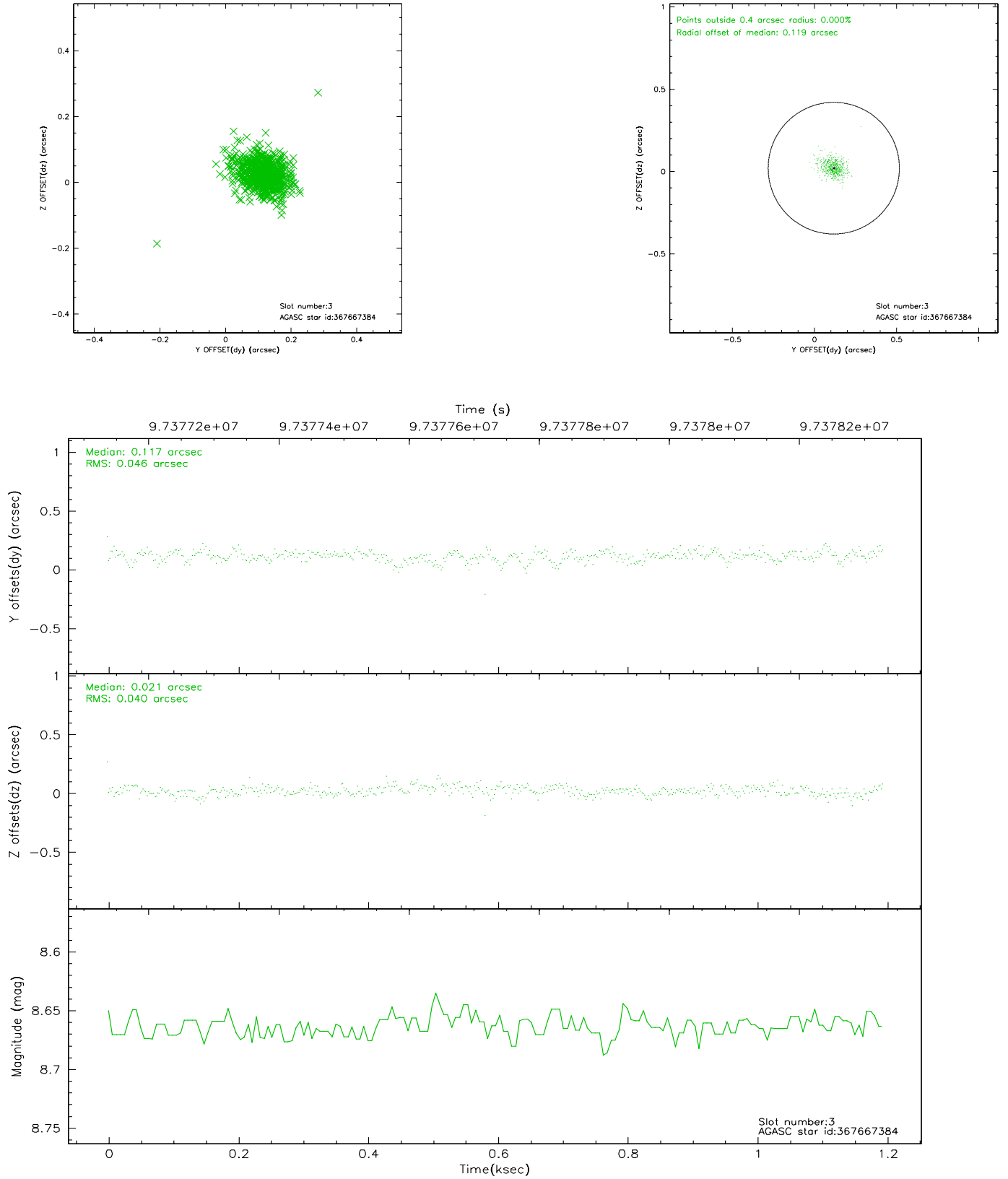


Slot Statistics

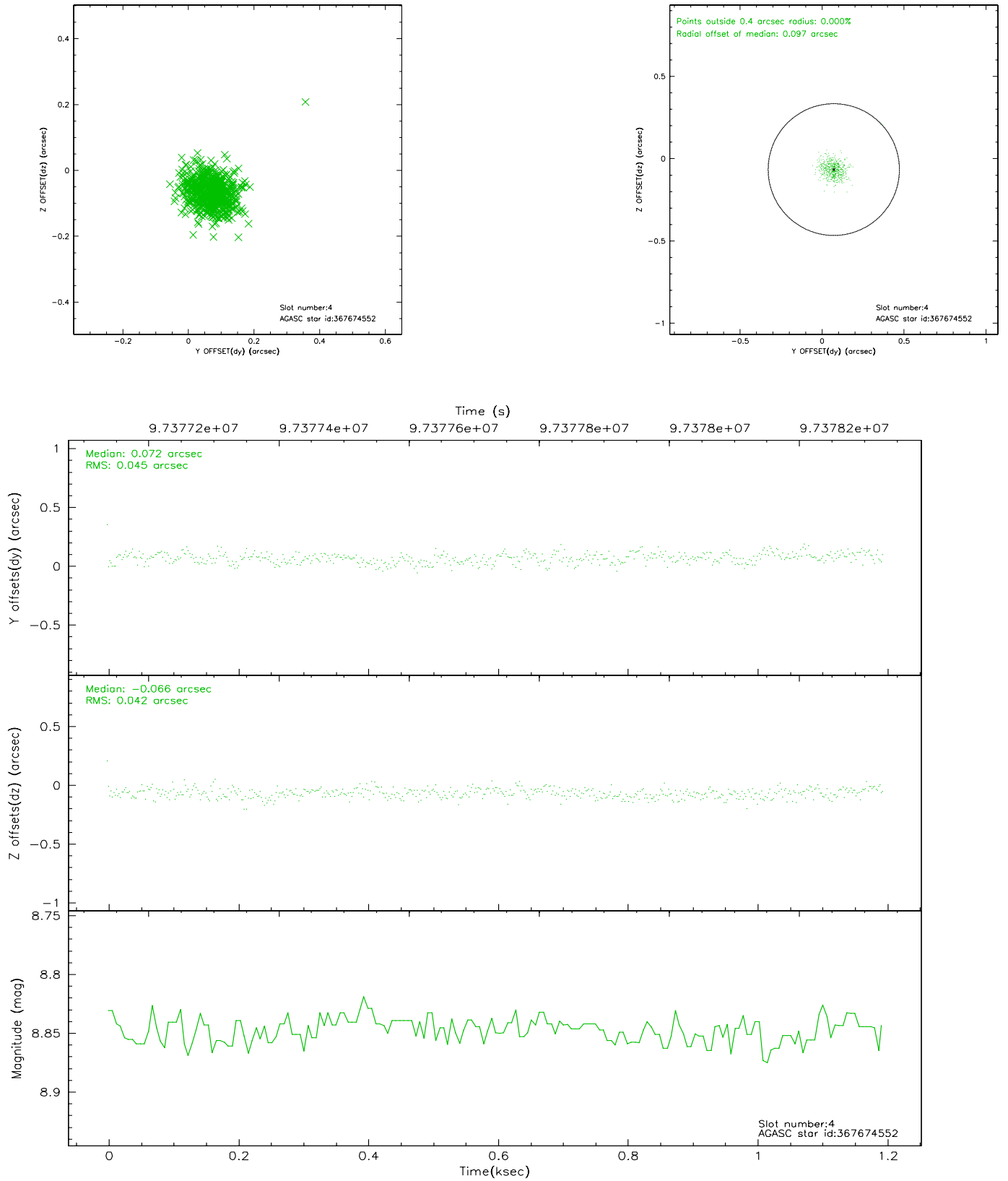
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	292	0.035	0.025	0.006	0.009	0.000000	0.000000	-758.18	-1293.75
1	FID	HRC-I-3	7.04	292	0.033	-0.076	0.007	0.011	0.000000	0.000000	-1189.26	1006.28
2	FID	HRC-I-4	6.98	292	0.047	-0.037	0.005	0.008	0.000000	0.000000	1280.56	1011.79
3	GUIDE	367667384	8.66	584	0.117	0.021	0.059	0.104	12.077552	41.596878	2067.51	2092.80
4	GUIDE	367674552	8.85	584	0.072	-0.066	0.064	0.105	11.016238	41.570845	490.58	-286.72
5	GUIDE	367146616	8.87	584	0.102	0.035	0.068	0.112	11.418645	41.190163	2235.04	-206.18
6	GUIDE	367671800	9.41	584	-0.189	-0.020	0.076	0.123	10.554735	41.964935	-1385.35	-461.27
7	GUIDE	367670520	9.27	583	-0.097	0.018	0.090	0.151	11.265516	42.371946	-1468.23	1933.78

