

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 144 - L2 Version 5
Chandra X-Ray Center

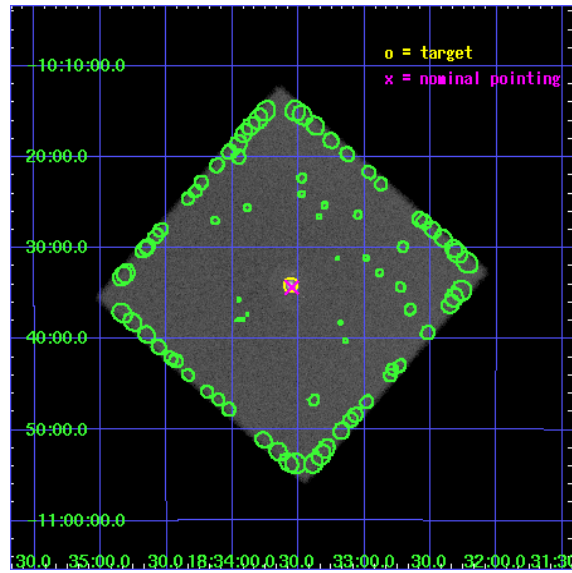
L2 Processing Date : Nov 20 2007

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1 Front

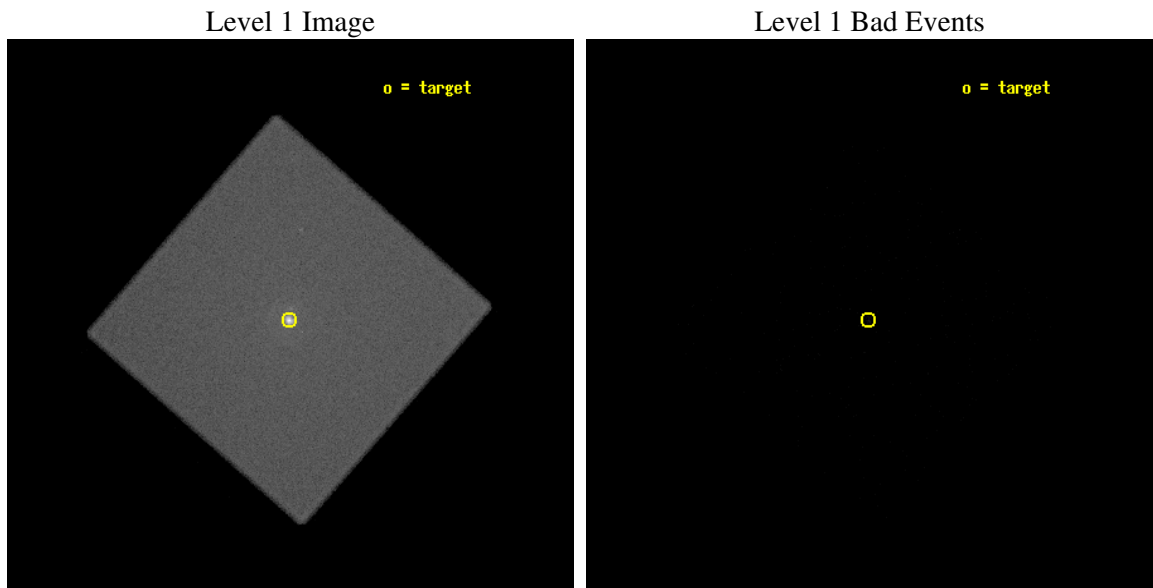
seq_num	590012
obs_id	144
title	HRC RESPONSE TO CONTINUUM SOURCE.
observer	Dr. CXC Calibration
object	G21.5-0.9 [HRC-I, Offsets=0,0,0]
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.38757642566
dec_nom	-10.572481776435
roll_nom	266.2642947201
revision	5
ontime	30194.451131865
livetime	30041.257438822
l2events	854440



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	2007-11-21T01:07:09
revision	5

sched_exp_time	30300.000000
ontime	30194.451133862
l1events	1259329

2.1.3 Events

Level 1 Events

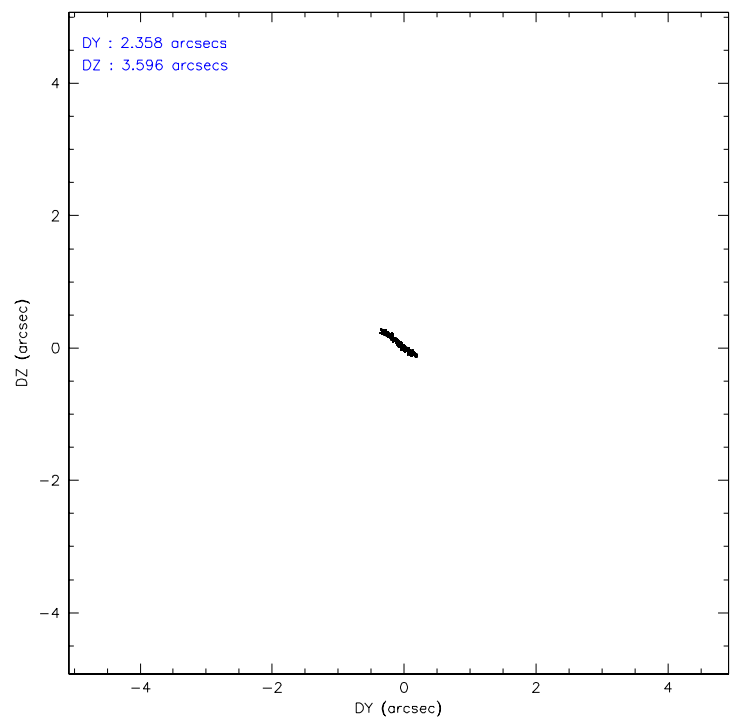
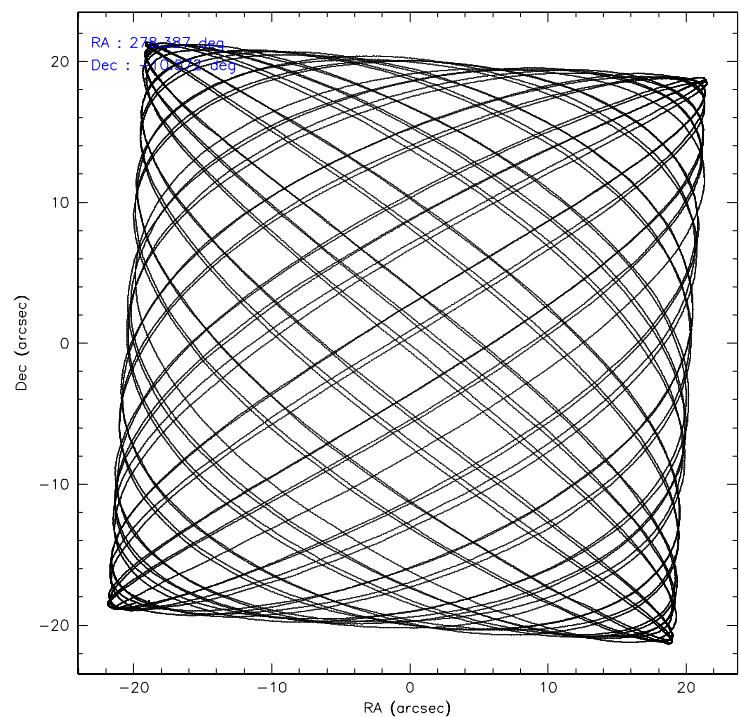
	segment 0
level 1 events	1259329
rejected events	5263
rejected %	0%

