

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1570 - L2 Version 3
Chandra X-Ray Center

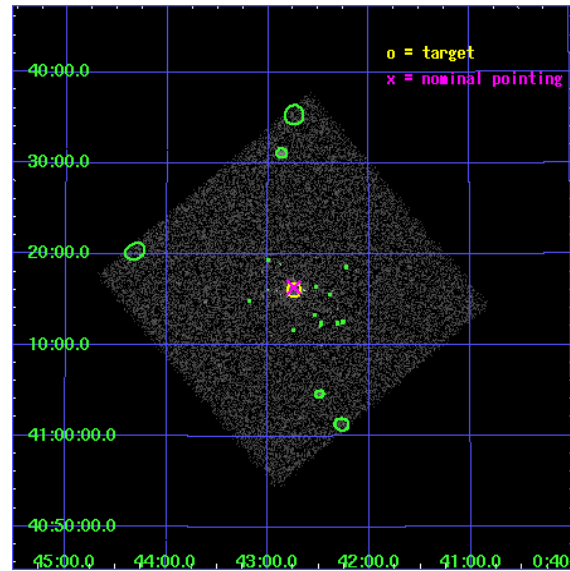
L2 Processing Date : Nov 20 2007

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1 Front

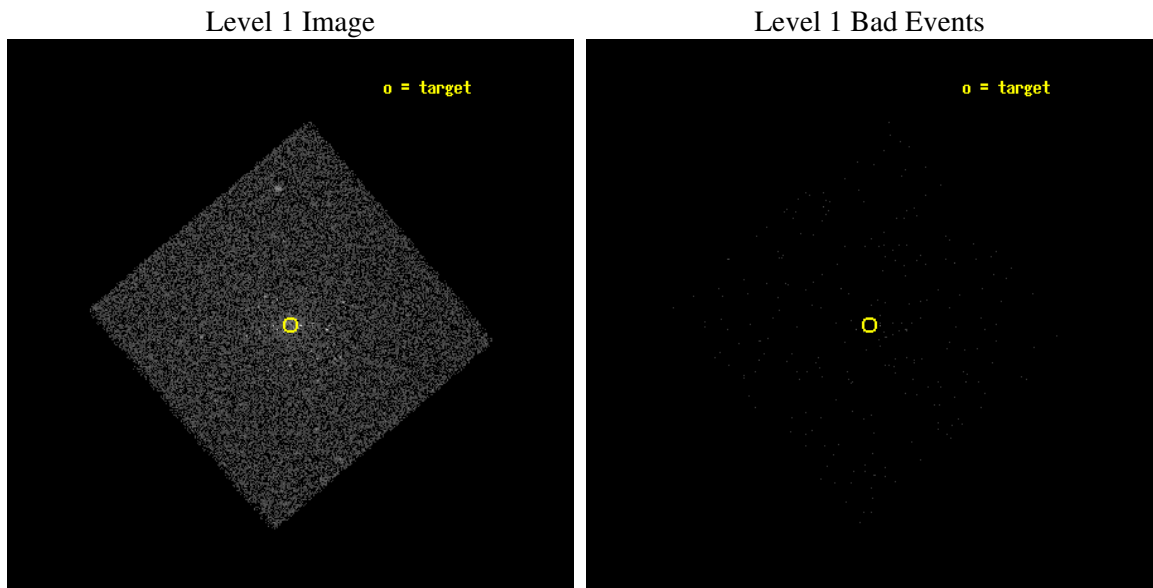
seq_num	600127
obs_id	1570
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - CENTER
ra_targ	10.685
dec_targ	41.268972
ra_nom	10.685923443591
dec_nom	41.2730986313
roll_nom	94.691216191688
revision	3
ontime	1190.0250463784
livetime	1183.981333645
l2events	31784



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	2007-11-20T14:57:02
revision	3

sched_exp_time	1000.000000
ontime	1190.0250463784
l1events	58648

2.1.3 Events

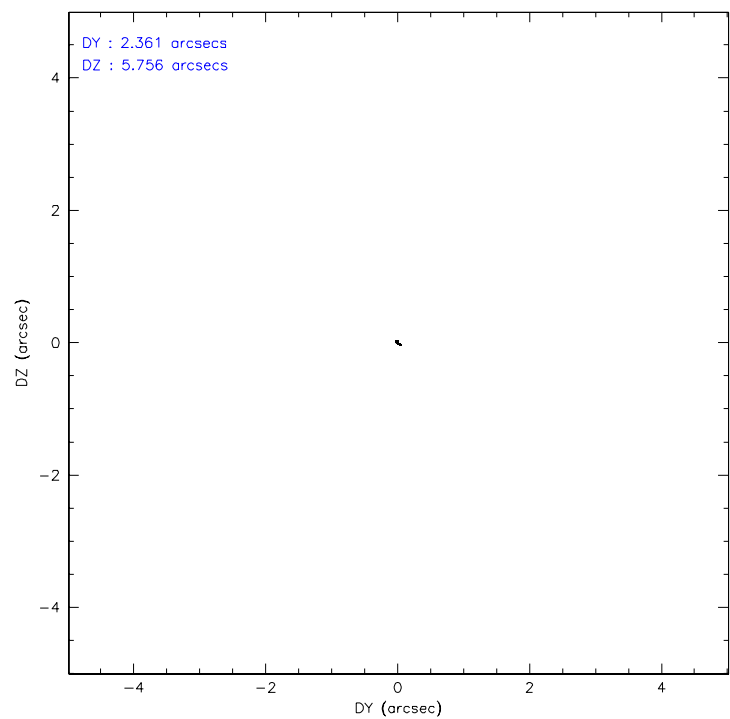
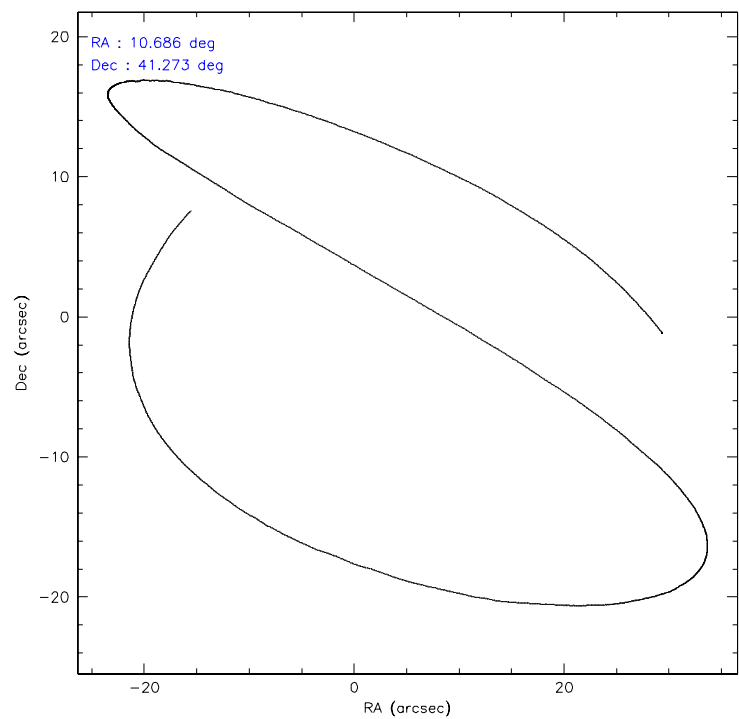
Level 1 Events

