

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2602 - L2 Version 3
Chandra X-Ray Center

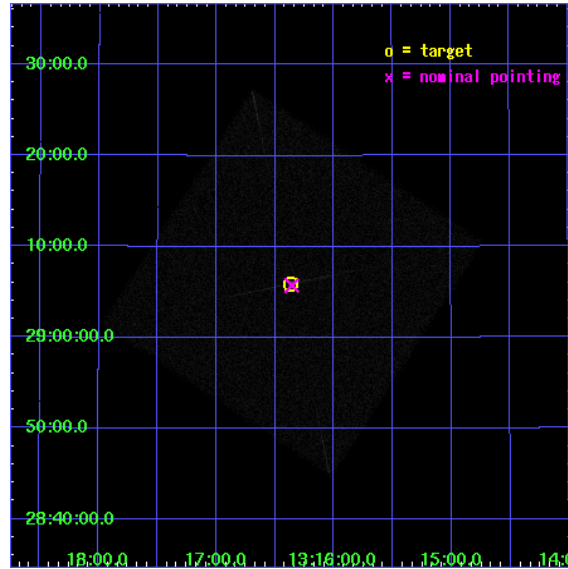
L2 Processing Date : Nov 21 2007

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1 Front

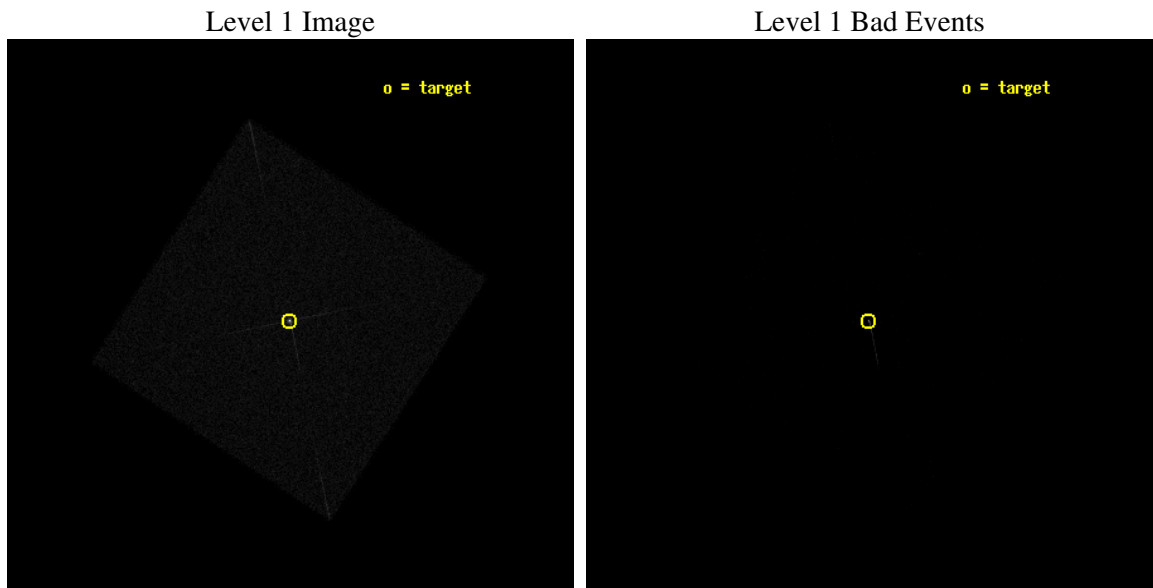
seq_num	290158
obs_id	2602
title	AO3 LETG/HRC-I CALIBRATION OBSERVATIONS OF HZ43
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.08911167878
dec_nom	29.095622152161
roll_nom	258.2307854519
revision	3
ontime	1893.4313278794
livetime	1877.5377332274
l2events	122330



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	2007-11-21T22:39:46
revision	3

sched_exp_time	2000.000000
ontime	1893.4313278794
l1events	189241

2.1.3 Events

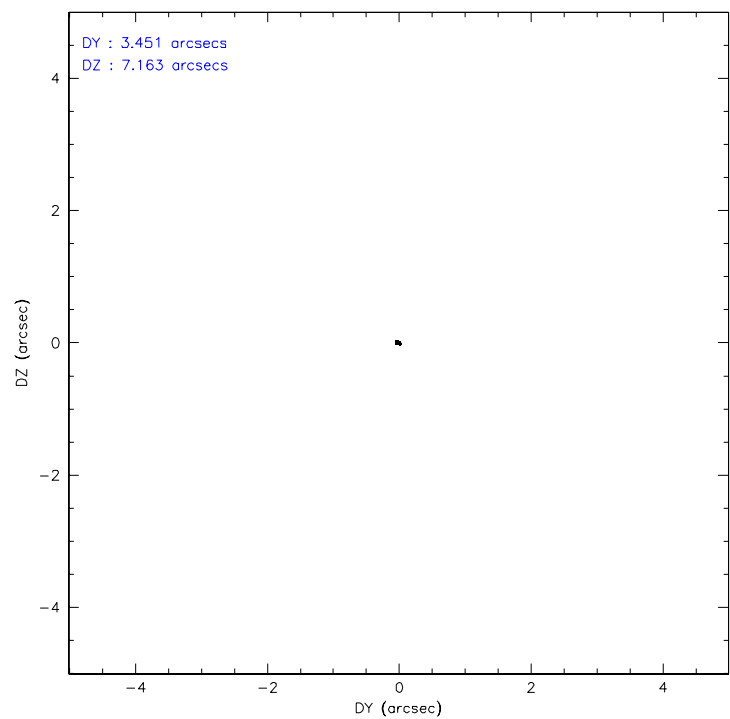
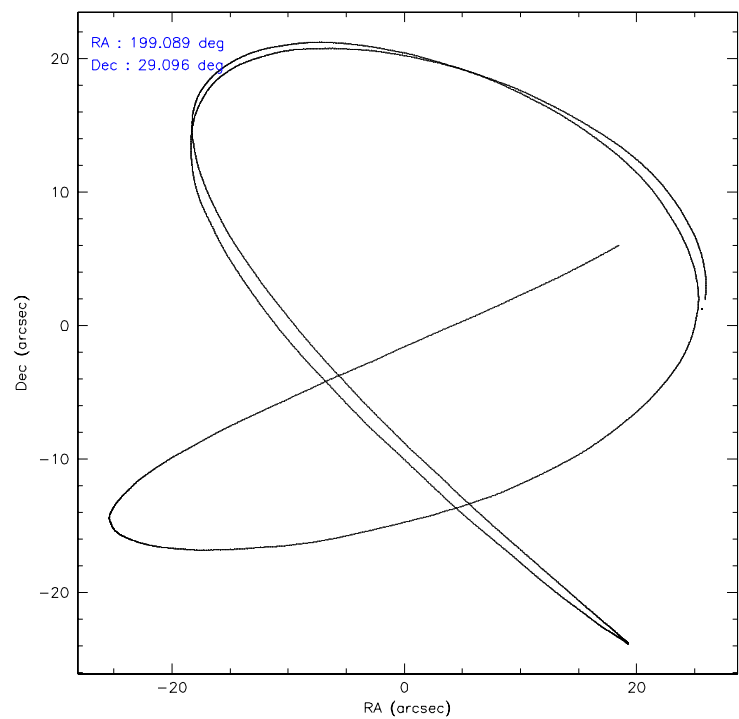
Level 1 Events

