

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5395 - L2 Version 002
Chandra X-Ray Center

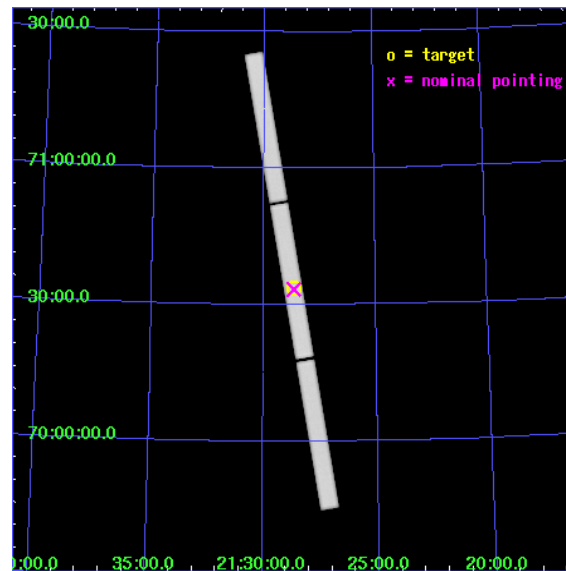
L2 Processing Date : Apr 4 2006

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1 Front

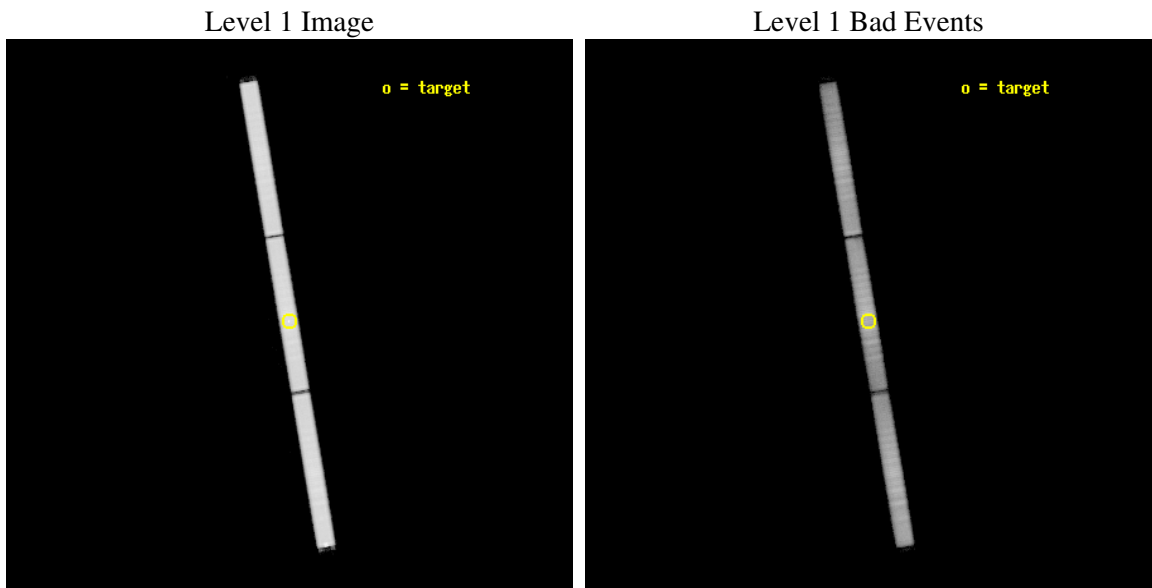
seq_num	200330
obs_id	5395
title	The location and spatial structure of the X-ray emitting plasma in the magnetically confined environment of beta Cep
observer	Dr Coralie Neiner
object	beta Cep
ra_targ	322.165
dec_targ	70.560717
ra_nom	322.16235995827
dec_nom	70.55610634982
roll_nom	260.26982962963
revision	2
ontime	36432.601681203
livetime	36181.960434713
l2events	2039397



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-04T12:20:32
revision	2

sched_exp_time	36245.000000
ontime	36434.651679963
l1events	3029217

2.1.3 Events

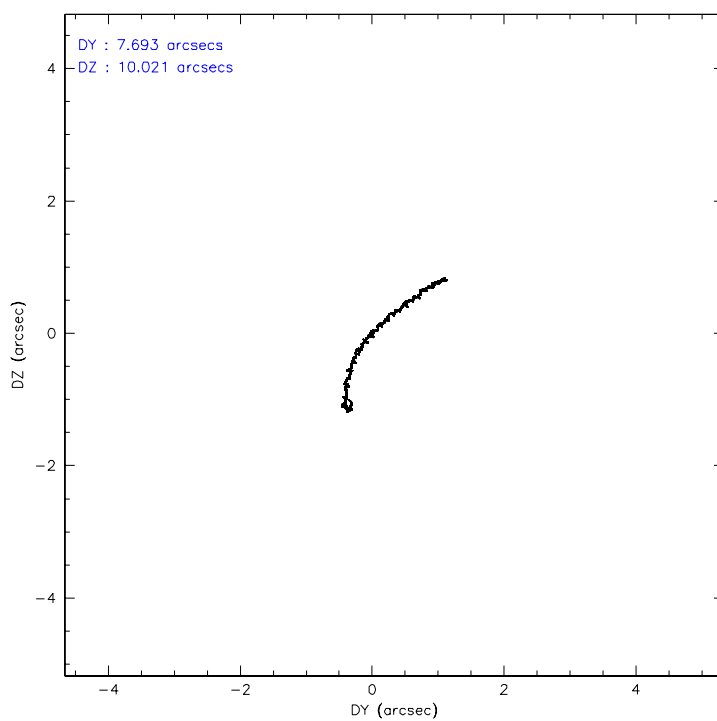
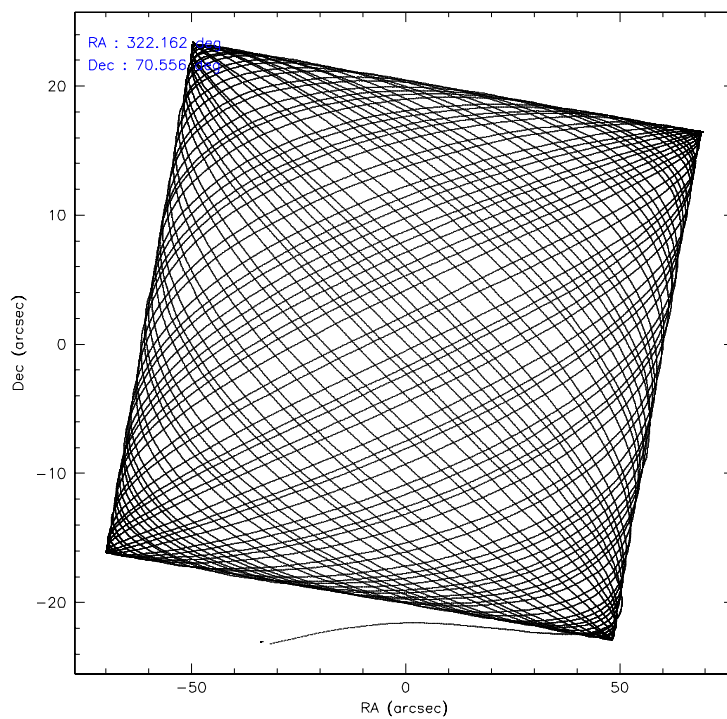
Level 1 Events

