

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 248 - L2 Version 5
Chandra X-Ray Center

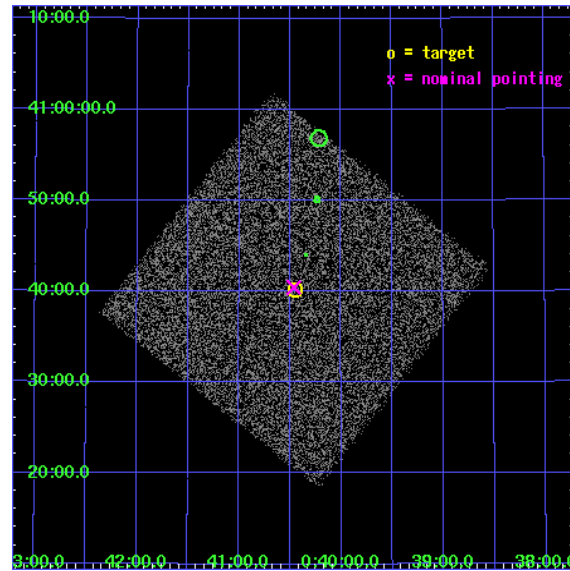
L2 Processing Date : Nov 19 2007

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1 Front

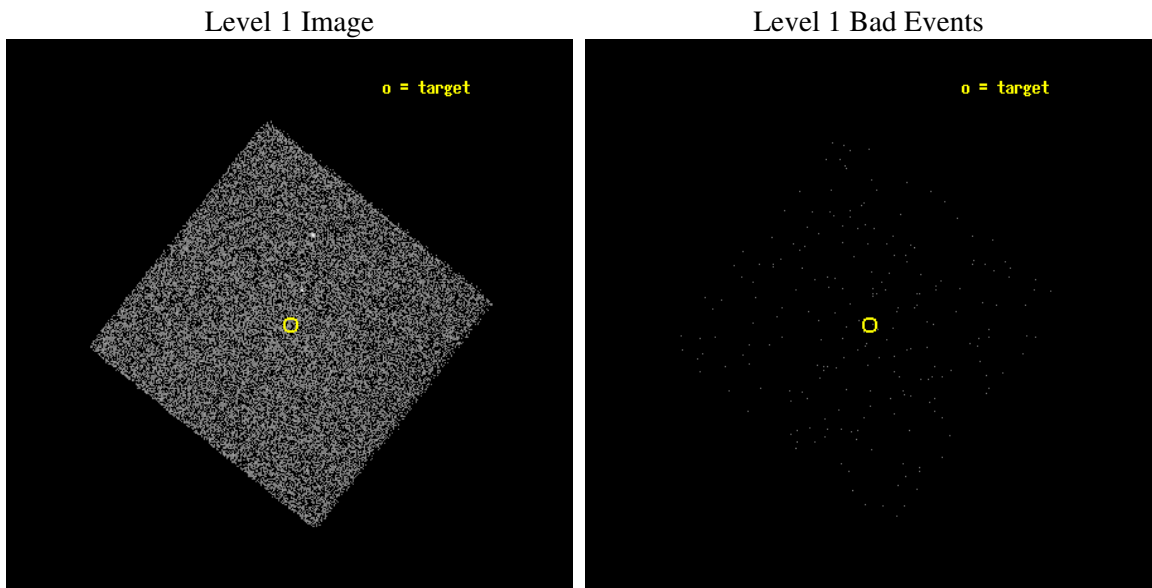
seq_num	600008
obs_id	248
title	MONITORING M31
observer	Dr. Stephen Murray
object	M31 - South 2
ra_targ	10.1125
dec_targ	40.67
ra_nom	10.115681481999
dec_nom	40.674210974019
roll_nom	83.442298716711
revision	5
ontime	1161.5812927037
livetime	1156.2038577398
l2events	26241



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	2007-11-20T00:16:07
revision	5

sched_exp_time	1000.000000
ontime	1161.5812927037
l1events	70422

2.1.3 Events

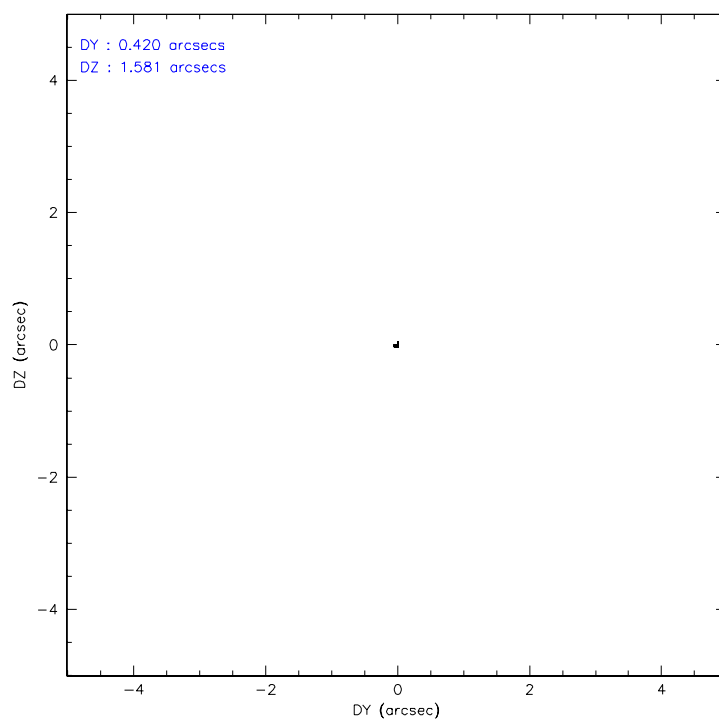
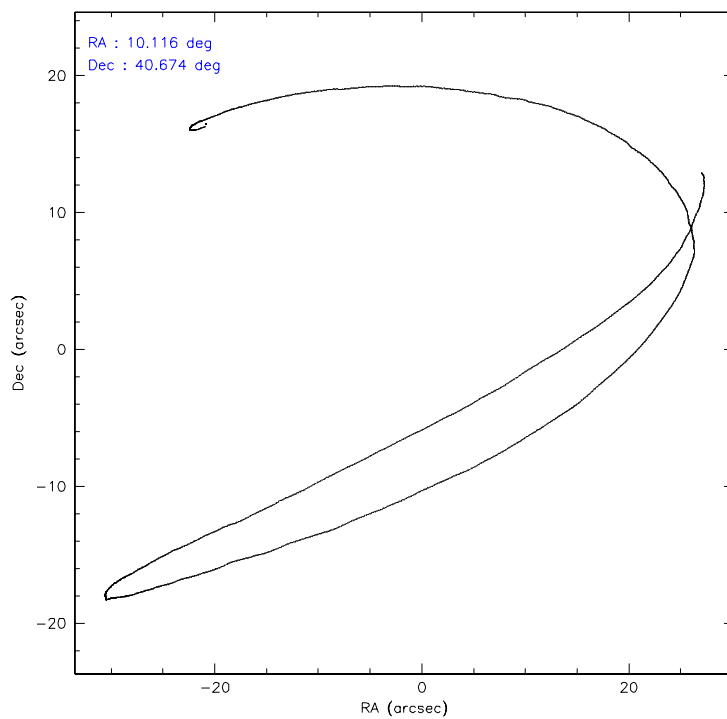
Level 1 Events

