

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5293 - L2 Version 001
Chandra X-Ray Center

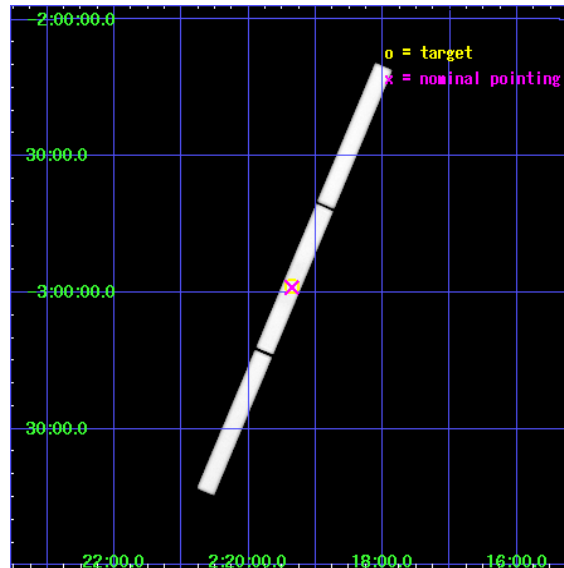
L2 Processing Date : Jun 8 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

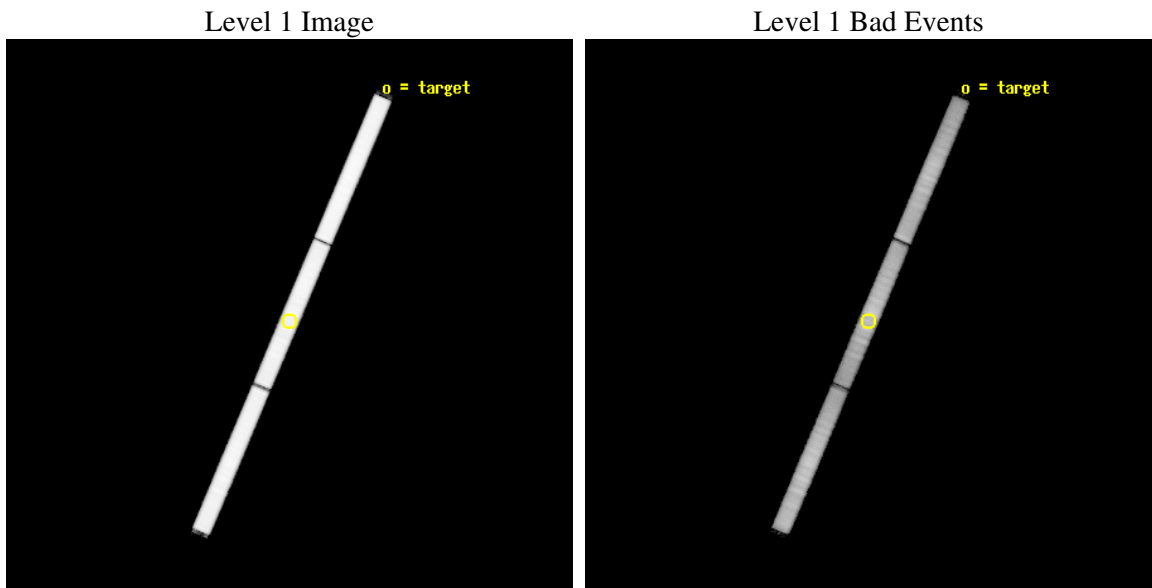
seq_num	300145
obs_id	5293
title	Outburst in Mira AB?
observer	Dr. Margarita Karovska
object	Mira AB
ra_targ	34.836667
dec_targ	-2.977639
ra_nom	34.838374804026
dec_nom	-2.9819698509194
roll_nom	292.97984921889
revision	3
ontime	41953.508077562
livetime	41922.869642263
l2events	2821241



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-08T11:06:16
revision	3

sched_exp_time	42121.000000
ontime	42259.726840883
l1events	3754407

2.1.3 Events

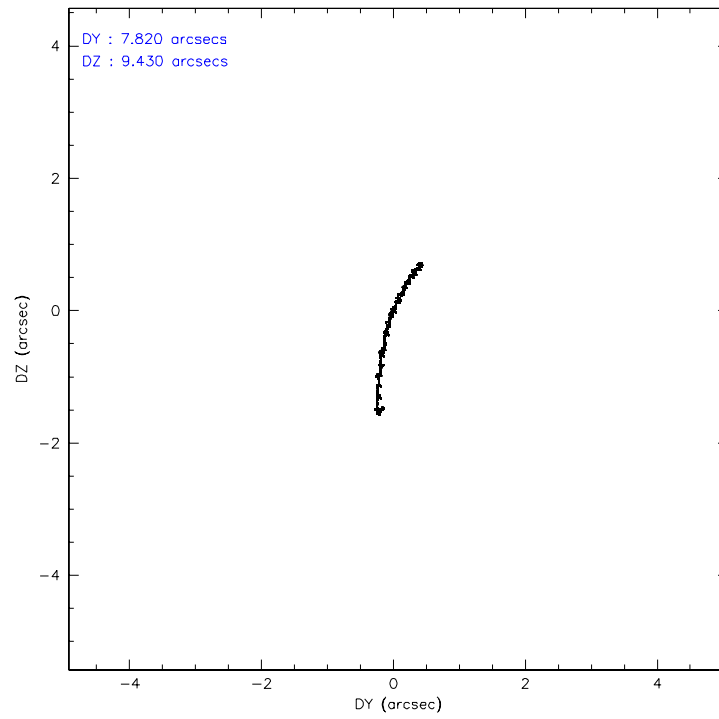
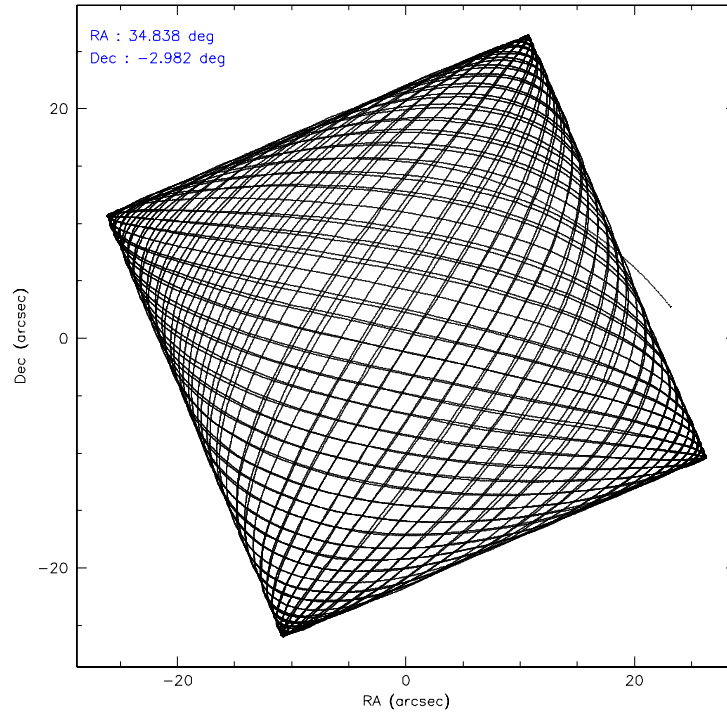
Level 1 Events