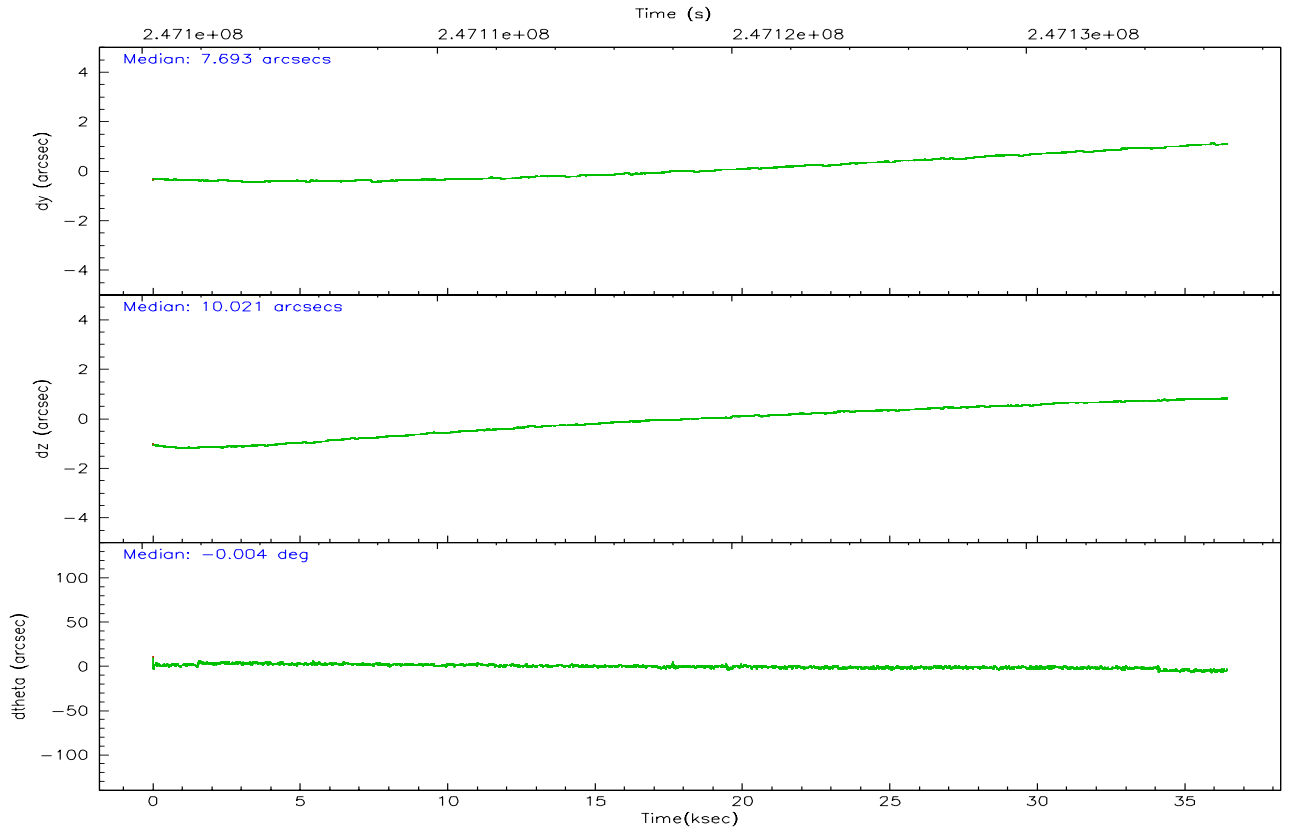
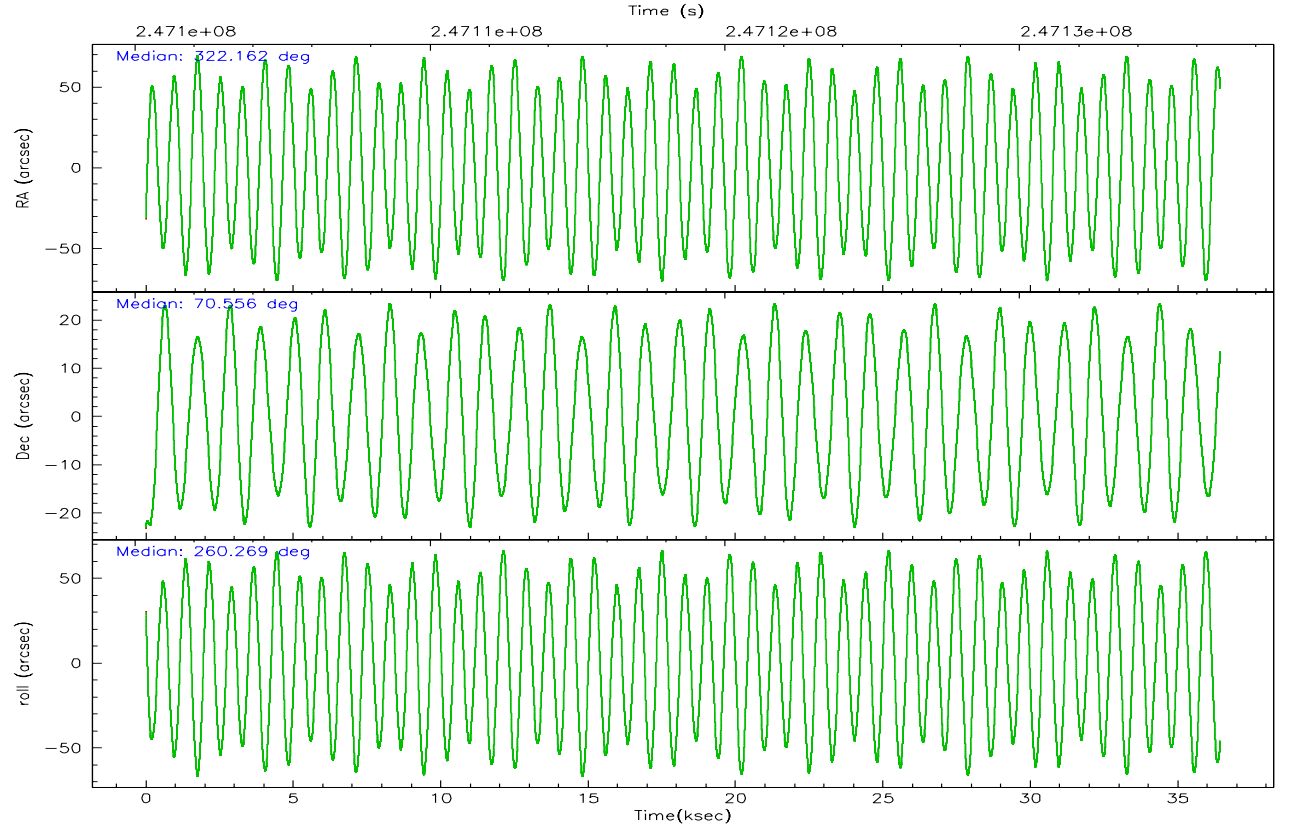
	segment 1	segment 2	segment 3
level 1 events	1011057	994233	1023927
rejected events	210975	231864	254991
rejected %	20%	23%	24%

