

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5347 - L2 Version 001
Chandra X-Ray Center

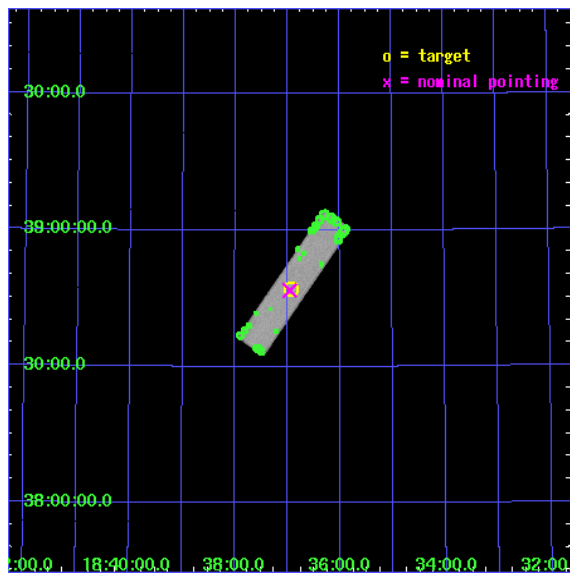
L2 Processing Date : Apr 12 2006

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1 Front

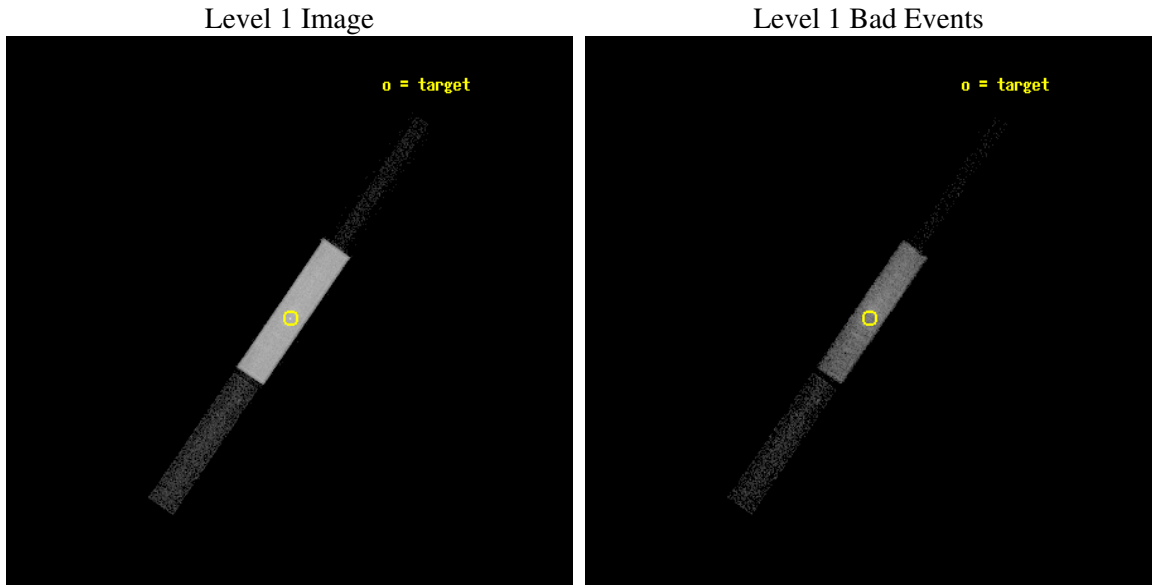
seq_num	290444
obs_id	5347
title	Monitoring the health of the HRC UV Ion shield
observer	Dr. CXC Calibration
object	Vega
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.23836415252
dec_nom	38.780057301192
roll_nom	304.51521436588
revision	2
ontime	3152.1313913167
livetime	3129.6739023742
l2events	147517



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	2006-04-12T05:09:41
revision	2

sched_exp_time	3000.000000
ontime	3190.0563930273
l1events	201373

2.1.3 Events

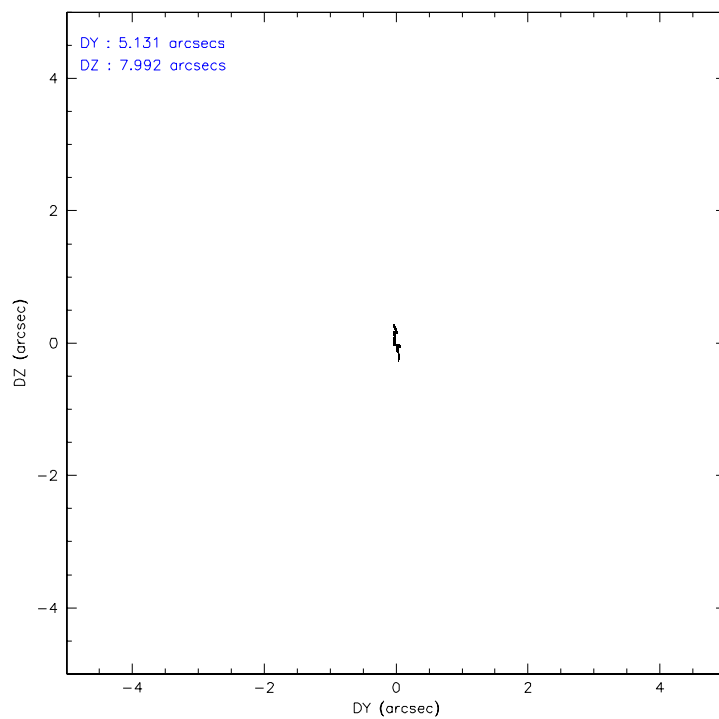
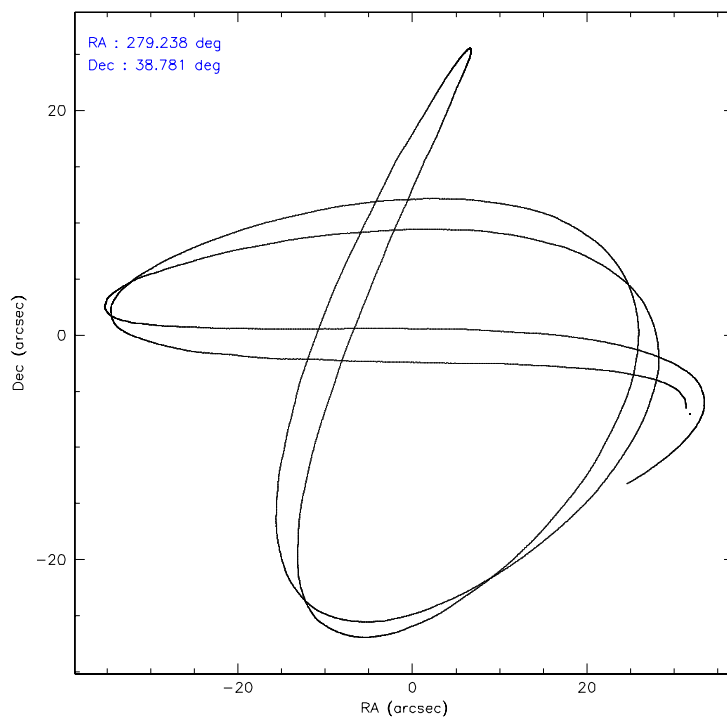
Level 1 Events