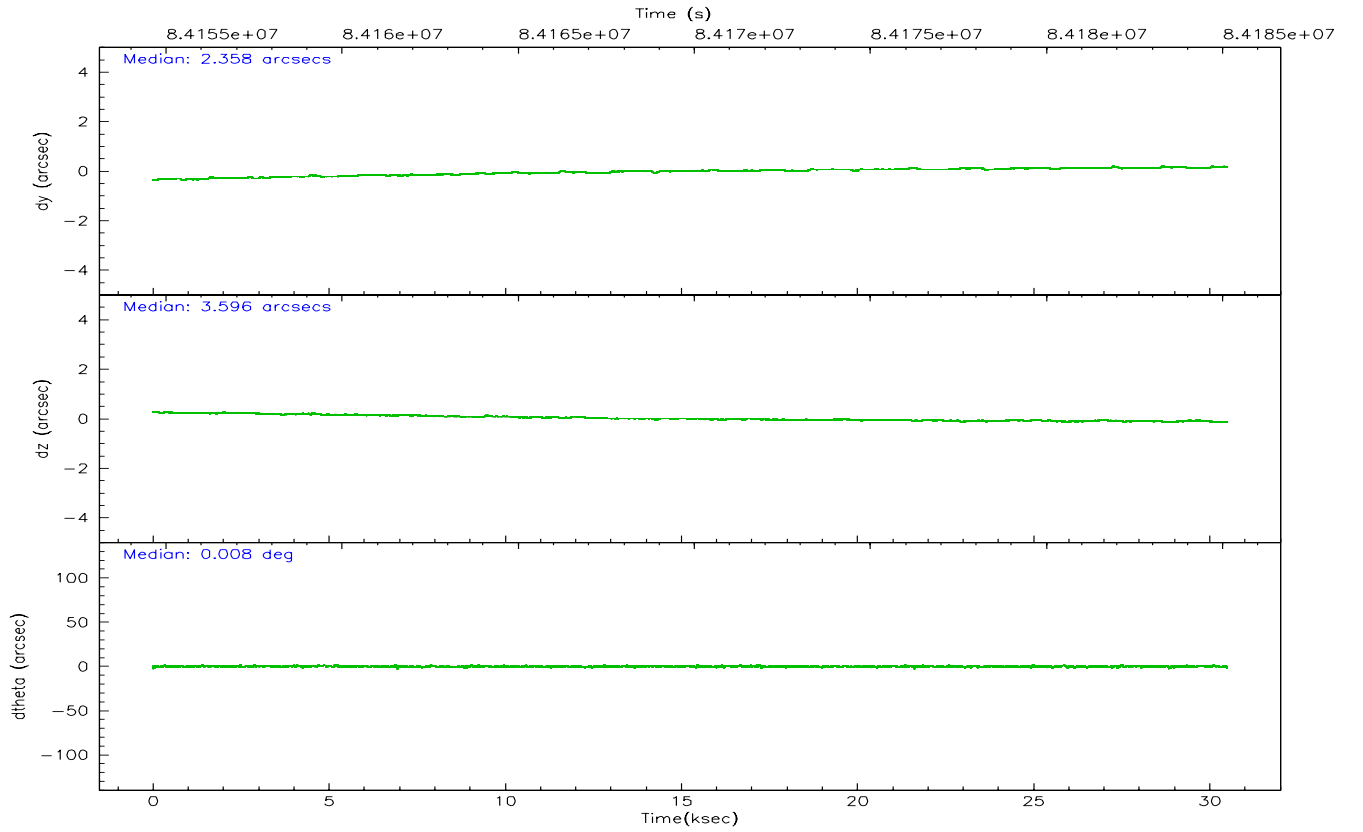
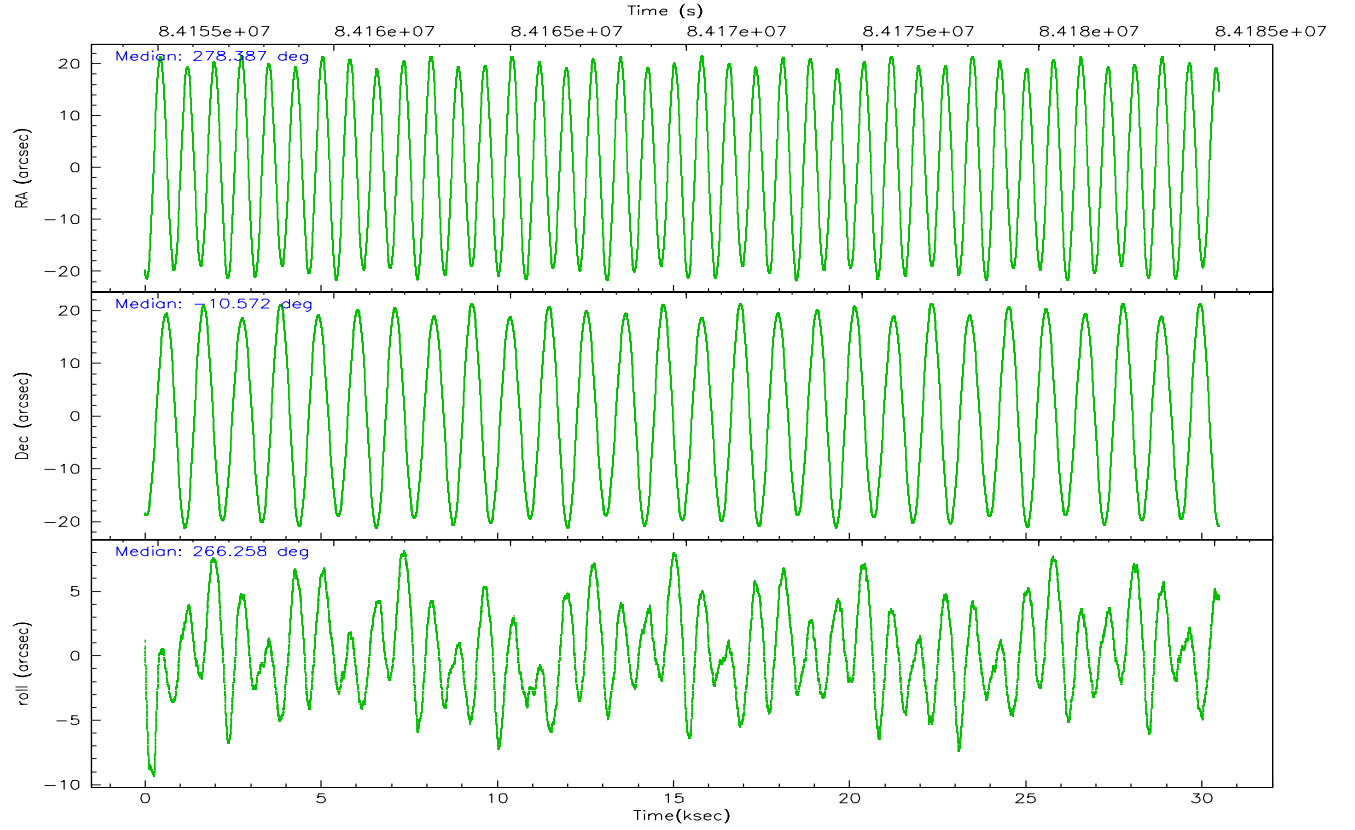
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	278.374926	278.3875764256575
Pointing Dec	-10.548235	-10.57248177643471
Pointing Roll	266.357463	266.2642947201045
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	84154827.184000	84154415.014126
Observation start date	2000-09-01T00:19:23	2000-09-01T00:13:35
Observation end time	84185127.184000	84185915.82780901
Observation end date	2000-09-01T08:44:23	2000-09-01T08:58:35