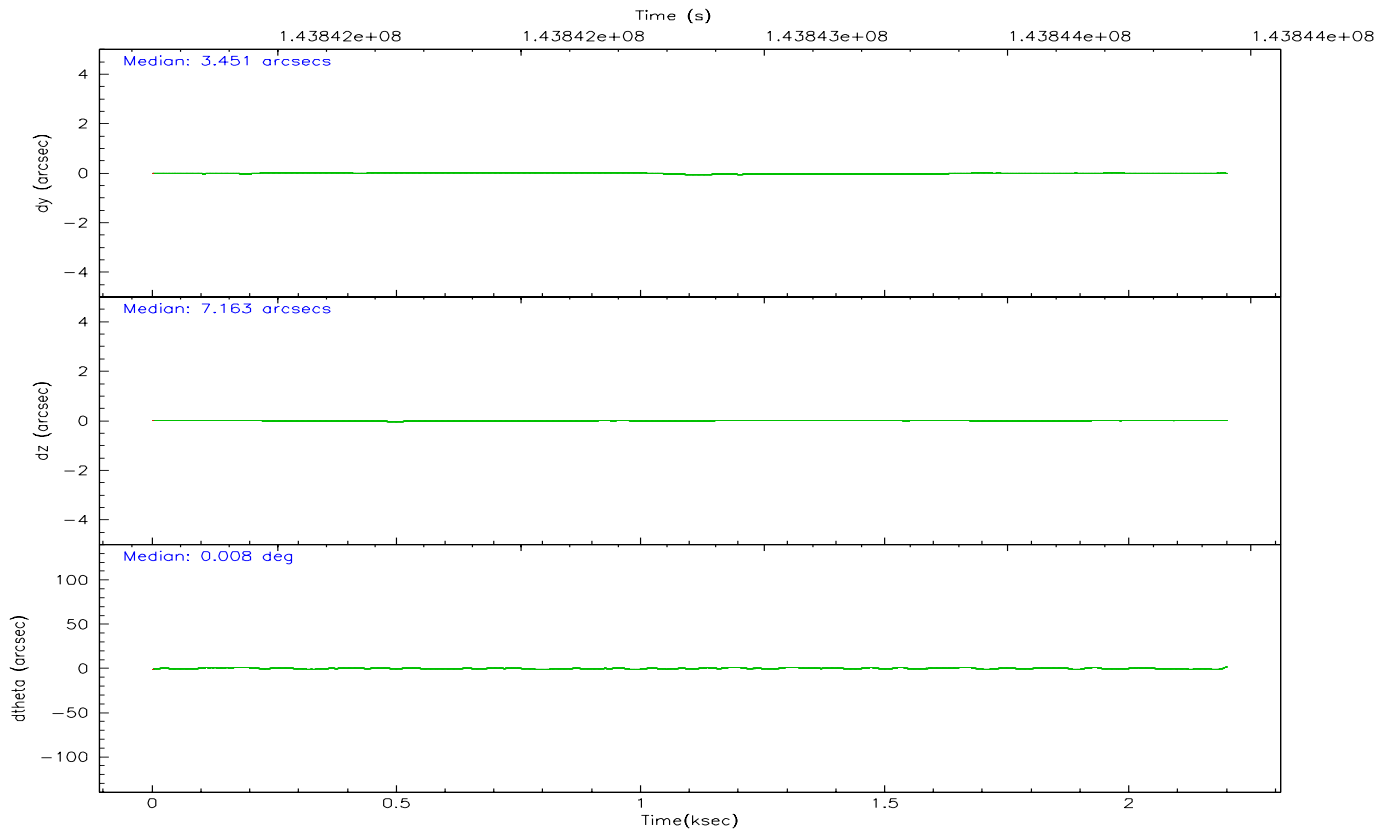
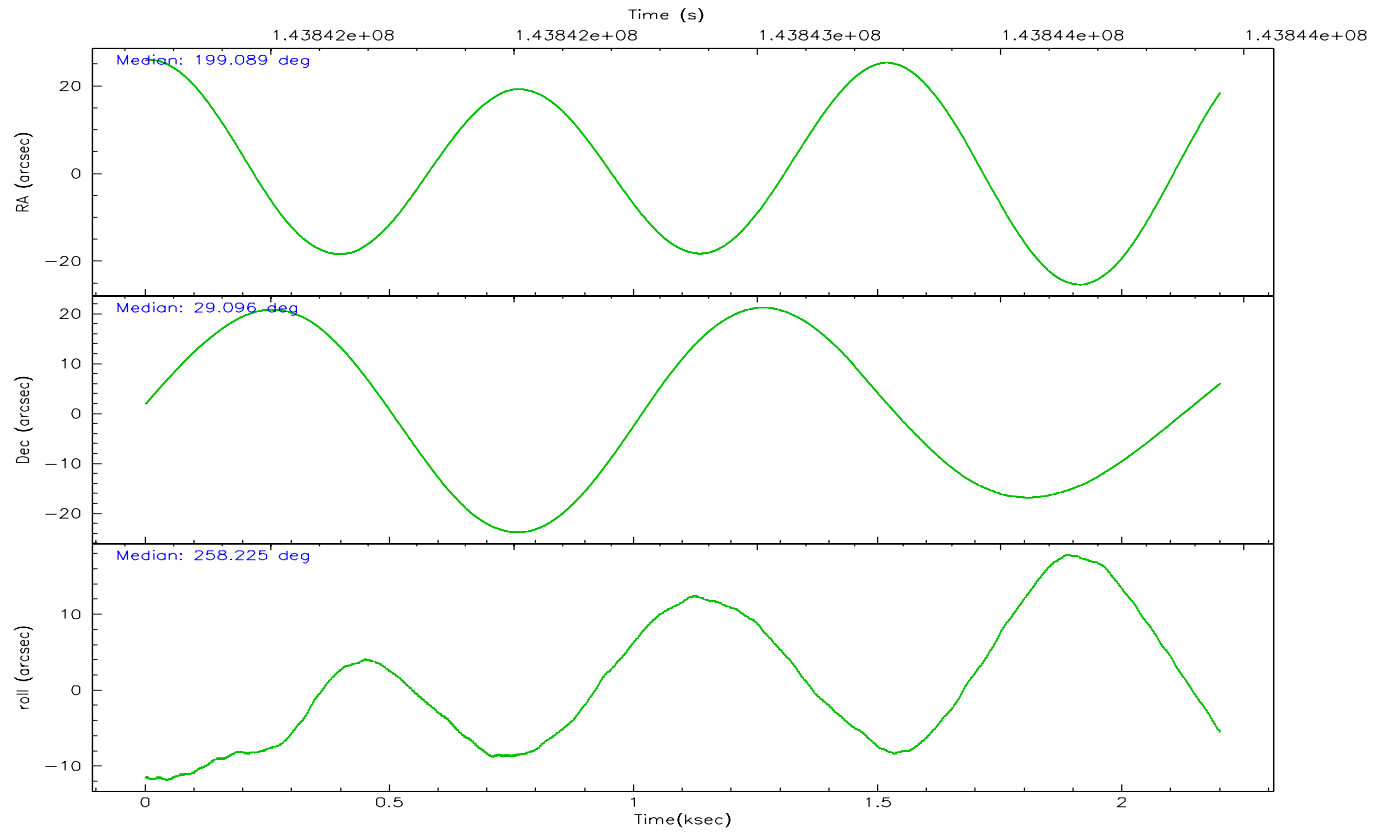
	segment 0
level 1 events	189241
rejected events	26319
rejected %	13%

