

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1565 - L2 Version 4
Chandra X-Ray Center

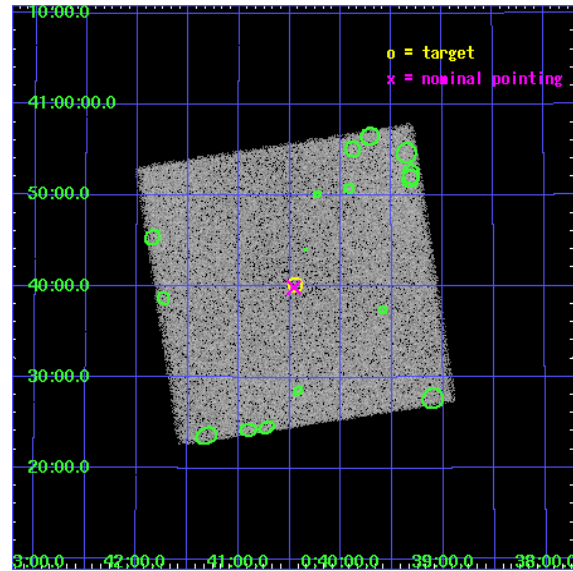
L2 Processing Date : Nov 21 2007

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1 Front

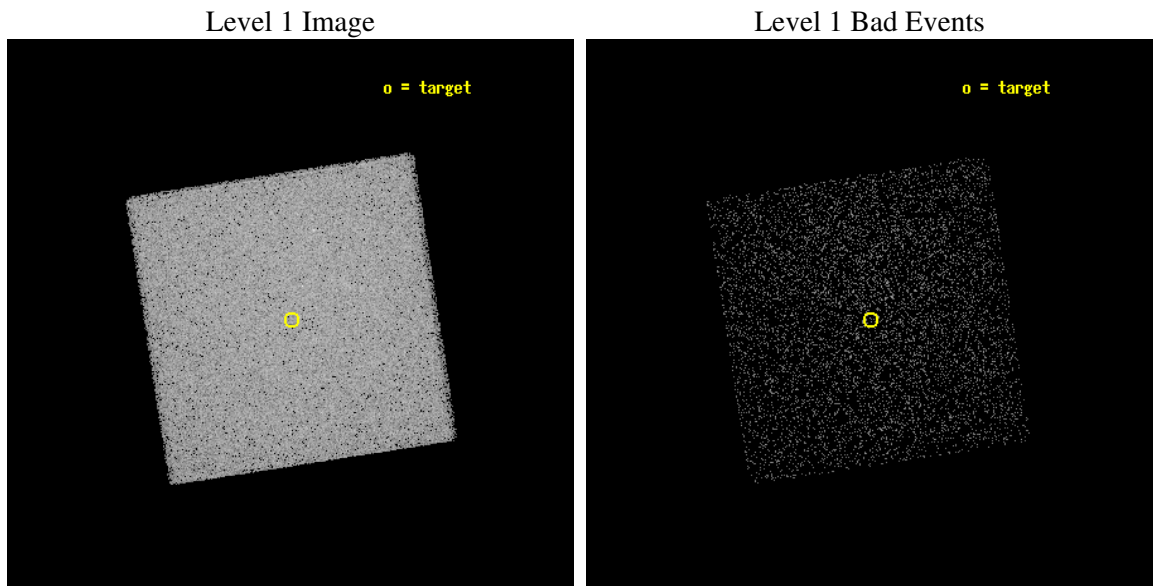
seq_num	600122
obs_id	1565
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - SOUTH 2
ra_targ	10.1125
dec_targ	40.67
ra_nom	10.114990367182
dec_nom	40.665365732691
roll_nom	306.15169278399
revision	4
ontime	971.95628744364
livetime	860.96890855533
l2events	135711



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	2007-11-21T07:48:39
revision	4

sched_exp_time	1100.000000
ontime	971.95628744364
l1events	213997

2.1.3 Events

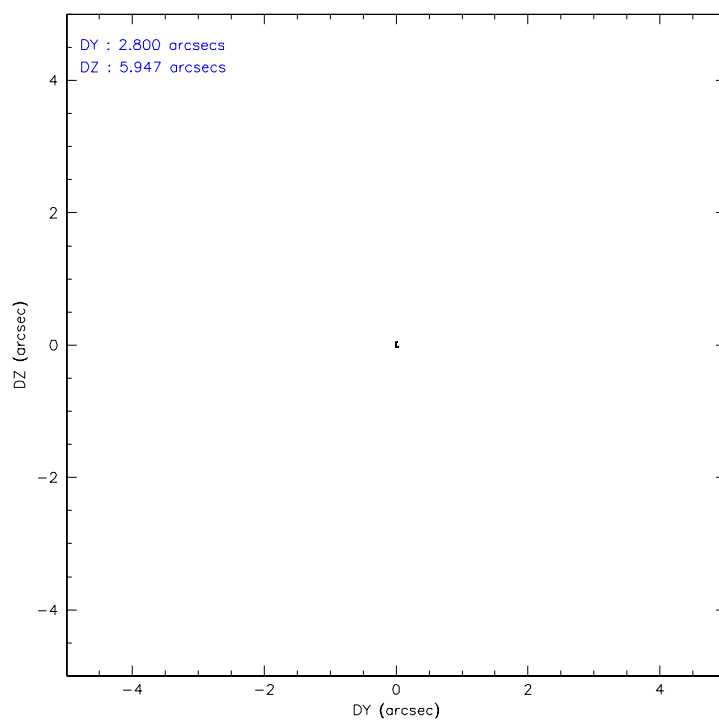
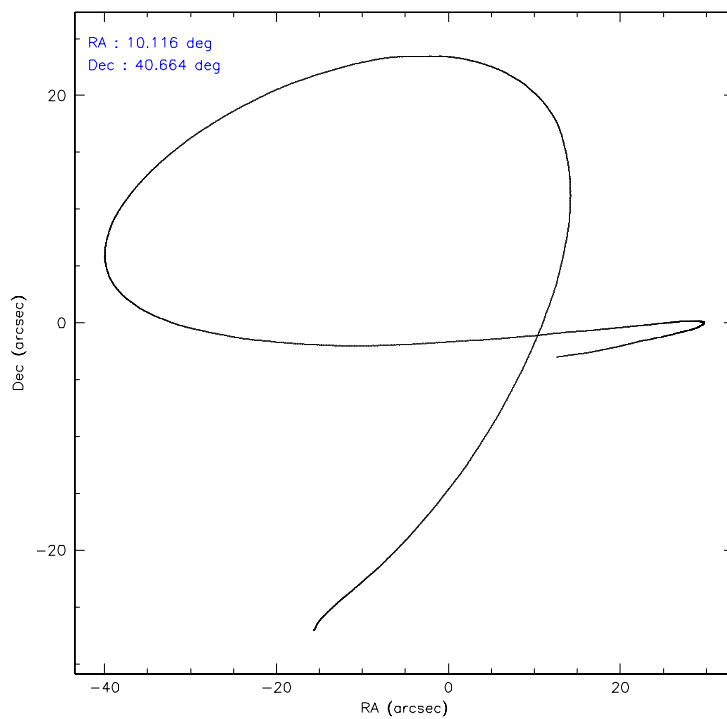
Level 1 Events