2.4 Star Slots

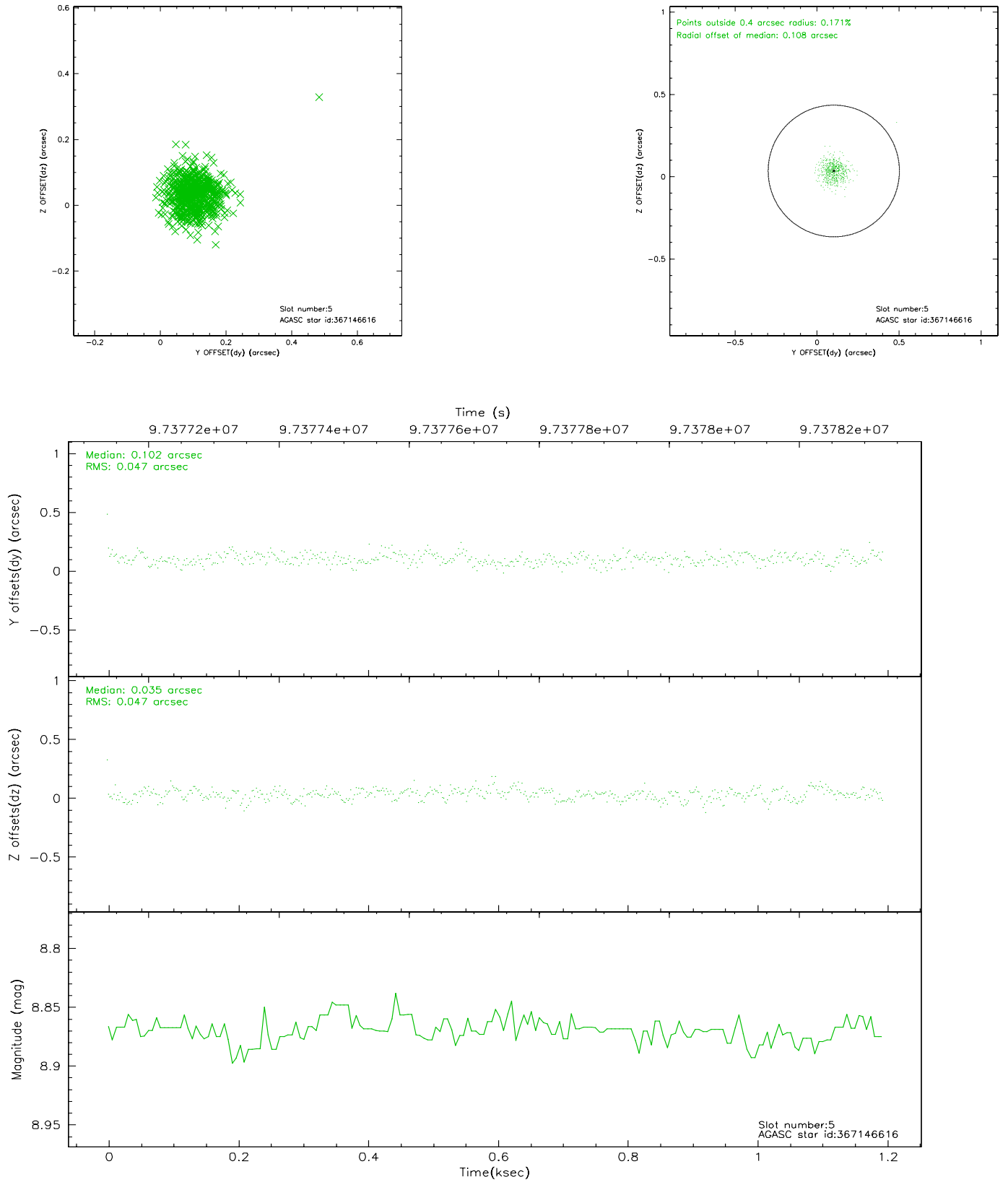
2.4.1 Slot 3