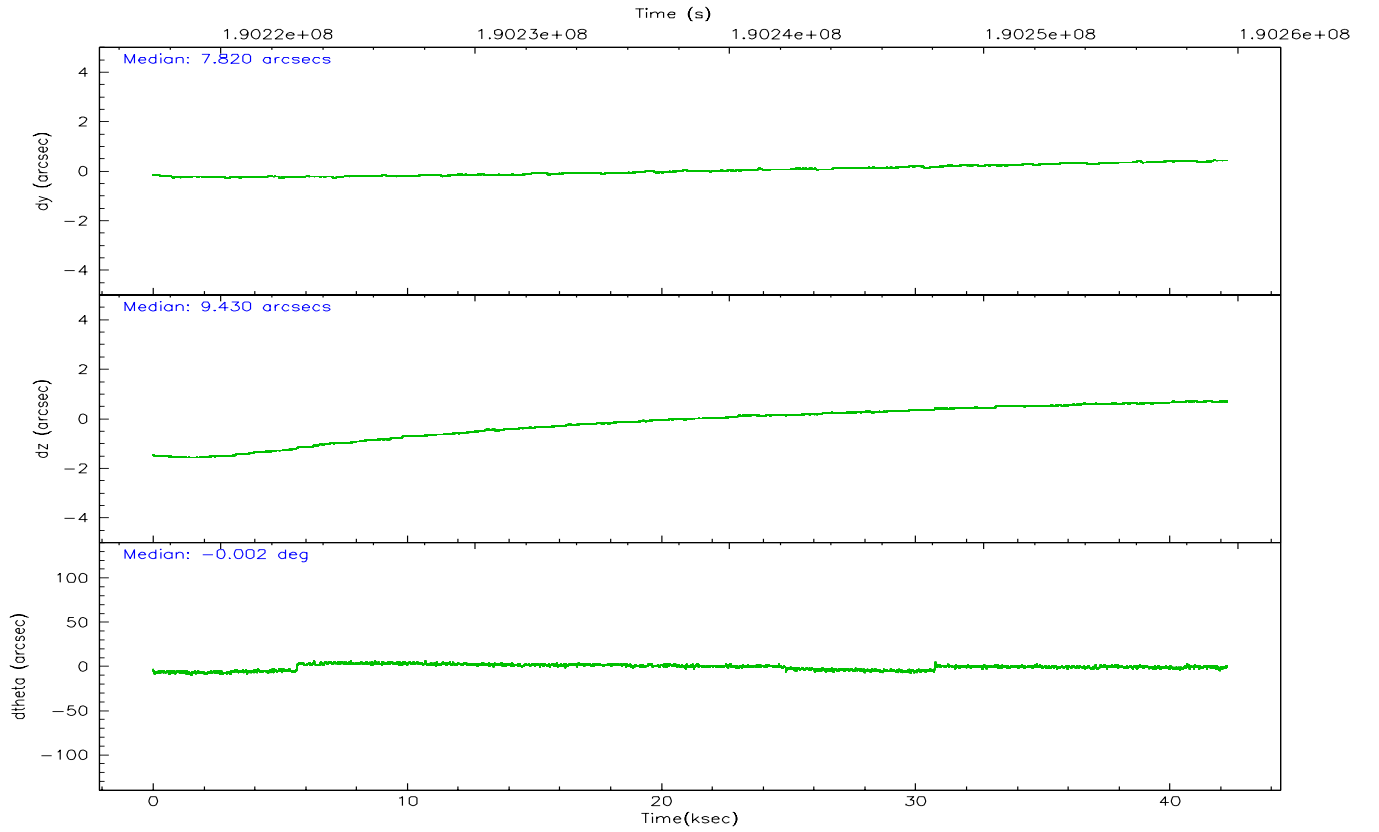
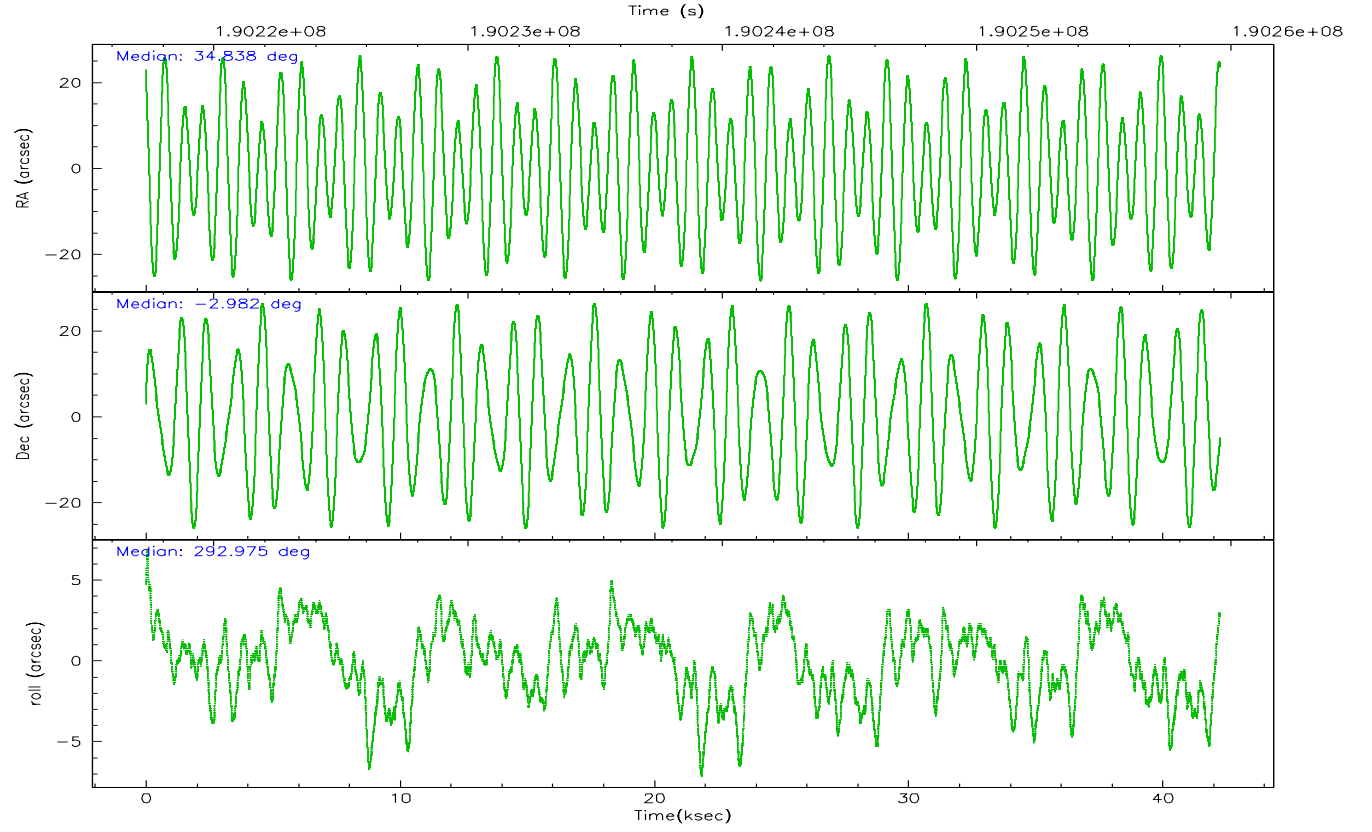
	segment 1	segment 2	segment 3
level 1 events	1321782	1218694	1213931
rejected events	198423	214591	242045
rejected %	15%	17%	19%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	34.814673	34.83837480402554			
Pointing Dec	-2.965930	-2.981969850919387			
Pointing Roll	292.911287	292.9798492188876			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	190217463.184000	190216340.45023			
Observation start date	2004-01-11T14:09:59	2004-01-11T13:52:20			
Observation end time	190259584.184000	190260245.30214			
Observation end date	2004-01-12T01:52:00	2004-01-12T02:04:05			