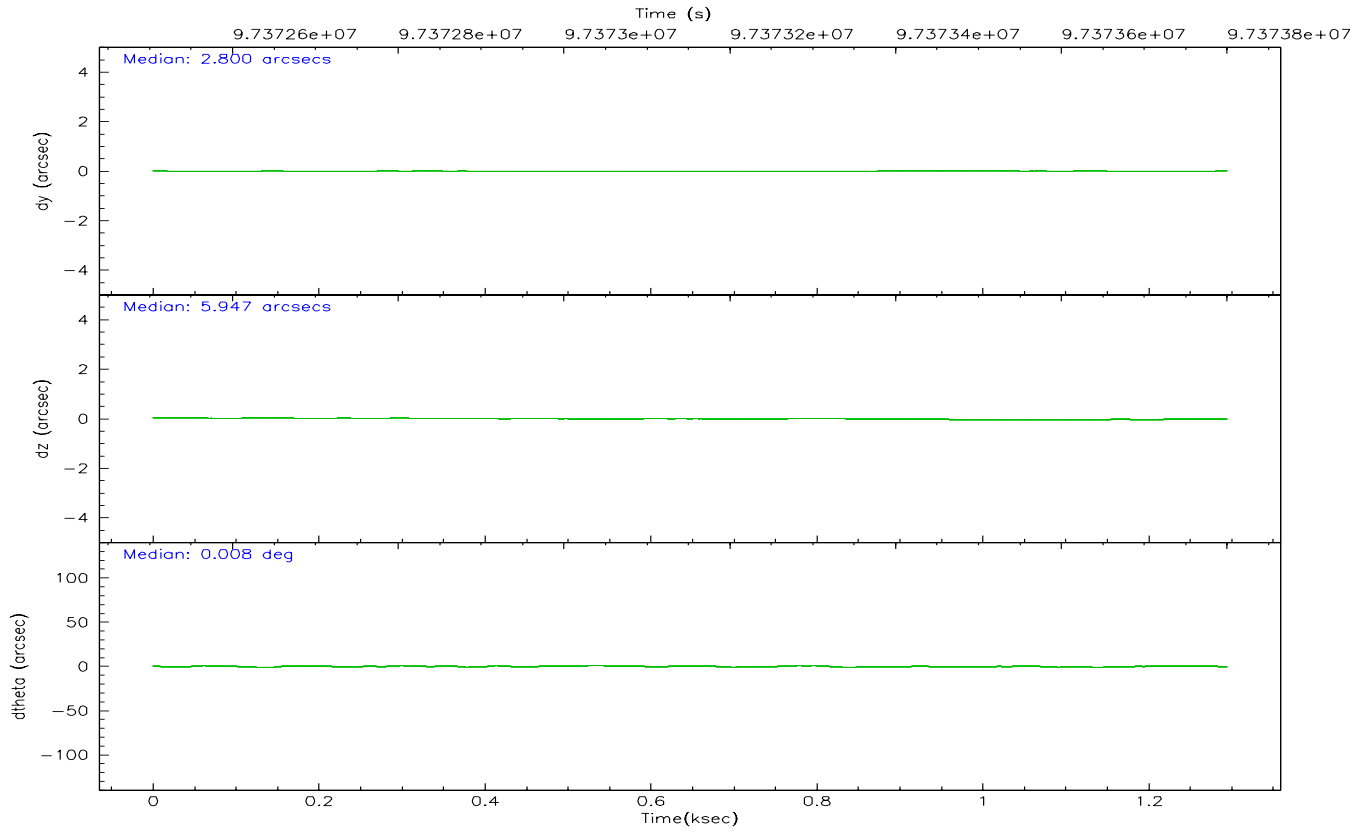
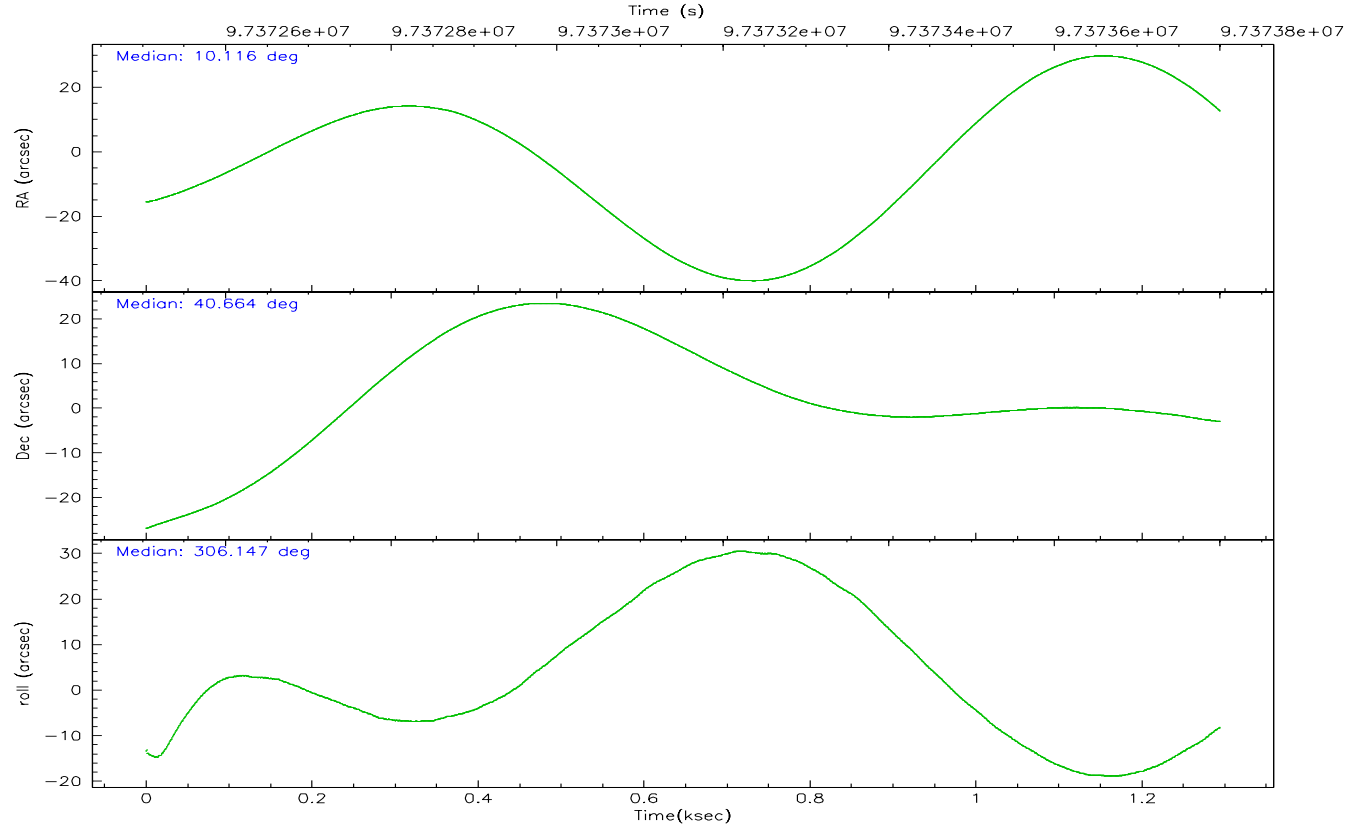
	segment 0
level 1 events	213997
rejected events	34686
rejected %	16%