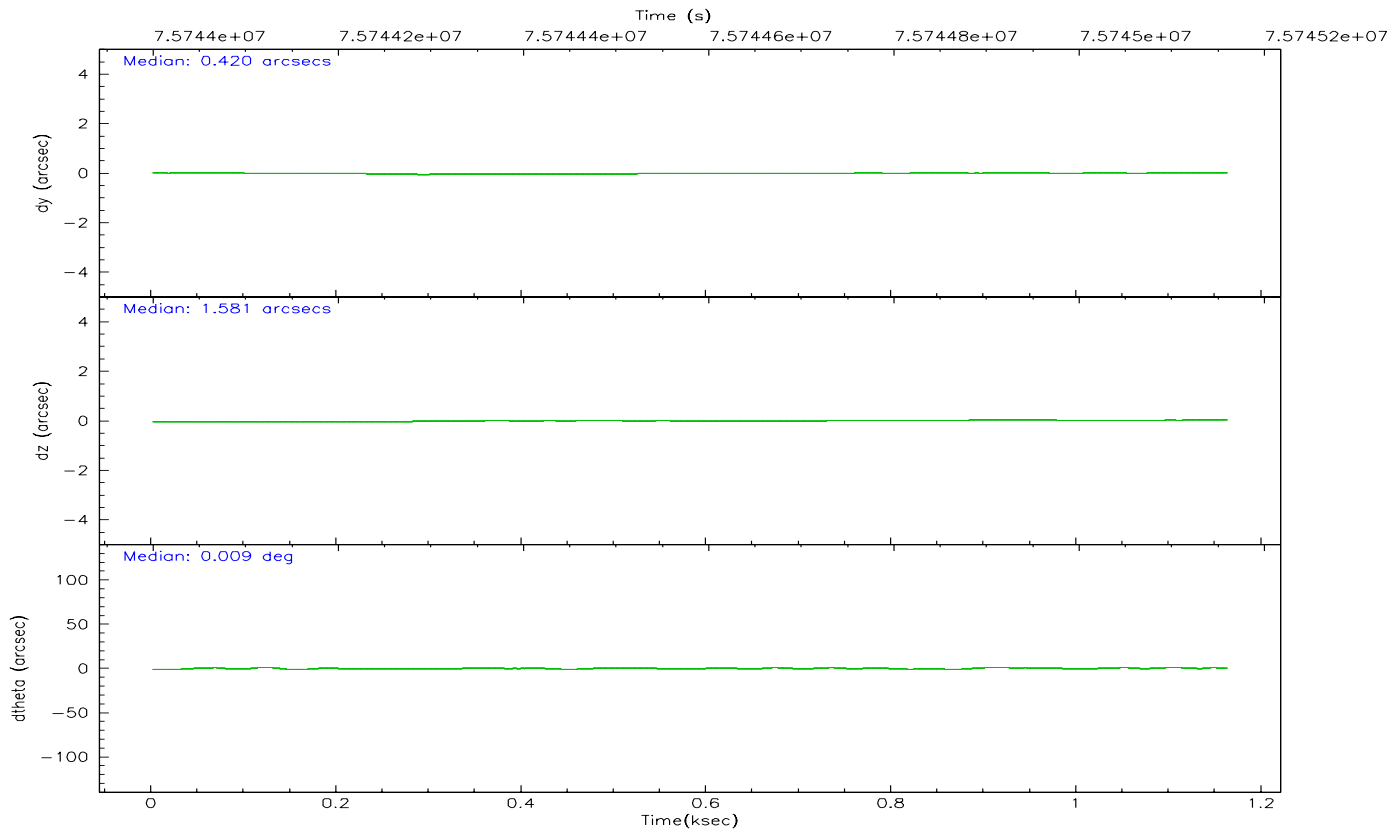
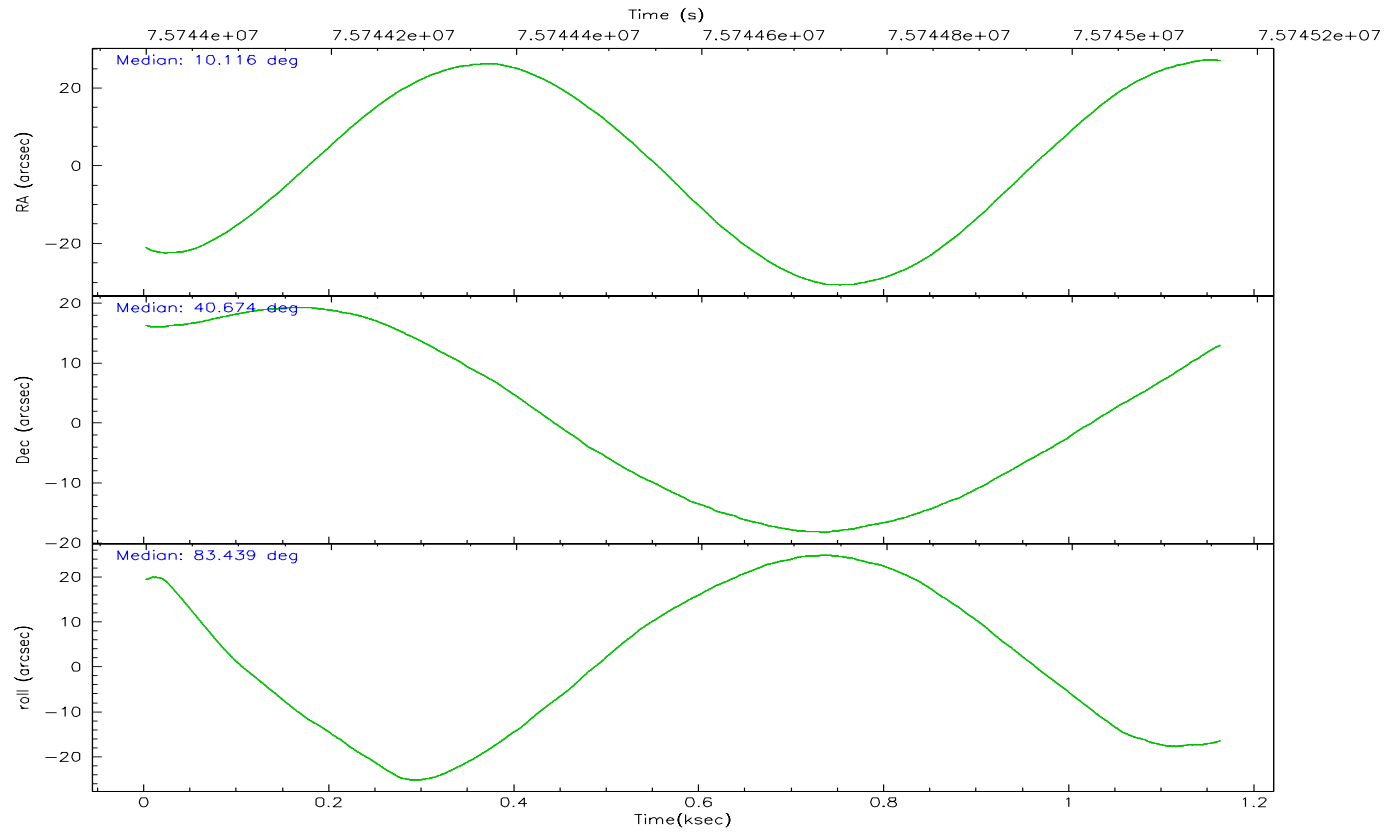
	segment 0
level 1 events	70422
rejected events	30591
rejected %	43%

