

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2343 - L2 Version 4
Chandra X-Ray Center

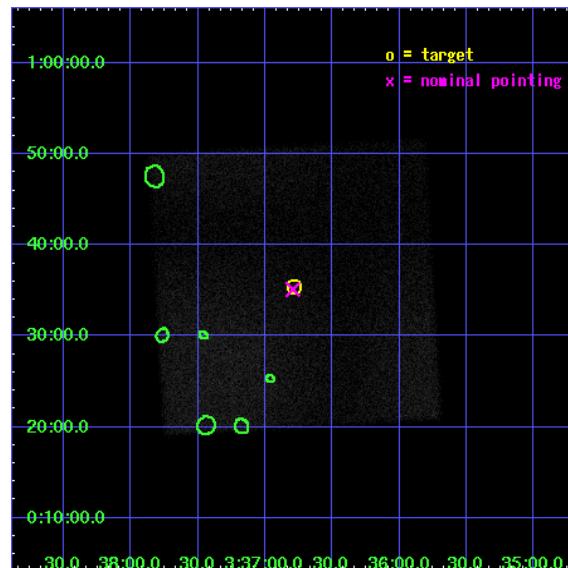
L2 Processing Date : Nov 21 2007

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1 Front

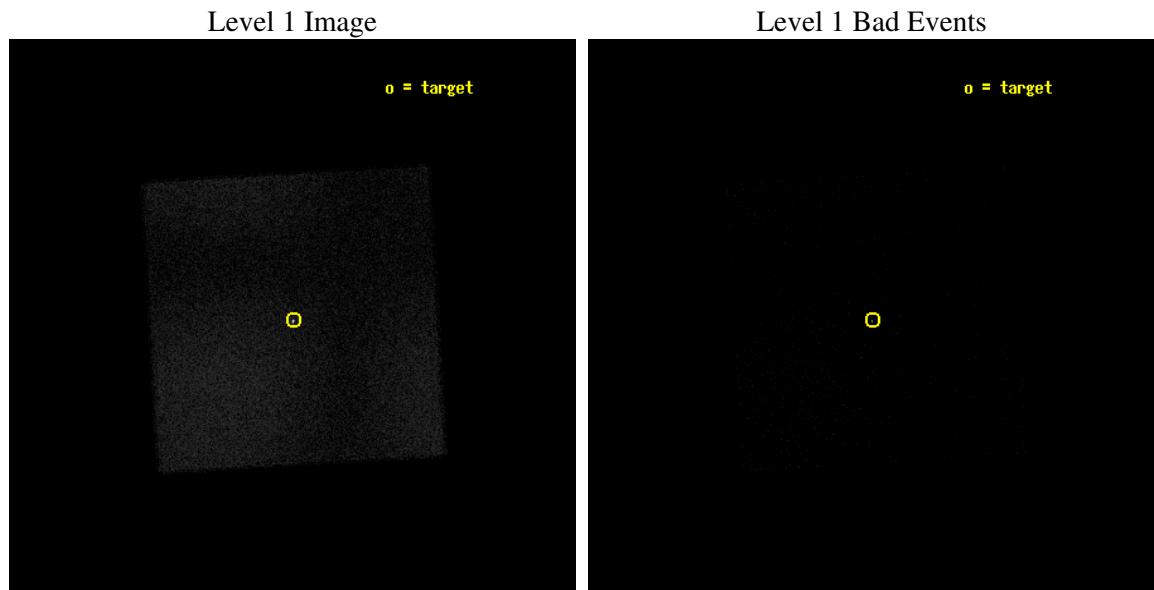
seq_num	390025
obs_id	2343
title	HRC-I FOCUS CHECK
observer	Dr. CXC Calibration
object	HR1099
ra_targ	54.197083
dec_targ	0.589972
ra_nom	54.198646199113
dec_nom	0.58537537965432
roll_nom	311.62592619499
revision	4
ontime	1622.8313120455
livetime	1611.5676271502
l2events	84624



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	2007-11-21T06:57:37
revision	4

