

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1568 - L2 Version 3
Chandra X-Ray Center

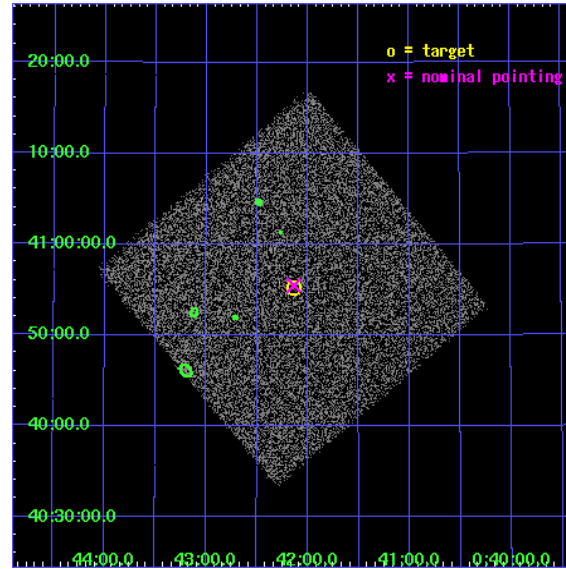
L2 Processing Date : Nov 20 2007

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1 Front

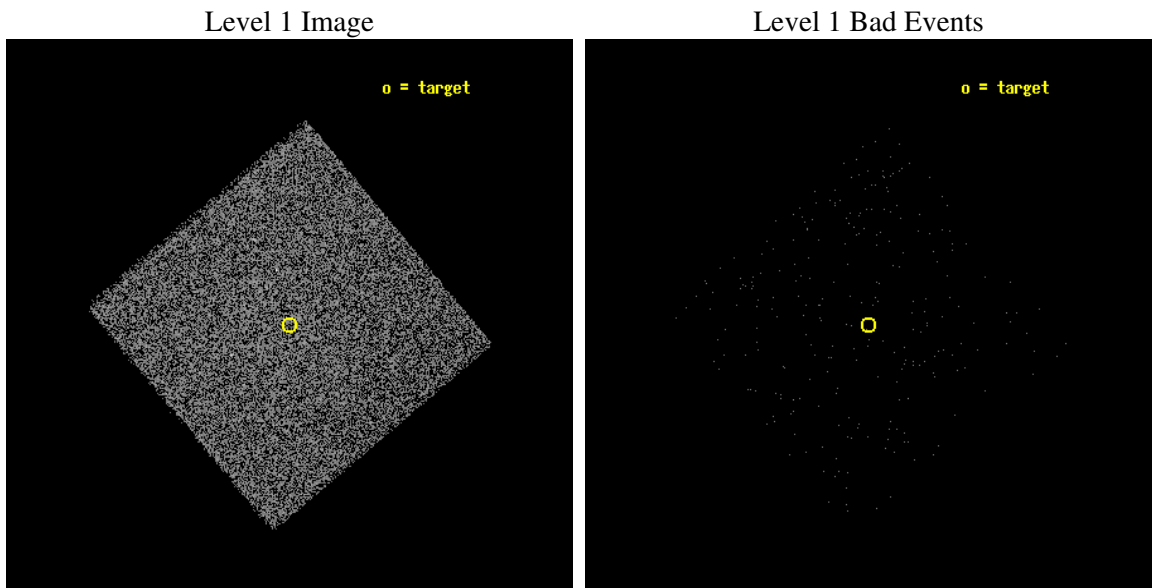
seq_num	600125
obs_id	1568
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - SOUTH 1
ra_targ	10.533333
dec_targ	40.921389
ra_nom	10.534043118085
dec_nom	40.92498850423
roll_nom	94.978357843589
revision	3
ontime	1192.3312964737
livetime	1186.458006573
l2events	29368



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	2007-11-20T14:57:04
revision	3

sched_exp_time	1000.000000
ontime	1192.3312964737
l1events	55441

2.1.3 Events

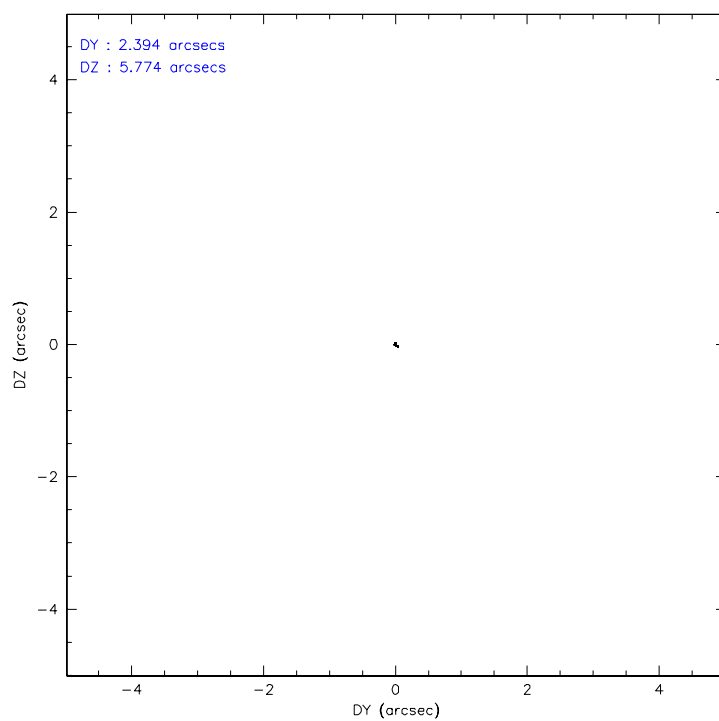
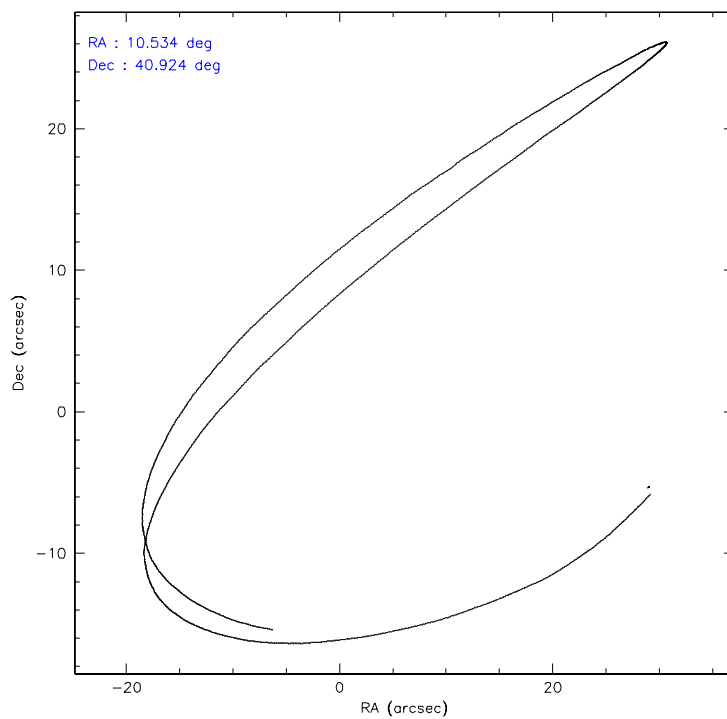
Level 1 Events