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	322.128446	322.1623599582726			
Pointing Dec	70.582433	70.55610634982047			
Pointing Roll	260.234471	260.2698296296345			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Phase constraints	Y	Y			
Phase period	12.000750	12.000750			
Phase epoch	53962.310000	53962.310000			
Phase start	0.966245	0.966245			
Phase end	0.033755	0.033755			
Phase start error	0.020000	0.020000			
Phase end error	0.020000	0.020000			
Observation start time	247100563.184000	247099686.63067			
Observation start date	2005-10-30T23:01:39	2005-10-30T22:48:06			
Observation end time	247136808.184000	247137513.23241			
Observation end date	2005-10-31T09:05:44	2005-10-31T09:18:33			

2.3 Aspect



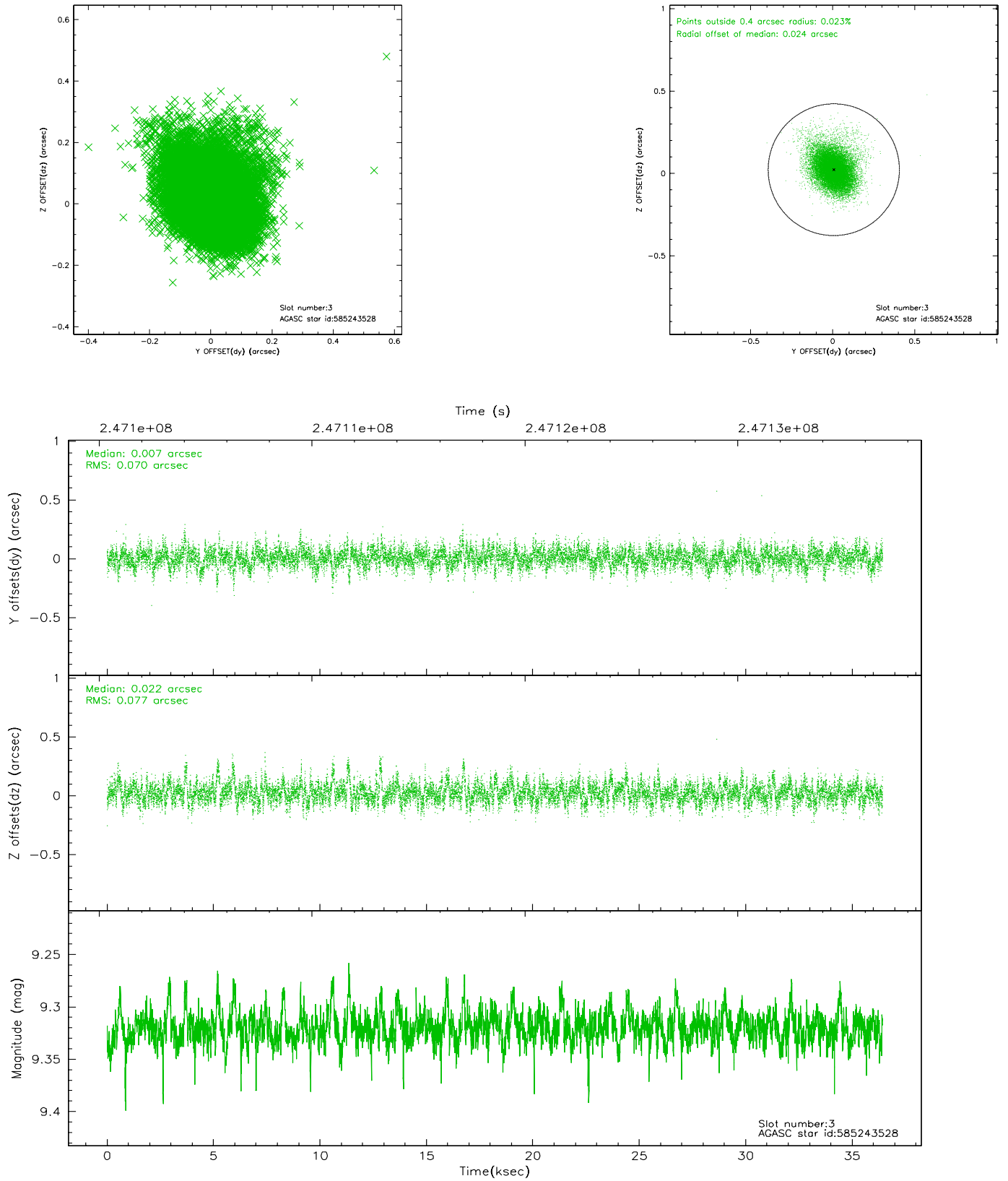


Slot Statistics

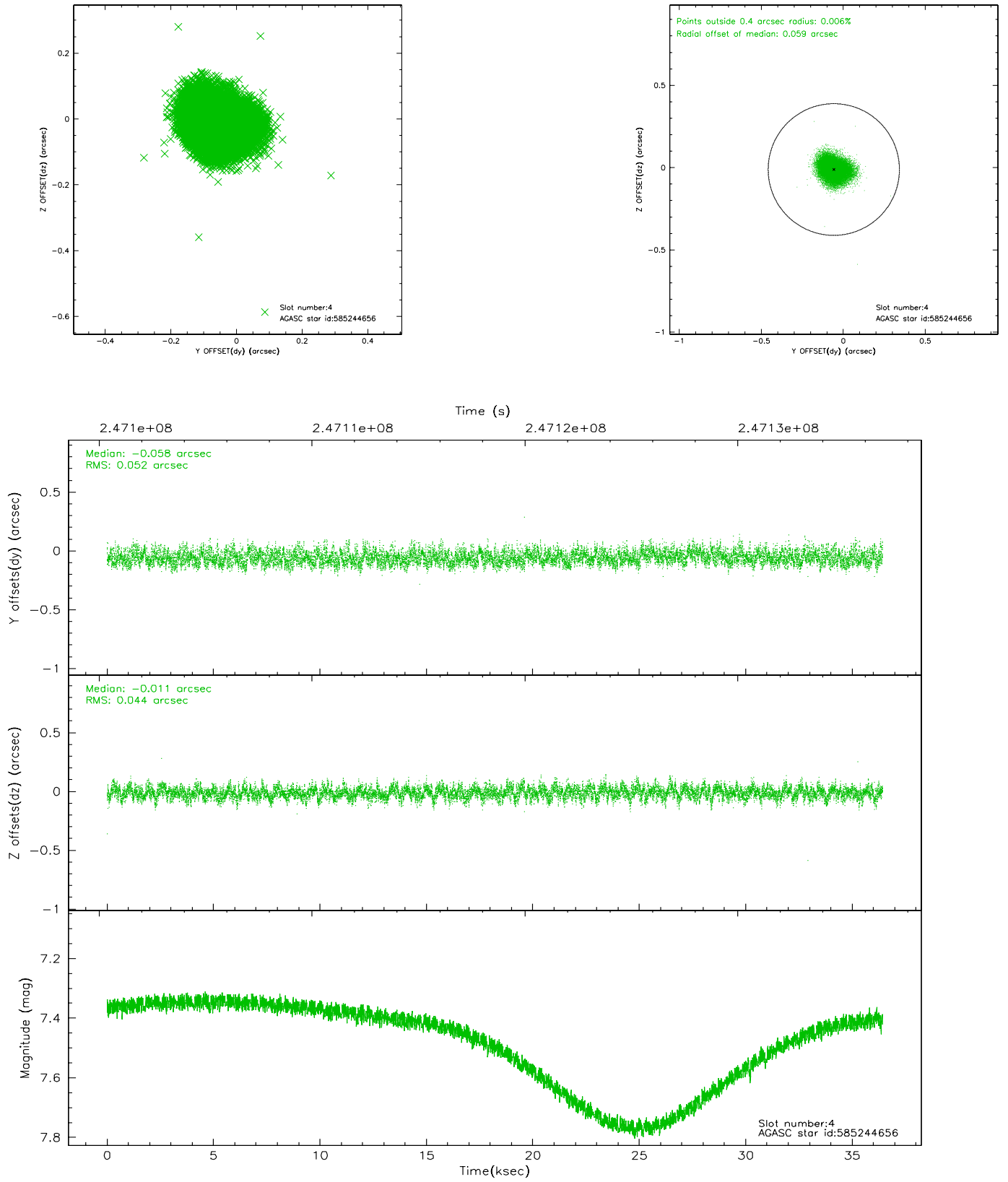
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	8887	0.078	-0.134	0.013	0.030	0.000000	0.000000	-1162.02	-458.60
1	FID	HRC-S-2	7.04	8887	0.114	-0.107	0.033	0.062	0.000000	0.000000	1237.55	-451.24
2	FID	HRC-S-4	7.02	8887	0.210	-0.061	0.028	0.057	0.000000	0.000000	1236.49	573.53
3	GUIDE	585243528	9.32	17763	0.007	0.022	0.107	0.186	323.001841	70.190189	1203.84	1288.59
4	GUIDE	585244656	7.43	17767	-0.058	-0.011	0.074	0.115	322.746463	70.823219	-981.78	572.63
5	GUIDE	585245544	7.36	17774	-0.024	-0.060	0.069	0.116	321.319997	70.477535	530.55	-895.32
6	GUIDE	585249712	9.18	17757	0.102	0.027	0.098	0.162	322.943679	70.596904	-222.84	950.70
7	GUIDE	585244168	9.02	17759	-0.029	0.021	0.079	0.129	323.050612	69.955180	2023.91	1503.15