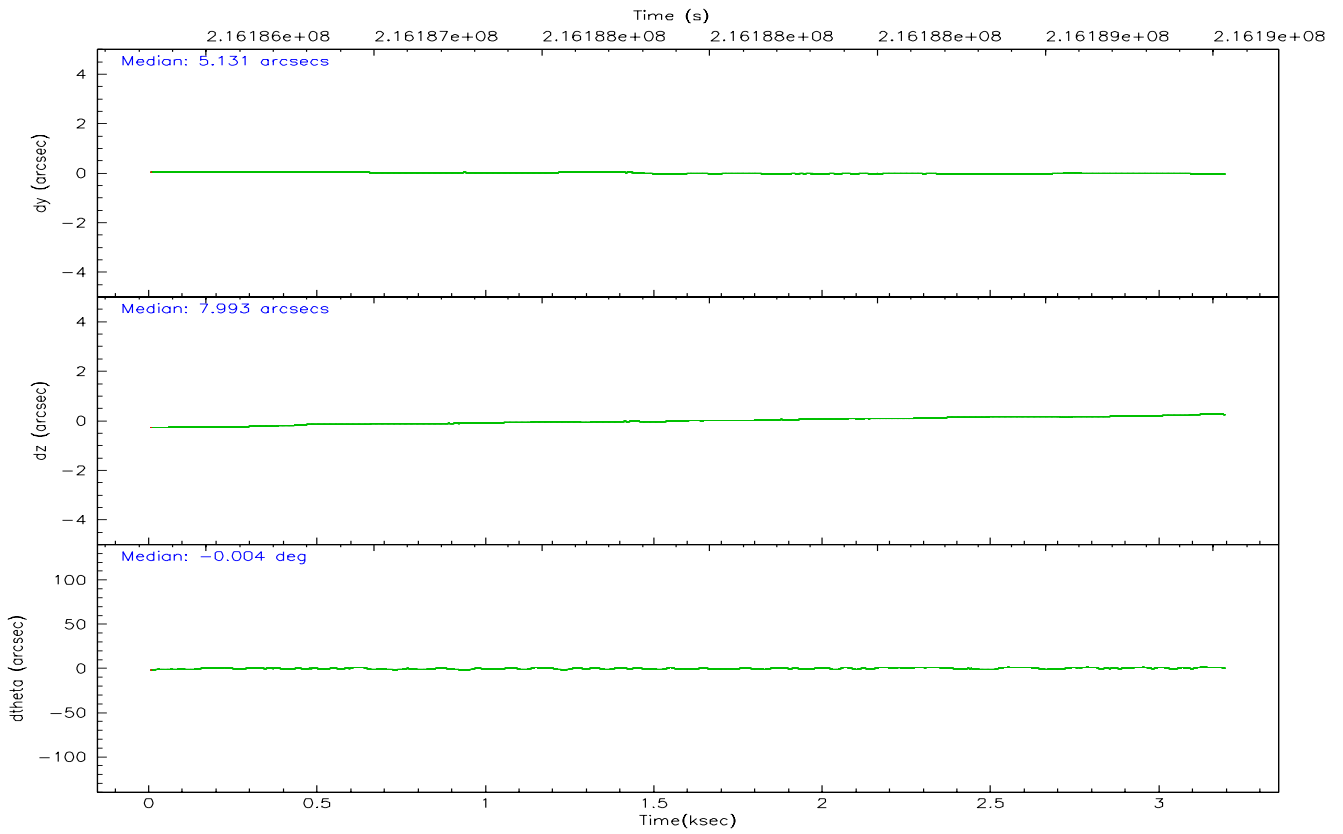
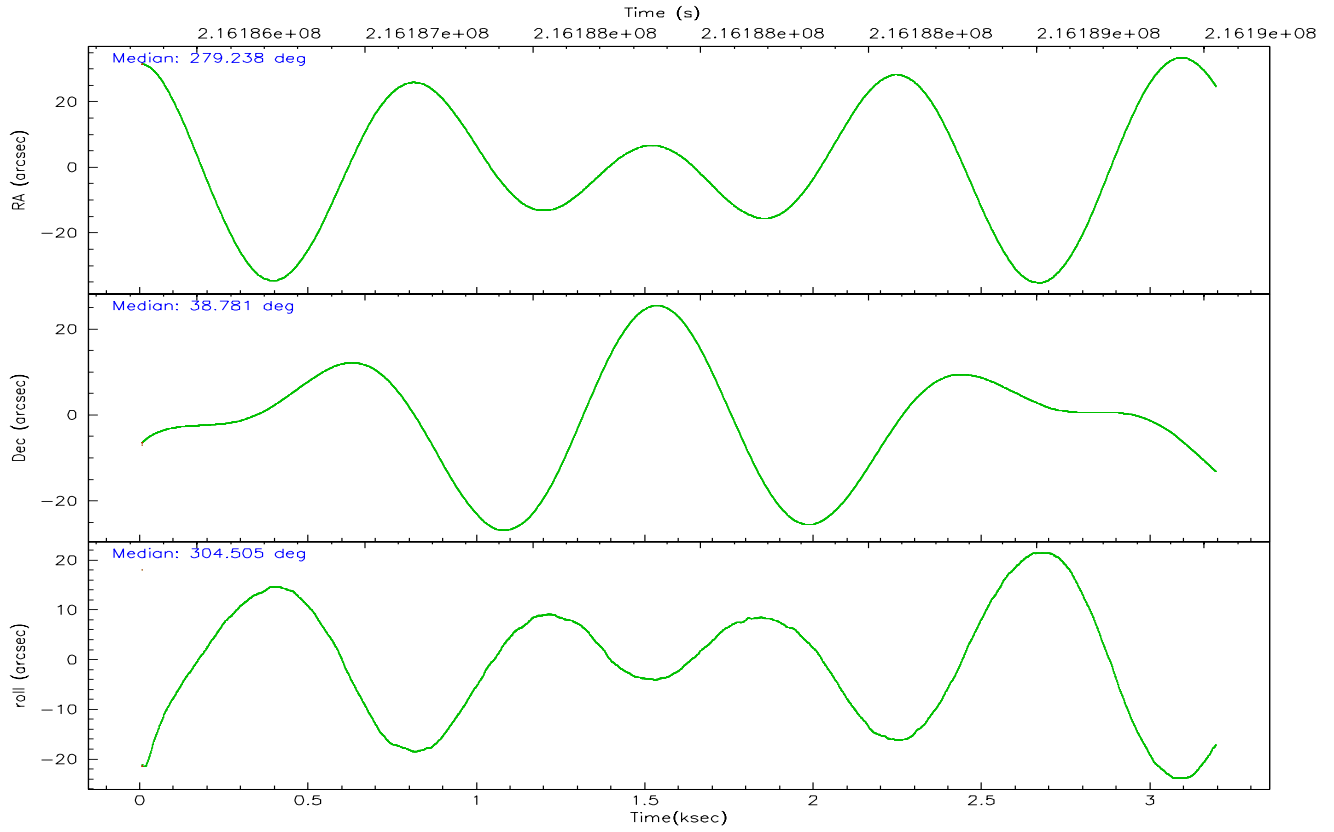
	segment 1	segment 2	segment 3
level 1 events	1021	194714	5638
rejected events	1021	36974	5580
rejected %	100%	18%	98%

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	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	279.204398	279.2383641525199			
Pointing Dec	38.790853	38.78005730119202			
Pointing Roll	304.469180	304.5152143658768			
Window start time	215654464.184000	215654464.184000			
Window stop time	218246404.184000	218246404.184000			
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			
Observation start time	216186534.184000	216186158.26145			
Observation start date	2004-11-07T03:47:50	2004-11-07T03:42:38			
Observation end time	216189534.184000	216189668.37411			
Observation end date	2004-11-07T04:37:50	2004-11-07T04:41:08			

