

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5960 - L2 Version 3
Chandra X-Ray Center

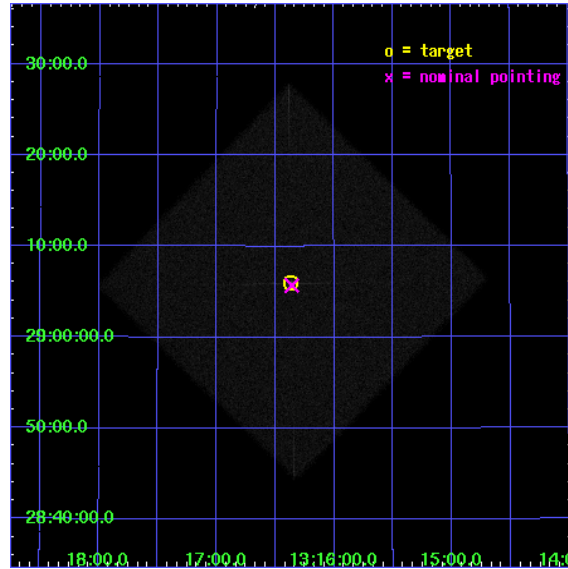
L2 Processing Date : Nov 24 2007

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1 Front

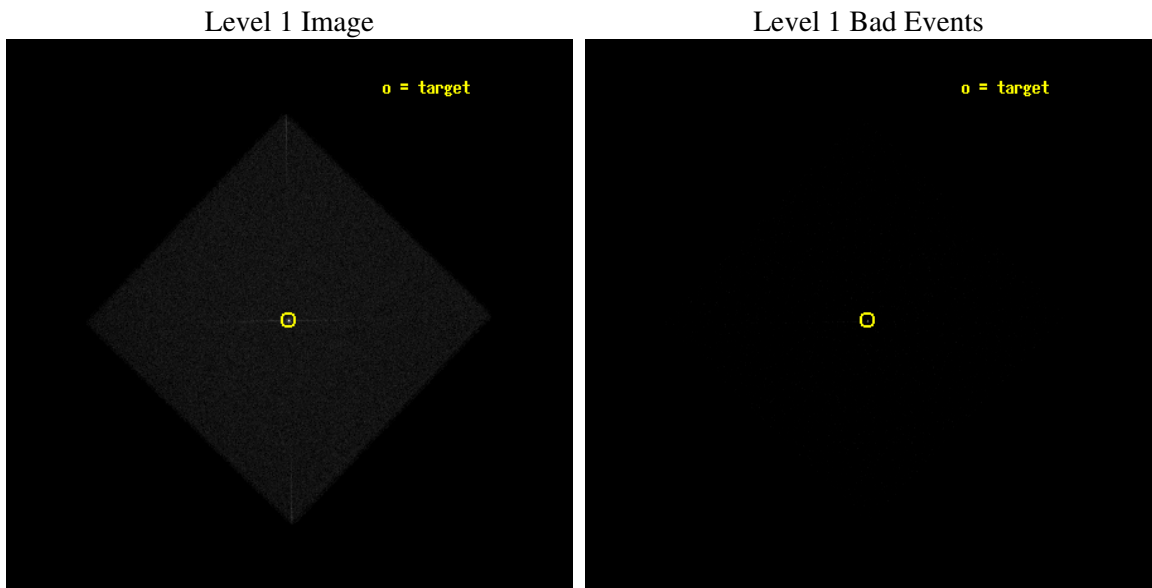
seq_num	290452
obs_id	5960
title	AO6 Calibration Observations of HZ43
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.08987740207
dec_nom	29.095194840681
roll_nom	268.92151572411
revision	3
ontime	2172.2313495576
livetime	2128.8343995038
l2events	261371



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T16:21:33
revision	3

sched_exp_time	1998.709000
ontime	2172.2313495576
l1events	464187

2.1.3 Events

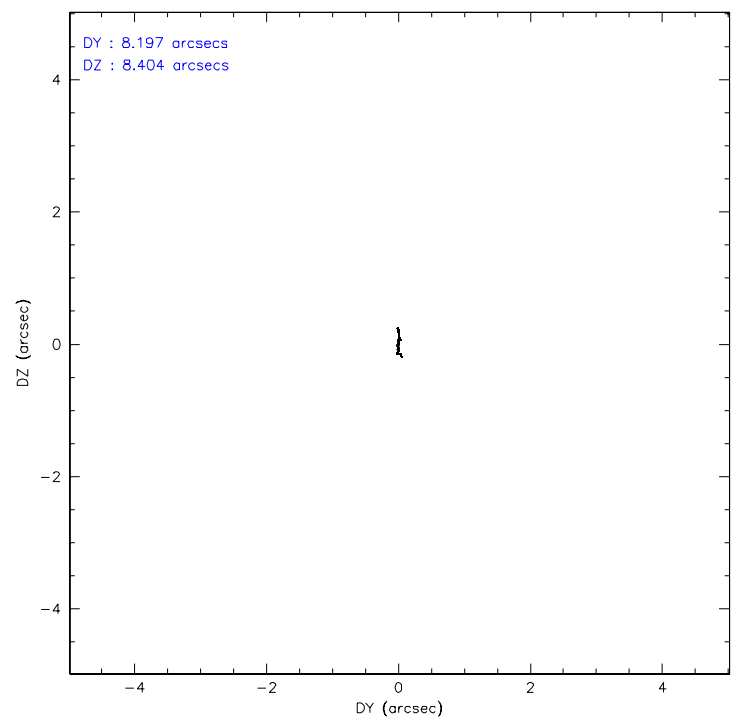
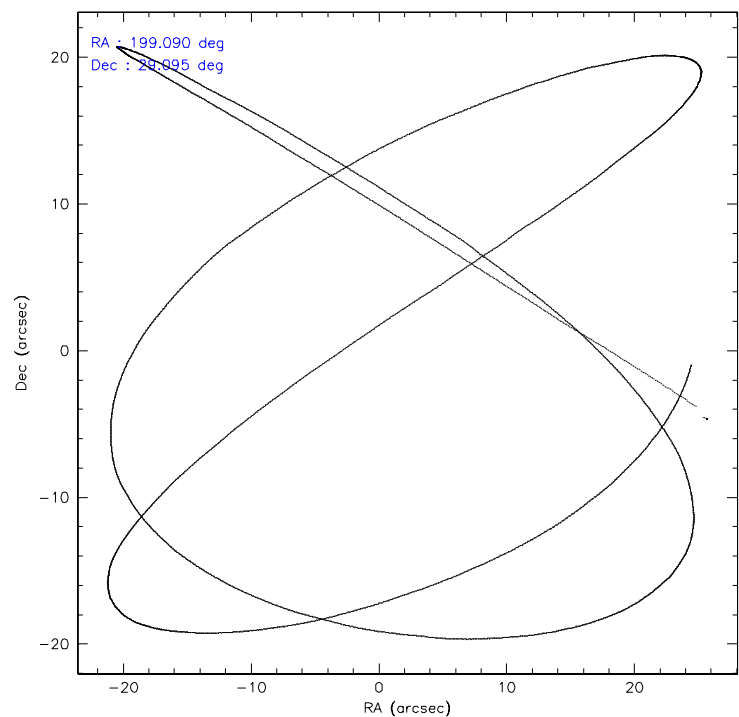
Level 1 Events

