

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2342 - L2 Version 4
Chandra X-Ray Center

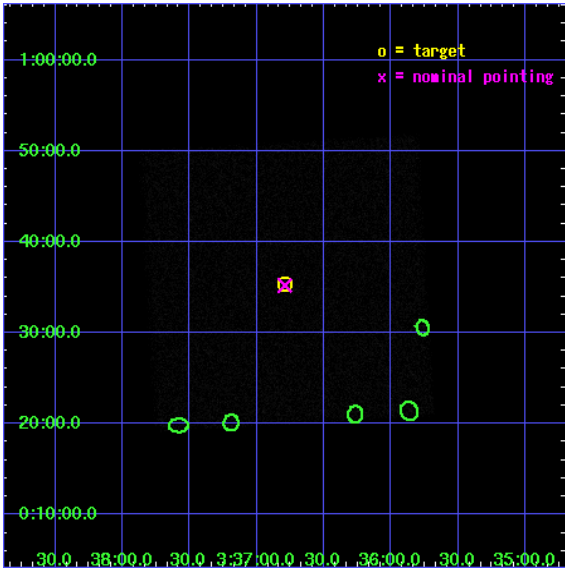
L2 Processing Date : Nov 21 2007

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1 Front

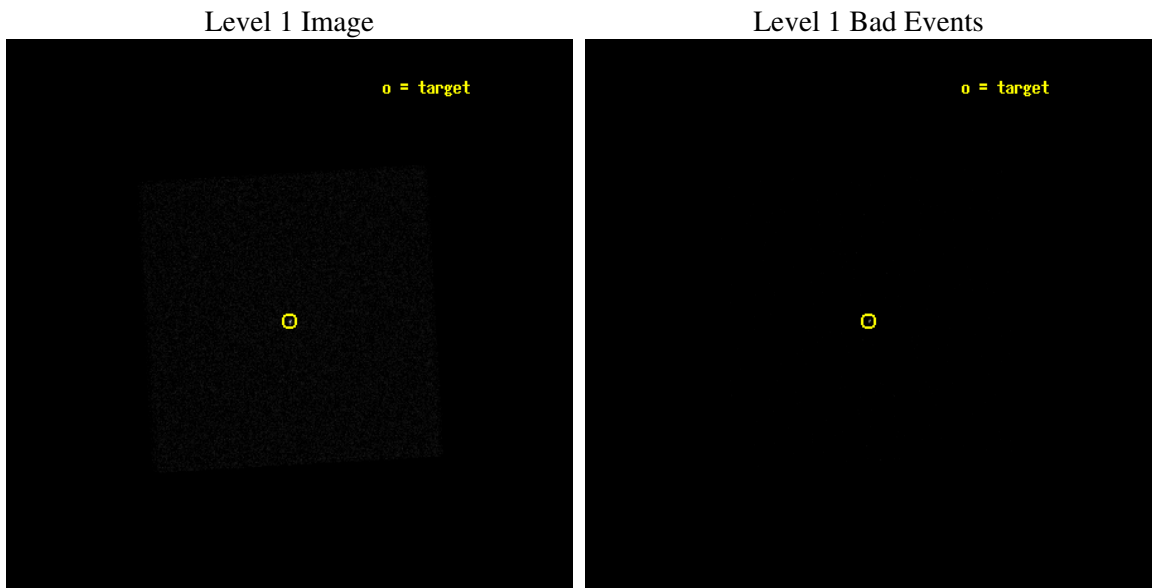
seq_num	390024
obs_id	2342
title	HRC-I FOCUS CHECK
observer	Dr. CXC Calibration
object	HR1099
ra_targ	54.197083
dec_targ	0.589972
ra_nom	54.19778774485
dec_nom	0.58675910651908
roll_nom	311.64816352701
revision	4
ontime	1540.8313089013
livetime	1533.6151485445
l2events	38924



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	2007-11-21T06:57:19
revision	4

sched_exp_time	1350.000000
ontime	1540.8313089013
l1events	67864

2.1.3 Events

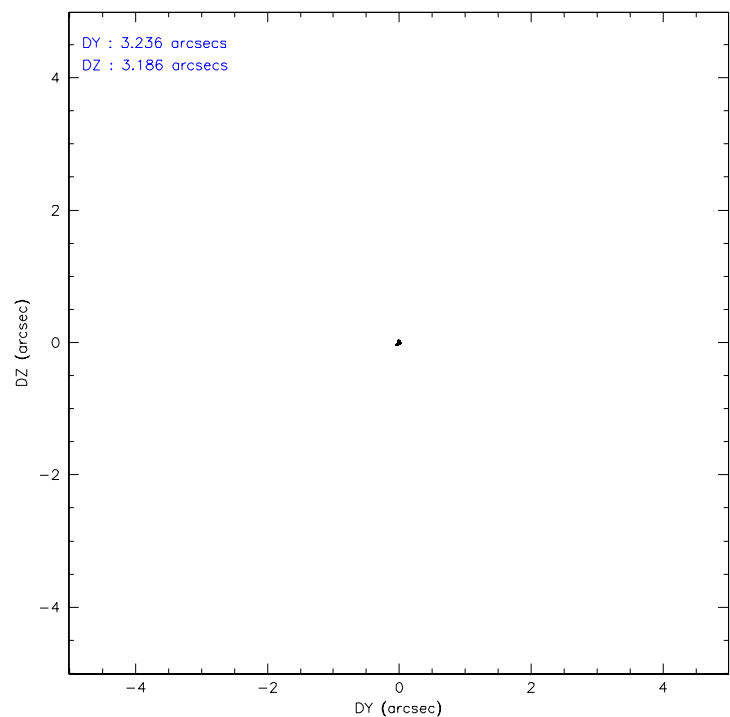
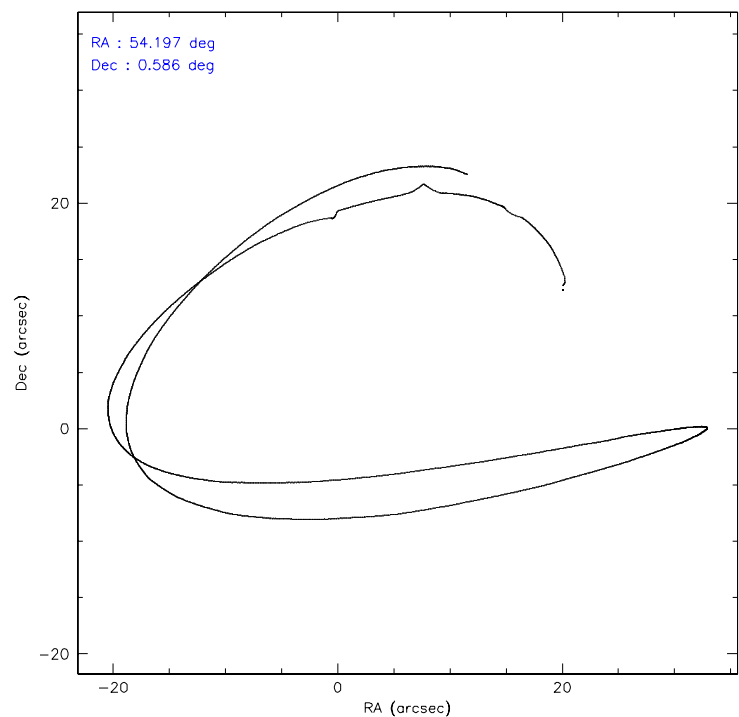
Level 1 Events