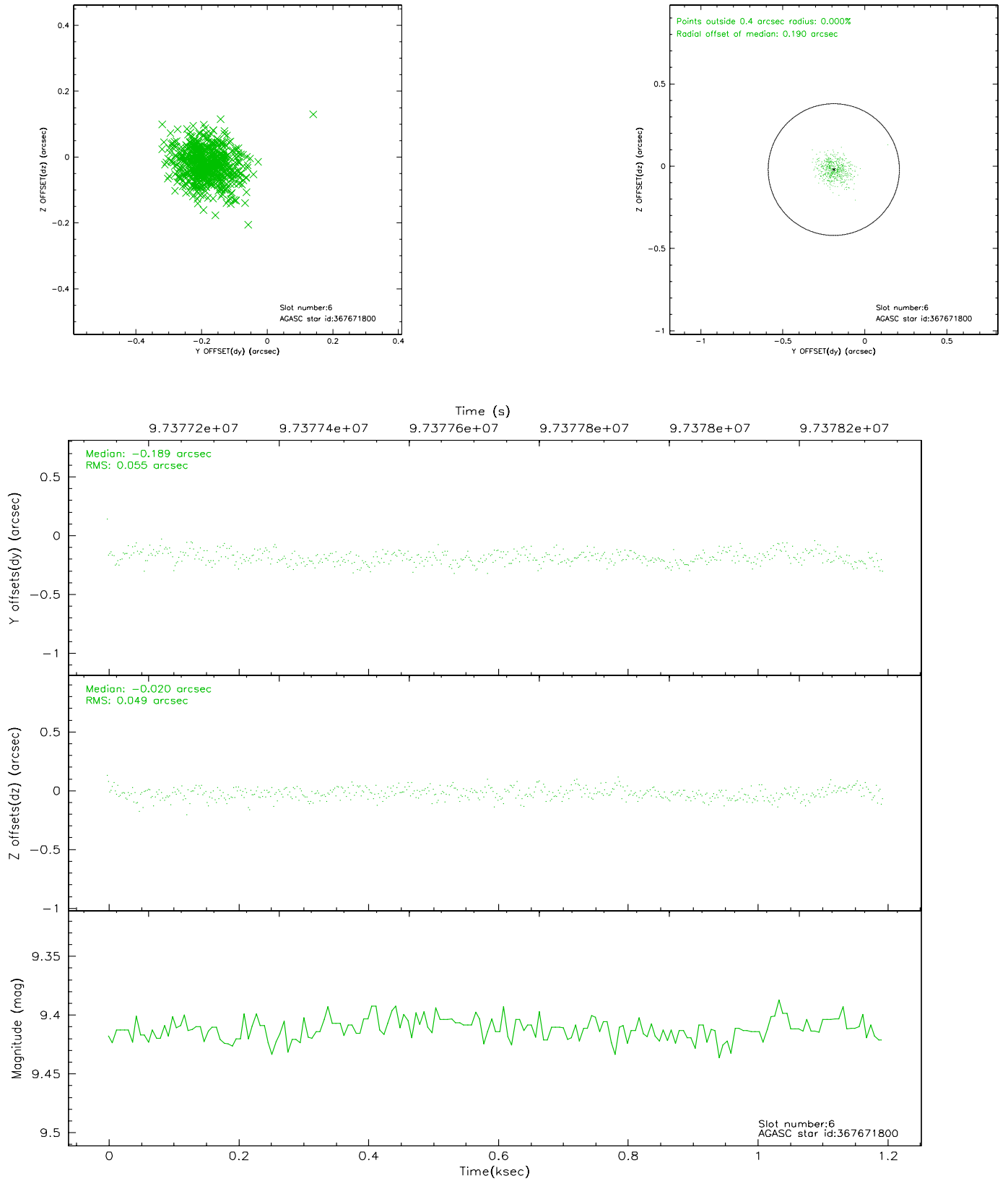
2.4.2 Slot 4



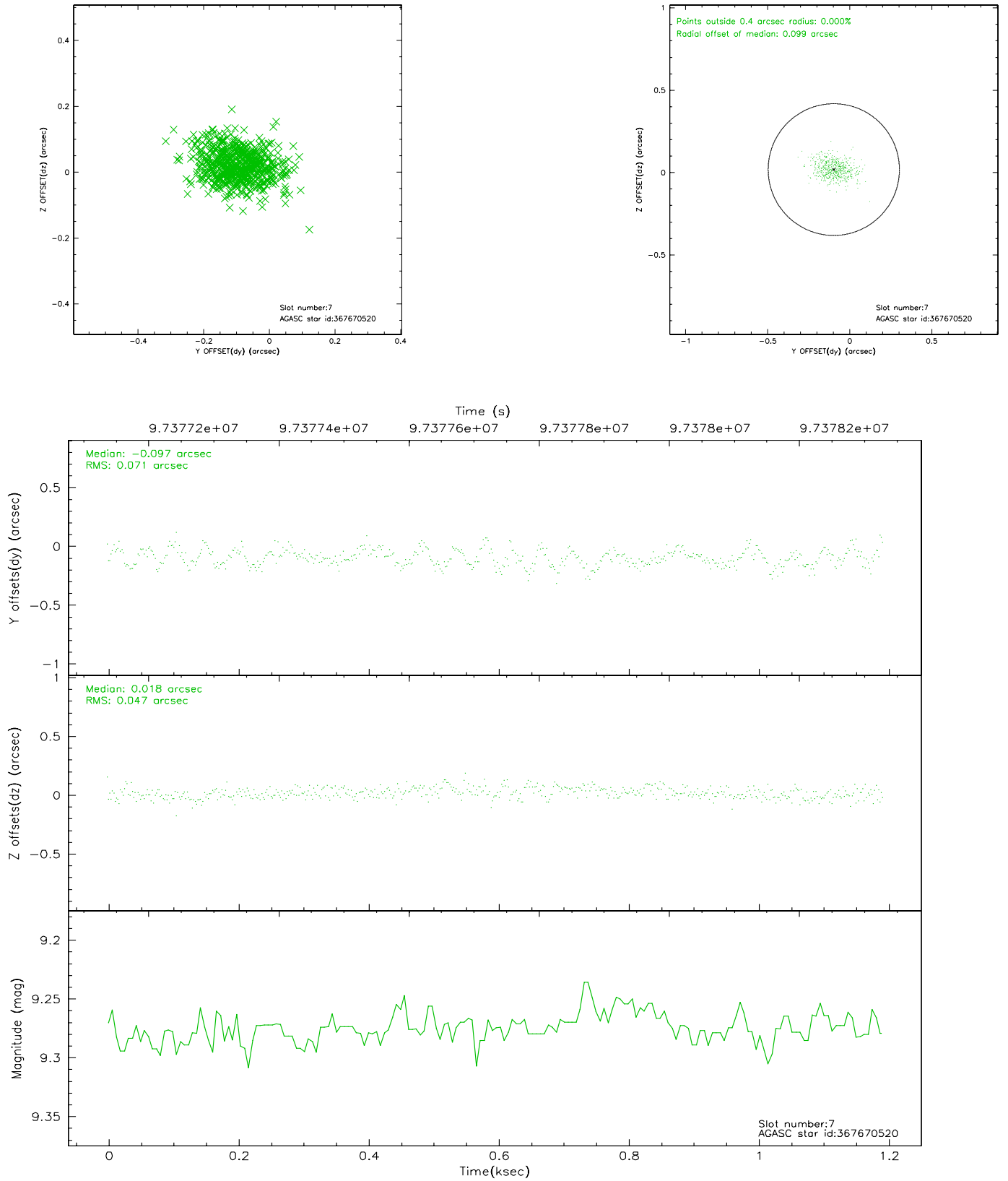