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	10.080764	10.11499036718208			
Pointing Dec	40.676327	40.66536573269115			
Pointing Roll	306.269728	306.1516927839879			
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	97372699.184000	97372094.429124			
Observation start date	2001-01-31T23:57:15	2001-01-31T23:48:14			
Observation end time	97373799.184000	97373933.279195			
Observation end date	2001-02-01T00:15:35	2001-02-01T00:18:53			

2.3 Aspect



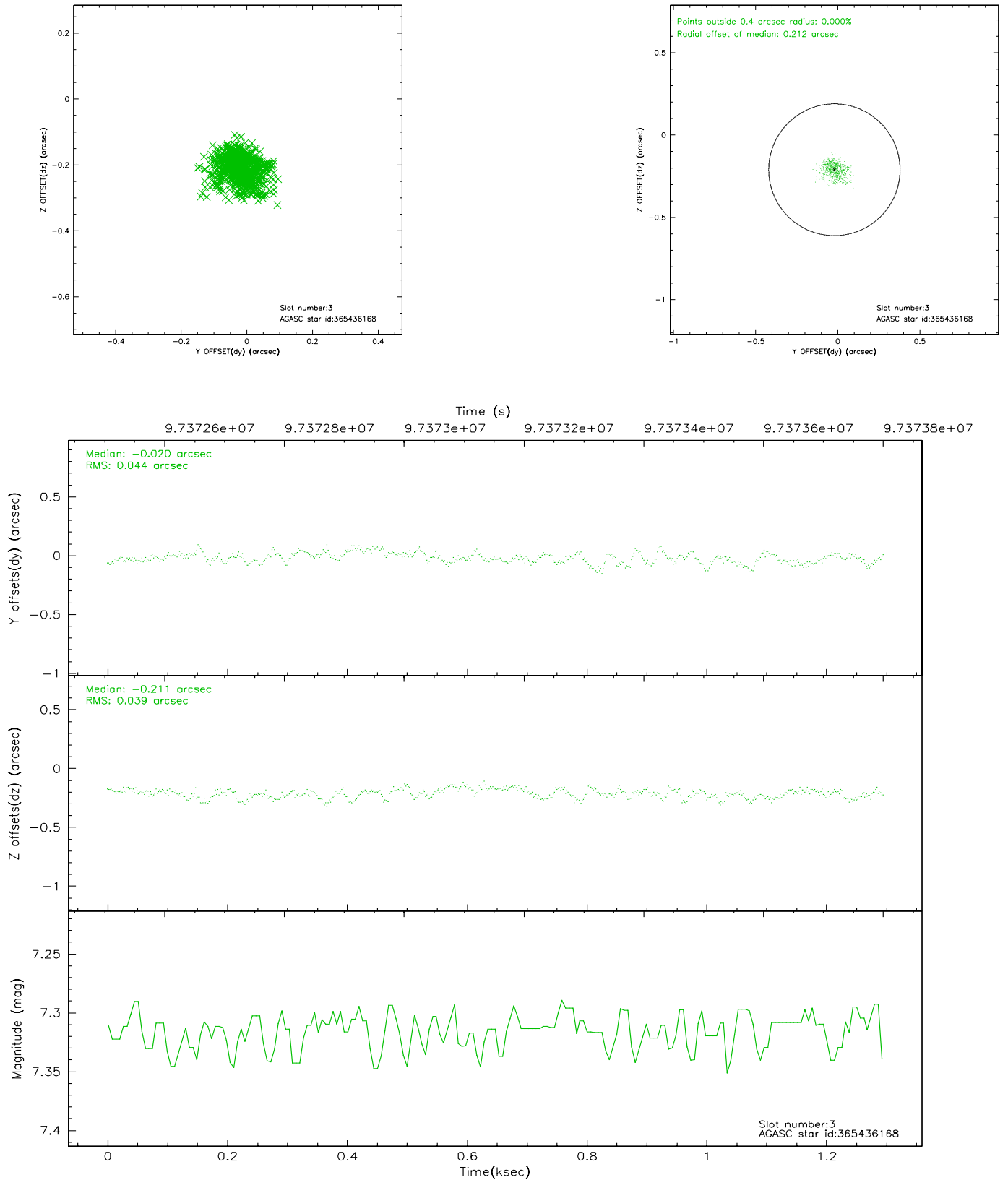


Slot Statistics

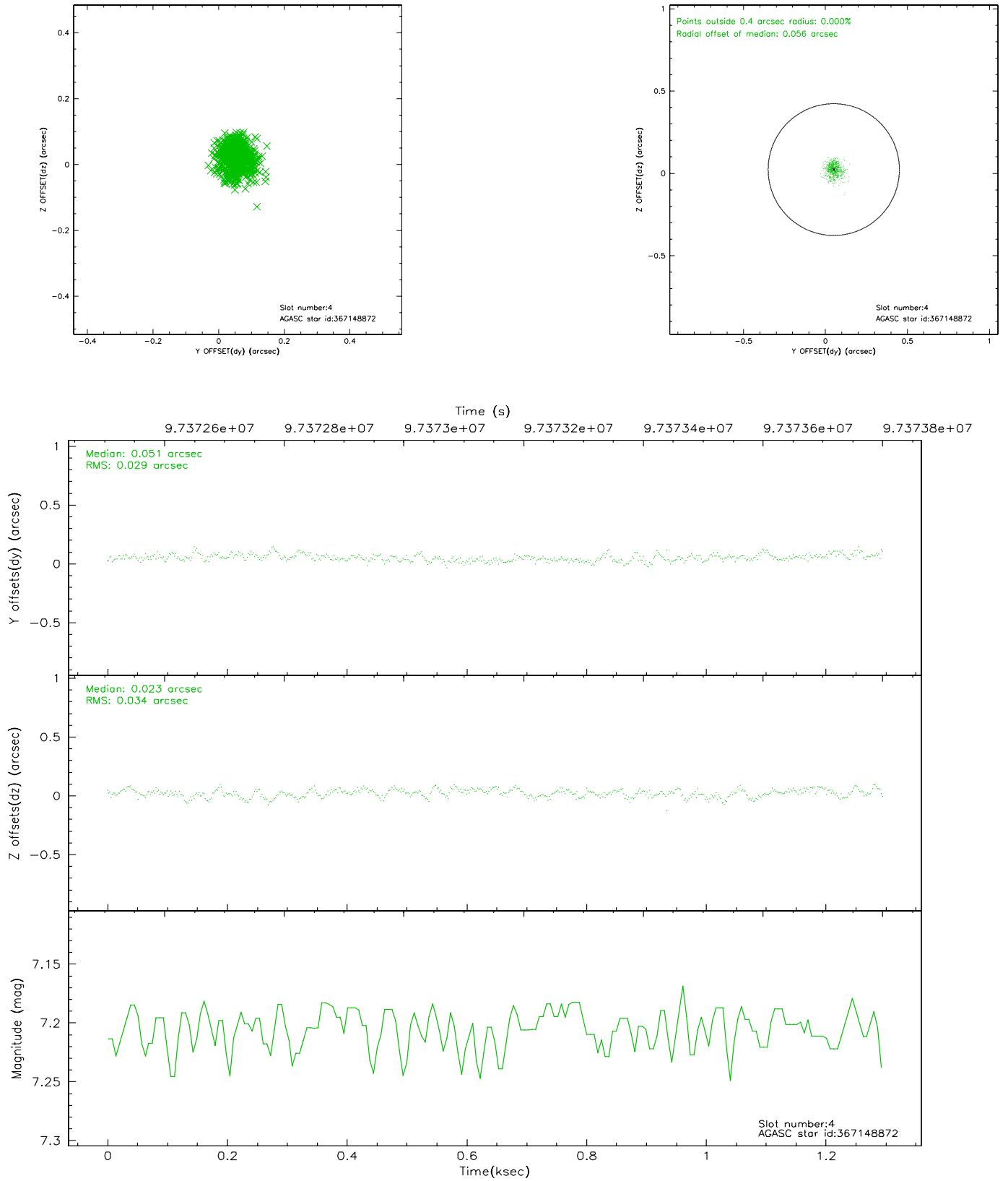
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	316	0.016	0.010	0.007	0.012	0.000000	0.000000	-758.23	-1293.81
1	FID	HRC-I-2	6.99	316	0.046	-0.019	0.006	0.009	0.000000	0.000000	852.03	-1299.48
2	FID	HRC-I-3	7.04	316	0.057	-0.080	0.005	0.010	0.000000	0.000000	-1184.02	1006.54
3	GUIDE	365436168	7.31	633	-0.020	-0.211	0.062	0.099	9.360006	40.332380	-182.60	-2325.13
4	GUIDE	367148872	7.20	633	0.051	0.023	0.048	0.077	10.505940	40.688258	645.13	956.68
5	GUIDE	367139768	7.97	633	0.007	0.030	0.061	0.101	11.069715	40.685175	1555.79	2203.61
6	GUIDE	367139648	8.20	633	0.060	0.115	0.049	0.073	11.021290	40.433909	2215.27	1570.99
7	GUIDE	365431072	9.00	631	-0.094	0.037	0.069	0.114	9.376278	41.092224	-2344.92	-650.81