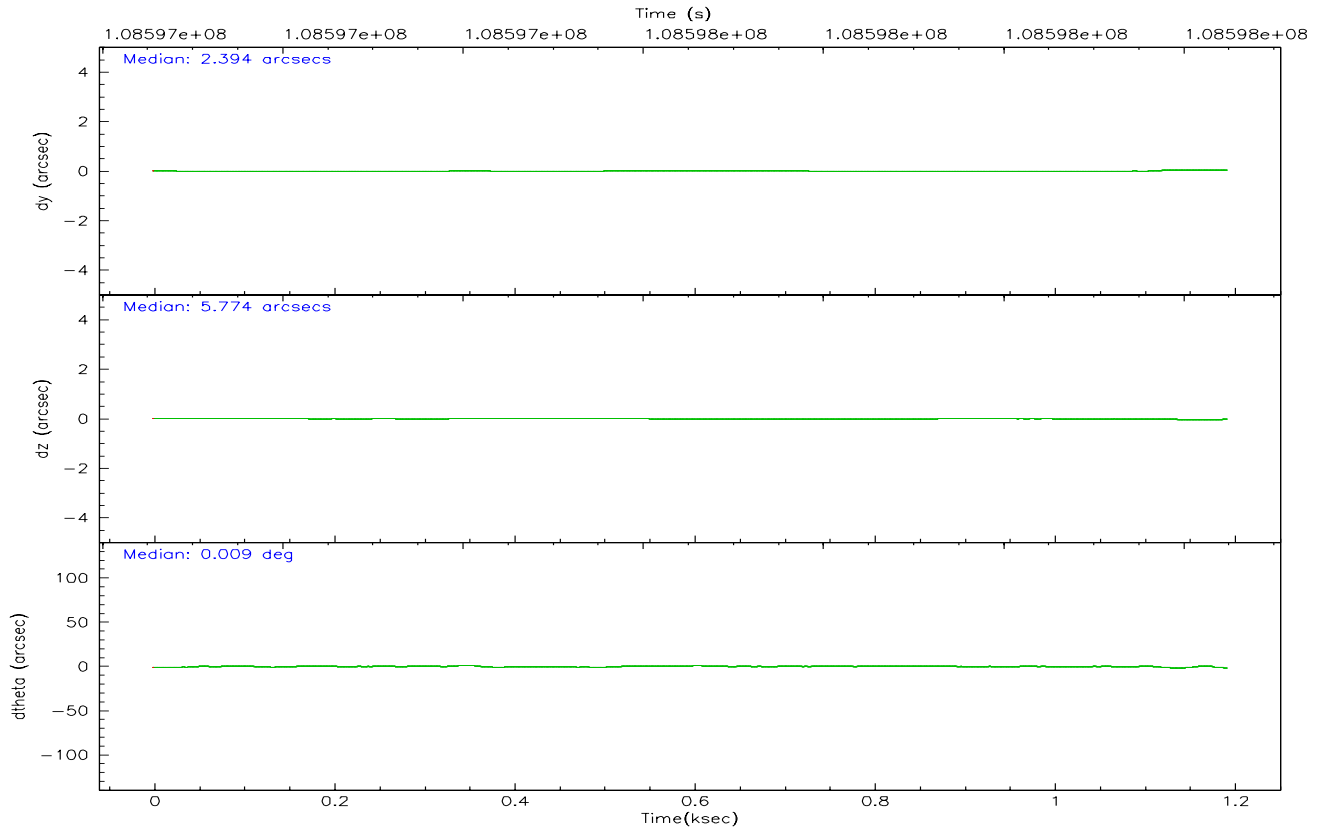
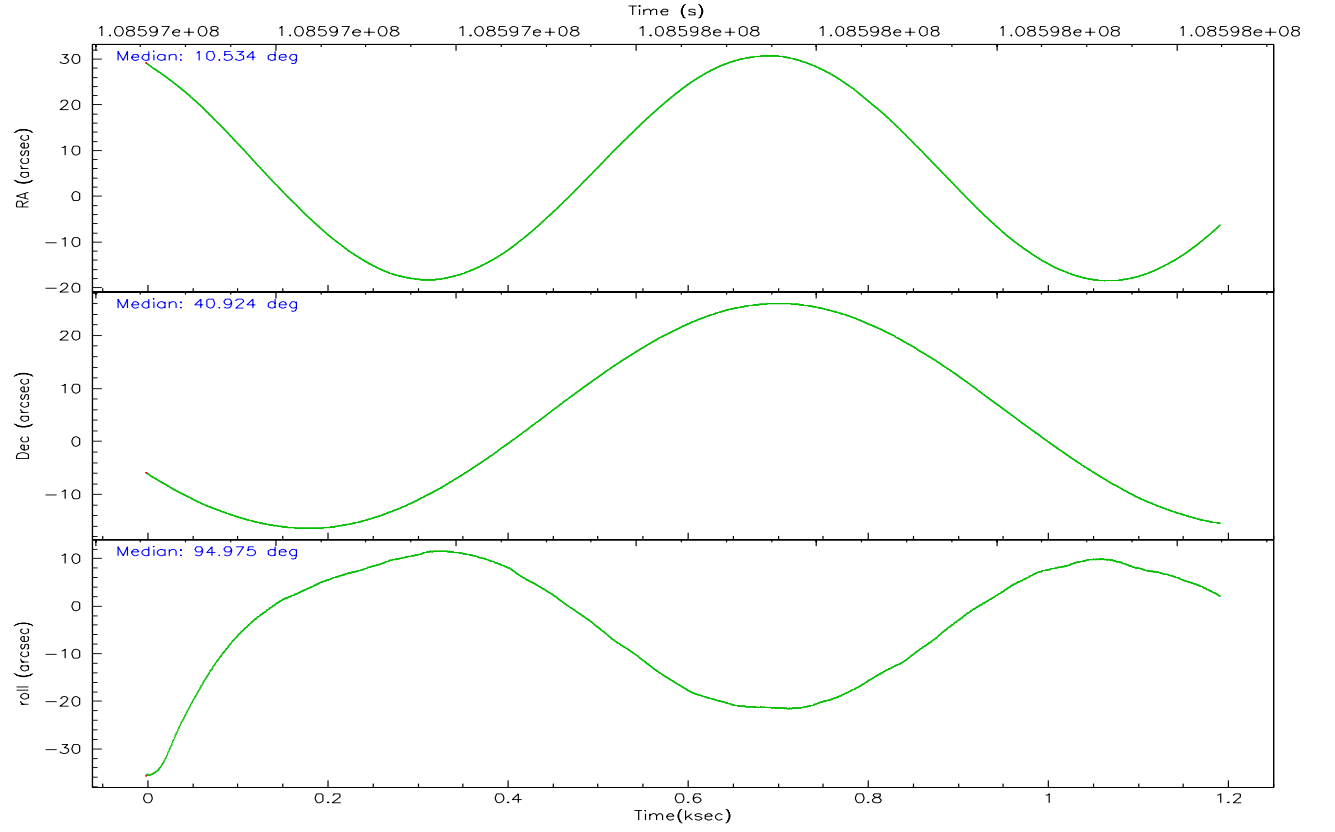
	segment 0
level 1 events	55441
rejected events	11624
rejected %	20%

