

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5981 - L2 Version 3
Chandra X-Ray Center

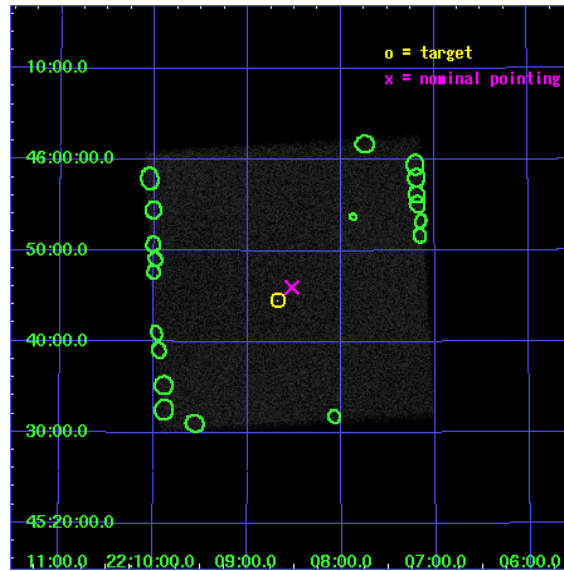
L2 Processing Date : Nov 24 2007

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1 Front

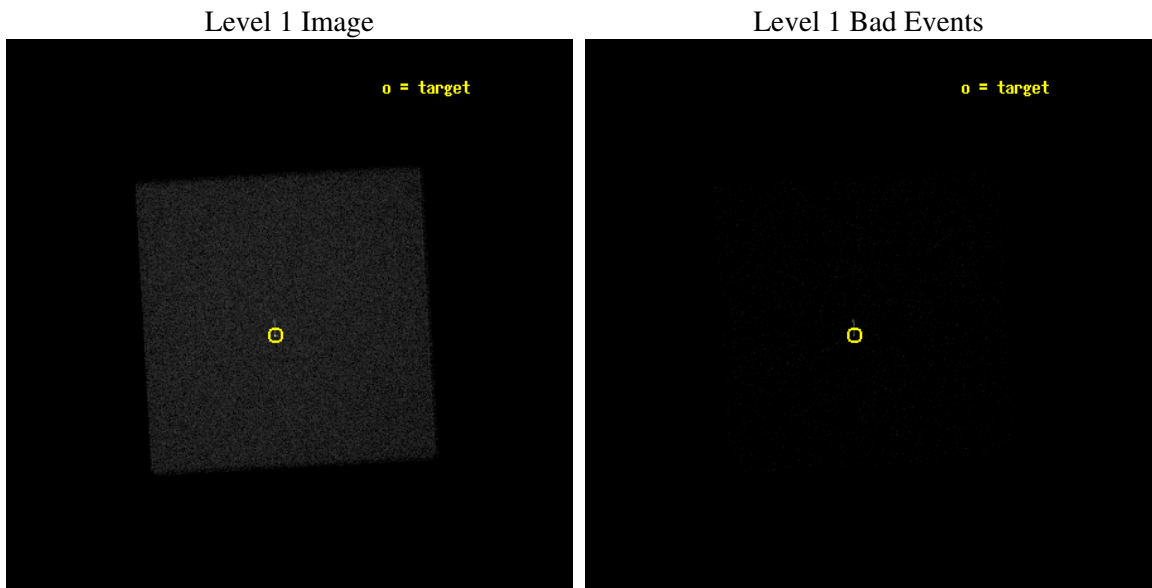
seq_num	290473
obs_id	5981
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.13166995297
dec_nom	45.766676127285
roll_nom	221.74617327704
revision	3
ontime	1180.0313042998
livetime	589.79639075627
l2events	167651



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	2007-11-24T16:21:40
revision	3

sched_exp_time	1000.000000
ontime	1180.0313042998
l1events	278069

2.1.3 Events

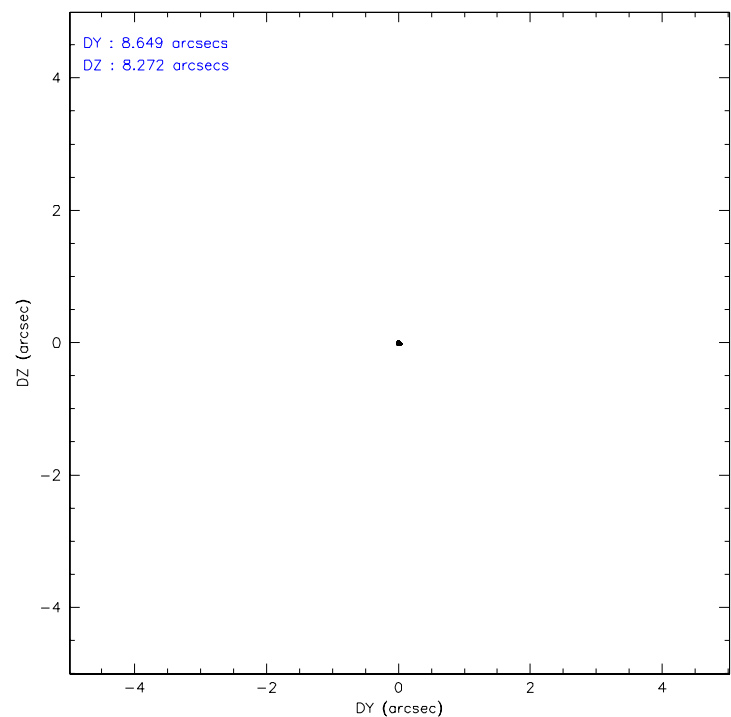
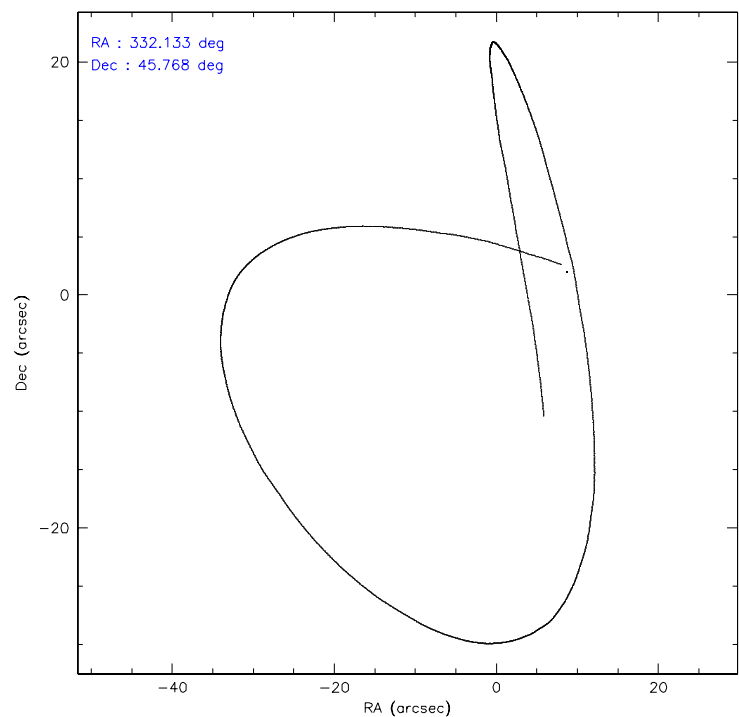
Level 1 Events

