

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5982 - L2 Version 3
Chandra X-Ray Center

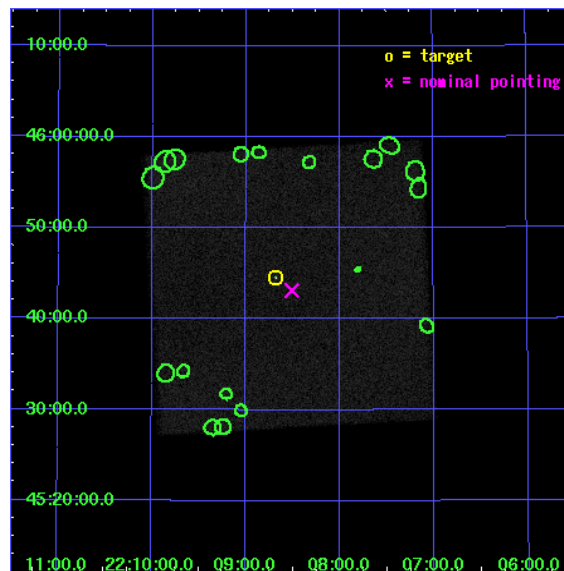
L2 Processing Date : Nov 24 2007

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1 Front

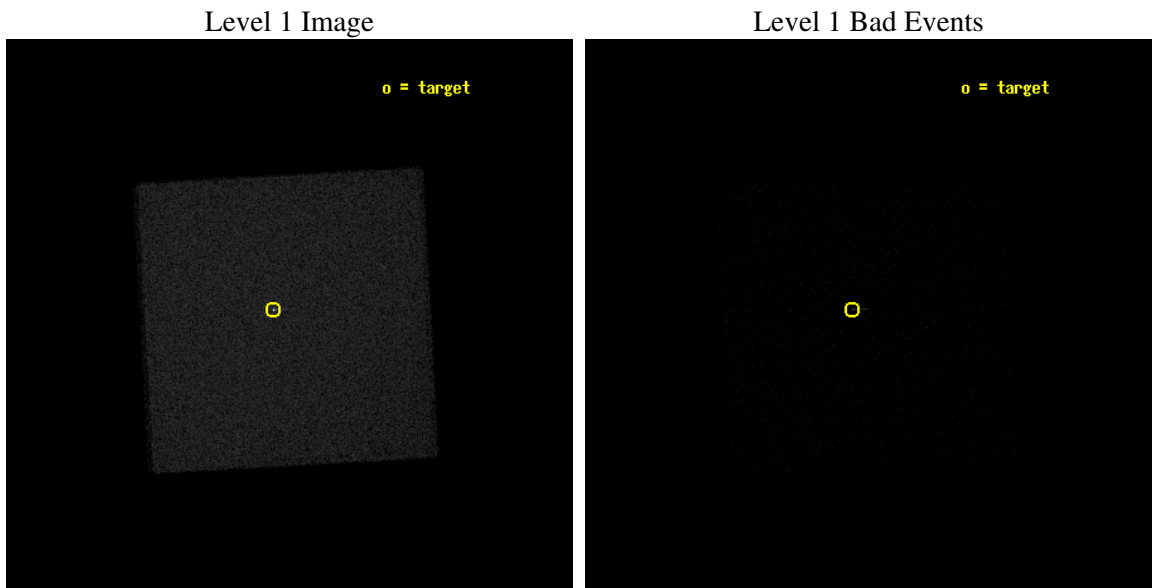
seq_num	290474
obs_id	5982
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.12736212421
dec_nom	45.719232597137
roll_nom	221.7968743899
revision	3
ontime	1184.1313044429
livetime	1061.4259754264
l2events	163752



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	2007-11-24T16:20:56
revision	3

