

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1001 - L2 Version 3
Chandra X-Ray Center

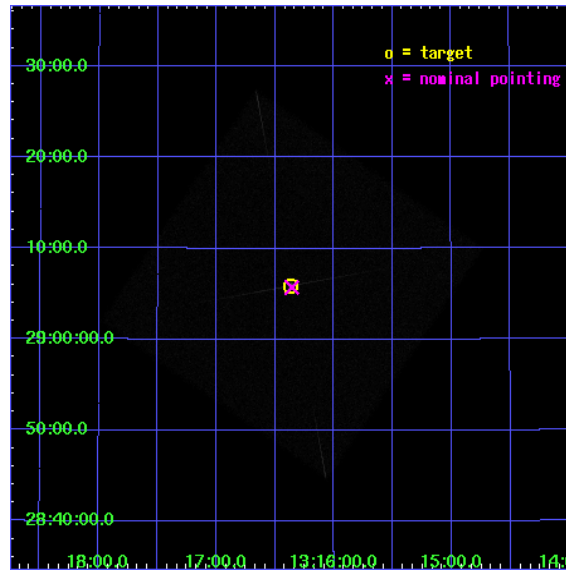
L2 Processing Date : Nov 20 2007

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1 Front

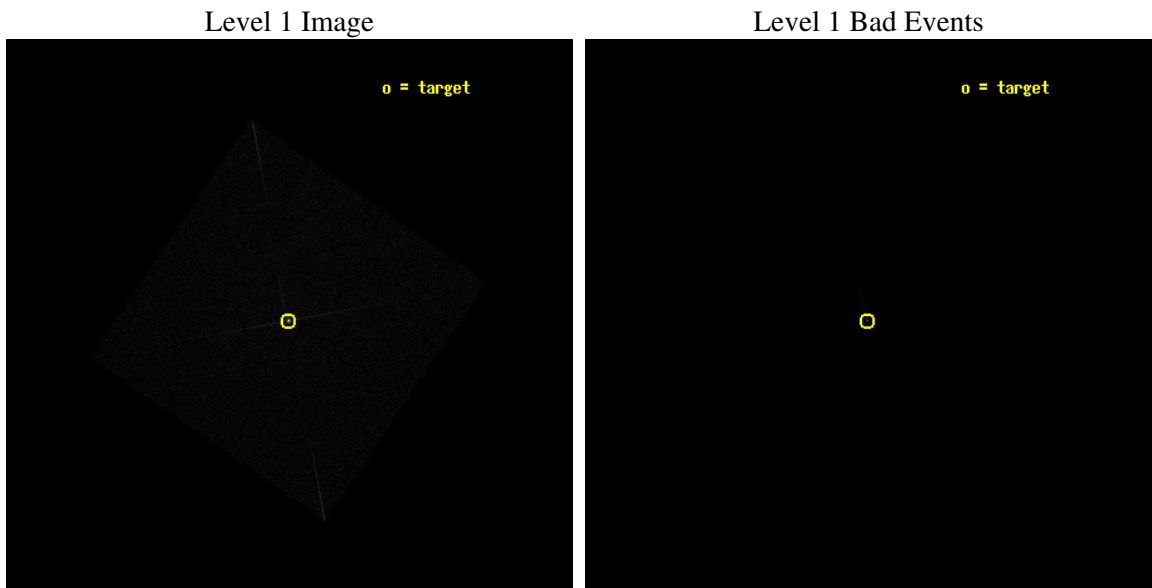
seq_num	290082
obs_id	1001
title	LETG/HRC-I CALIBRATION OBSERVATIONS OF HZ43
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.08944257212
dec_nom	29.095459734427
roll_nom	259.42510832454
revision	3
ontime	4972.531445235
livetime	4940.3233360852
l2events	204773



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	2007-11-20T17:42:54
revision	3

sched_exp_time	5100.000000
ontime	4972.531445235
l1events	298782

2.1.3 Events

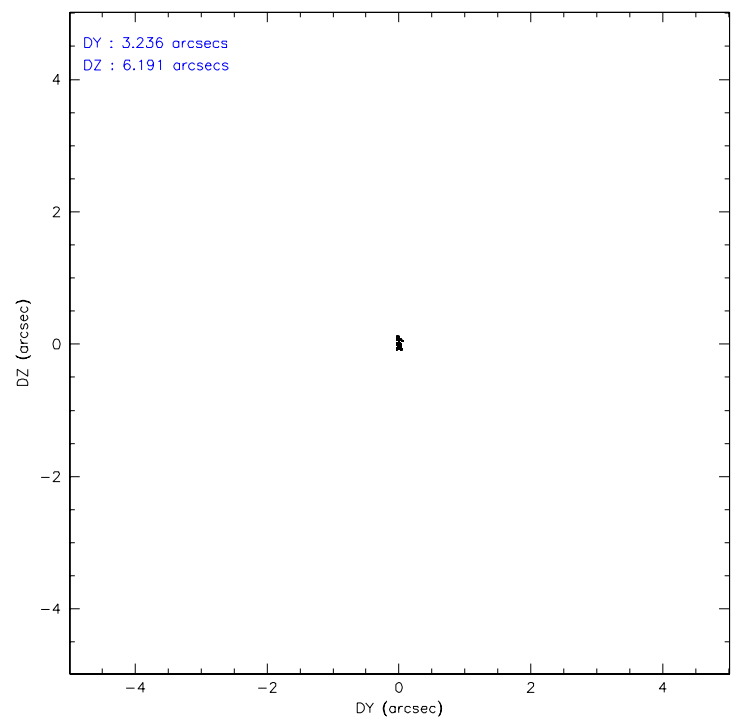
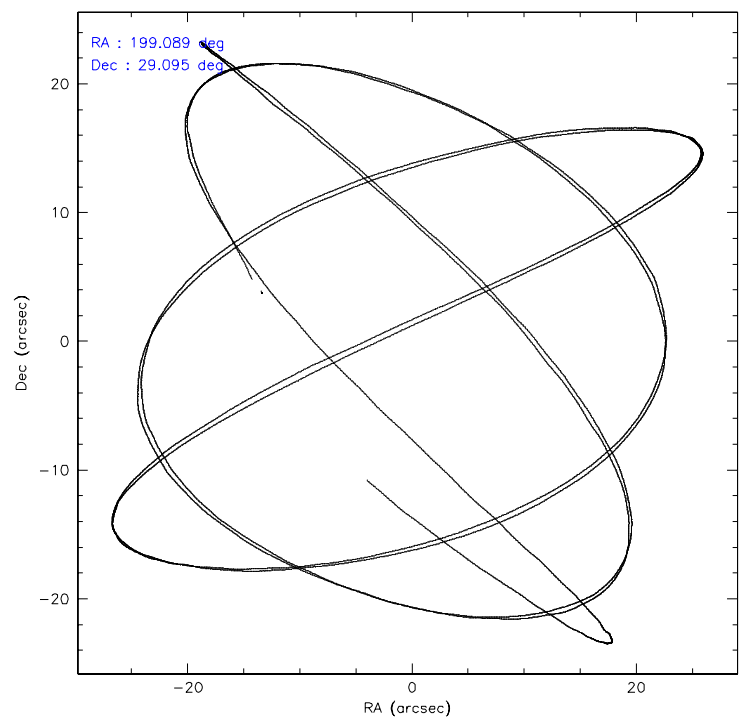
Level 1 Events