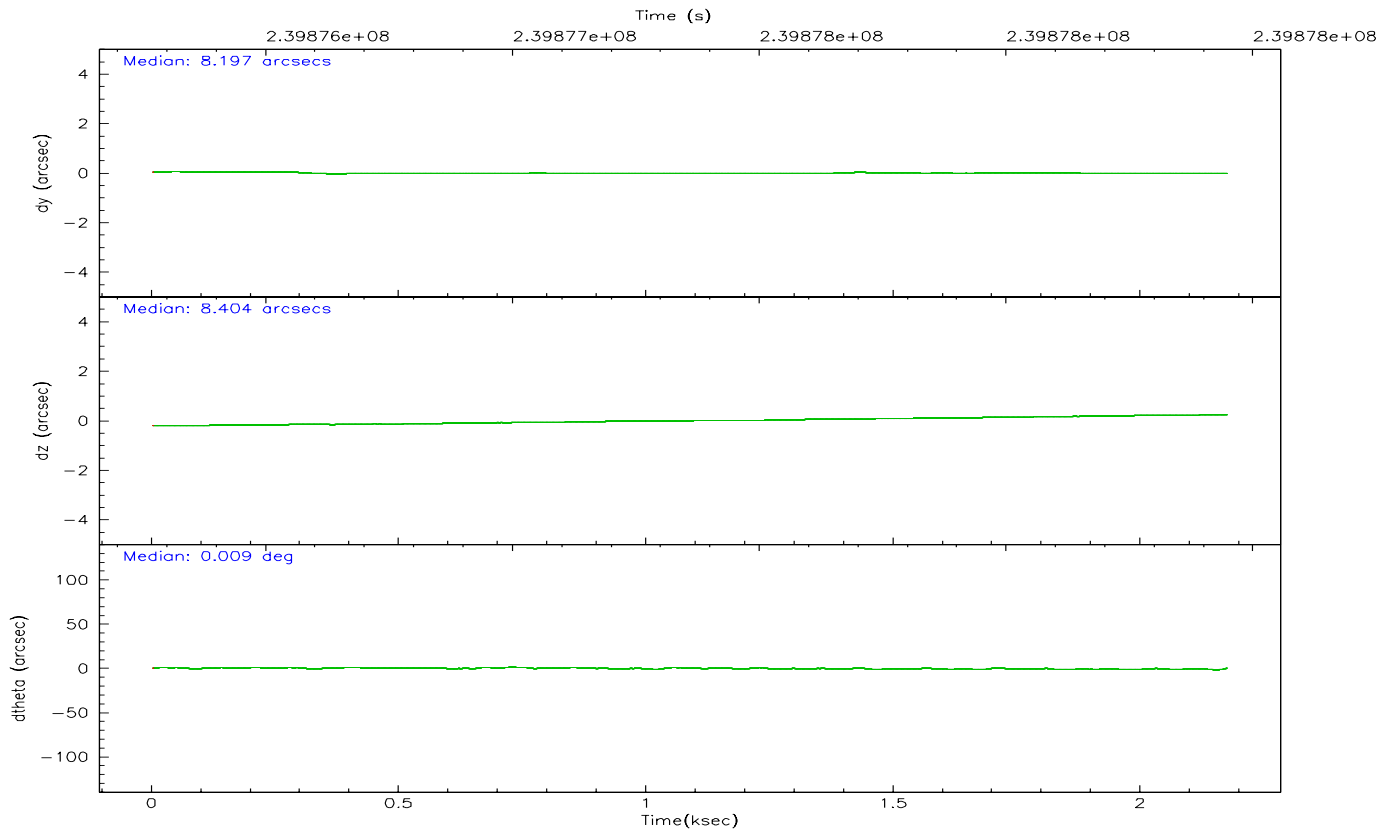
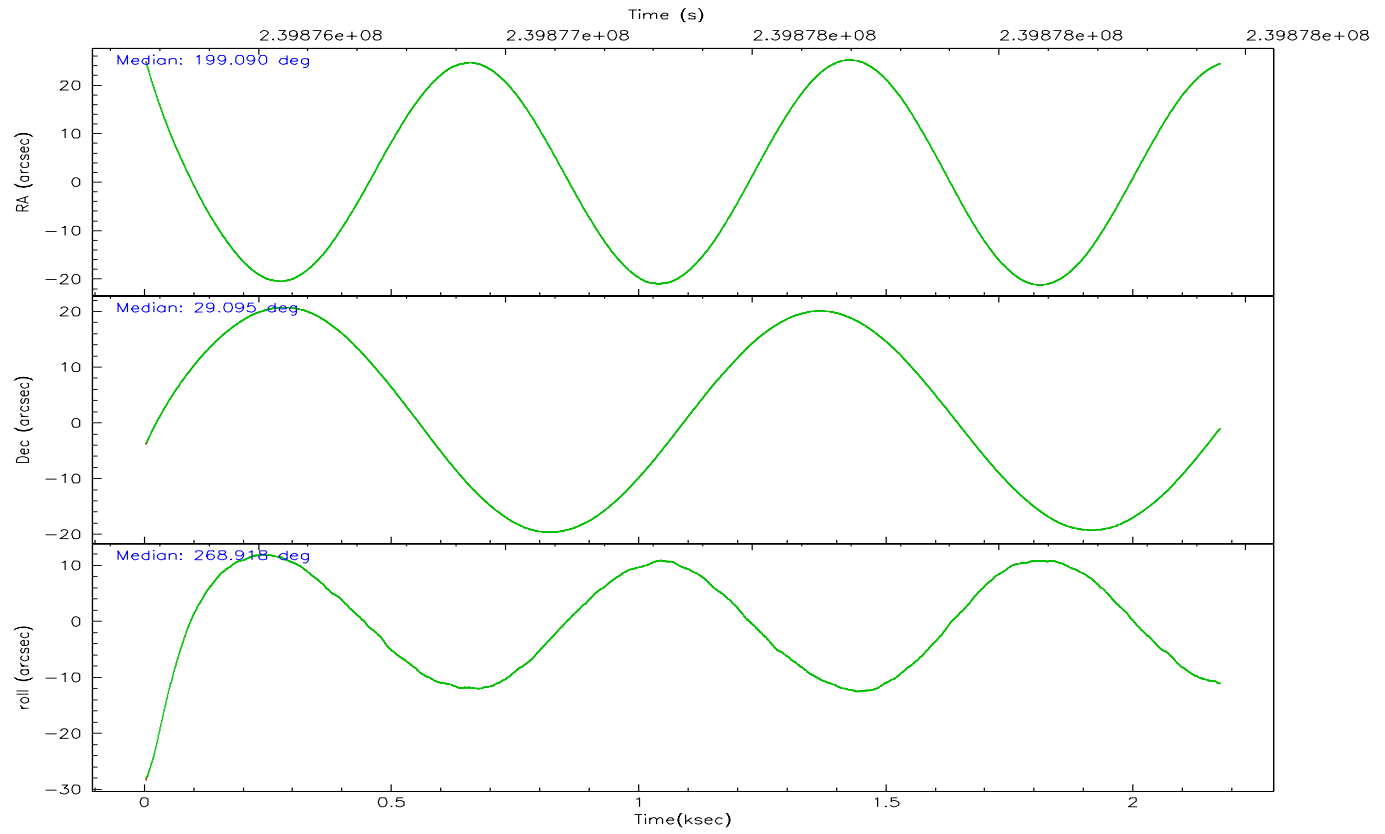
	segment 0
level 1 events	464187
rejected events	142809
rejected %	30%

