

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1008 - L2 Version 4
Chandra X-Ray Center

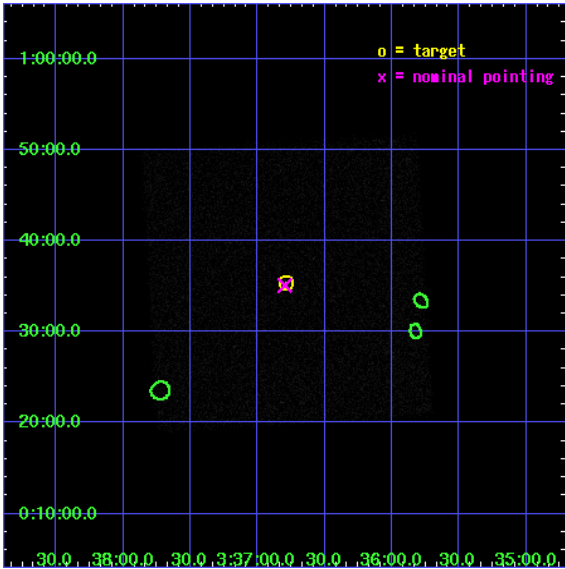
L2 Processing Date : Nov 21 2007

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1 Front

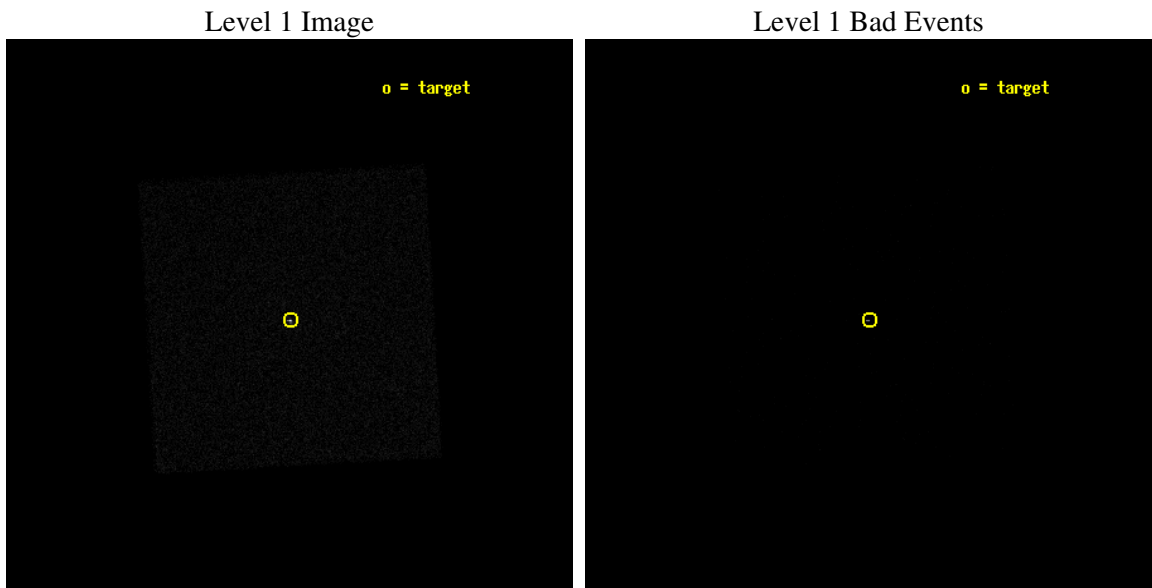
seq_num	390000
obs_id	1008
title	HRC-I FOCUS CHECK
observer	Dr. CXC Calibration
object	HR1099
ra_targ	54.197083
dec_targ	0.589972
ra_nom	54.19924759343
dec_nom	0.58491933683511
roll_nom	311.70263305284
revision	4
ontime	1499.8313073367
livetime	1492.8723689538
l2events	36908



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	2007-11-21T06:57:15
revision	4