2.3 Aspect



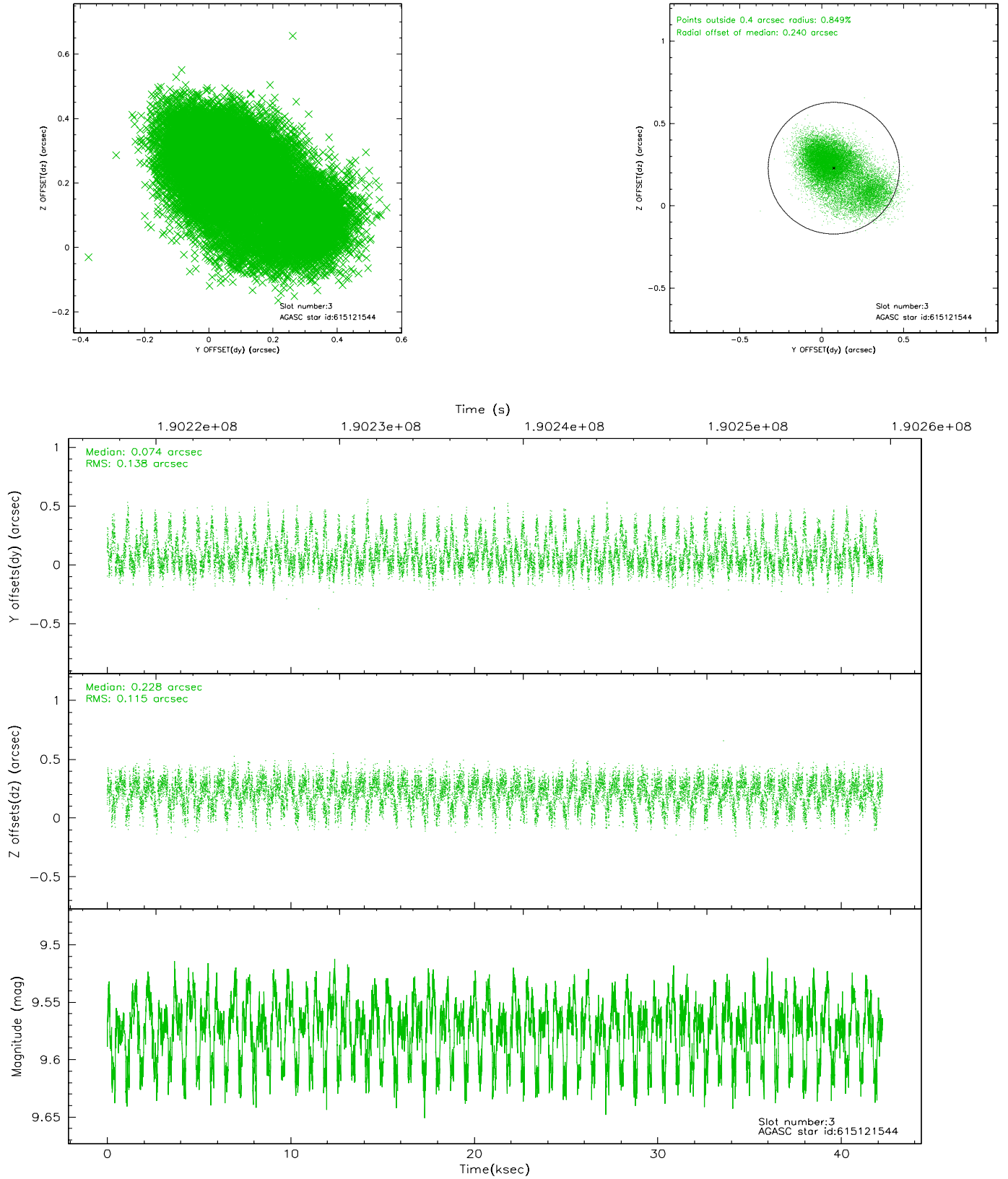


Slot Statistics

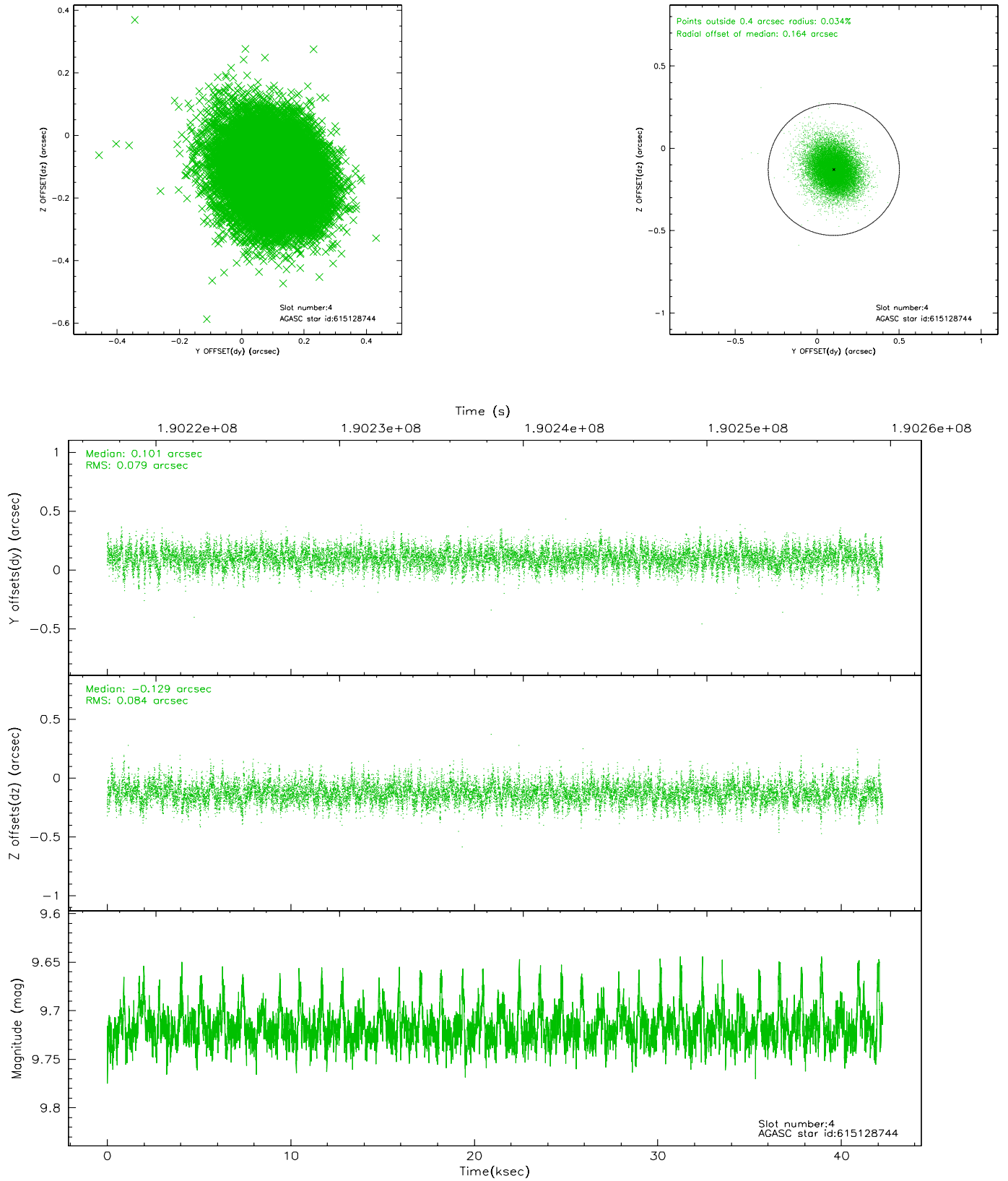
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	10308	0.125	-0.175	0.026	0.067	0.000000	0.000000	-1162.04	-457.84
1	FID	HRC-S-3	7.00	10308	0.072	-0.023	0.027	0.074	0.000000	0.000000	-1164.90	571.78
2	FID	HRC-S-4	6.96	10307	0.192	-0.098	0.009	0.016	0.000000	0.000000	1236.20	574.30
3	GUIDE	615121544	9.57	20610	0.074	0.228	0.185	0.332	34.477810	-2.784253	-1073.29	-860.73
4	GUIDE	615128744	9.72	20593	0.101	-0.129	0.121	0.203	34.665081	-3.483267	1506.69	-1219.96
5	GUIDE	615258928	9.97	20561	0.162	0.088	0.173	0.281	35.464337	-3.241835	1825.39	1764.34
6	GUIDE	614734344	8.70	20609	-0.275	0.050	0.092	0.148	34.946145	-2.225313	-2271.70	1473.95
7	GUIDE	615121360	9.69	20603	-0.086	-0.219	0.159	0.260	34.206276	-2.936187	-949.26	-1973.05

