

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2867 - L2 Version 3
Chandra X-Ray Center

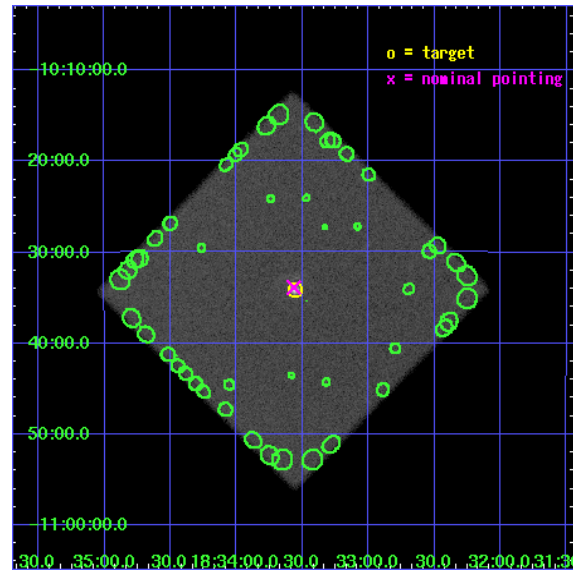
L2 Processing Date : Nov 21 2007

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1 Front

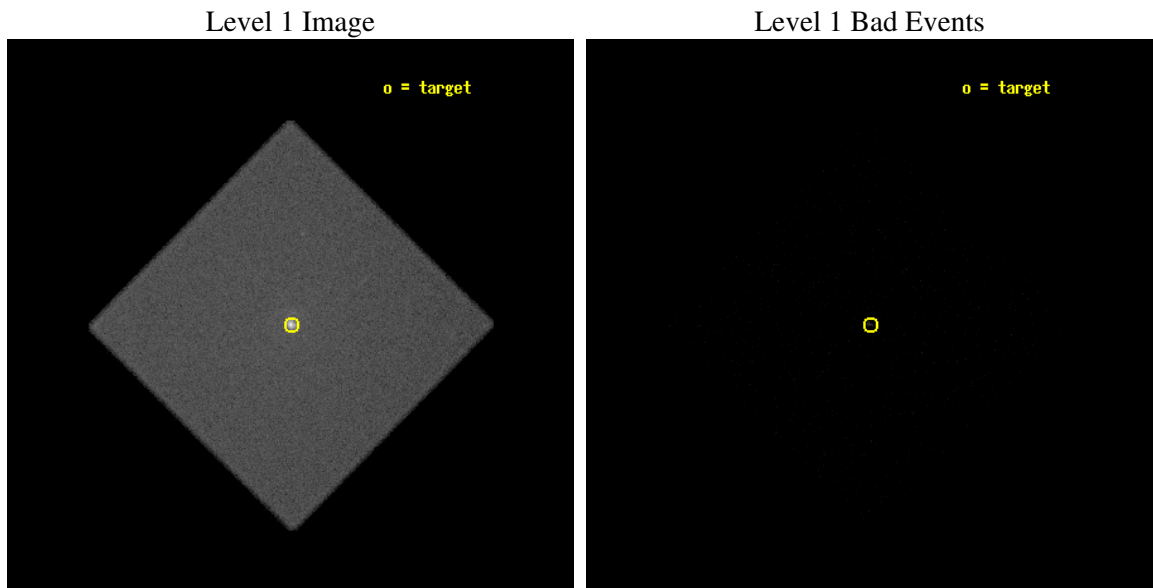
seq_num	590256
obs_id	2867
title	AO3A CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9 [HRC-I, Offsets=0,0,0]
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.3913143988
dec_nom	-10.564659580493
roll_nom	89.626034927377
revision	3
ontime	19182.107026696
livetime	19076.25059157
l2events	552445



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T21:05:46
revision	3

sched_exp_time	19200.000000
ontime	19182.107026696
l1events	831376

2.1.3 Events

Level 1 Events

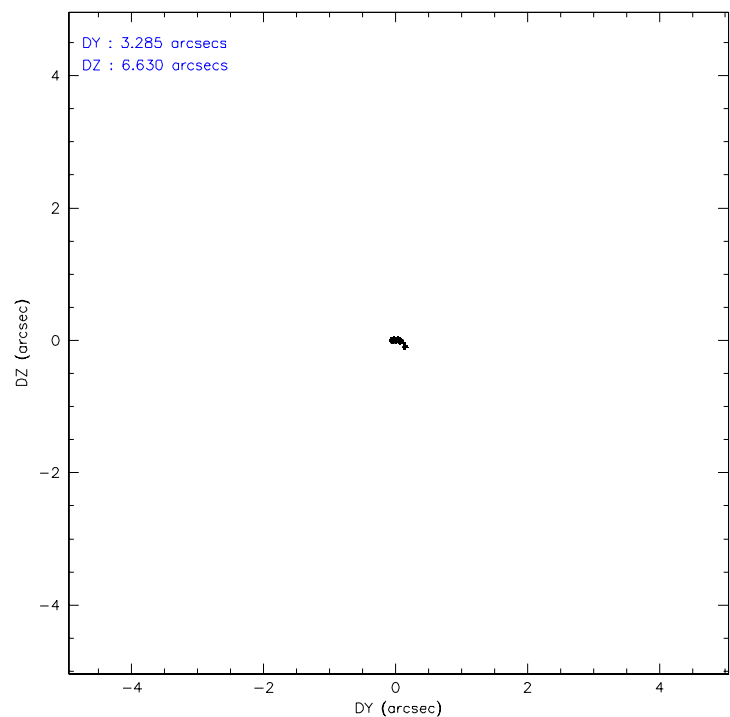
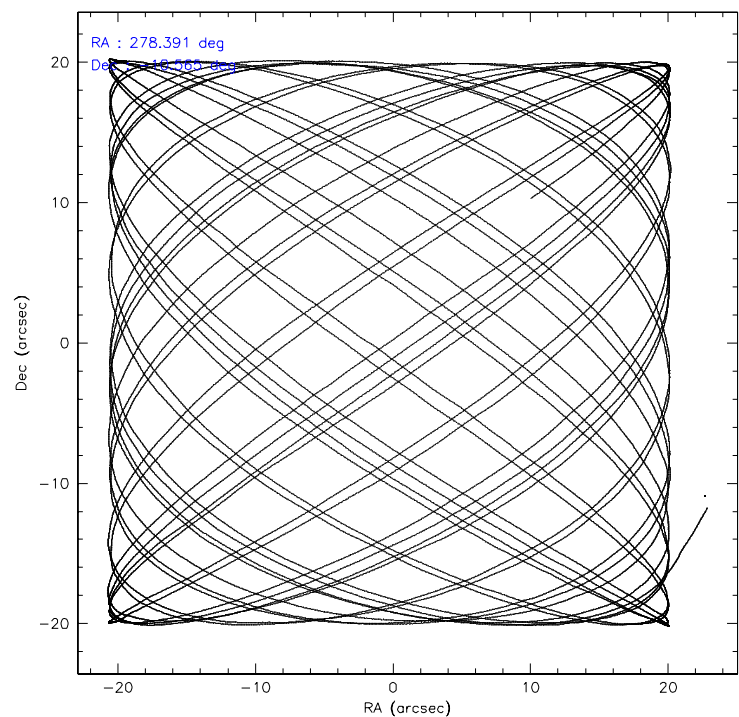
	segment 0
level 1 events	831376
rejected events	8432
rejected %	1%