2.3 Aspect



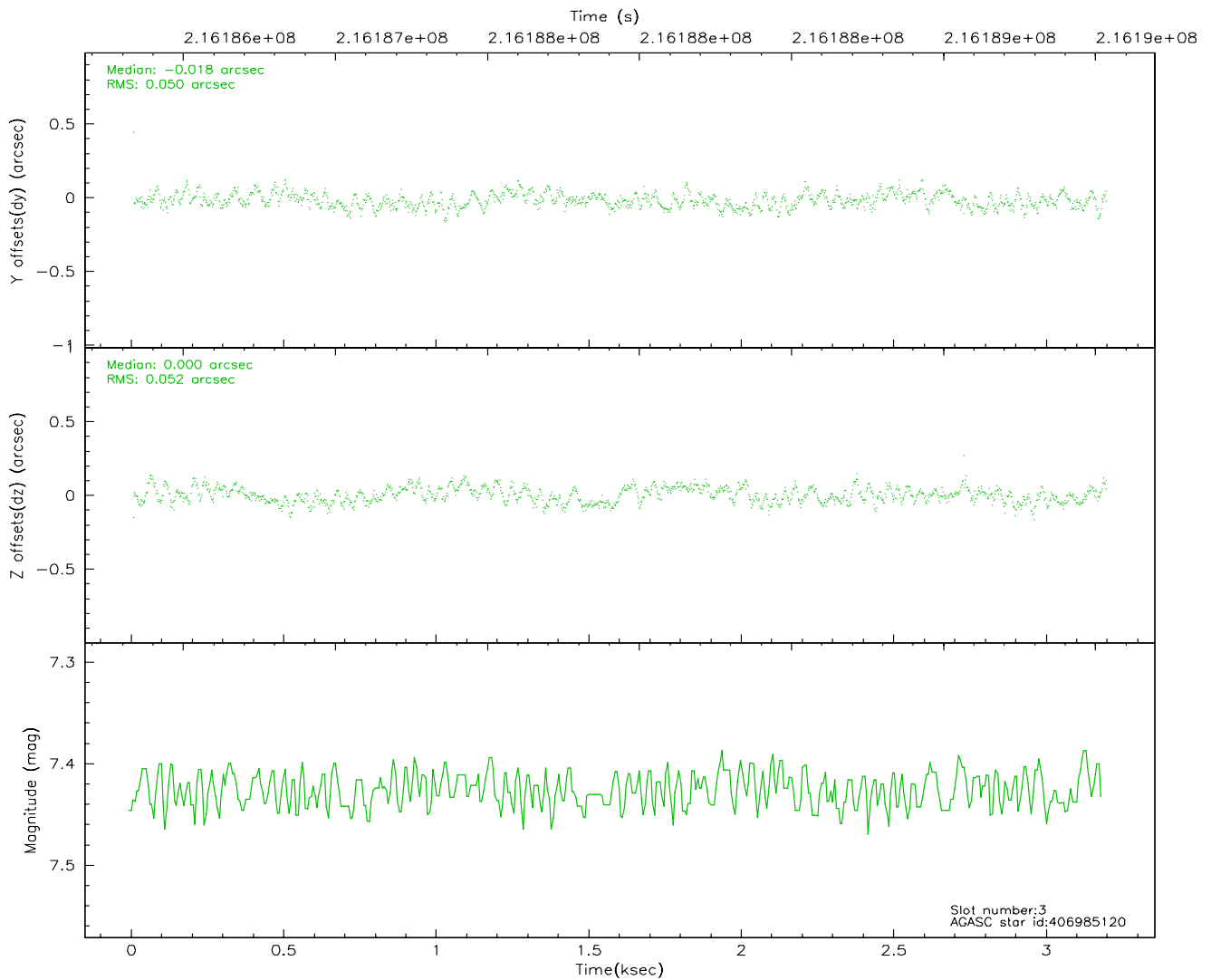
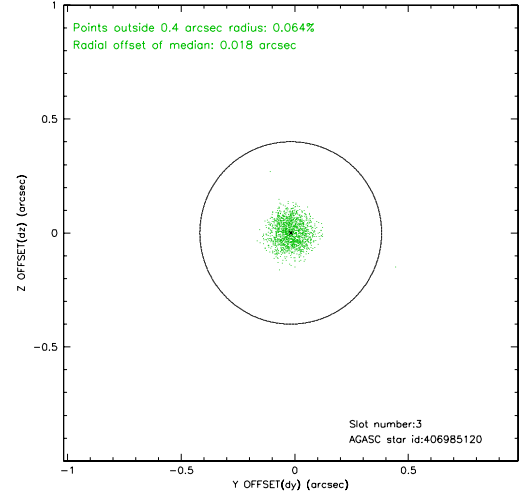
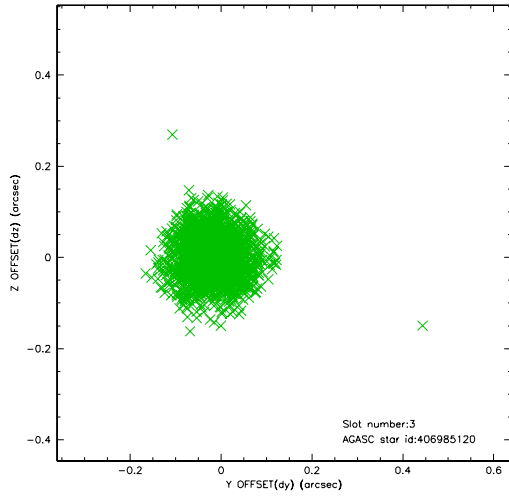