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	10.556239	10.53404311808464			
Pointing Dec	40.903518	40.92498850423005			
Pointing Roll	95.059499	94.97835784358885			
Window start time	108216064.184000	108216064.184000			
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	108597246.184000	108596870.88896			
Observation start date	2001-06-10T21:53:02	2001-06-10T21:47:50			
Observation end time	108598246.184000	108598380.71402			
Observation end date	2001-06-10T22:09:42	2001-06-10T22:13:00			

2.3 Aspect



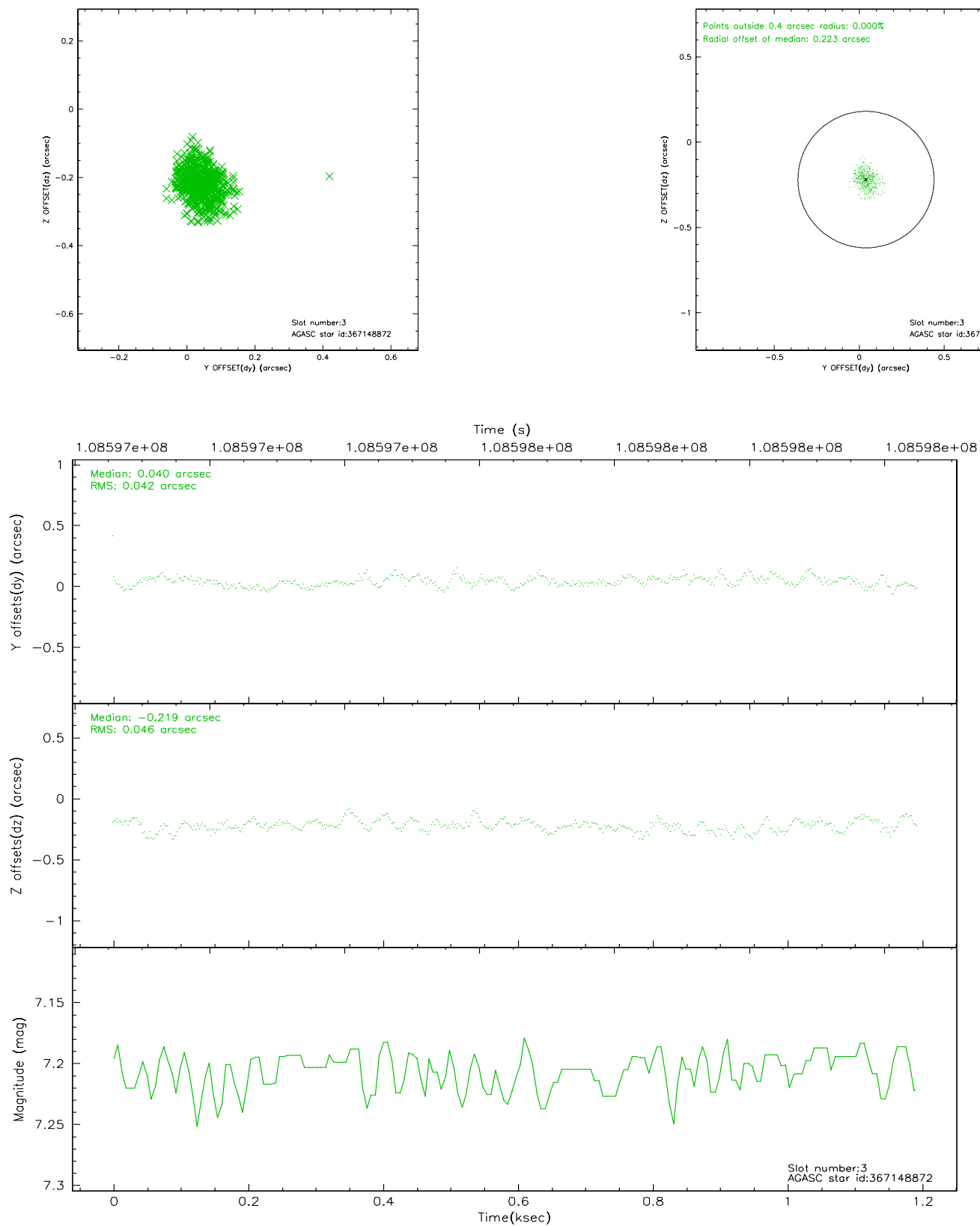


Slot Statistics

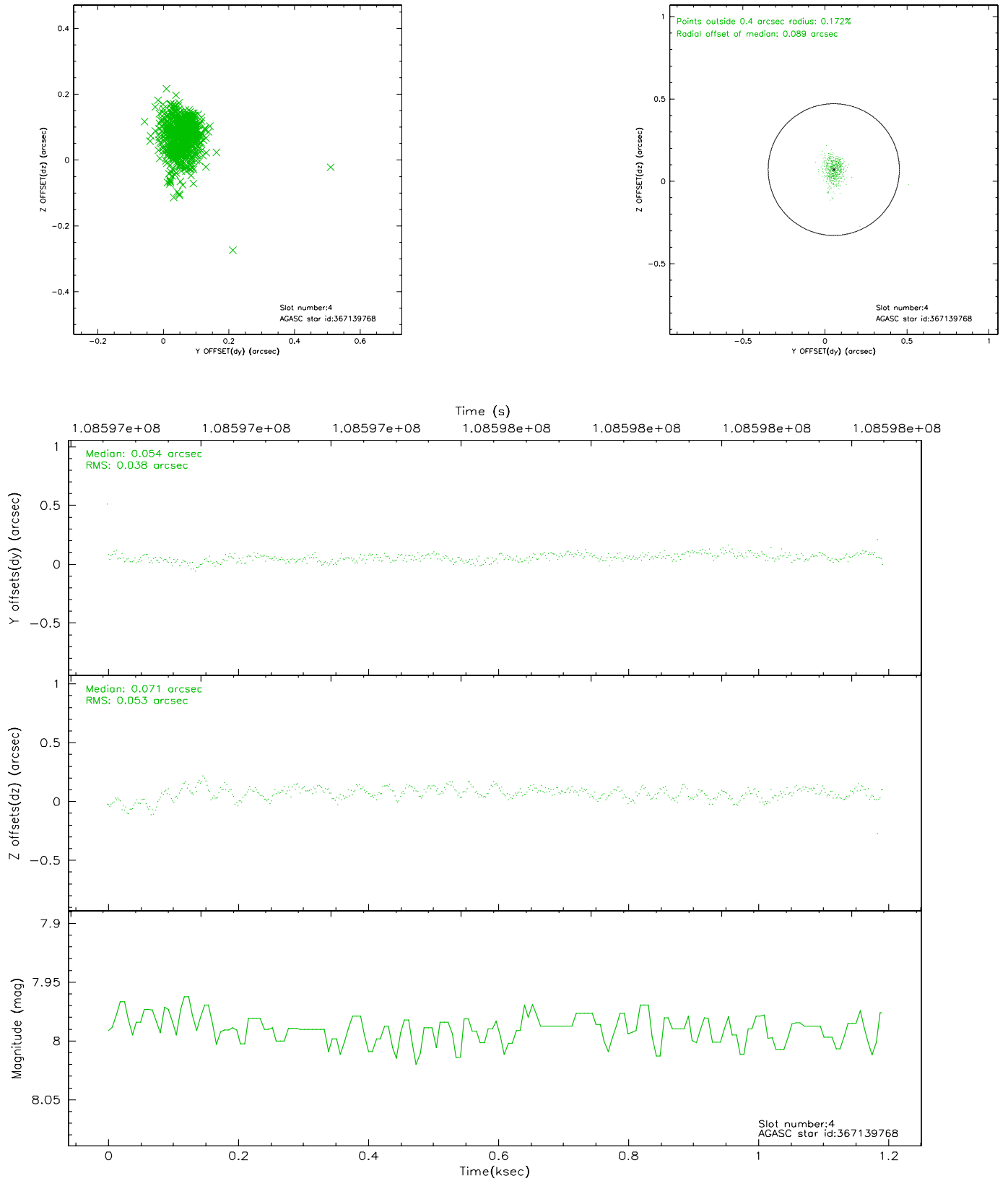
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	292	0.028	0.027	0.006	0.013	0.000000	0.000000	-757.83	-1293.55
1	FID	HRC-I-3	7.07	291	0.027	-0.083	0.007	0.014	0.000000	0.000000	-1188.92	1006.46
2	FID	HRC-I-4	7.01	292	0.060	-0.031	0.006	0.013	0.000000	0.000000	1280.93	1012.00
3	GUIDE	367148872	7.20	583	0.040	-0.219	0.067	0.103	10.505940	40.688258	-758.03	203.02
4	GUIDE	367139768	7.99	583	0.054	0.071	0.062	0.106	11.069715	40.685175	-901.89	-1328.81
5	GUIDE	367144424	8.64	583	0.245	-0.072	0.063	0.103	10.464515	40.309136	-2108.64	435.19
6	GUIDE	367674552	8.87	583	-0.185	0.057	0.093	0.151	11.016238	41.570845	2285.14	-1447.20
7	GUIDE	367657896	9.02	582	-0.159	0.150	0.098	0.176	11.197765	41.313576	1329.54	-1862.76