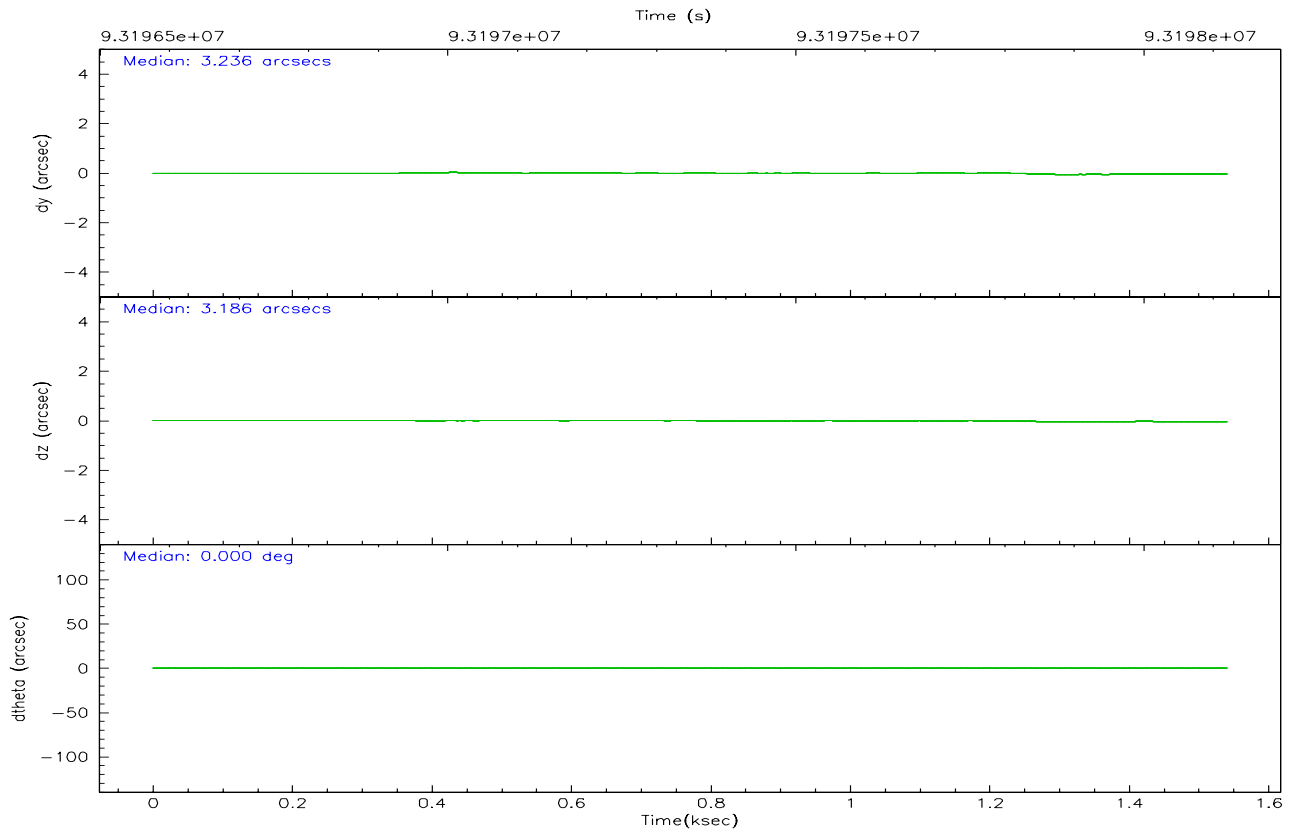
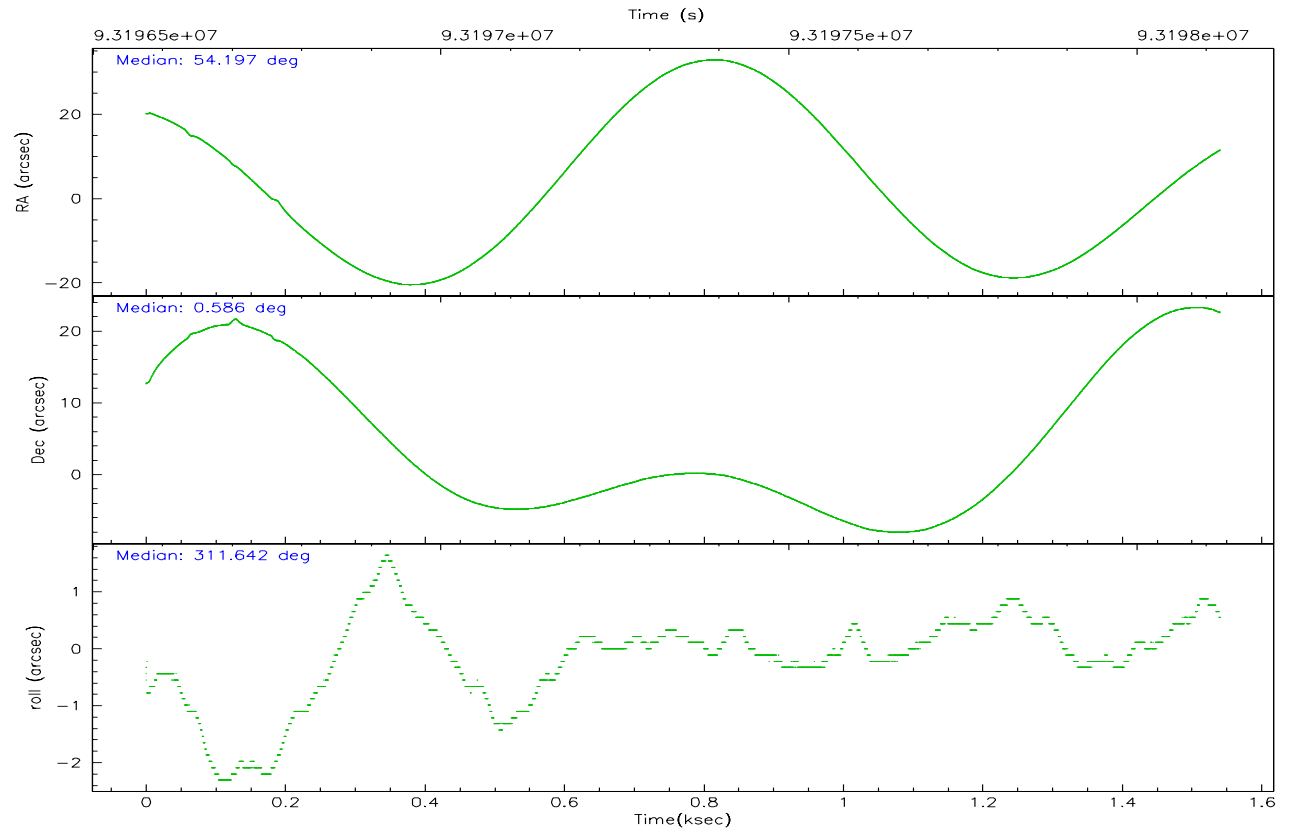
	segment 0
level 1 events	67864
rejected events	11435
rejected %	16%