sched_exp_time	1421.031000
ontime	1622.8313120455
l1events	136132

2.1.3 Events

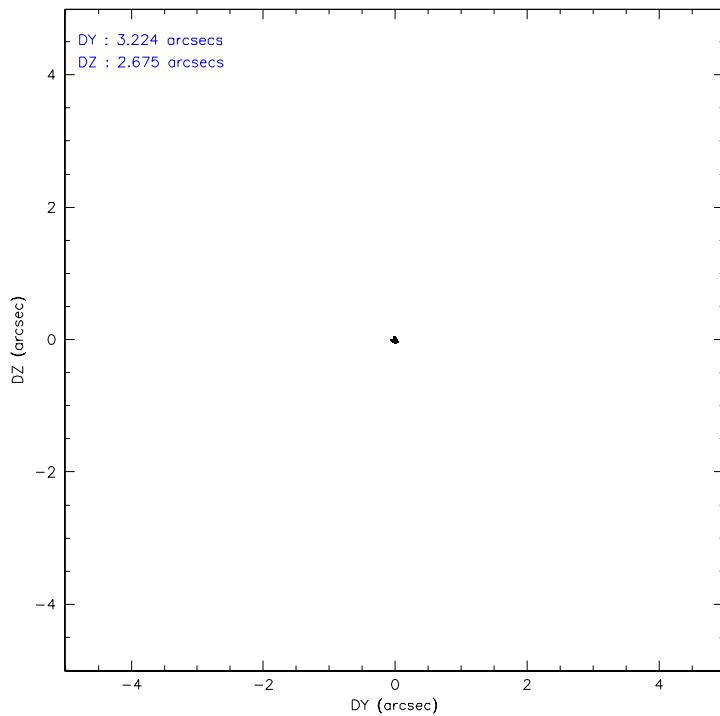
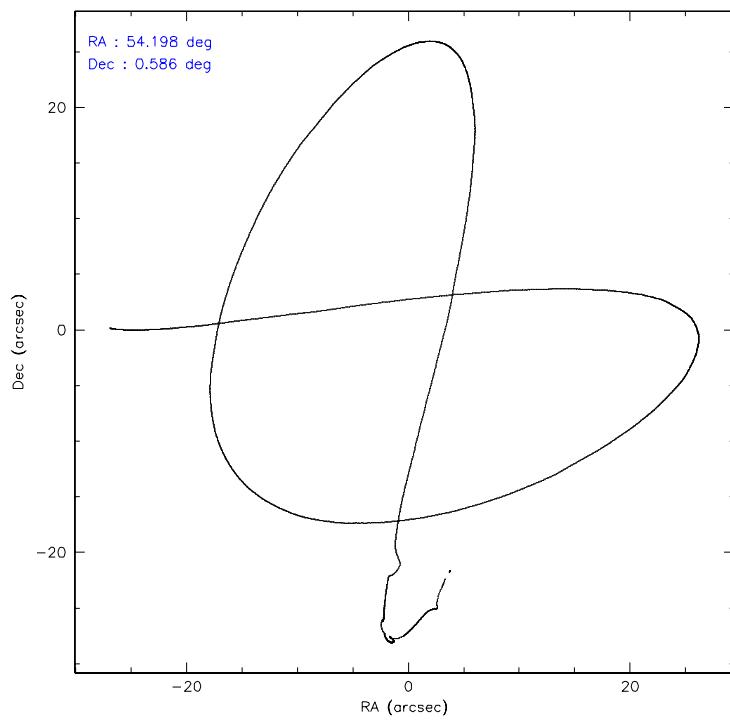