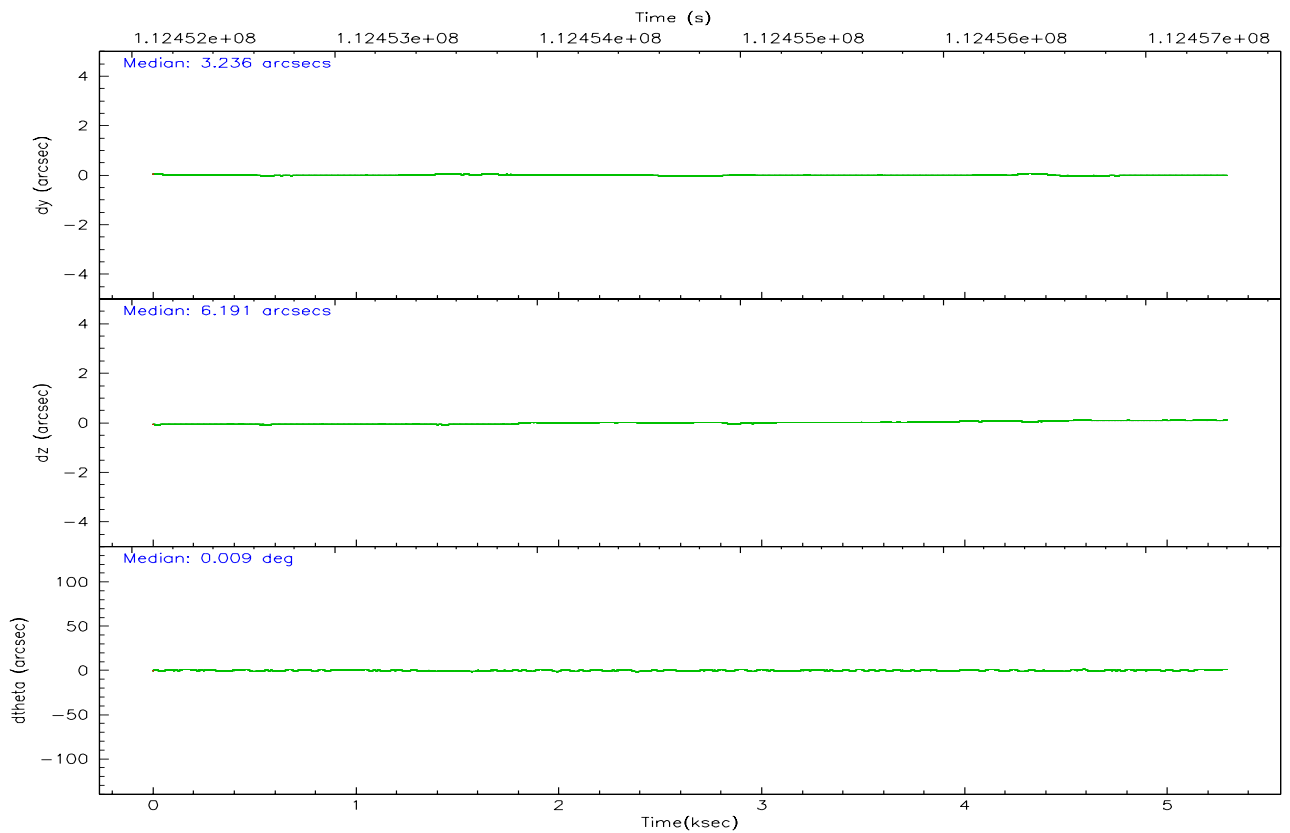
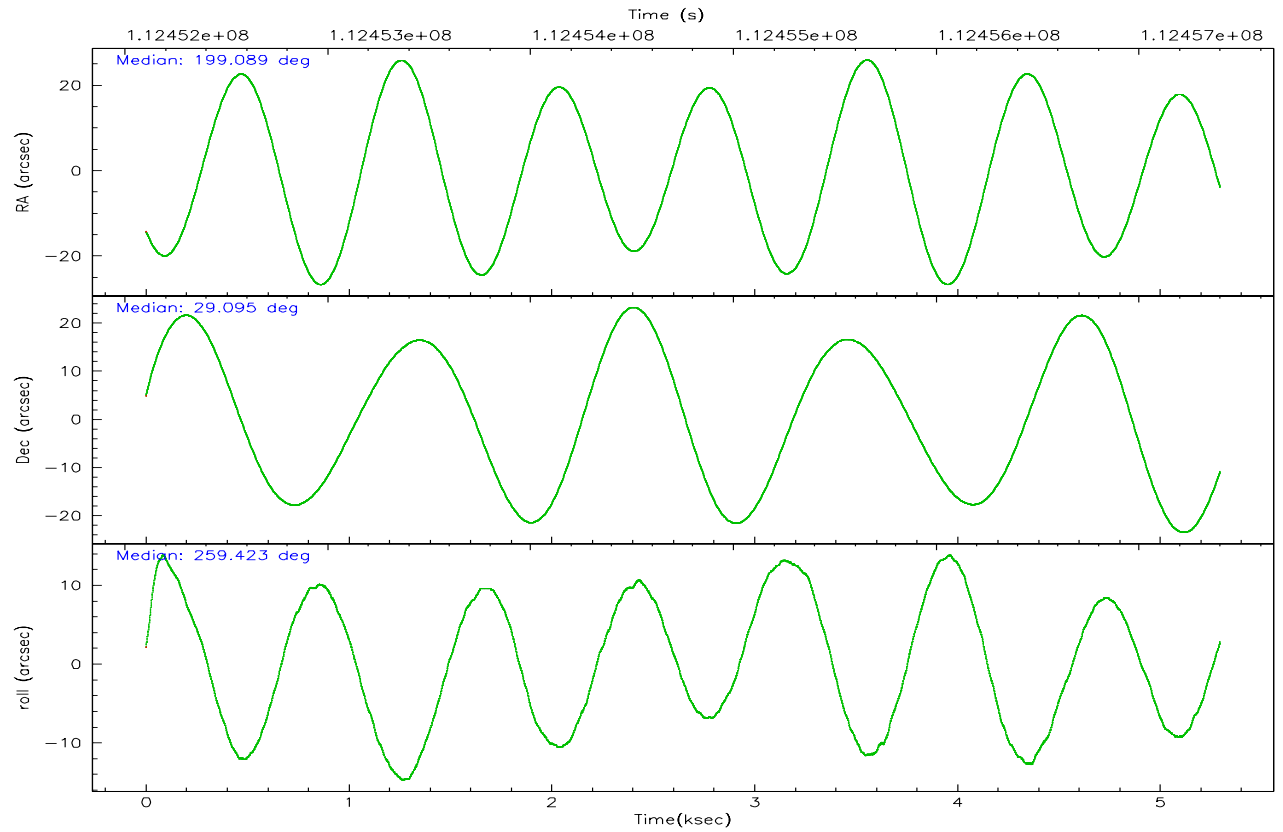
	segment 0
level 1 events	298782
rejected events	8465
rejected %	2%