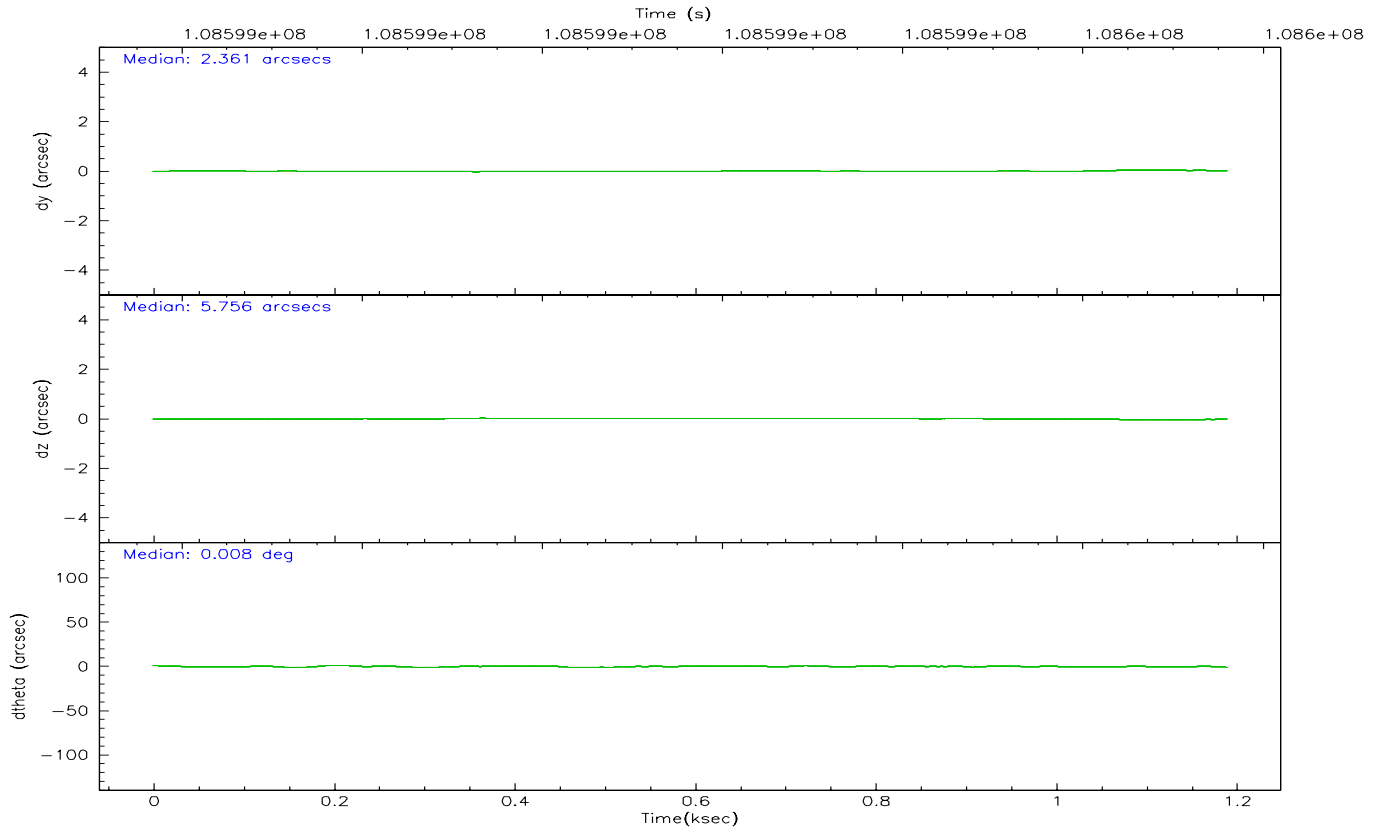
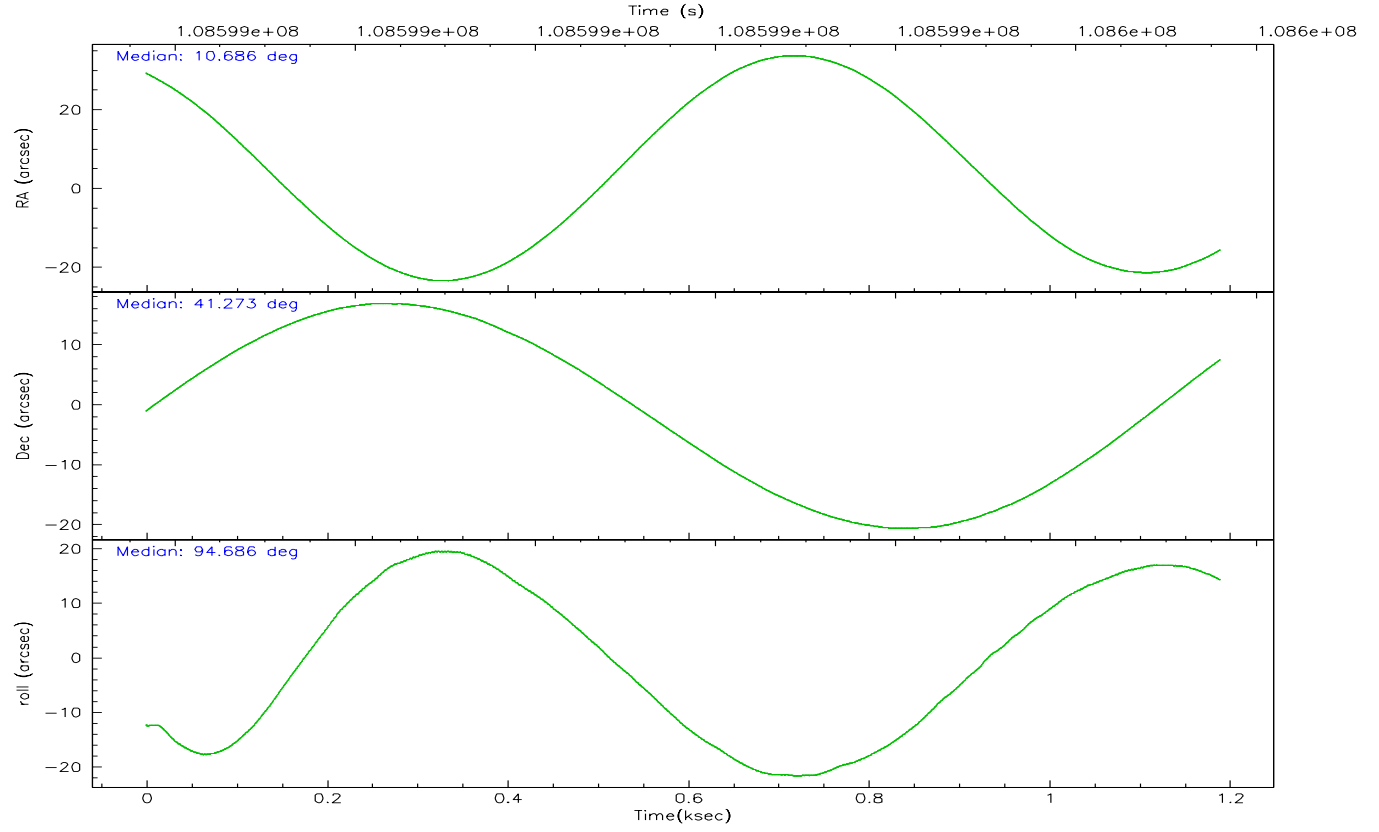
	segment 0
level 1 events	58648
rejected events	12286
rejected %	20%