Slot Statistics

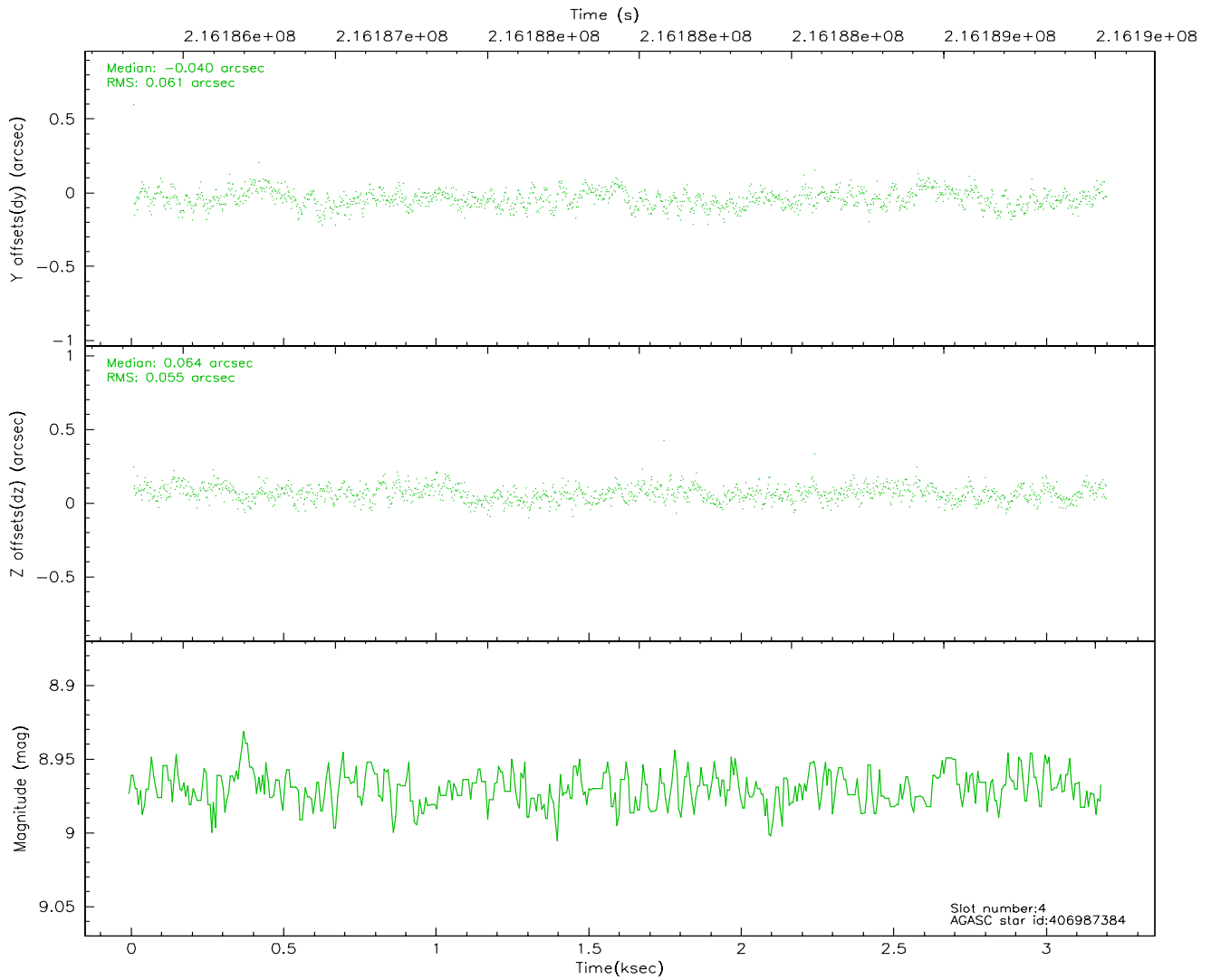
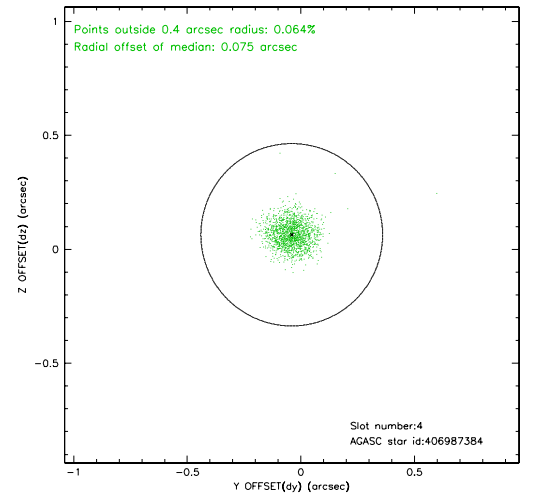
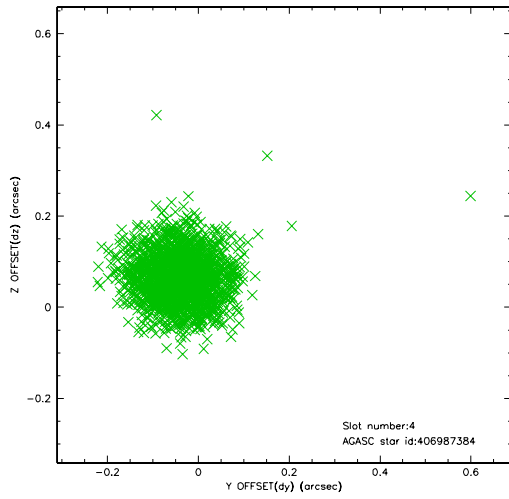
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	779	0.111	-0.128	0.009	0.014	0.000000	0.000000	-1159.25	-456.60
1	FID	HRC-S-2	6.99	779	0.133	-0.094	0.005	0.009	0.000000	0.000000	1238.97	-449.76
2	FID	HRC-S-3	7.01	779	0.146	-0.081	0.009	0.015	0.000000	0.000000	-1160.36	572.40
3	GUIDE	406985120	7.43	1557	-0.018	0.000	0.078	0.117	278.839732	38.894839	-887.70	-629.94
4	GUIDE	406987384	8.97	1556	-0.040	0.064	0.086	0.134	278.815518	38.115336	1380.22	-2283.68
5	GUIDE	406990192	9.00	1557	0.030	-0.067	0.092	0.156	278.510952	38.533654	-345.86	-2131.82
6	GUIDE	407521232	8.65	1557	0.079	0.002	0.096	0.149	279.628883	39.431715	-1236.14	2278.39
7	GUIDE	406983600	8.91	1554	-0.044	0.003	0.113	0.168	279.940957	39.020708	477.02	2172.68

2.4 Star Slots

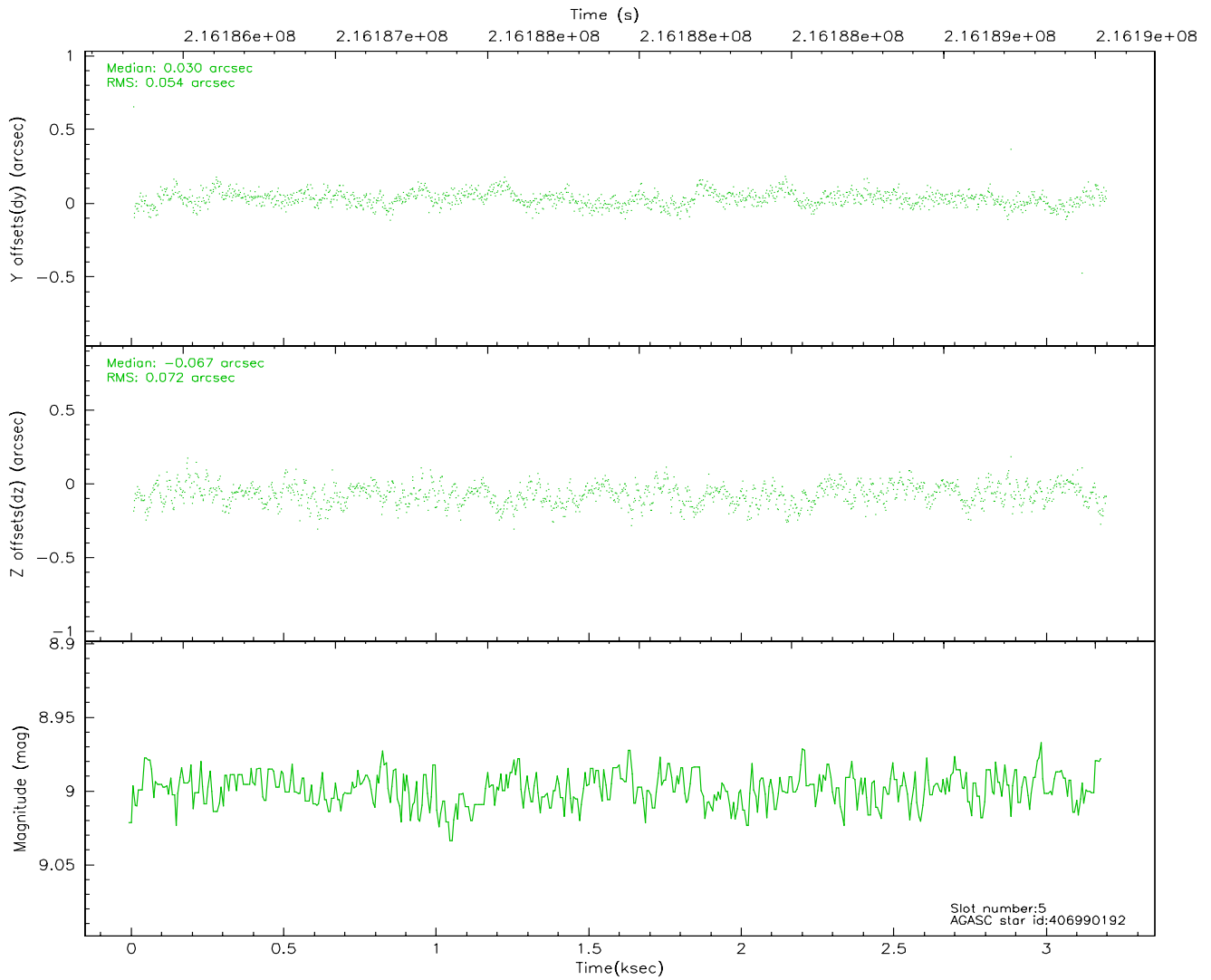
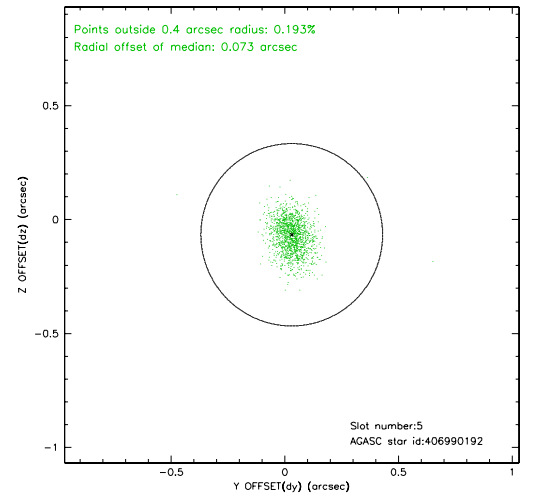
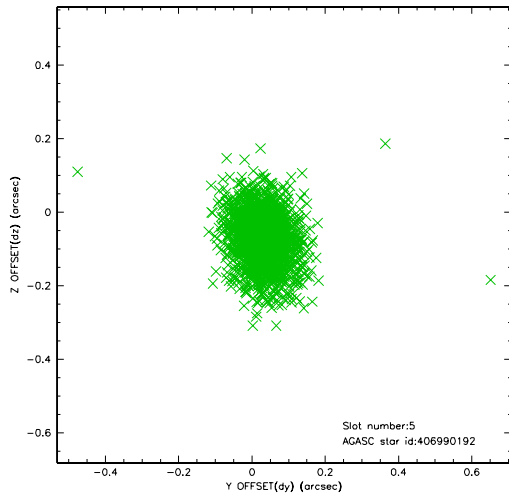
2.4.1 Slot 3