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	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	199.074532	199.0898774020707			
Pointing Dec	29.118598	29.09519484068112			
Pointing Roll	269.024592	268.9215157241139			
Window start time	233971264.184000	233971264.184000			
Window stop time	241833664.184000	241833664.184000			
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	239876450.184000	239875460.67357			
Observation start date	2005-08-08T08:19:46	2005-08-08T08:04:20			
Observation end time	239878449.184000	239878643.29872			
Observation end date	2005-08-08T08:53:05	2005-08-08T08:57:23			

2.3 Aspect



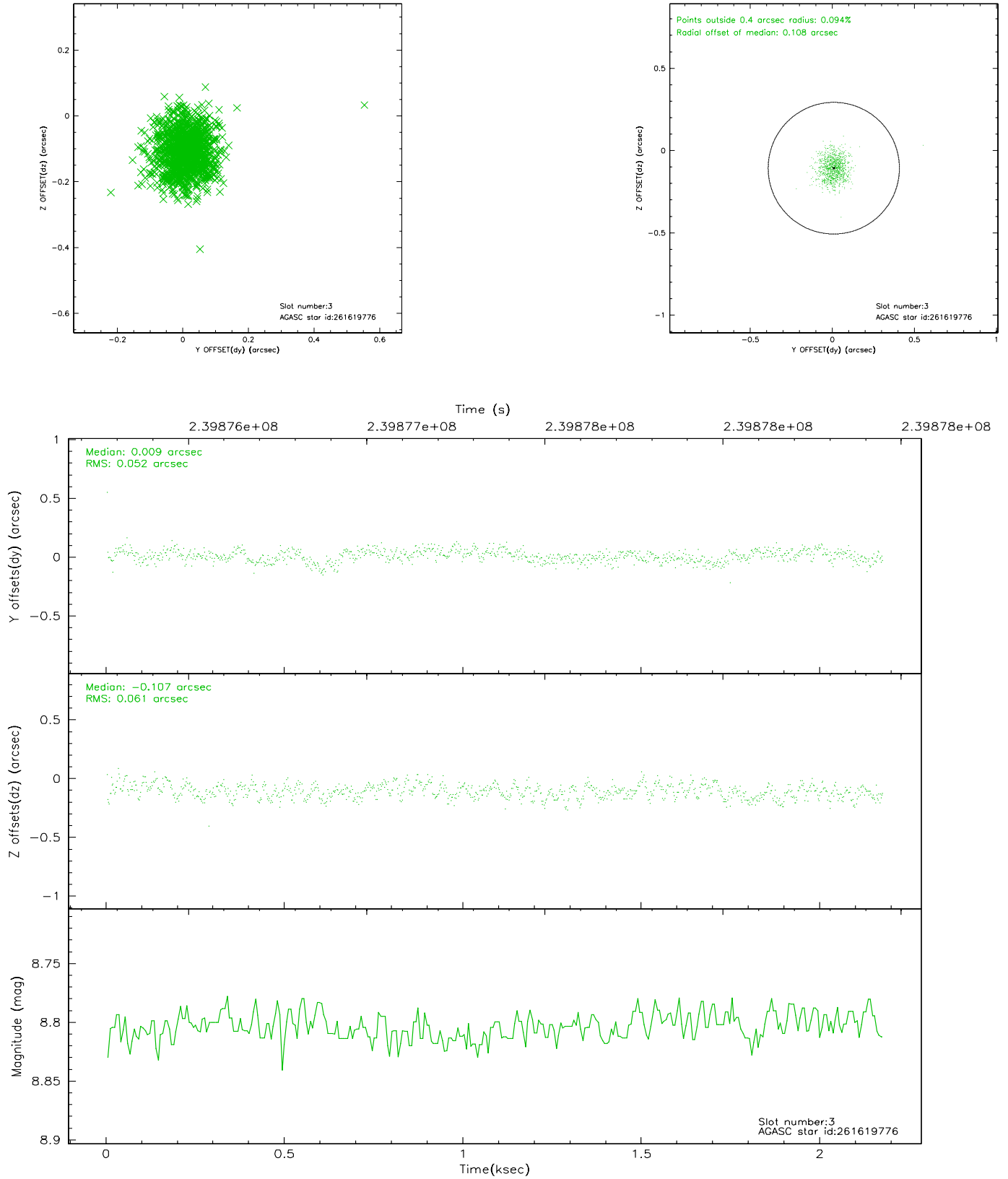


Slot Statistics

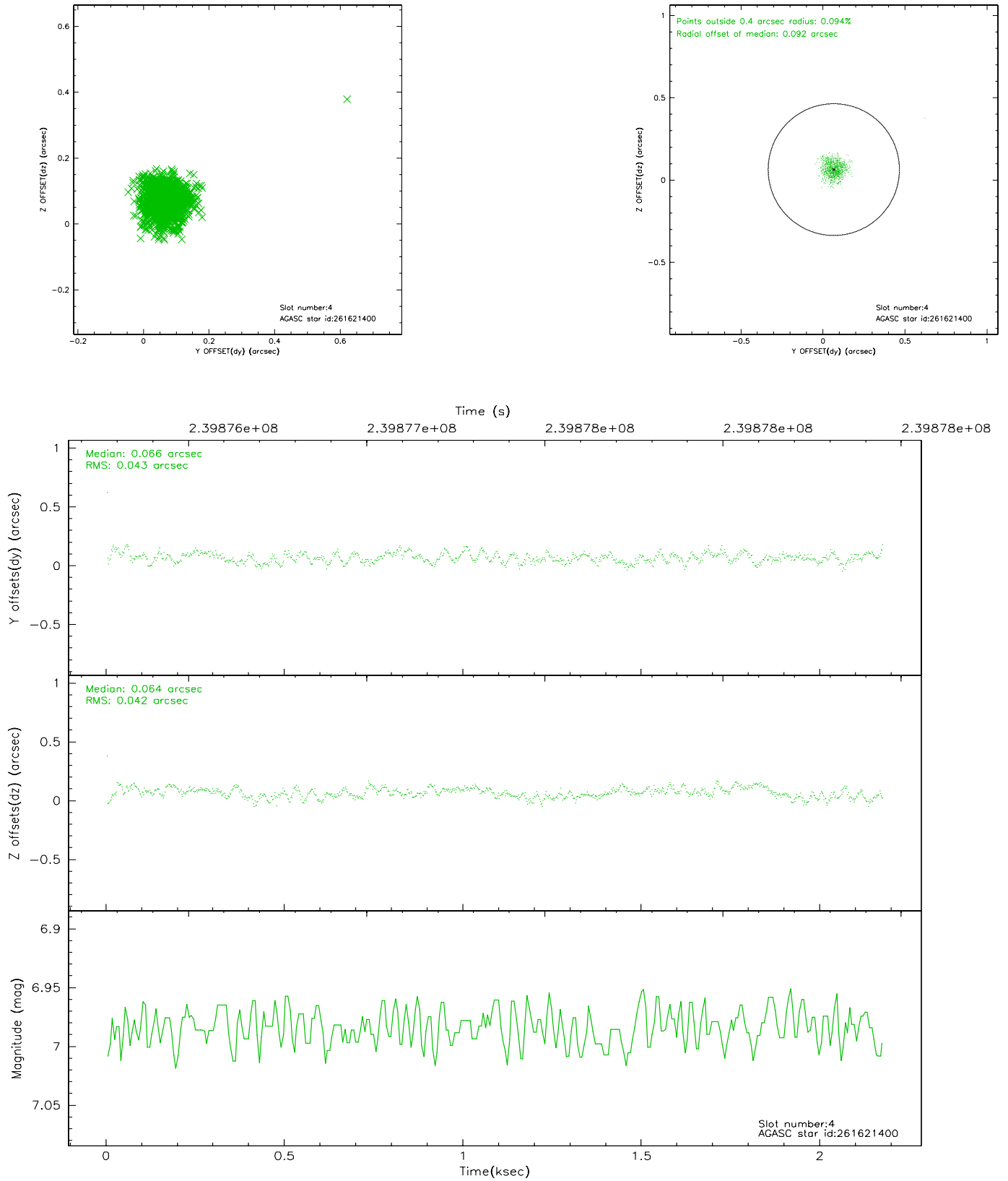
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	531	0.091	-0.065	0.008	0.011	0.000000	0.000000	848.89	-1297.94
1	FID	HRC-I-3	7.05	531	-0.065	0.025	0.007	0.012	0.000000	0.000000	-1190.77	1005.85
2	FID	HRC-I-4	6.99	531	0.093	-0.047	0.006	0.009	0.000000	0.000000	1276.83	1007.71
3	GUIDE	261619776	8.80	1060	0.009	-0.107	0.084	0.134	198.654383	29.401174	-996.54	-1333.77
4	GUIDE	261621400	6.98	1061	0.066	0.064	0.062	0.098	198.901600	28.741982	1363.88	-522.99
5	GUIDE	261624456	7.31	1060	0.099	0.110	0.064	0.098	199.758056	28.567828	1940.42	2194.86
6	GUIDE	261626352	8.60	1061	-0.209	-0.096	0.078	0.125	198.417097	29.781420	-2355.14	-2092.60
7	GUIDE	261623040	9.12	1060	0.034	0.032	0.086	0.145	198.792686	29.757643	-2288.21	-920.99