sched_exp_time	1000.000000
ontime	1184.1313044429
l1events	278211

2.1.3 Events

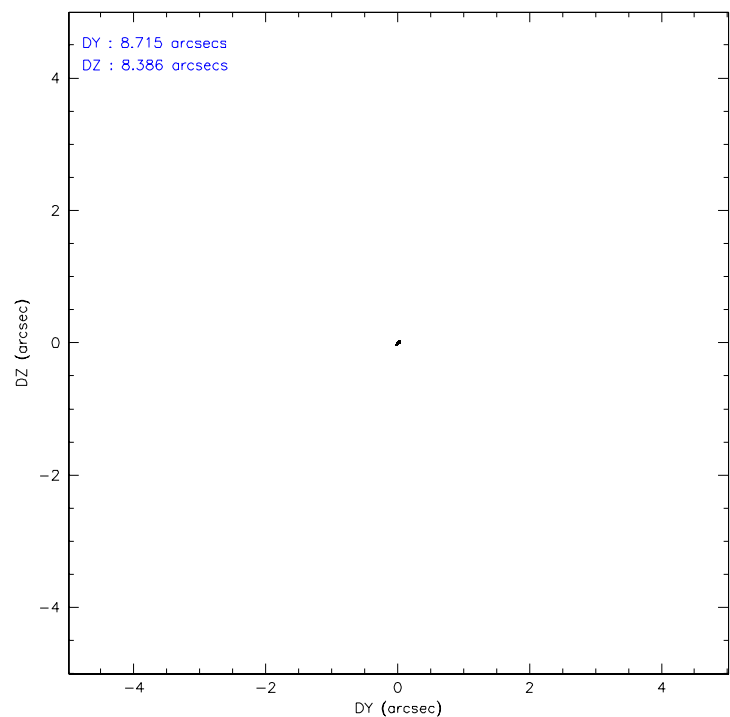
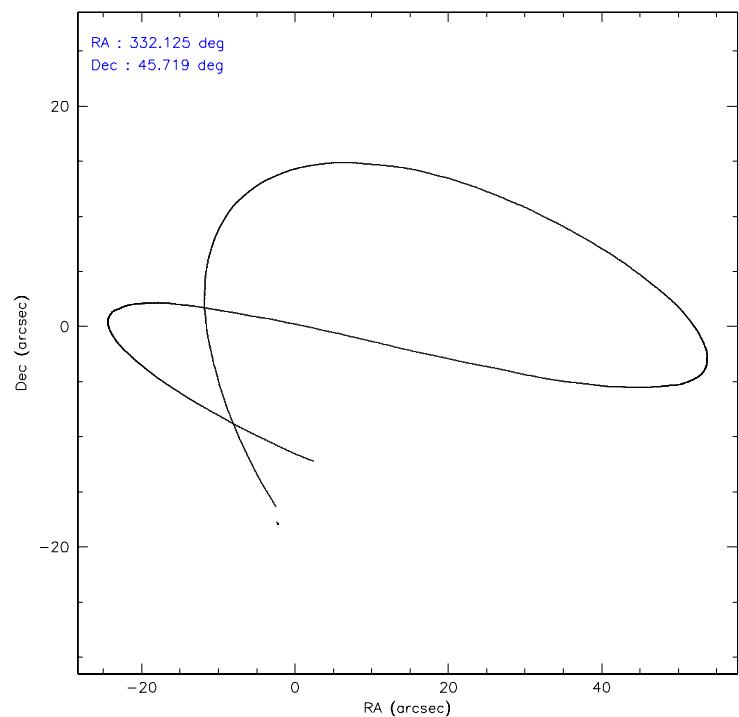
Level 1 Events