sched_exp_time	1350.000000
ontime	1499.8313073367
l1events	82237

2.1.3 Events

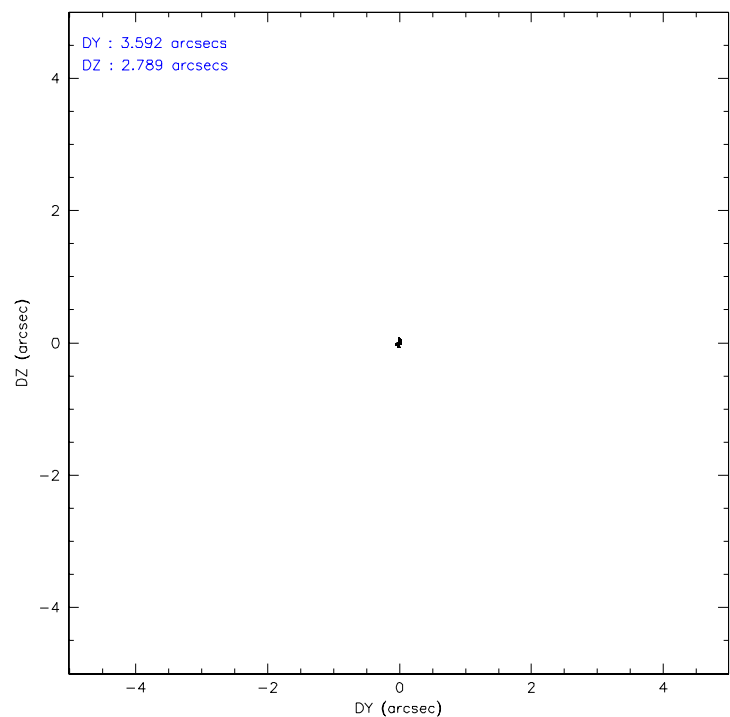
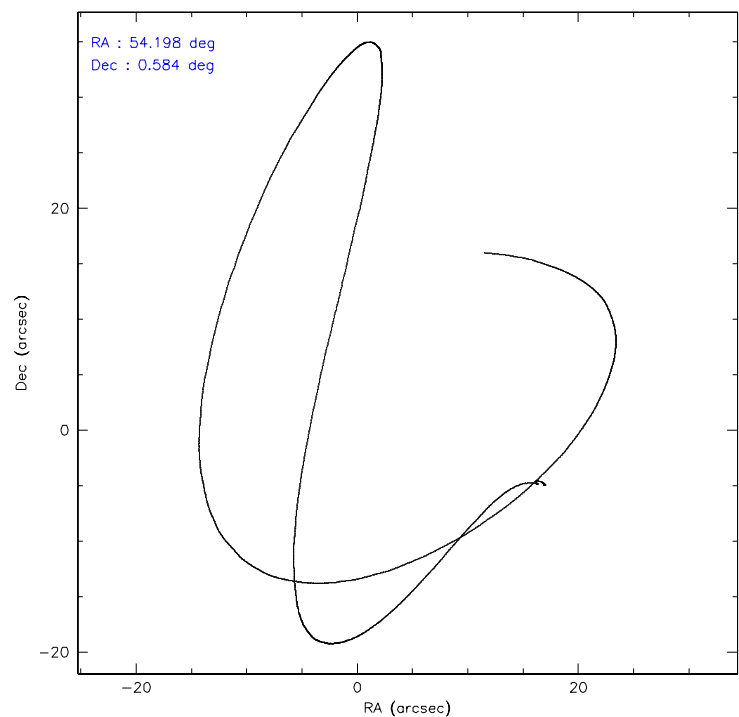
Level 1 Events