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	54.172519	54.19778774485017			
Pointing Dec	0.593969	0.5867591065190761			
Pointing Roll	311.743903	311.648163527009			
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	93196768.184000	93196391.868947			
Observation start date	2000-12-14T15:58:24	2000-12-14T15:53:11			
Observation end time	93198118.184000	93198251.731519			
Observation end date	2000-12-14T16:20:54	2000-12-14T16:24:11			

2.3 Aspect



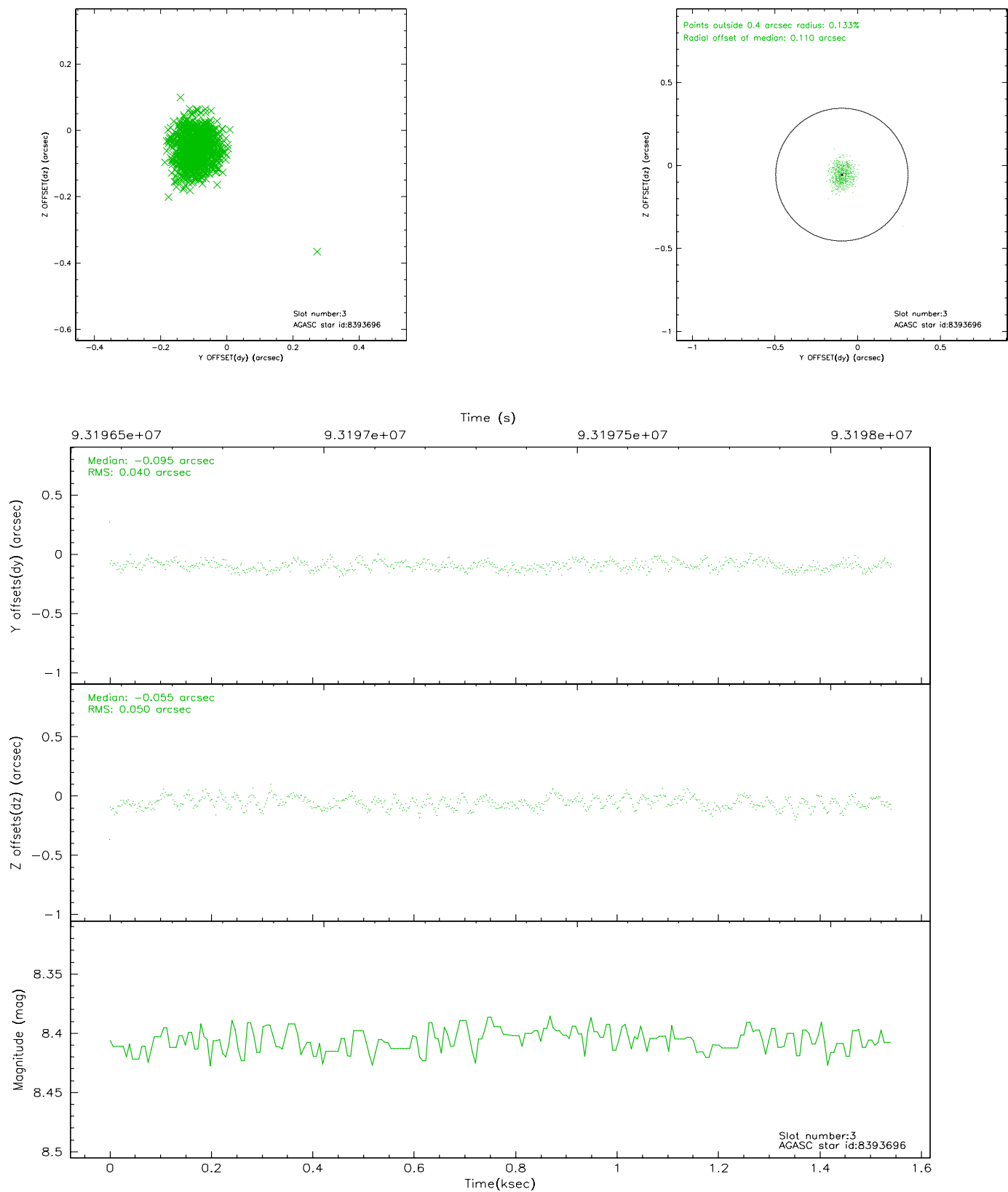


Slot Statistics

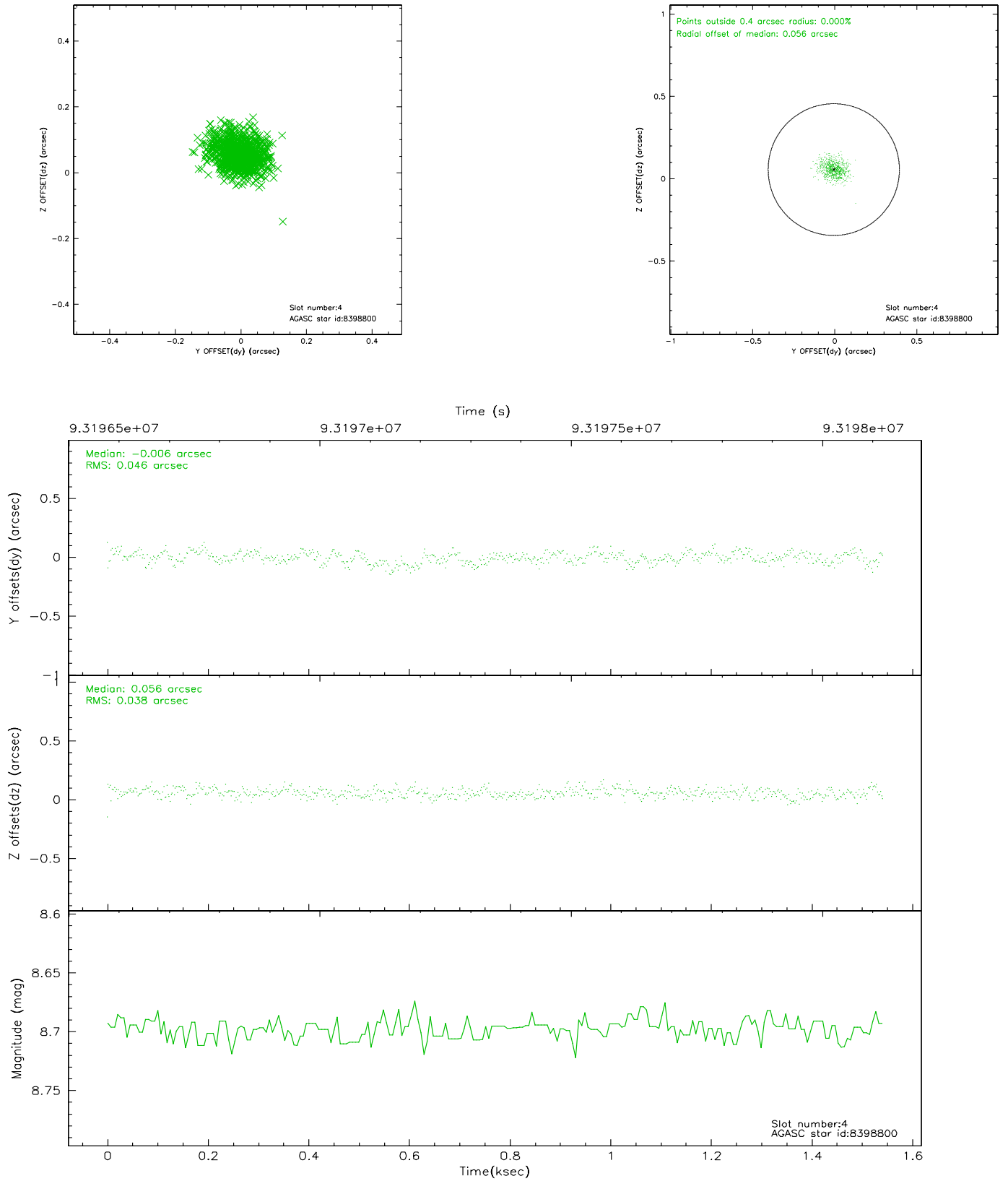
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	BAD	HRC-I-1	6.96	30	-0.291	0.478	0.015	0.041	0.000000	0.000000	-758.80	-1290.53
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	HRC-I-4	6.97	372	0.037	-0.030	0.000	0.000	0.000000	0.000000	1281.94	1007.98
3	GUIDE	8393696	8.41	753	-0.095	-0.055	0.068	0.101	53.645666	0.680479	-1489.81	-1207.96
4	GUIDE	8398800	8.70	753	-0.006	0.056	0.064	0.102	54.242352	0.922024	-710.61	972.17
5	GUIDE	8395104	8.67	753	-0.033	0.058	0.090	0.136	54.744893	0.796520	831.82	2024.26
6	GUIDE	8390744	9.02	753	-0.051	0.063	0.066	0.109	53.677290	0.926294	-2073.16	-530.99
7	GUIDE	618141232	8.99	752	0.197	-0.123	0.102	0.169	54.173459	-0.292336	2385.96	-2122.56