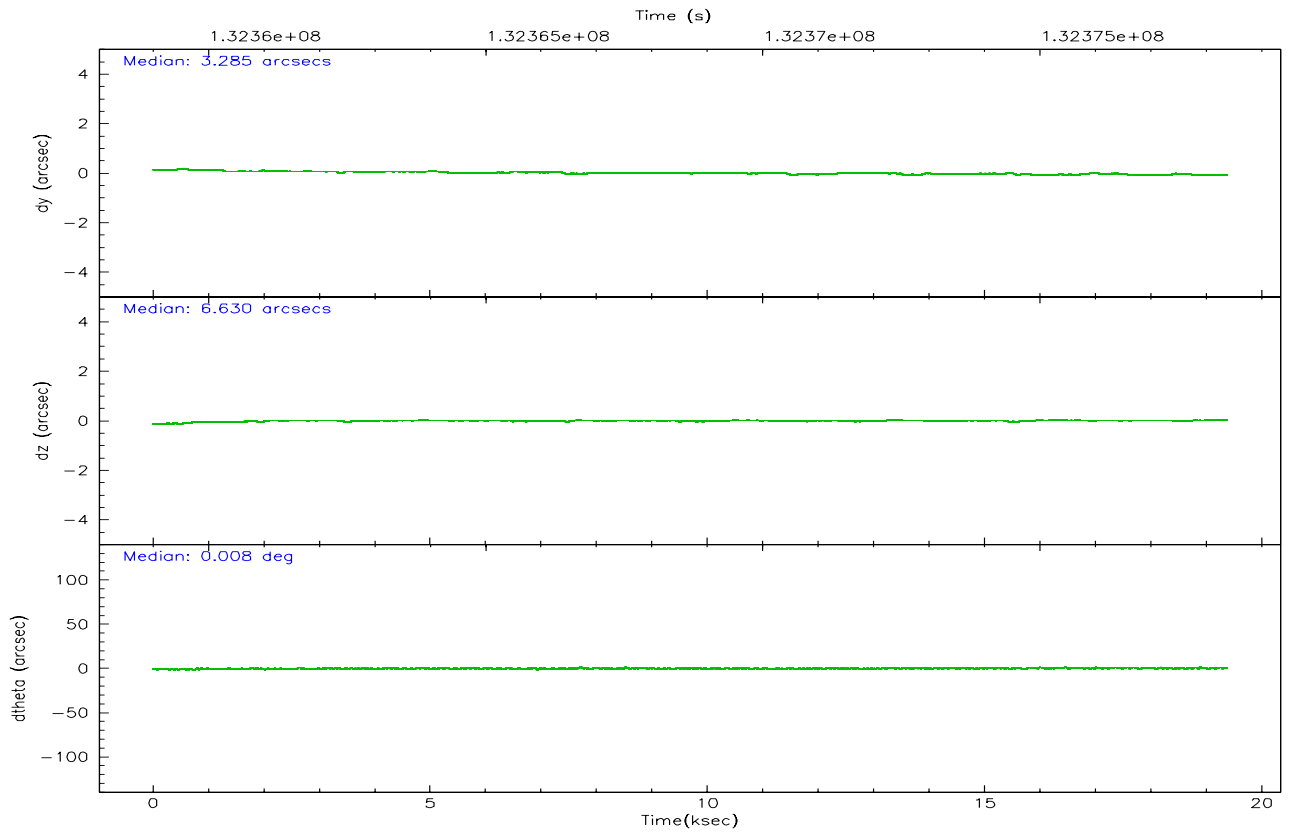
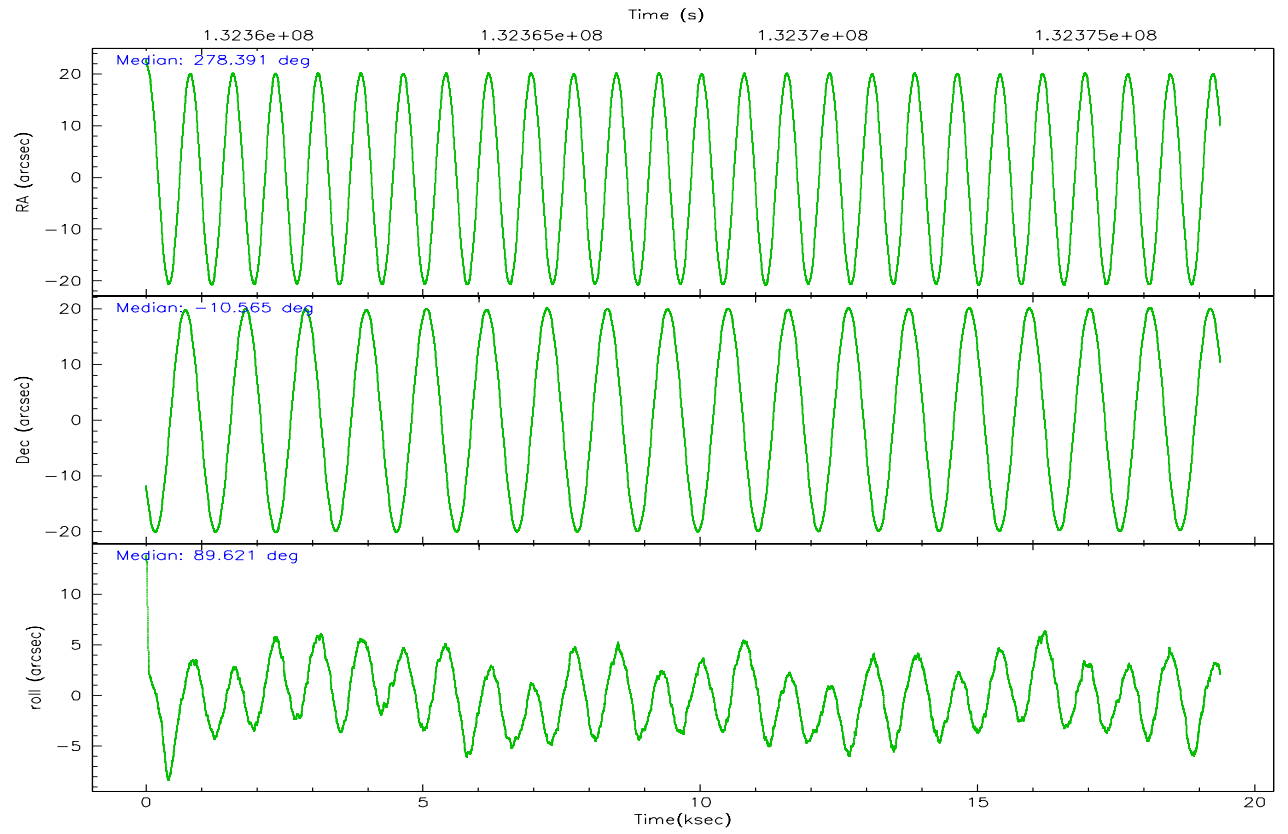
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	278.405427	278.3913143987962
Pointing Dec	-10.587930	-10.56465958049269
Pointing Roll	89.724114	89.62603492737696
Window start time	131328064.184000	131328064.184000
Window stop time	133920064.184000	133920064.184000
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	132359178.184000	132358768.79648
Observation start date	2002-03-12T22:25:14	2002-03-12T22:19:28
Observation end time	132378378.184000	132378518.49728
Observation end date	2002-03-13T03:45:14	2002-03-13T03:48:38