Level 1 Events

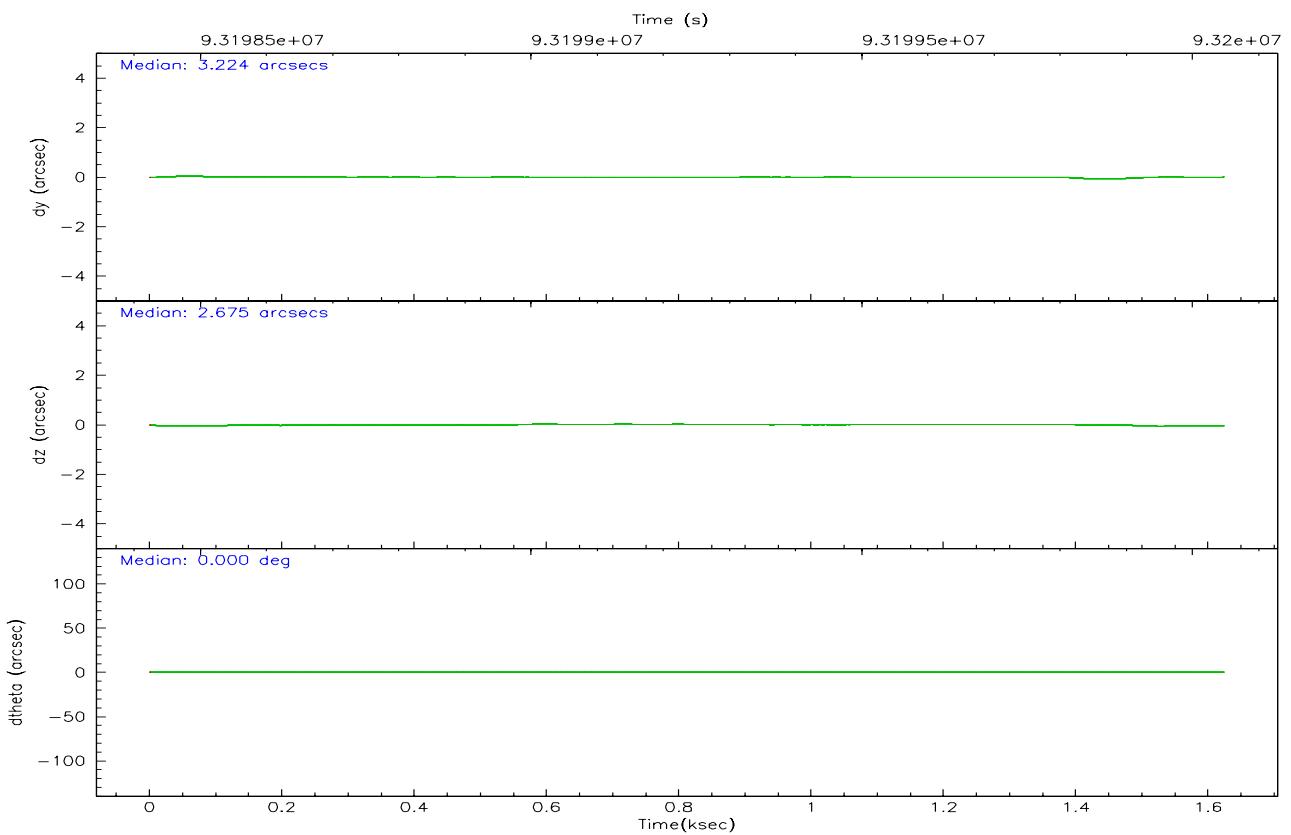
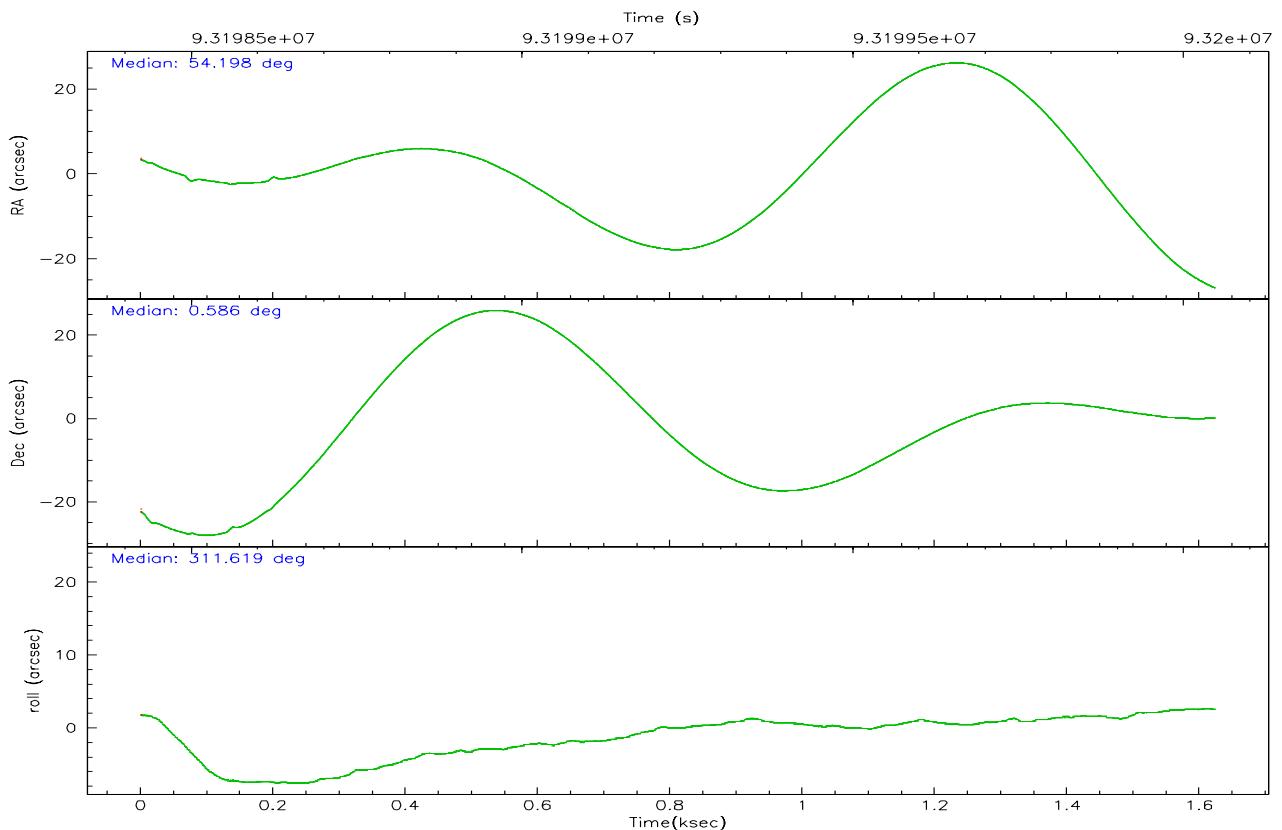
	segment 0
level 1 events	136132
rejected events	21797
rejected %	16%