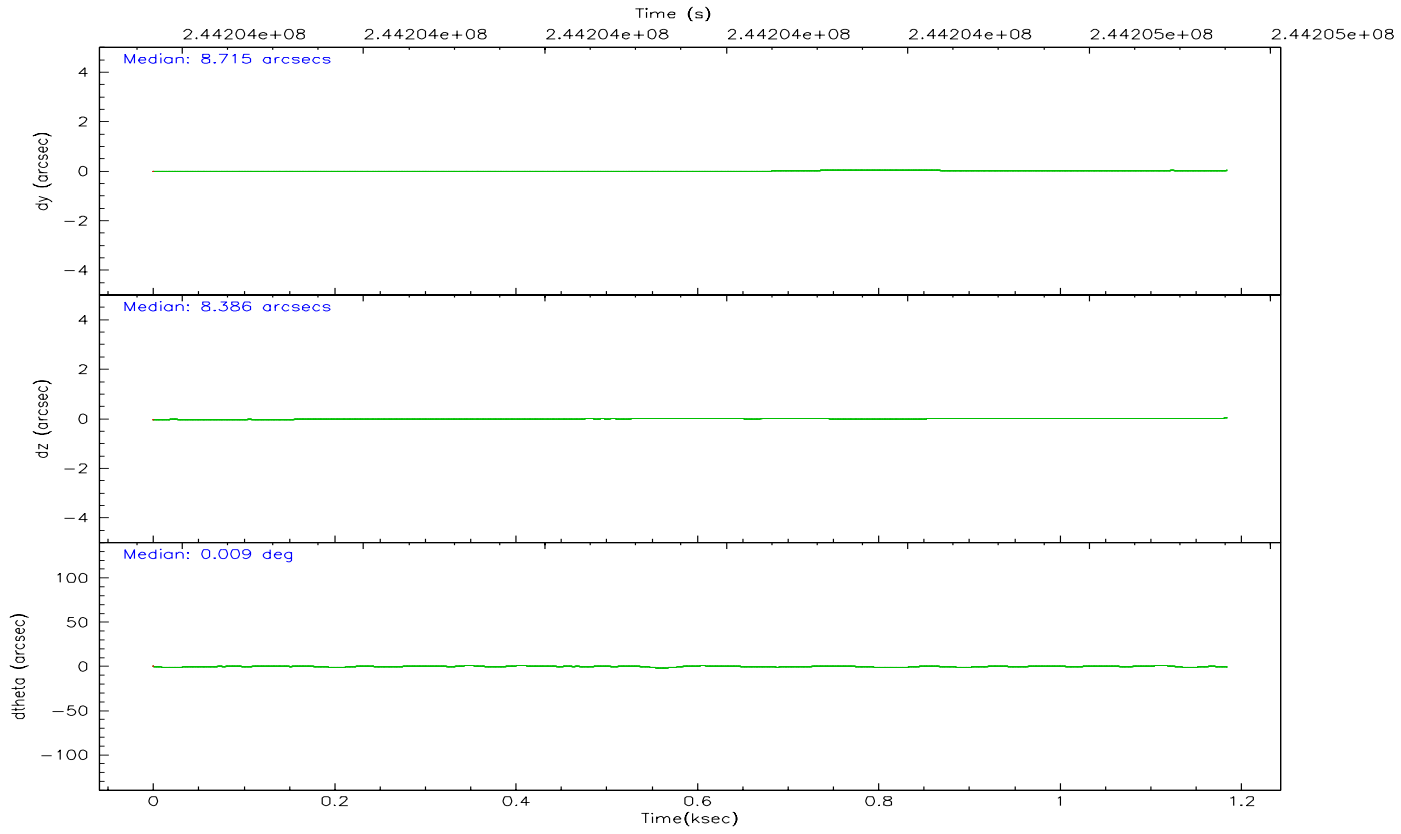
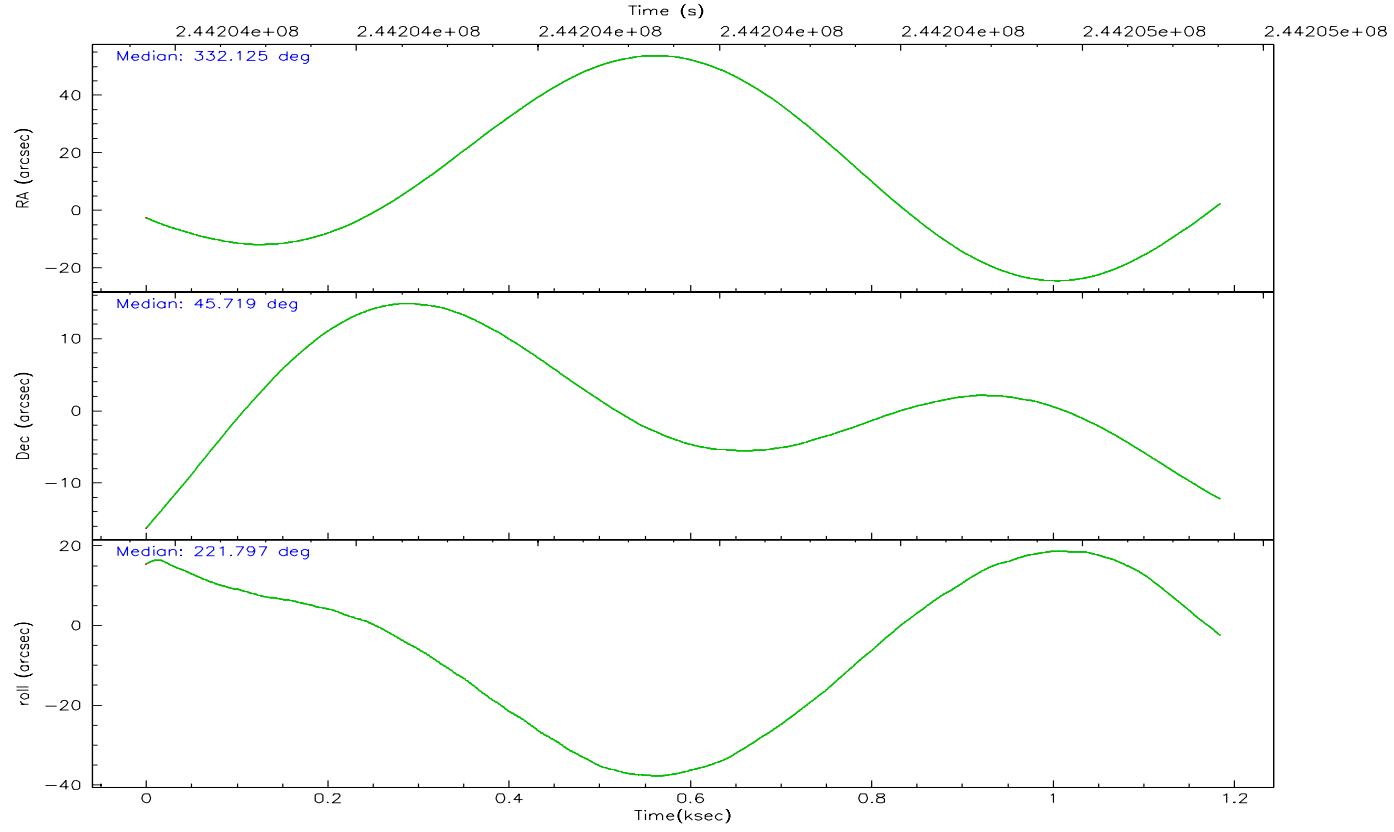
	segment 0
level 1 events	278211
rejected events	59775
rejected %	21%

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	332.140081	332.1273621242075			
Pointing Dec	45.744630	45.71923259713702			
Pointing Roll	221.883133	221.7968743899041			
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	244203752.184000	244203376.28479			
Observation start date	2005-09-27T10:21:28	2005-09-27T10:16:16			
Observation end time	244204752.184000	244204886.10986			
Observation end date	2005-09-27T10:38:08	2005-09-27T10:41:26			