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



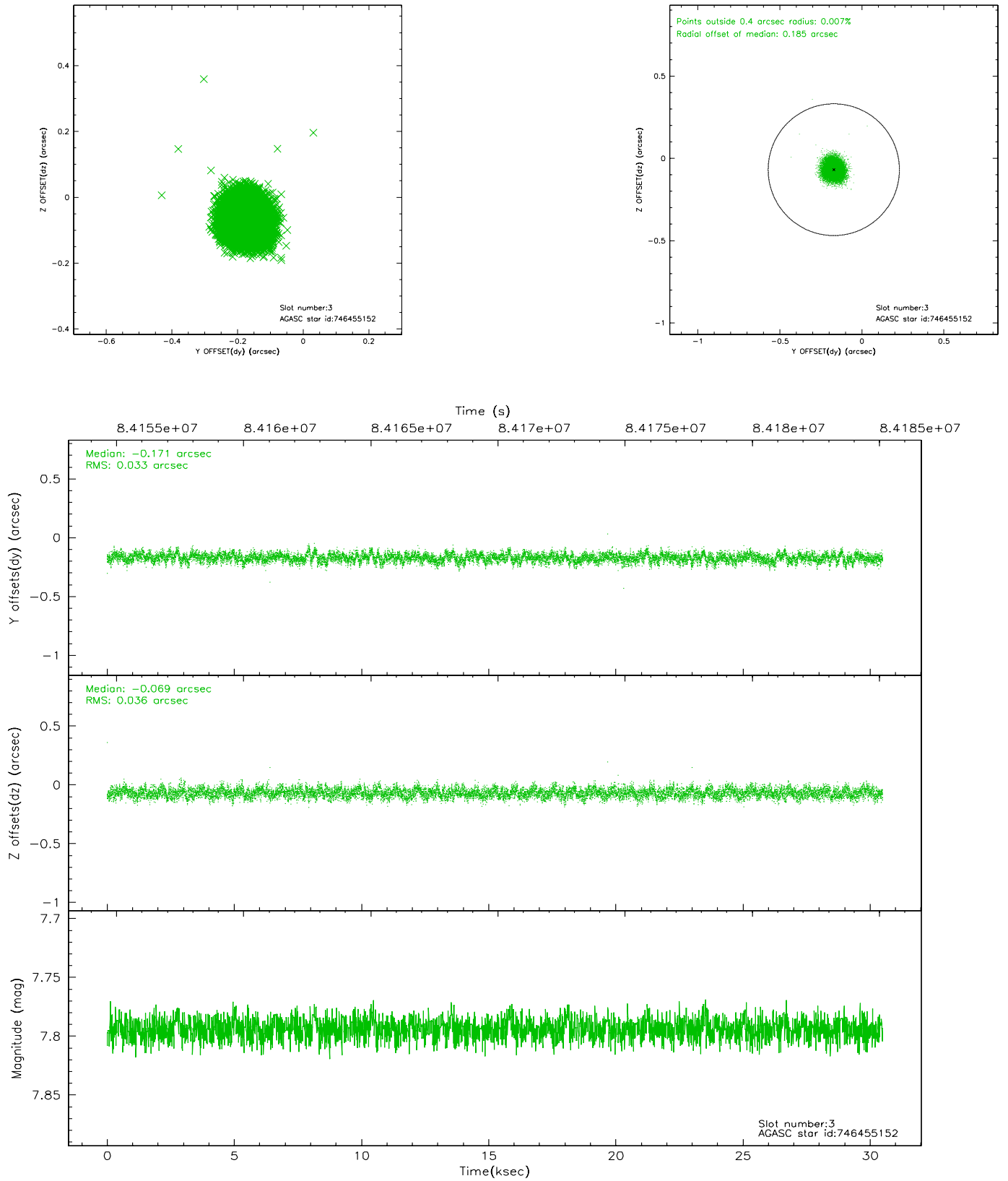


Slot Statistics

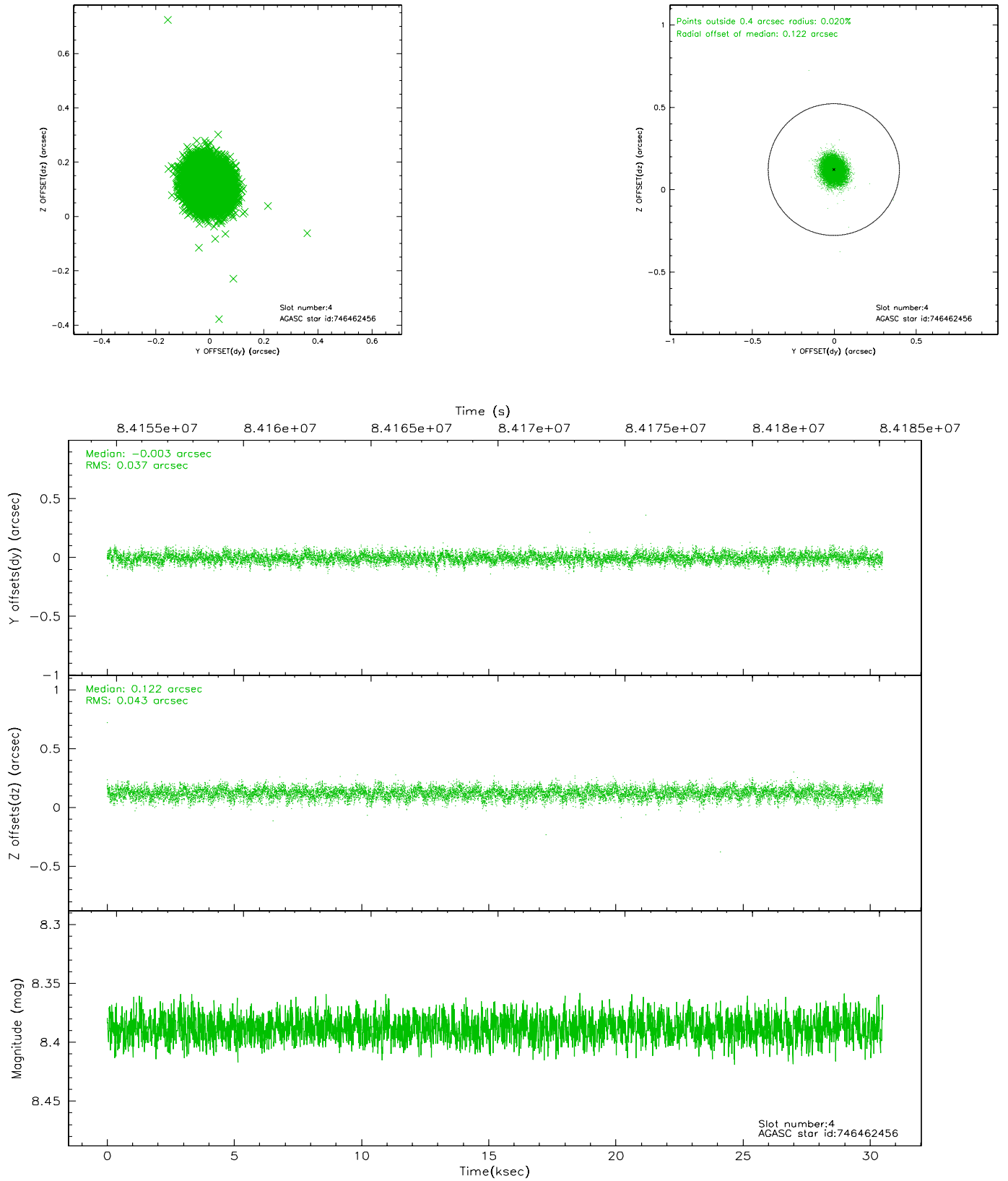
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	7438	0.028	0.019	0.008	0.015	0.000000	0.000000	-757.74	-1291.42
1	FID	HRC-I-3	7.05	7438	0.049	-0.078	0.008	0.015	0.000000	0.000000	-1186.34	1012.87
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	746455152	7.79	14875	-0.171	-0.069	0.052	0.083	278.447893	-9.976732	-2069.93	127.81
4	GUIDE	746462456	8.39	14873	-0.003	0.122	0.060	0.097	278.652171	-10.530173	-127.03	975.94
5	GUIDE	746455112	8.93	14870	0.226	-0.234	0.072	0.117	278.266531	-10.703234	581.45	-346.67
6	GUIDE	746460272	8.92	14874	-0.036	0.109	0.086	0.135	278.847488	-10.152127	-1528.52	1581.27
7	GUIDE	746461728	9.79	14834	-0.017	0.071	0.120	0.192	278.986921	-10.530755	-198.70	2158.56