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	54.172515	54.19864619911292			
Pointing Dec	0.593978	0.5853753796543197			
Pointing Roll	311.721670	311.6259261949911			
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	93198628.184000	93198251.731519			
Observation start date	2000-12-14T16:29:24	2000-12-14T16:24:11			
Observation end time	93200049.184000	93200363.74409901			
Observation end date	2000-12-14T16:53:05	2000-12-14T16:59:23			

2.3 Aspect



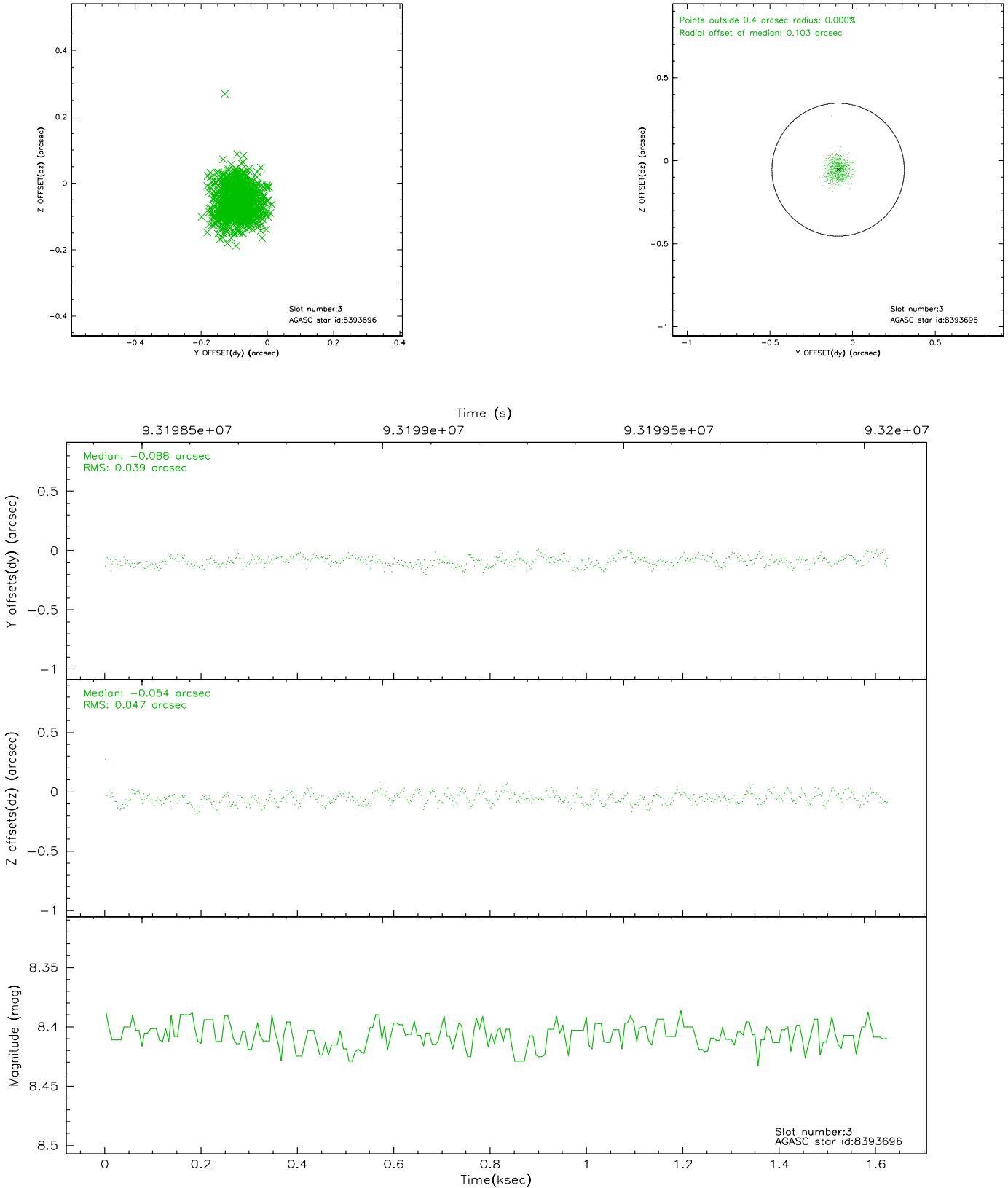


Slot Statistics

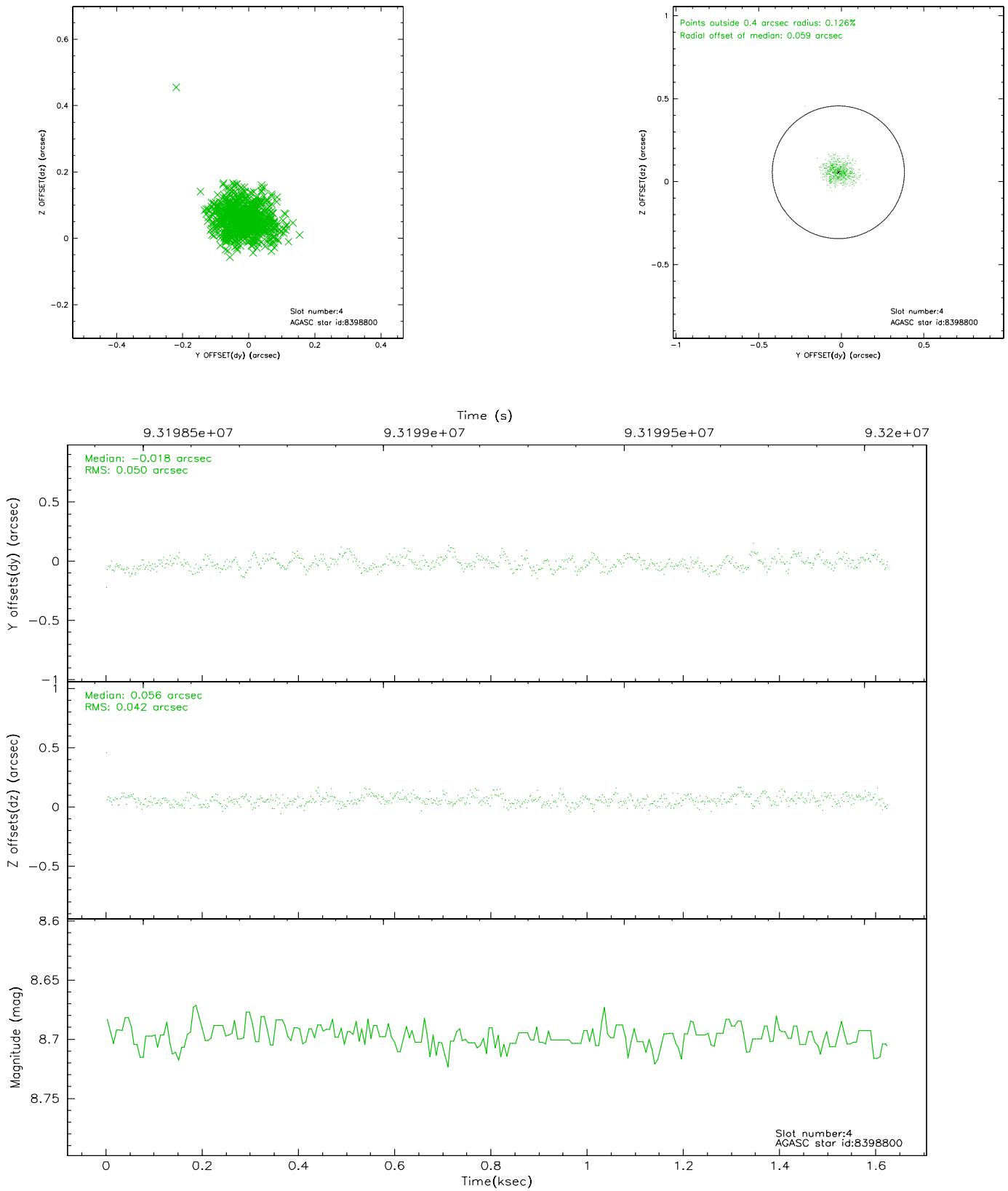
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
1	FID	HRC-I-3	7.04	395	0.040	-0.027	0.000	0.000	0.000000	0.000000	-1187.29	1014.01
2	BAD	HRC-I-4	6.97	34	0.049	-0.533	0.023	0.048	0.000000	0.000000	1249.04	1041.33
3	GUIDE	8393696	8.41	793	-0.088	-0.054	0.066	0.099	53.645666	0.680479	-1494.98	-1207.56
4	GUIDE	8398800	8.70	793	-0.018	0.056	0.069	0.109	54.242352	0.922024	-716.57	972.96
5	GUIDE	8395104	8.67	793	-0.021	0.057	0.084	0.135	54.744893	0.796520	825.40	2025.51
6	GUIDE	8390744	9.02	793	-0.044	0.062	0.070	0.113	53.677290	0.926294	-2078.66	-530.97
7	GUIDE	618141232	8.99	791	0.185	-0.113	0.094	0.158	54.173459	-0.292336	2381.25	-2120.65