2.4 Star Slots

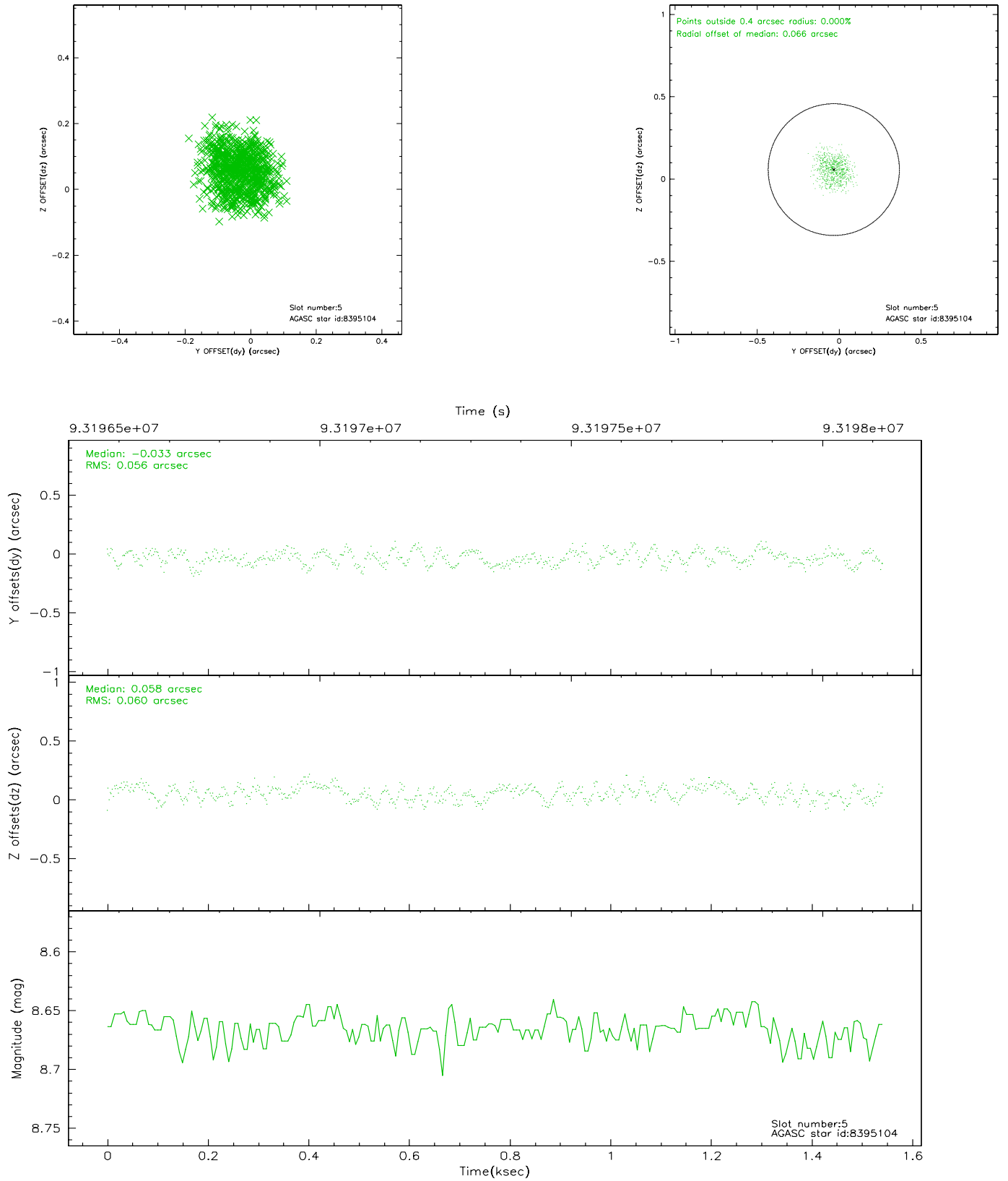
2.4.1 Slot 3



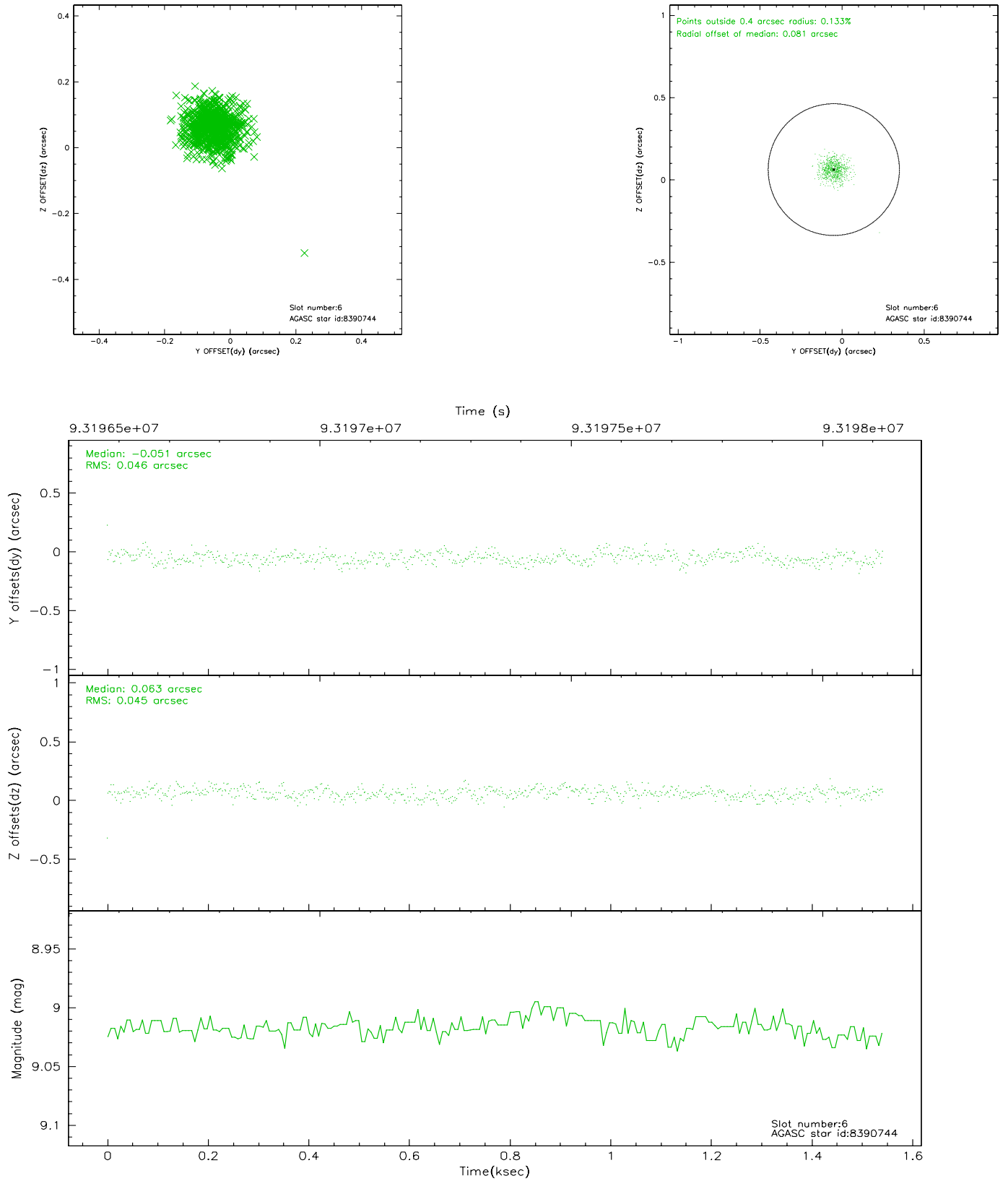