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	199.078473	199.0894425721188			
Pointing Dec	29.120855	29.09545973442721			
Pointing Roll	259.525944	259.4251083245406			
Window start time	110332864.184000	110332864.184000			
Window stop time	112838464.184000	112838464.184000			
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	112452298.184000	112451730.50207			
Observation start date	2001-07-25T12:43:54	2001-07-25T12:35:30			
Observation end time	112457398.184000	112457532.5148			
Observation end date	2001-07-25T14:08:54	2001-07-25T14:12:12			

2.3 Aspect



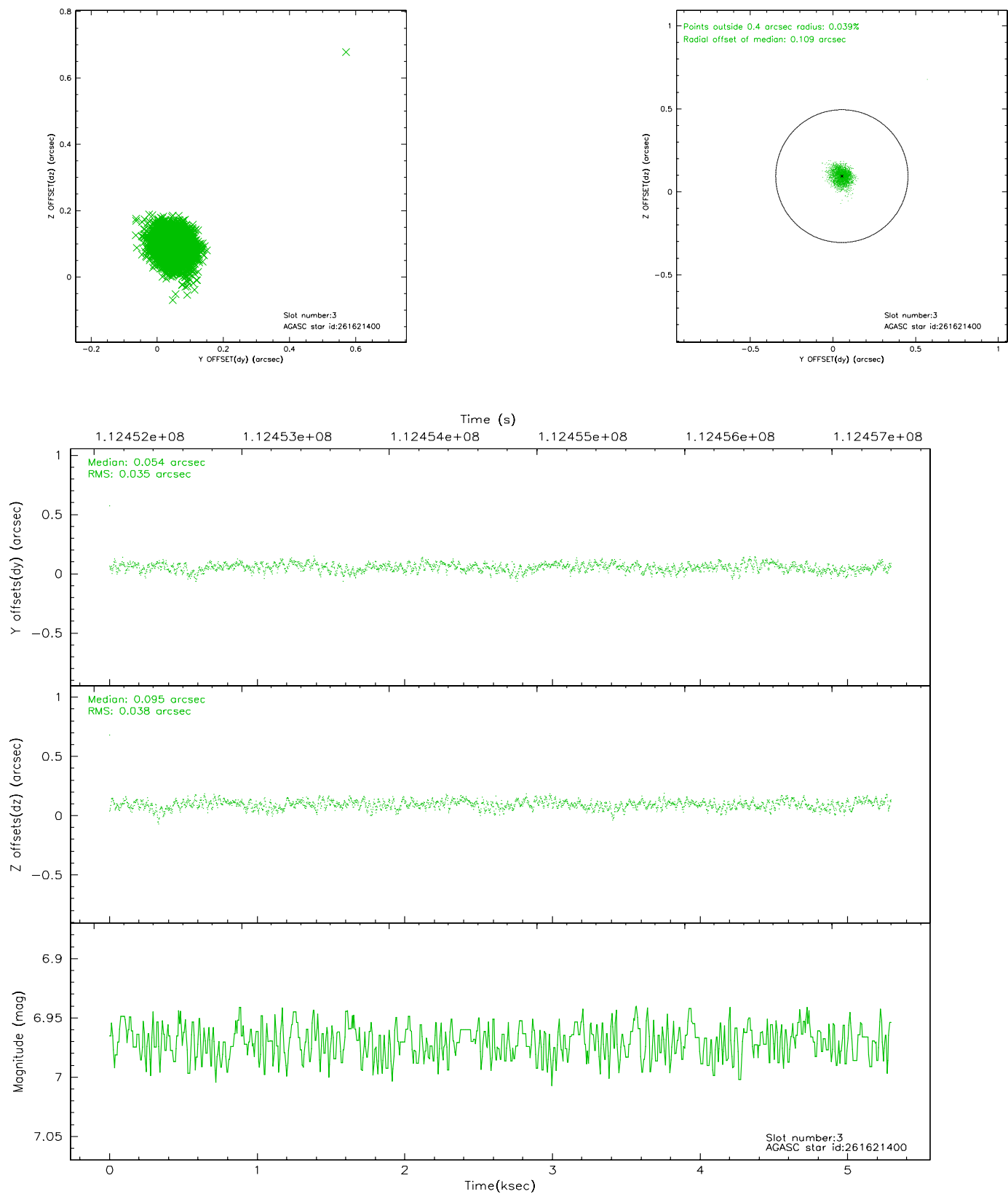


Slot Statistics

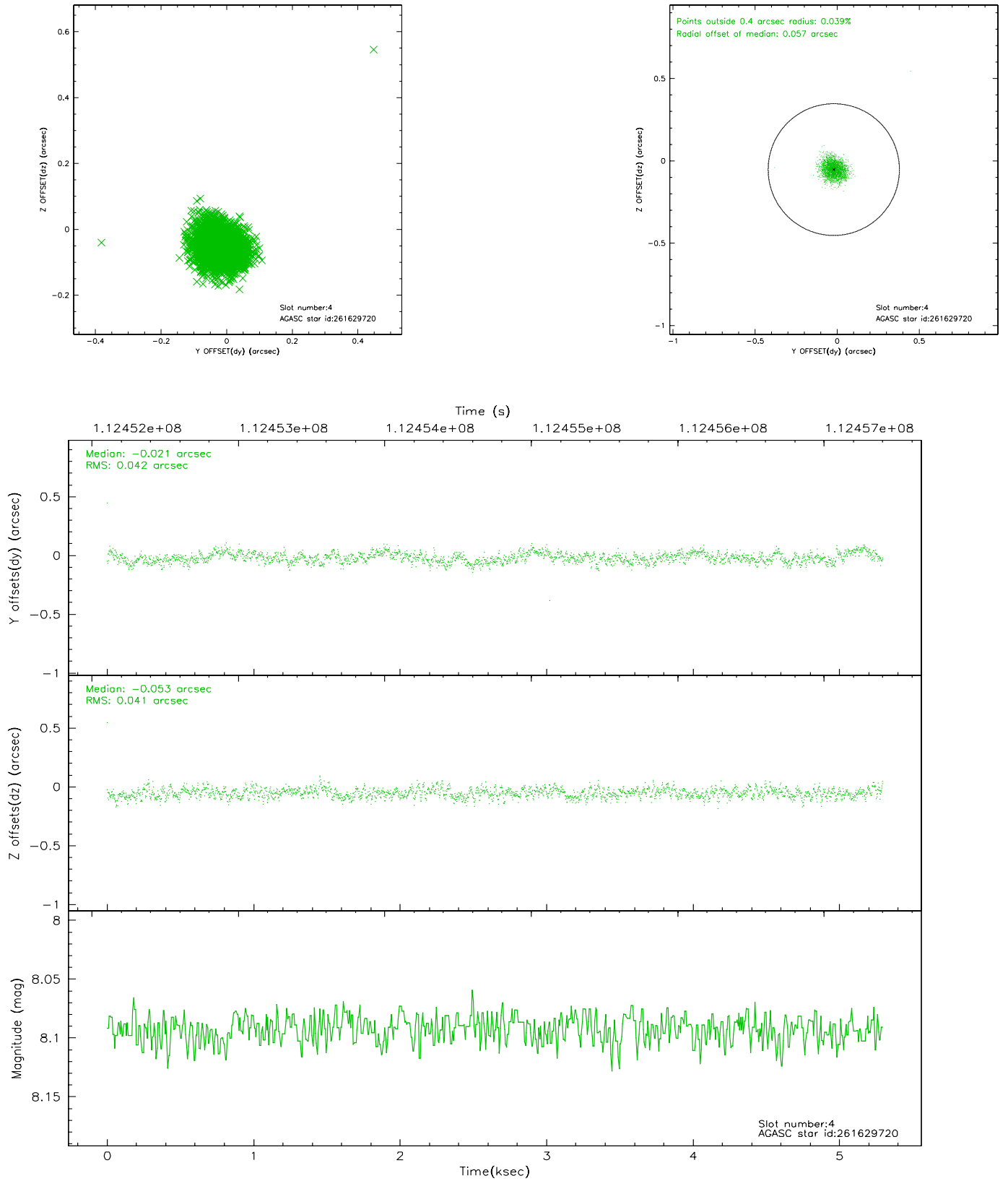
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	1292	0.053	0.036	0.006	0.011	0.000000	0.000000	-758.68	-1294.02
1	FID	HRC-I-3	7.06	1292	0.012	-0.069	0.007	0.011	0.000000	0.000000	-1187.77	1009.44
2	FID	HRC-I-4	7.00	1292	0.049	-0.057	0.006	0.010	0.000000	0.000000	1283.21	1008.81
3	GUIDE	261621400	6.97	2584	0.054	0.095	0.053	0.083	198.901600	28.741982	1441.95	-299.83
4	GUIDE	261629720	8.09	2584	-0.021	-0.053	0.060	0.095	199.236176	29.044452	180.01	539.03
5	GUIDE	261619776	8.80	2584	-0.058	-0.094	0.075	0.117	198.654383	29.401174	-753.19	-1490.48
6	GUIDE	261623040	9.12	2583	-0.098	-0.035	0.082	0.131	198.792686	29.757643	-2093.71	-1294.81
7	GUIDE	261623624	9.13	2575	0.123	0.088	0.082	0.139	199.611555	28.454113	2048.68	2095.77