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	199.078998	199.0891116787761			
Pointing Dec	29.121109	29.09562215216109			
Pointing Roll	258.331211	258.2307854518994			
Window start time	141868864.184000	141868864.184000			
Window stop time	144460864.184000	144460864.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	143841946.184000	143841534.20247			
Observation start date	2002-07-23T20:04:42	2002-07-23T19:58:54			
Observation end time	143843946.184000	143844101.31507			
Observation end date	2002-07-23T20:38:02	2002-07-23T20:41:41			

2.3 Aspect



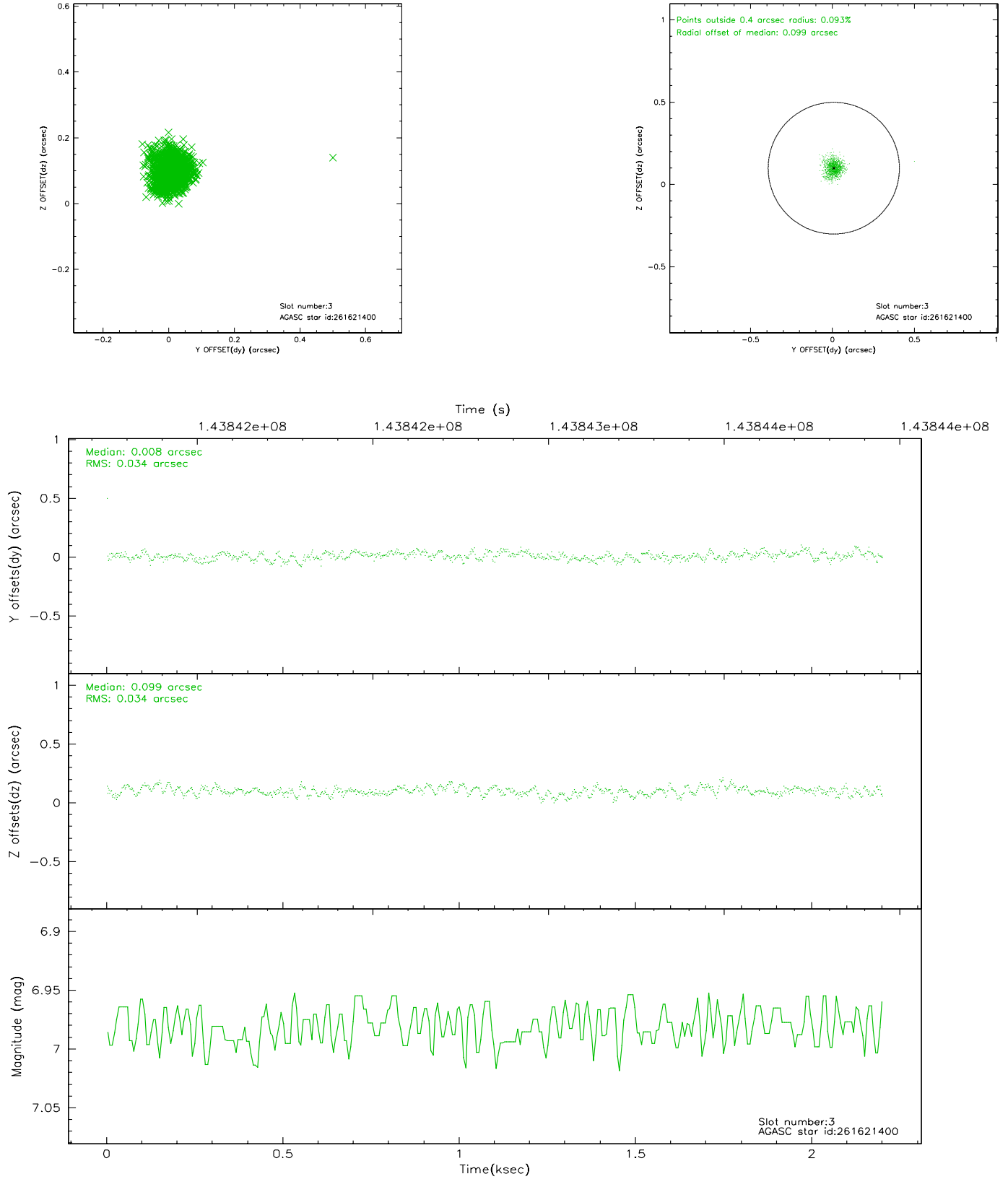


Slot Statistics

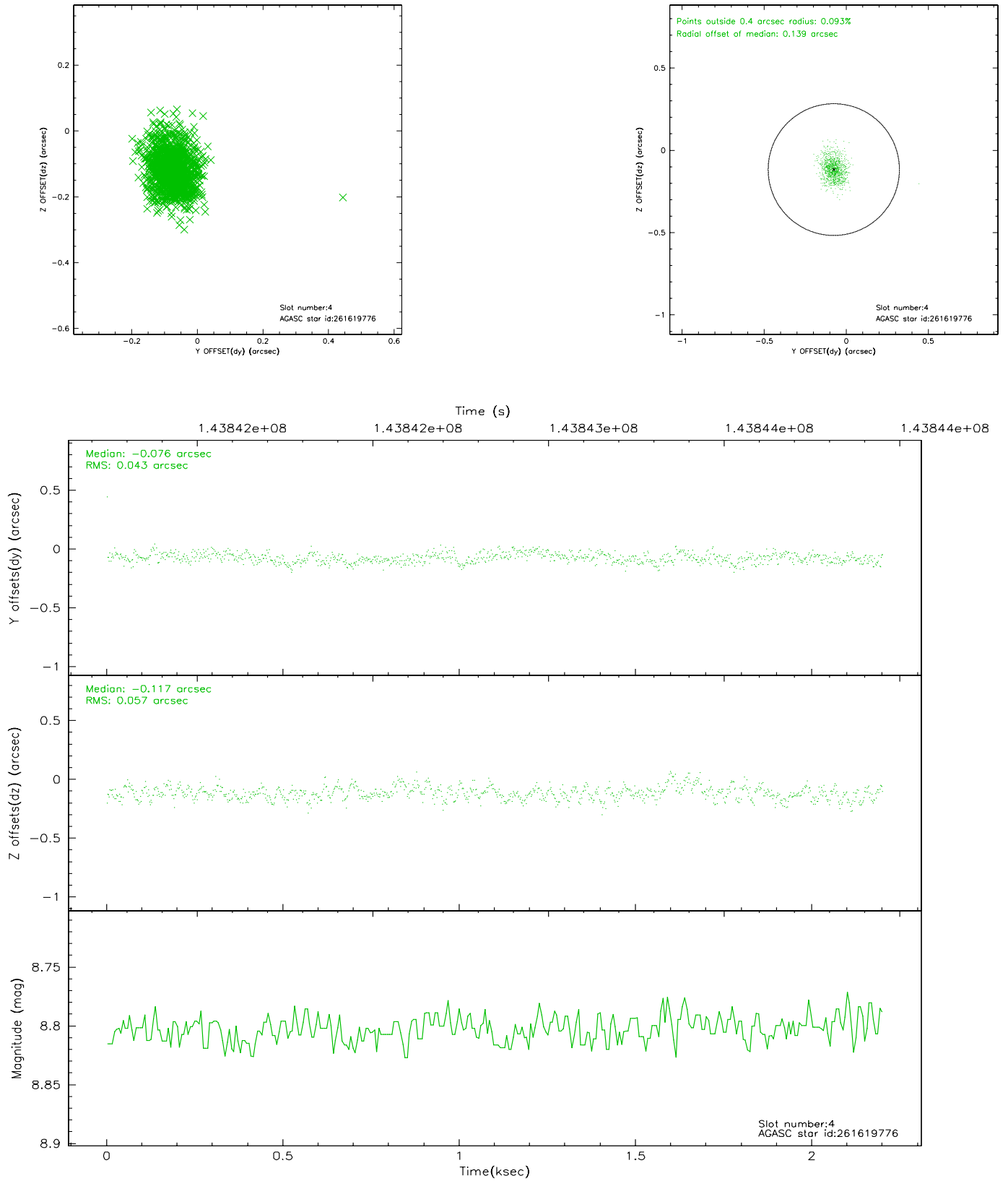
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	537	0.017	0.025	0.007	0.010	0.000000	0.000000	-758.90	-1295.05
1	FID	HRC-I-2	6.99	537	0.084	-0.067	0.005	0.009	0.000000	0.000000	852.39	-1299.10
2	FID	HRC-I-3	7.04	537	0.018	-0.048	0.006	0.010	0.000000	0.000000	-1185.82	1007.02
3	GUIDE	261621400	6.98	1074	0.008	0.099	0.048	0.079	198.901600	28.741982	1449.90	-271.03
4	GUIDE	261619776	8.80	1074	-0.076	-0.117	0.074	0.124	198.654383	29.401174	-718.56	-1507.66
5	GUIDE	261619992	9.33	1073	0.106	-0.030	0.091	0.148	198.395553	28.647634	2099.93	-1771.16
6	GUIDE	261623040	9.12	1072	-0.152	-0.021	0.070	0.117	198.792686	29.757643	-2062.00	-1340.68
7	GUIDE	261623624	9.13	1070	0.116	0.077	0.078	0.138	199.611555	28.454113	2005.31	2136.05