2.4 Star Slots

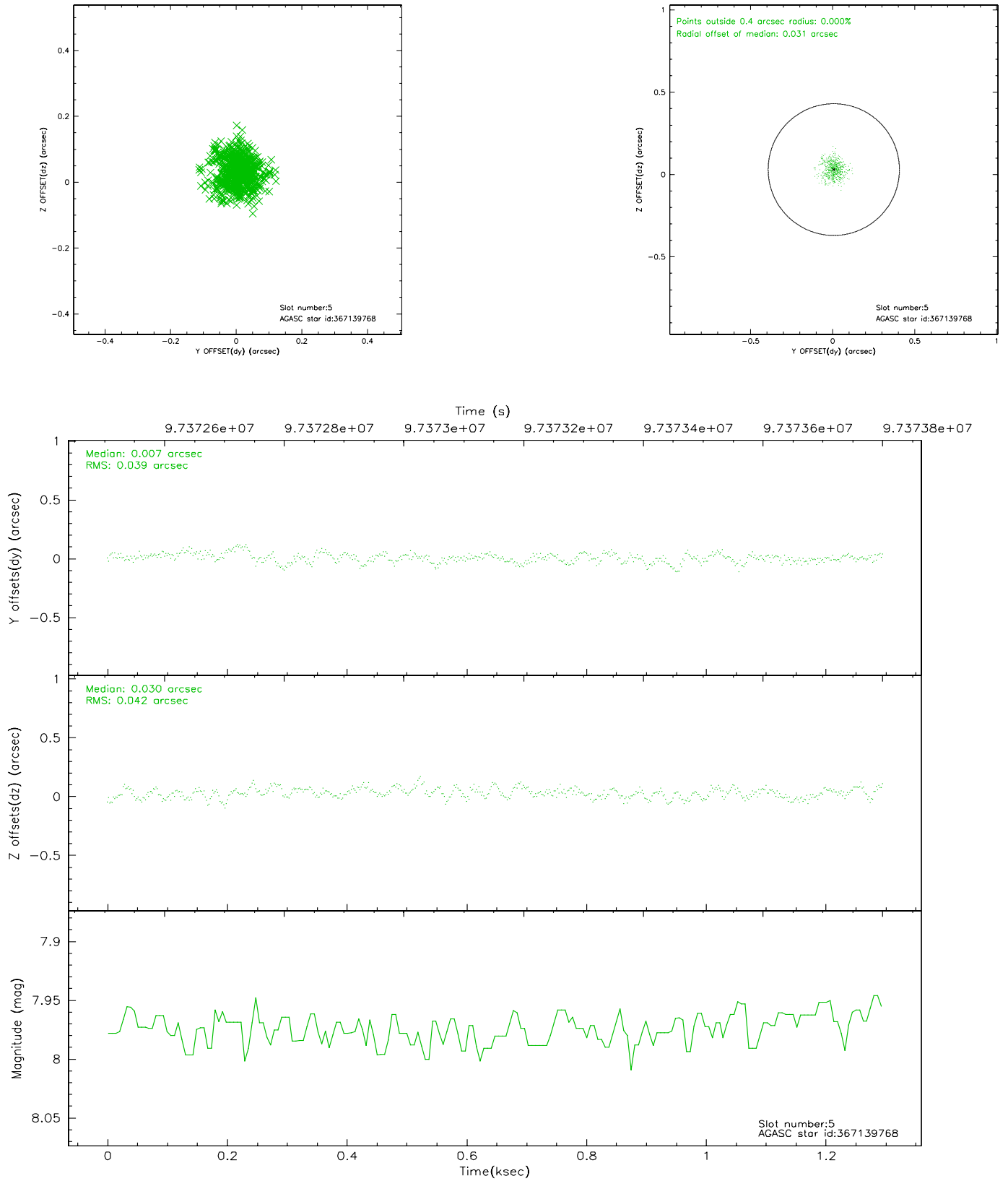
2.4.1 Slot 3



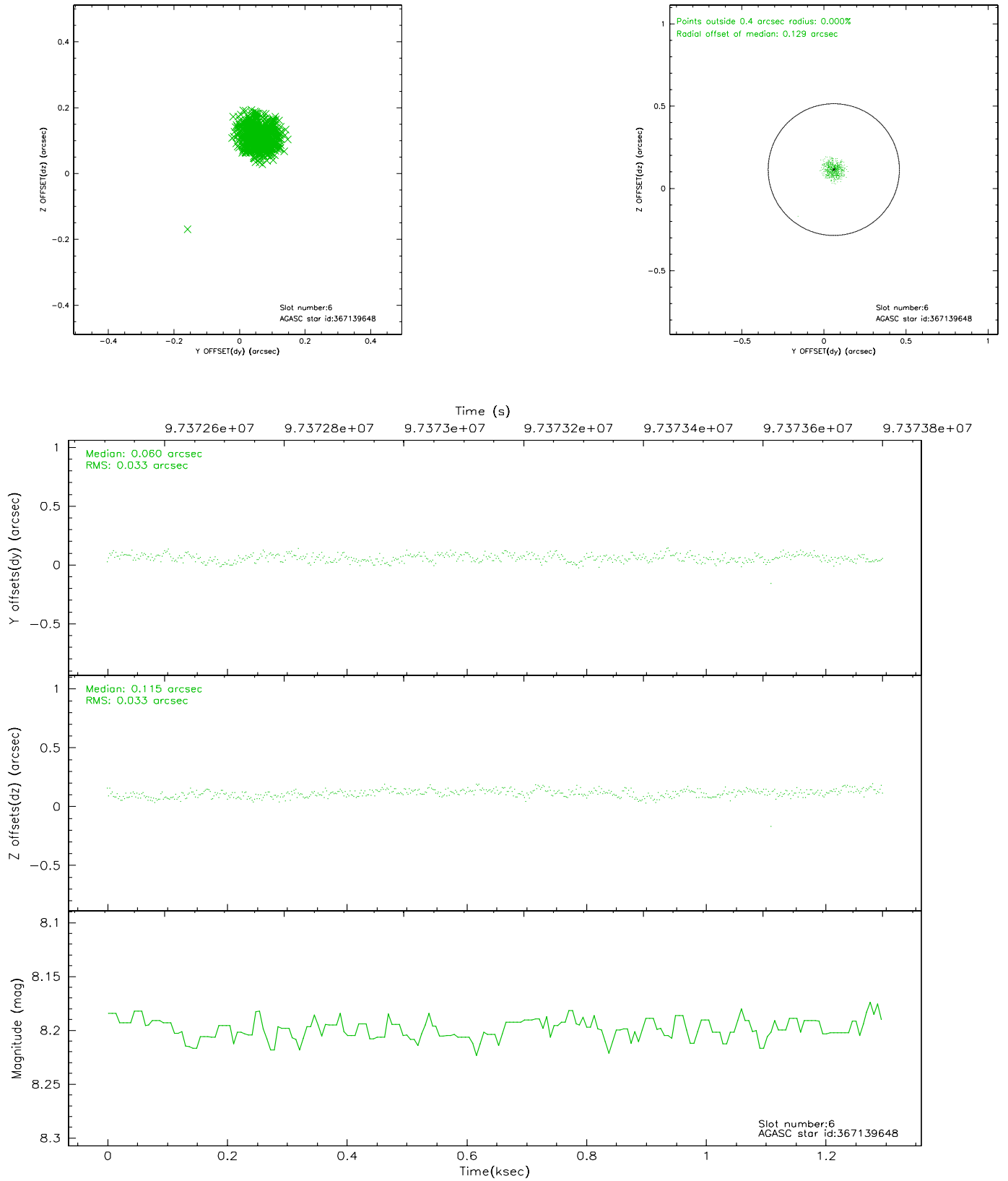