2.4.3 Slot 5



2.4.4 Slot 6

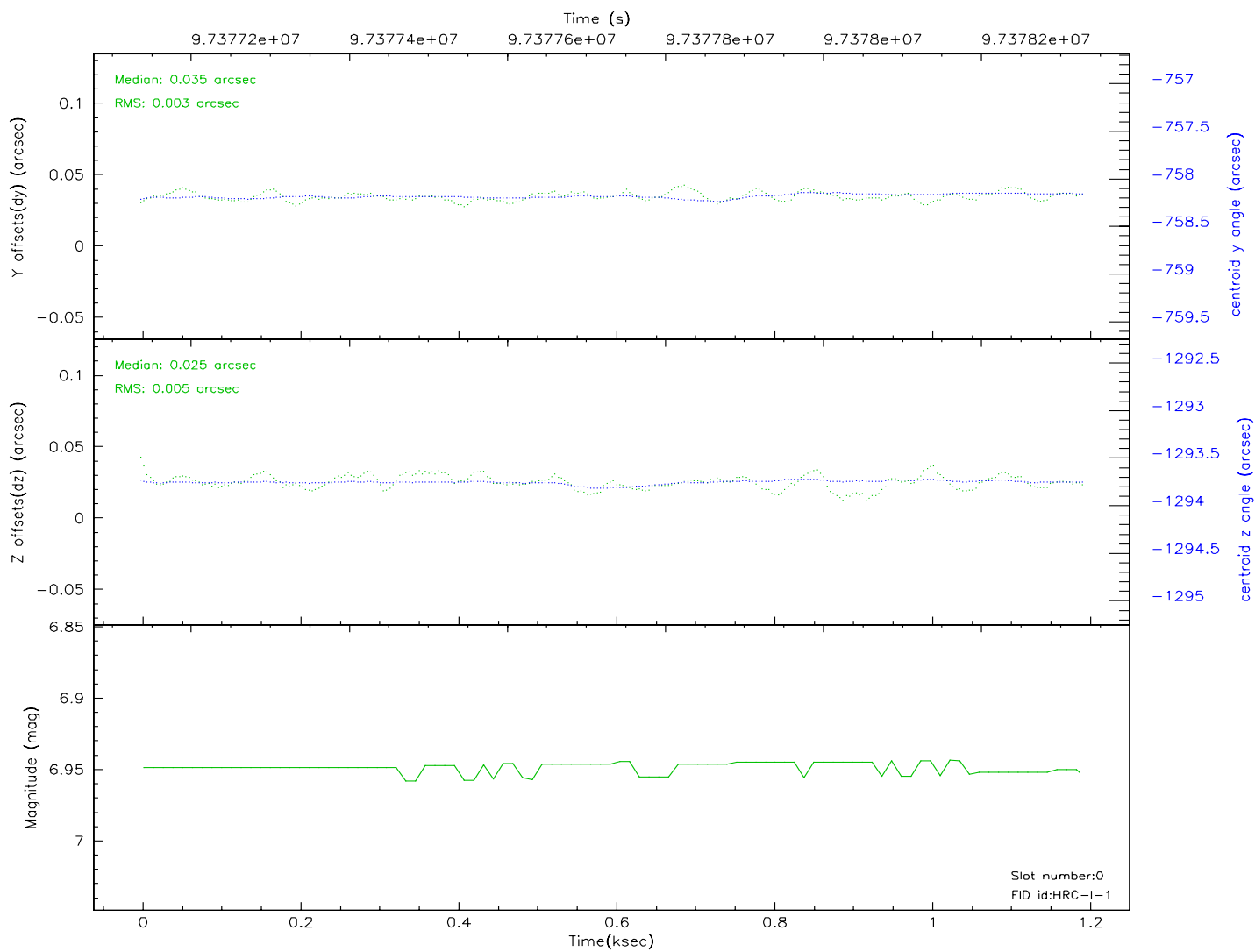
