

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3714 - L2 Version 3
Chandra X-Ray Center

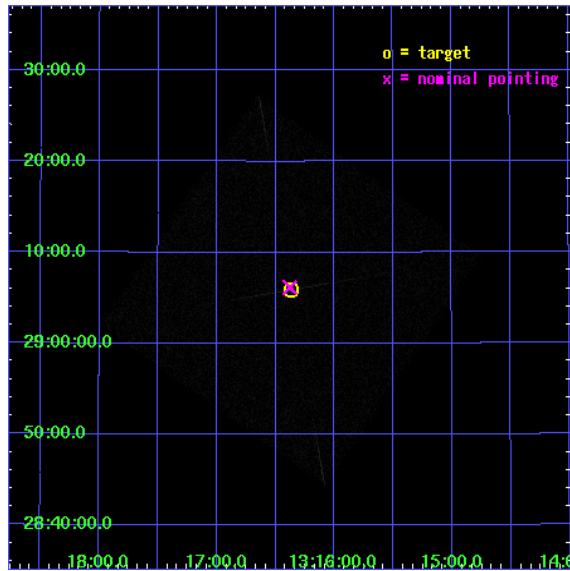
L2 Processing Date : Nov 21 2007

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1 Front

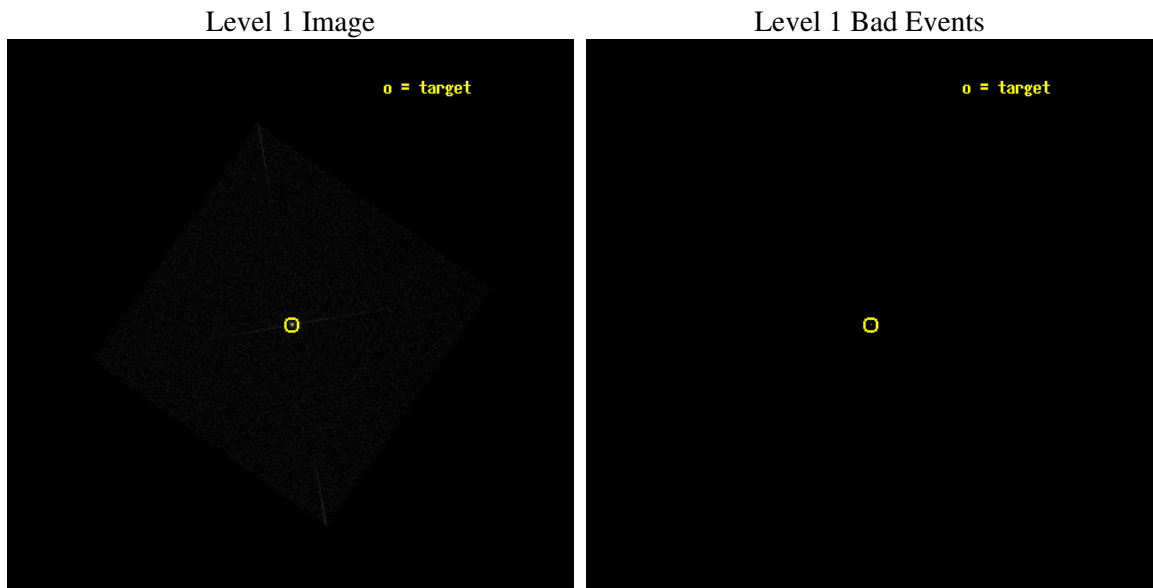
seq_num	290247
obs_id	3714
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.09447687774
dec_nom	29.102548643802
roll_nom	80.080146840836
revision	3
ontime	1870.8813284039
livetime	1859.7259063059
l2events	71803



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	2007-11-22T00:33:29
revision	3

sched_exp_time	2000.000000
ontime	1870.8813284039
l1events	104665

2.1.3 Events

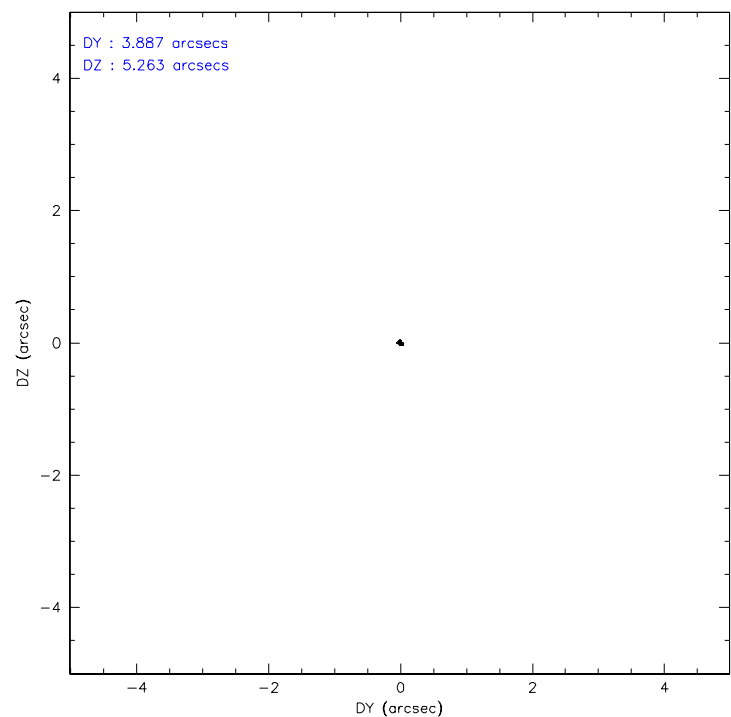
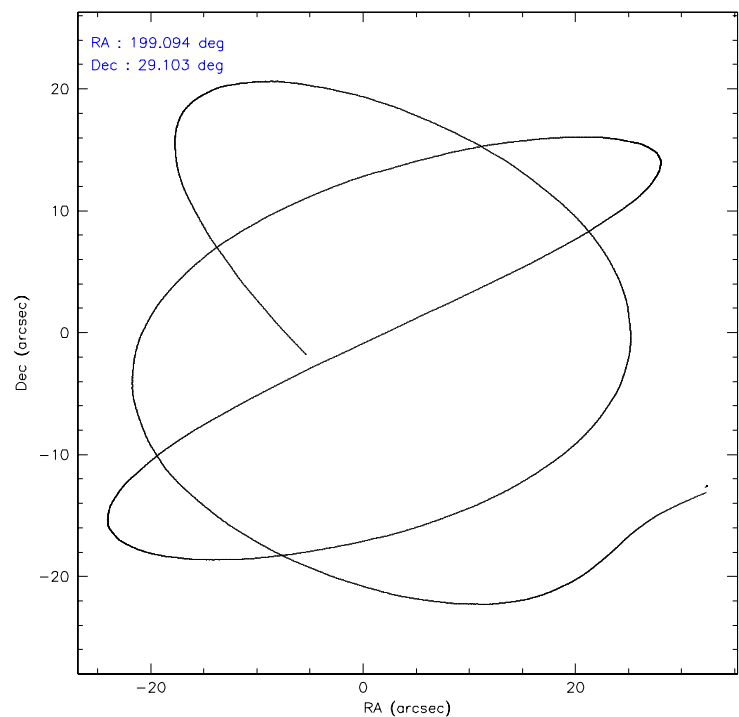
Level 1 Events