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	10.130149	10.11568148199919			
Pointing Dec	40.649024	40.6742109740193			
Pointing Roll	83.528287	83.44229871671092			
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	75744164.184000	75743236.514773			
Observation start date	2000-05-26T16:01:40	2000-05-26T15:47:16			
Observation end time	75745164.184000	75745298.81484801			
Observation end date	2000-05-26T16:18:20	2000-05-26T16:21:38			

2.3 Aspect



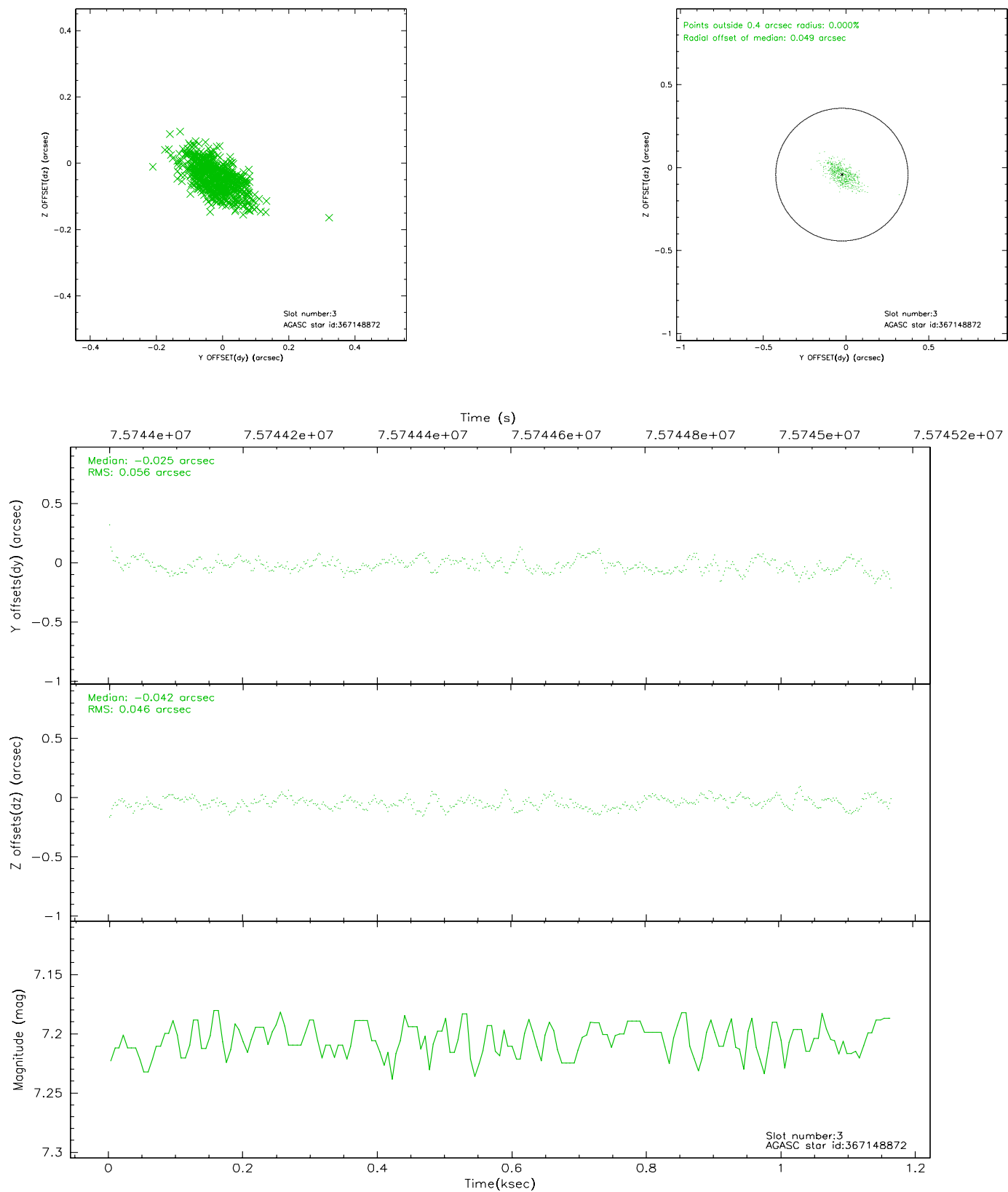


Slot Statistics

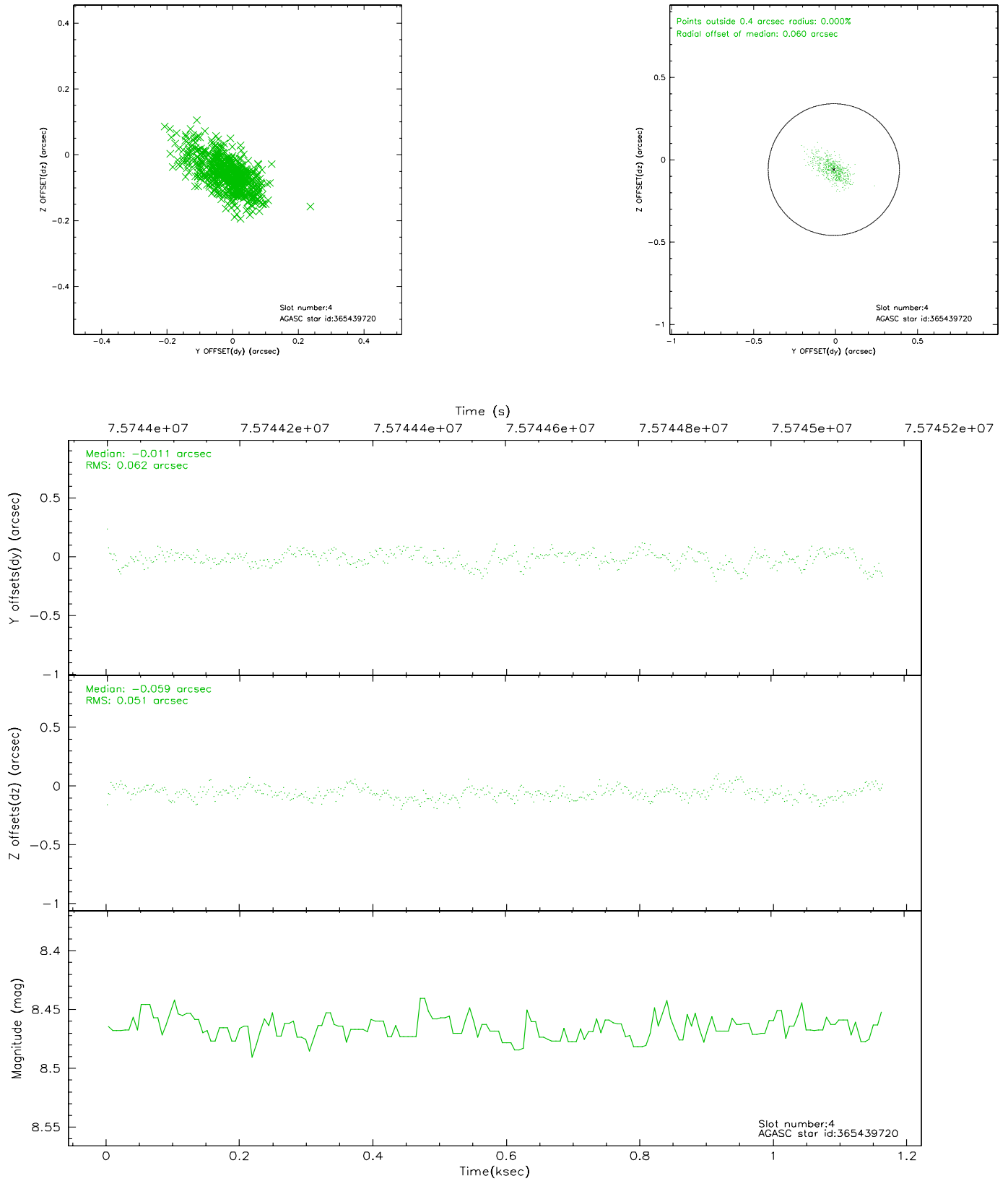
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	284	0.038	-0.032	0.005	0.009	0.000000	0.000000	-755.79	-1289.30
1	FID	HRC-I-3	7.06	284	0.030	-0.026	0.006	0.011	0.000000	0.000000	-1186.93	1010.74
2	FID	HRC-I-4	6.99	284	0.046	-0.031	0.004	0.008	0.000000	0.000000	1282.85	1016.42
3	GUIDE	367148872	7.20	568	-0.025	-0.042	0.073	0.124	10.505940	40.688258	257.07	-1002.28
4	GUIDE	365439720	8.47	567	-0.011	-0.059	0.083	0.146	9.704623	40.431022	-909.14	1069.44
5	GUIDE	367144424	8.65	568	0.018	0.063	0.071	0.123	10.464515	40.309136	-1113.22	-1047.06
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	367145856	9.29	567	0.021	0.058	0.096	0.154	10.744946	40.402085	-690.42	-1775.23