2.4 Star Slots

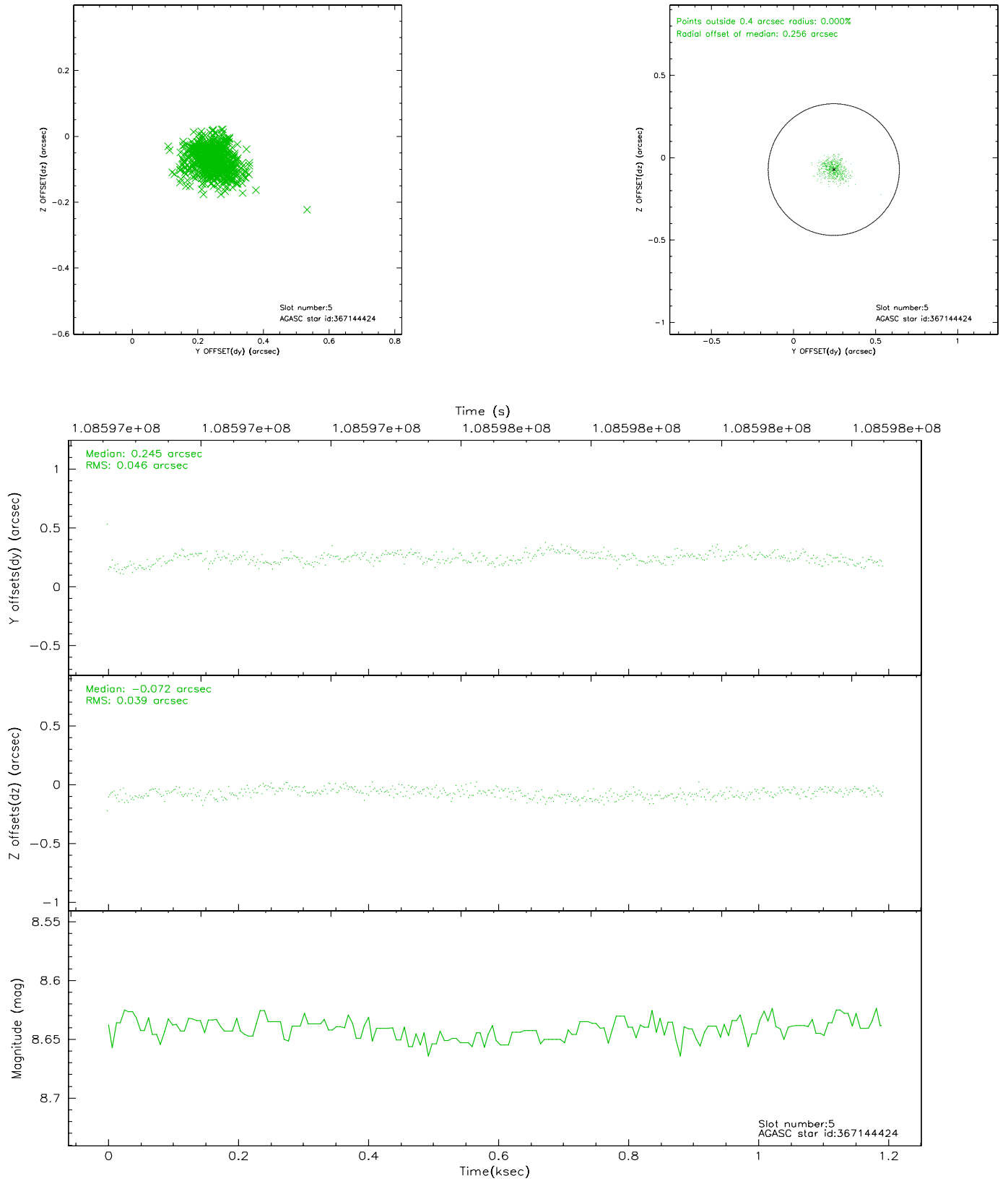
2.4.1 Slot 3



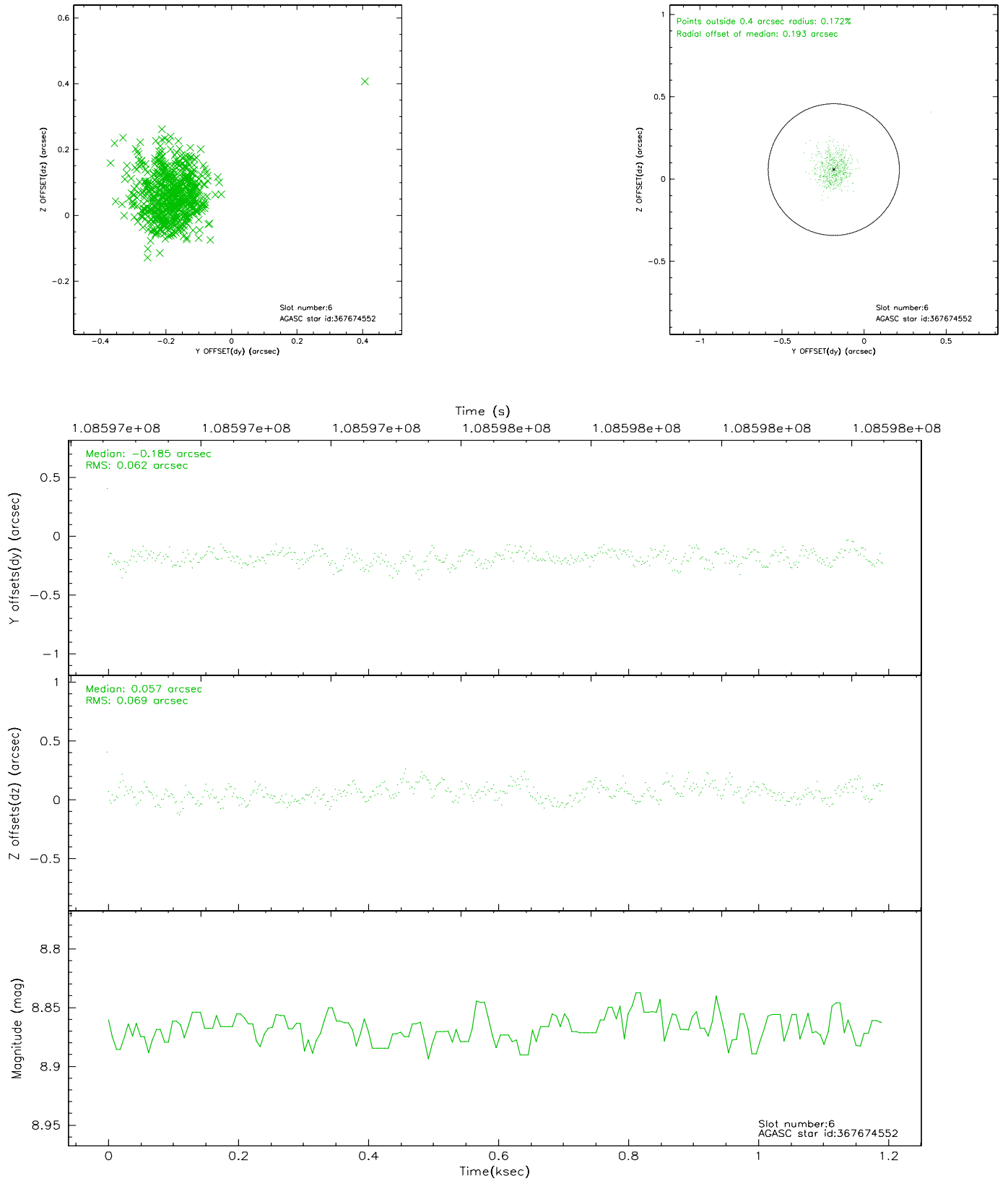
2.4.2 Slot 4