2.4 Star Slots

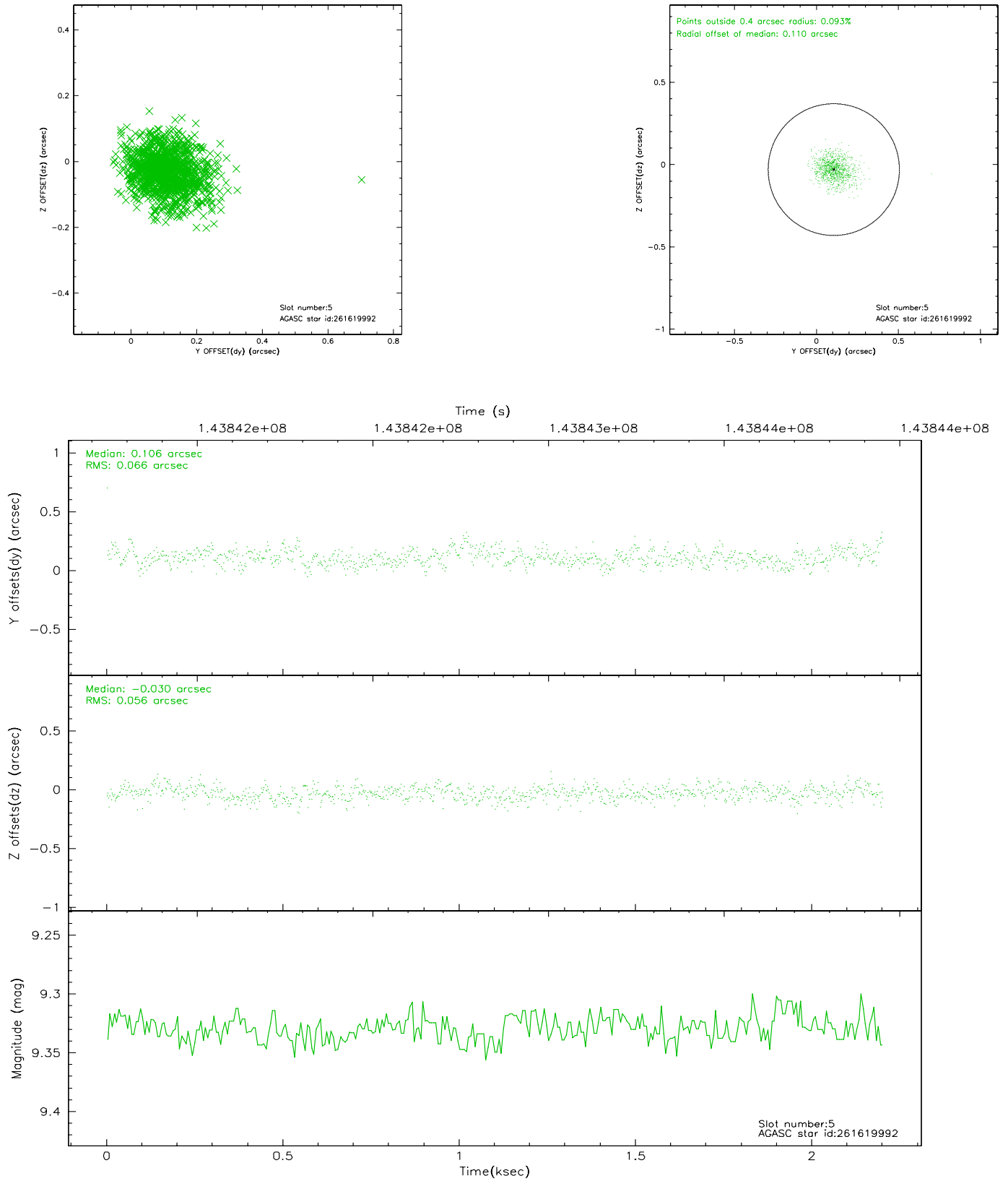
2.4.1 Slot 3



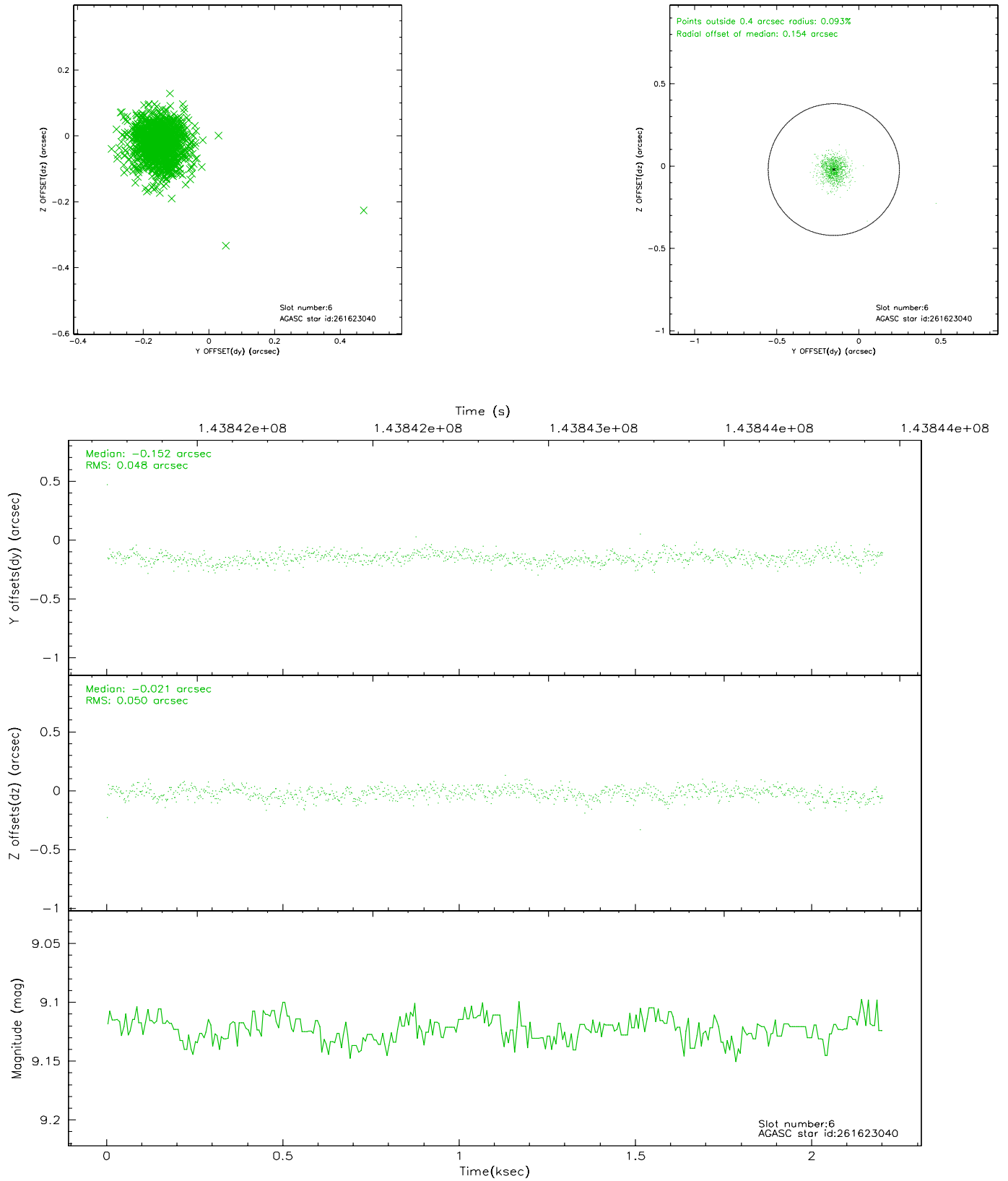
2.4.2 Slot 4