2.4 Star Slots

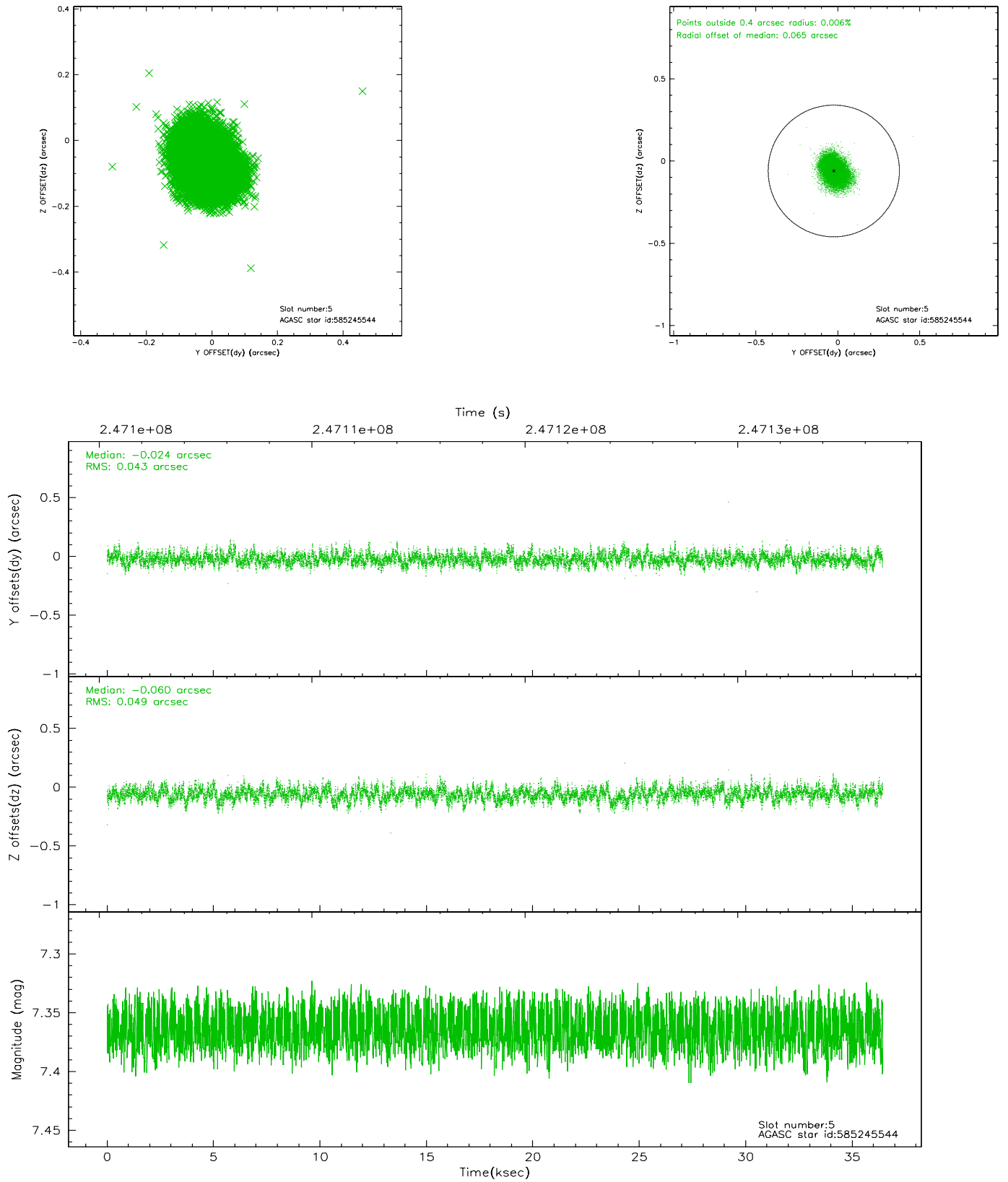
2.4.1 Slot 3



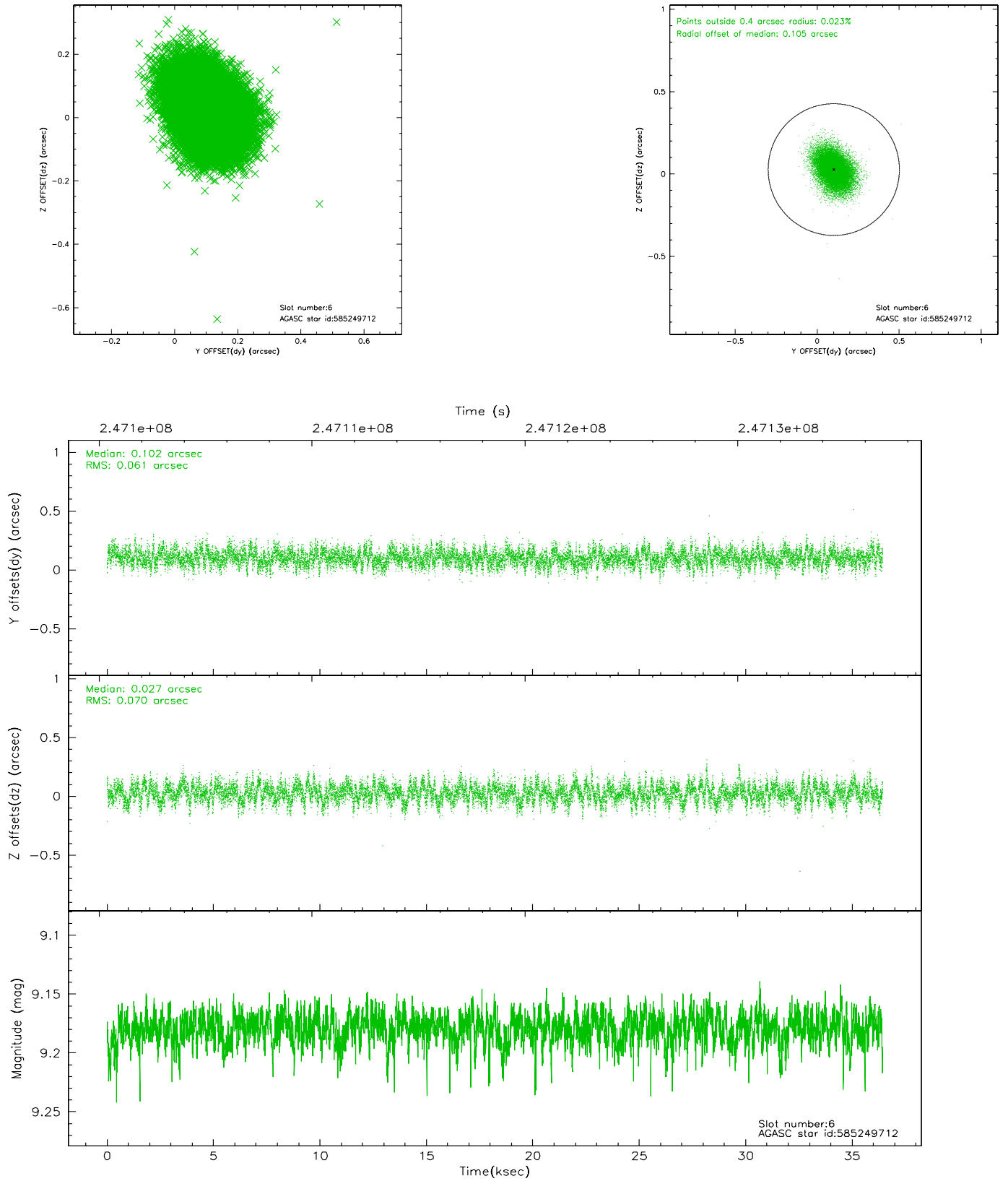