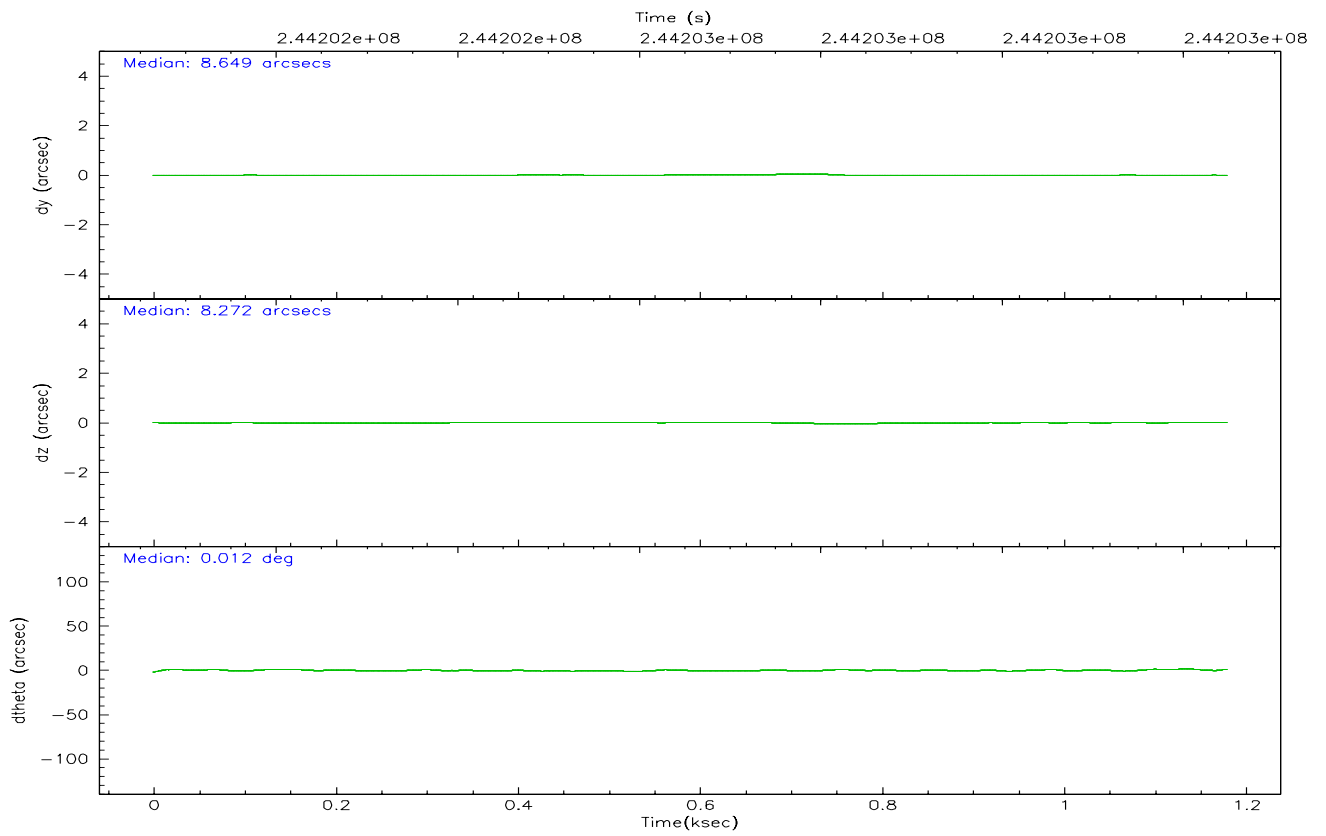
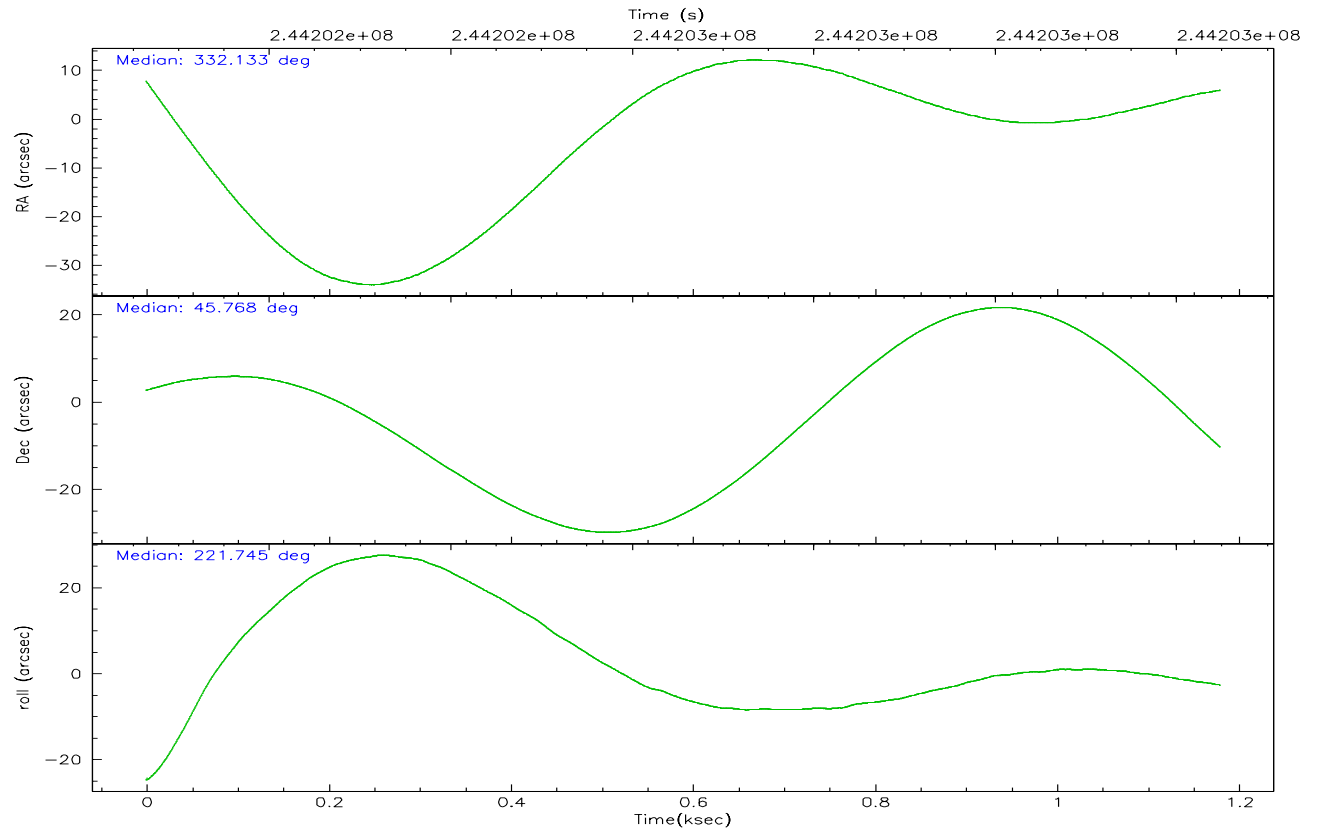
	segment 0
level 1 events	278069
rejected events	60485
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.143818	332.1316699529672			
Pointing Dec	45.791706	45.76667612728509			
Pointing Roll	221.833031	221.7461732770369			
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	244202242.184000	244201866.45972			
Observation start date	2005-09-27T09:56:18	2005-09-27T09:51:06			
Observation end time	244203242.184000	244203376.28479			
Observation end date	2005-09-27T10:12:58	2005-09-27T10:16:16			