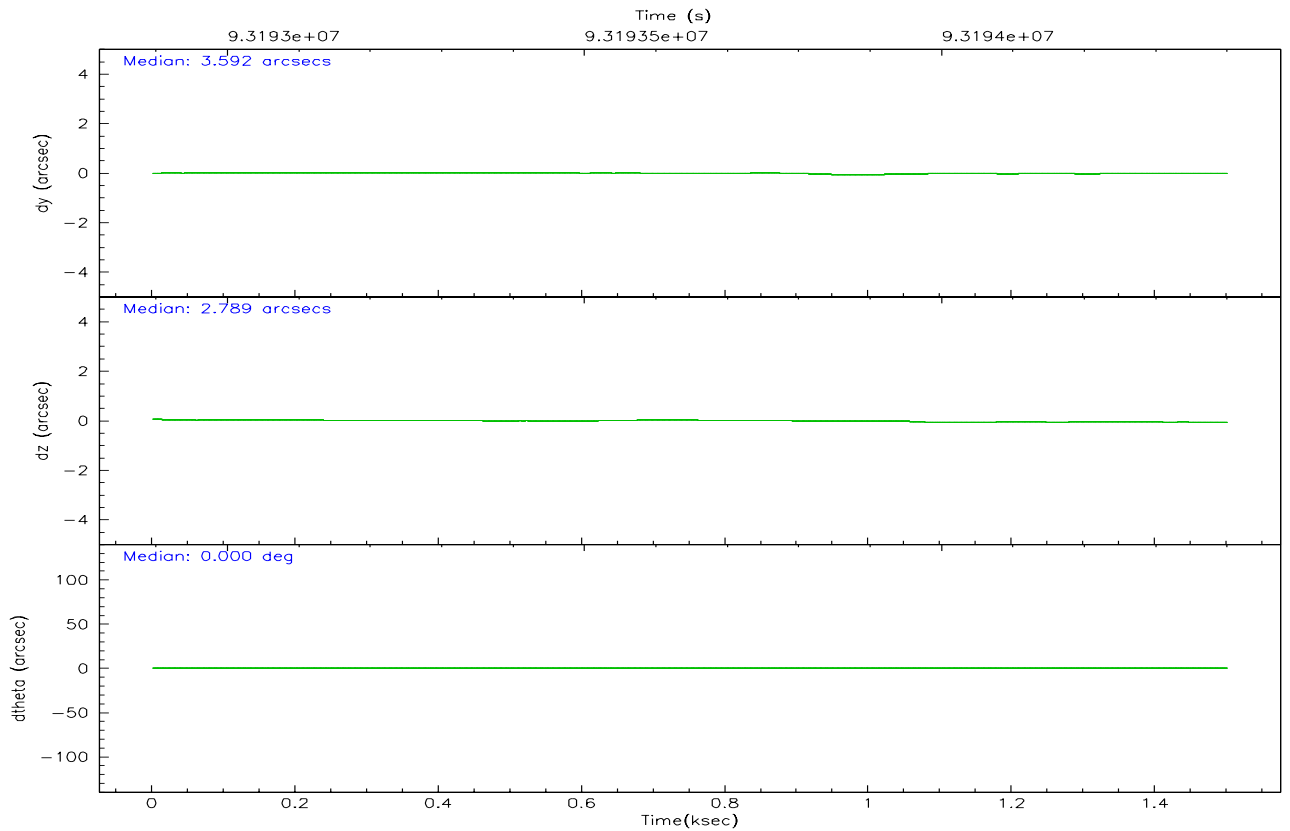
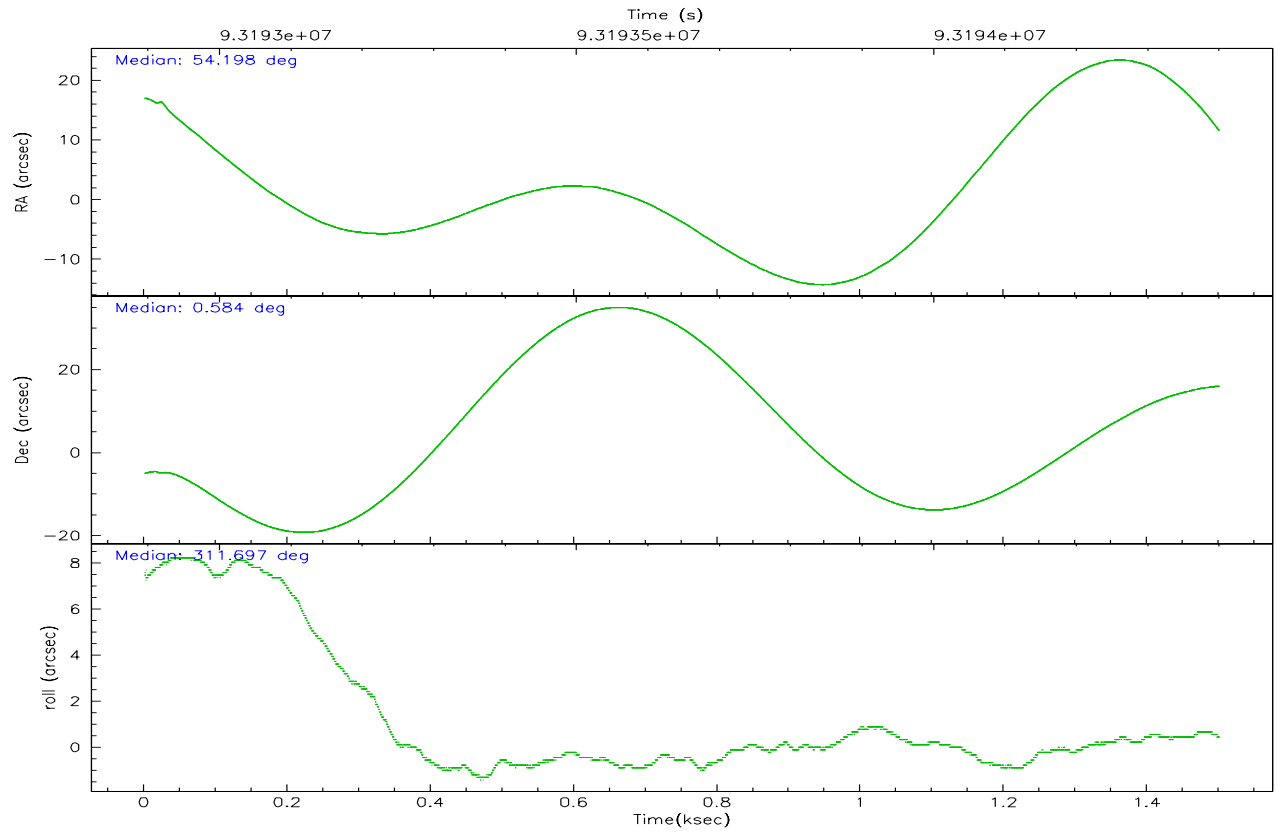
	segment 0
level 1 events	82237
rejected events	28274
rejected %	34%

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	54.172509	54.19924759343039			
Pointing Dec	0.593944	0.5849193368351064			
Pointing Roll	311.798356	311.7026330528359			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9804656746847			
SIM translation stage offset (mm)	0	0.005023216916882234			
Observation start time	93193048.184000	93192265.21878999			
Observation start date	2000-12-14T14:56:24	2000-12-14T14:44:25			
Observation end time	93194398.184000	93194531.493876			
Observation end date	2000-12-14T15:18:54	2000-12-14T15:22:11			