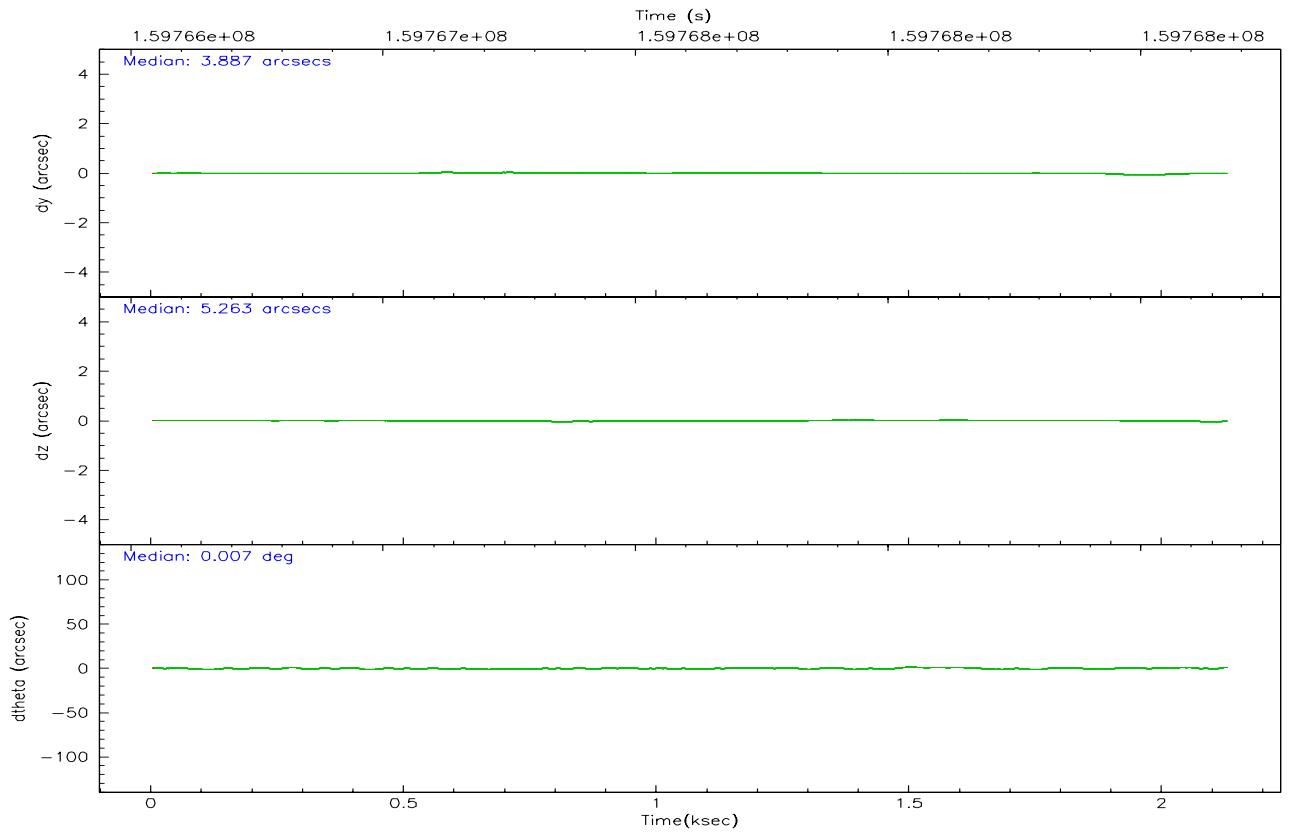
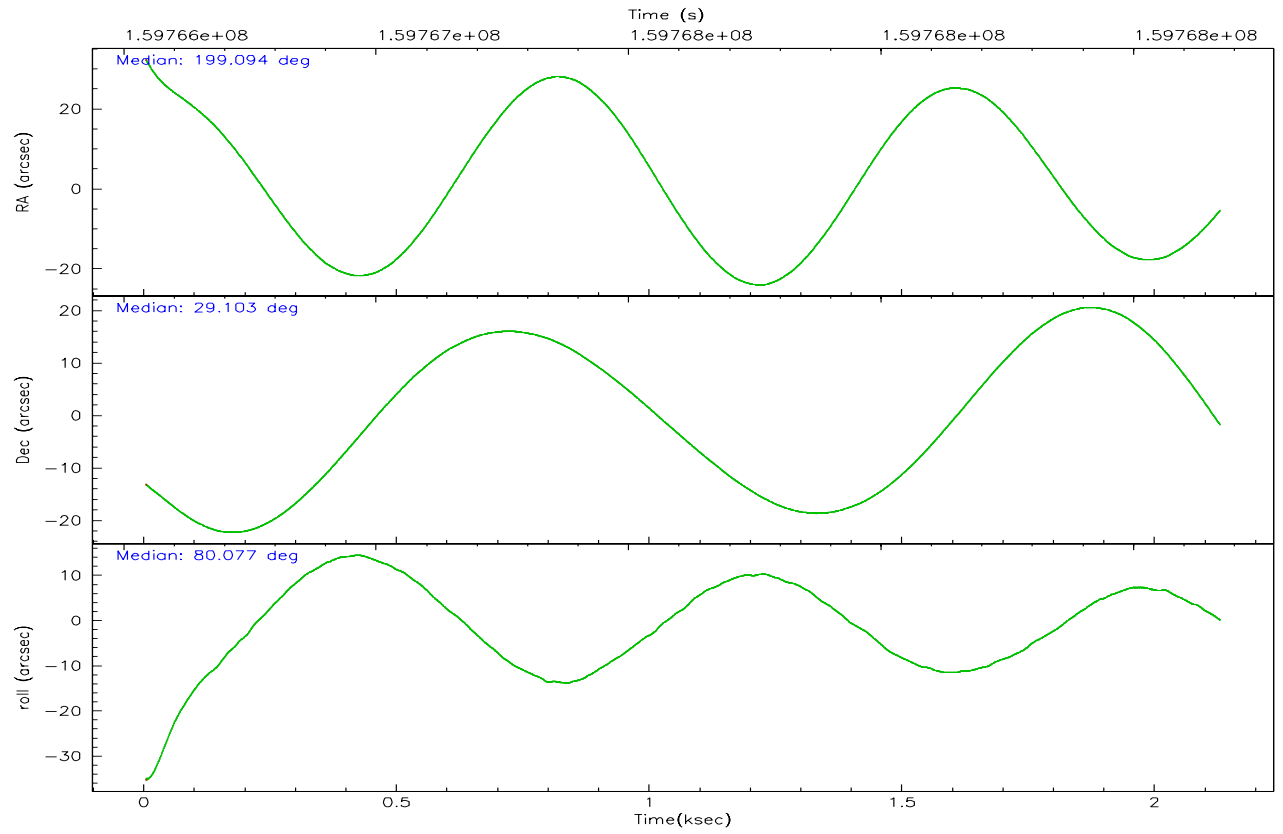
	segment 0
level 1 events	104665
rejected events	6855
rejected %	6%