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

2.3 Aspect



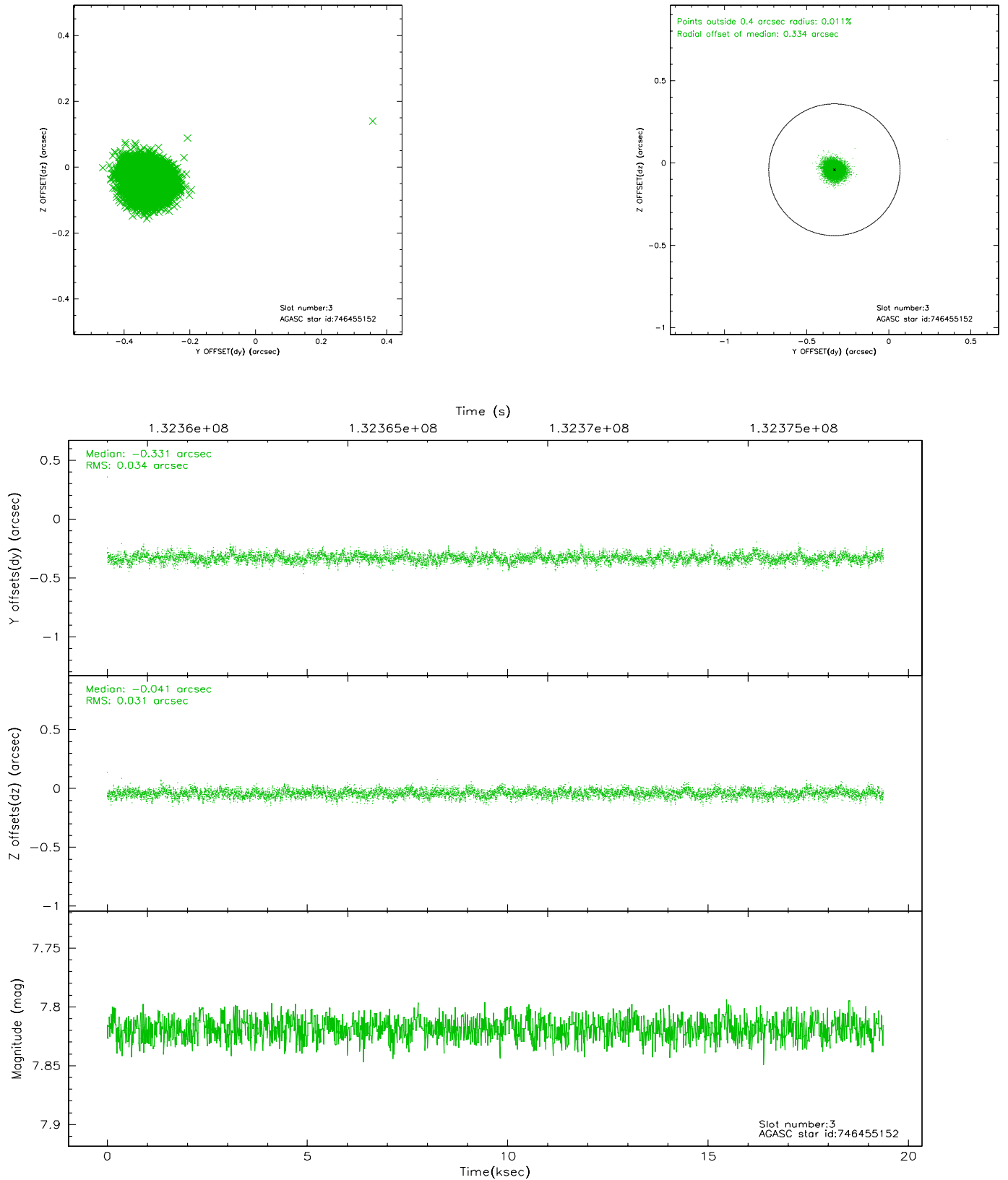


Slot Statistics

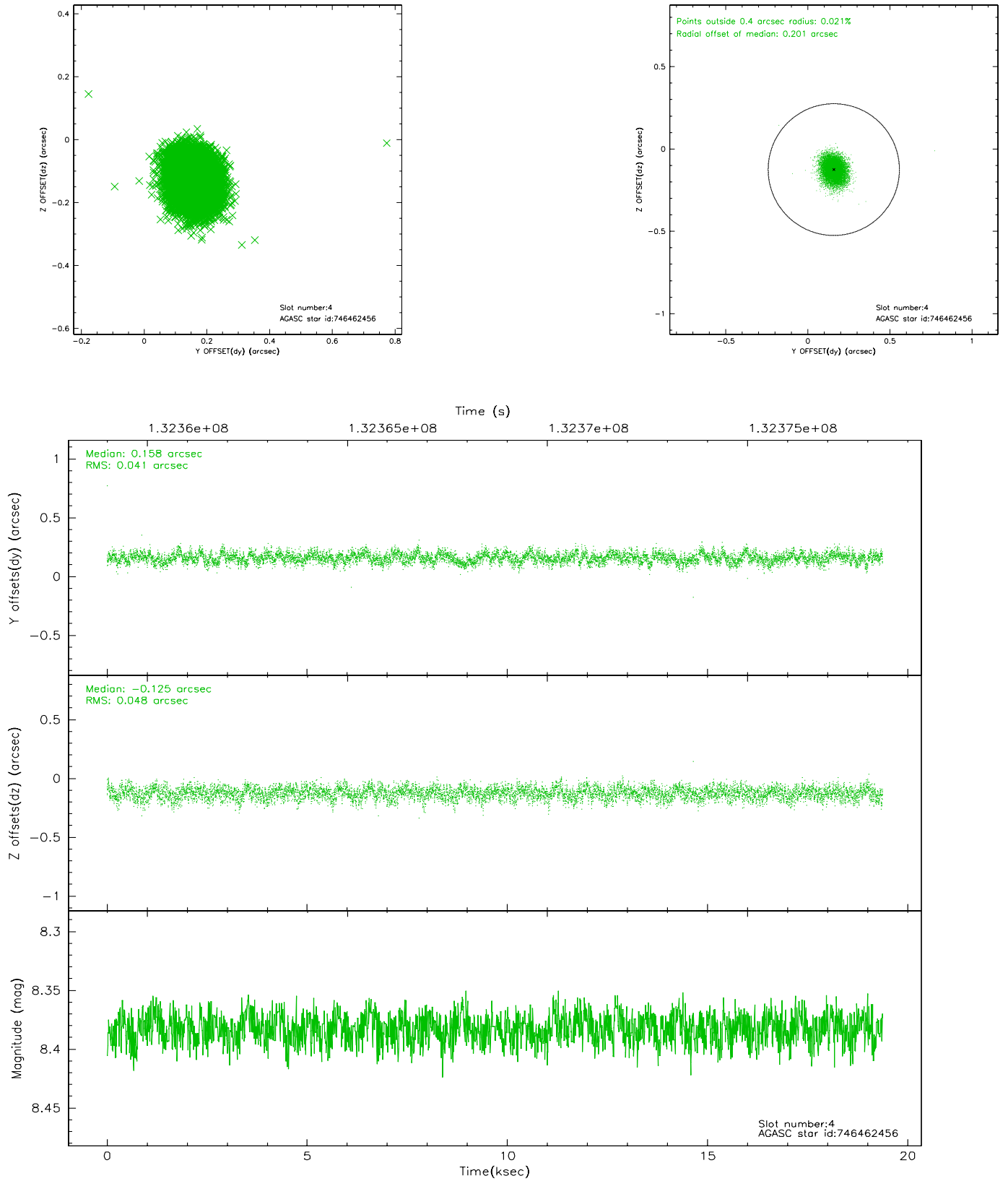
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	4726	0.024	0.009	0.007	0.012	0.000000	0.000000	-758.73	-1294.46
1	FID	HRC-I-2	7.01	4725	0.064	-0.049	0.006	0.011	0.000000	0.000000	853.78	-1296.34
2	FID	HRC-I-3	7.05	4726	0.031	-0.050	0.006	0.011	0.000000	0.000000	-1187.07	1009.76
3	GUIDE	746455152	7.82	9453	-0.331	-0.041	0.049	0.079	278.447893	-9.976732	2201.46	-139.92
4	GUIDE	746462456	8.38	9449	0.158	-0.125	0.067	0.108	278.652171	-10.530173	212.73	-872.60
5	GUIDE	746462392	8.54	9448	0.177	0.131	0.085	0.132	279.038421	-10.890715	-1080.82	-2243.44
6	GUIDE	746455112	8.94	9371	0.148	-0.012	0.080	0.131	278.266531	-10.703234	-416.84	488.90
7	GUIDE	746460272	8.92	9451	-0.151	0.051	0.074	0.122	278.847488	-10.152127	1576.08	-1558.84