2.4 Star Slots

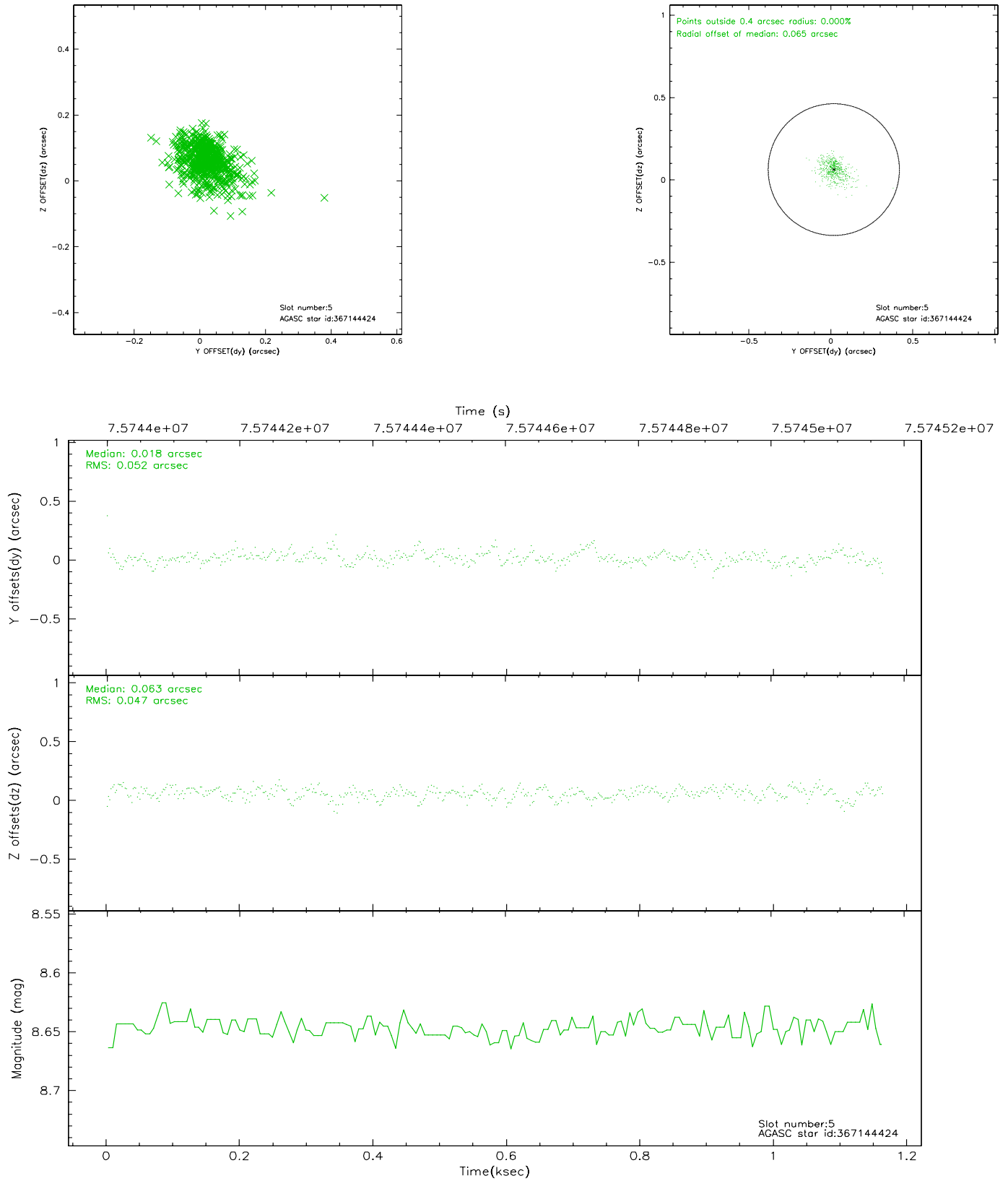
2.4.1 Slot 3



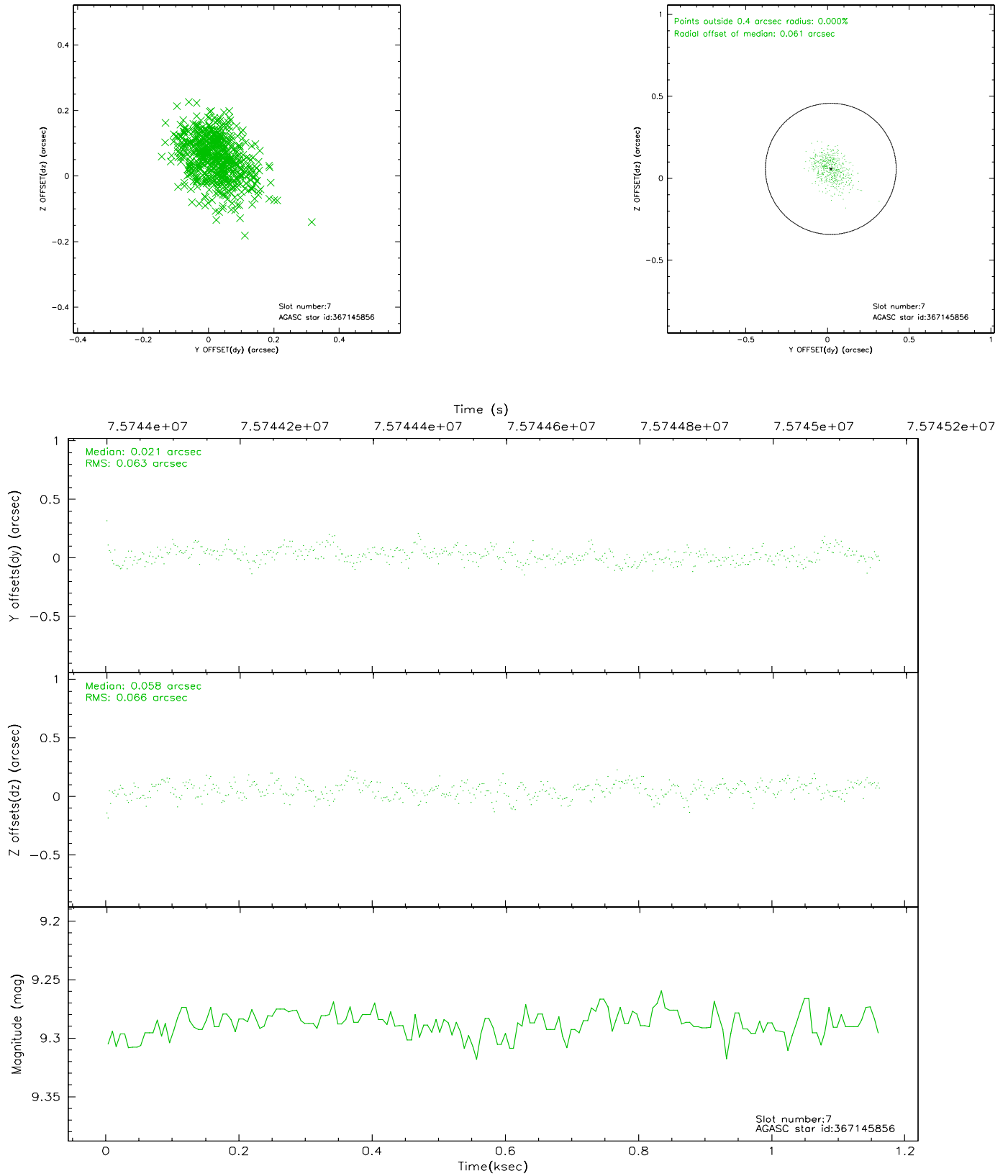
2.4.2 Slot 4



2.4.3 Slot 5

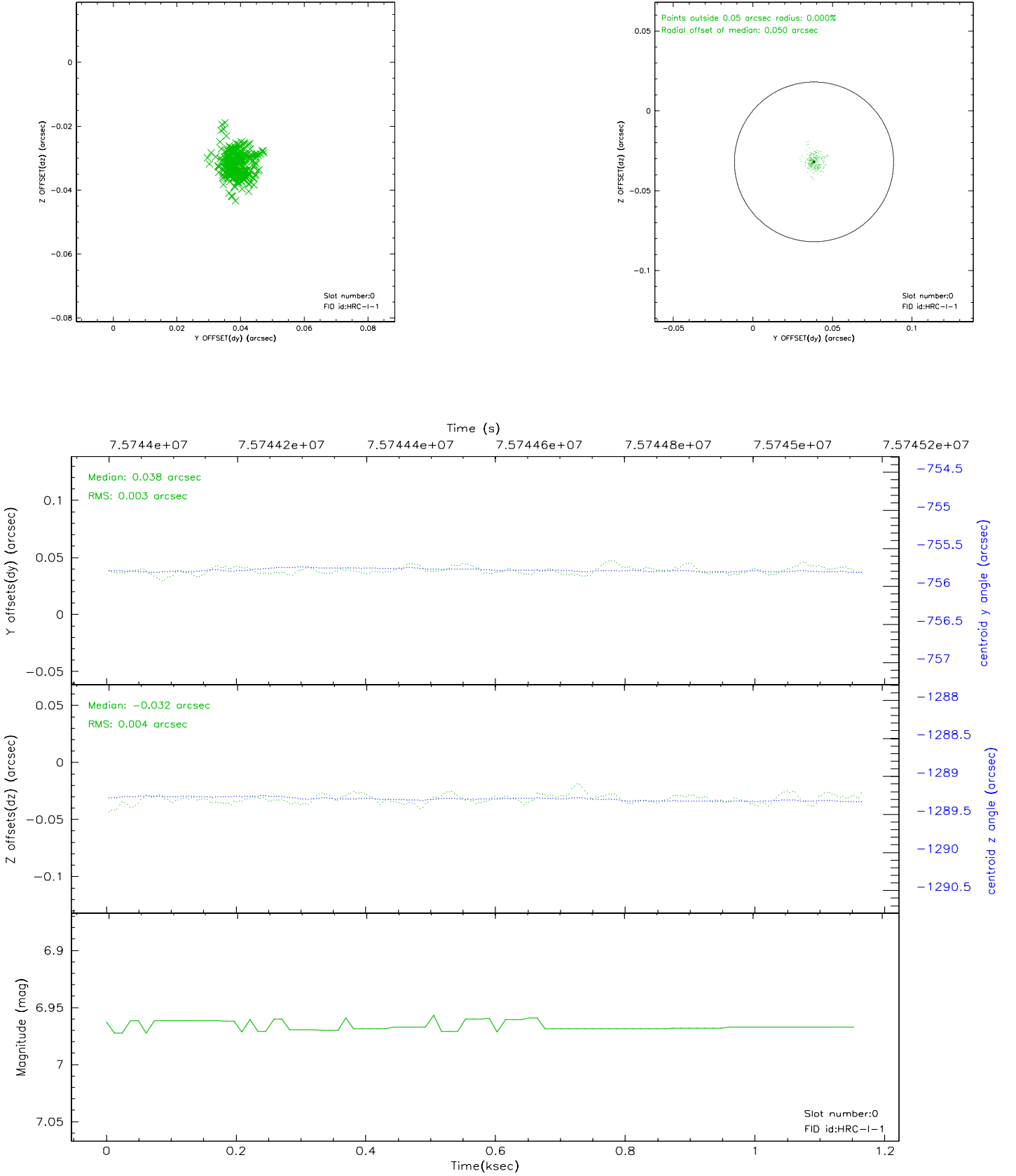