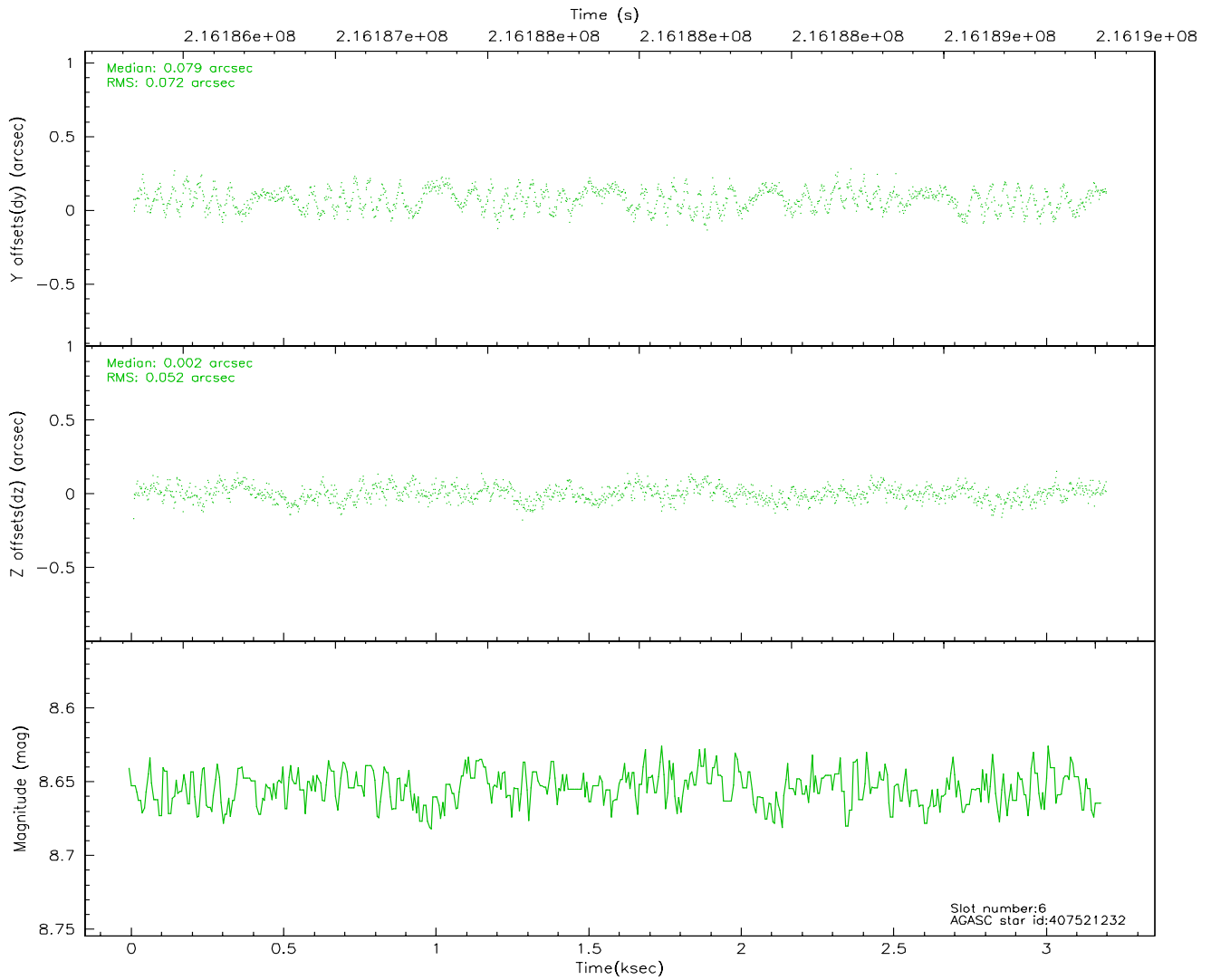
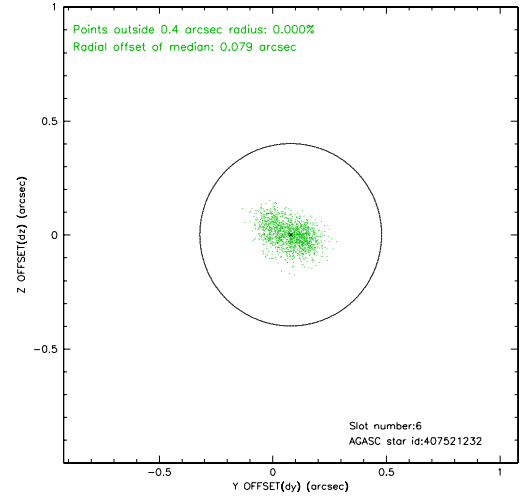
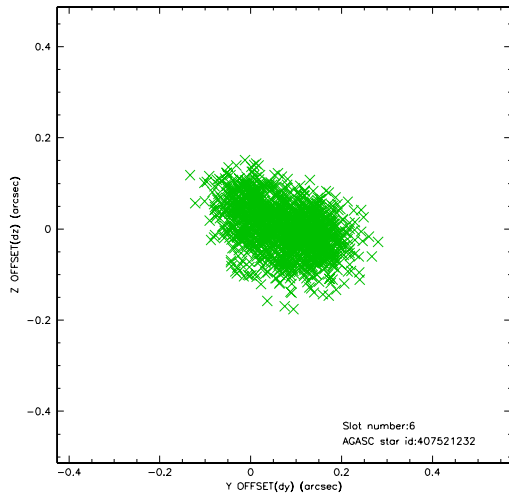
2.4.2 Slot 4