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	199.105970	199.0944768777431			
Pointing Dec	29.077272	29.10254864380209			
Pointing Roll	80.170112	80.08014684083564			
Window start time	157766464.184000	157766464.184000			
Window stop time	160358464.184000	160358464.184000			
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	159766674.184000	159765797.00092			
Observation start date	2003-01-24T03:36:50	2003-01-24T03:23:17			
Observation end time	159768674.184000	159769470.60108			
Observation end date	2003-01-24T04:10:10	2003-01-24T04:24:30			

2.3 Aspect



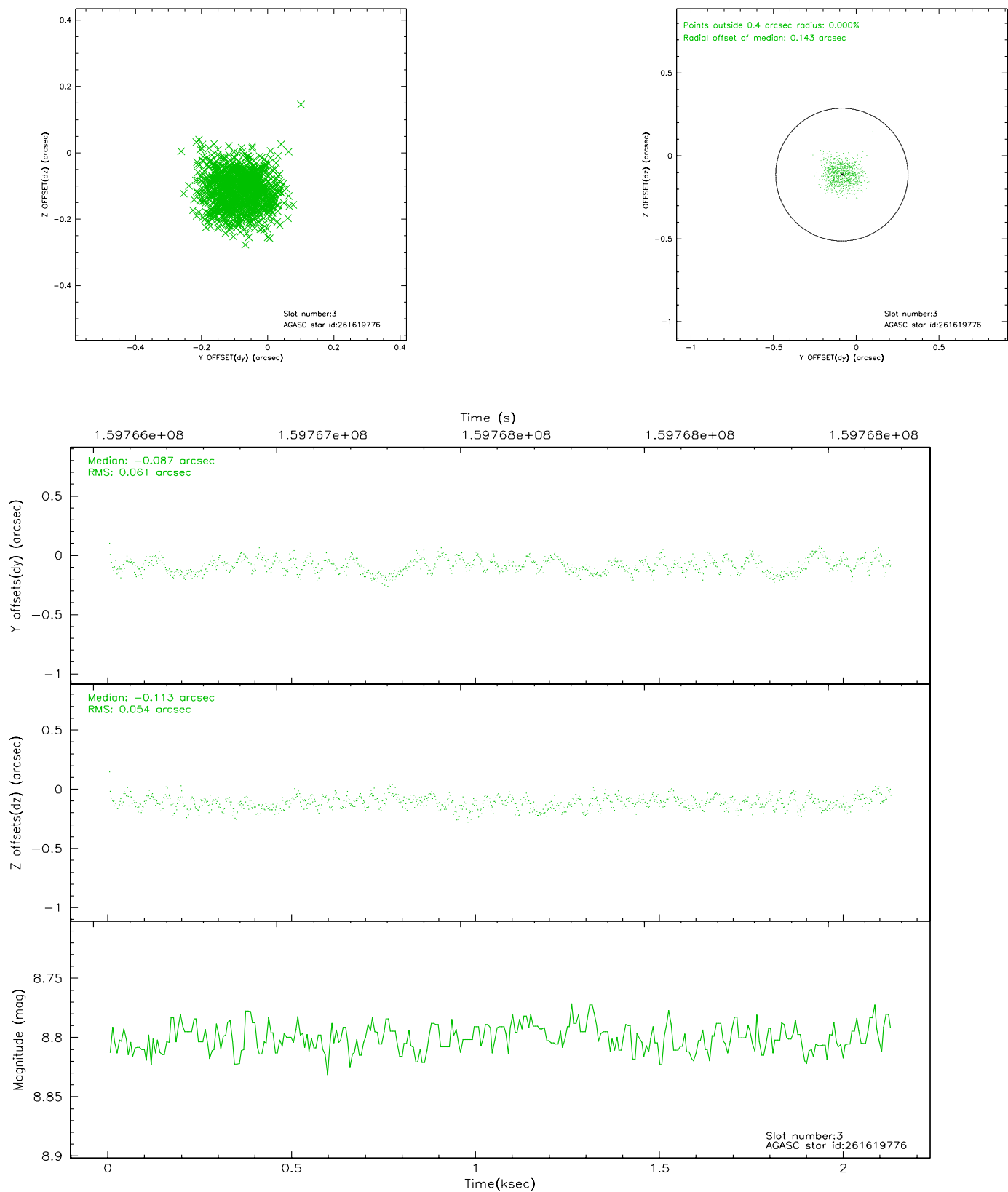


Slot Statistics

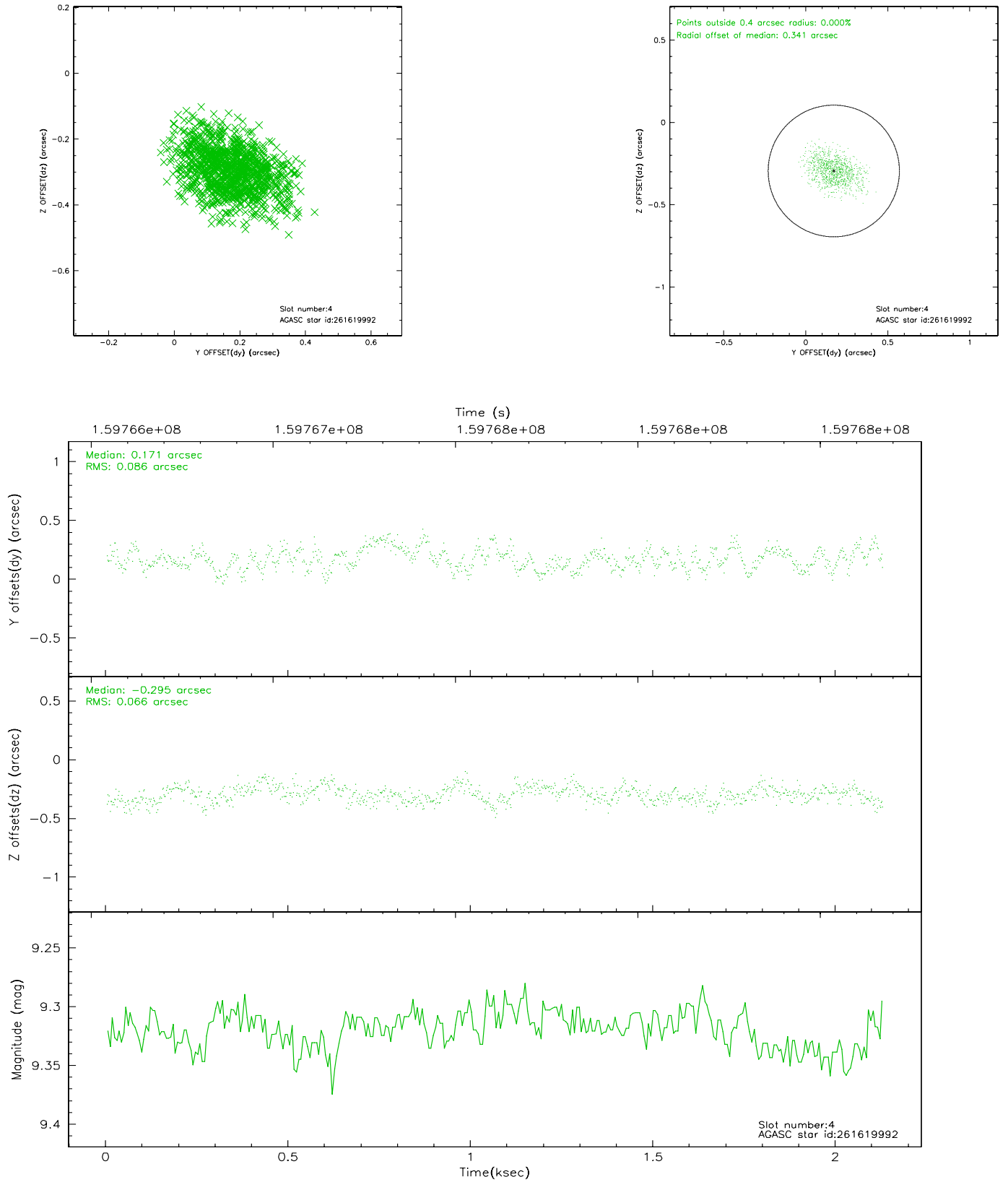
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	519	-0.014	0.026	0.006	0.011	0.000000	0.000000	-759.35	-1293.06
1	FID	HRC-I-2	7.03	519	0.115	-0.066	0.006	0.009	0.000000	0.000000	851.94	-1297.16
2	FID	HRC-I-3	7.09	519	0.019	-0.049	0.005	0.010	0.000000	0.000000	-1186.24	1008.91
3	GUIDE	261619776	8.80	1038	-0.087	-0.113	0.087	0.136	198.654383	29.401174	909.50	1594.43
4	GUIDE	261619992	9.32	1038	0.171	-0.295	0.117	0.190	198.395553	28.647634	-1899.71	1949.31
5	GUIDE	261623040	9.14	1034	-0.263	-0.062	0.081	0.130	198.792686	29.757643	2245.35	1384.77
6	GUIDE	261623624	9.12	1038	0.155	0.312	0.083	0.130	199.611555	28.454113	-1931.52	-1958.15
7	GUIDE	261624456	7.31	1037	0.018	0.157	0.071	0.106	199.758056	28.567828	-1450.99	-2345.61