2.4.2 Slot 4



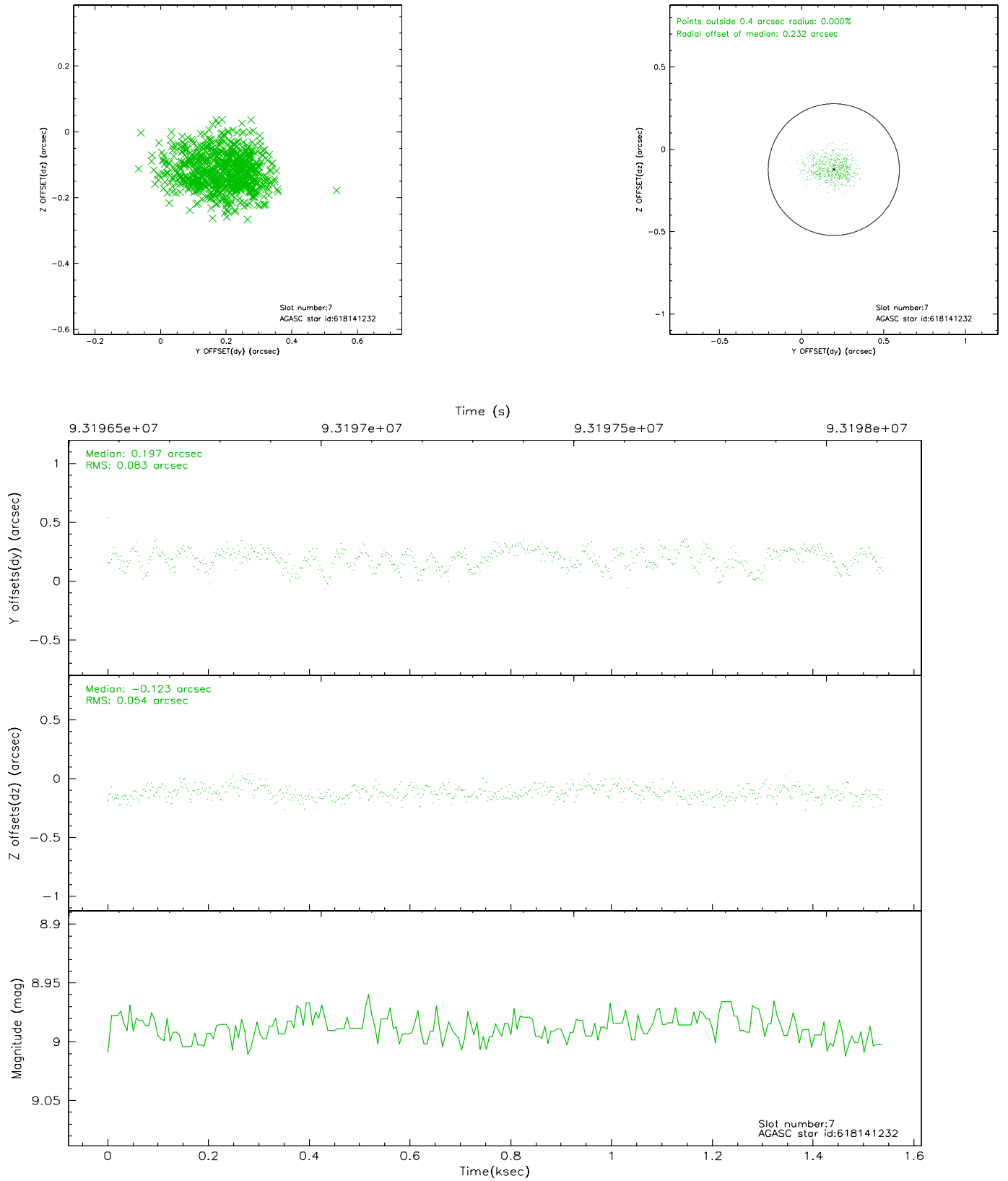
2.4.3 Slot 5



2.4.4 Slot 6