2.4.4 Slot 7

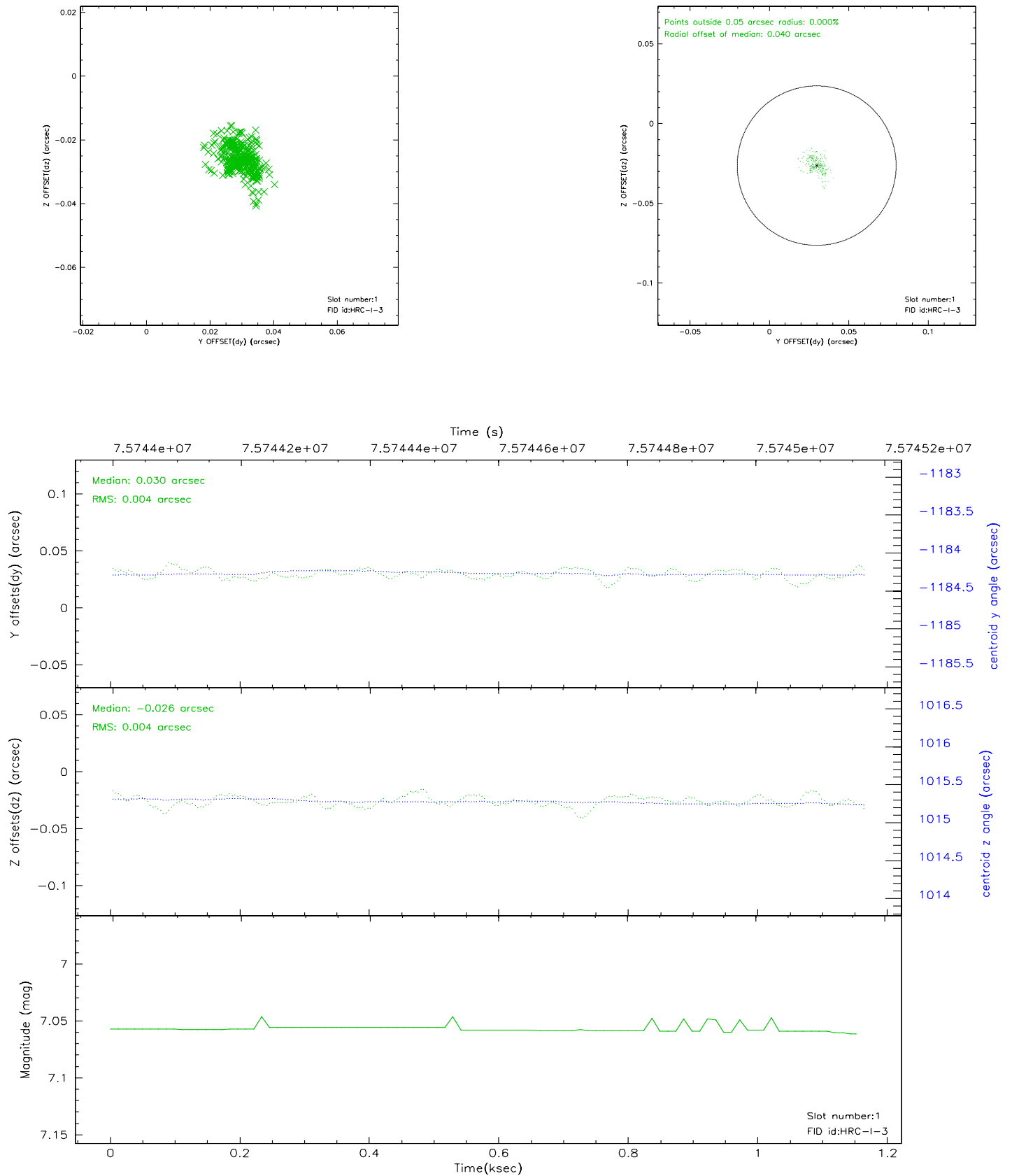


2.5 FID Slots

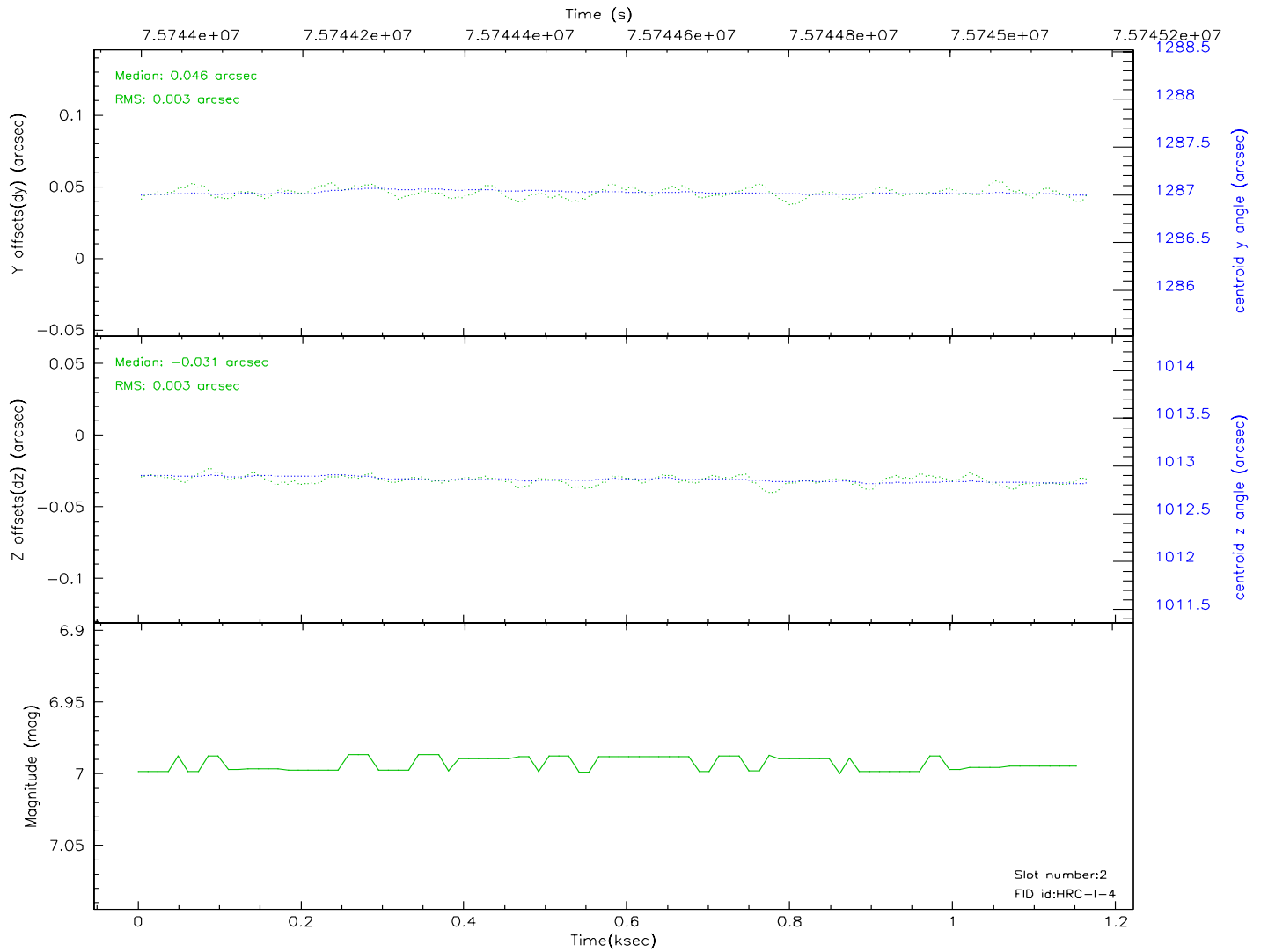
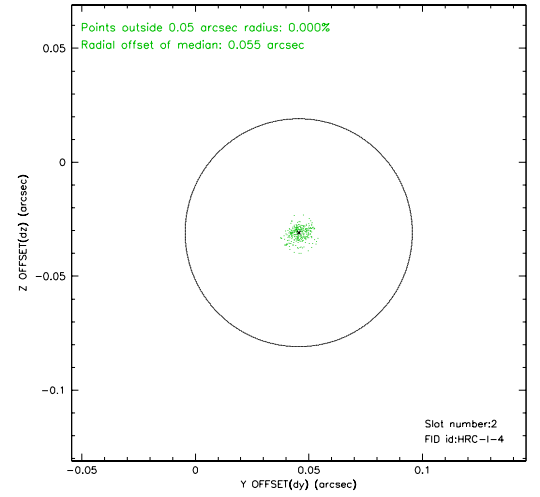