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	10.707910	10.68592344359052			
Pointing Dec	41.251012	41.27309863130009			
Pointing Roll	94.772261	94.6912161916883			
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	108598756.184000	108598380.71402			
Observation start date	2001-06-10T22:18:12	2001-06-10T22:13:00			
Observation end time	108599756.184000	108599890.53908			
Observation end date	2001-06-10T22:34:52	2001-06-10T22:38:10			

2.3 Aspect



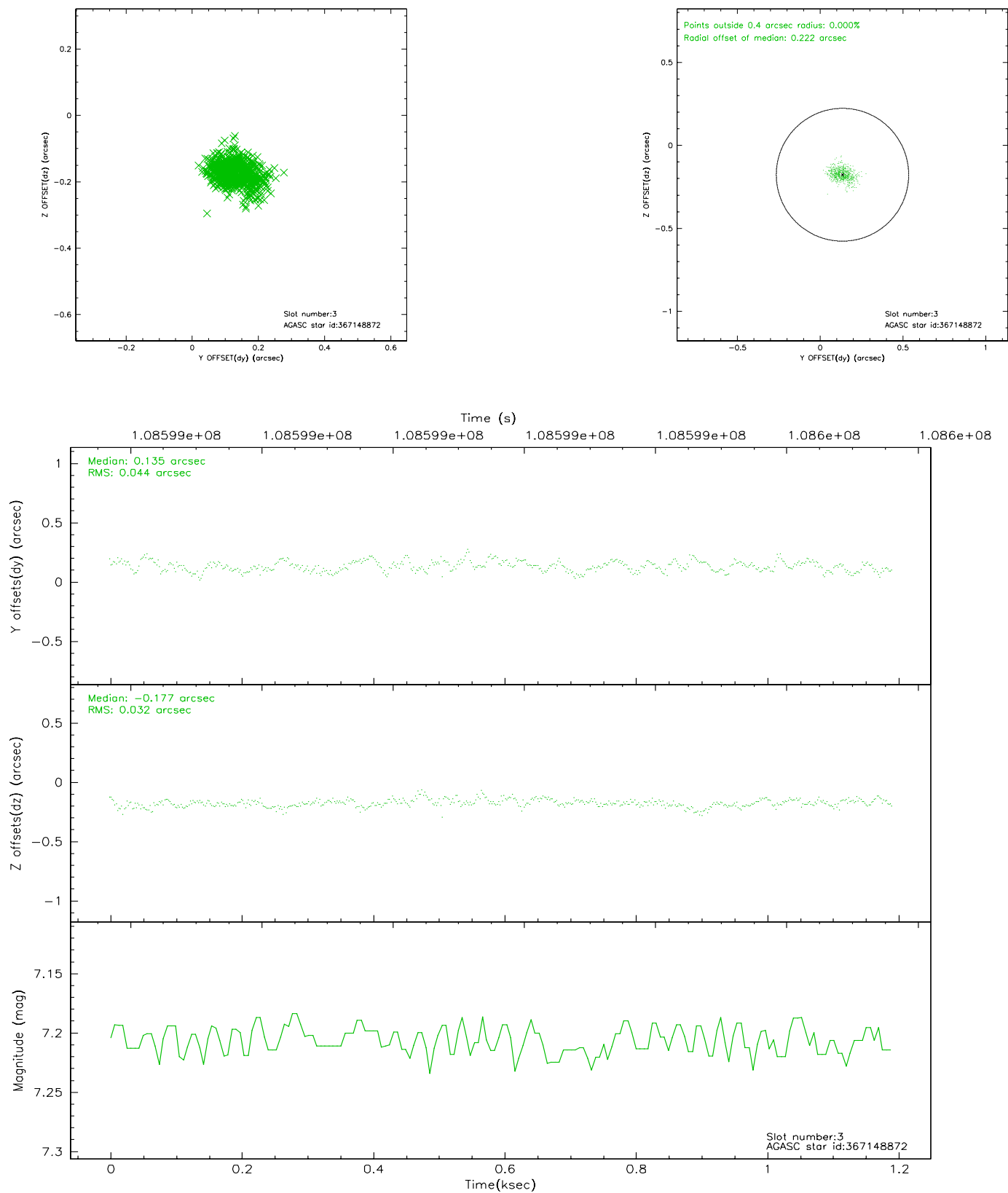


Slot Statistics

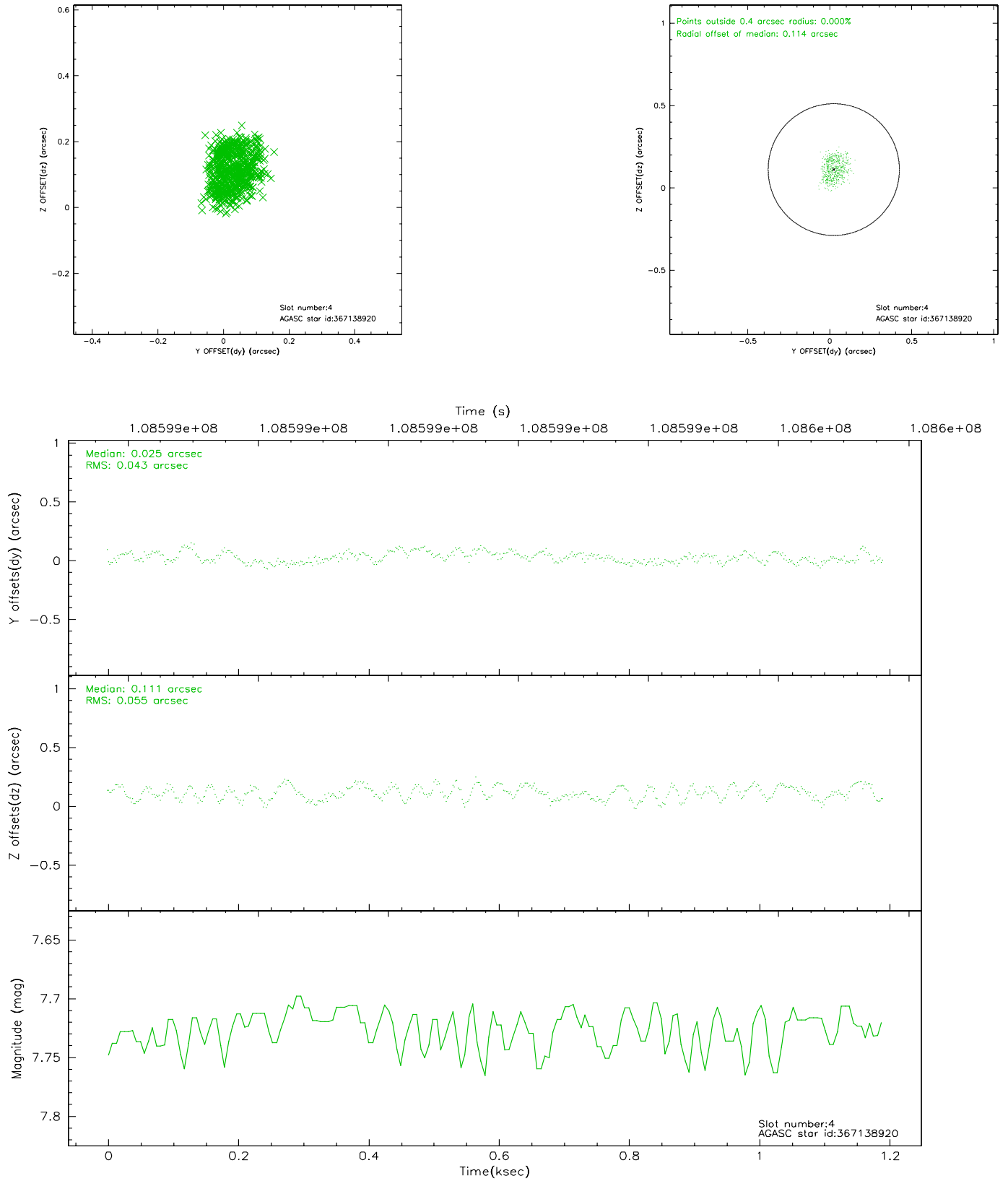
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	291	0.018	0.008	0.006	0.010	0.000000	0.000000	854.85	-1295.11
1	FID	HRC-I-3	7.07	291	0.035	-0.055	0.005	0.009	0.000000	0.000000	-1183.35	1006.48
2	FID	HRC-I-4	7.01	291	0.065	-0.041	0.006	0.010	0.000000	0.000000	1280.96	1012.04
3	GUIDE	367148872	7.21	582	0.135	-0.177	0.058	0.095	10.505940	40.688258	-1972.58	716.44
4	GUIDE	367138920	7.73	582	0.025	0.111	0.075	0.110	11.513485	40.808909	-1762.08	-2056.02
5	GUIDE	367674552	8.85	582	-0.086	0.077	0.067	0.110	11.016238	41.570845	1076.58	-928.04
6	GUIDE	367657896	9.01	582	-0.012	0.073	0.083	0.132	11.197765	41.313576	119.75	-1341.71
7	GUIDE	367665472	9.49	581	-0.067	-0.097	0.090	0.150	10.241611	41.730843	1828.90	1101.04