2.3 Aspect



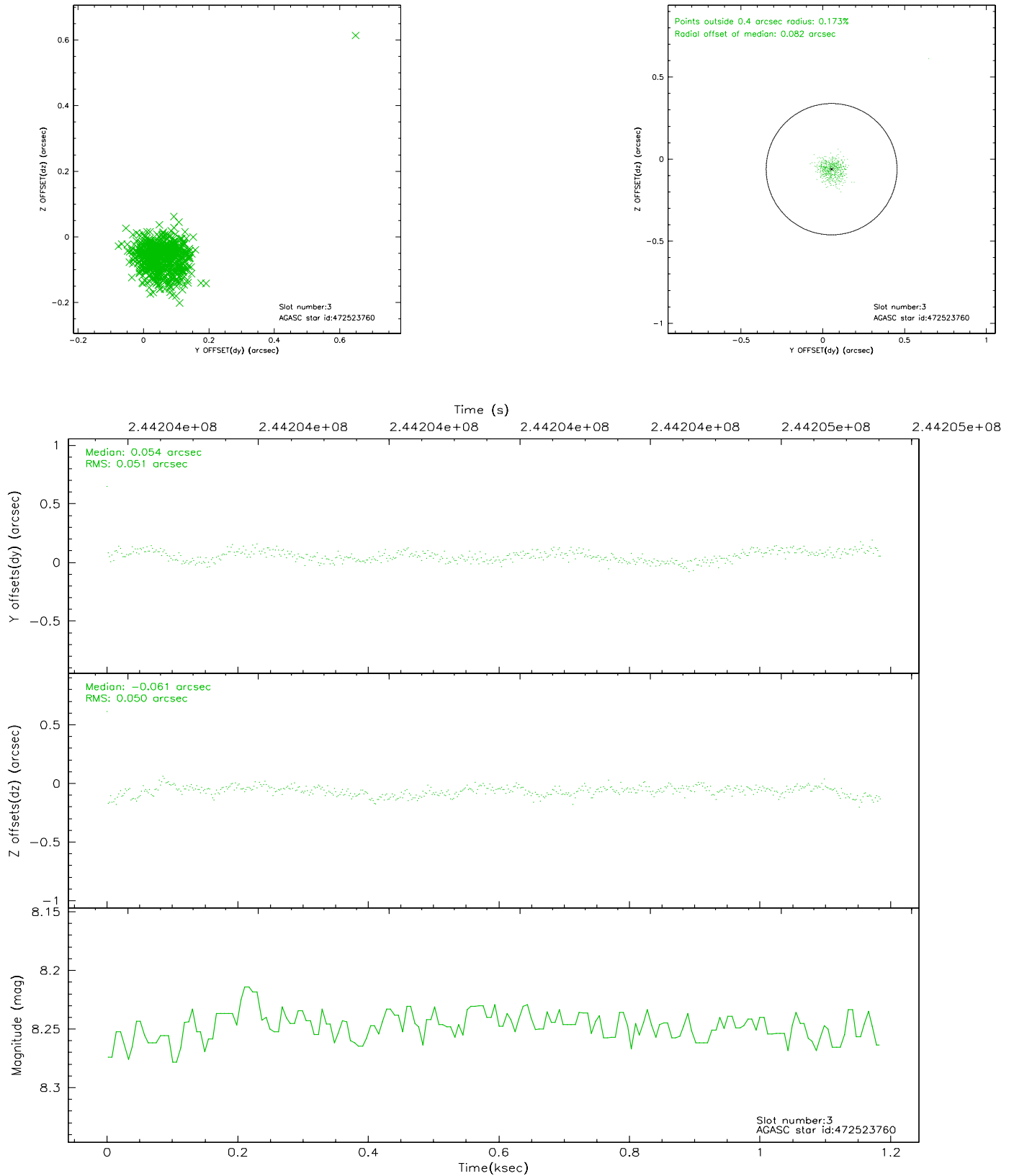


Slot Statistics

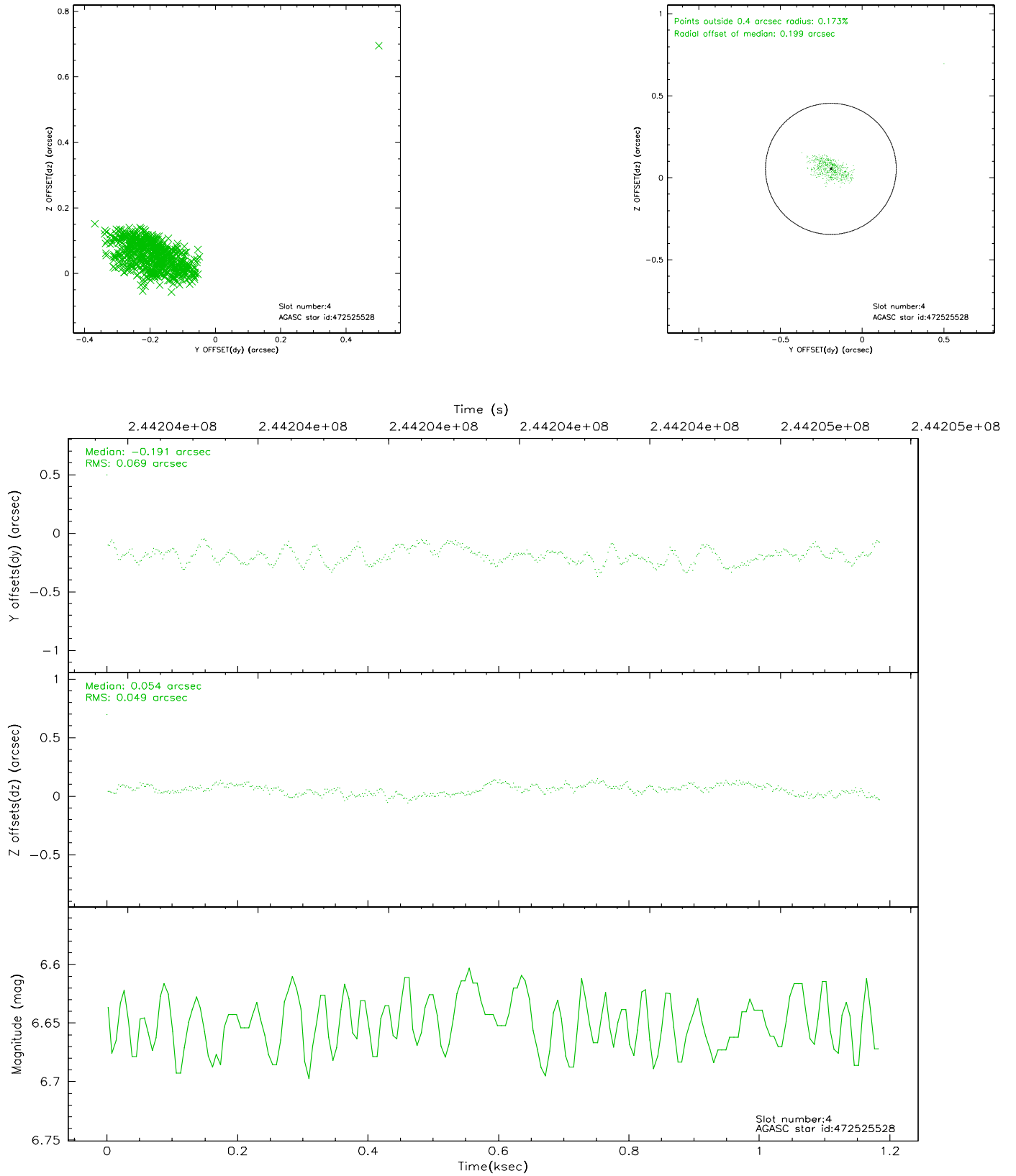
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	290	0.103	-0.084	0.007	0.010	0.000000	0.000000	848.37	-1297.93
1	FID	HRC-I-3	7.07	290	-0.079	0.039	0.007	0.011	0.000000	0.000000	-1189.99	1003.86
2	FID	HRC-I-4	7.00	290	0.095	-0.042	0.006	0.010	0.000000	0.000000	1274.43	1009.31
3	GUIDE	472523760	8.25	578	0.054	-0.061	0.066	0.100	331.645363	45.403260	1747.83	81.31
4	GUIDE	472525528	6.65	579	-0.191	0.054	0.081	0.132	331.551102	45.248694	2301.35	332.92
5	GUIDE	472533912	9.16	576	0.028	-0.009	0.112	0.187	331.791136	46.368695	-852.78	-2248.18
6	GUIDE	472655152	9.43	579	0.006	-0.090	0.103	0.170	332.504239	45.862991	-968.13	290.87
7	GUIDE	472665256	9.02	578	0.099	0.096	0.067	0.109	332.808125	46.195041	-2329.26	-96.36