2.4 Star Slots

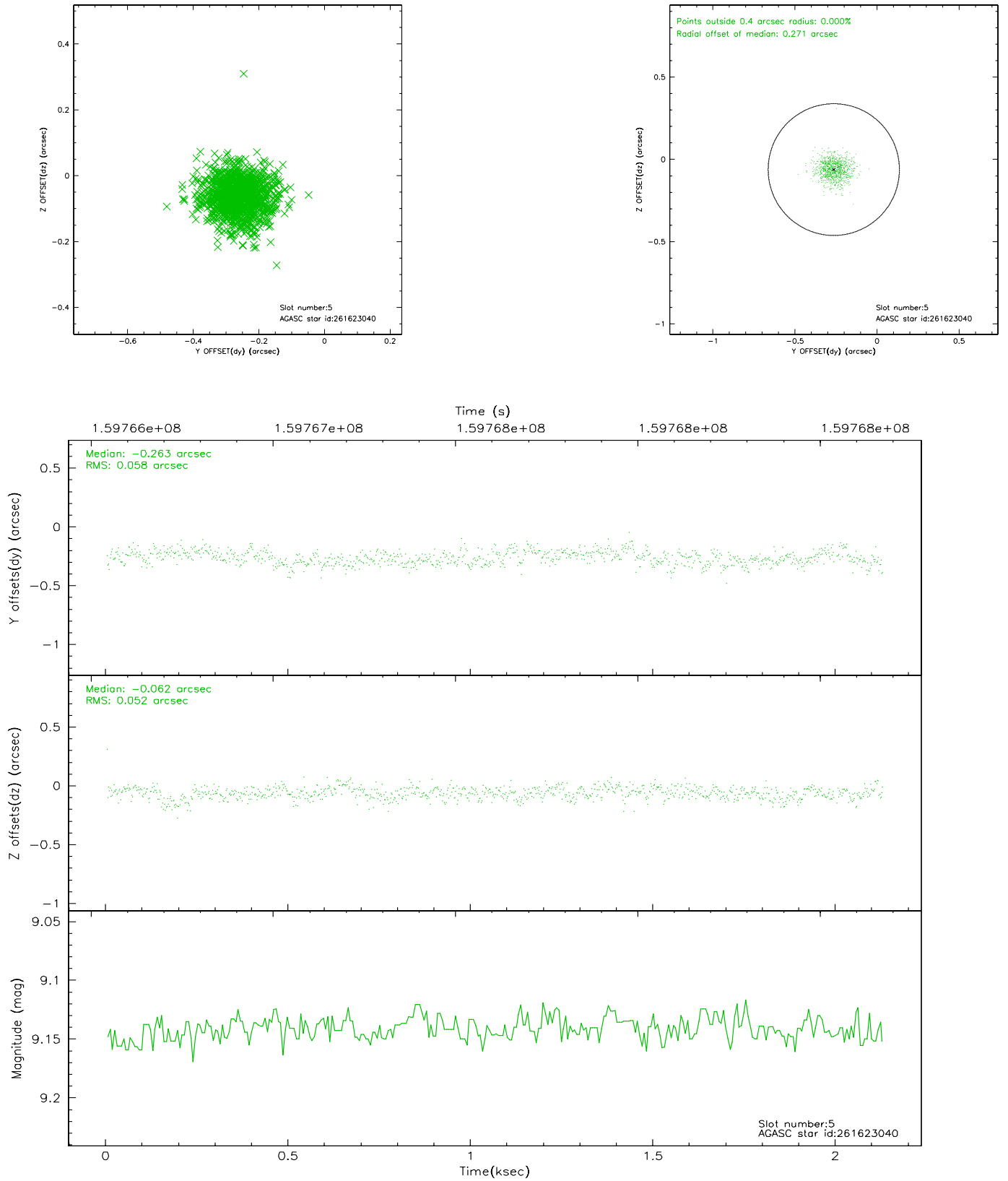
2.4.1 Slot 3



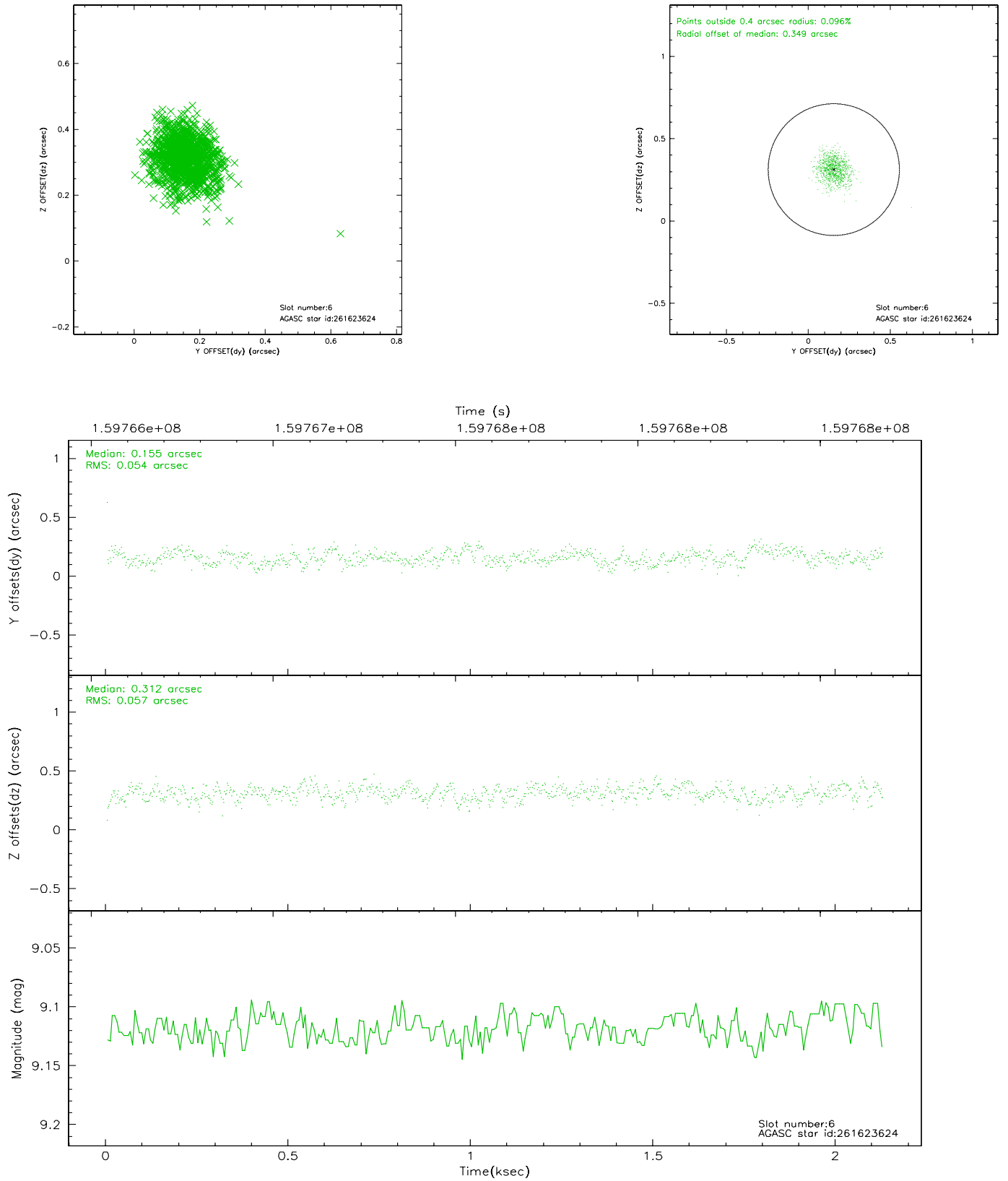
2.4.2 Slot 4