2.4.2 Slot 4



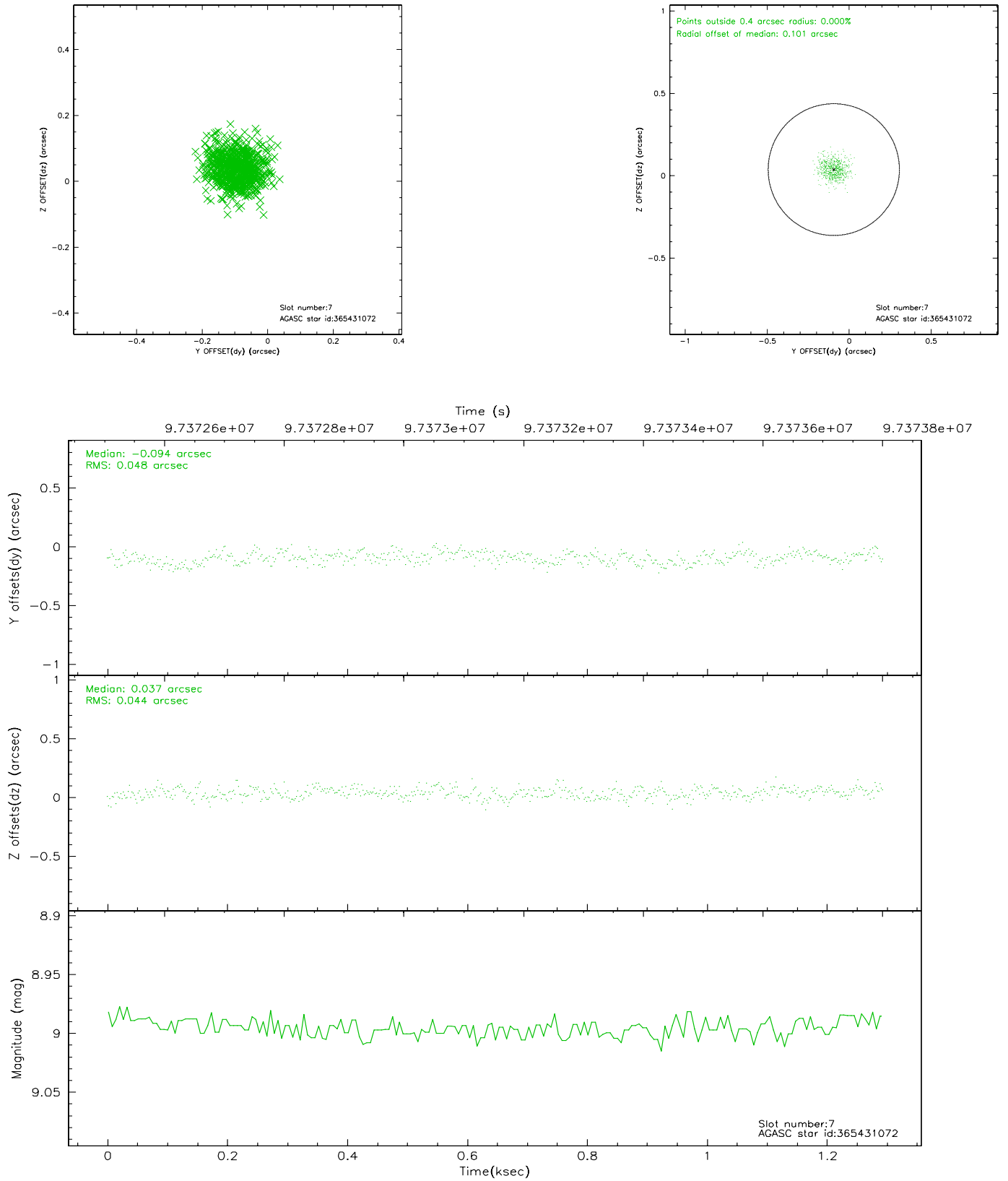
2.4.3 Slot 5



2.4.4 Slot 6