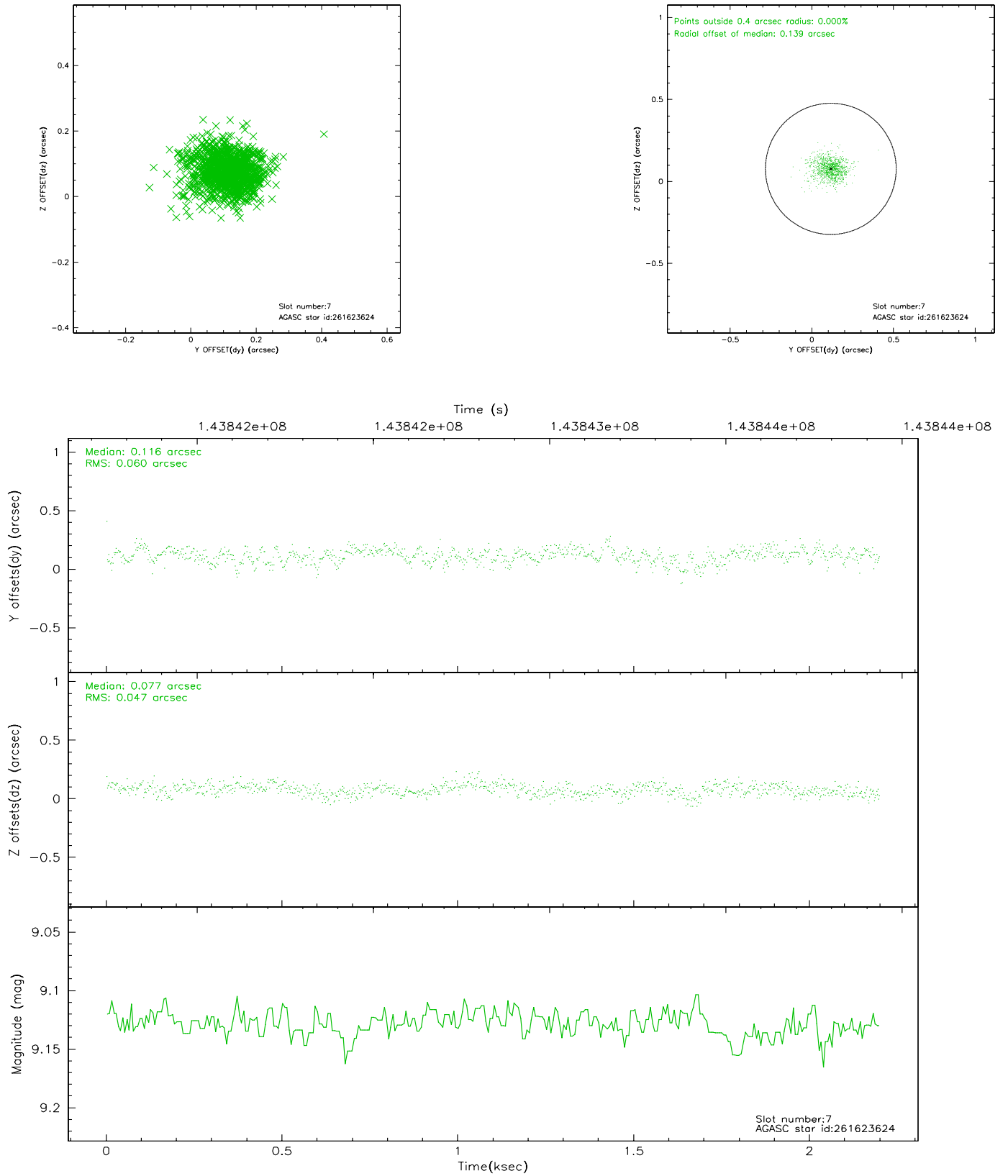
2.4.3 Slot 5



2.4.4 Slot 6

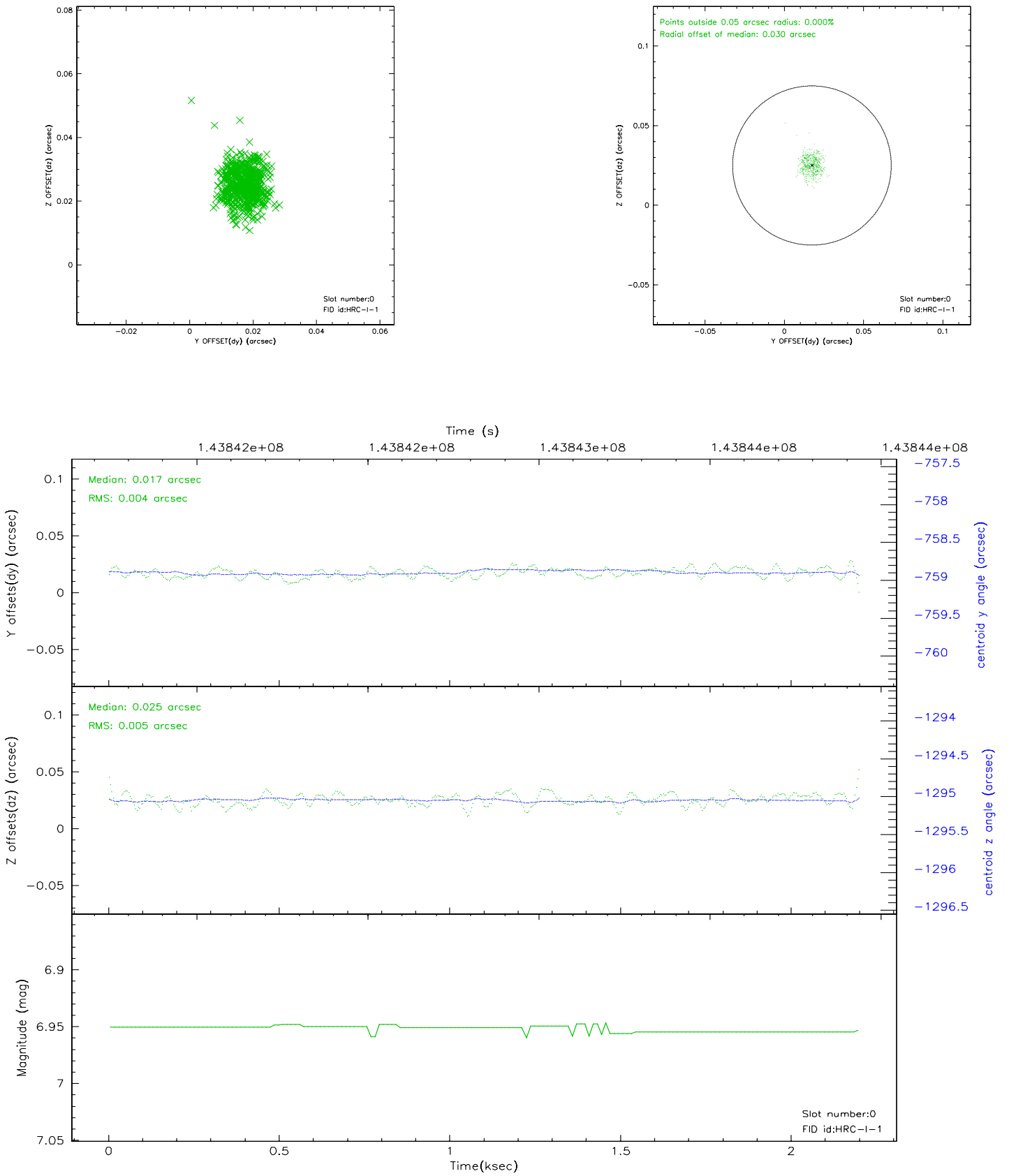


2.4.5 Slot 7