2.3 Aspect



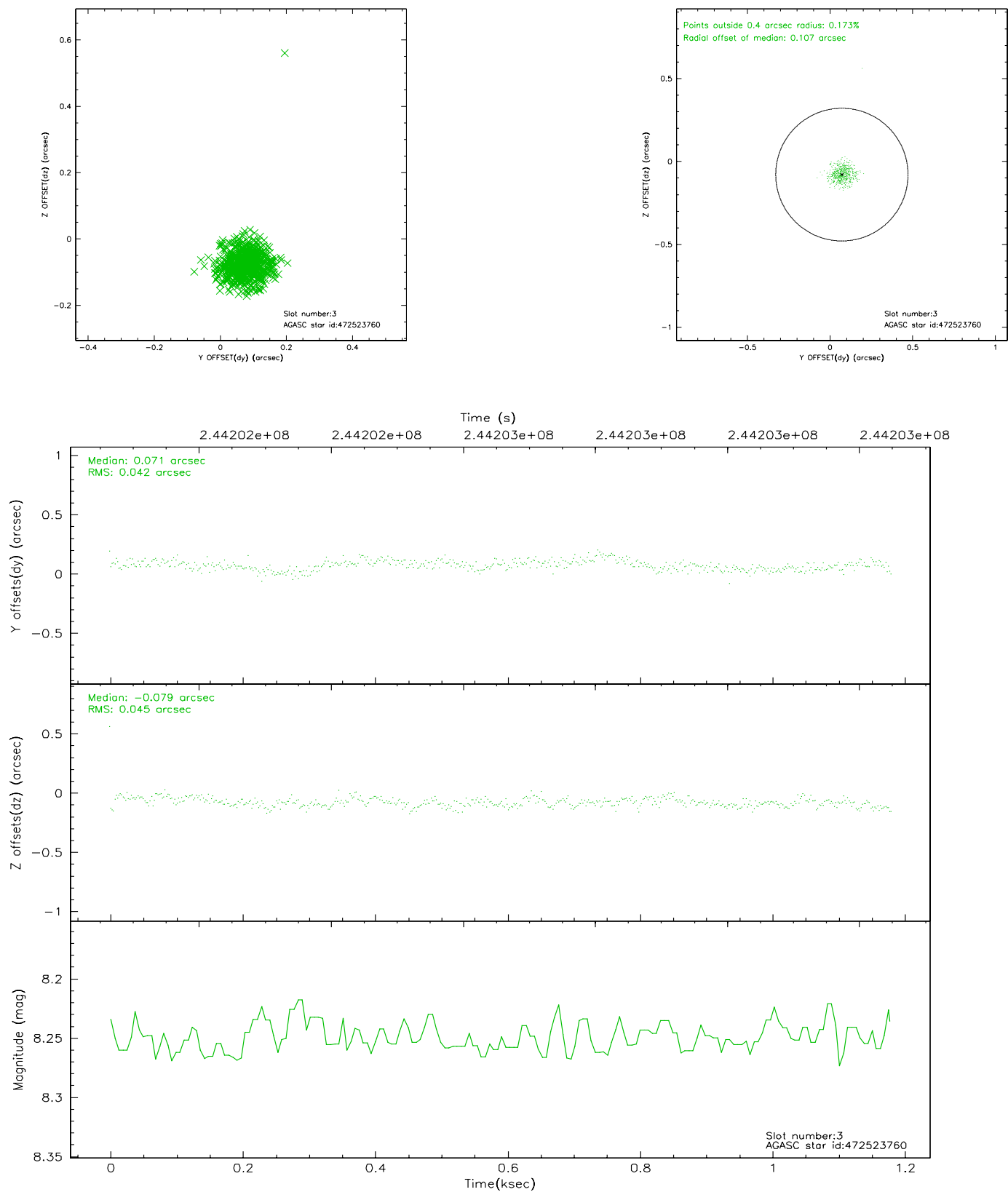


Slot Statistics

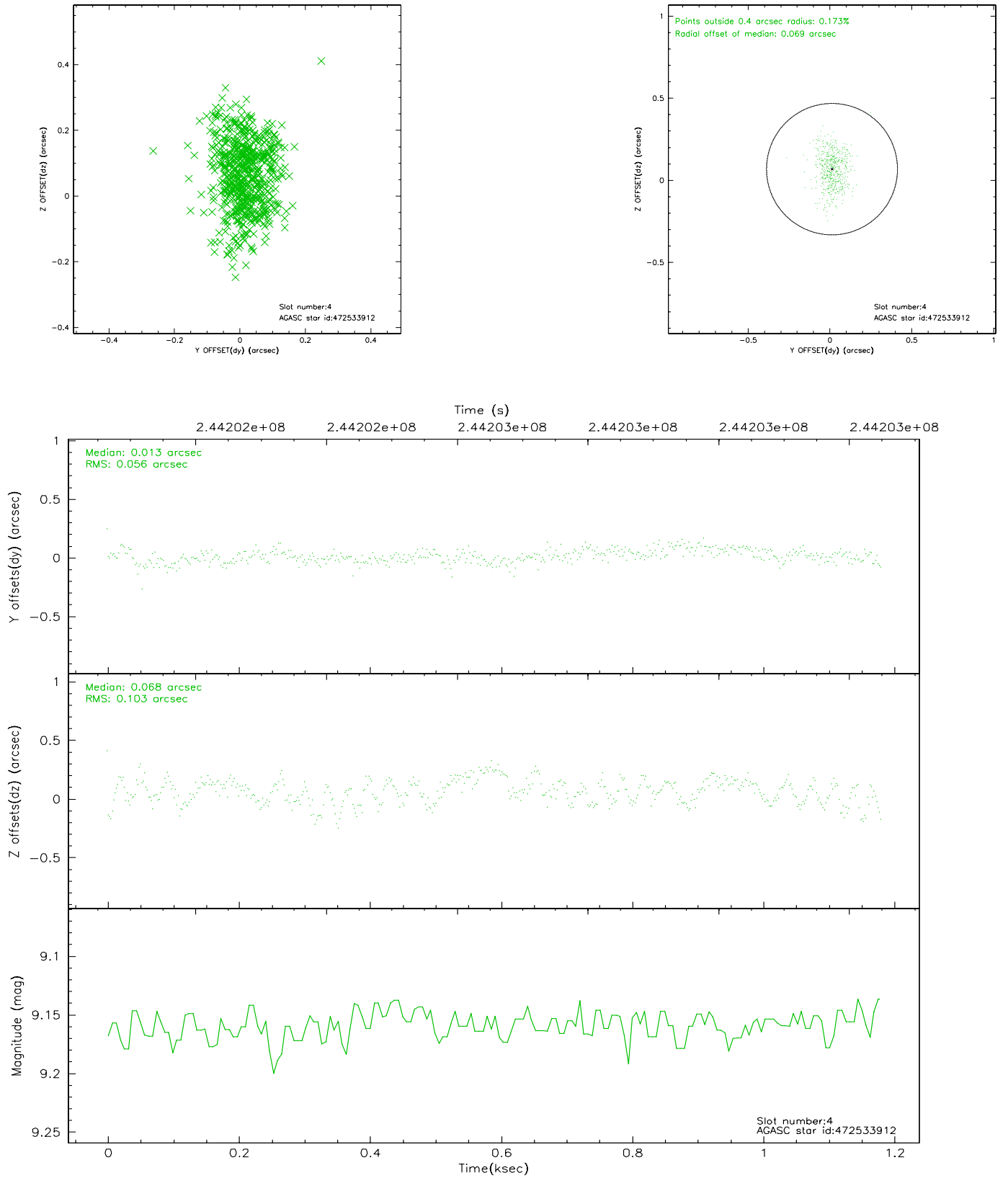
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	288	-0.032	0.016	0.005	0.009	0.000000	0.000000	-764.40	-1296.09
1	FID	HRC-I-2	7.02	288	0.143	-0.087	0.007	0.011	0.000000	0.000000	845.75	-1302.36
2	FID	HRC-I-4	7.01	288	0.005	-0.021	0.005	0.009	0.000000	0.000000	1281.51	1001.39
3	GUIDE	472523760	8.25	577	0.071	-0.079	0.060	0.093	331.645363	45.403260	1869.82	202.70
4	GUIDE	472533912	9.16	577	0.013	0.068	0.123	0.210	331.791136	46.368695	-729.82	-2128.96
5	GUIDE	472655152	9.43	577	0.093	-0.030	0.109	0.191	332.504239	45.862991	-846.05	410.34
6	GUIDE	472525528	6.66	577	-0.207	0.040	0.071	0.120	331.551102	45.248694	2418.62	455.30
7	GUIDE	472659832	9.46	575	0.021	0.004	0.081	0.136	332.780399	46.098139	-1918.92	238.14