2.4 Star Slots

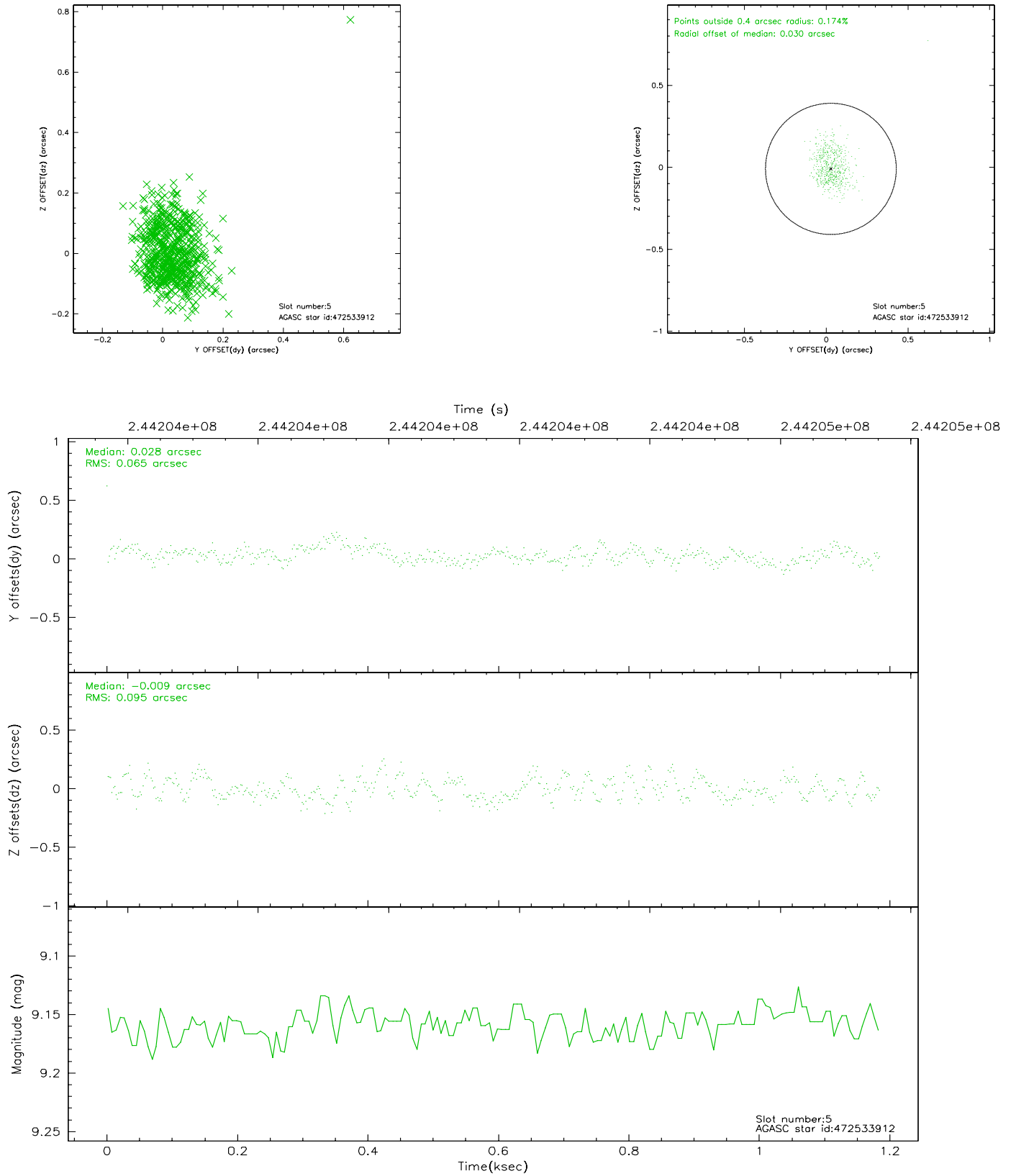
2.4.1 Slot 3



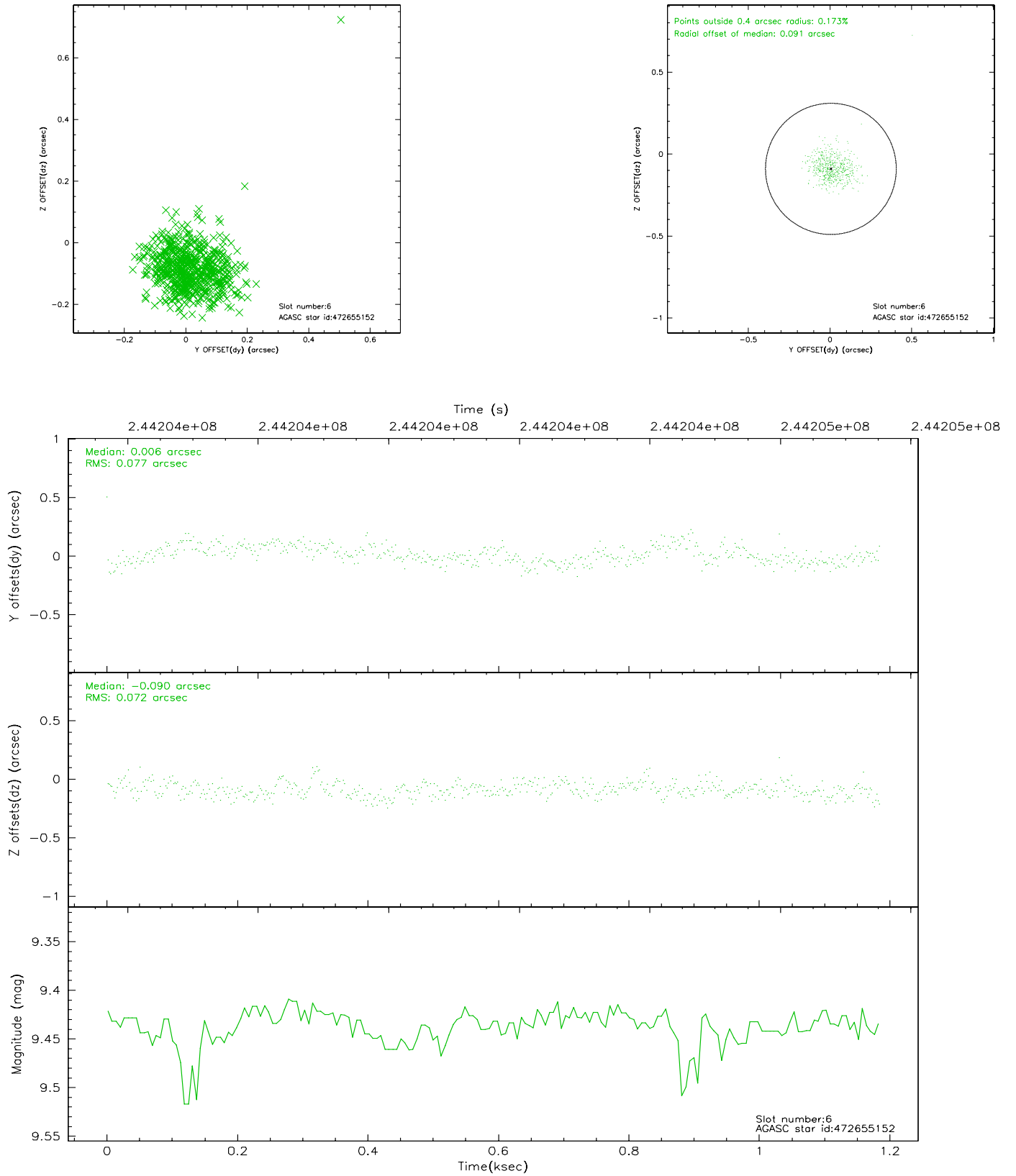