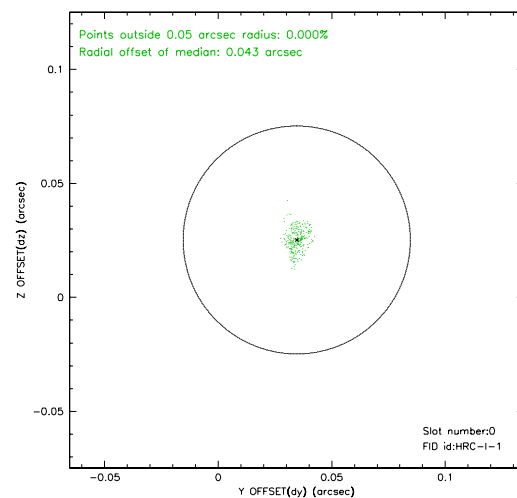
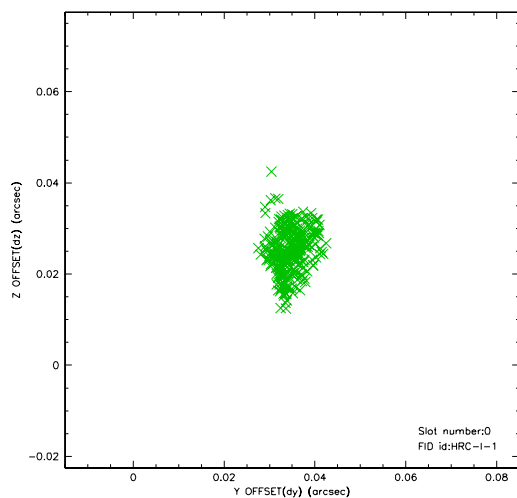