2.4 Star Slots

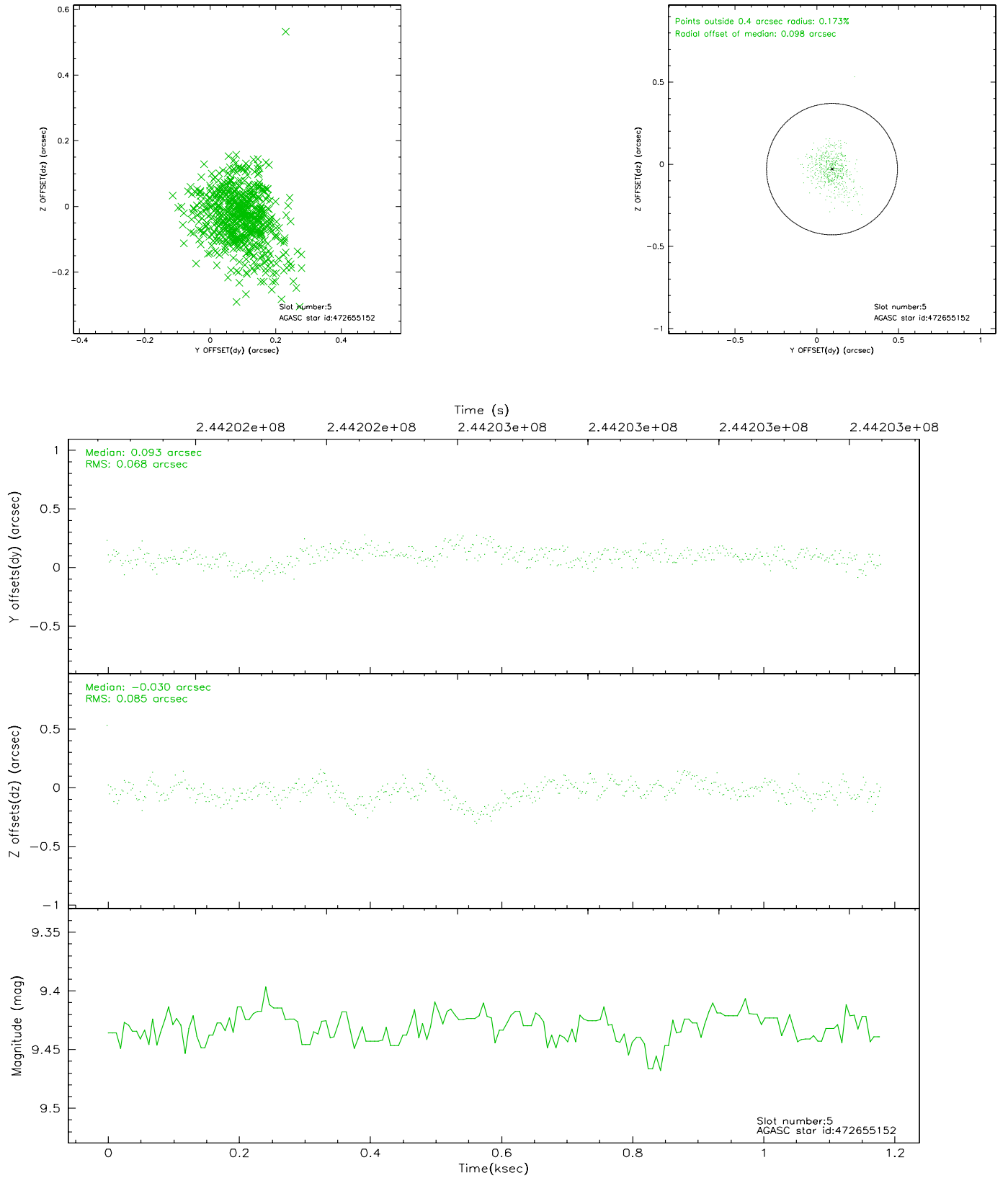
2.4.1 Slot 3



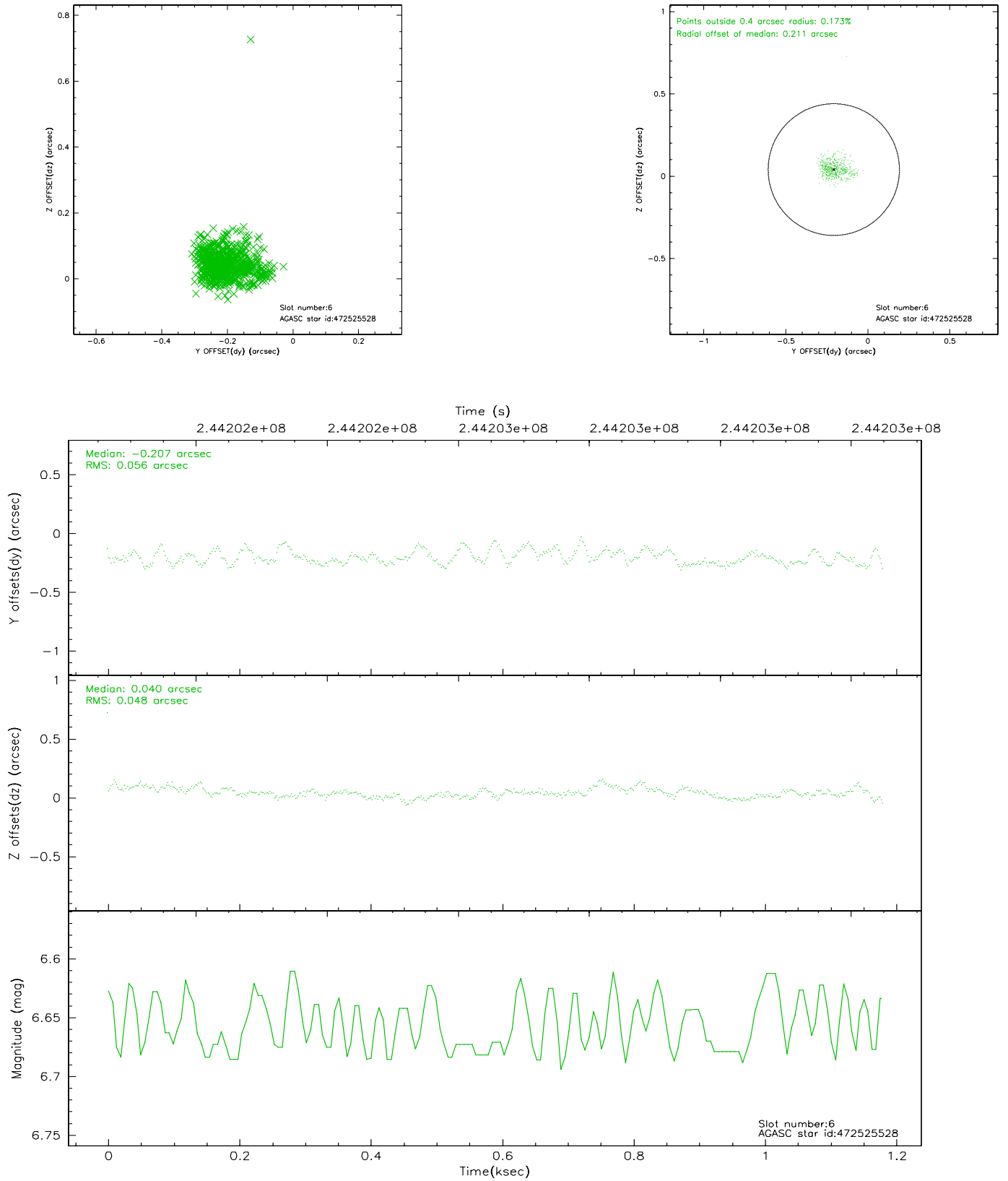
2.4.2 Slot 4



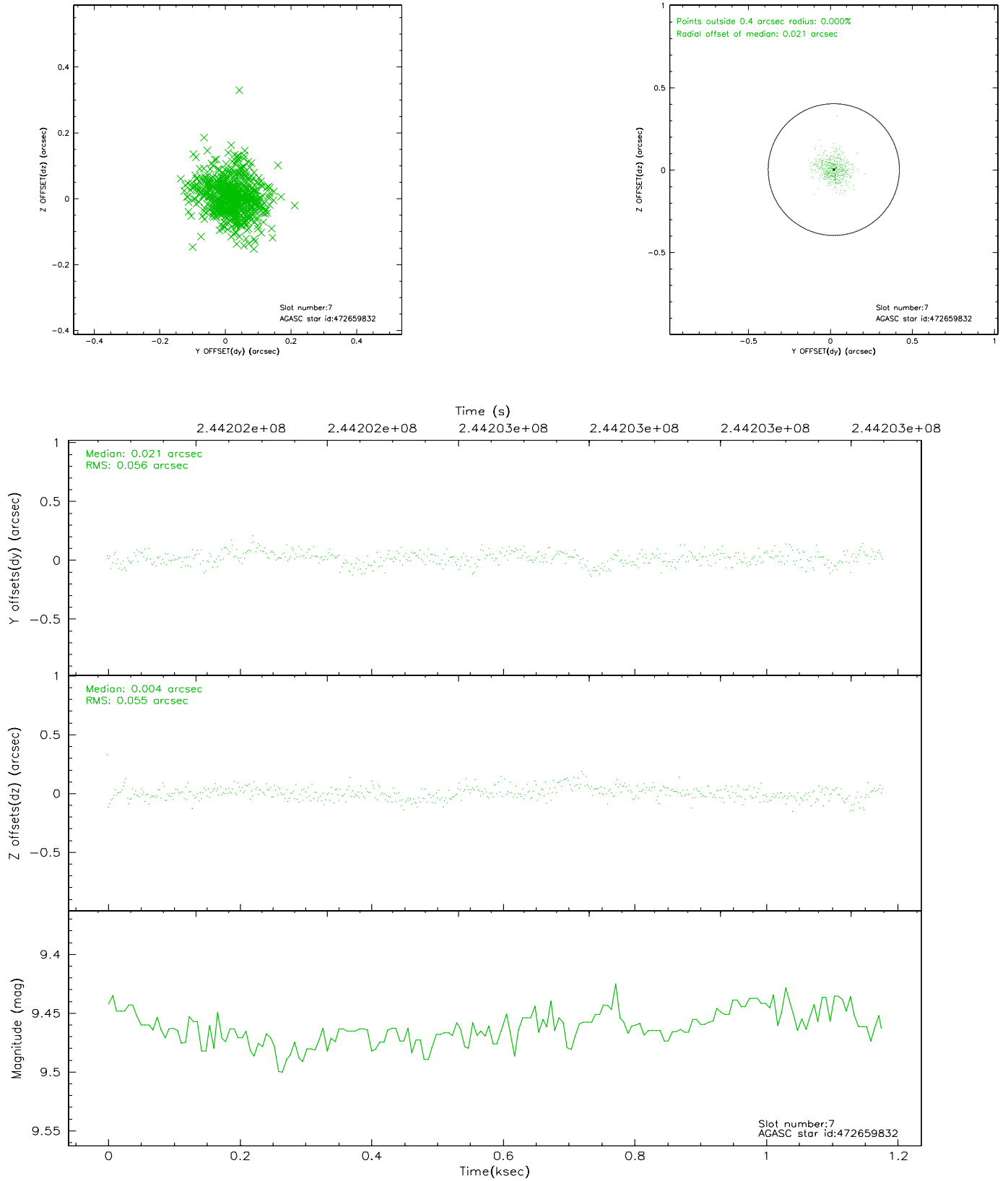