2.3 Aspect



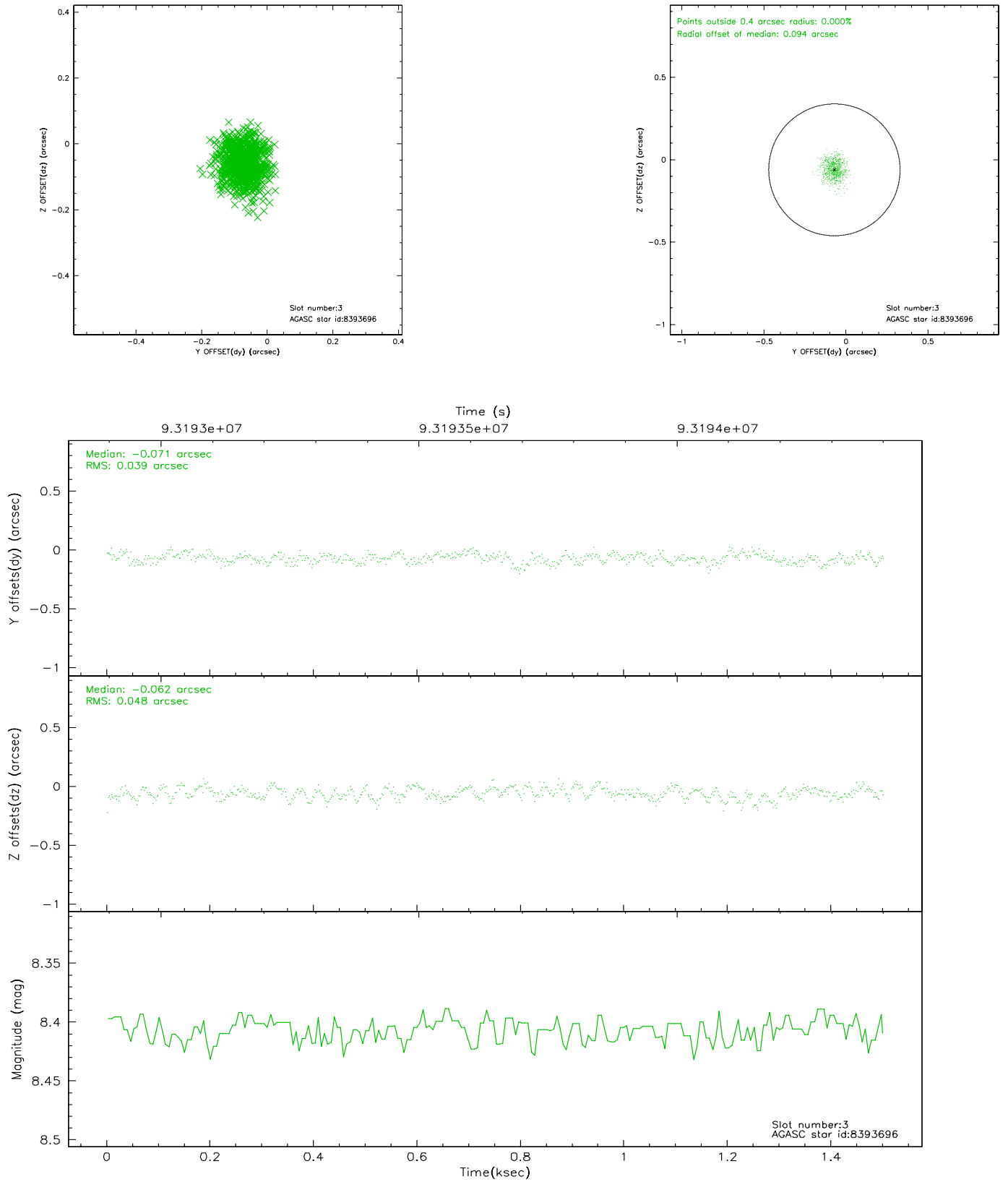


Slot Statistics

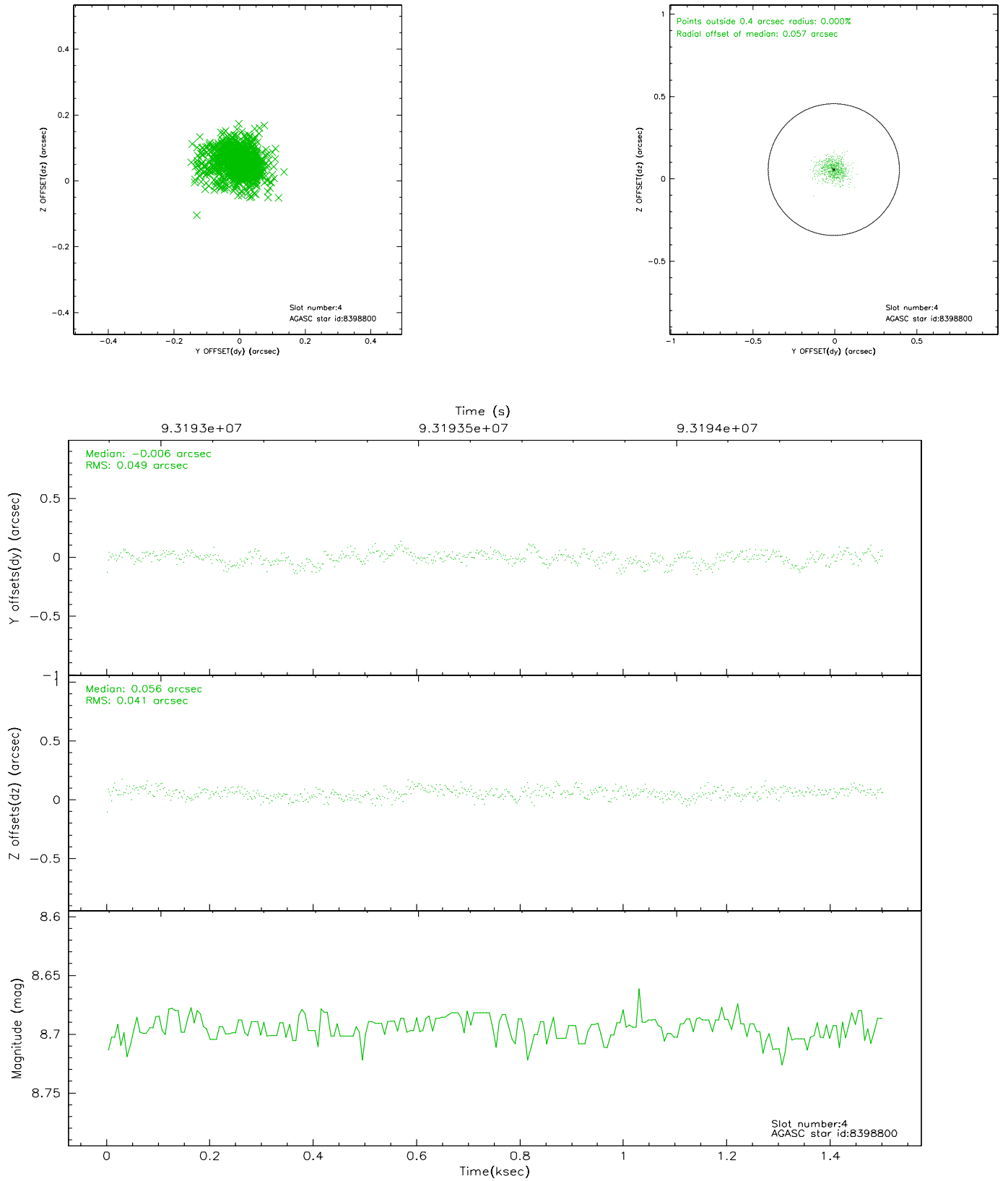
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	366	0.037	-0.032	0.000	0.000	0.000000	0.000000	-758.84	-1290.61
1	BAD	HRC-I-3	7.03	6	0.365	-0.032	0.017	0.027	0.000000	0.000000	-1313.82	798.73
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	8393696	8.41	733	-0.071	-0.062	0.067	0.104	53.645666	0.680479	-1499.52	-1206.05
4	GUIDE	8398800	8.70	733	-0.006	0.056	0.067	0.114	54.242352	0.922024	-718.32	973.29
5	GUIDE	8395104	8.67	733	-0.034	0.044	0.082	0.127	54.744893	0.796520	825.15	2023.97
6	GUIDE	8390744	9.02	733	-0.040	0.064	0.067	0.116	53.677290	0.926294	-2082.21	-528.45
7	GUIDE	618141232	8.99	732	0.159	-0.110	0.093	0.158	54.173459	-0.292336	2375.24	-2124.38