2.4 Star Slots

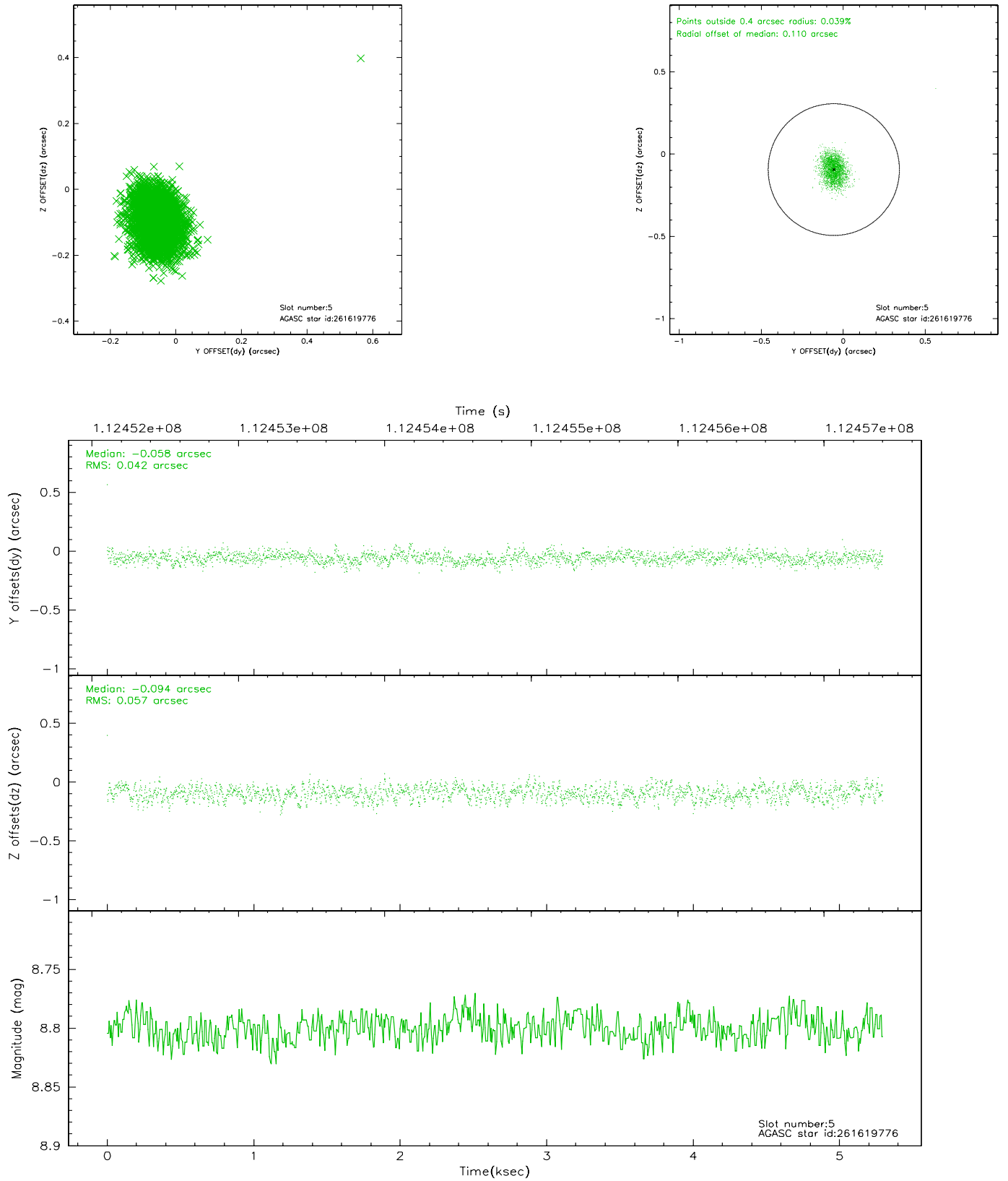
2.4.1 Slot 3



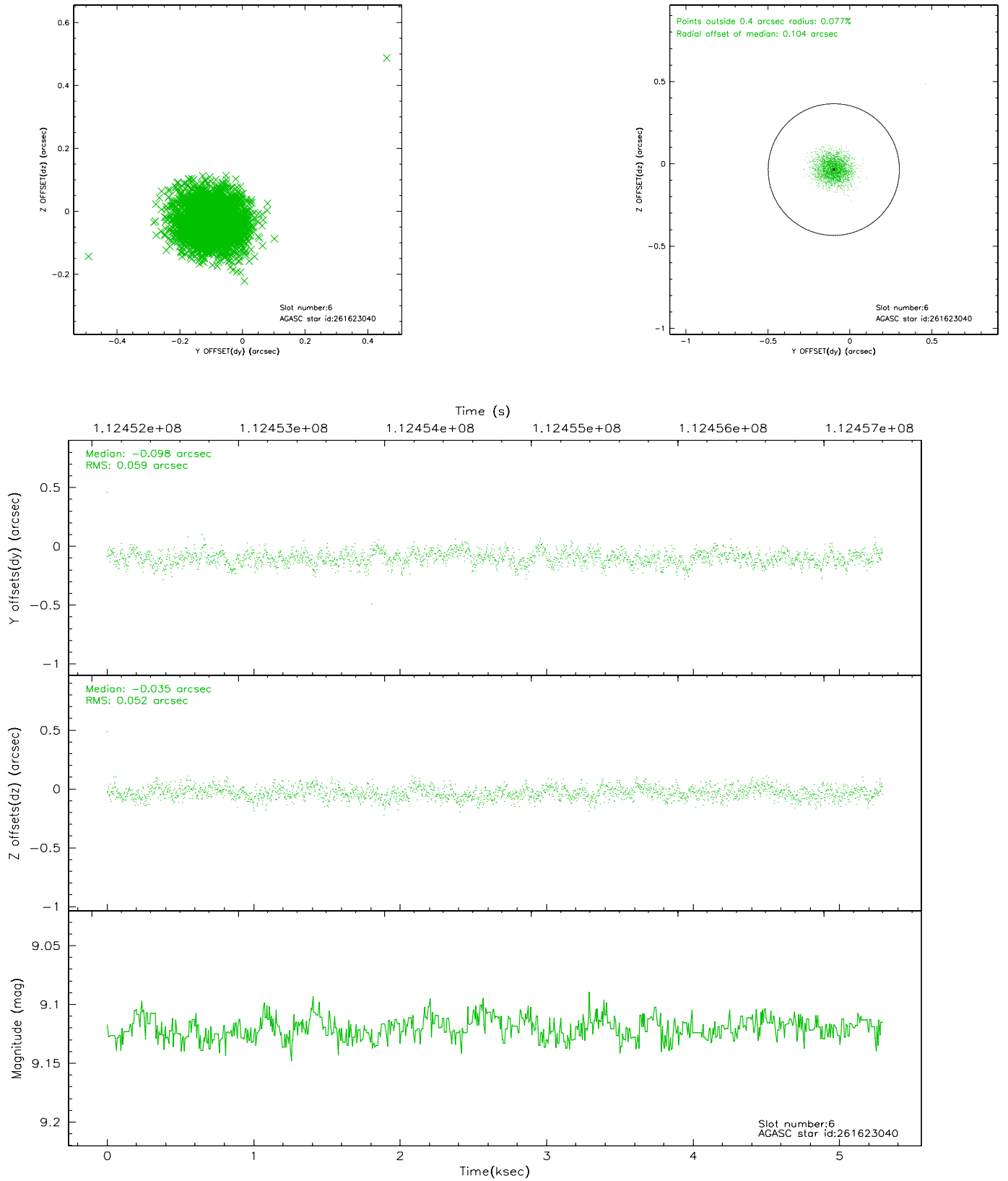