2.4 Star Slots

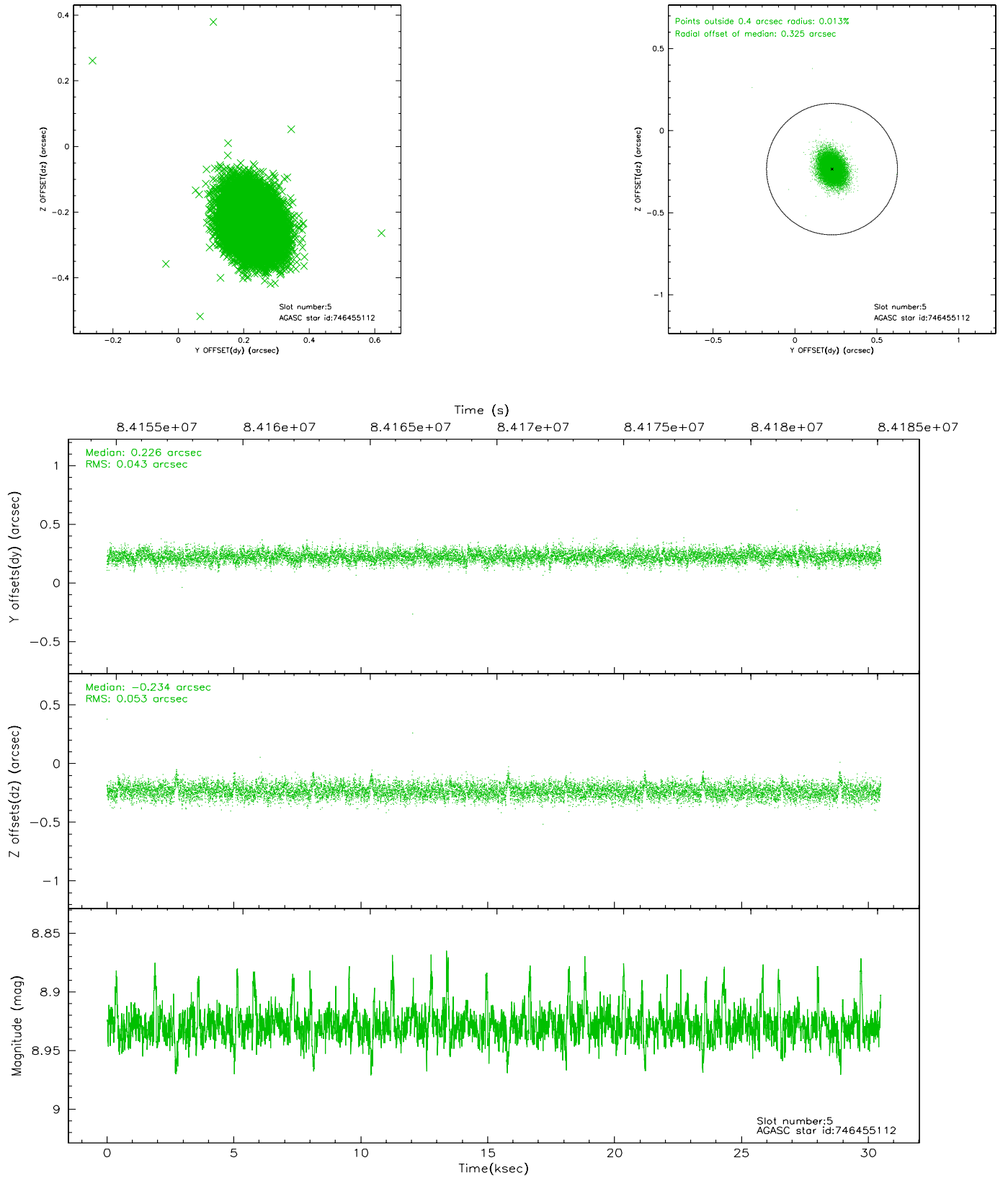
2.4.1 Slot 3



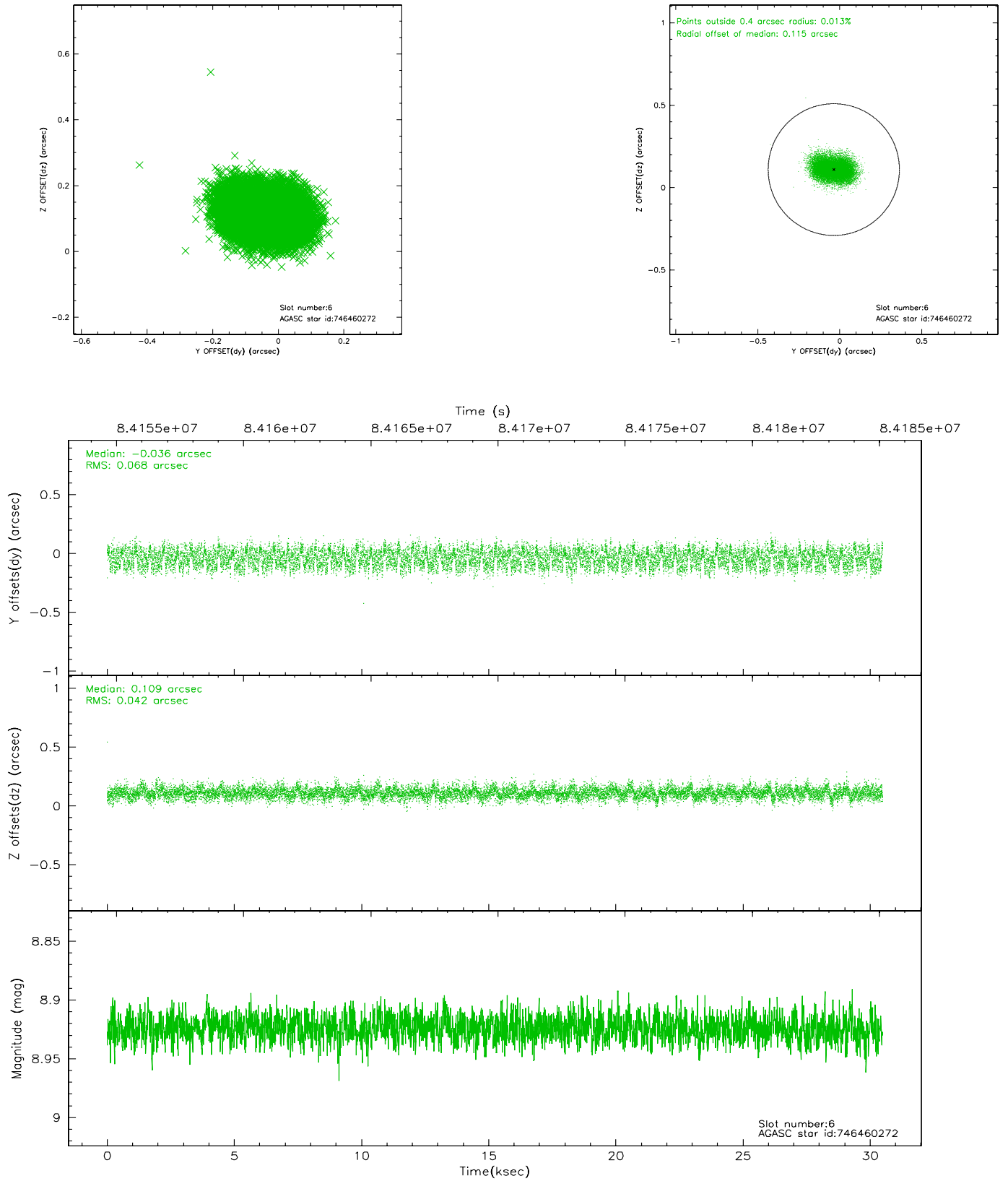