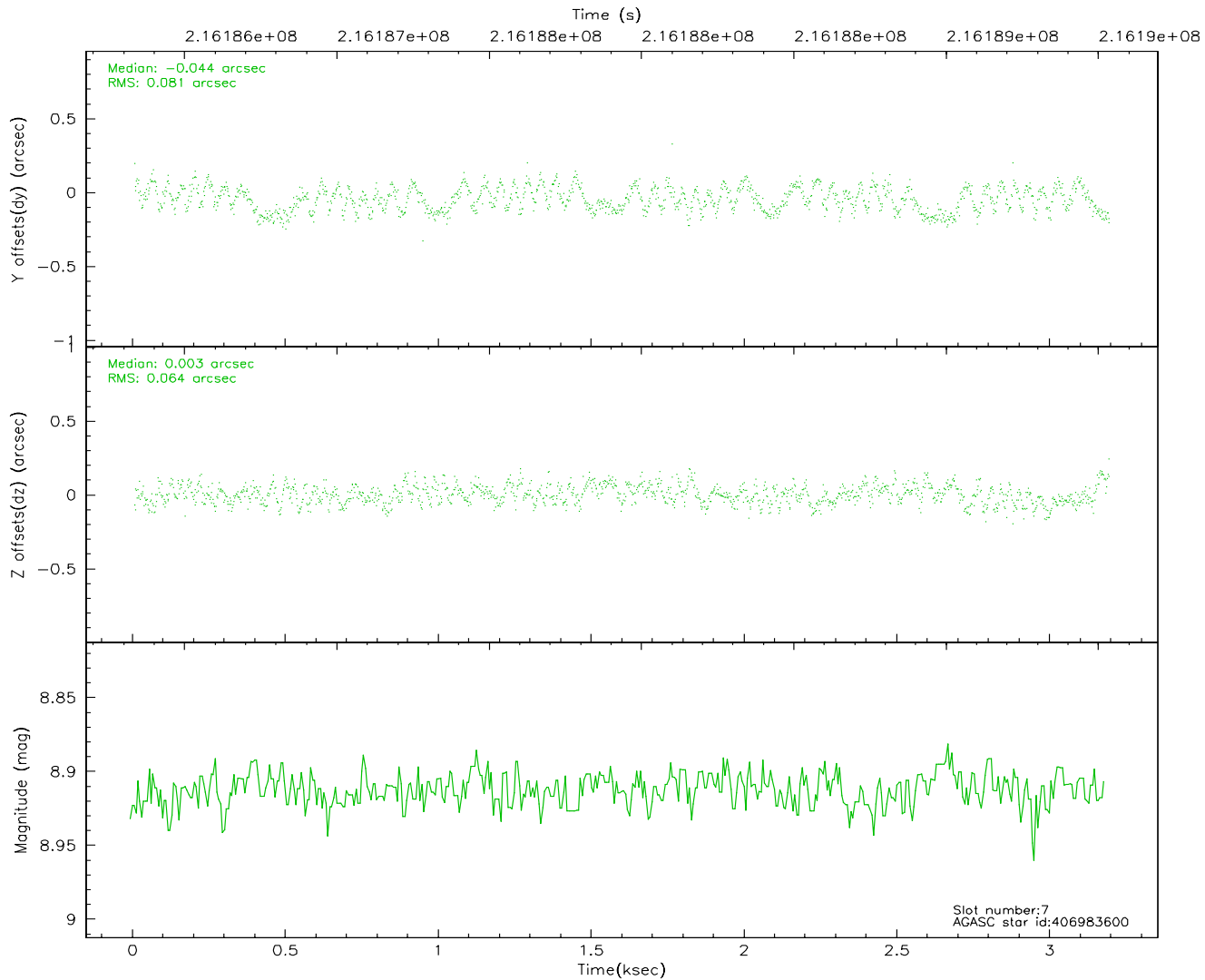
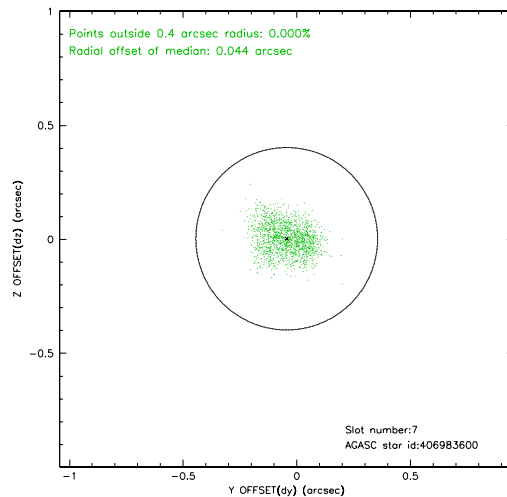
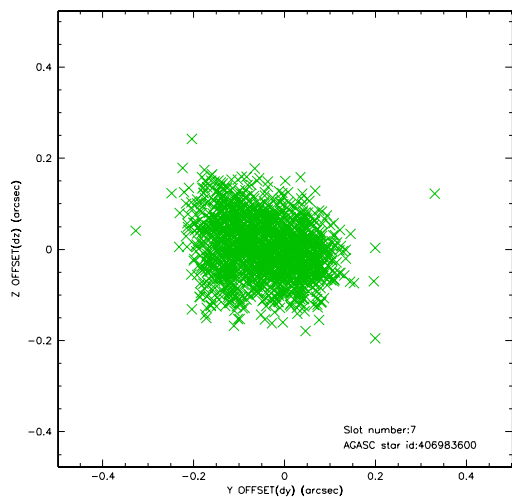
2.4.3 Slot 5