2.4.5 Slot 7

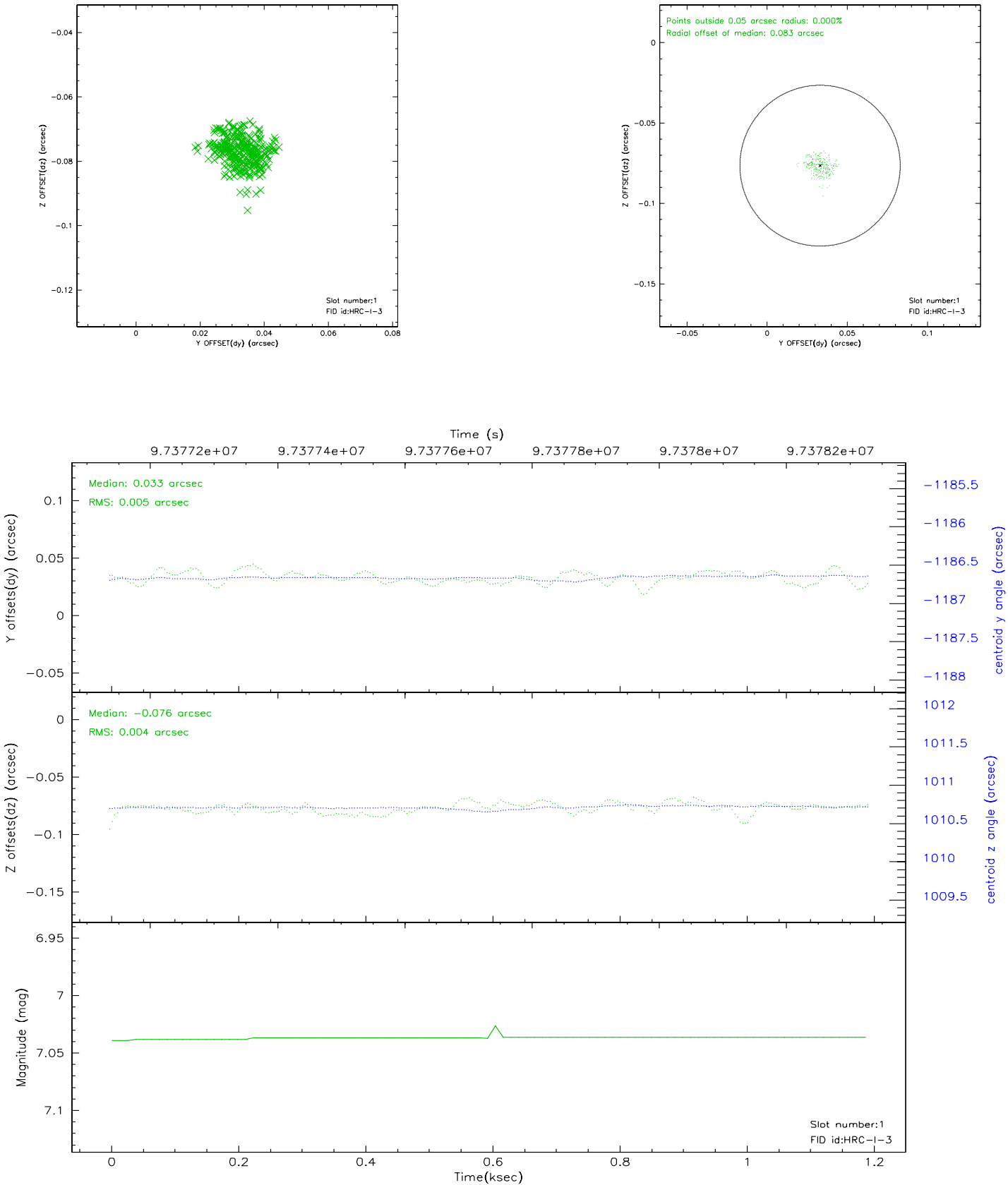


2.5 FID Slots

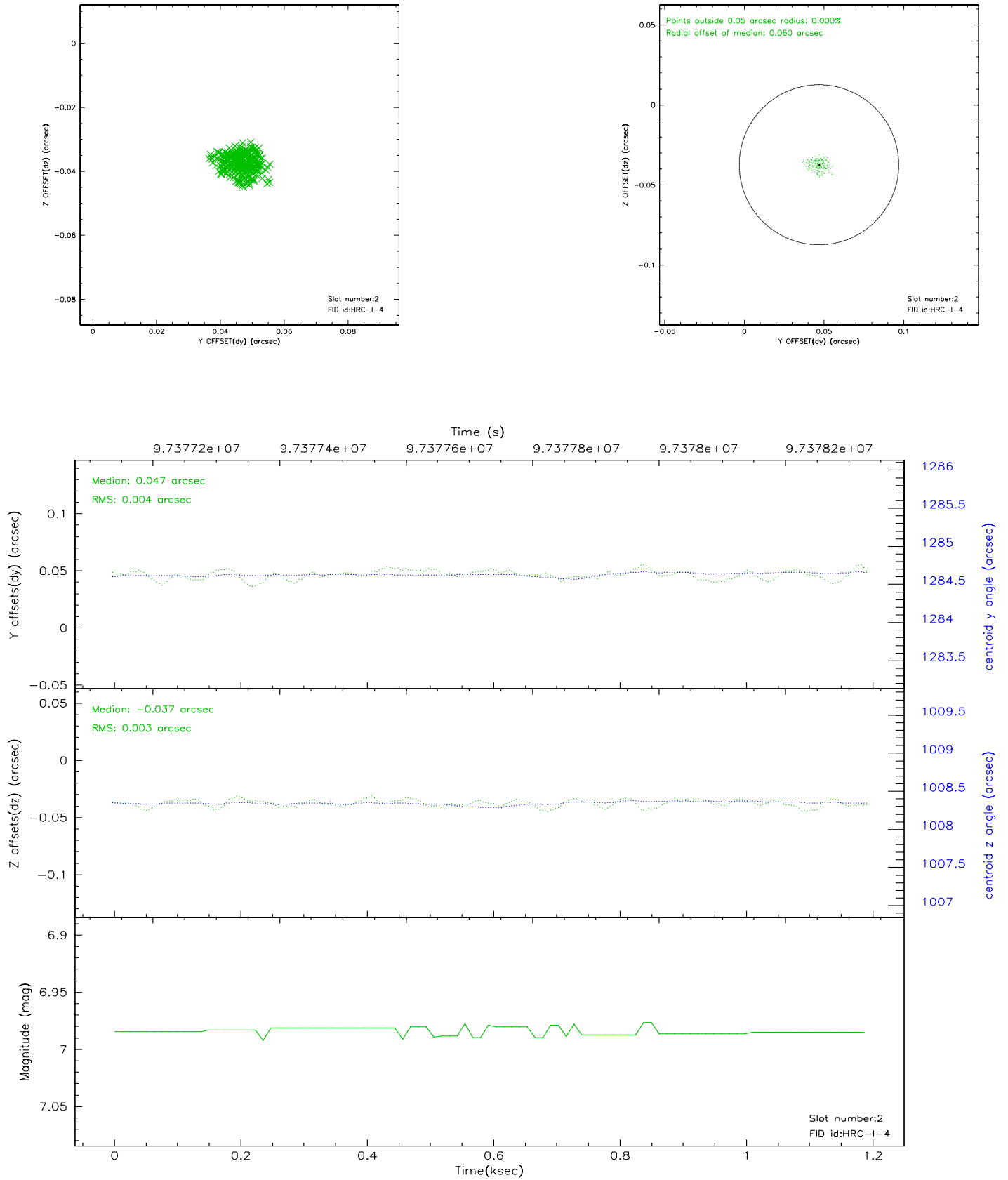
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

18.62 arcmin



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	1.194

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.