2.4 Star Slots

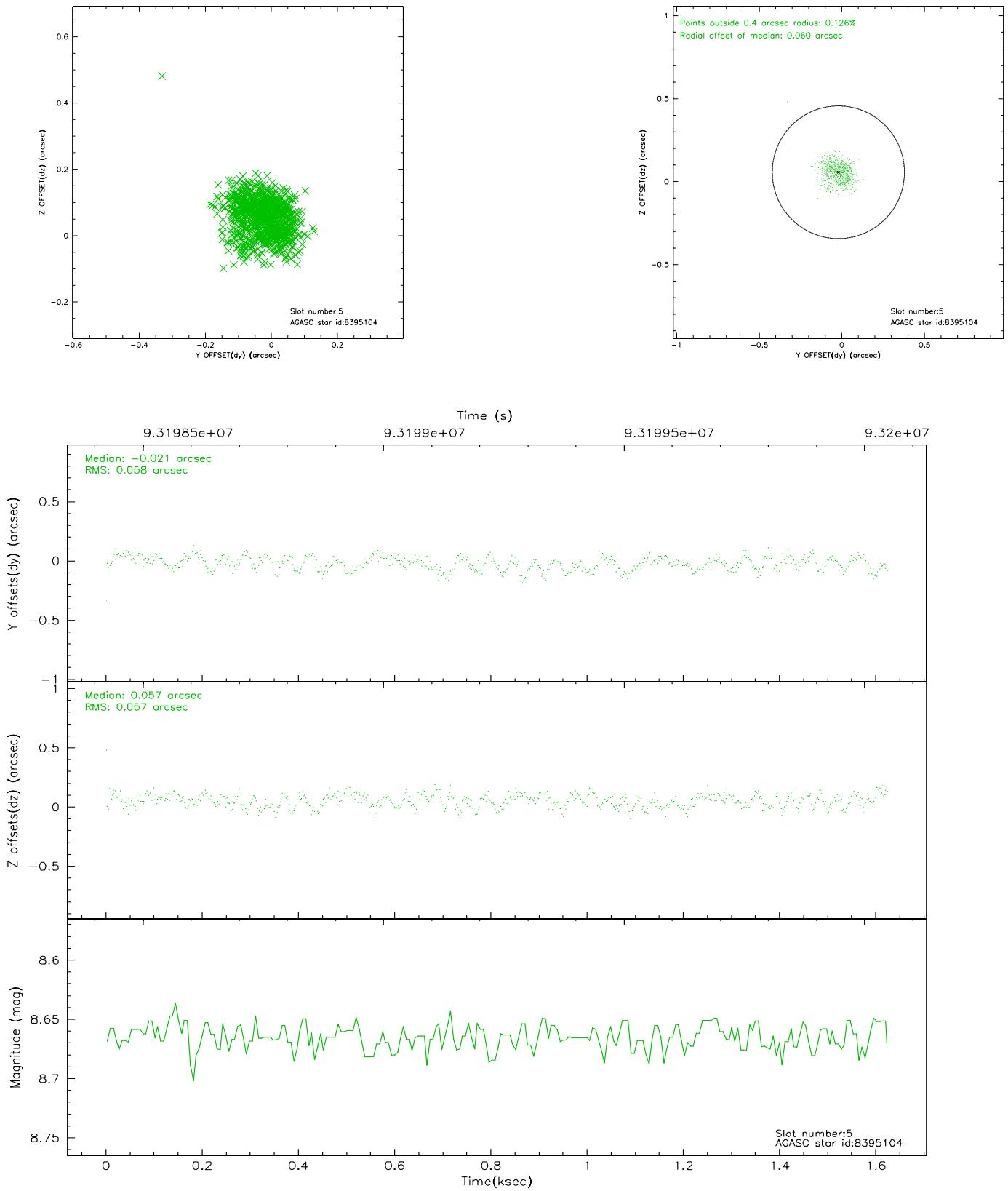
2.4.1 Slot 3



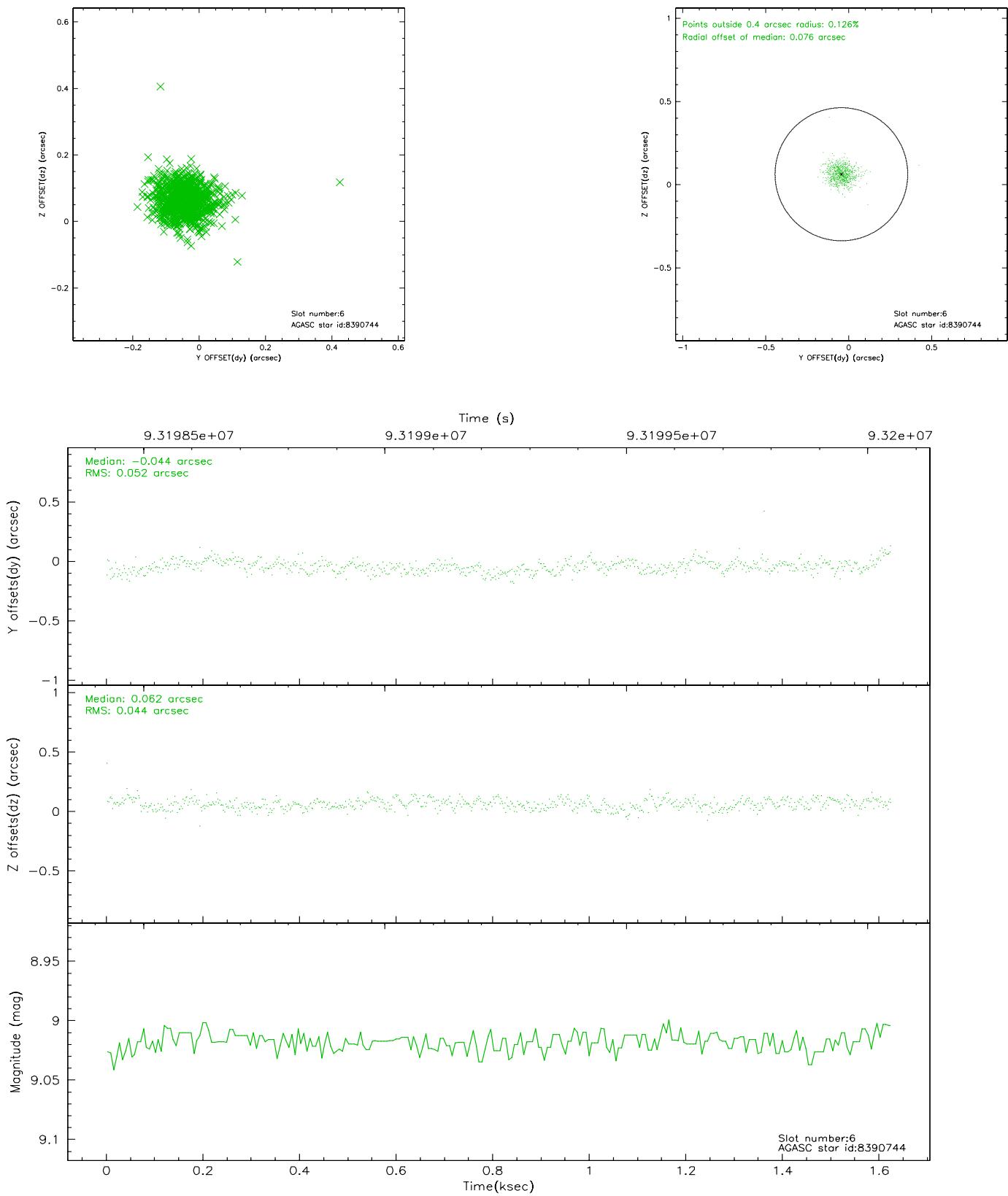
2.4.2 Slot 4



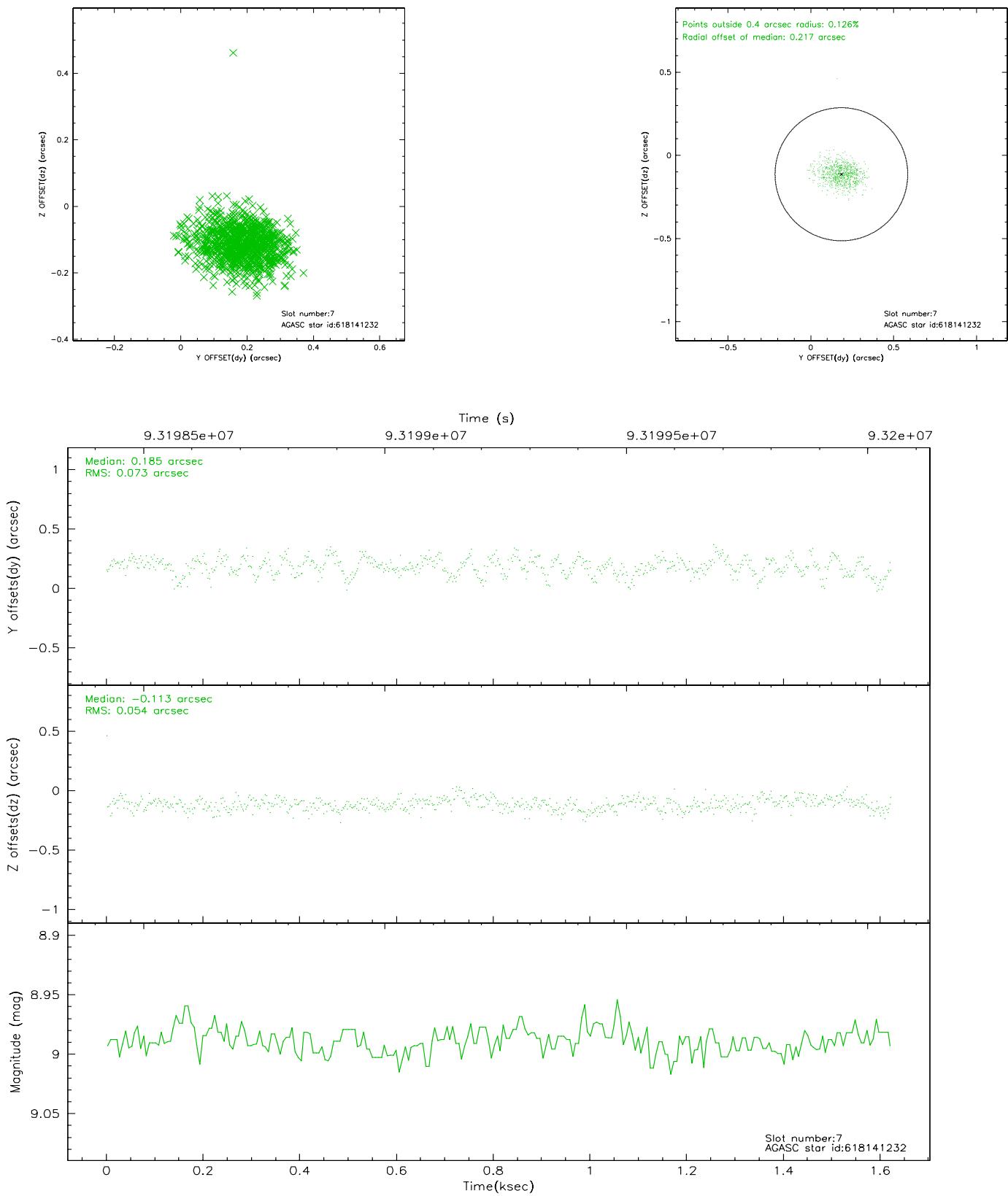
2.4.3 Slot 5