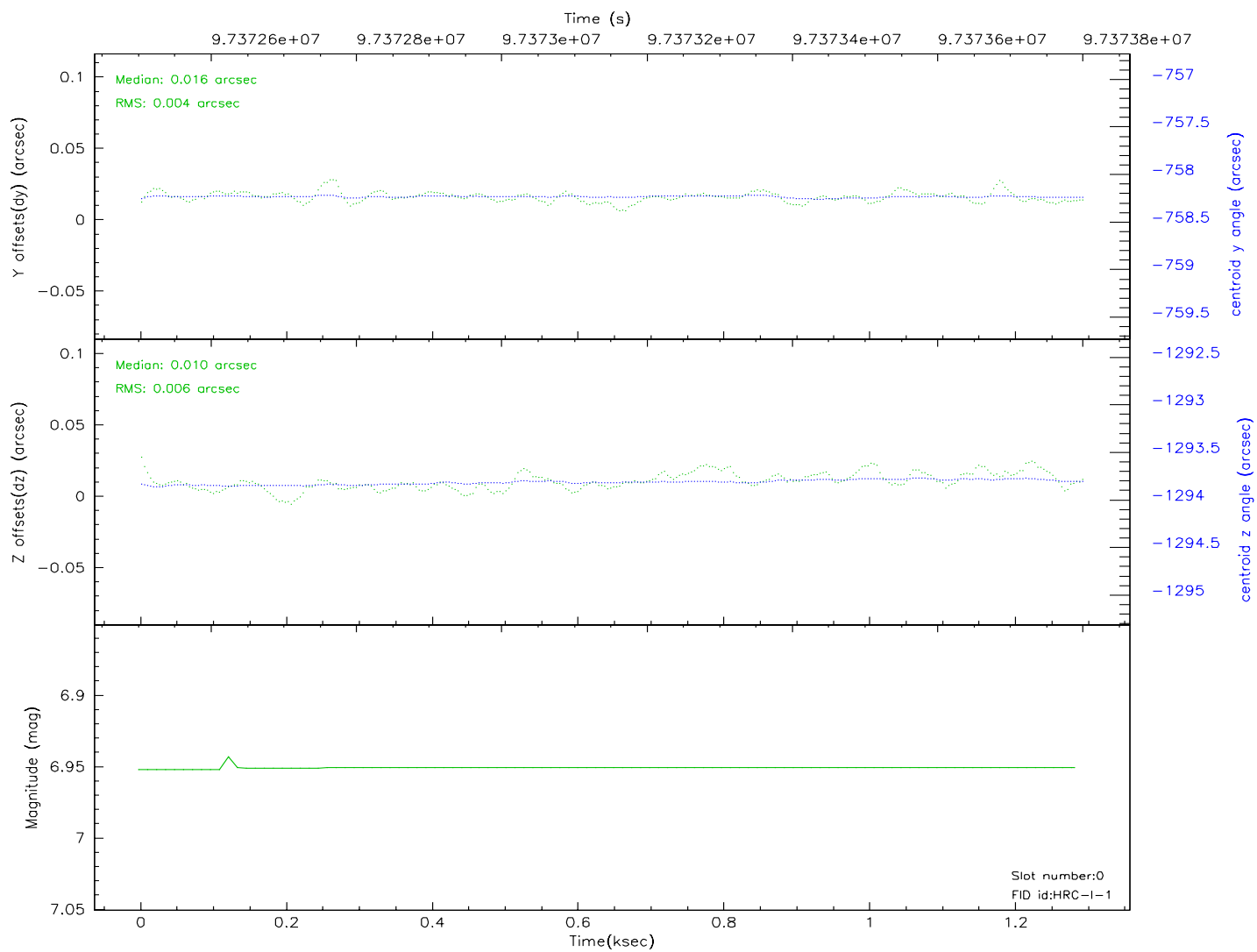
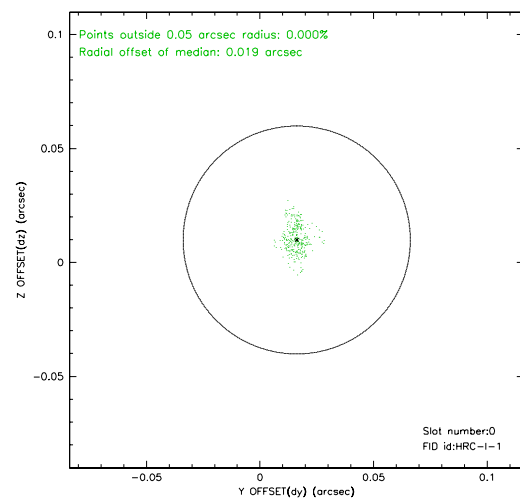
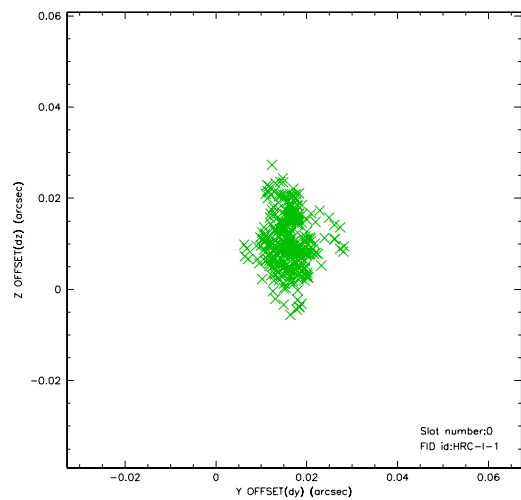