2.4.2 Slot 4



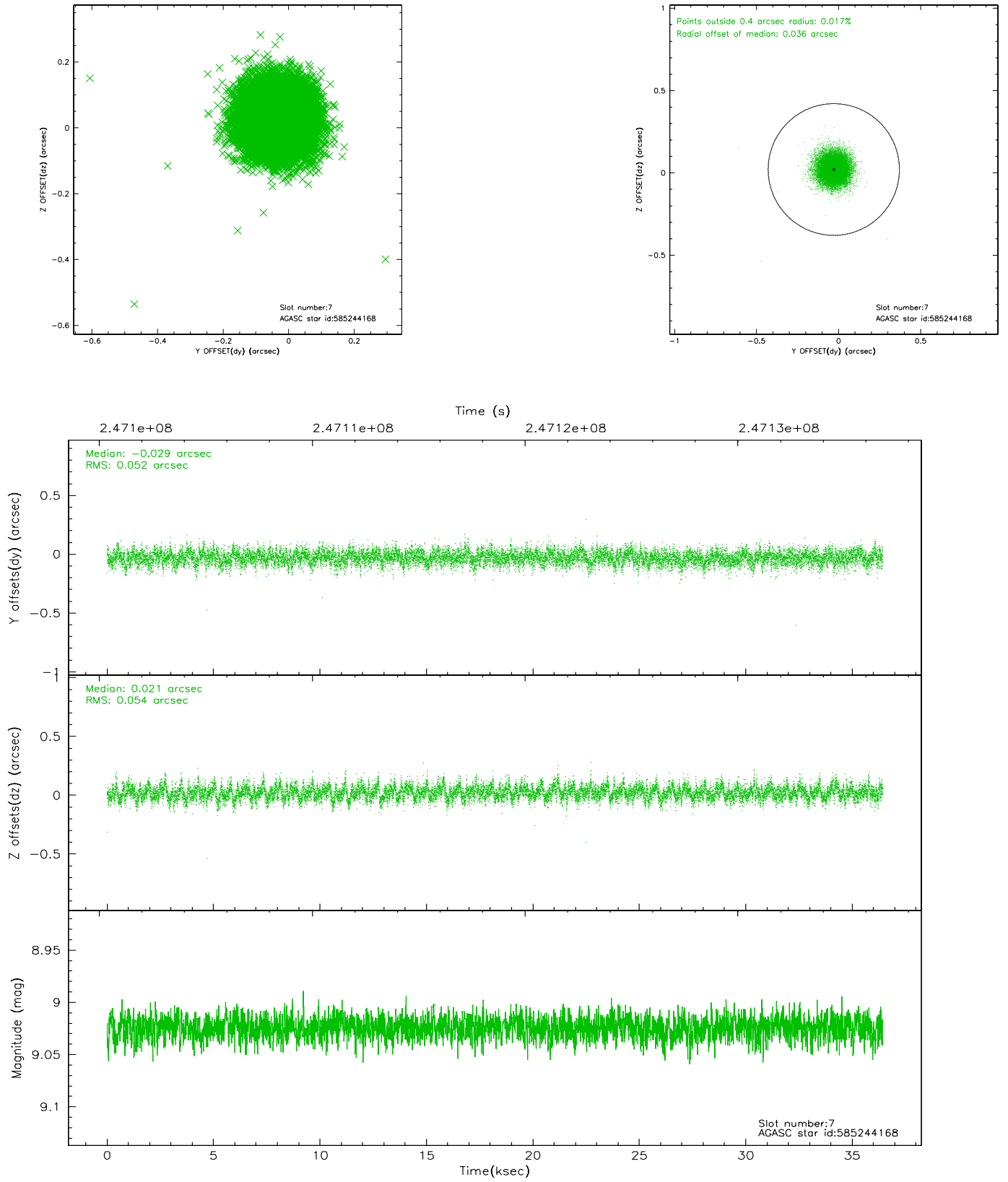
2.4.3 Slot 5



2.4.4 Slot 6