2.4 Star Slots

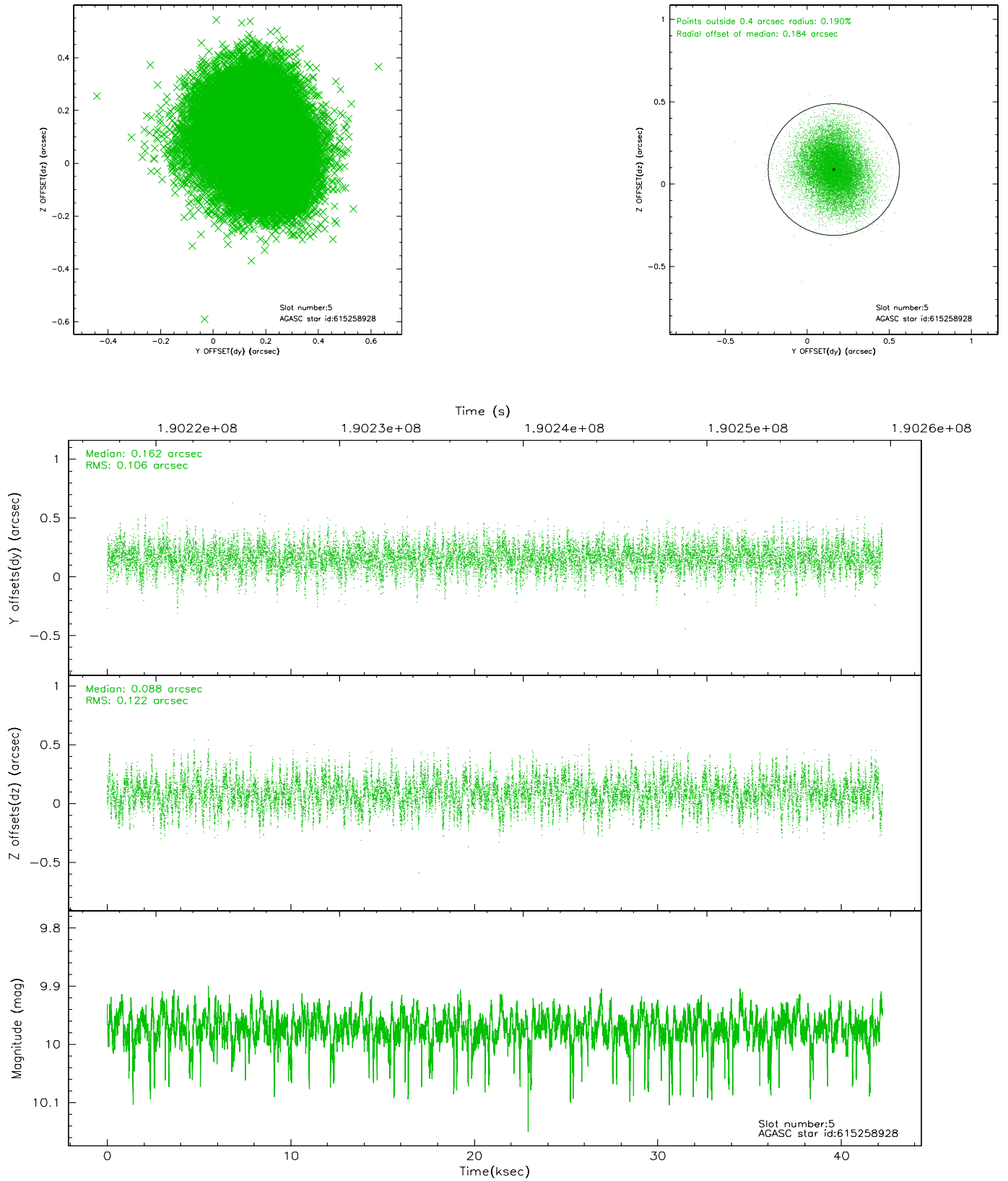
2.4.1 Slot 3



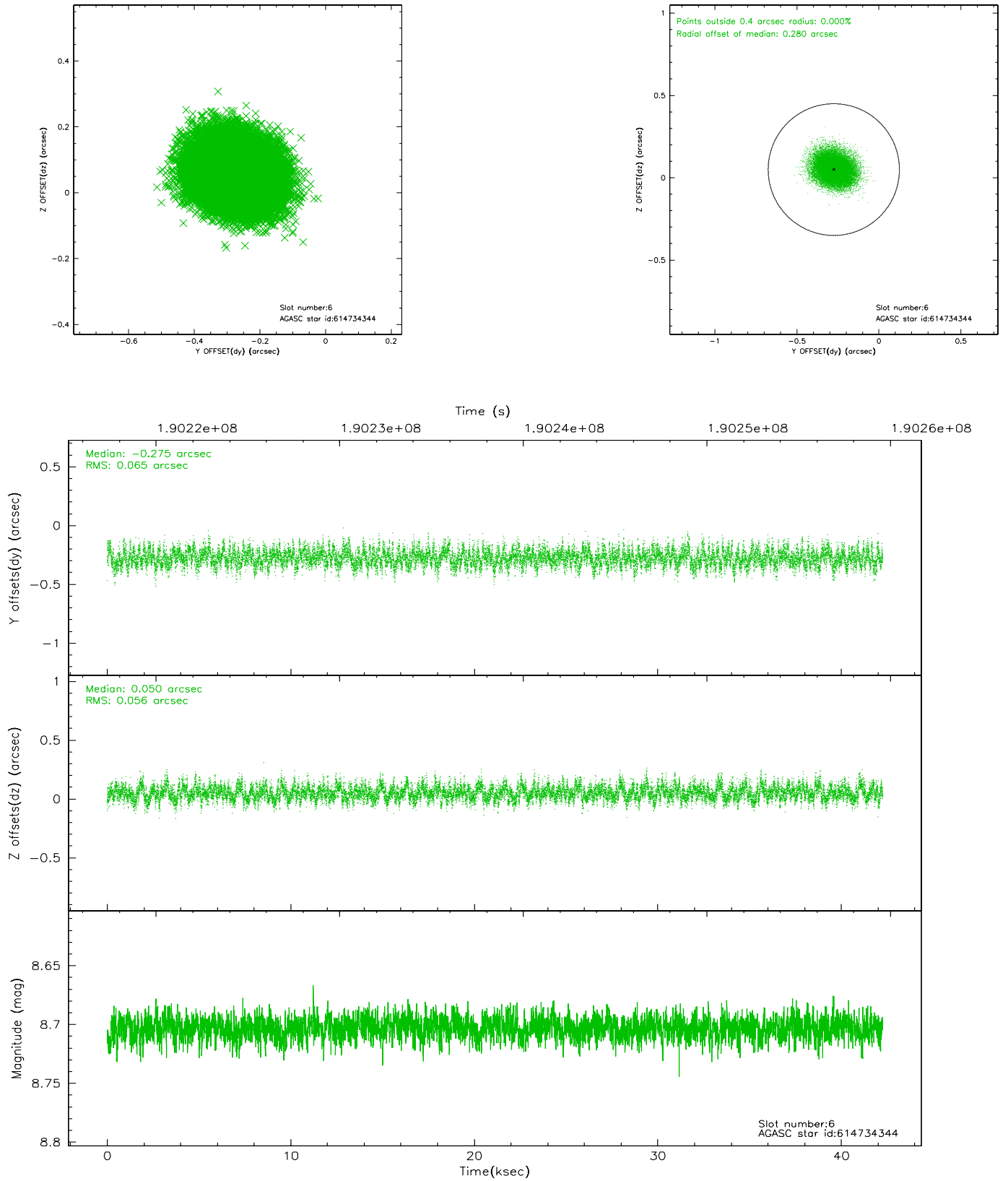
2.4.2 Slot 4



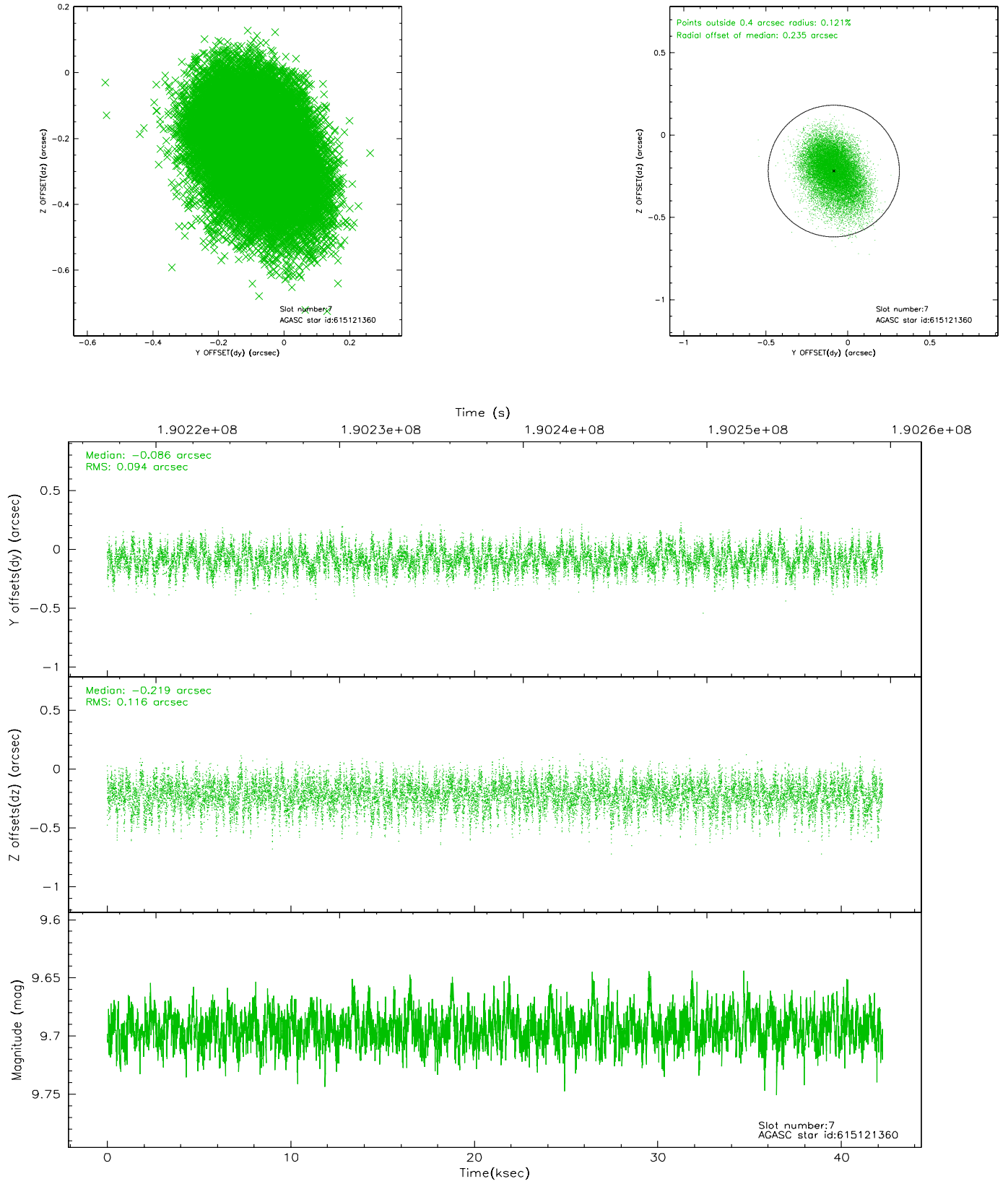
2.4.3 Slot 5



2.4.4 Slot 6

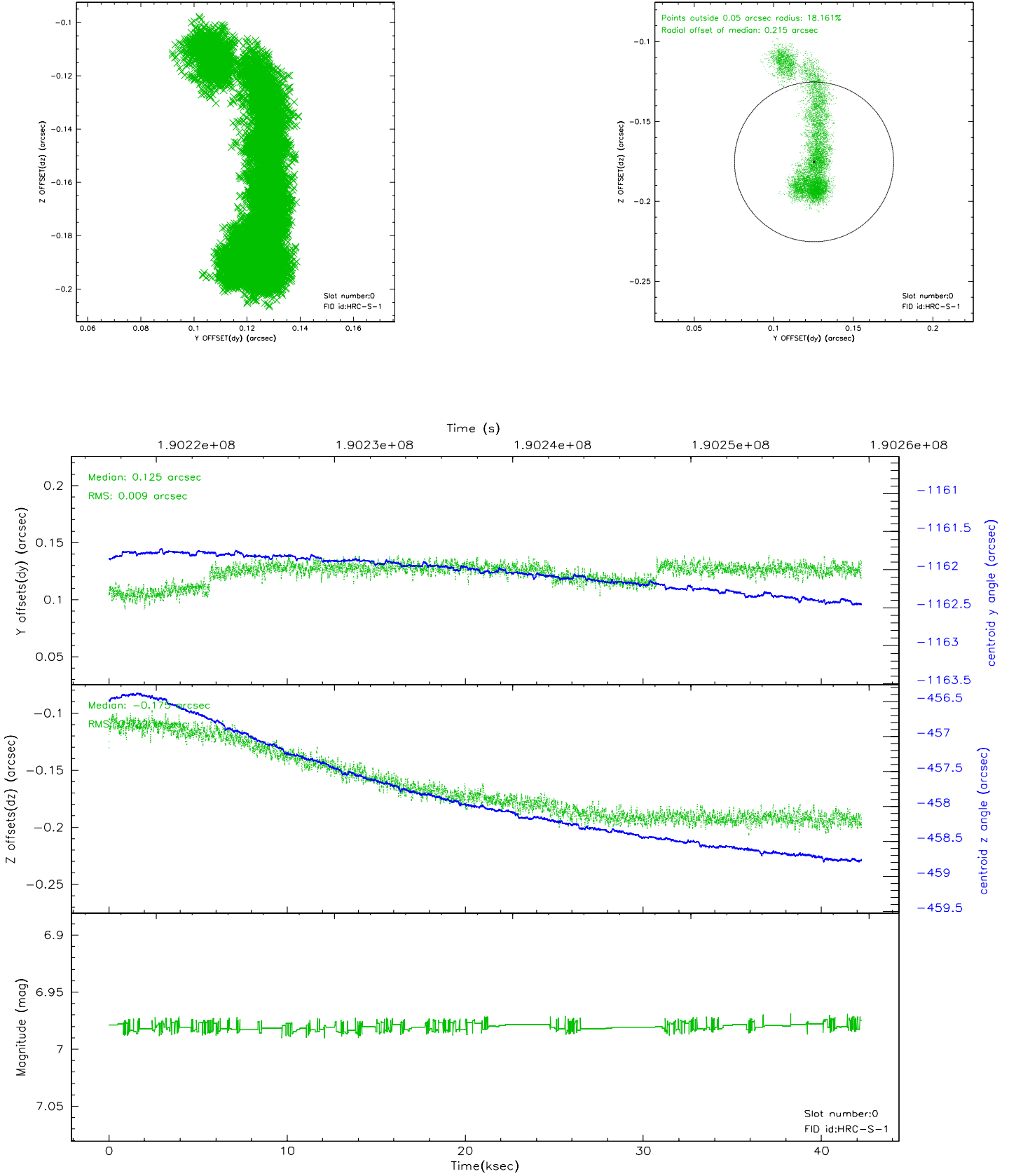


2.4.5 Slot 7