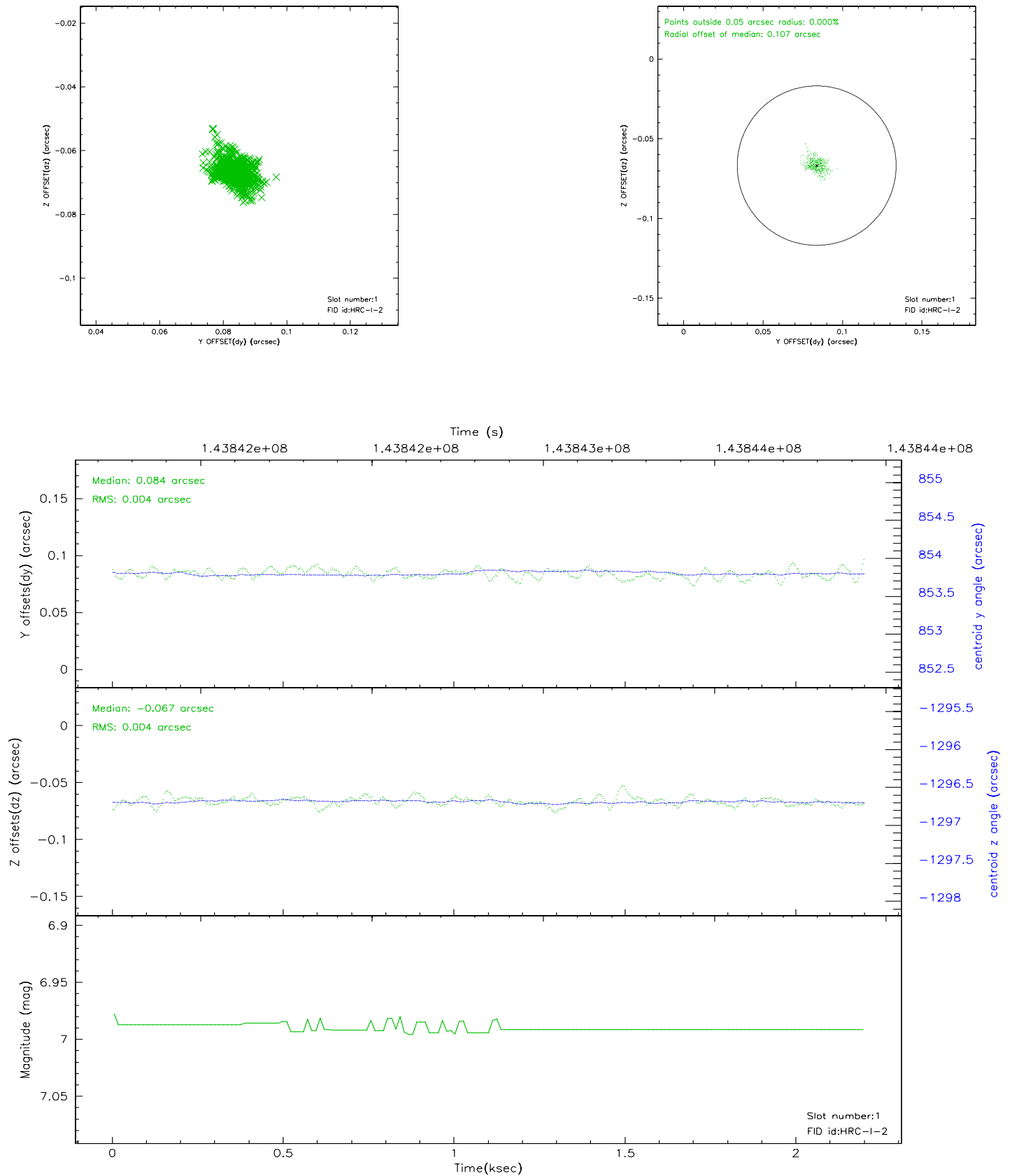


2.5 FID Slots

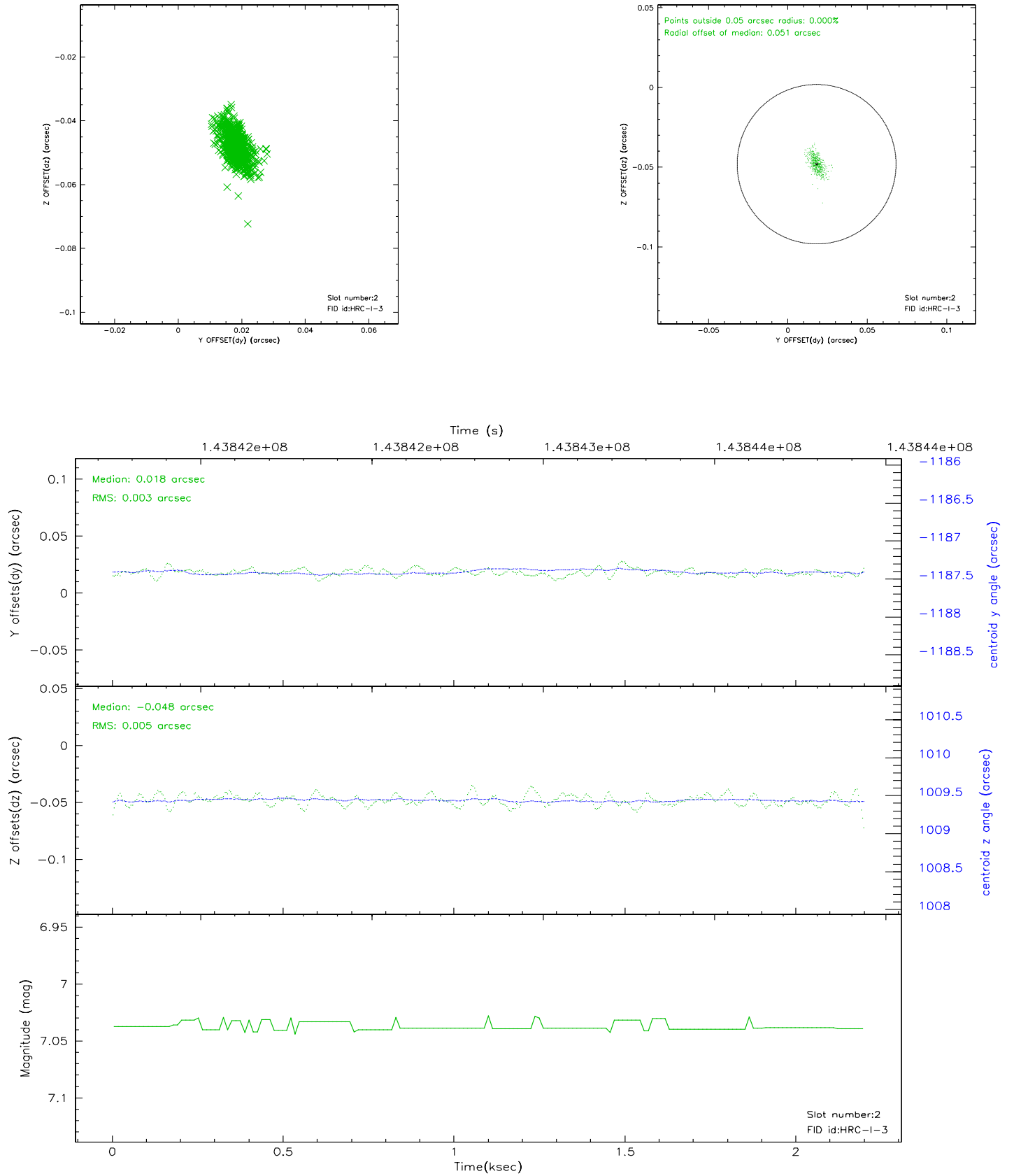
2.5.1 Slot 0



2.5.2 Slot 1