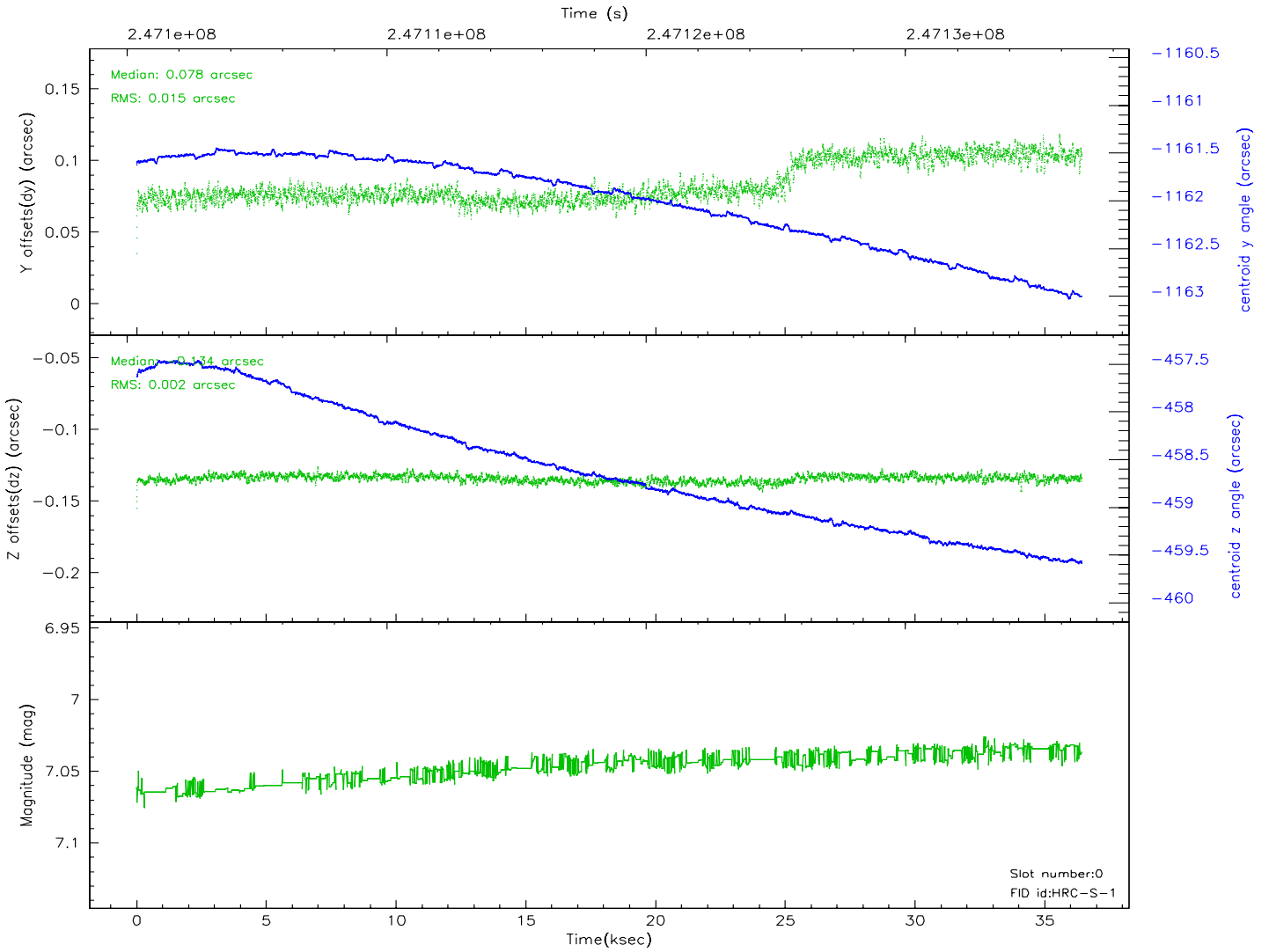
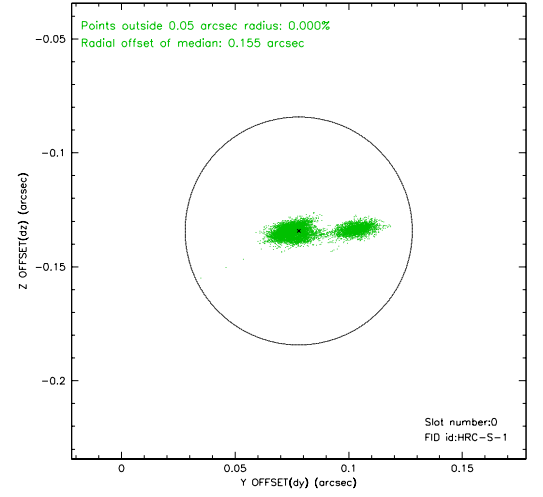
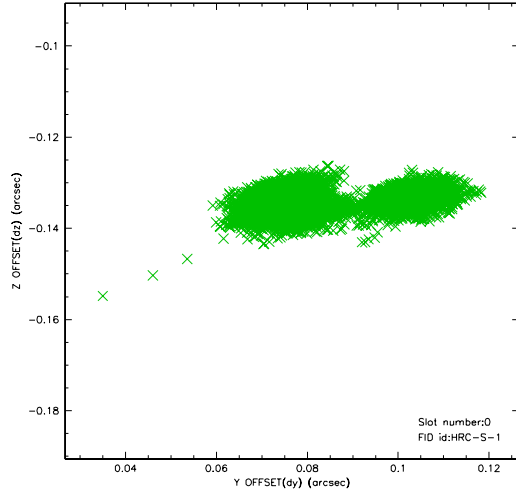