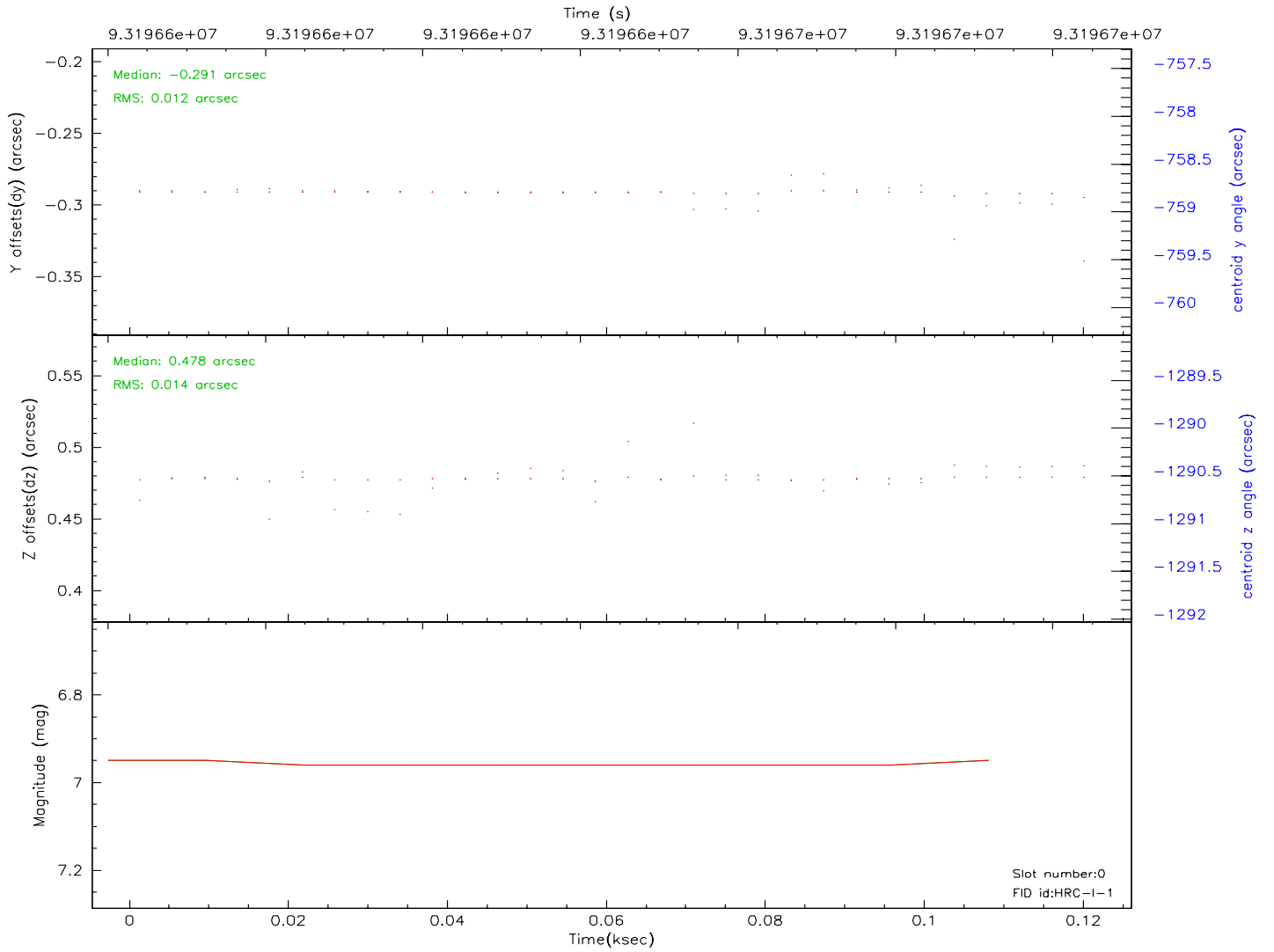
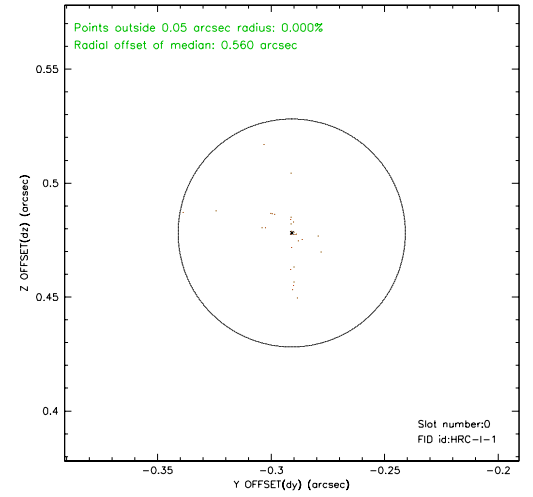
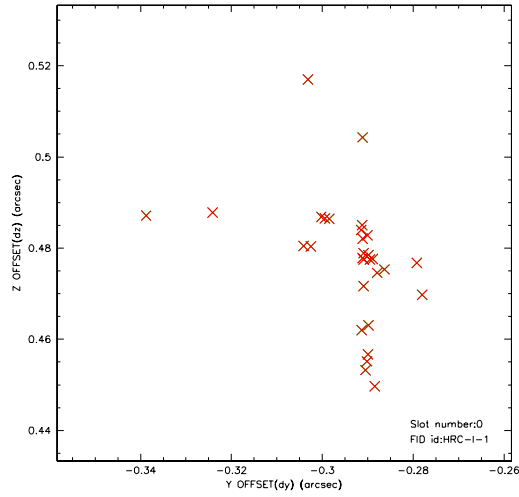