2.4.2 Slot 4



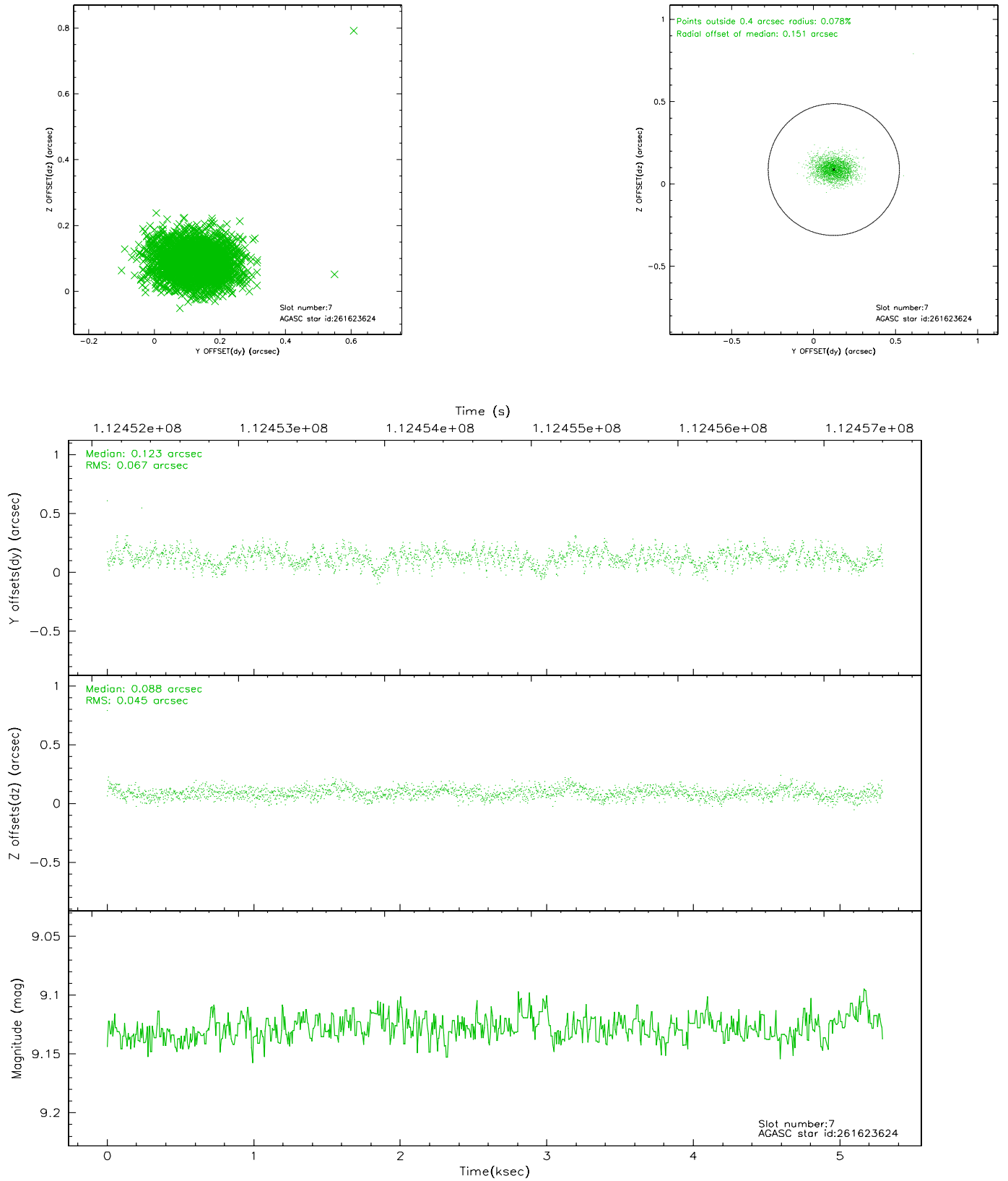
2.4.3 Slot 5



2.4.4 Slot 6

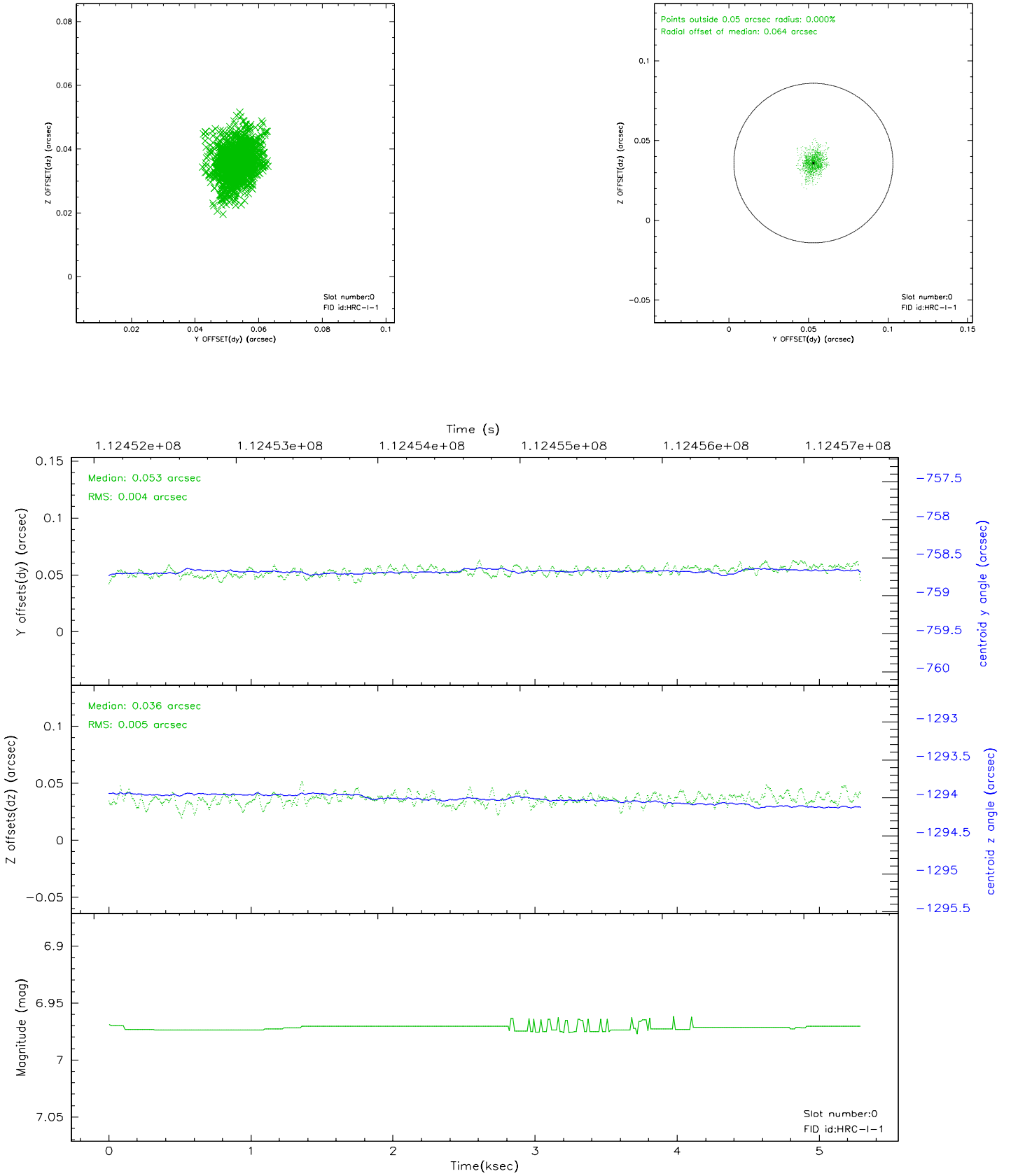