2.4.5 Slot 7

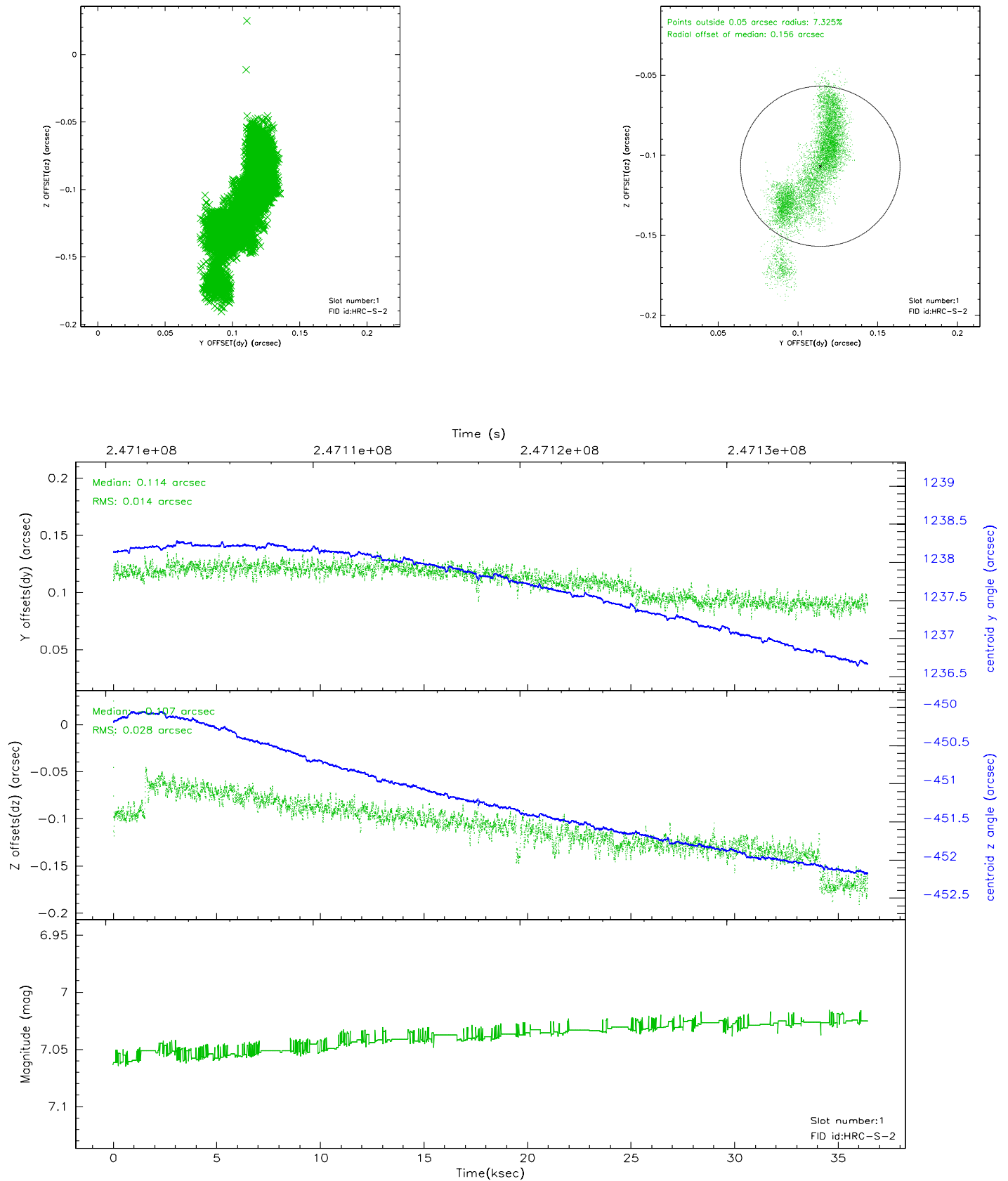


2.5 FID Slots

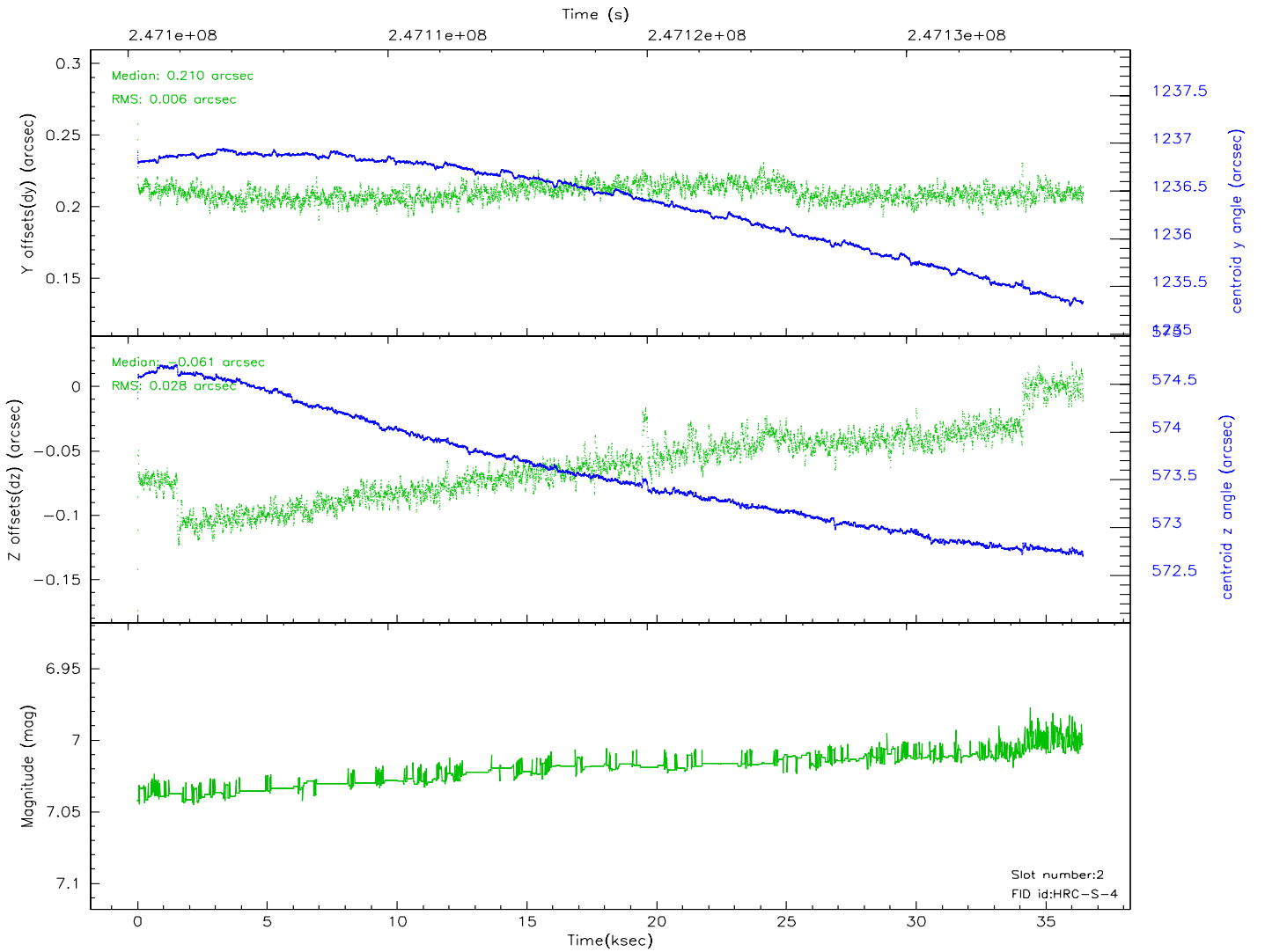
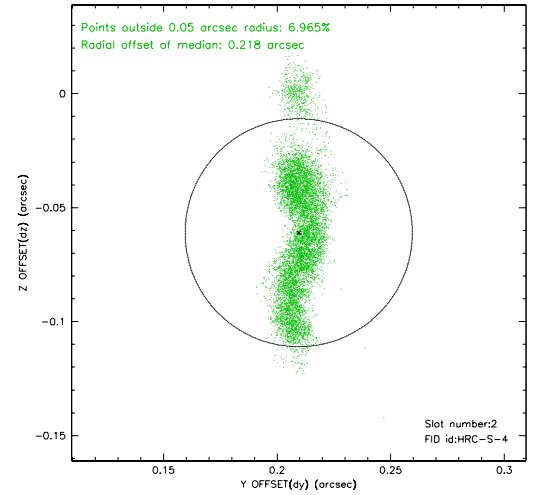
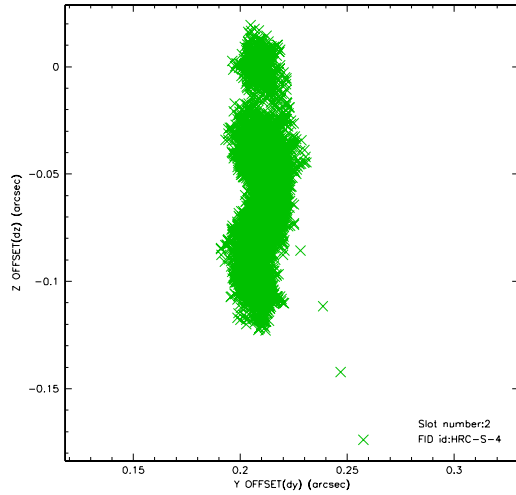
2.5.1 Slot 0