2.4.2 Slot 4



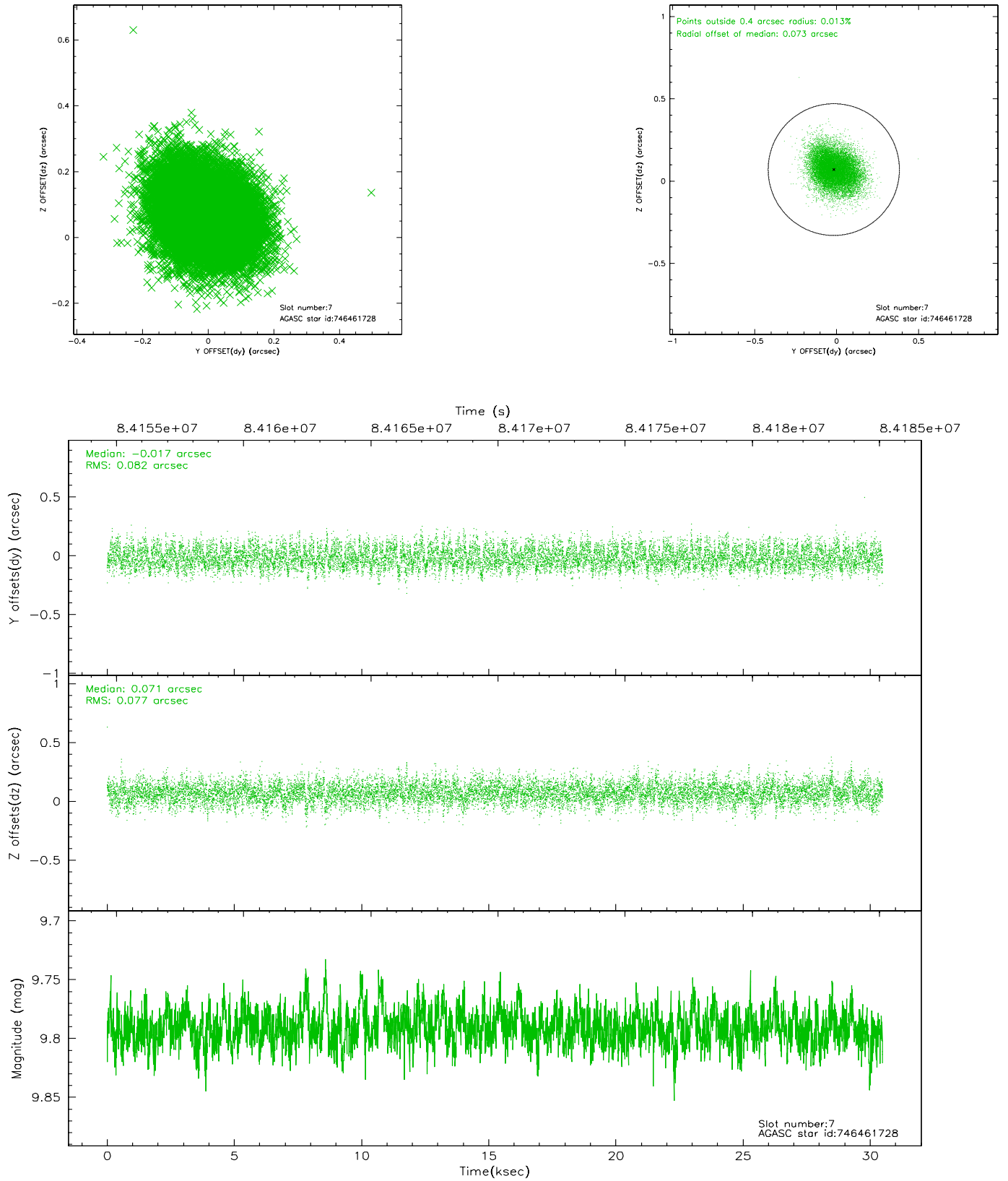
2.4.3 Slot 5



2.4.4 Slot 6