2.4.4 Slot 6

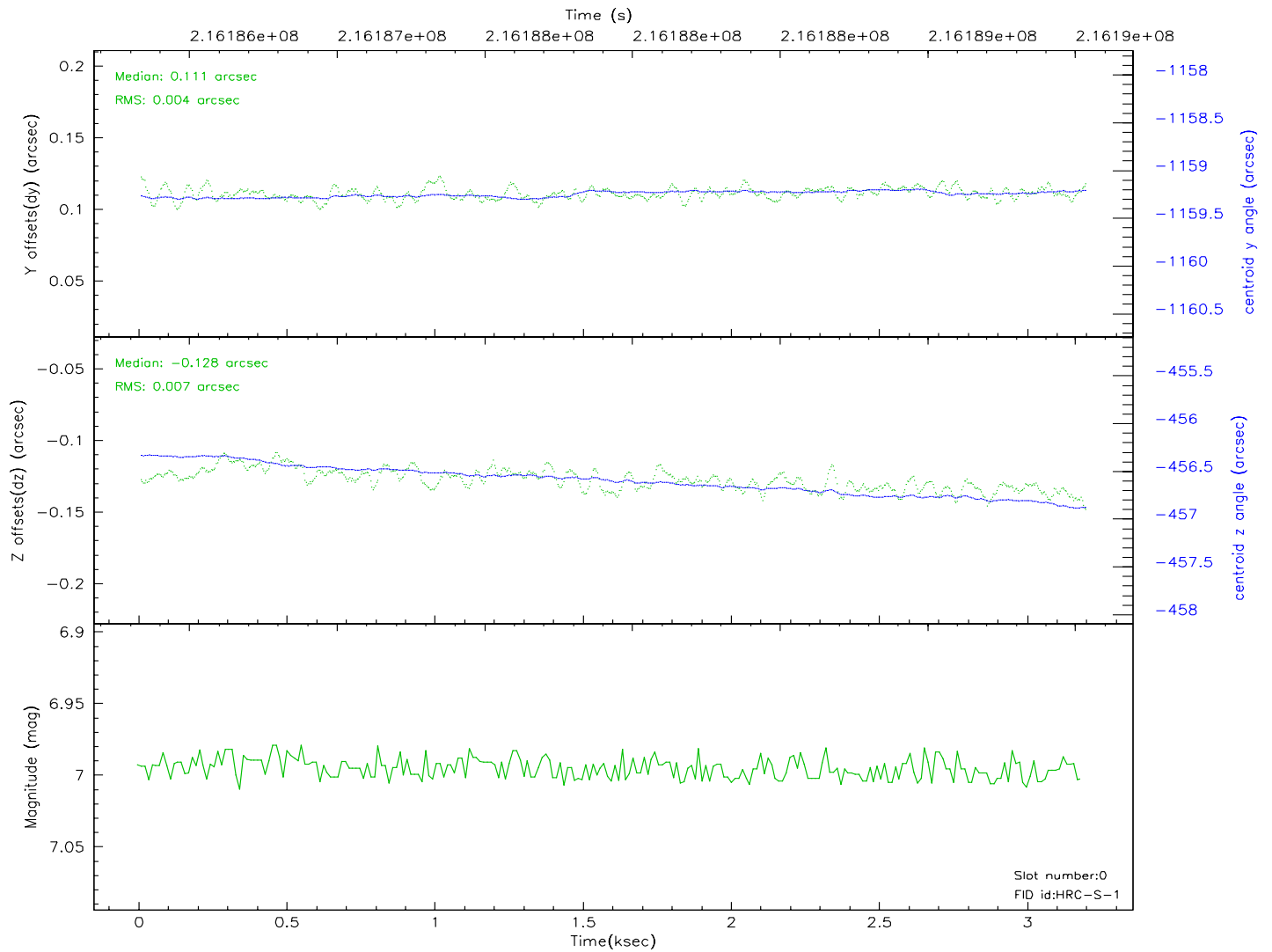
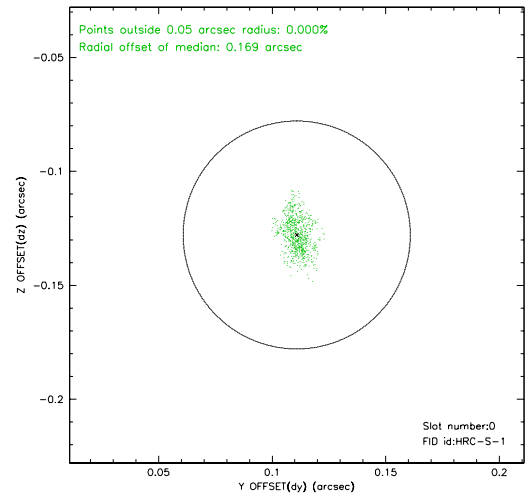
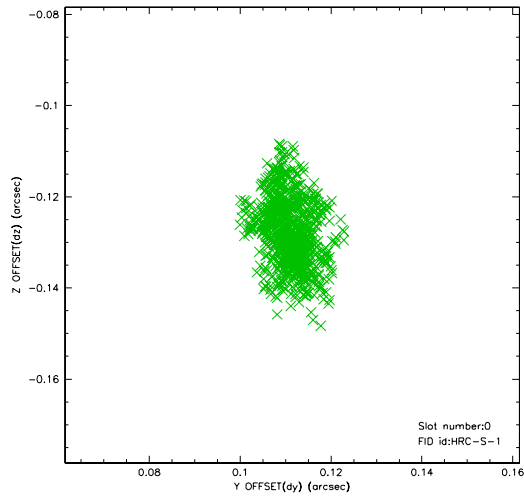


2.4.5 Slot 7

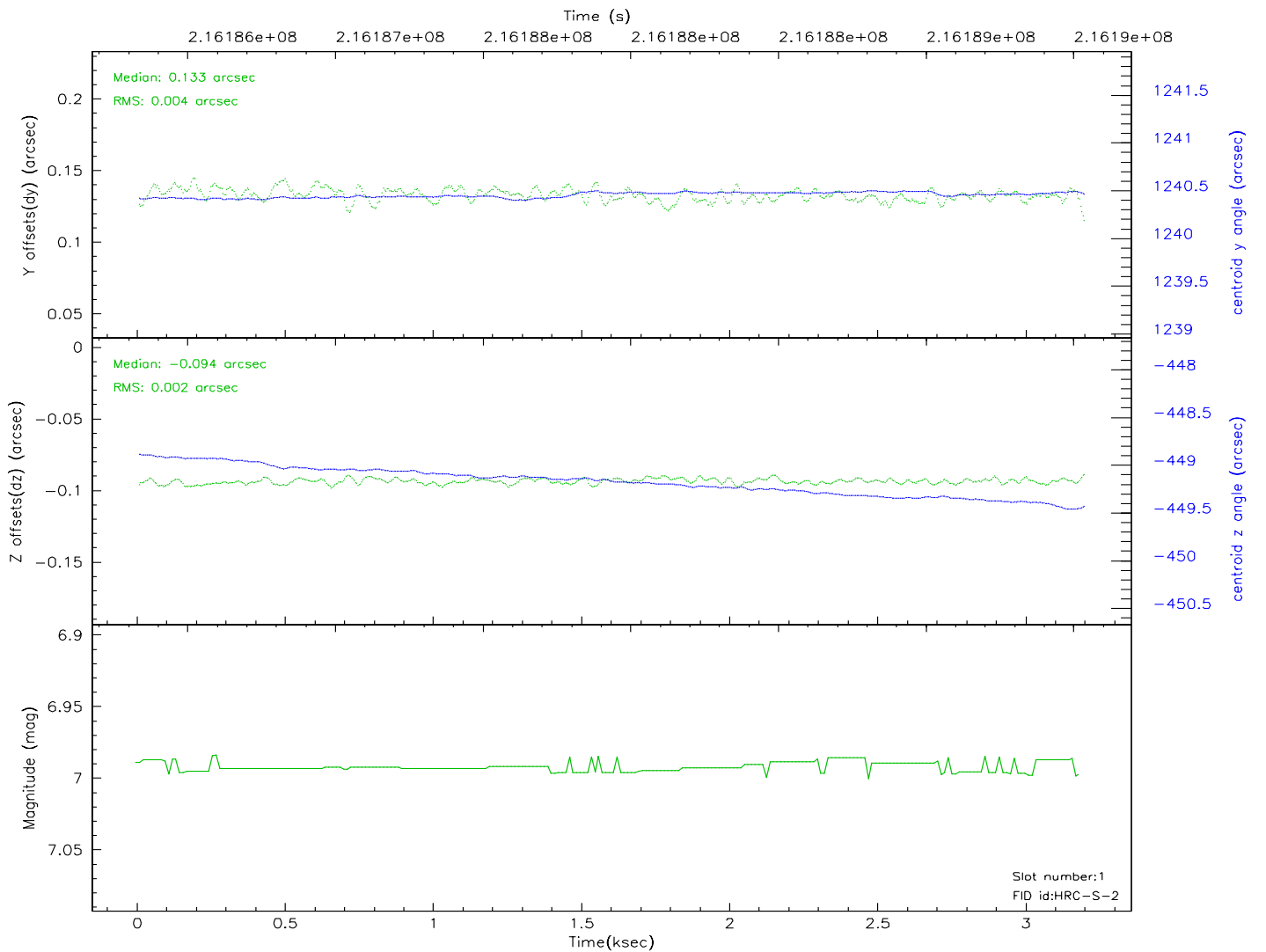
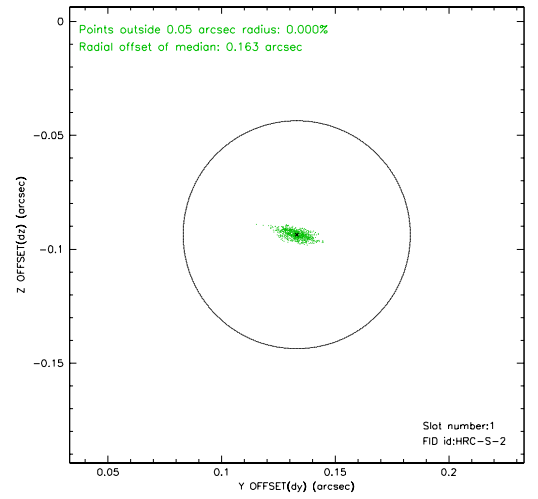
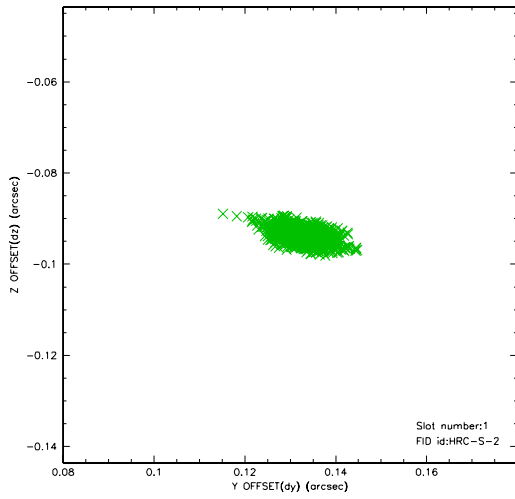