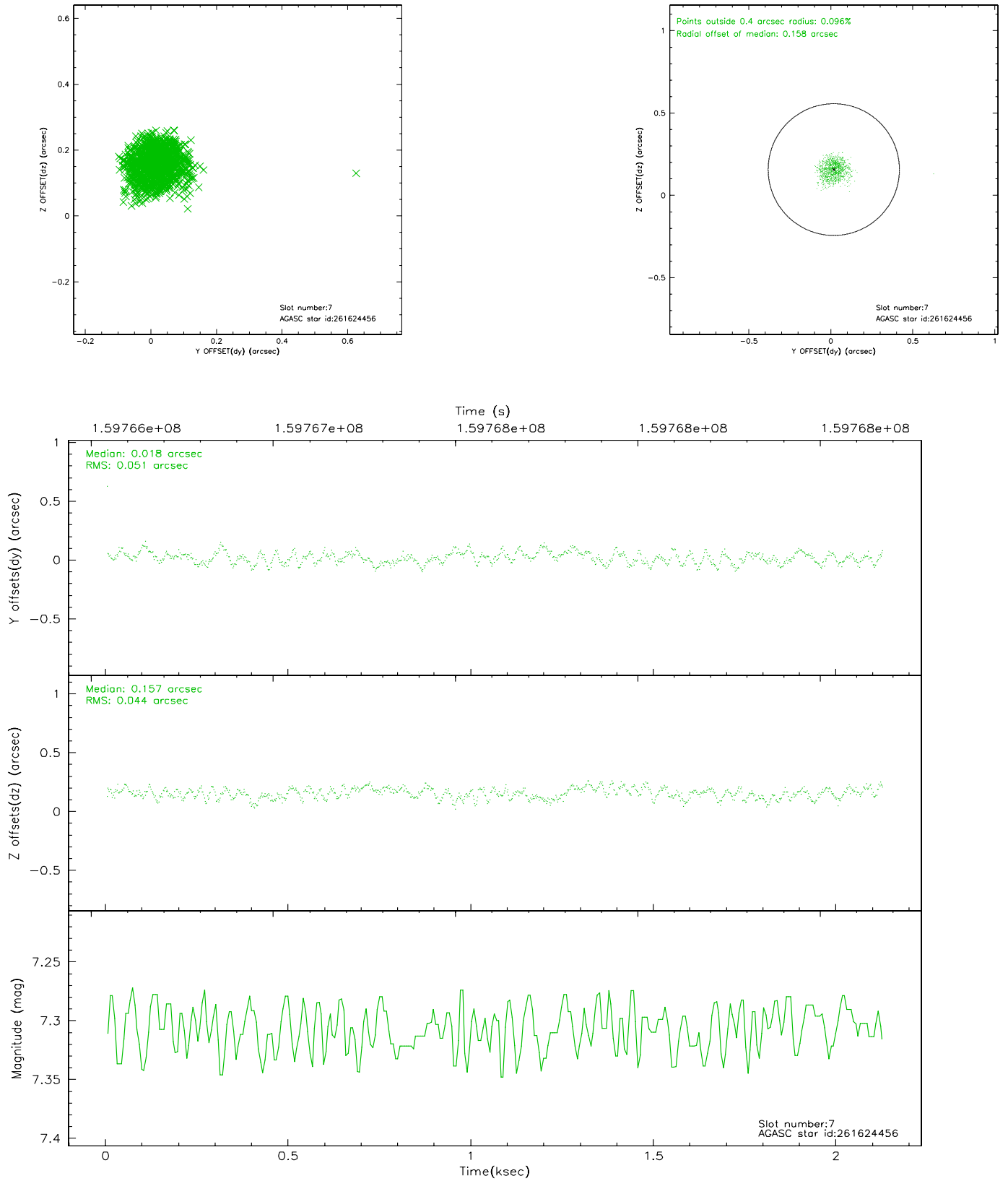
2.4.3 Slot 5



2.4.4 Slot 6

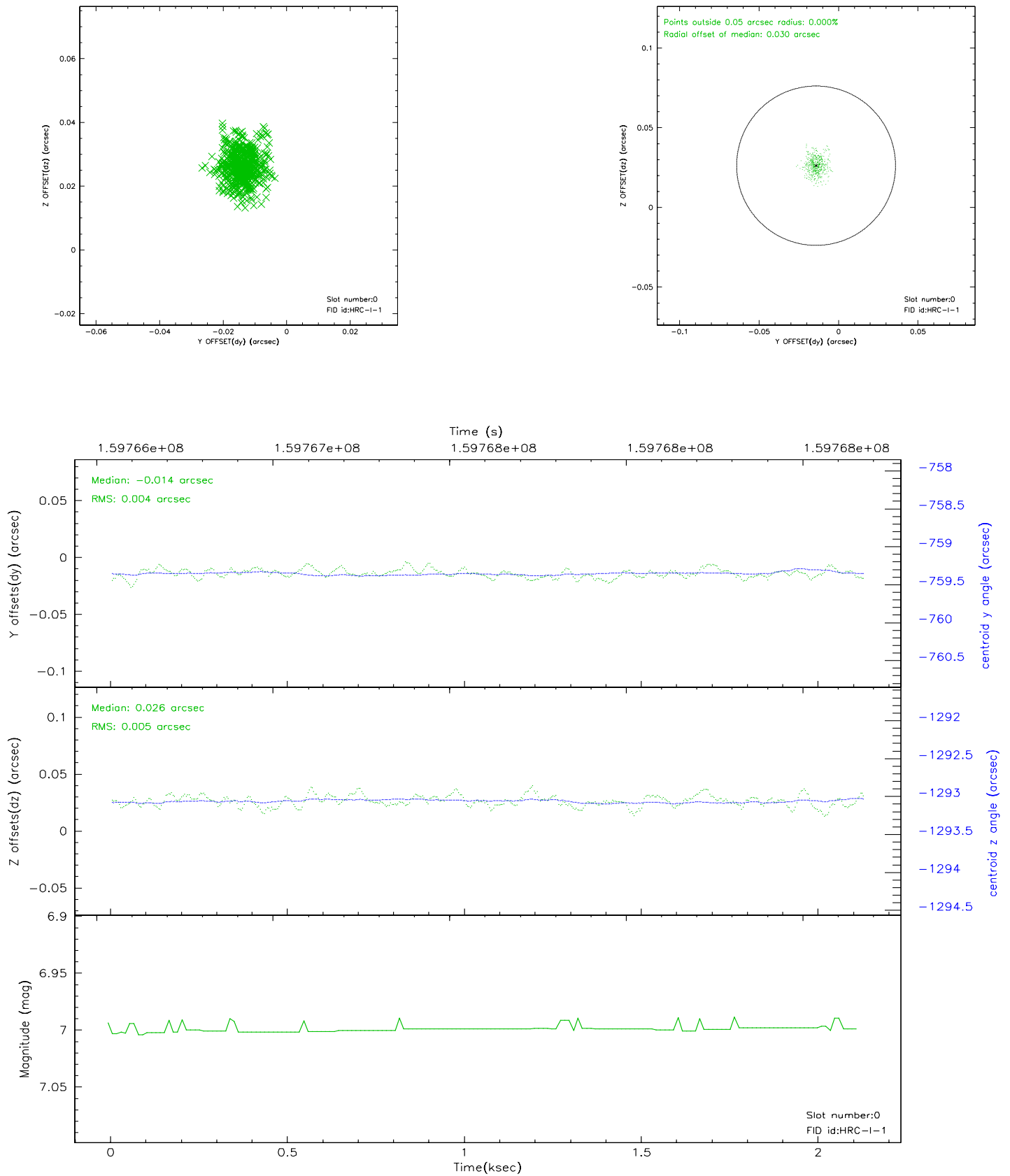


2.4.5 Slot 7