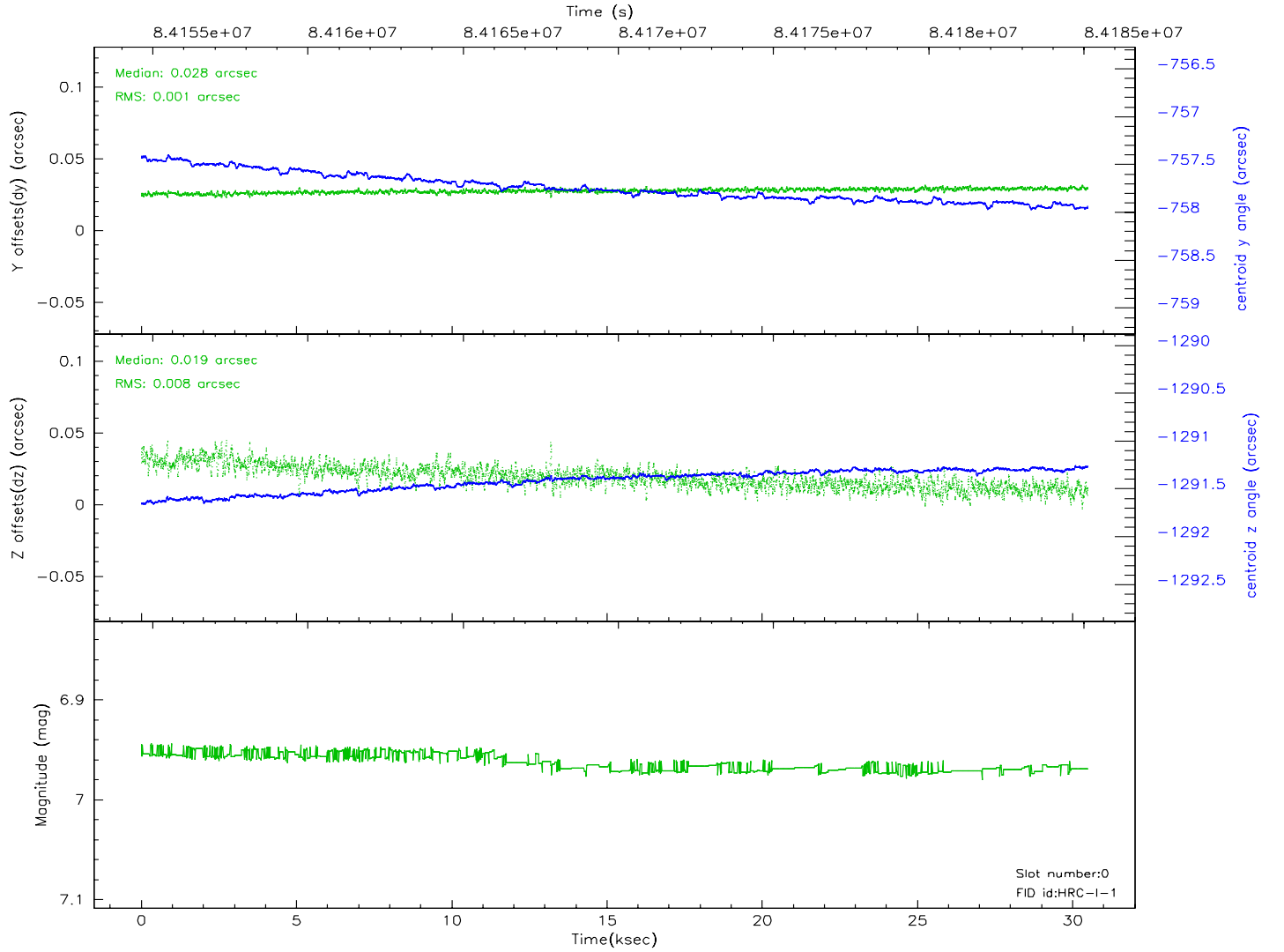
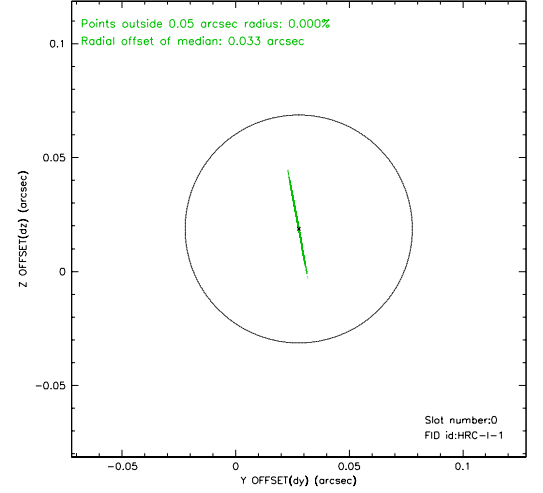
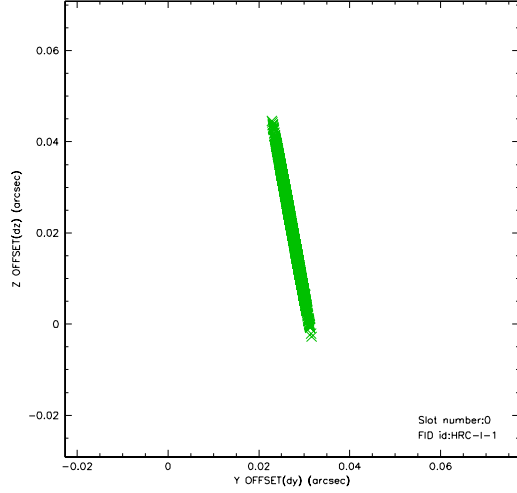