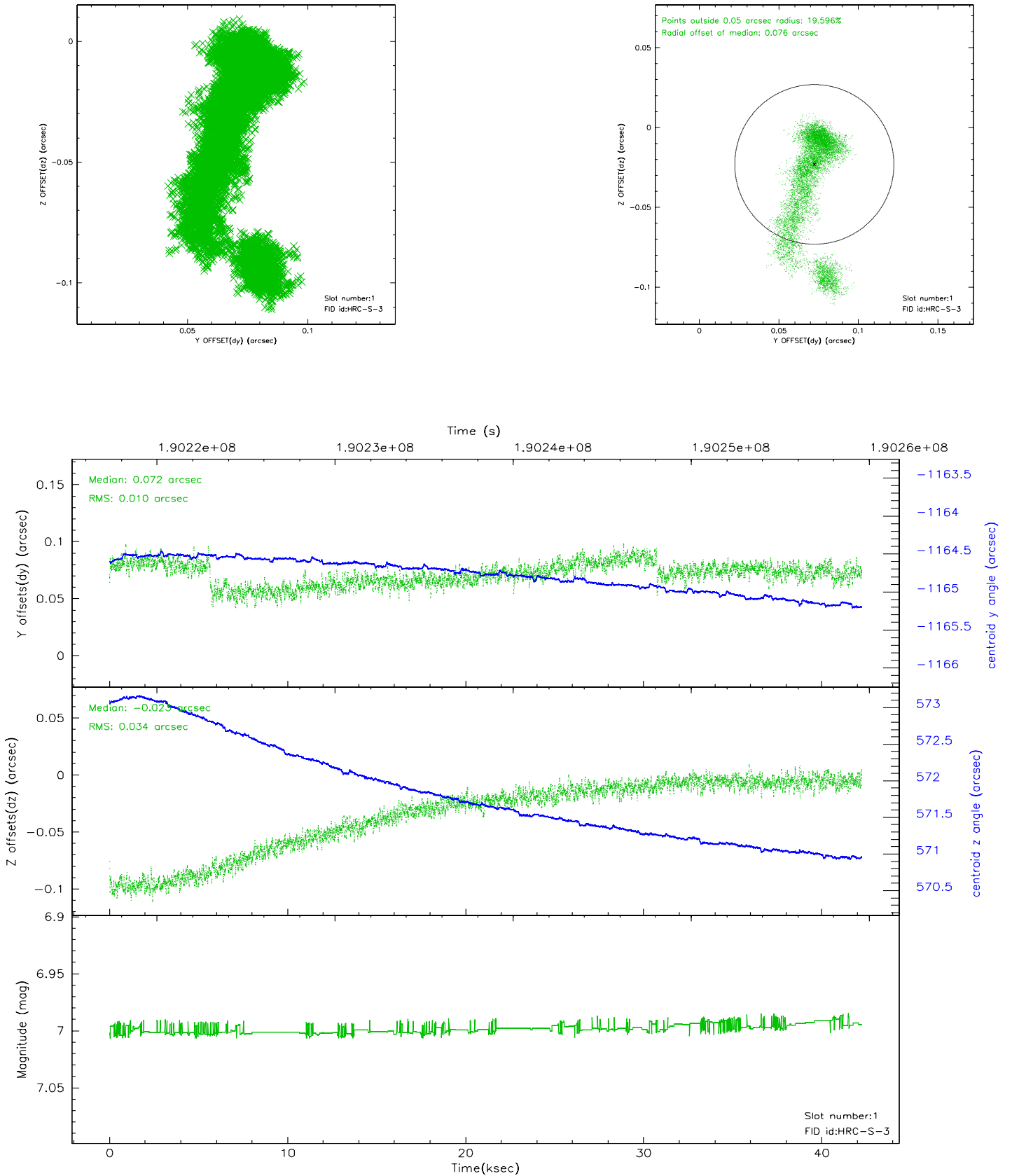


2.5 FID Slots

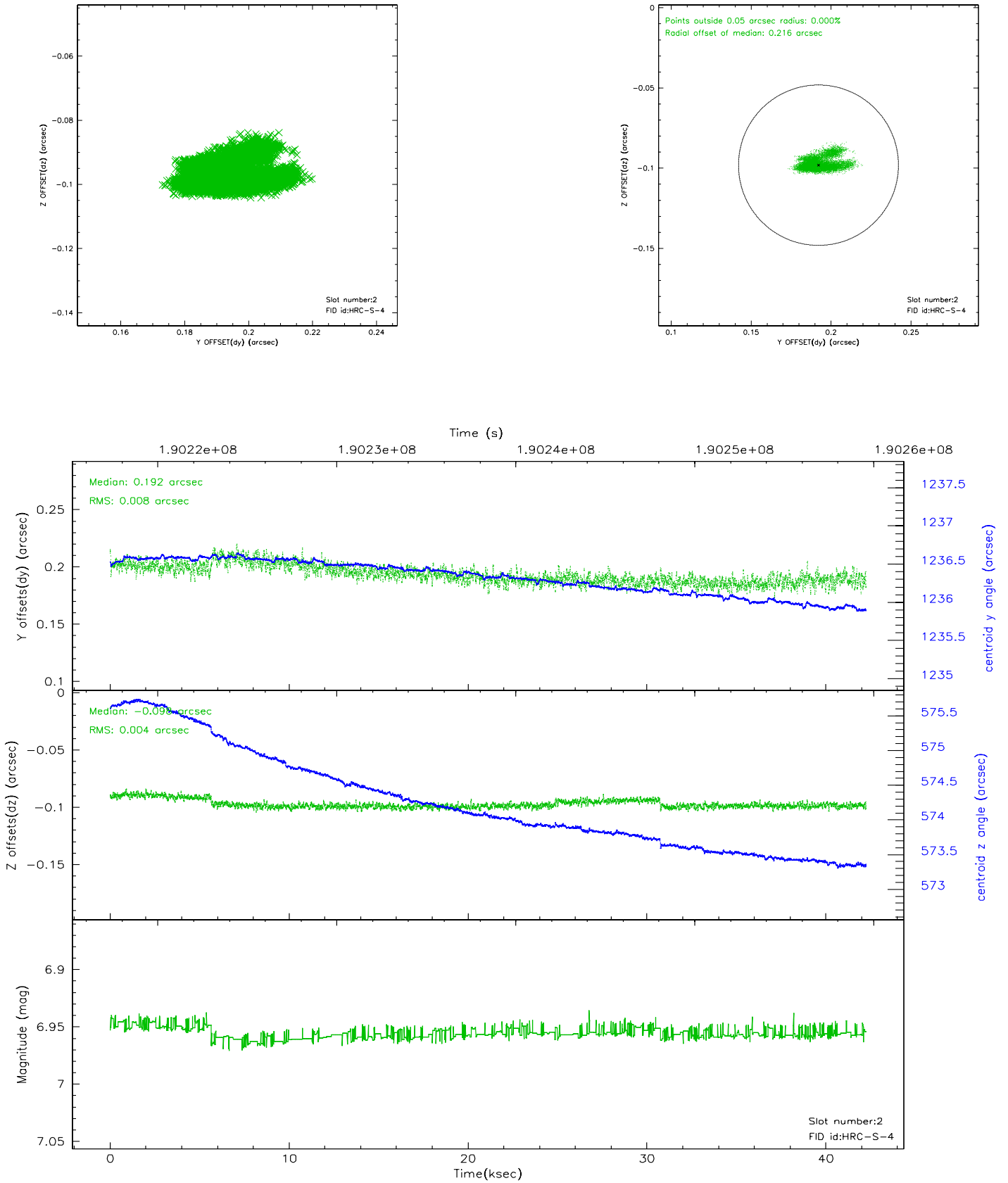
2.5.1 Slot 0



2.5.2 Slot 1

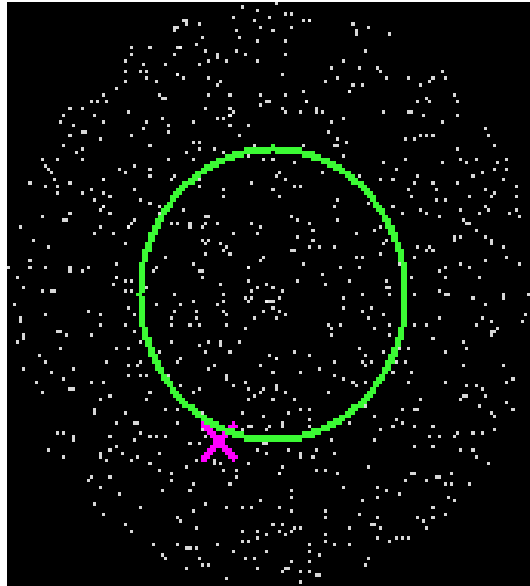


2.5.3 Slot 2

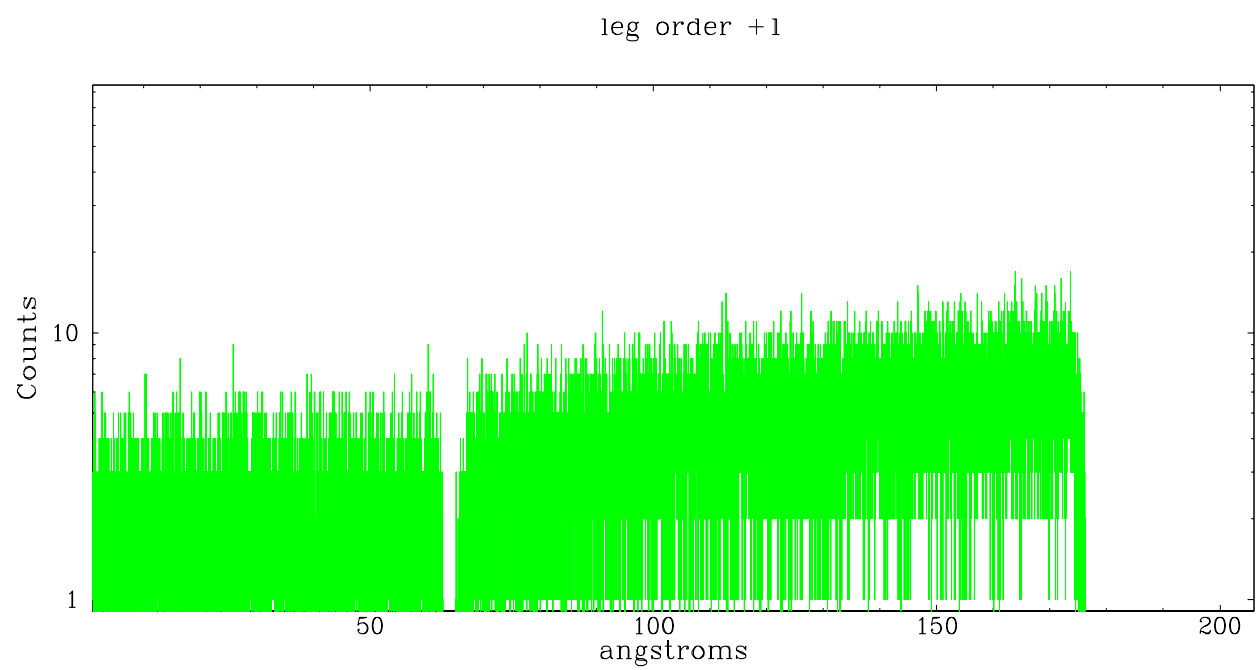
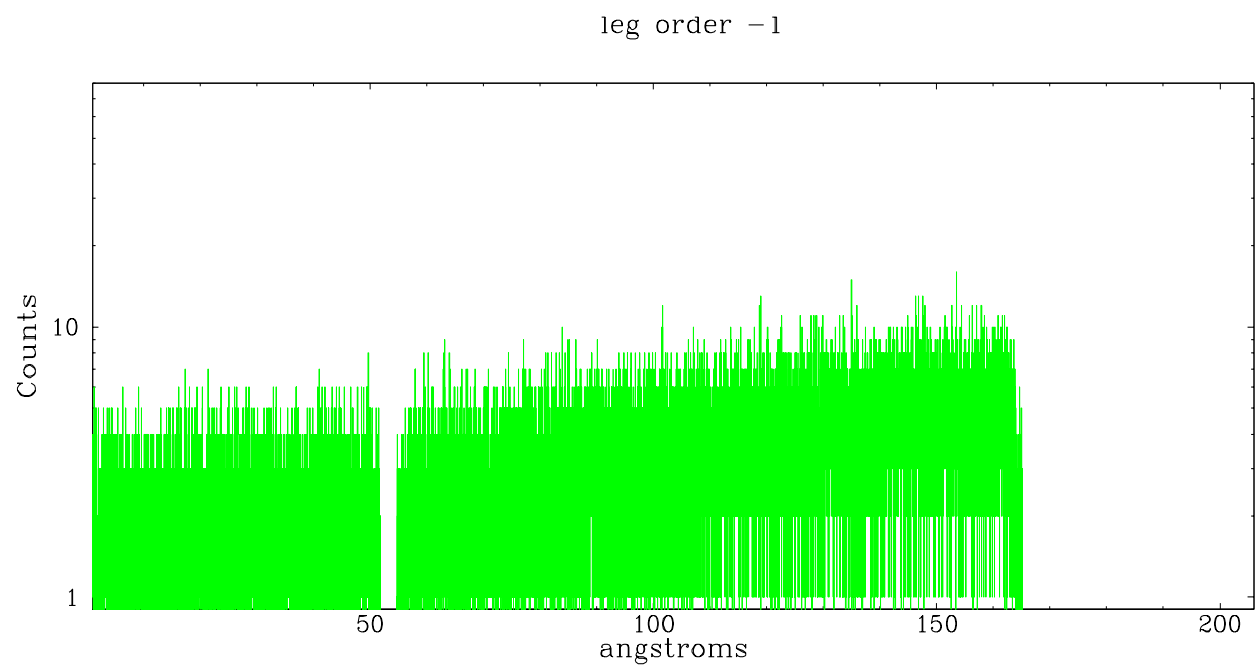


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.953

A.2 Comments

The keywords DTCOR, EXPOSURE, and LIVETIME in the Level 2 event file and the

keyword DTCOR in the Level 1 event file have been incorrectly determined due to a software bug. The correct value of DTCOR can be found in the file DTFSTATS file that can be obtained by downloading the secondary data products. In most cases, the difference between the correct DTCOR value and the incorrect DTCOR value in the Level 2 event file is very small and does not affect the data analysis. However, there are cases of significant differences and the user is advised to use the DTCOR in the DTFSTATS file for analysis. Corrected data products will be made available in the archive as soon as feasible