2.4 Star Slots

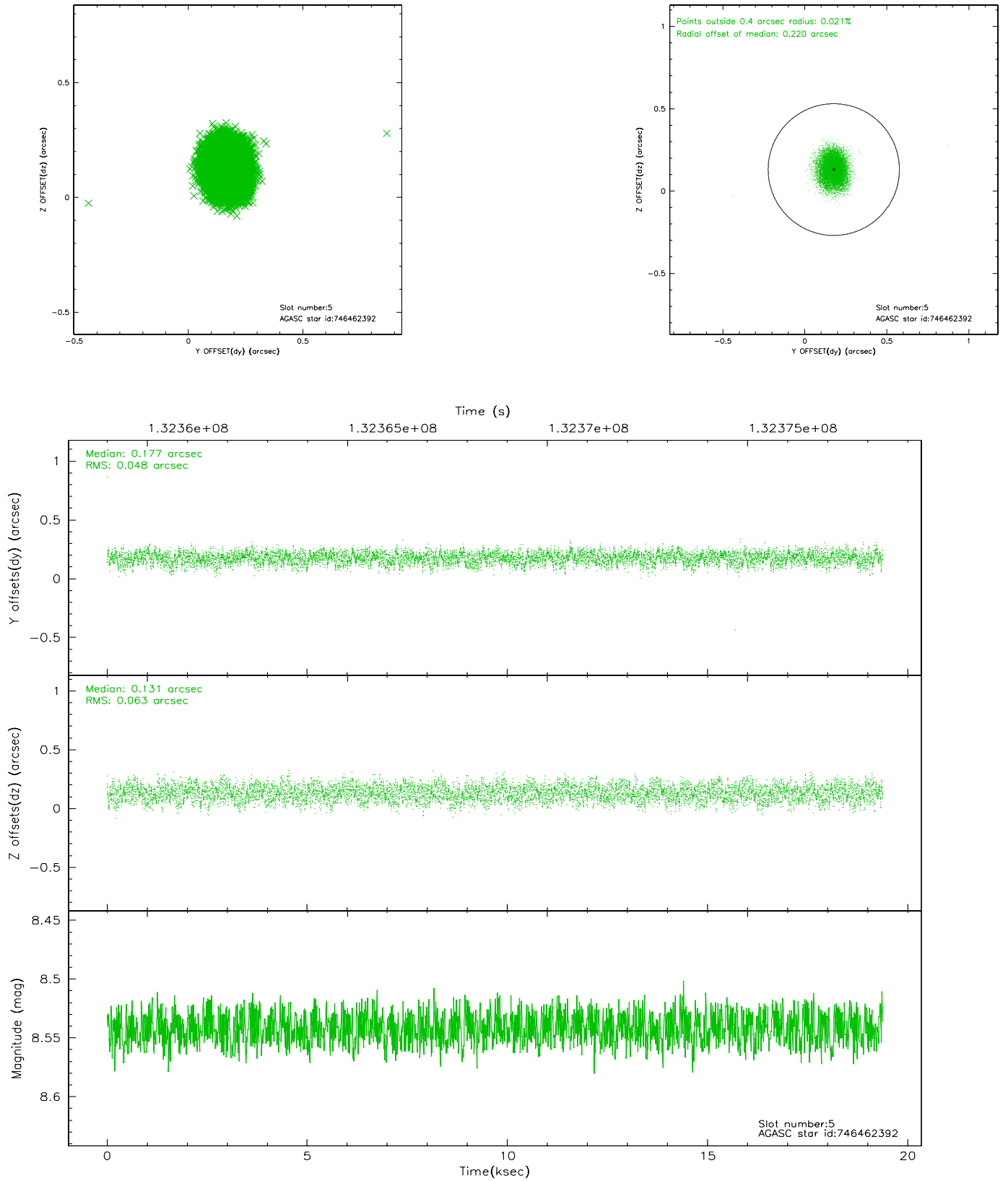
2.4.1 Slot 3



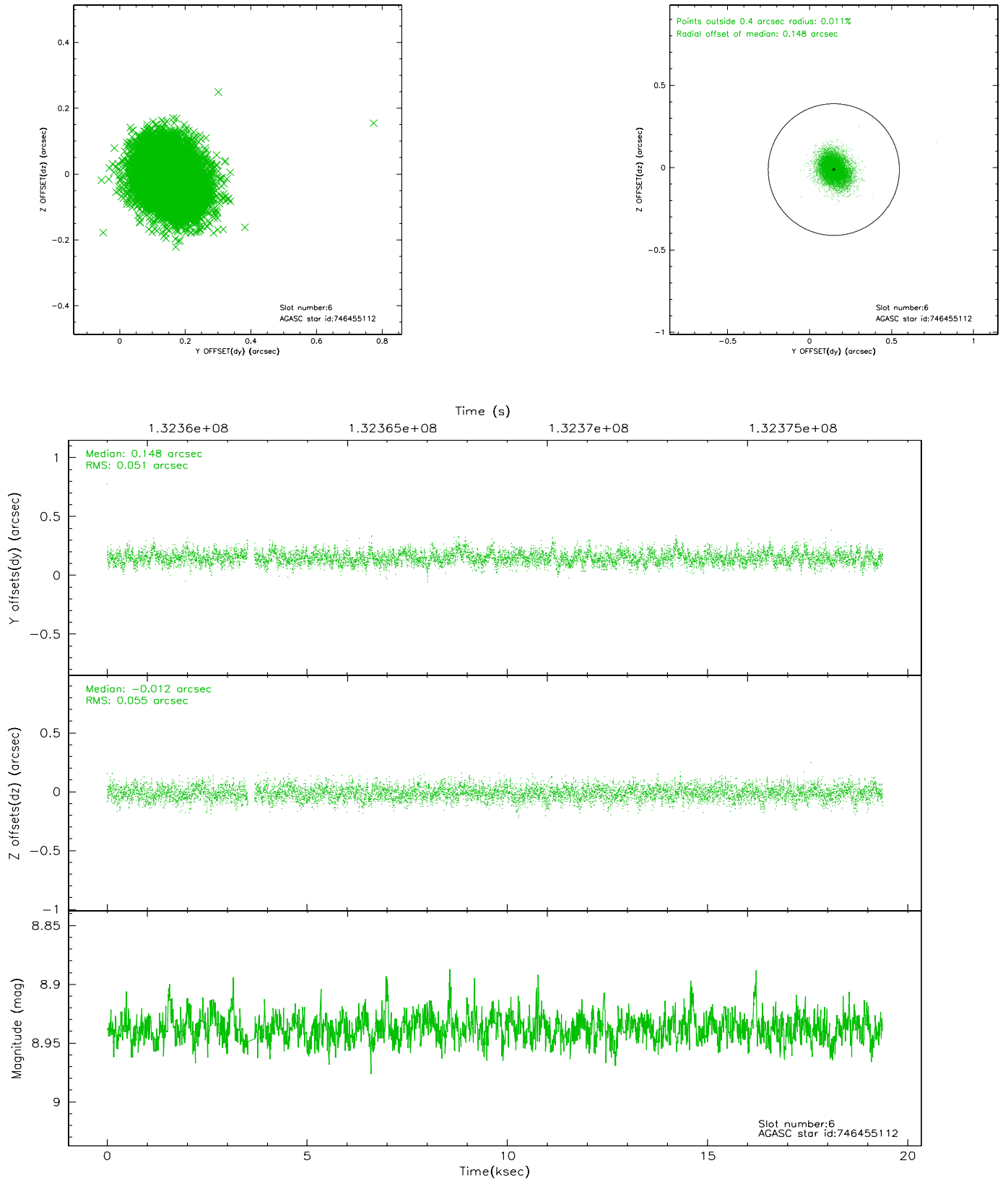
2.4.2 Slot 4



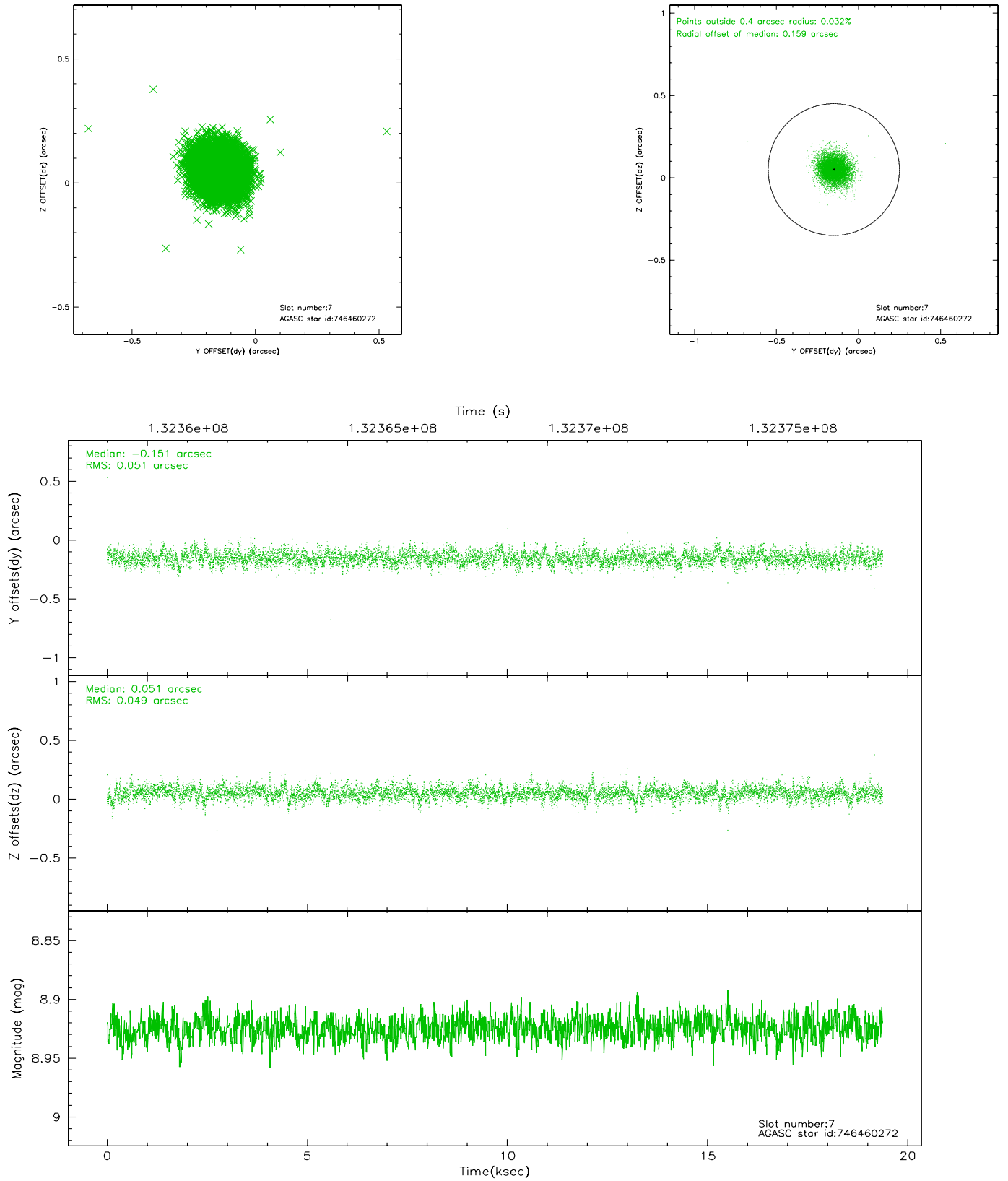