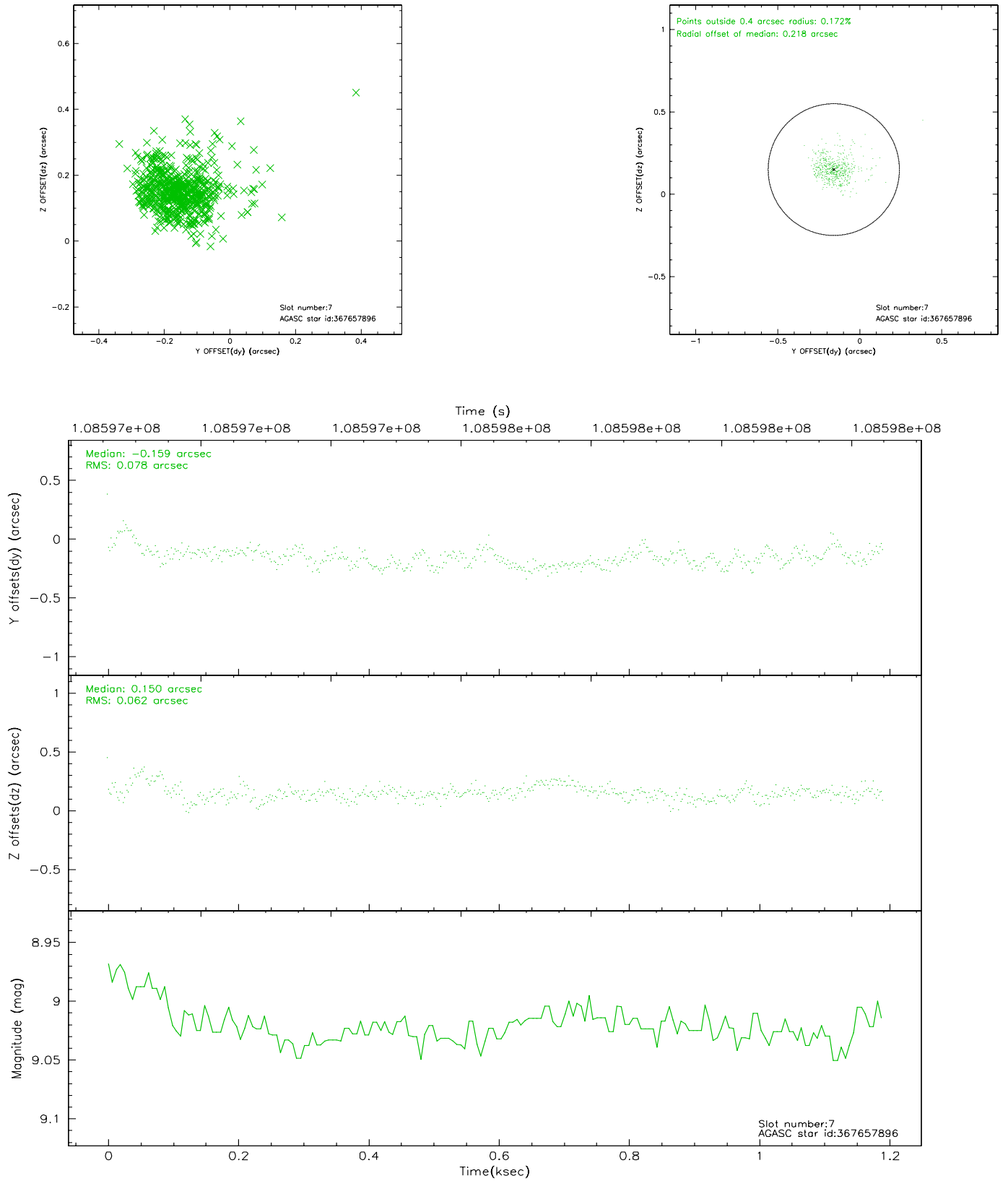
2.4.3 Slot 5



2.4.4 Slot 6

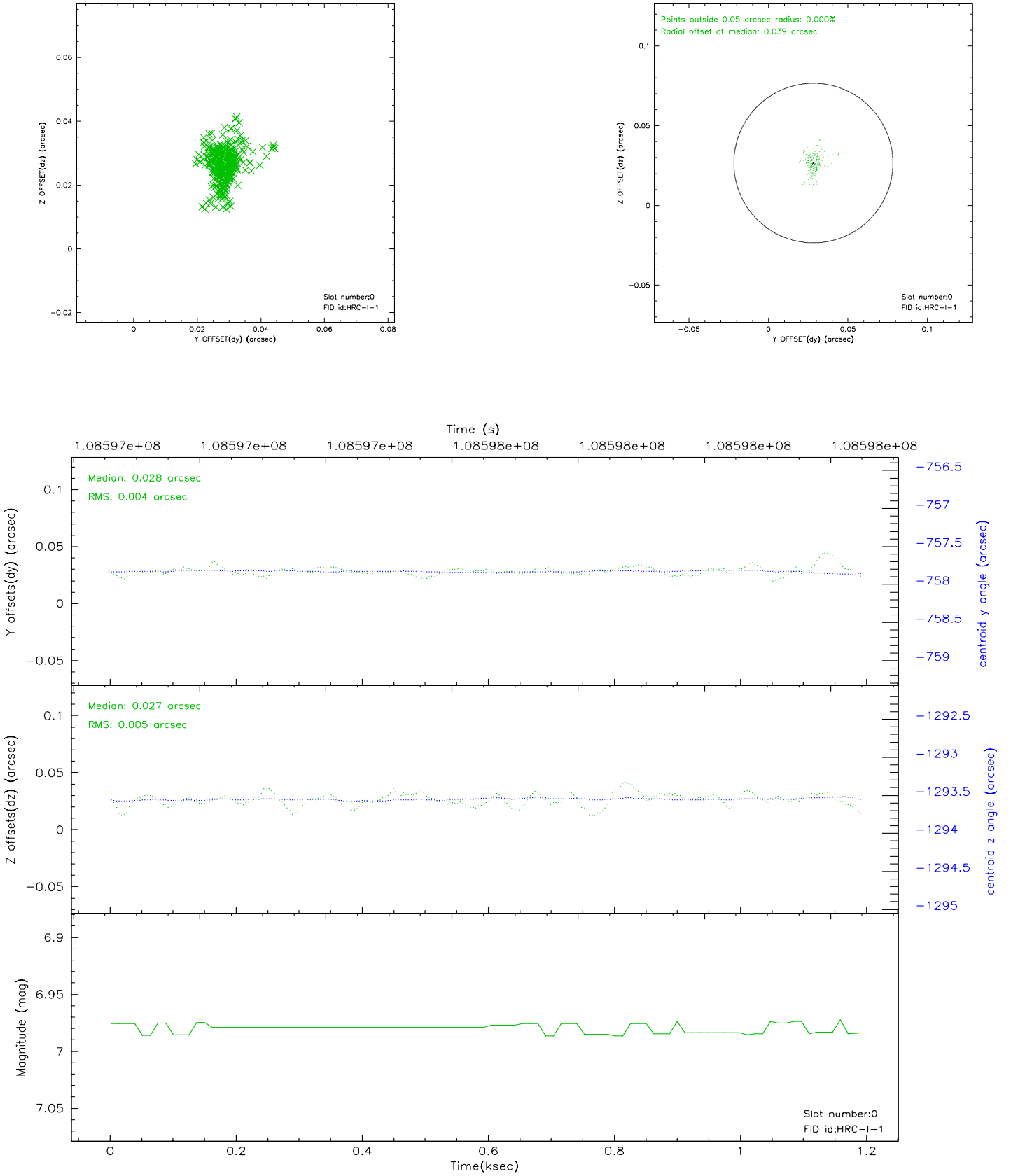


2.4.5 Slot 7