2.4.2 Slot 4



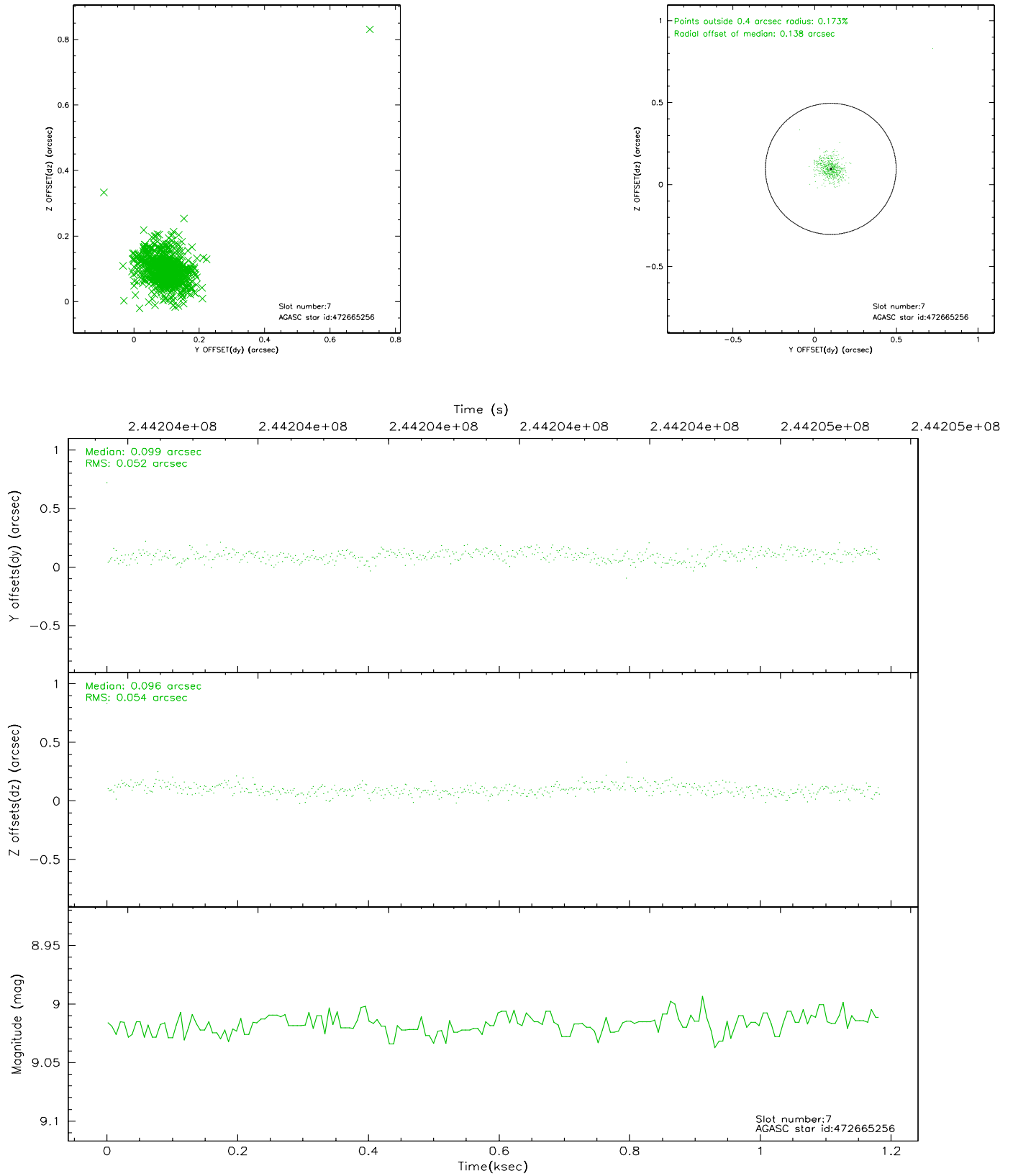
2.4.3 Slot 5



2.4.4 Slot 6