2.4.3 Slot 5



2.4.4 Slot 6

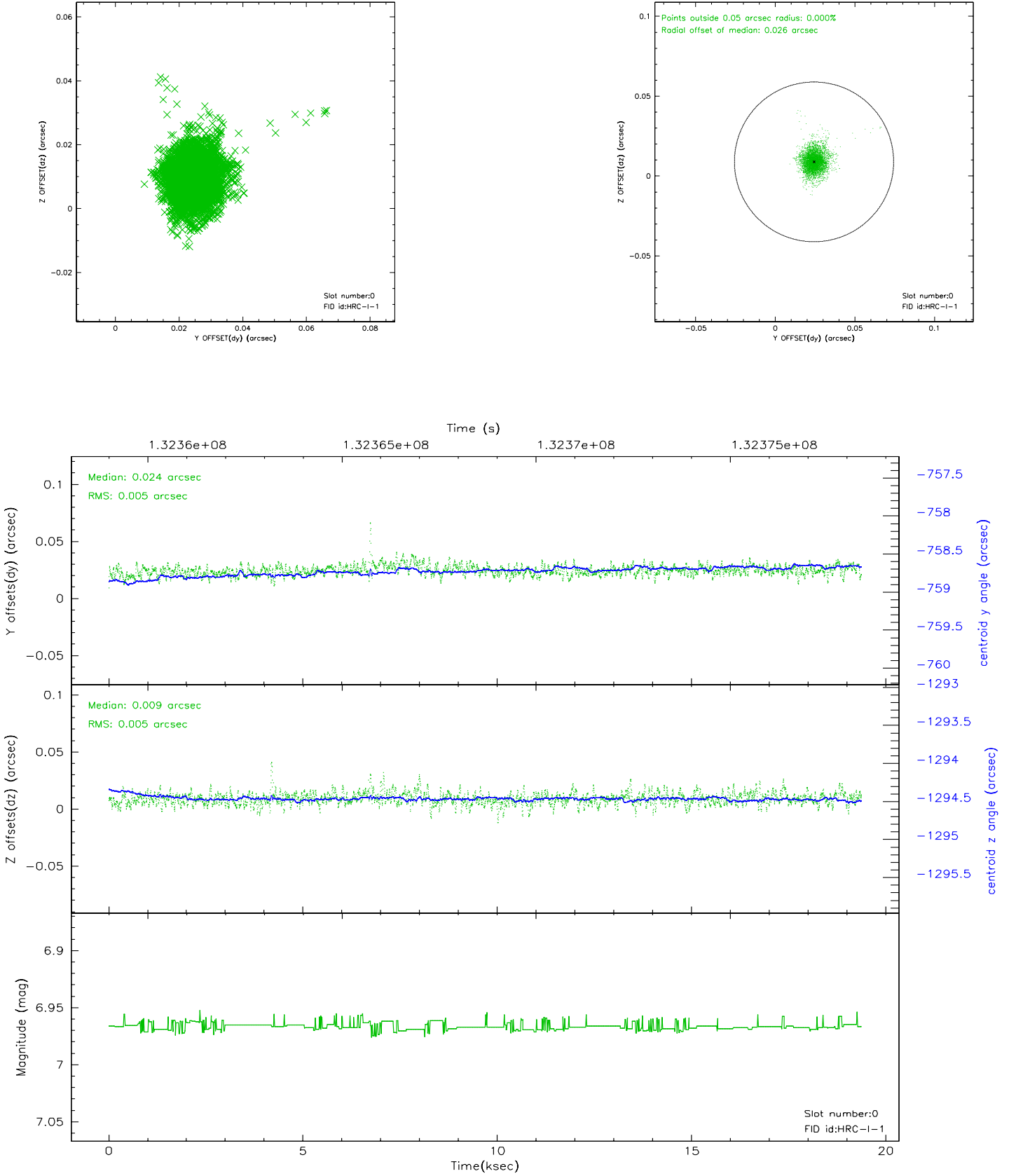


2.4.5 Slot 7

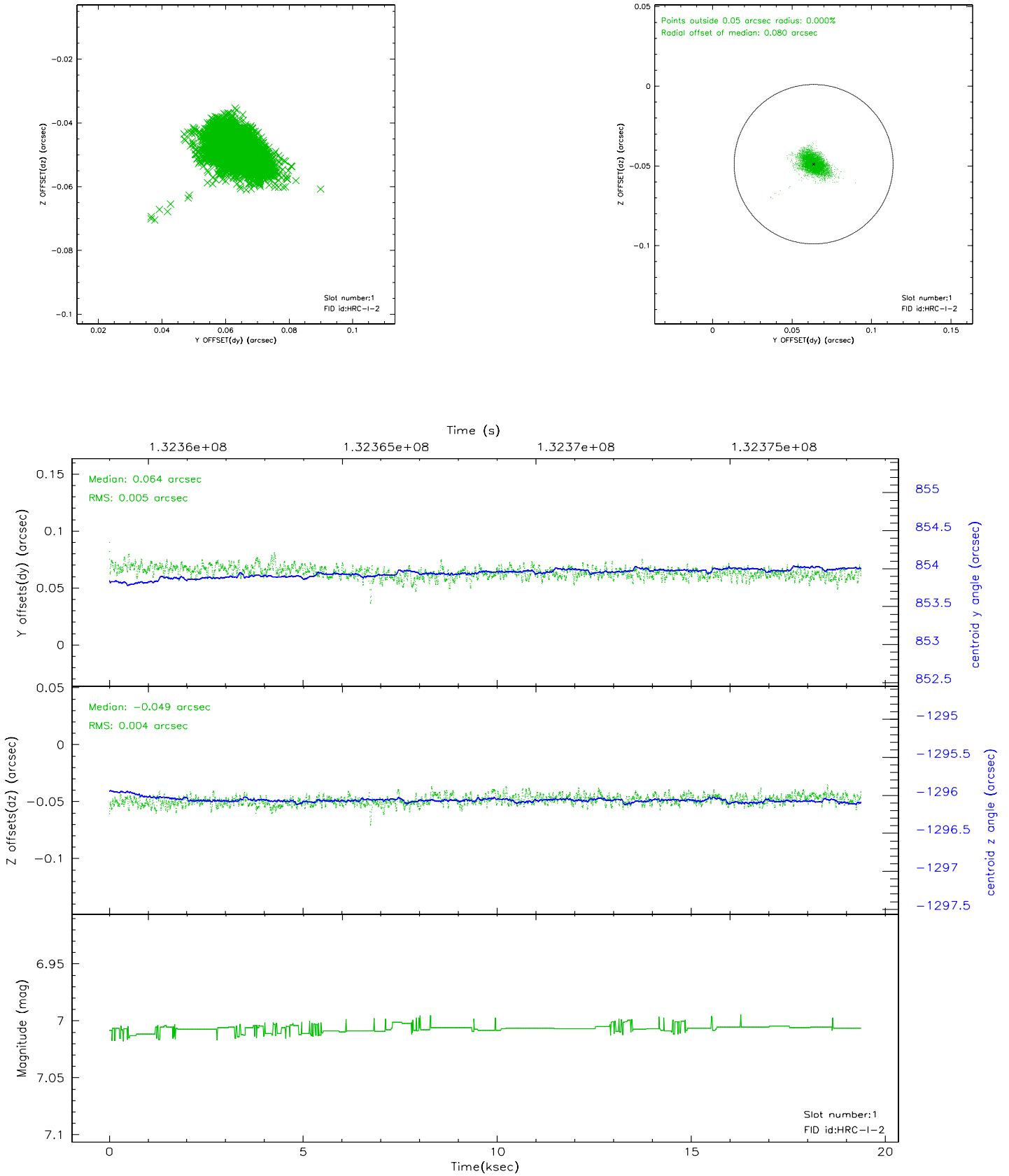


2.5 FID Slots