2.5.2 Slot 1

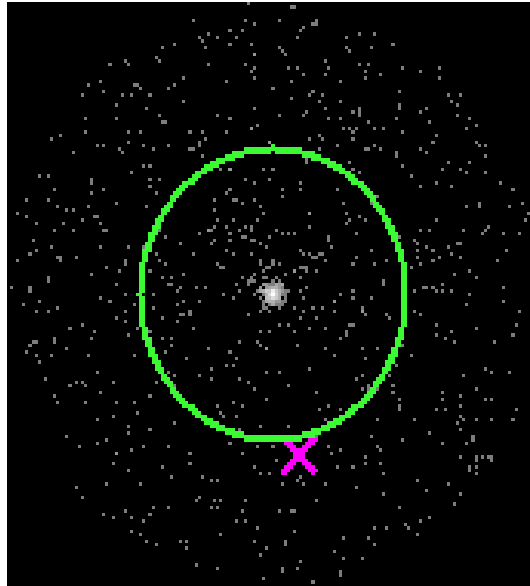


2.5.3 Slot 2

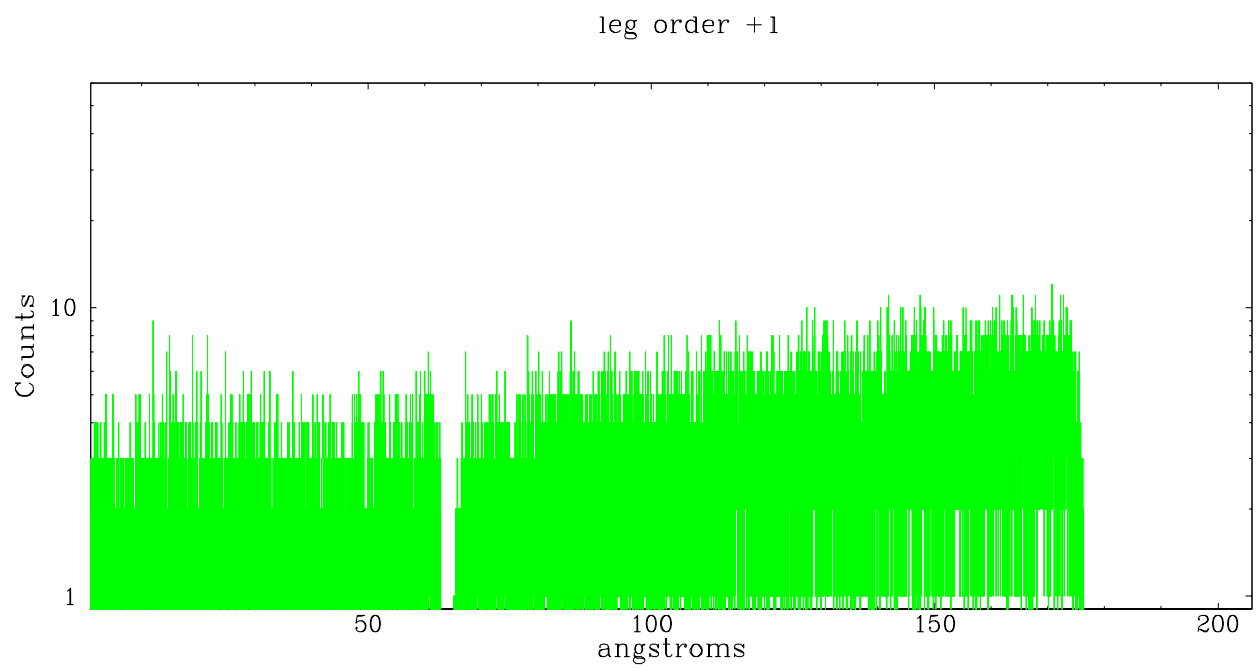
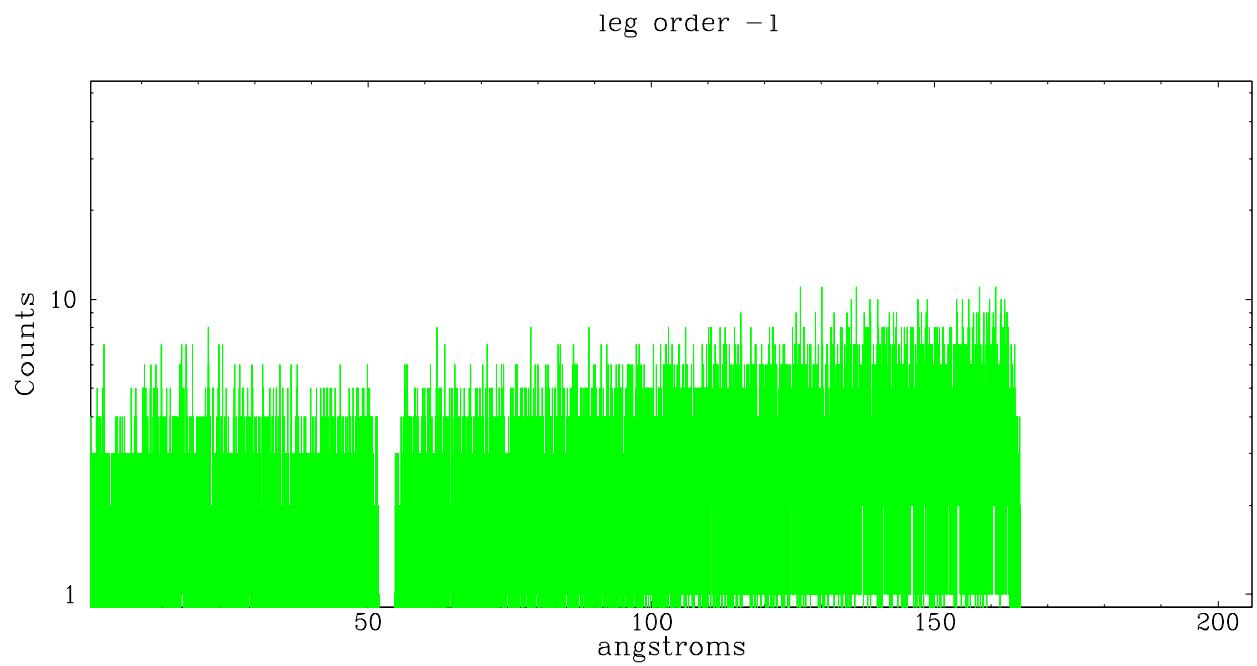


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.4326

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.