2.4.5 Slot 7

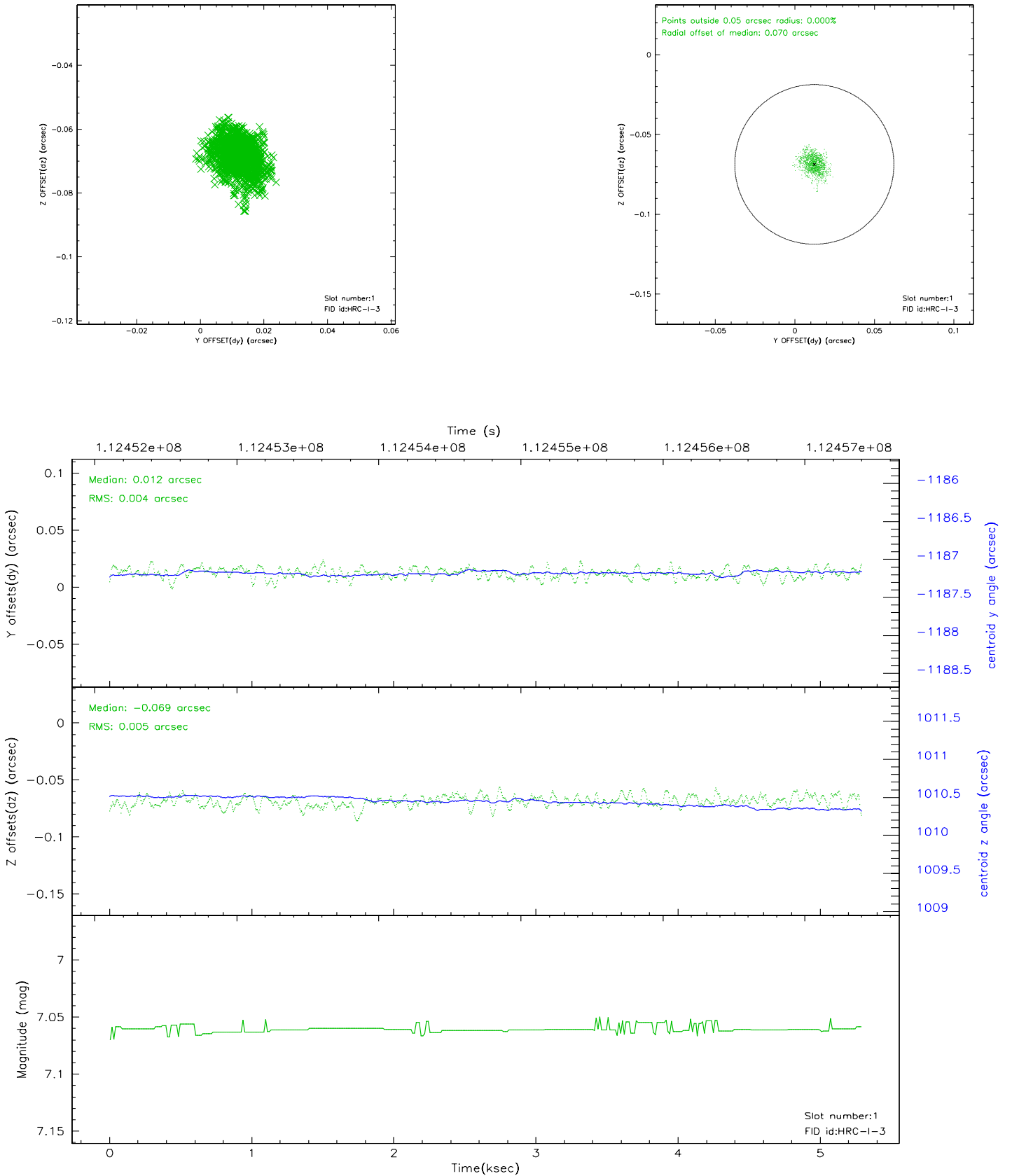


2.5 FID Slots

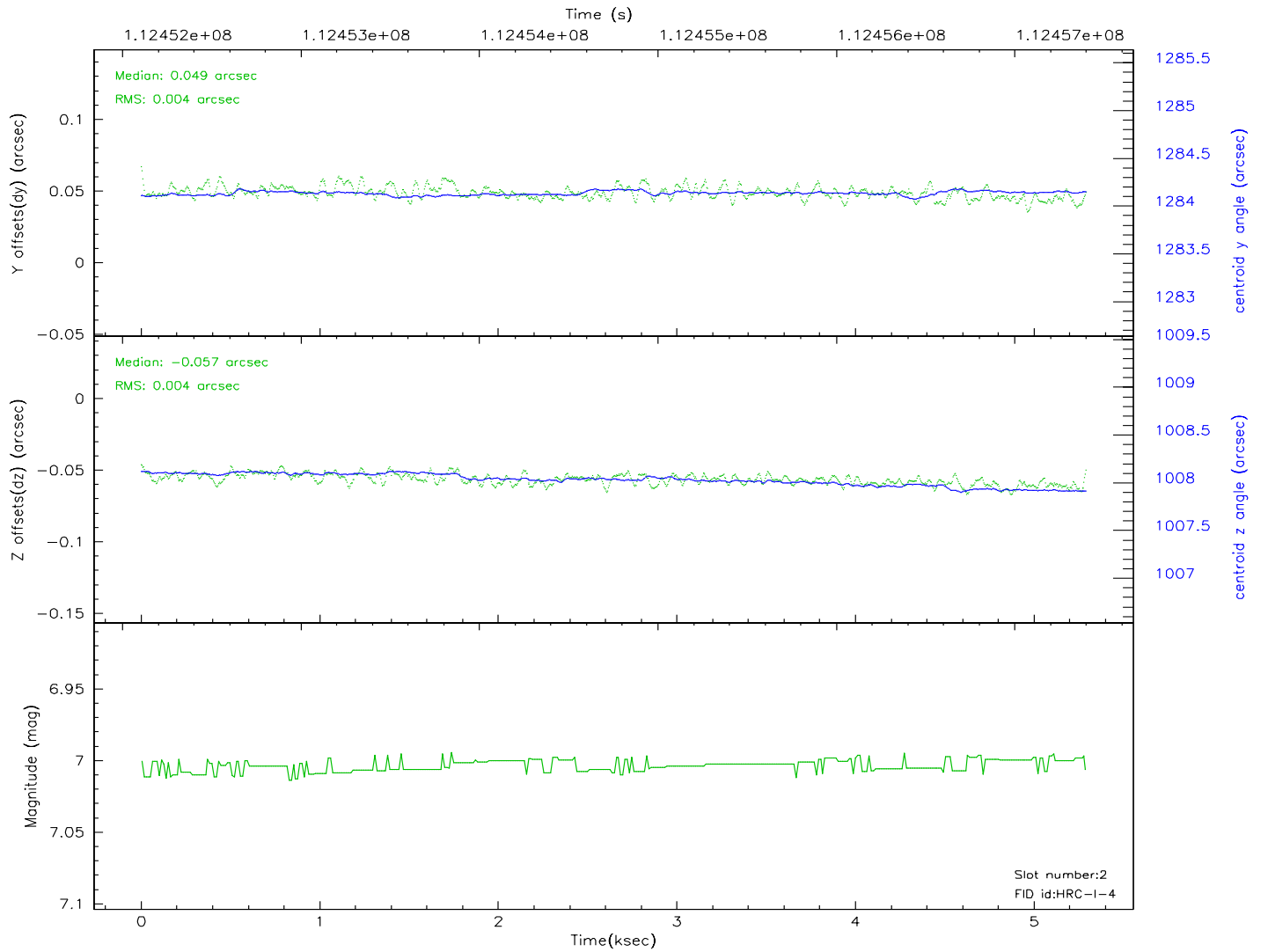