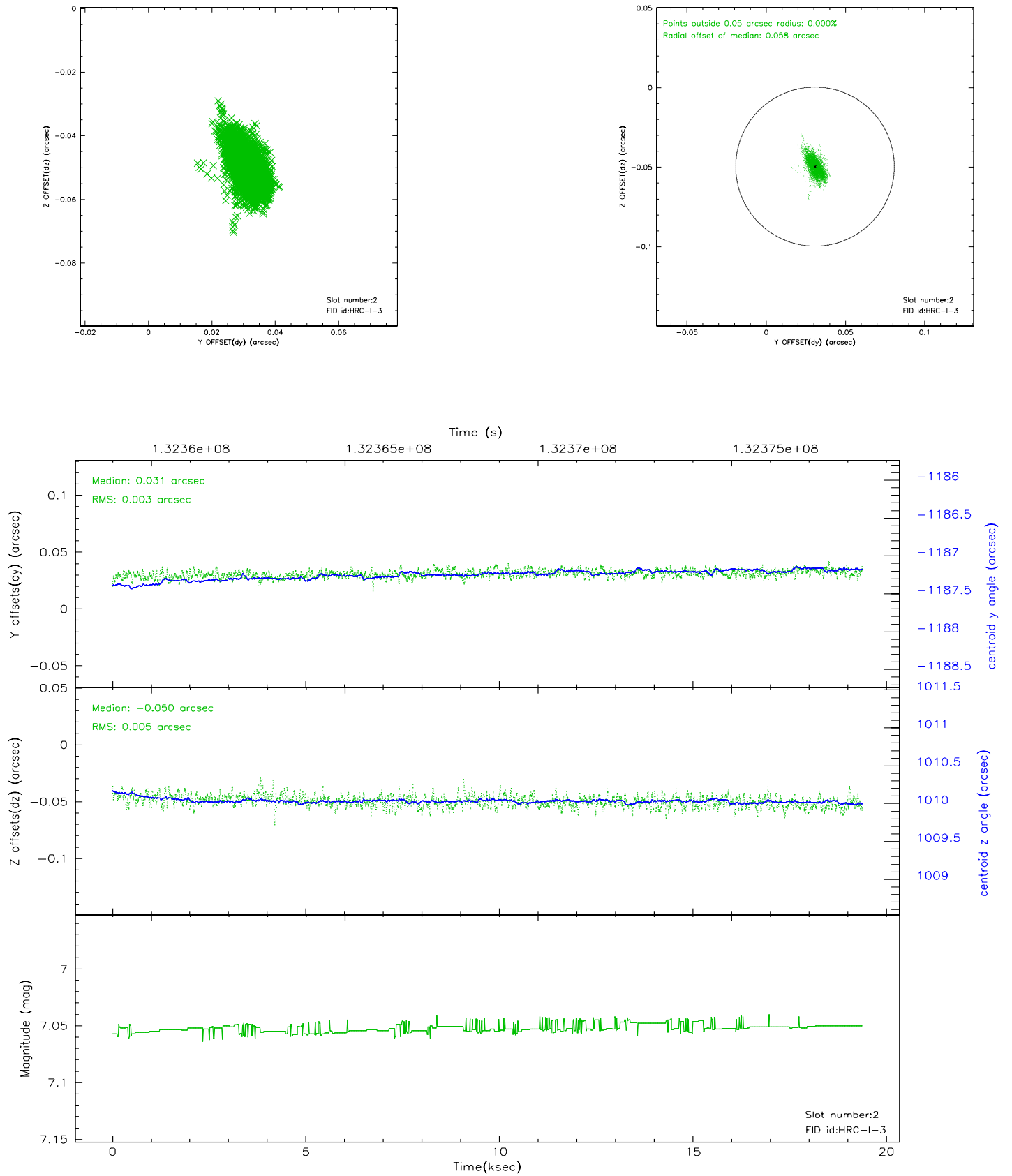
2.5.1 Slot 0



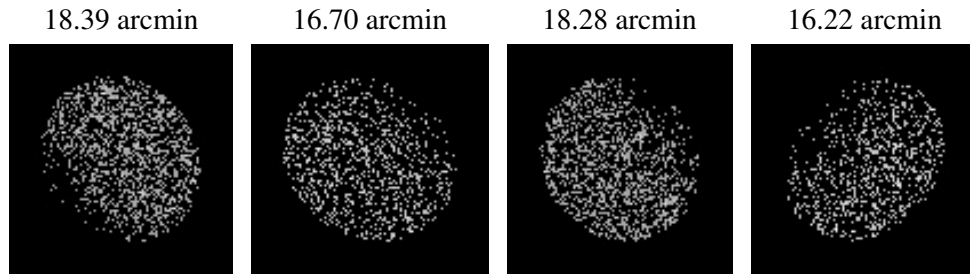
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.182

A.2 Comments

Window constraint satisfied. There is a small spike in the count rate at ~10 ksec.

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.