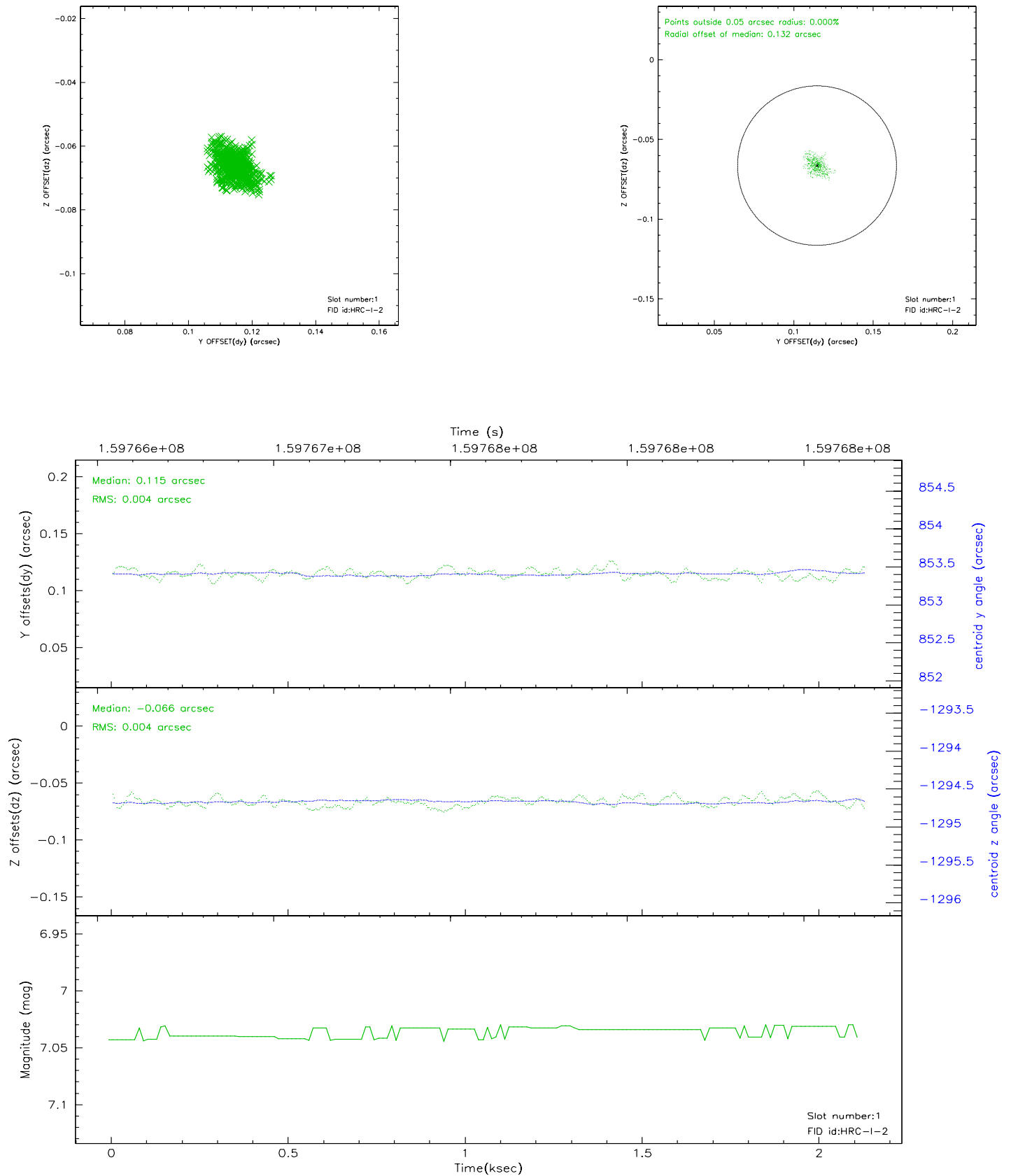


2.5 FID Slots

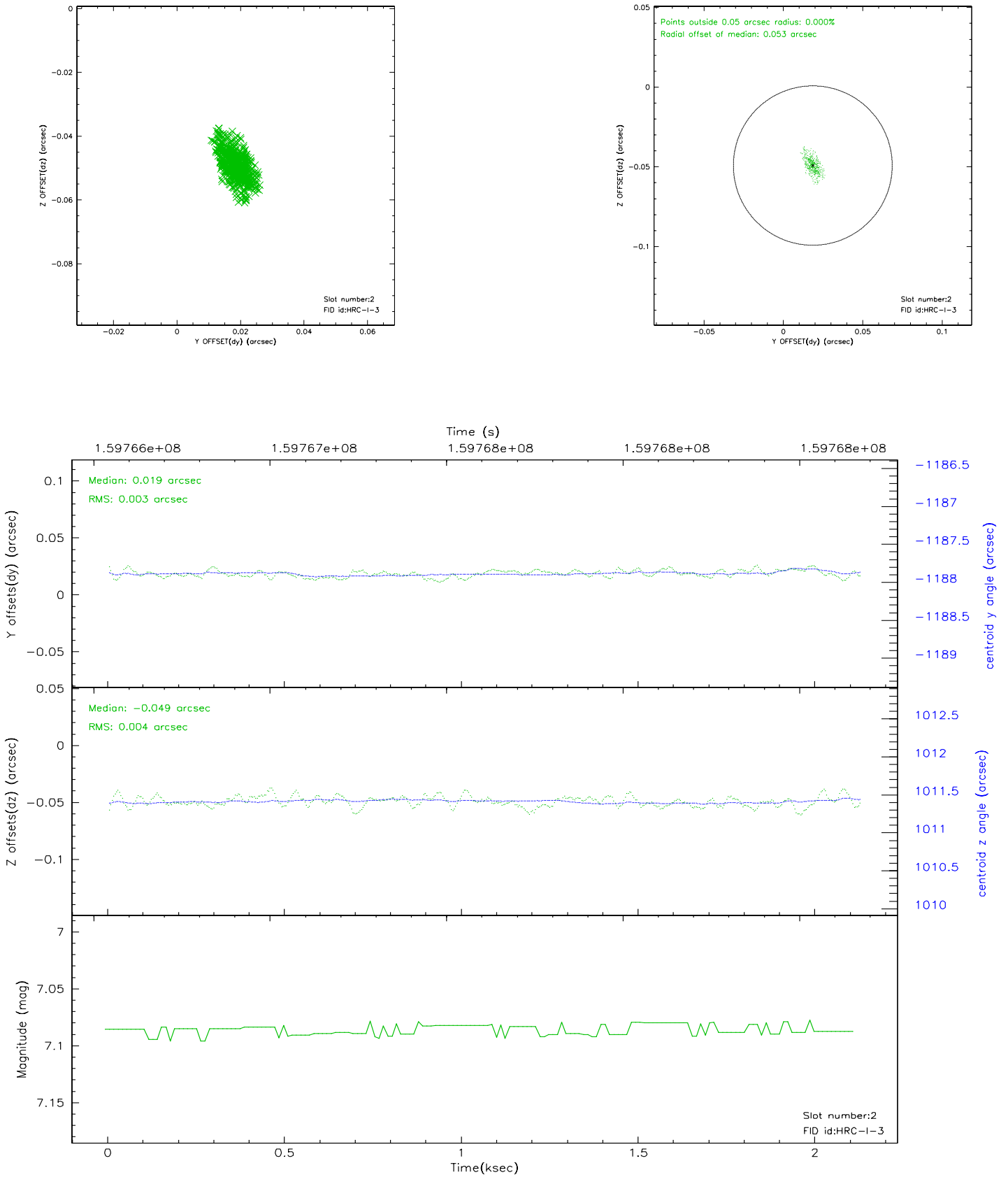
2.5.1 Slot 0



2.5.2 Slot 1