2.4 Star Slots

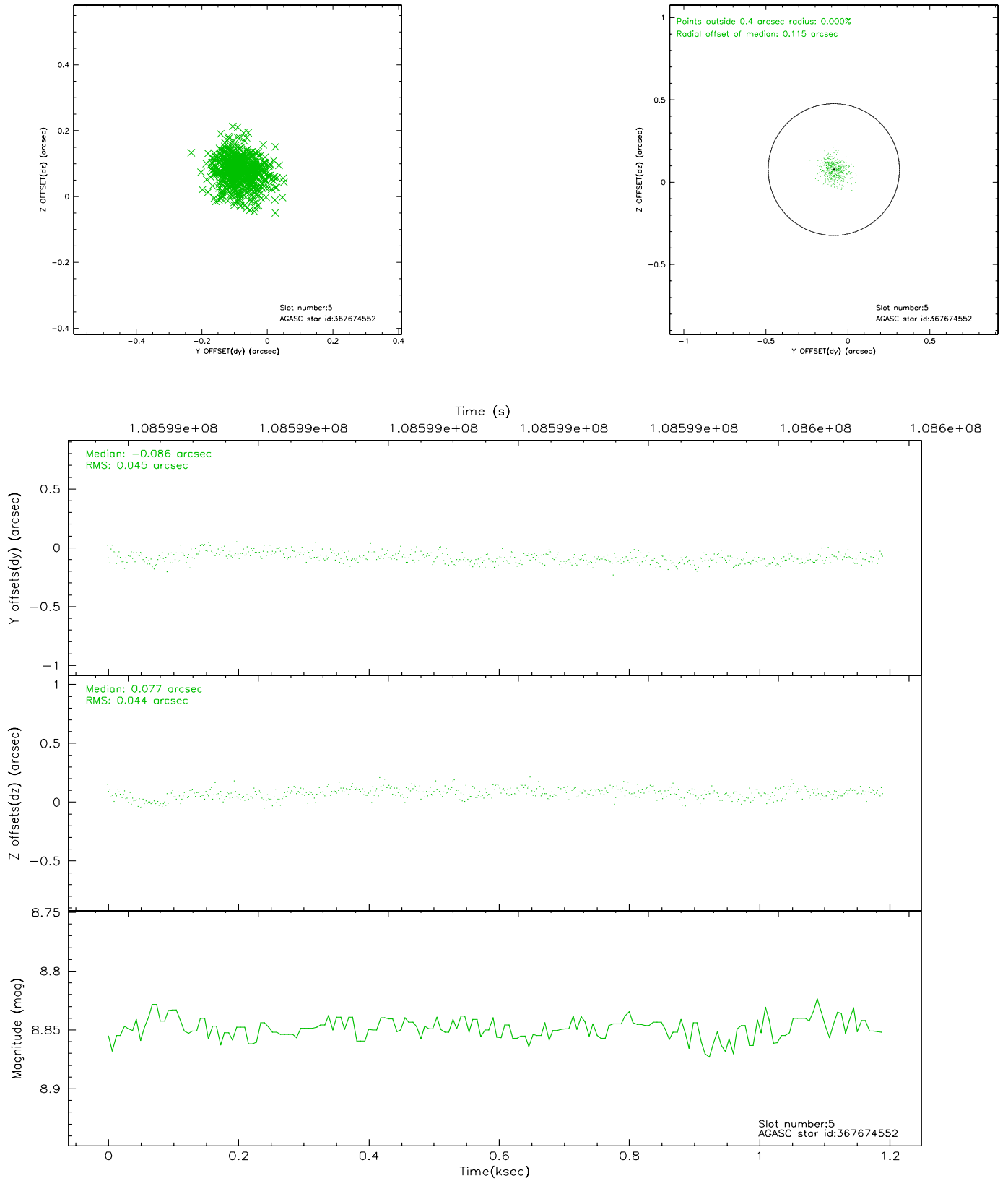
2.4.1 Slot 3



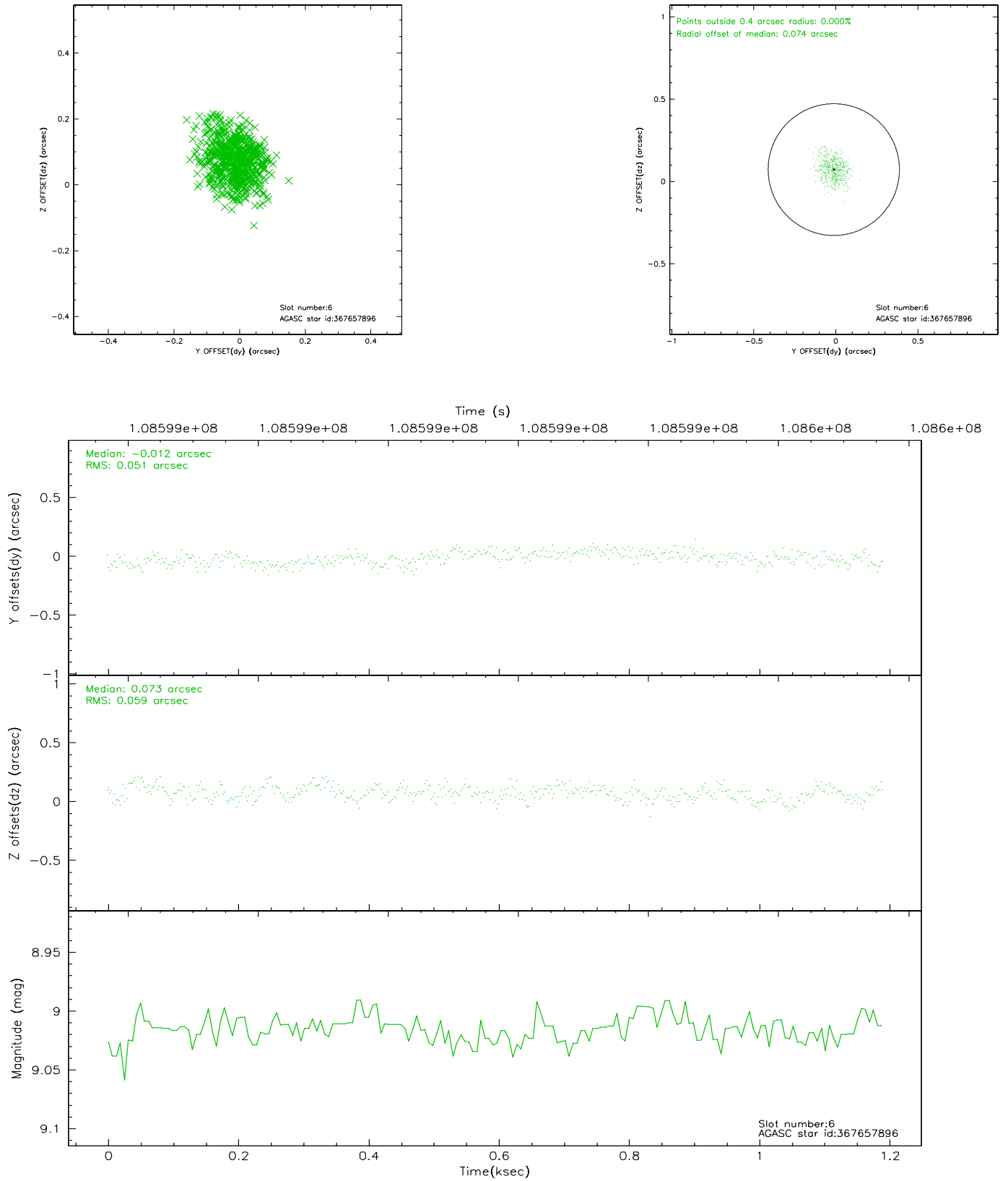
2.4.2 Slot 4