2.5 FID Slots

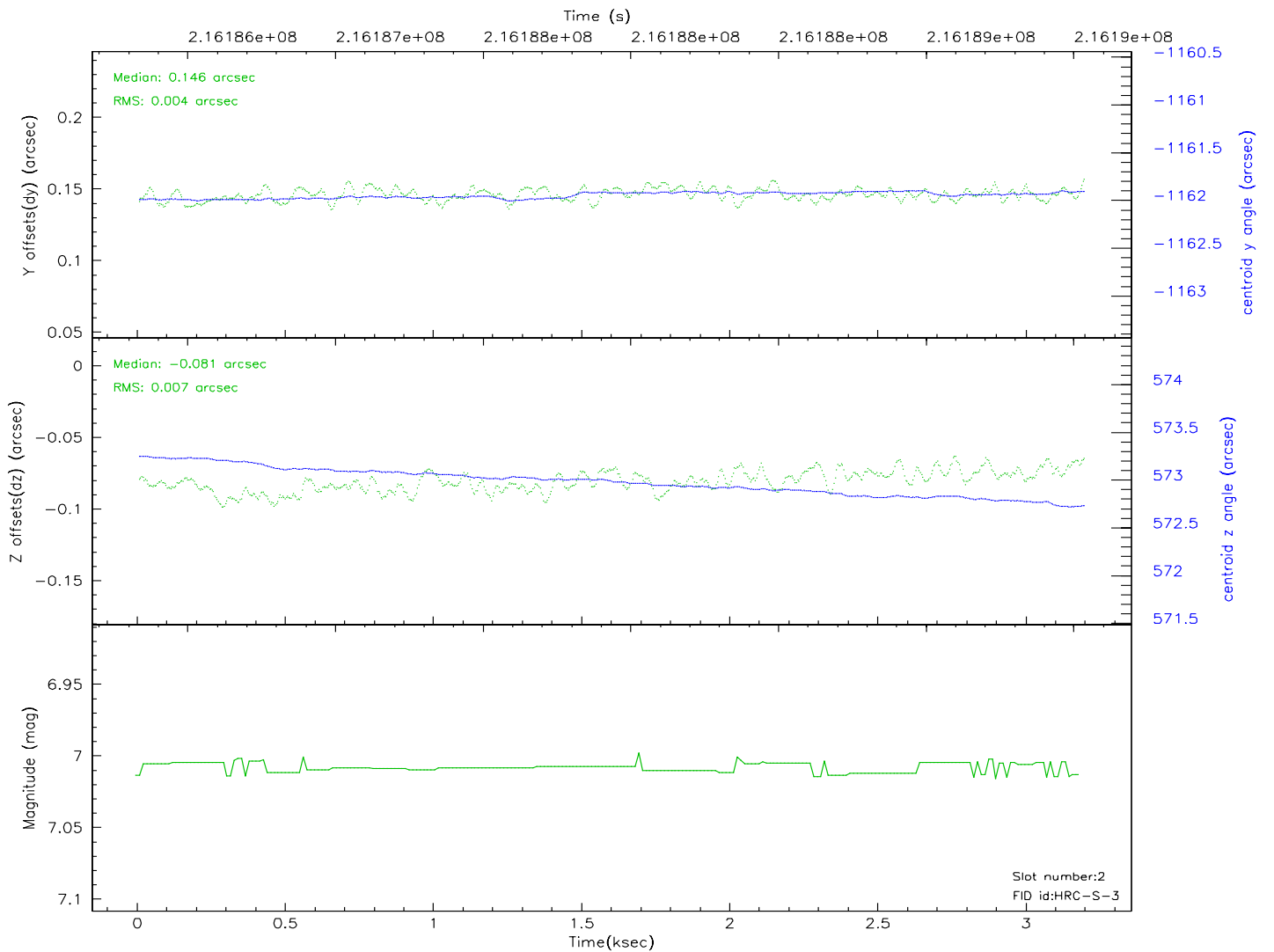
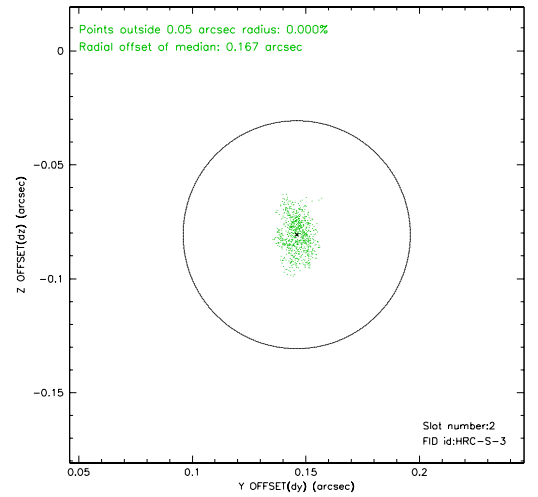
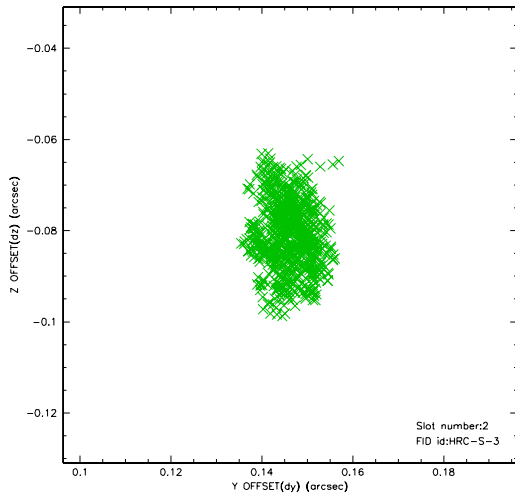
2.5.1 Slot 0



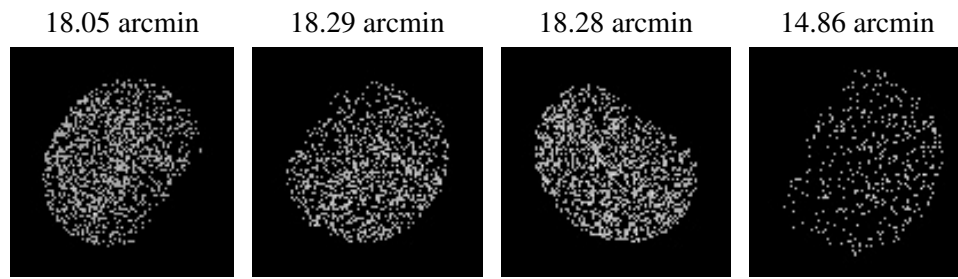
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.152

A.2 Comments

Window constraint met.

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.