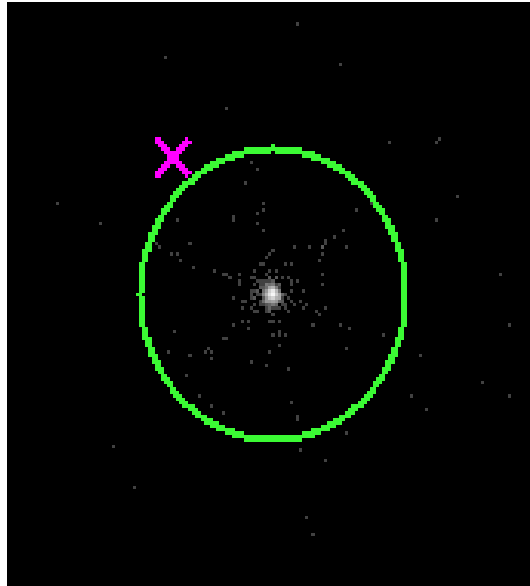


2.5.3 Slot 2

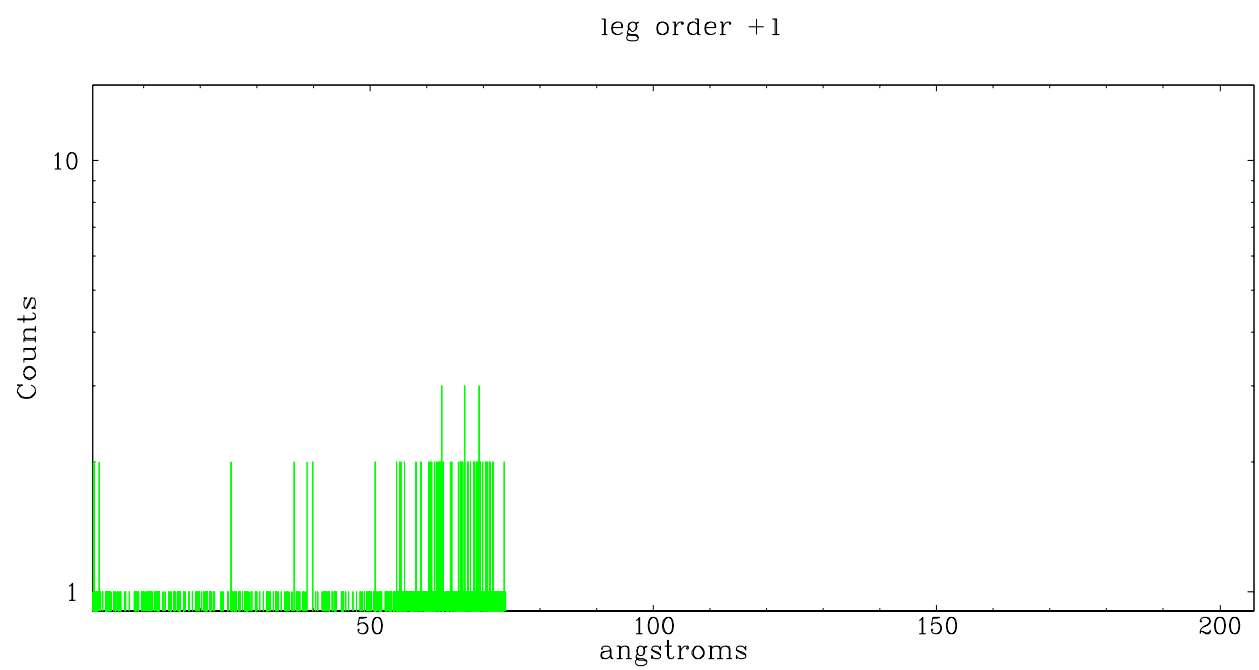
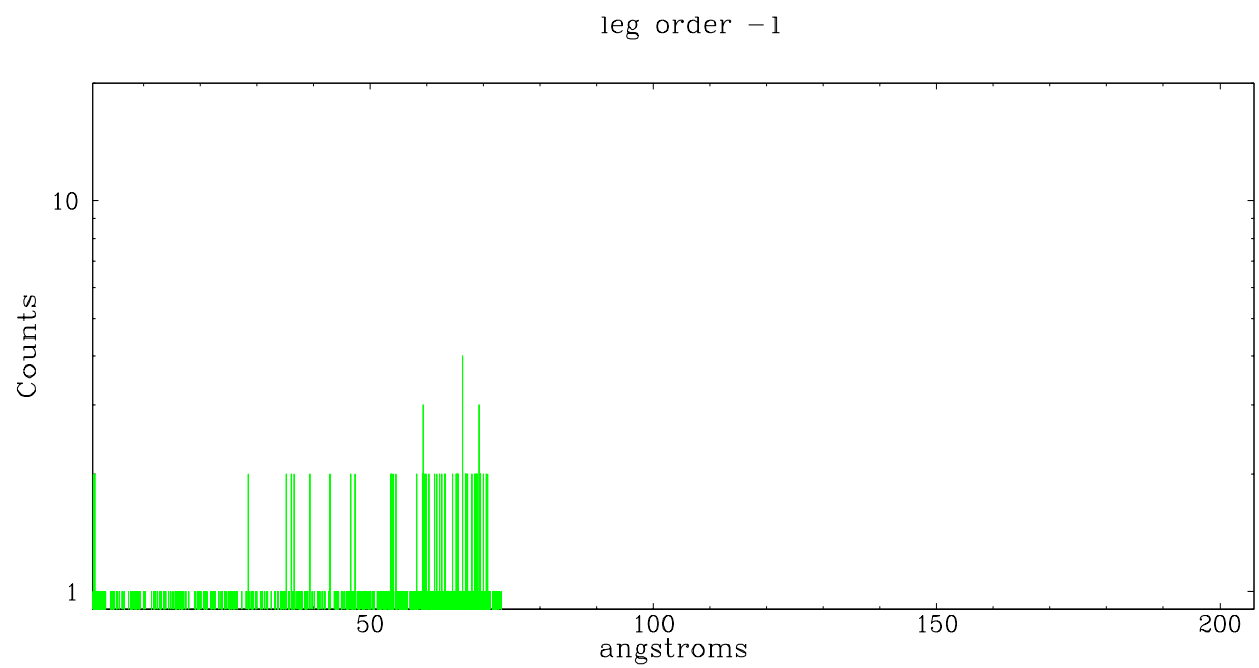


3 Gratings

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	1.87

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.