2.4.5 Slot 7

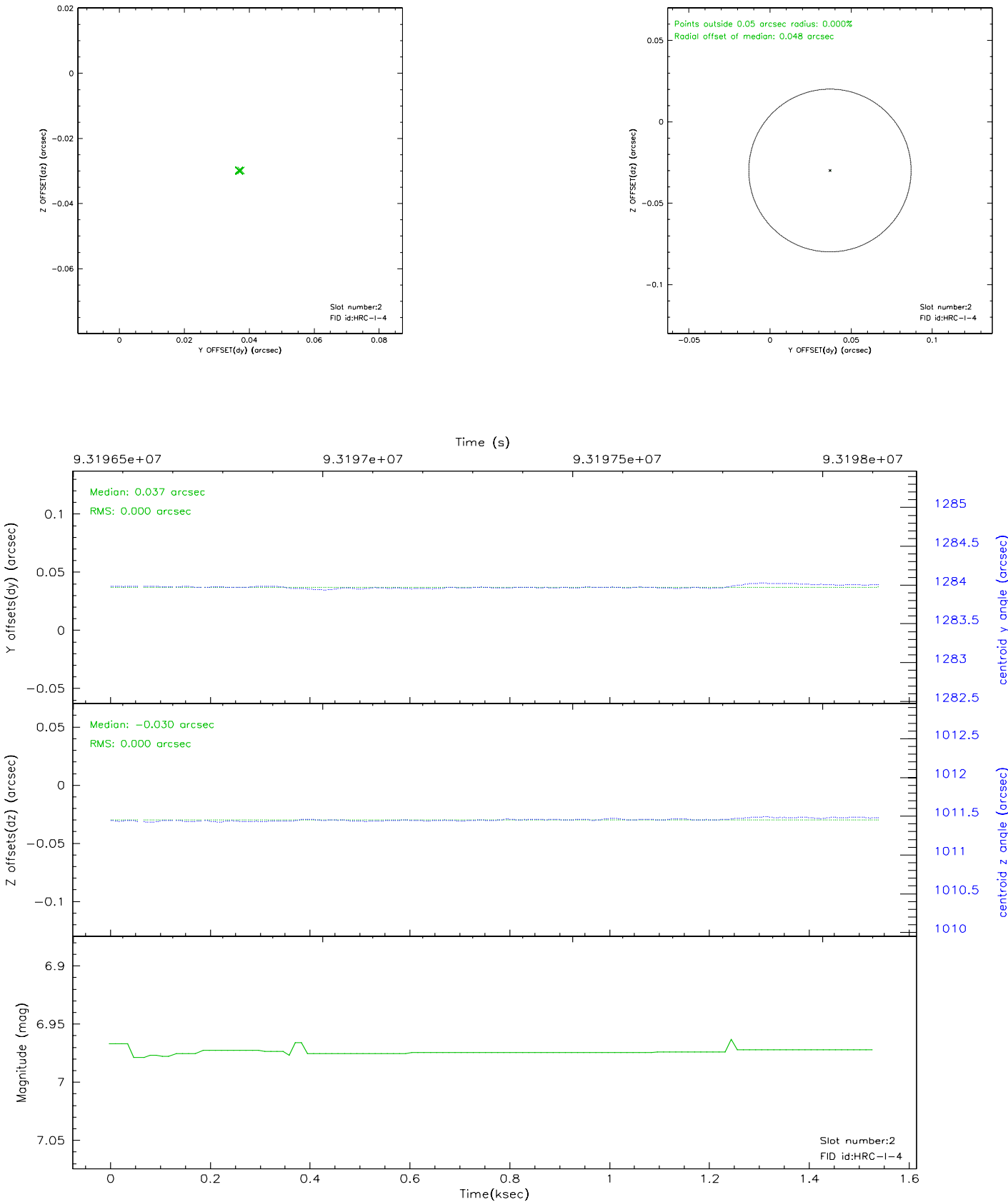


2.5 FID Slots

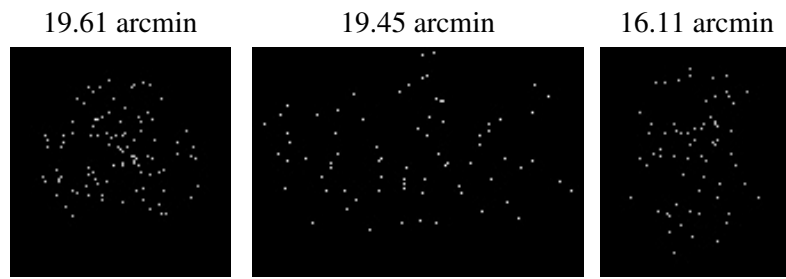
2.5.1 Slot 0



2.5.2 Slot 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	1.535

A.2 Comments

Window constraint met. The fid light in slot 0 was dropped from the aspect solution due to poor data quality: it was only tracked for 7.83% of the observation. The fid light in slot 1 was unused in the aspect solution. The aspect team has deemed this acceptable for calibration.

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.