2.4 Star Slots

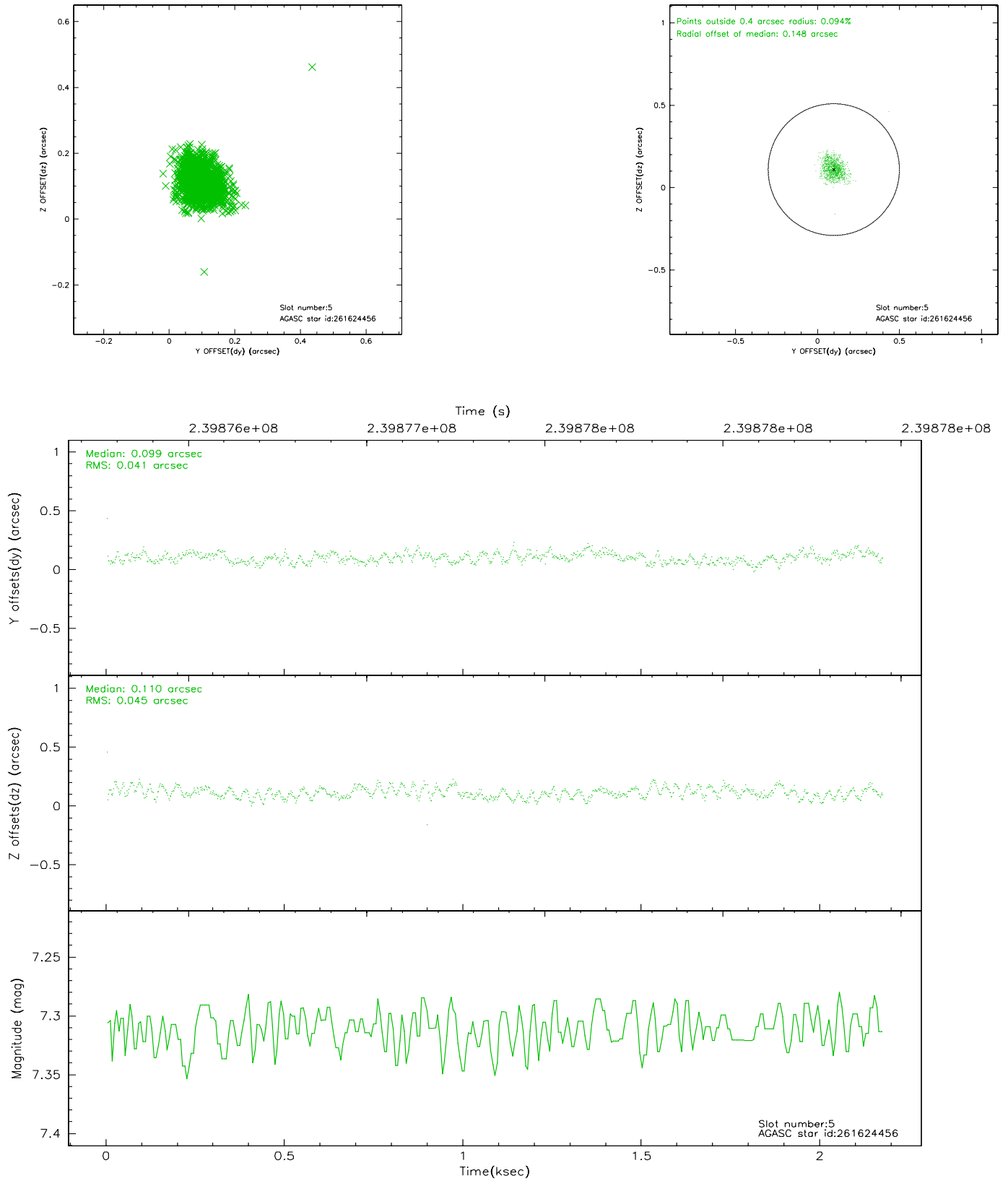
2.4.1 Slot 3



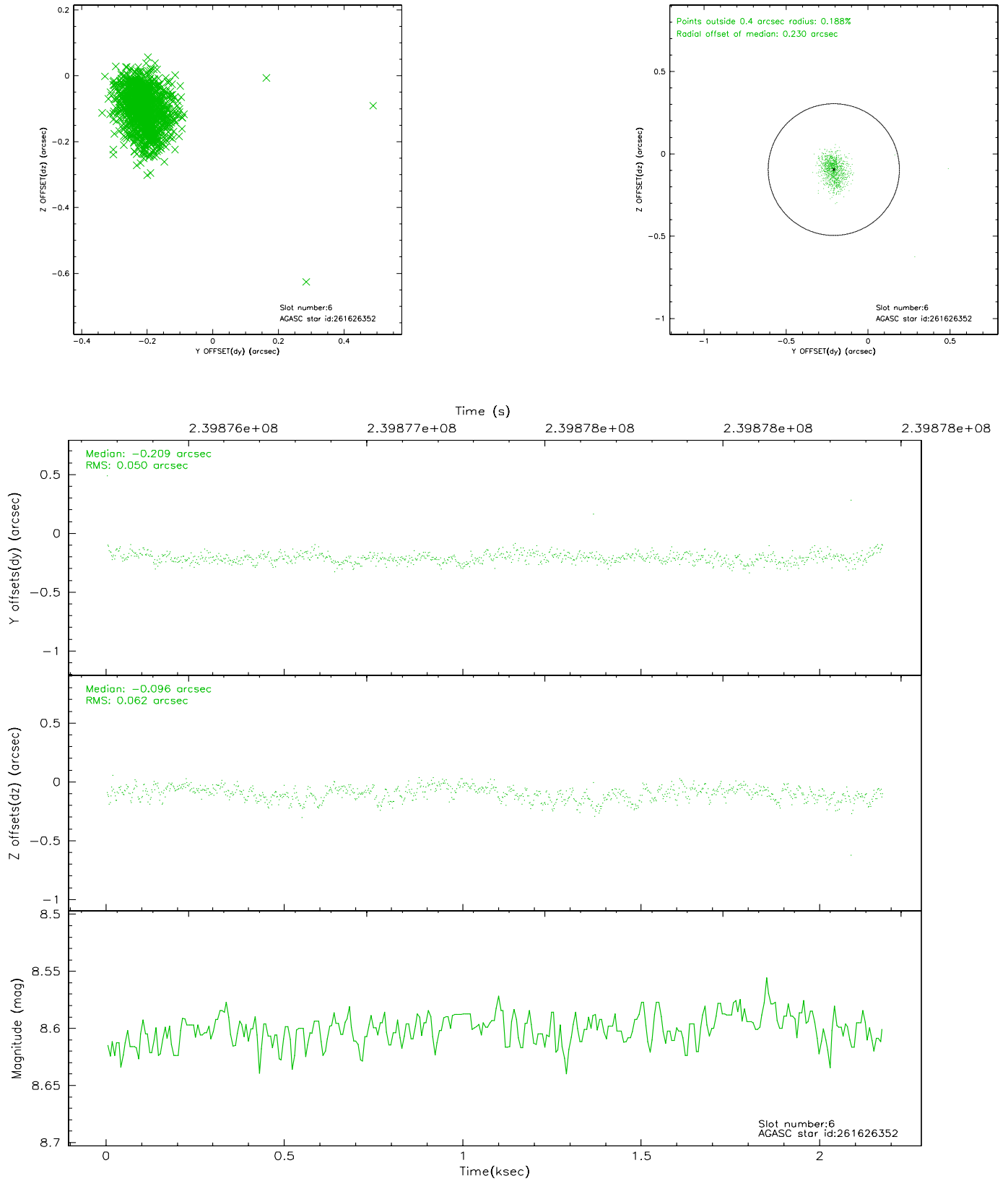