2.4.3 Slot 5



2.4.4 Slot 6

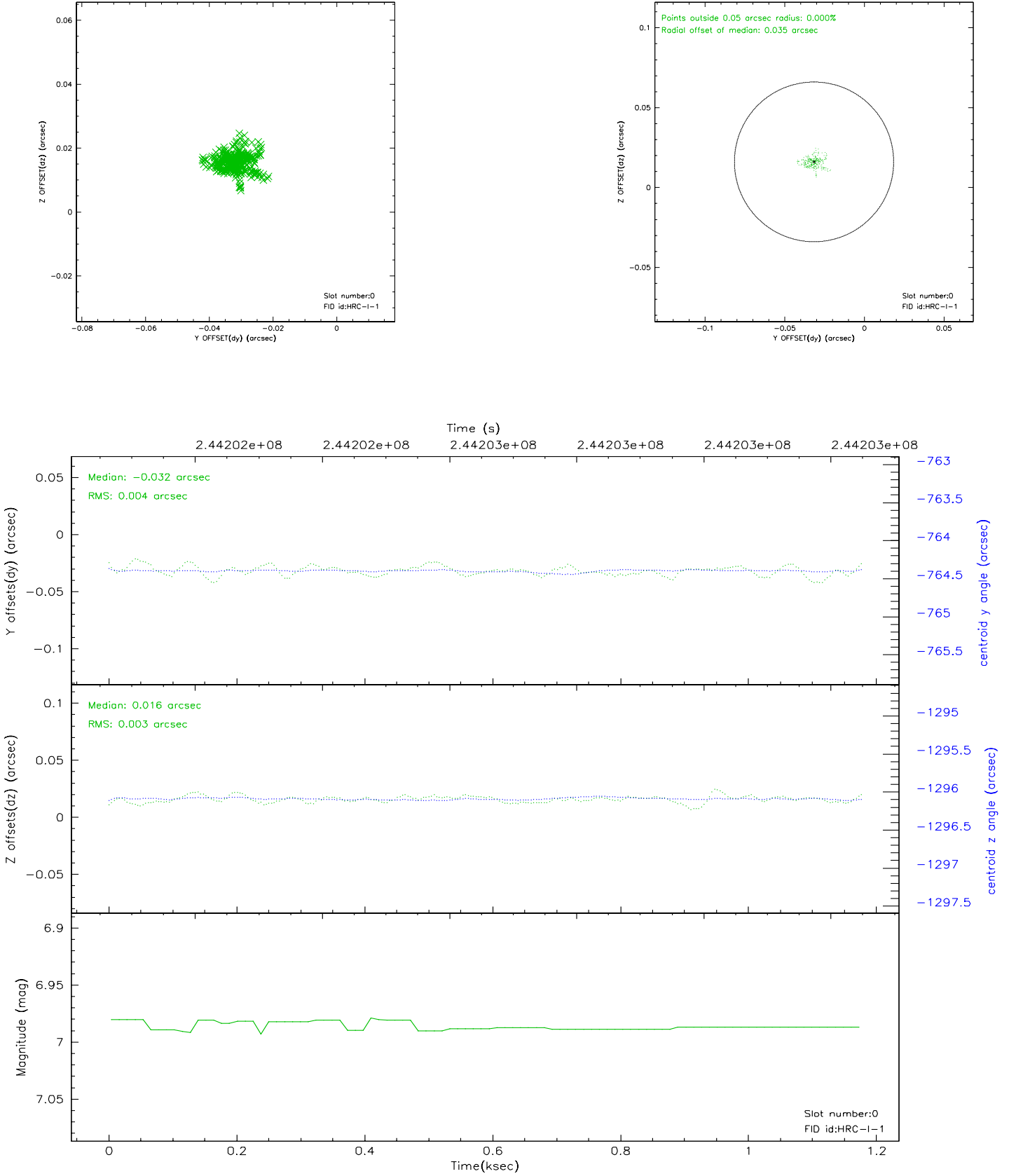


2.4.5 Slot 7

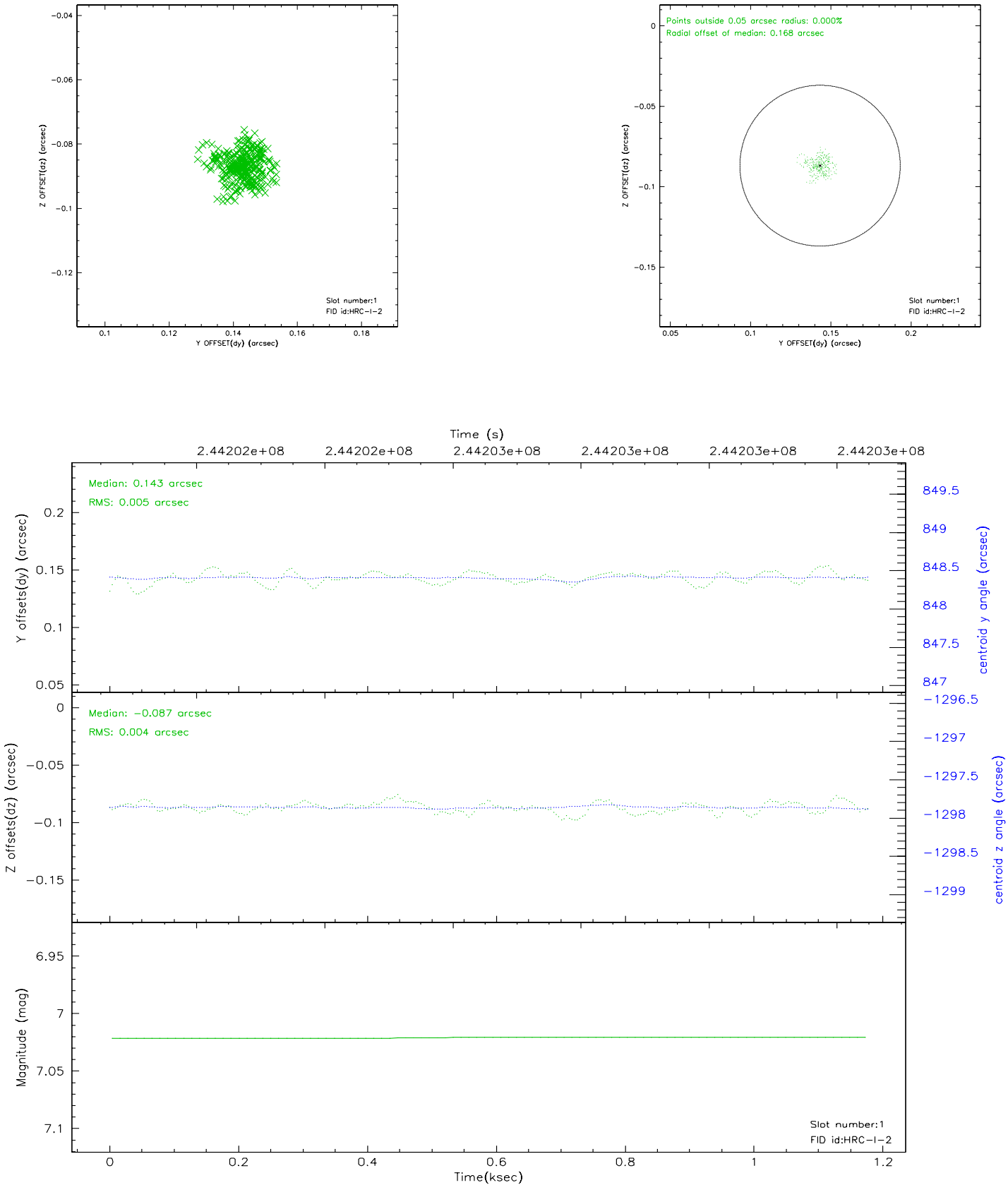


2.5 FID Slots