2.4.5 Slot 7

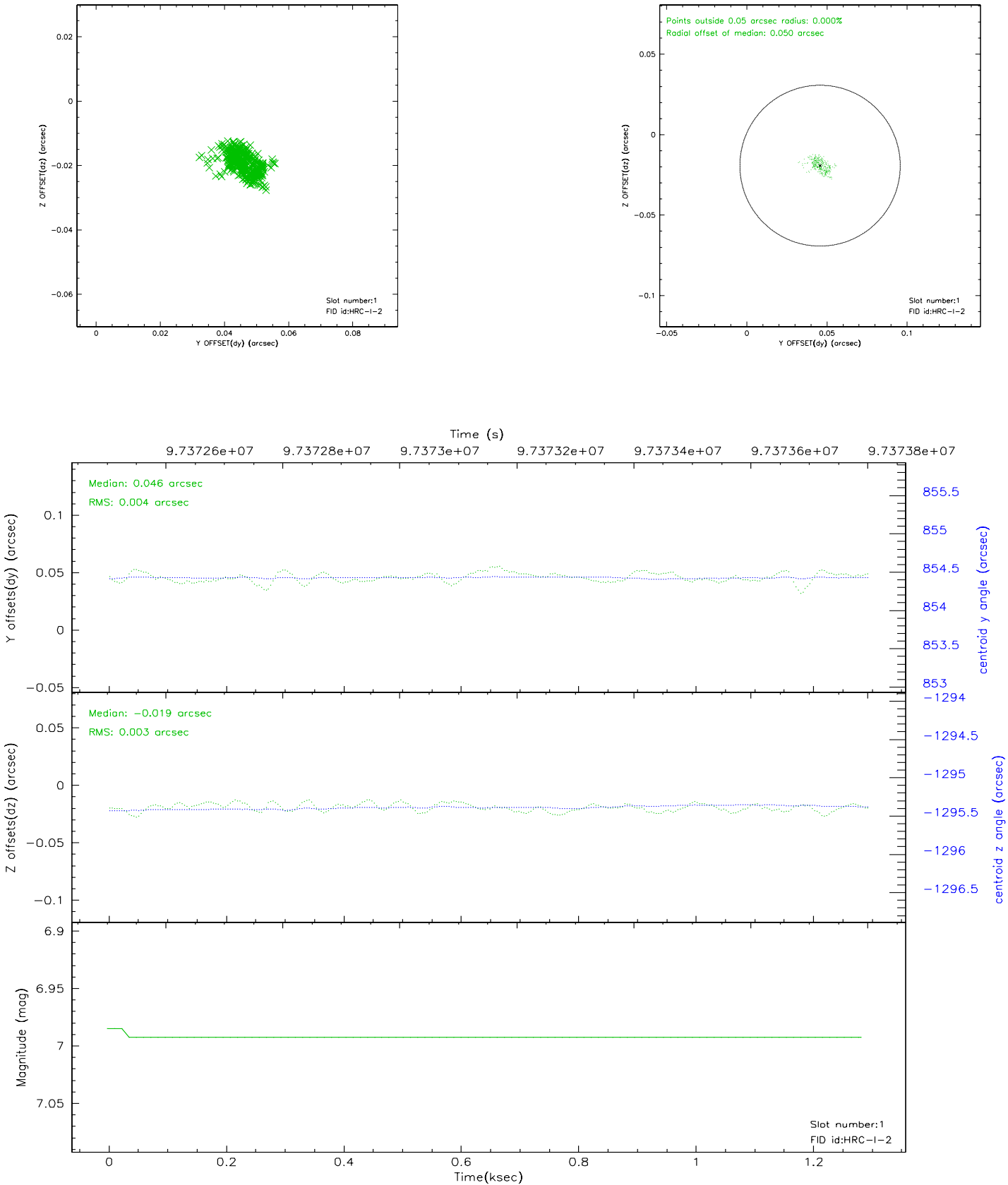


2.5 FID Slots

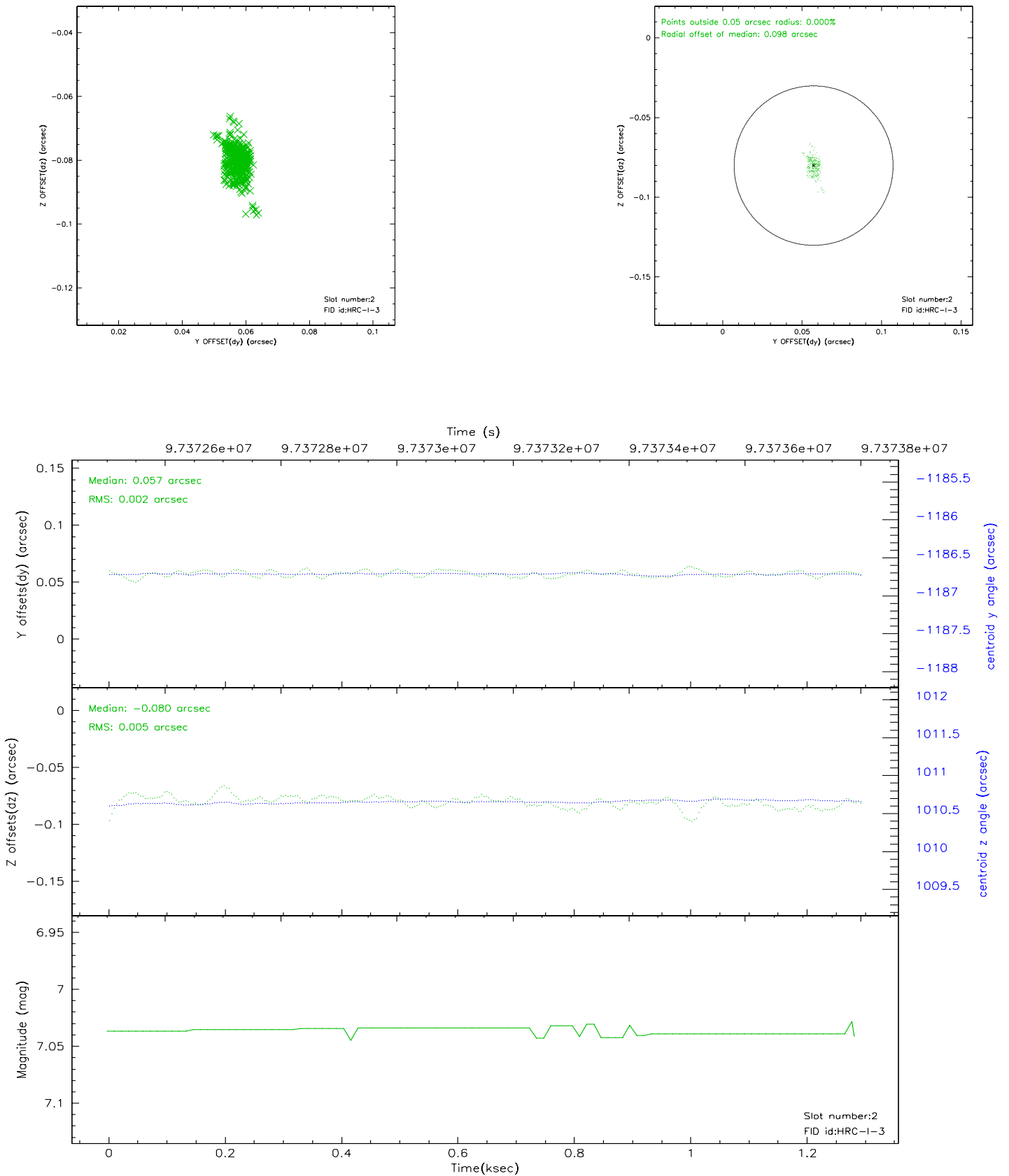
2.5.1 Slot 0



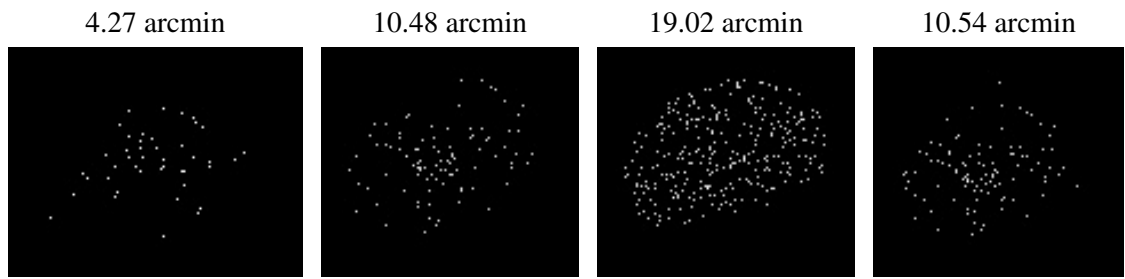
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.971

A.2 Comments

Window constraint not met: window was from Feb 1 2001 12:00AM to Feb 14 2001 12:00AM, the observation started at 2001-01-31T23:48:14.

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.