2.4.2 Slot 4



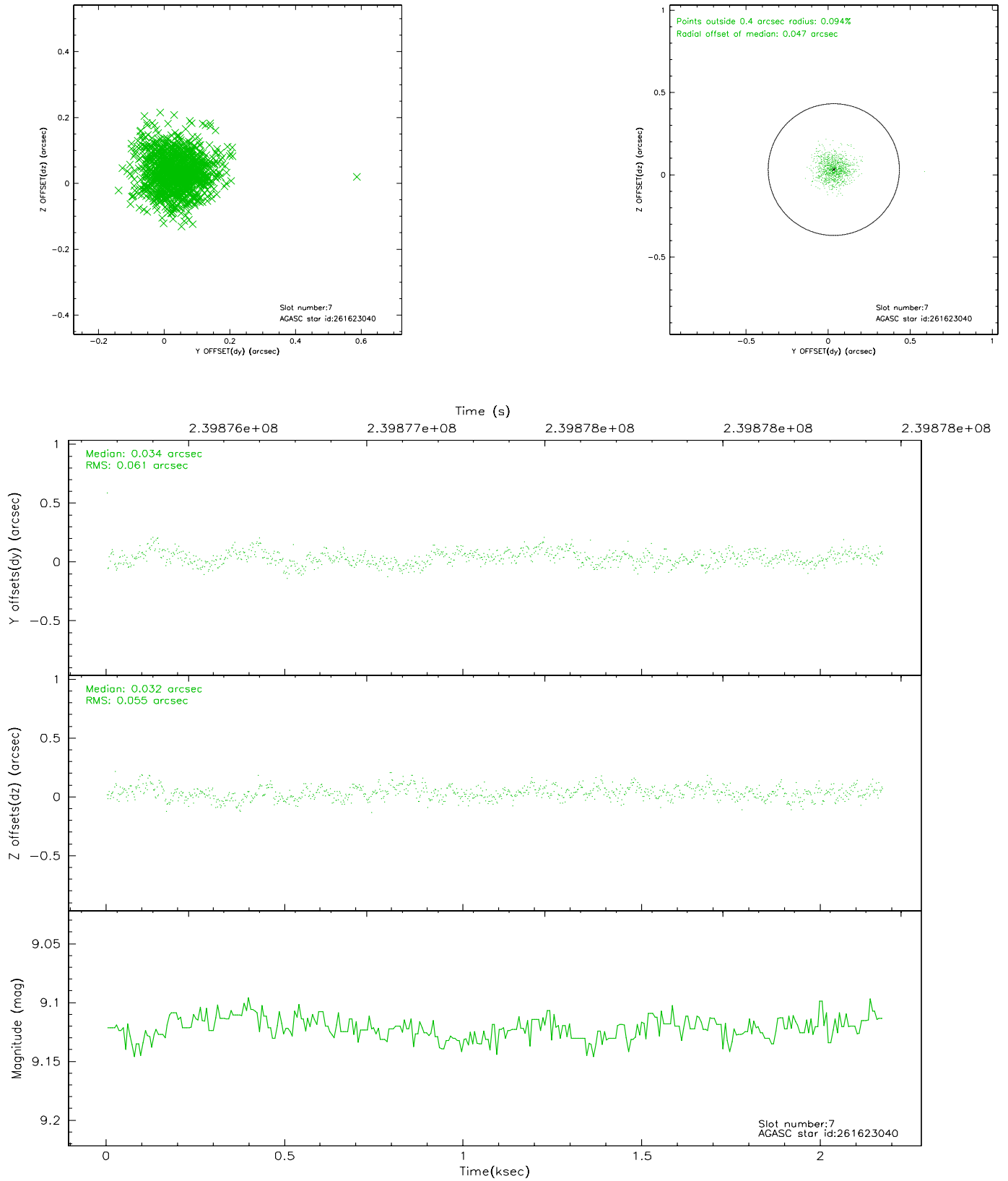
2.4.3 Slot 5



2.4.4 Slot 6