2.4 Star Slots

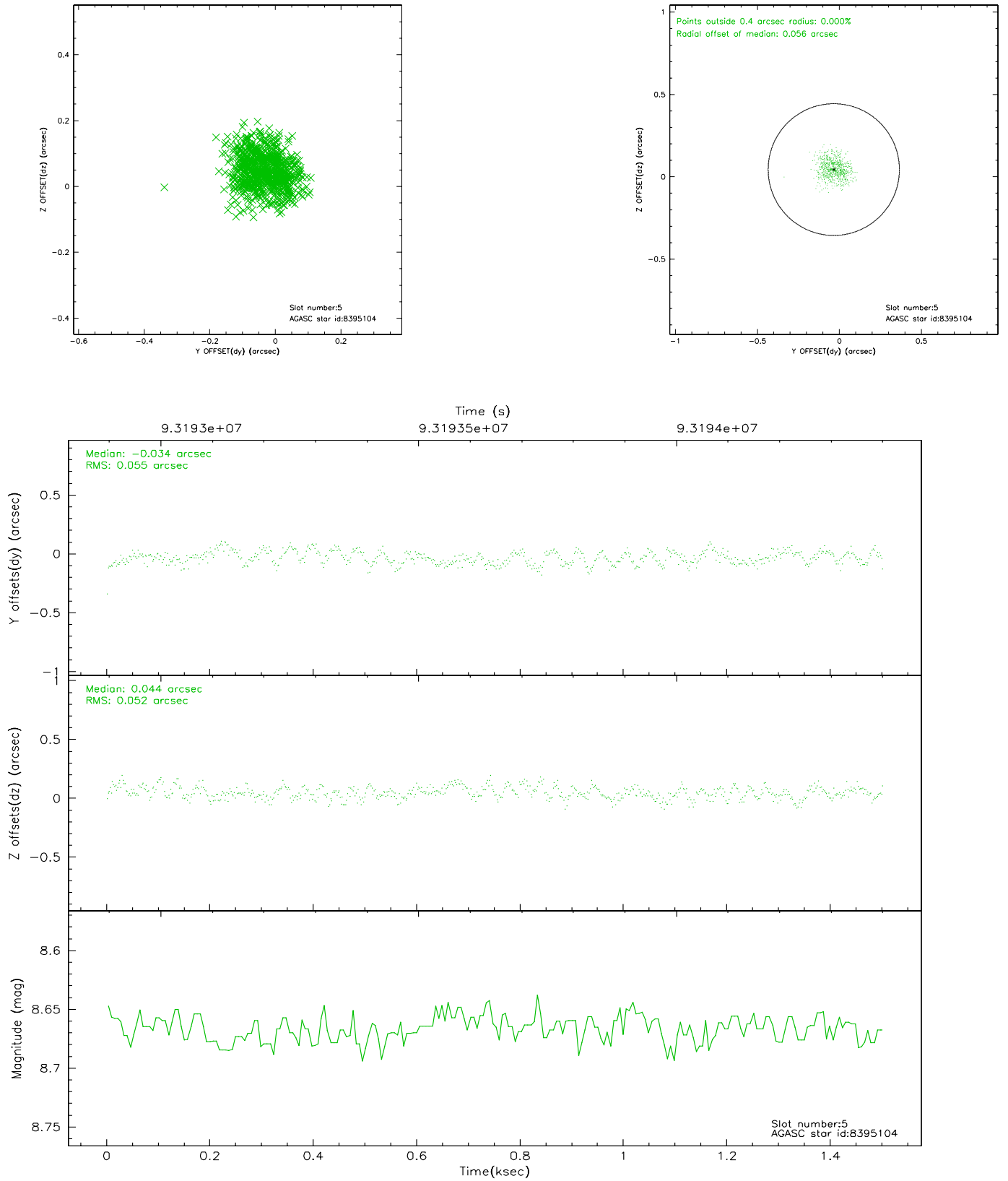
2.4.1 Slot 3



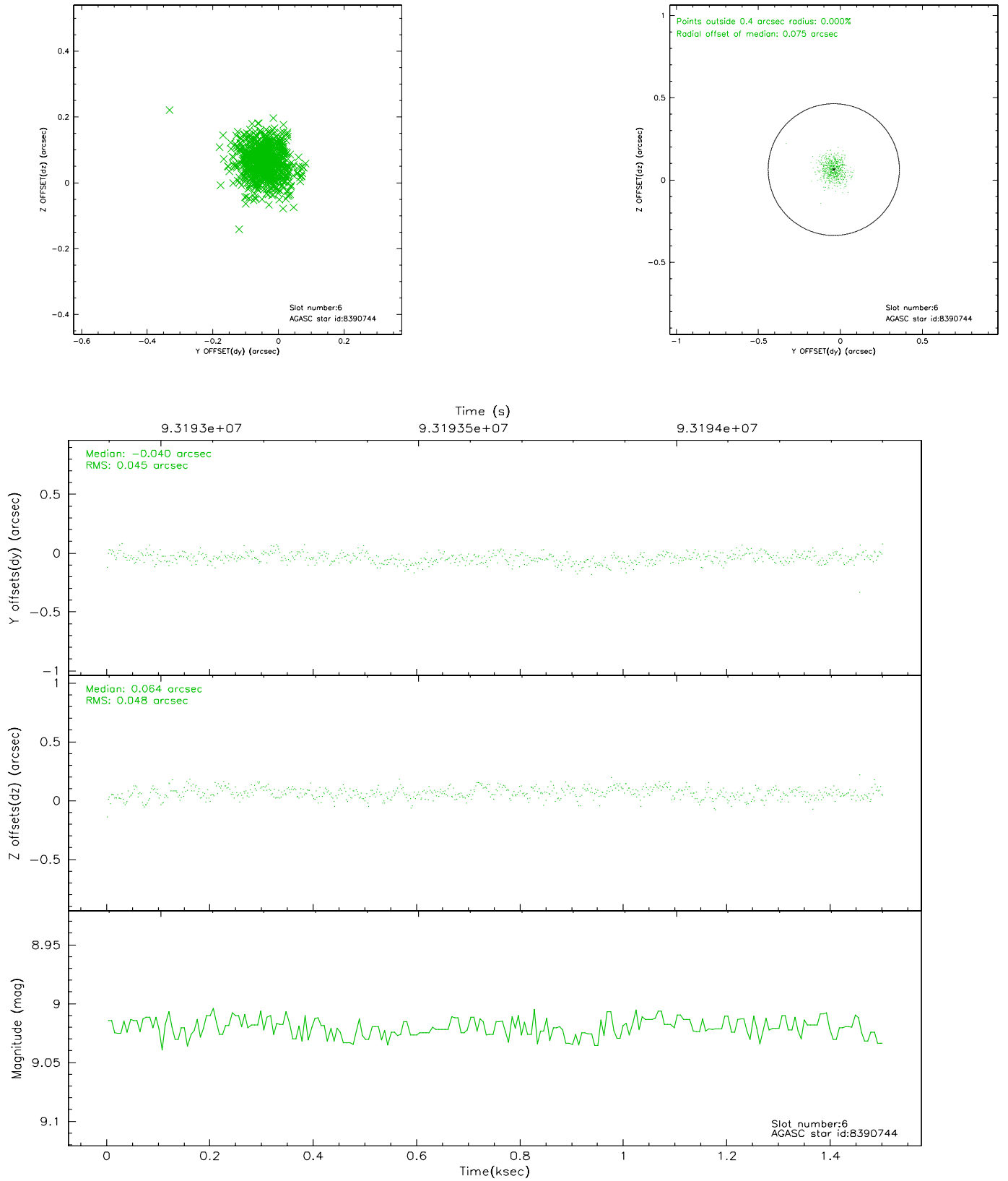
2.4.2 Slot 4



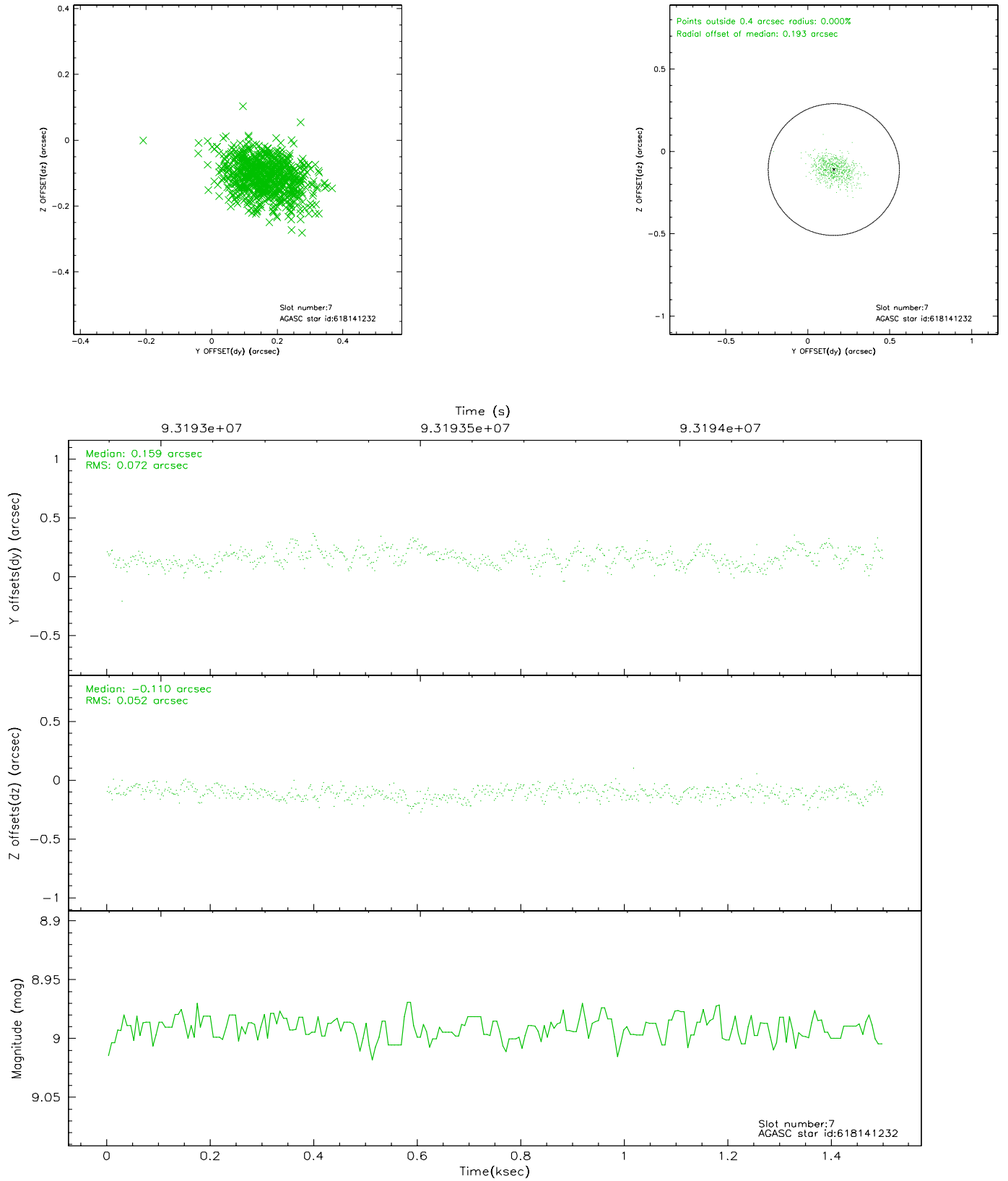
2.4.3 Slot 5



2.4.4 Slot 6