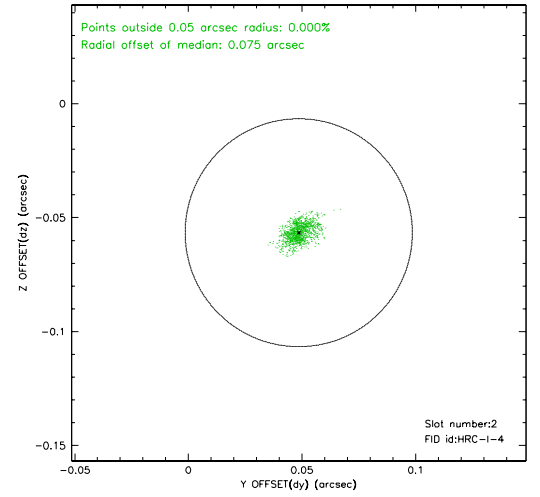
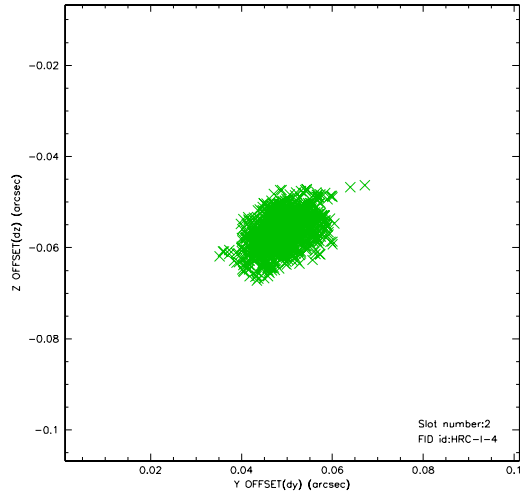
2.5.1 Slot 0