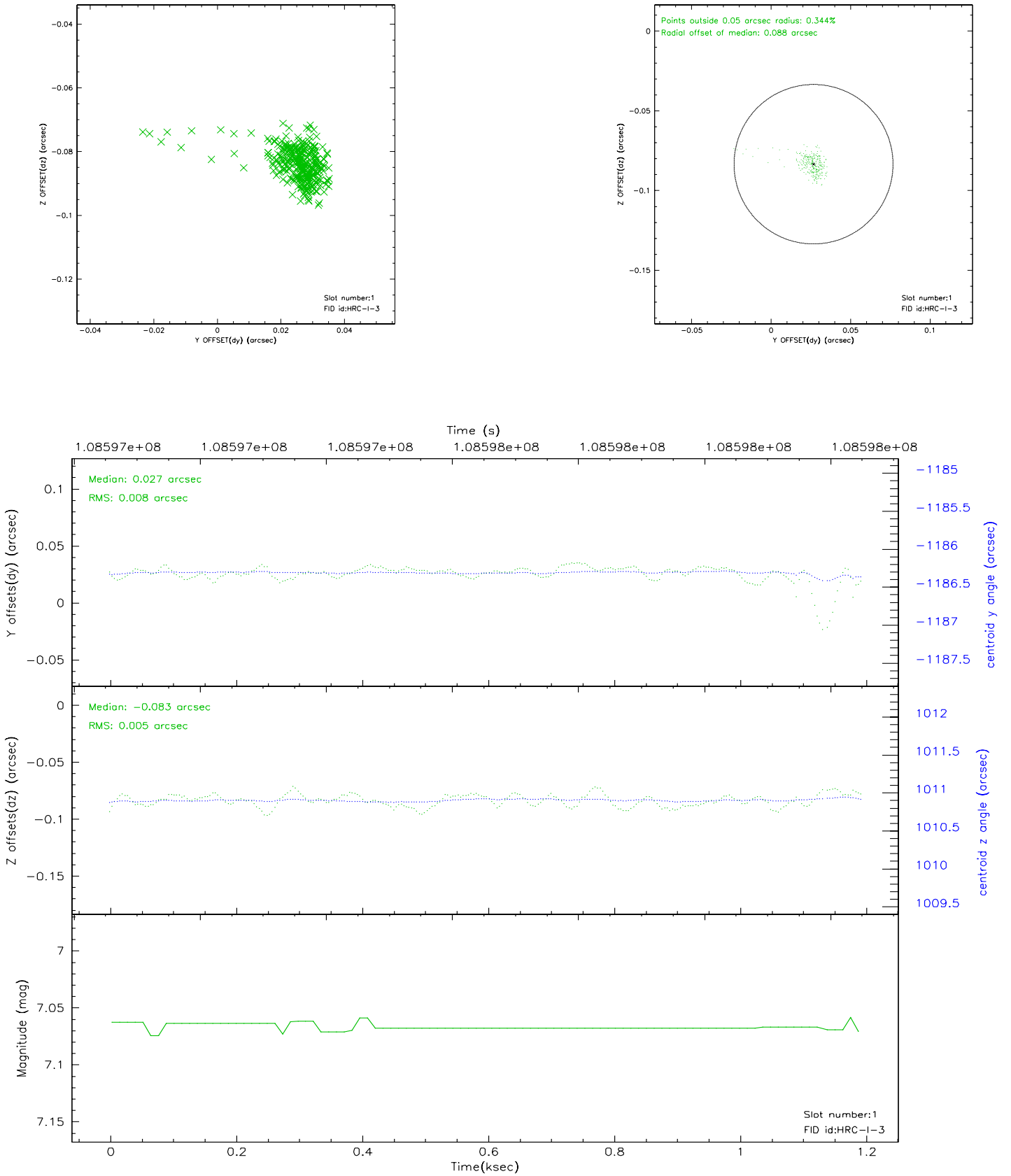


2.5 FID Slots

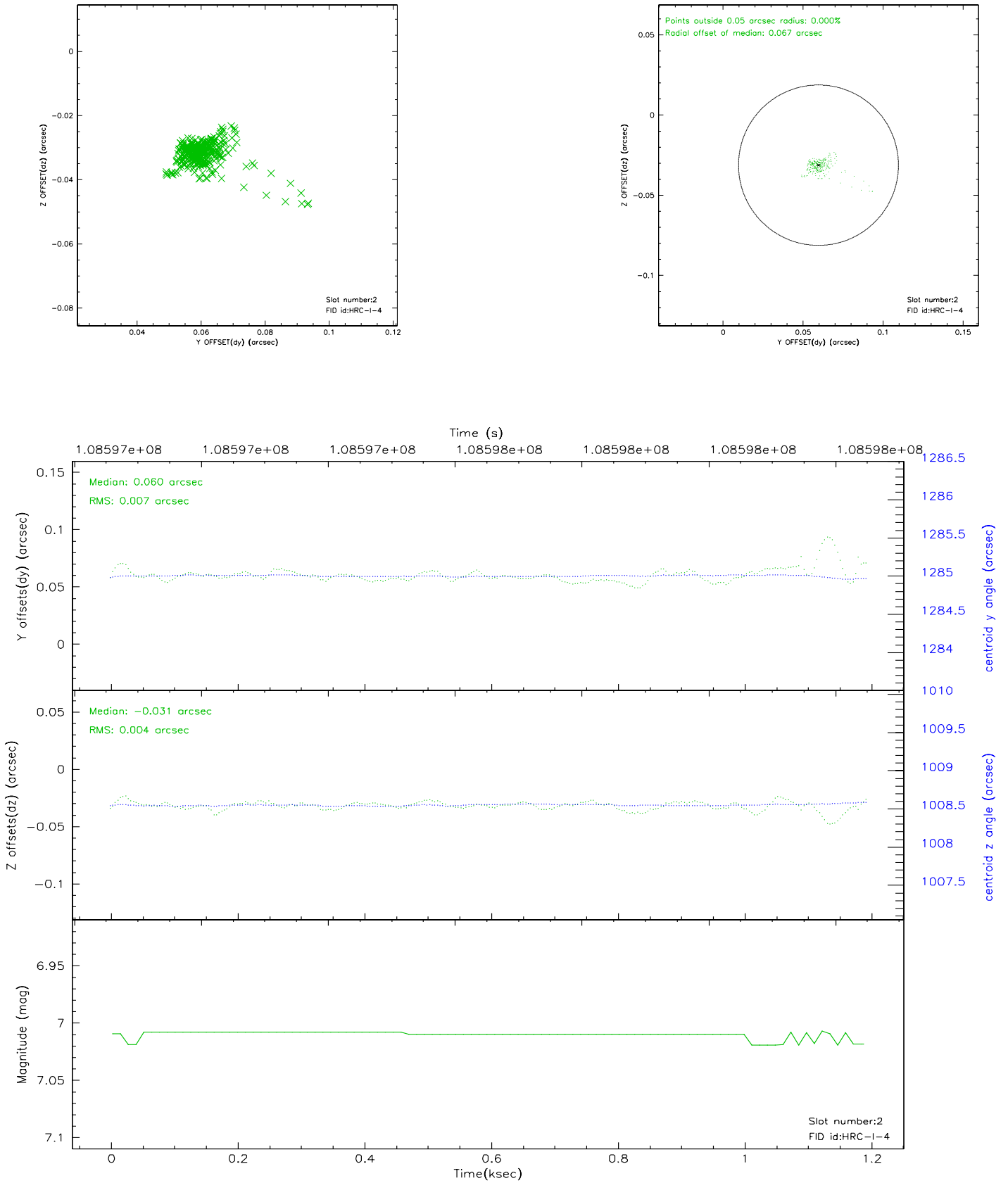
2.5.1 Slot 0



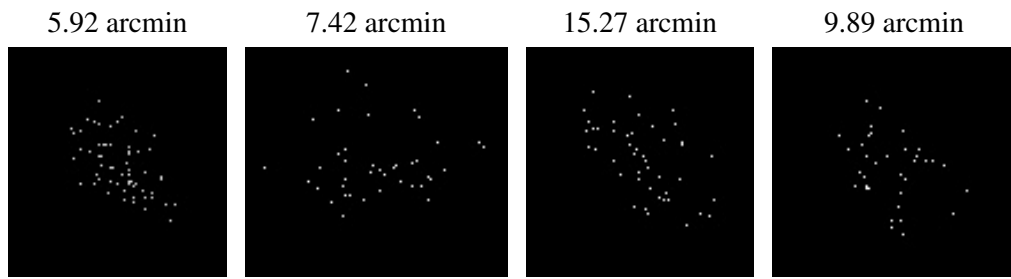
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2

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.