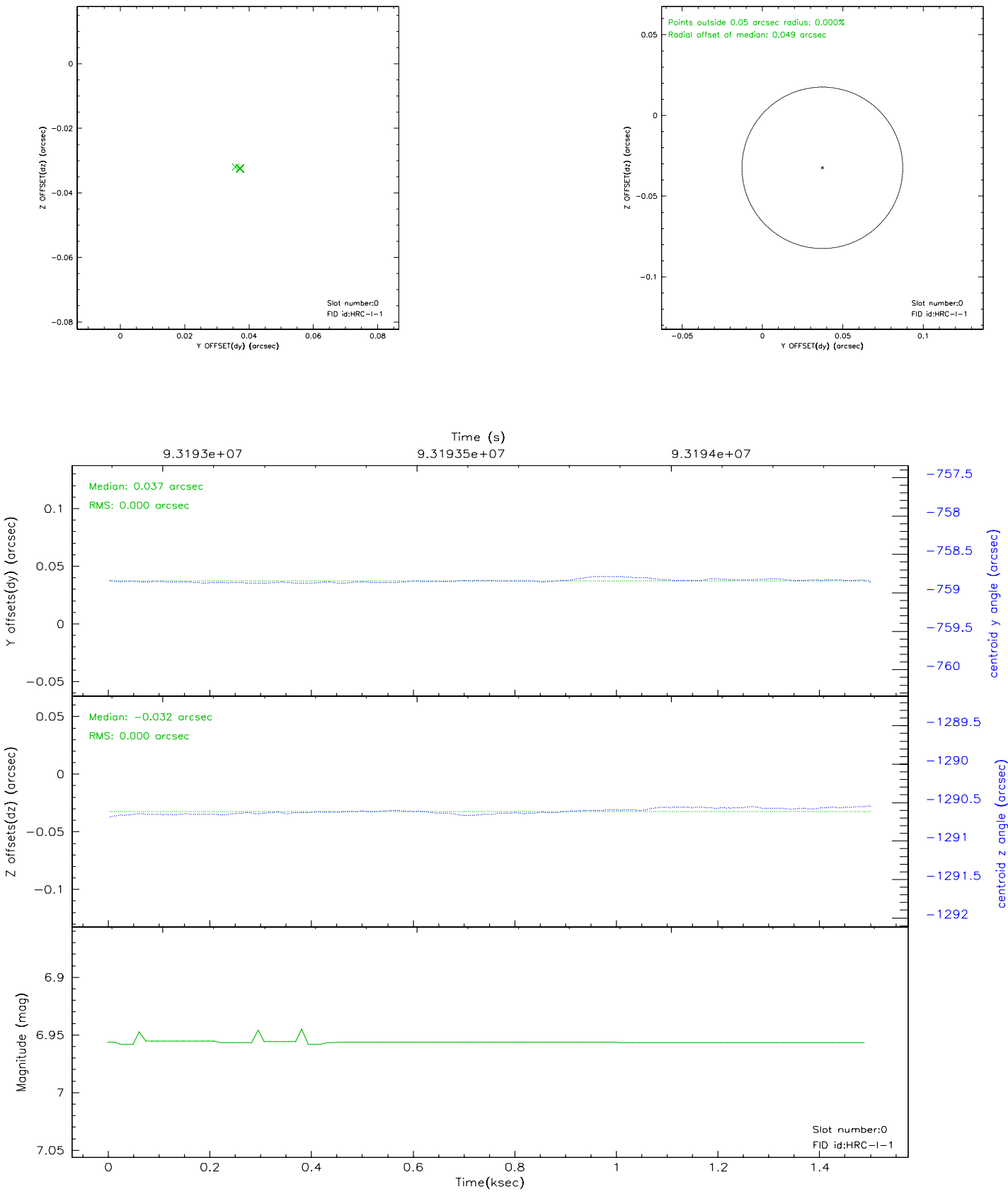


2.4.5 Slot 7

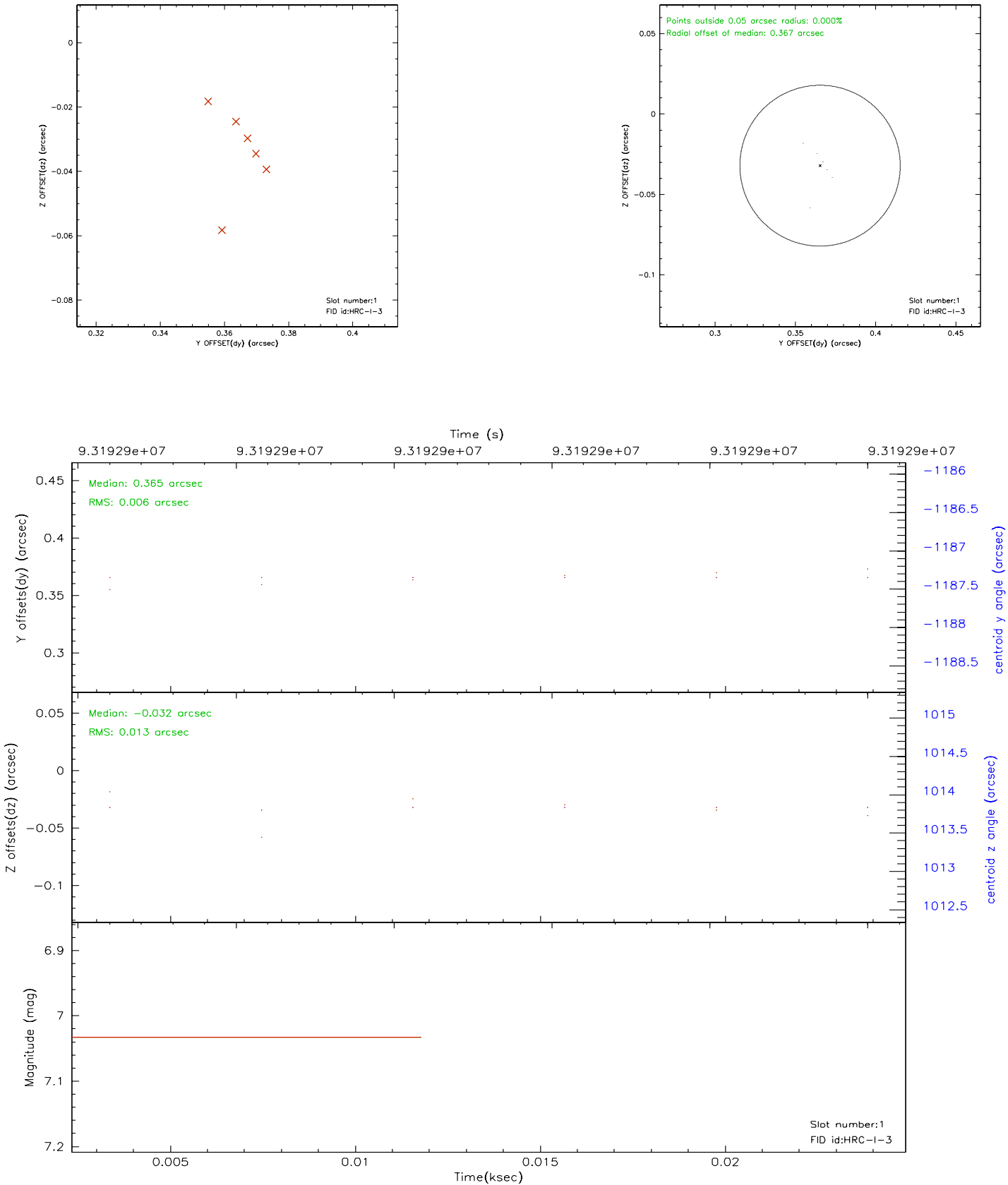


2.5 FID Slots

2.5.1 Slot 0

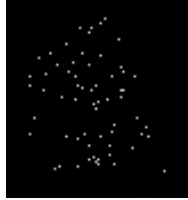


2.5.2 Slot 1



3 Point Sources

15.47 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	1.499

A.2 Comments

Window constraint met. The fid light in slot 1 was dropped from the aspect solution due to poor data quality; it was only tracked 1.91% of the observation. The fid light in slot 2 was unused during this observation. The aspect team deems this aspect solution acceptable for calibration purposes.

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.