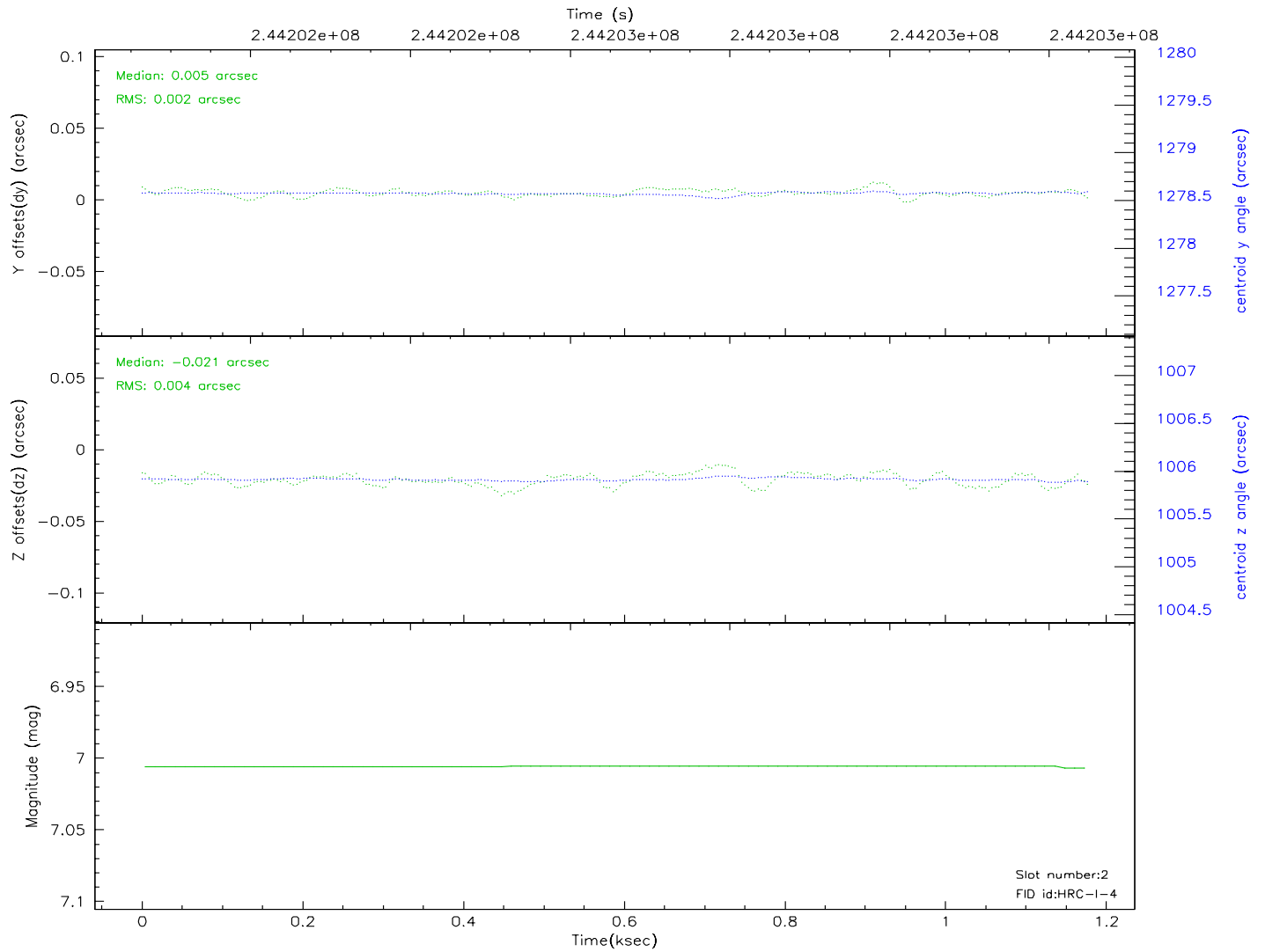
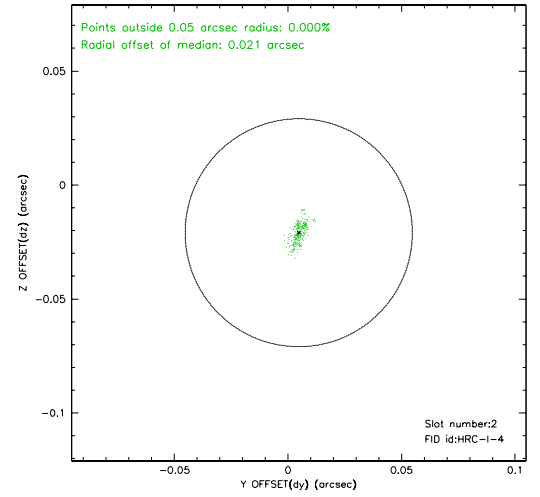
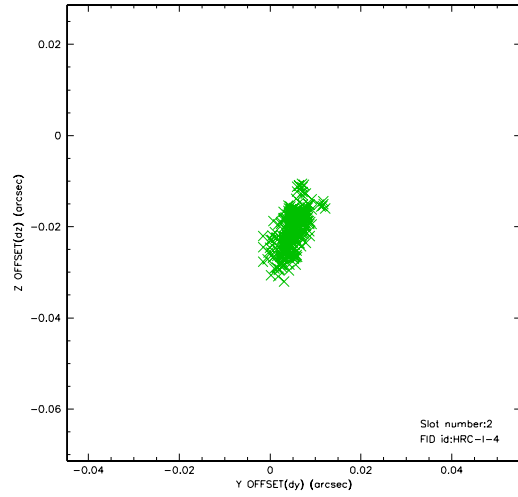
2.5.1 Slot 0



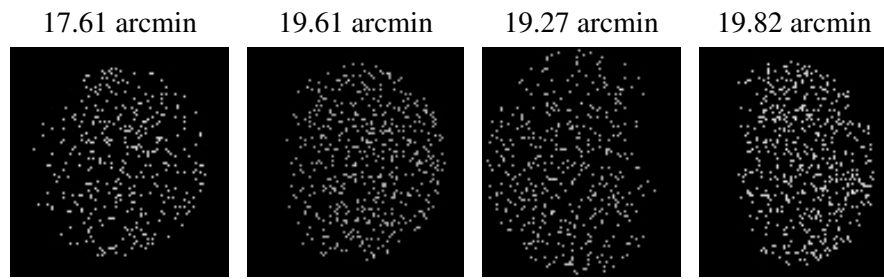
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.180031

A.2 Comments

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.