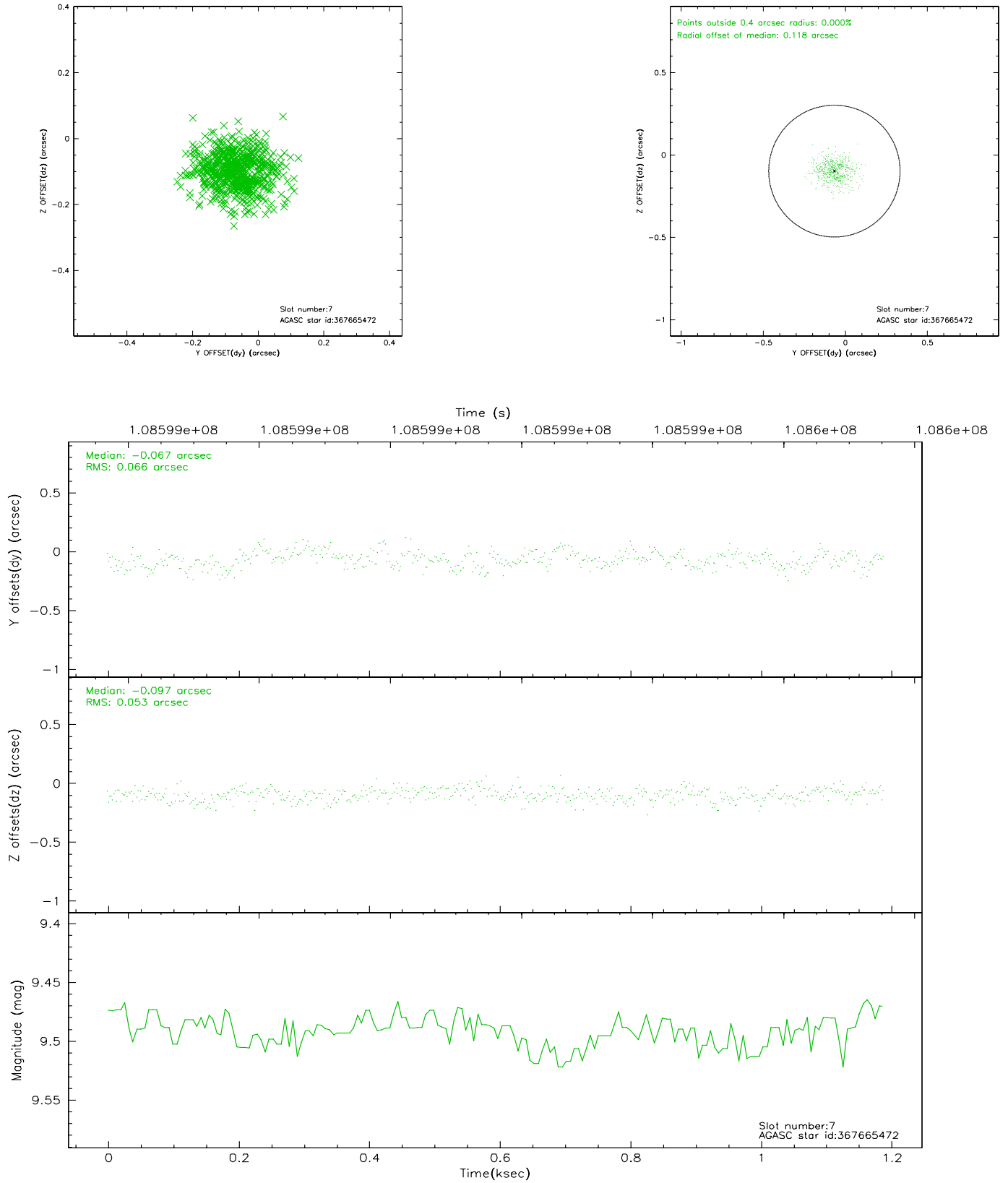
2.4.3 Slot 5



2.4.4 Slot 6

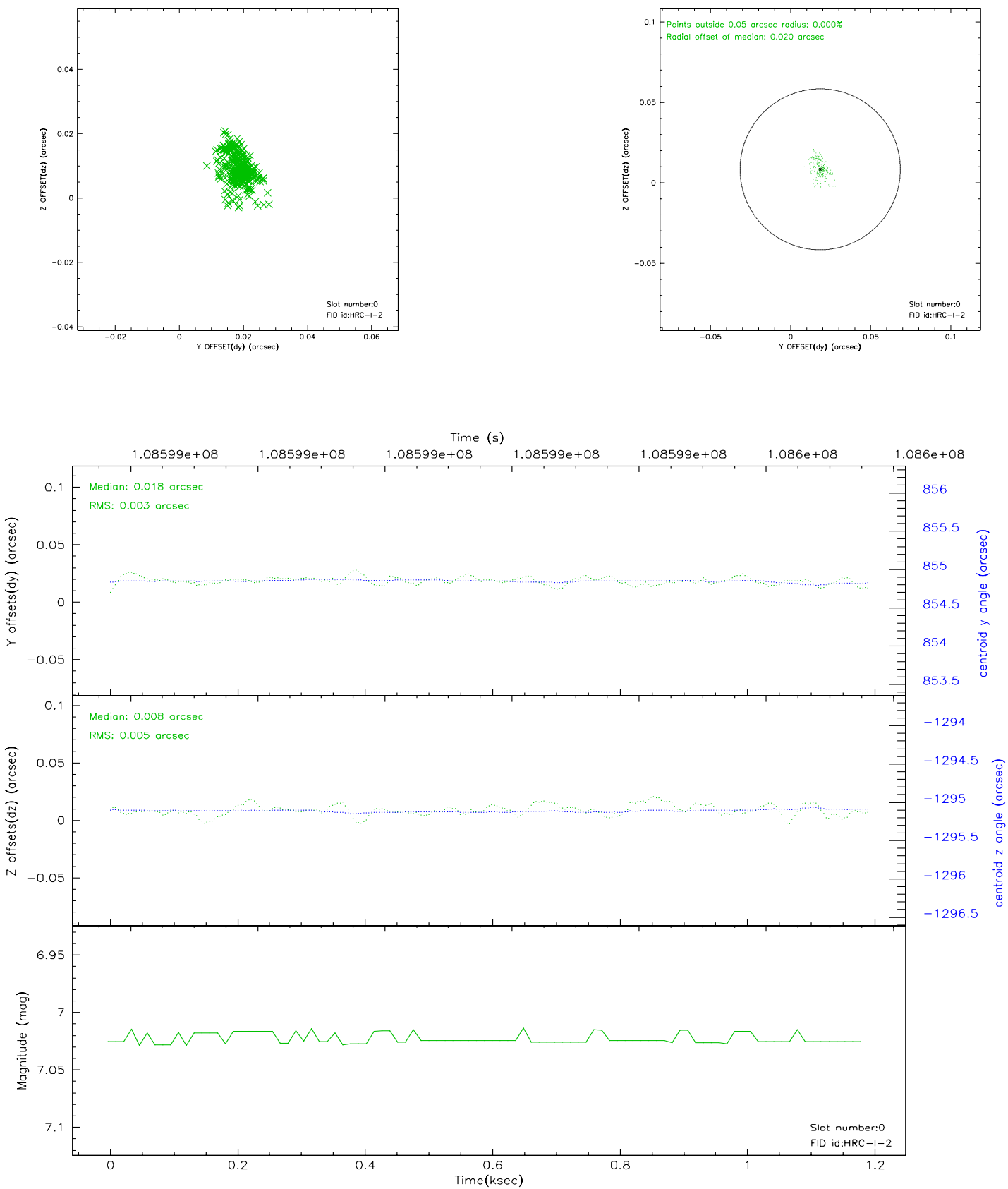


2.4.5 Slot 7