2.5.2 Slot 1

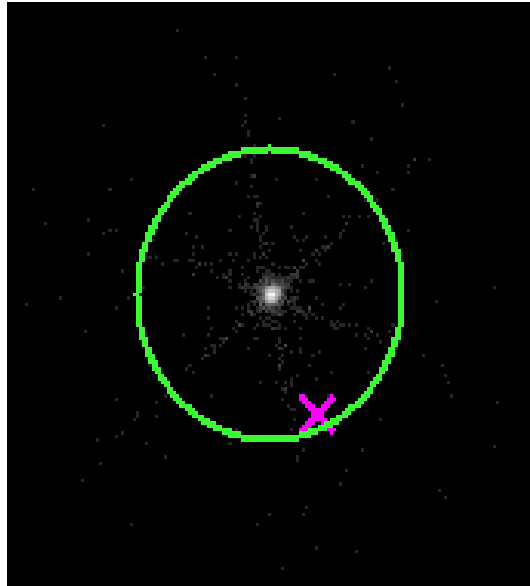


2.5.3 Slot 2

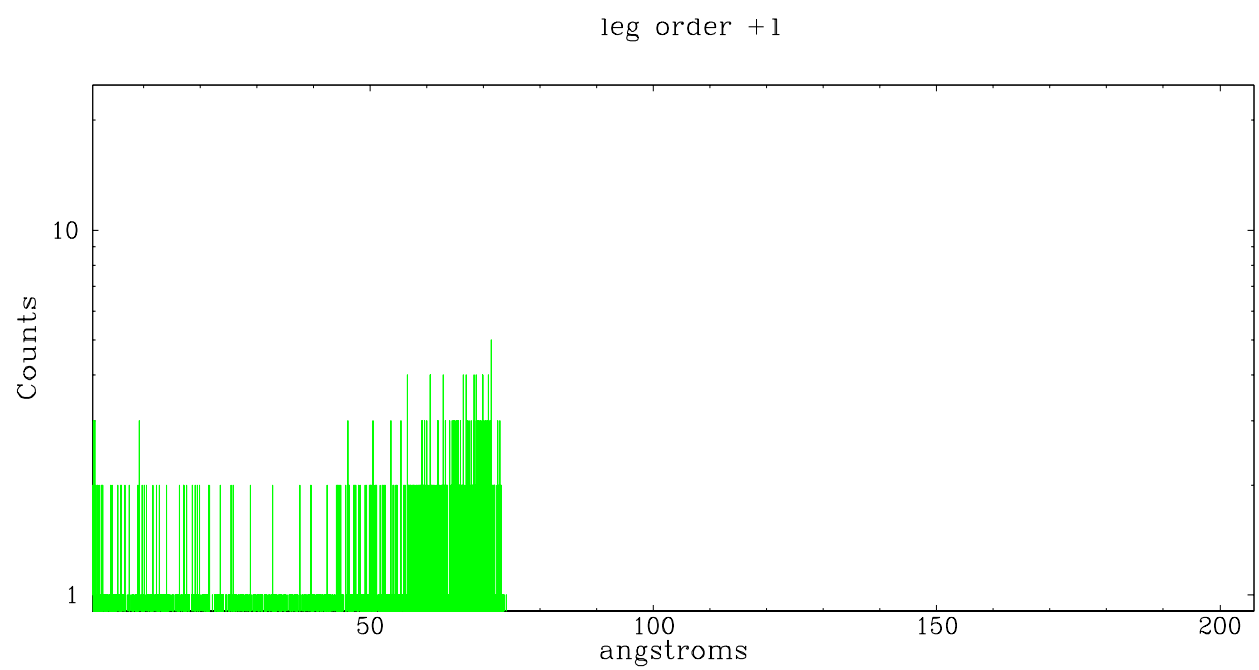
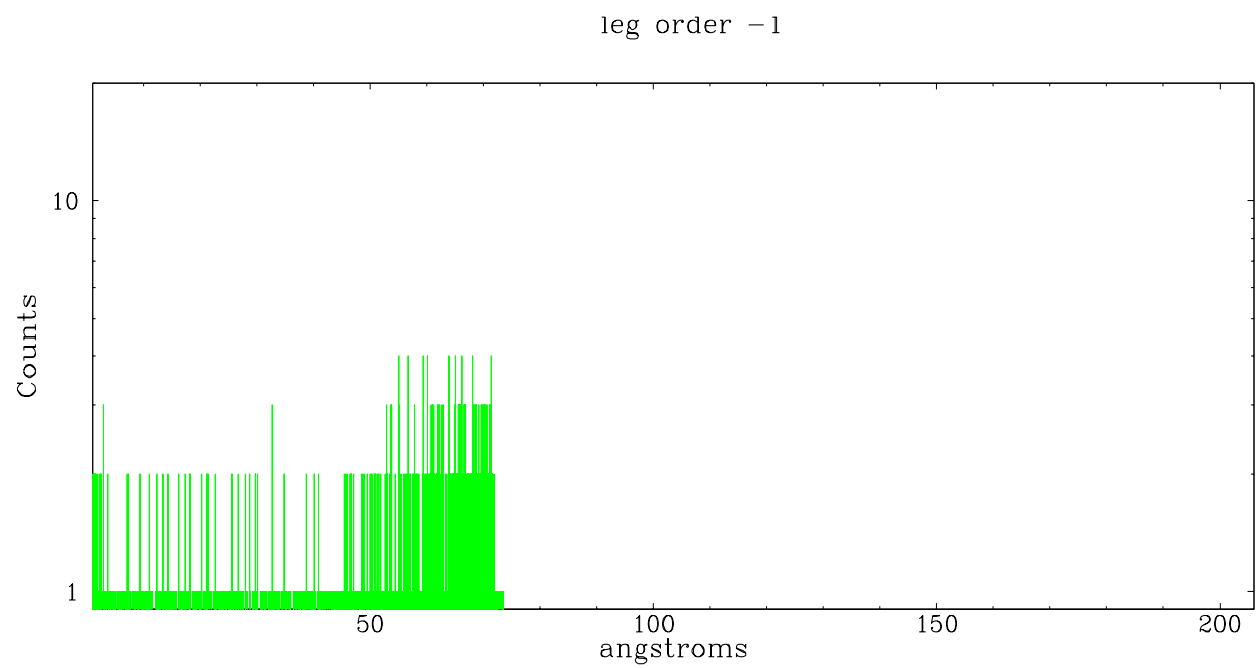


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.972

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.