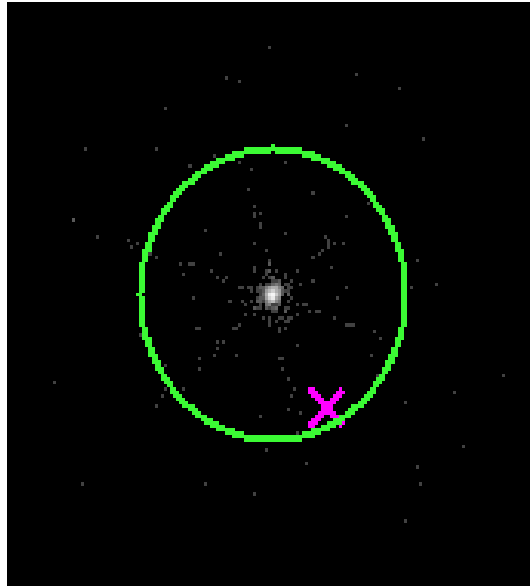


2.5.3 Slot 2

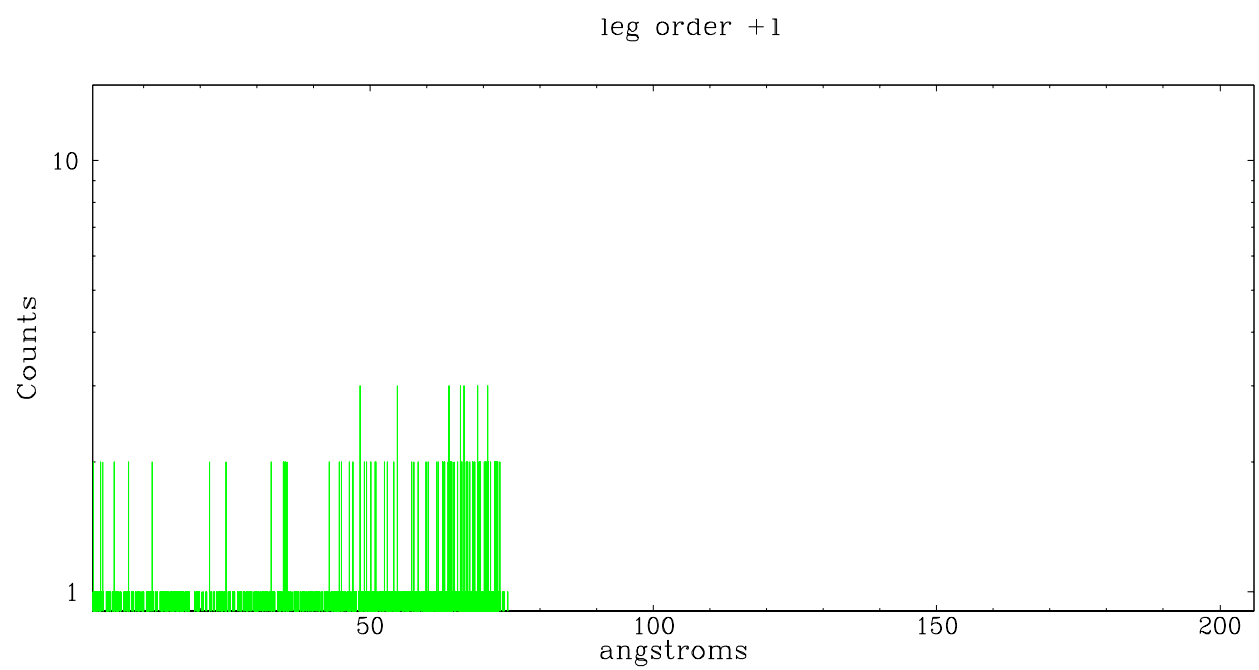
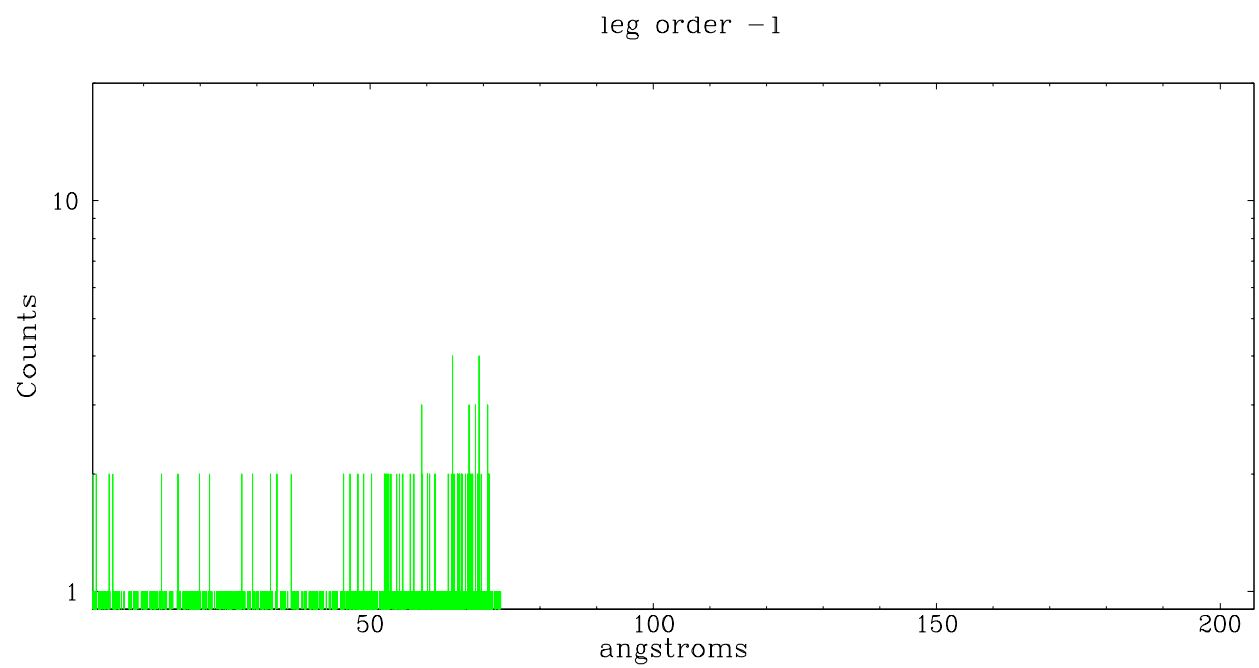


3 Gratings

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	1.893

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