2.4.5 Slot 7

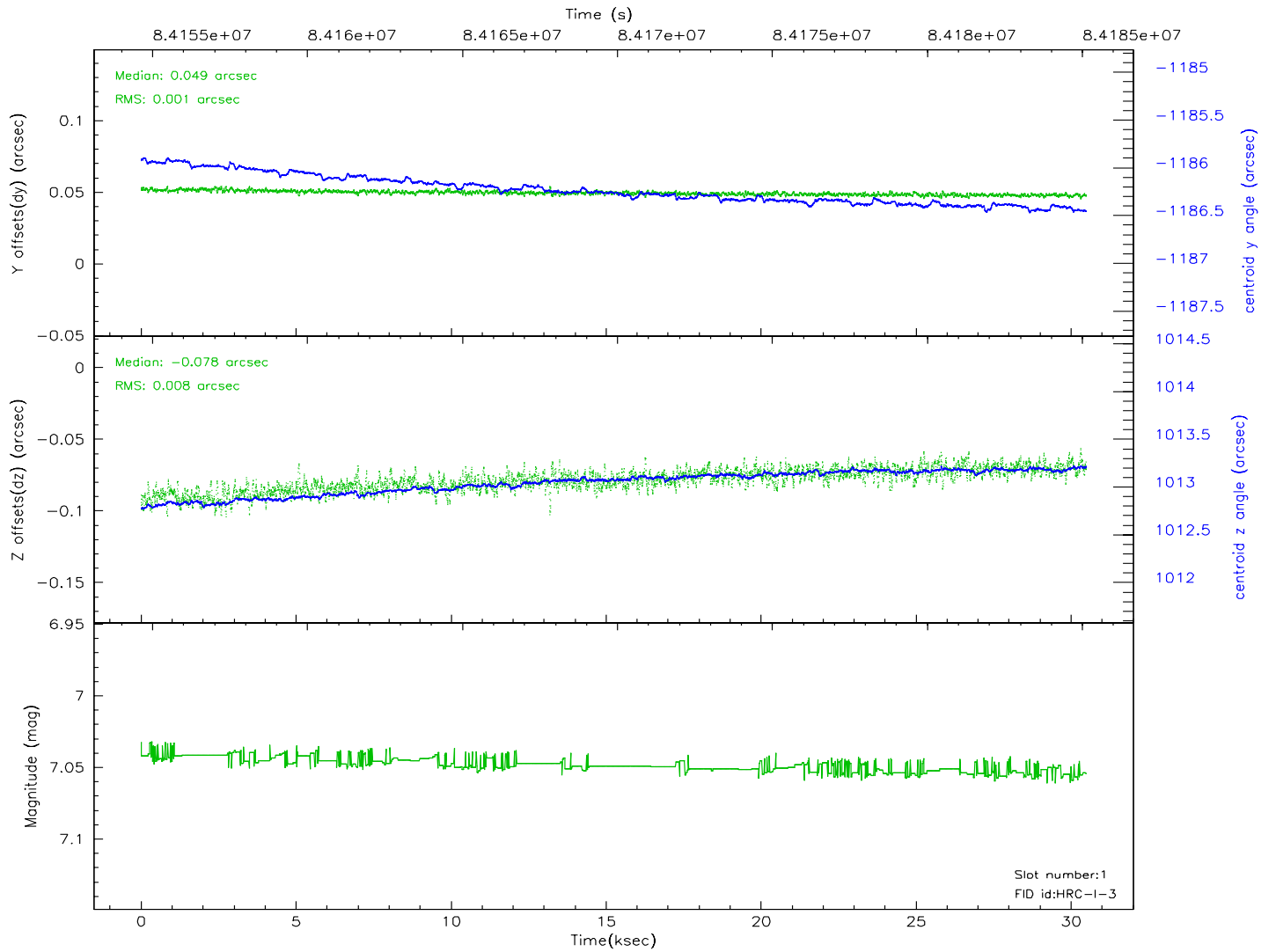
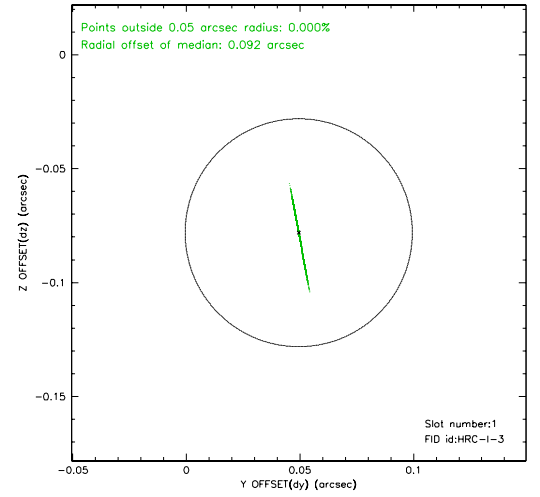
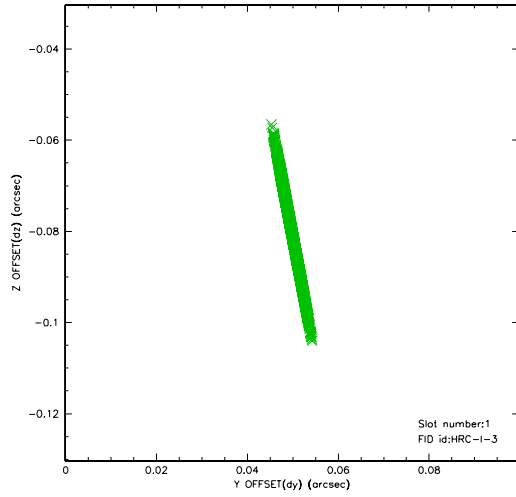


2.5 FID Slots

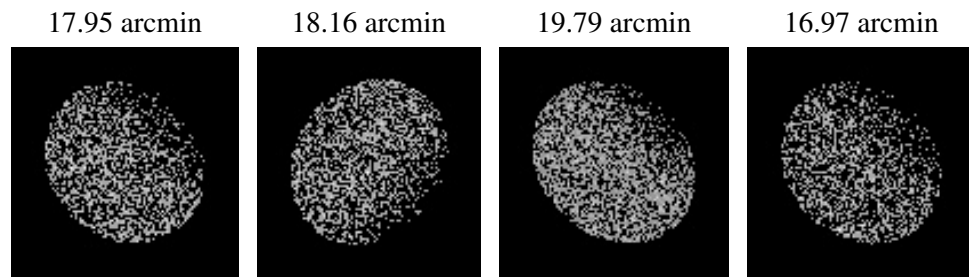
2.5.1 Slot 0



2.5.2 Slot 1



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.184

A.2 Comments

Monitor constraint violated: obsid starts 198 days after required start time instead of 80.0 - 115.0 days. CDO: All are OK. Monitor constraint was too tight. Release data. Do not repeat observation.

The fid light in slot 2 was omitted from the aspect solution. The aspect solution is not expected to be degraded by removing one fid from the solution.

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.