2.4.4 Slot 6

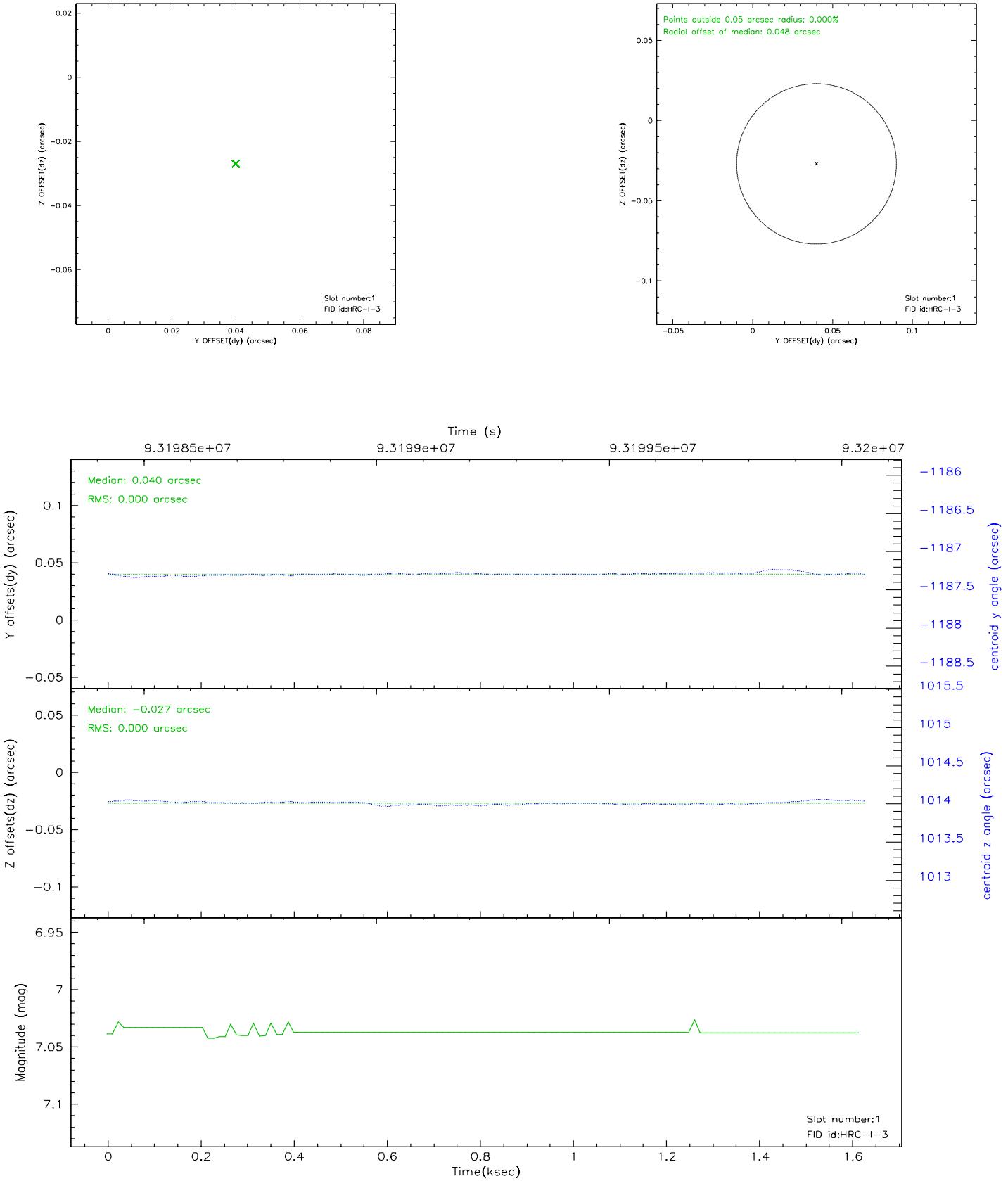


2.4.5 Slot 7

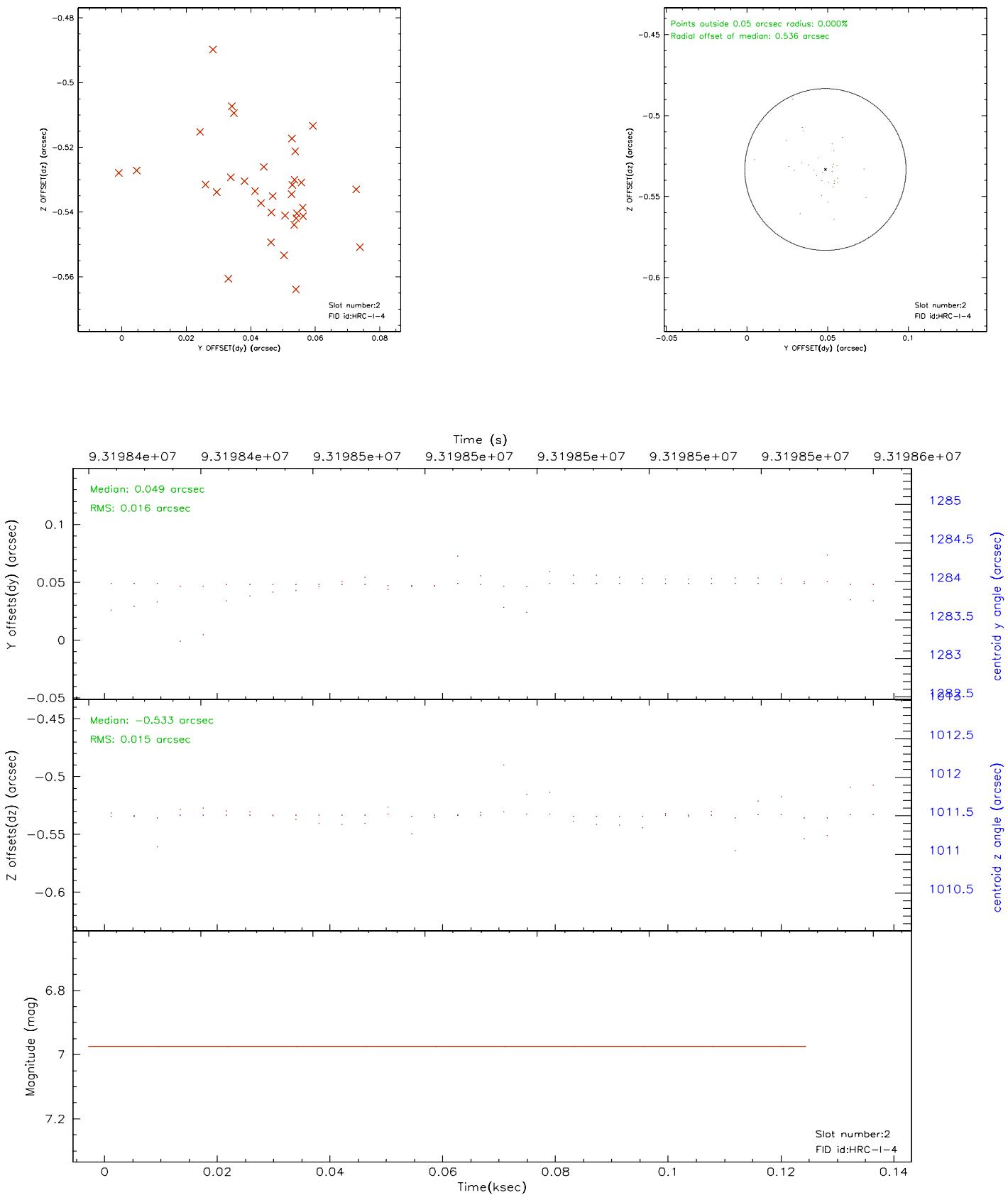


2.5 FID Slots

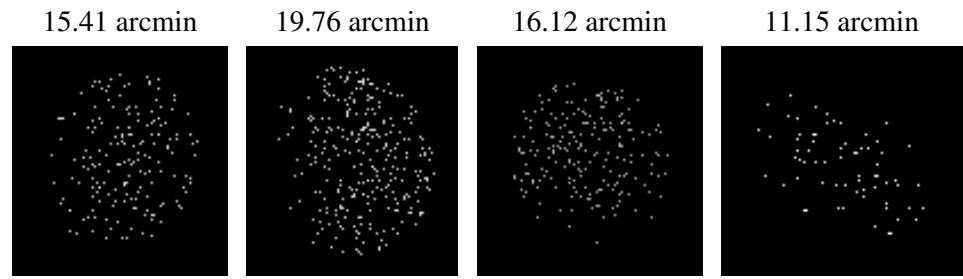
2.5.1 Slot 1



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	1.62

A.2 Comments

The fid light in slot 2 was removed from the aspect solution due to poor data quality: it was only tracked 8.81% of the observation. The fid light in slot 0 was unused. The aspect solution was deemed acceptable for calibration. Window constraint met.

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.