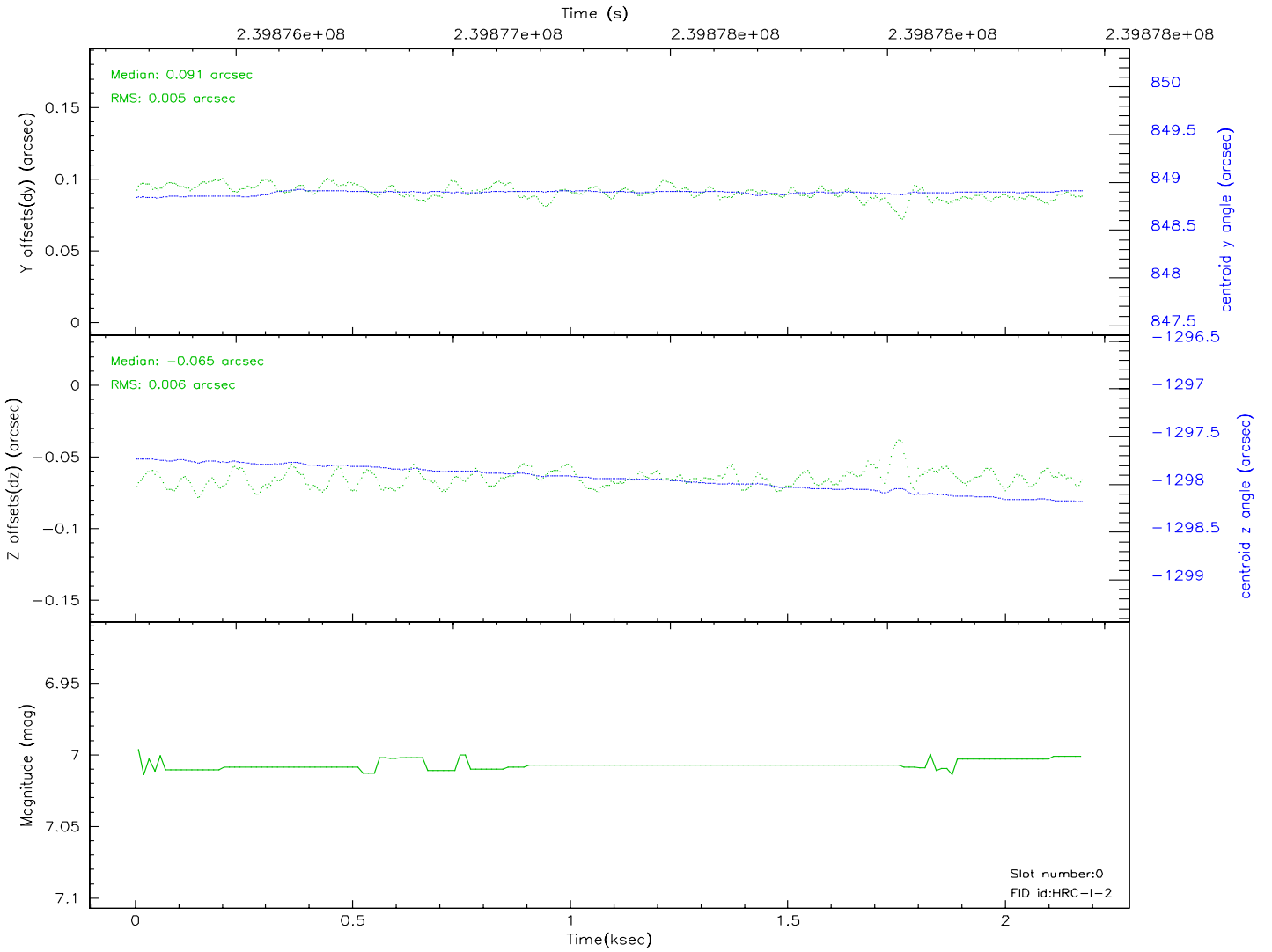
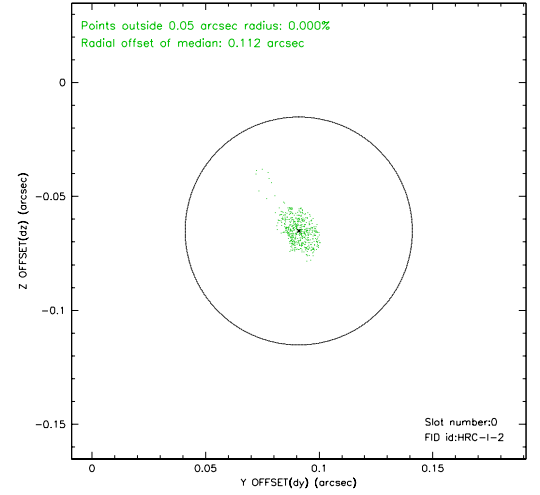
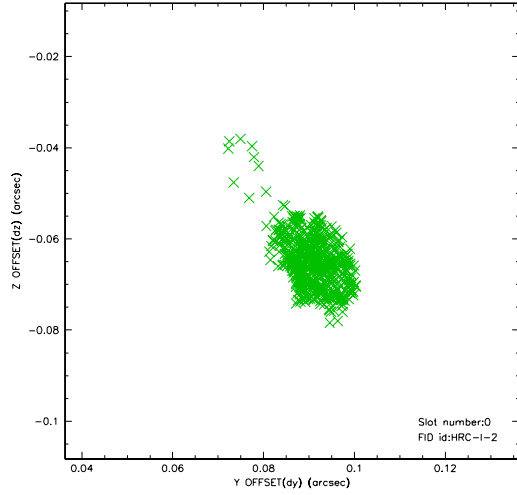