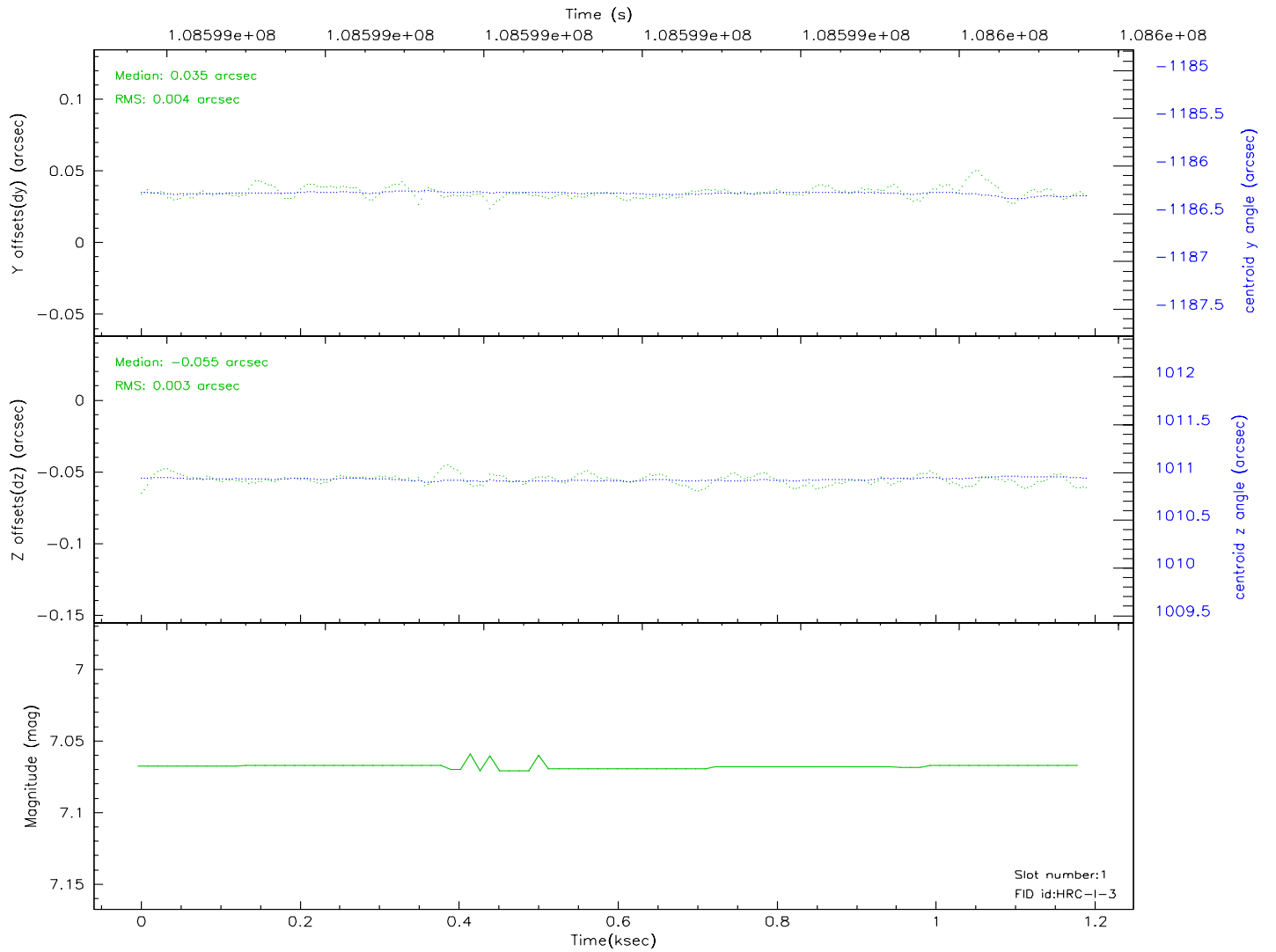
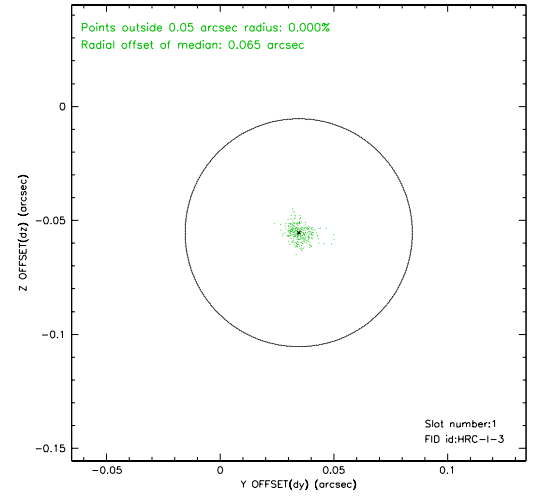
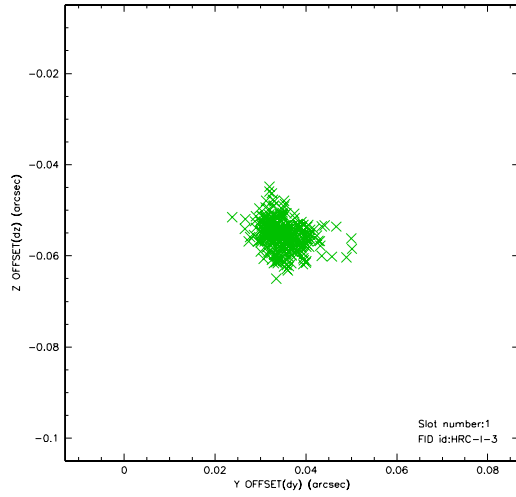