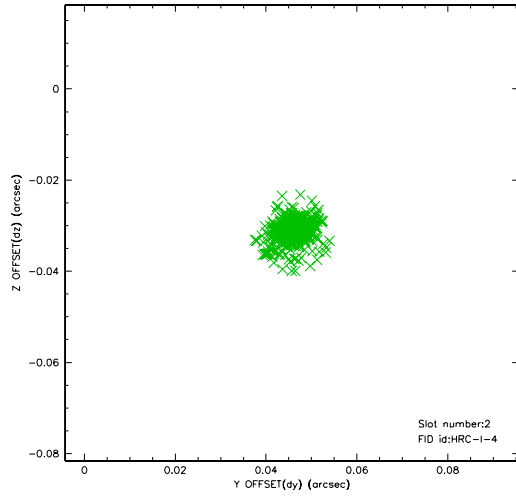
2.5.1 Slot 0



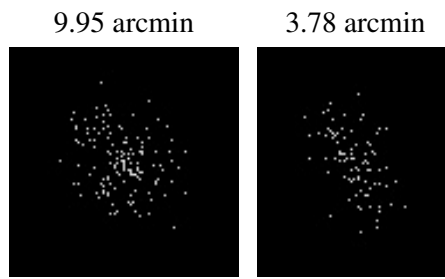
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	1.161

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.

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The guide star in slot 6 was manually excluded from the processing due to poor data quality.