2.4.5 Slot 7

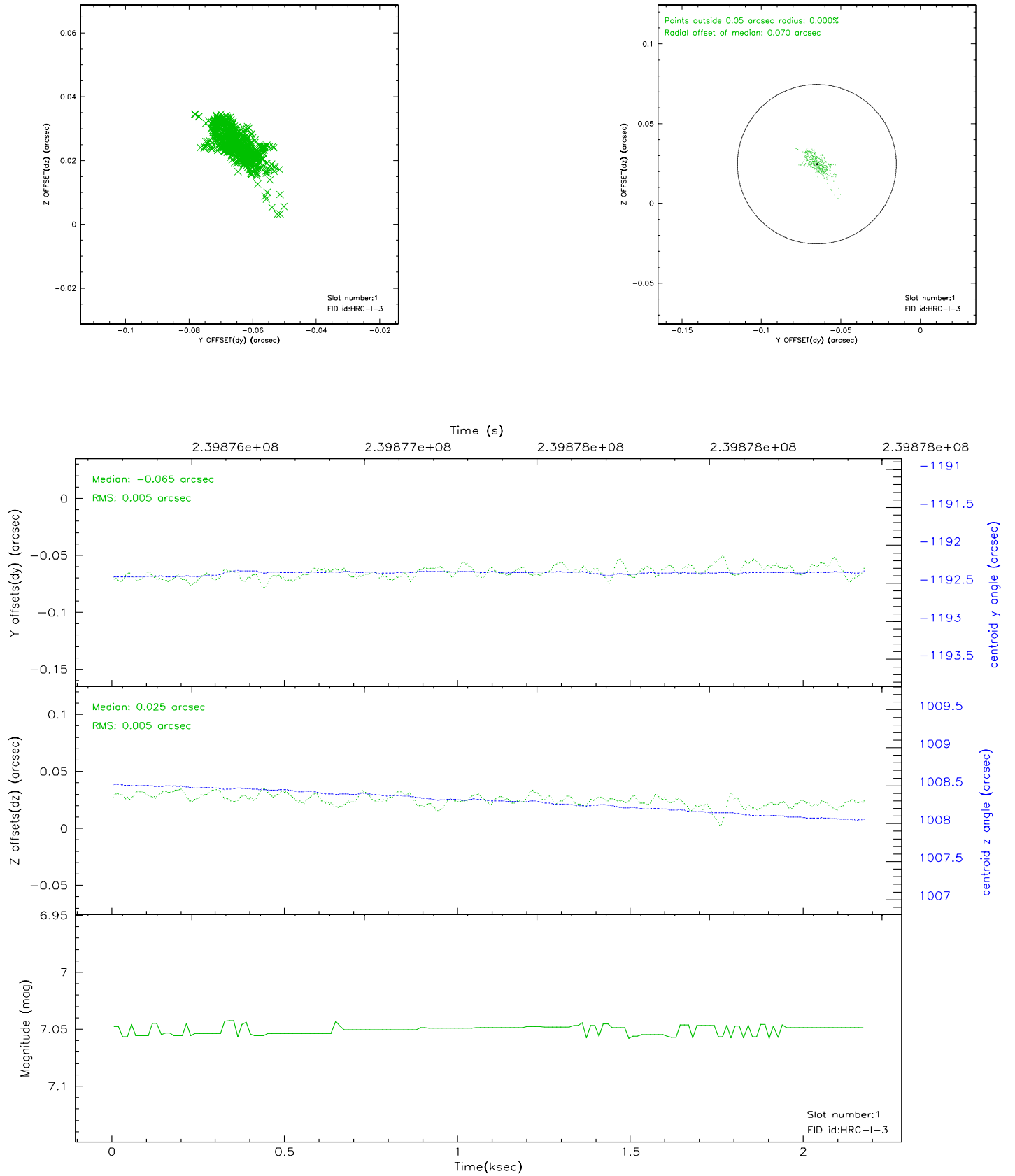


2.5 FID Slots

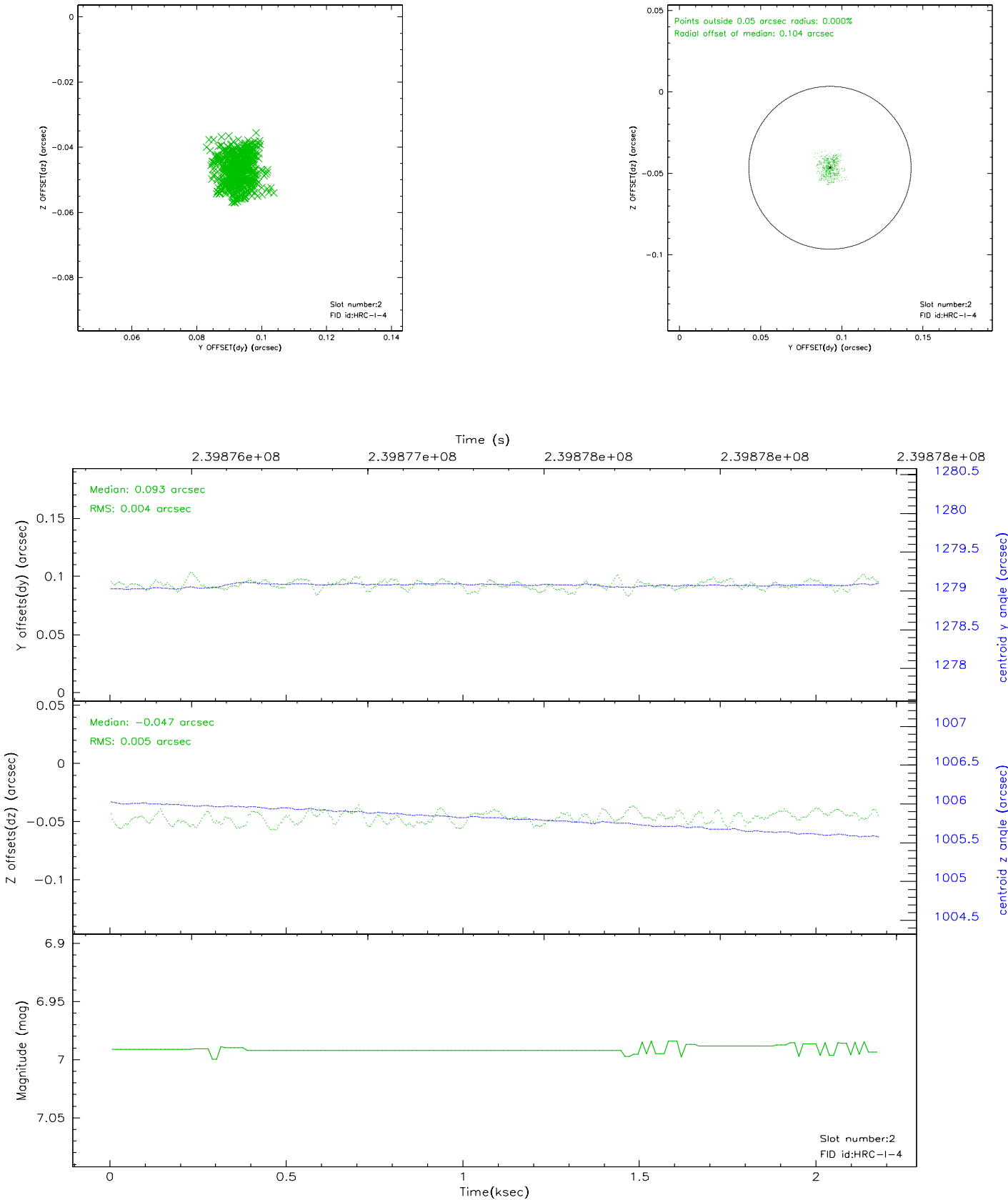
2.5.1 Slot 0



2.5.2 Slot 1

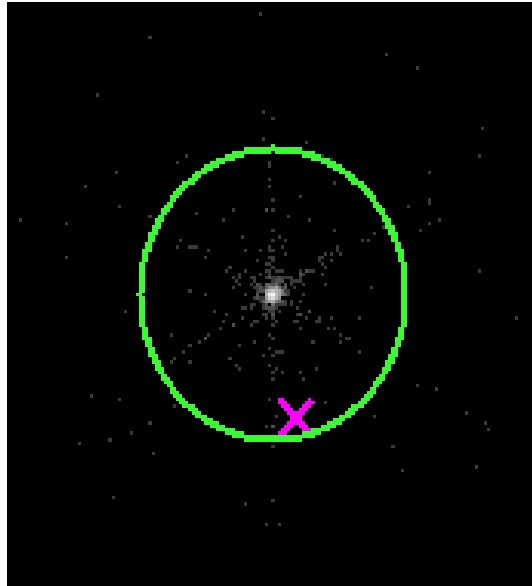


2.5.3 Slot 2

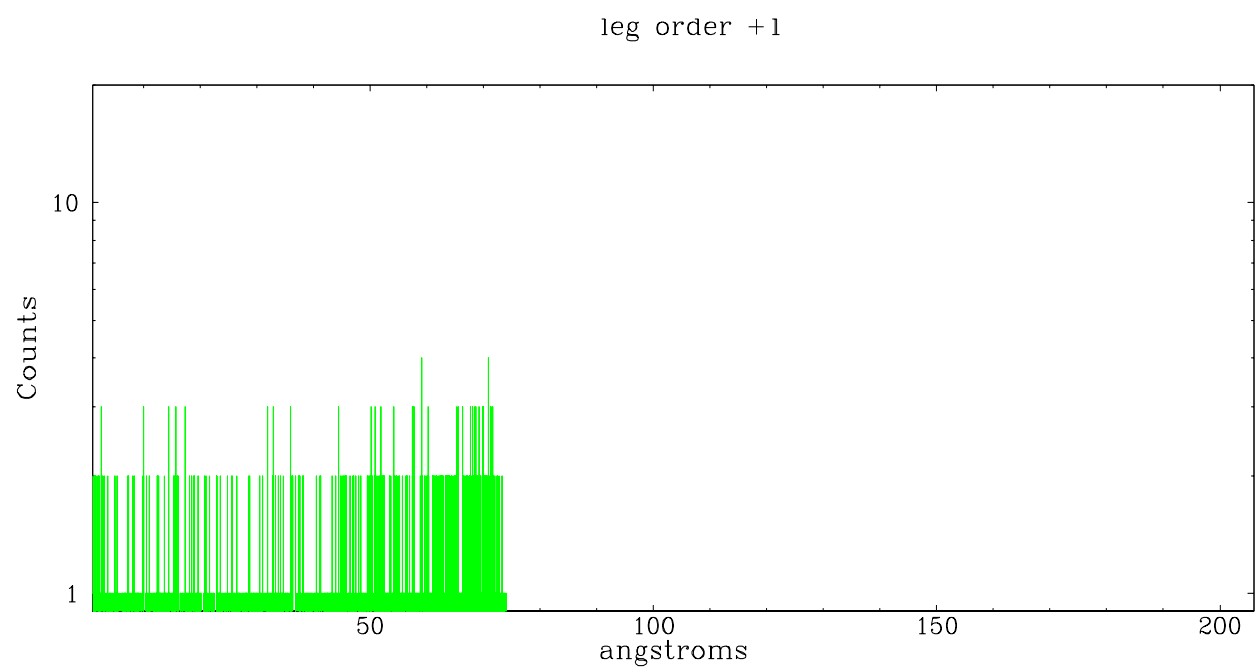
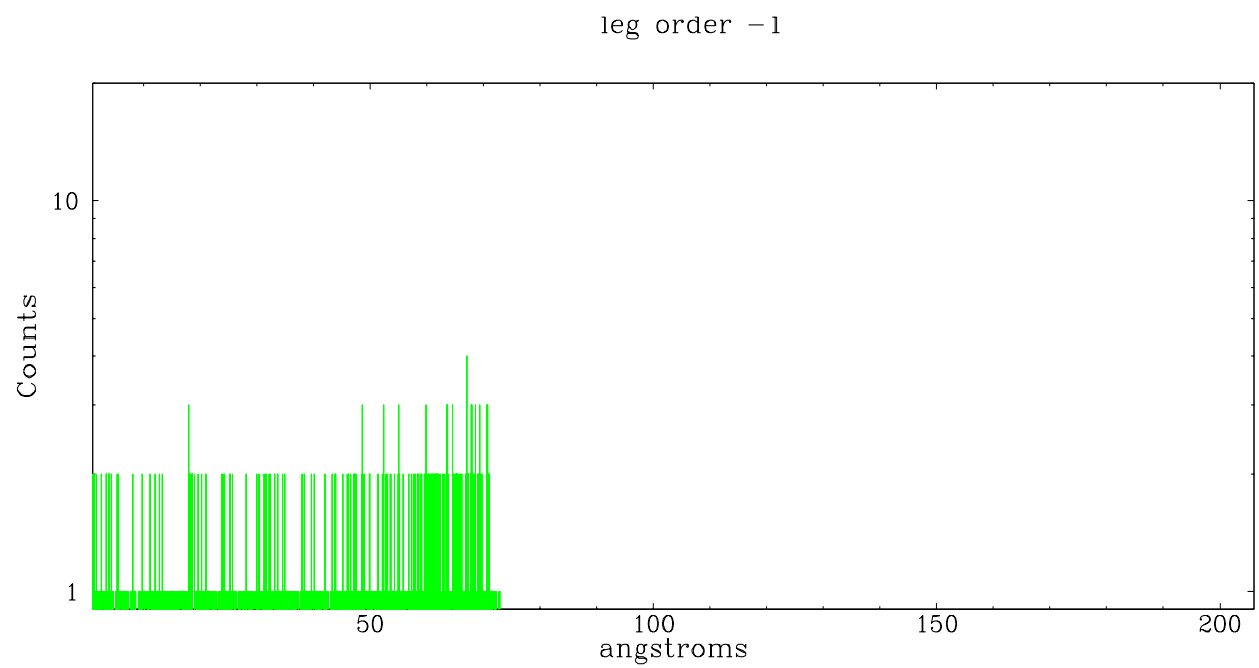


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17223

A.2 Comments

Window constraint met. High count rate from about 0.8 to 1.5 ksec into the observation, apparently due to radiation elevation during this period.

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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.