2.5 FID Slots

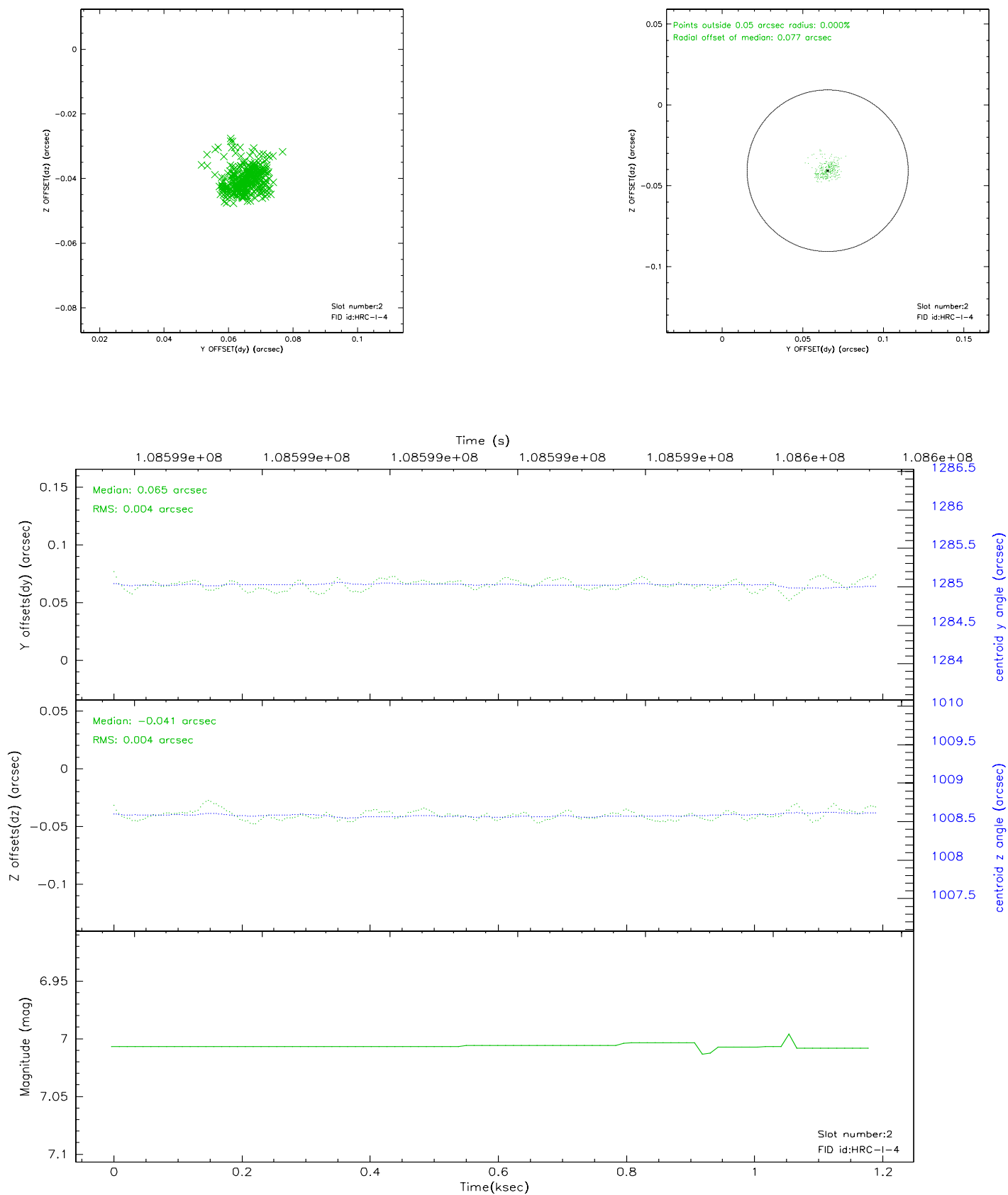
2.5.1 Slot 0



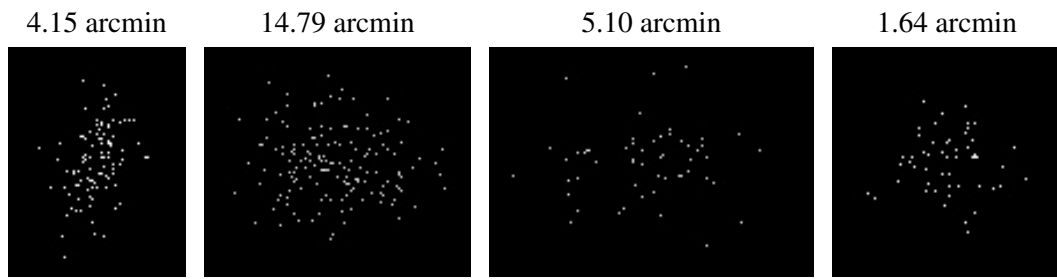
2.5.2 Slot 1



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.