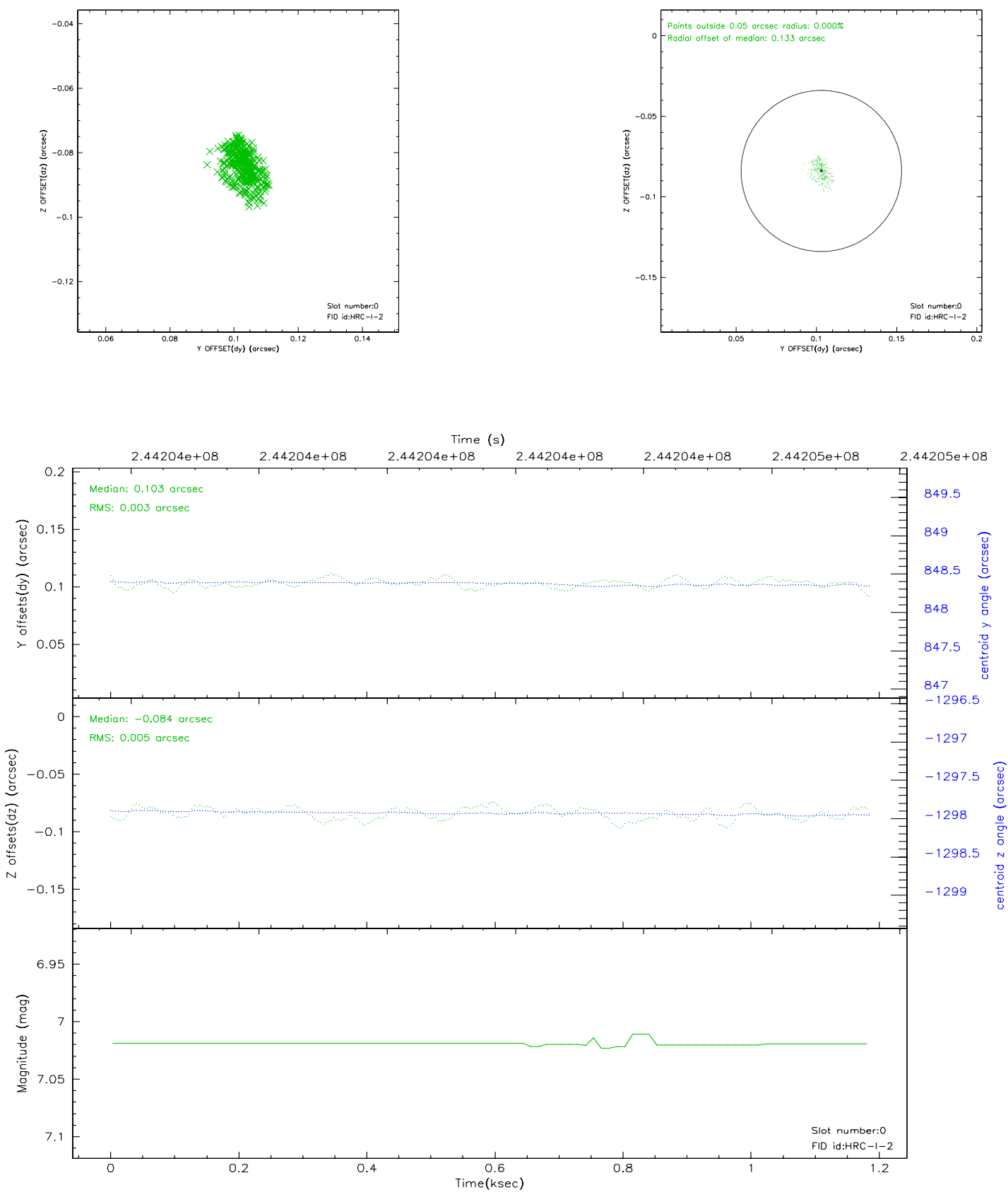


2.4.5 Slot 7

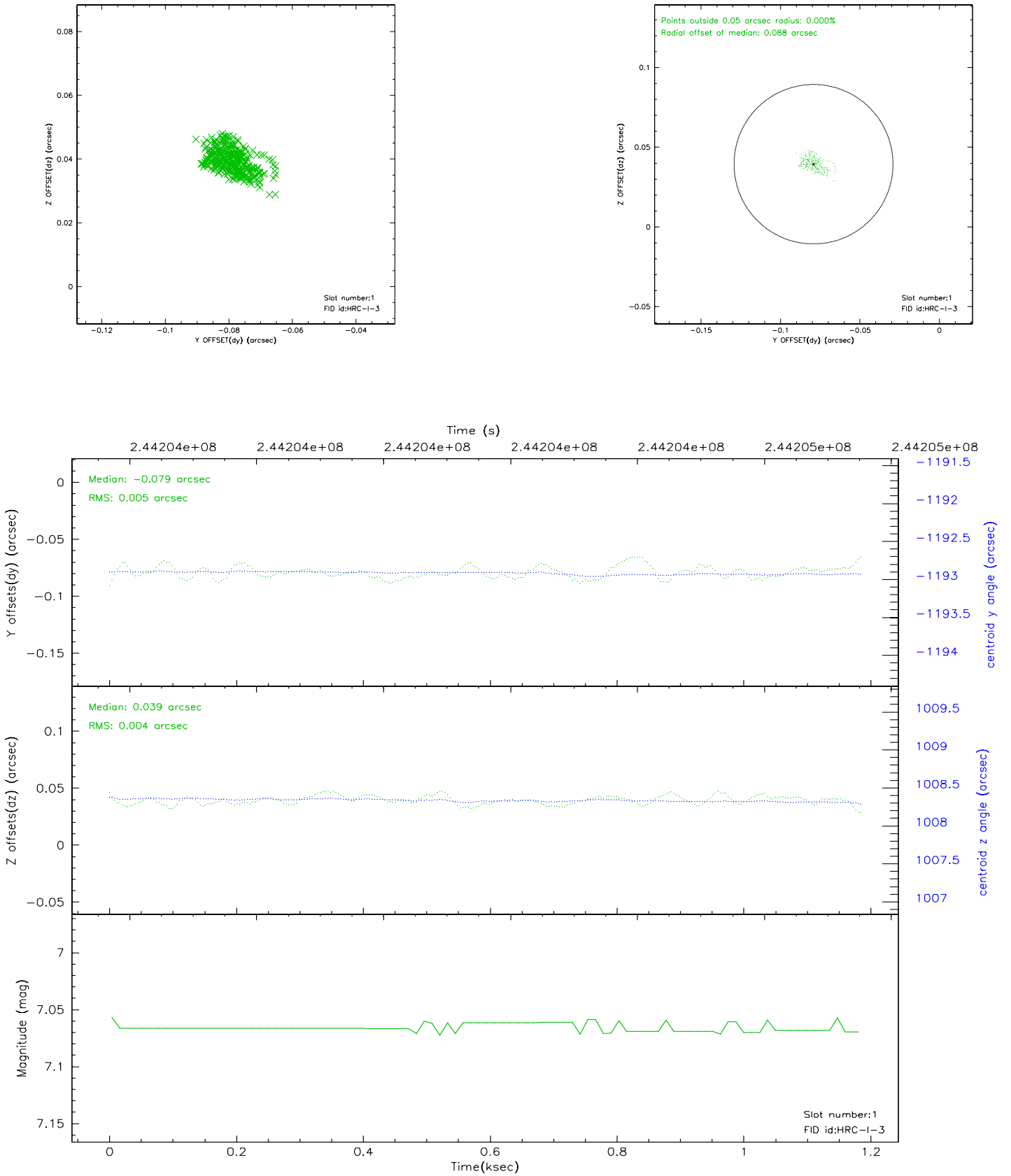


2.5 FID Slots

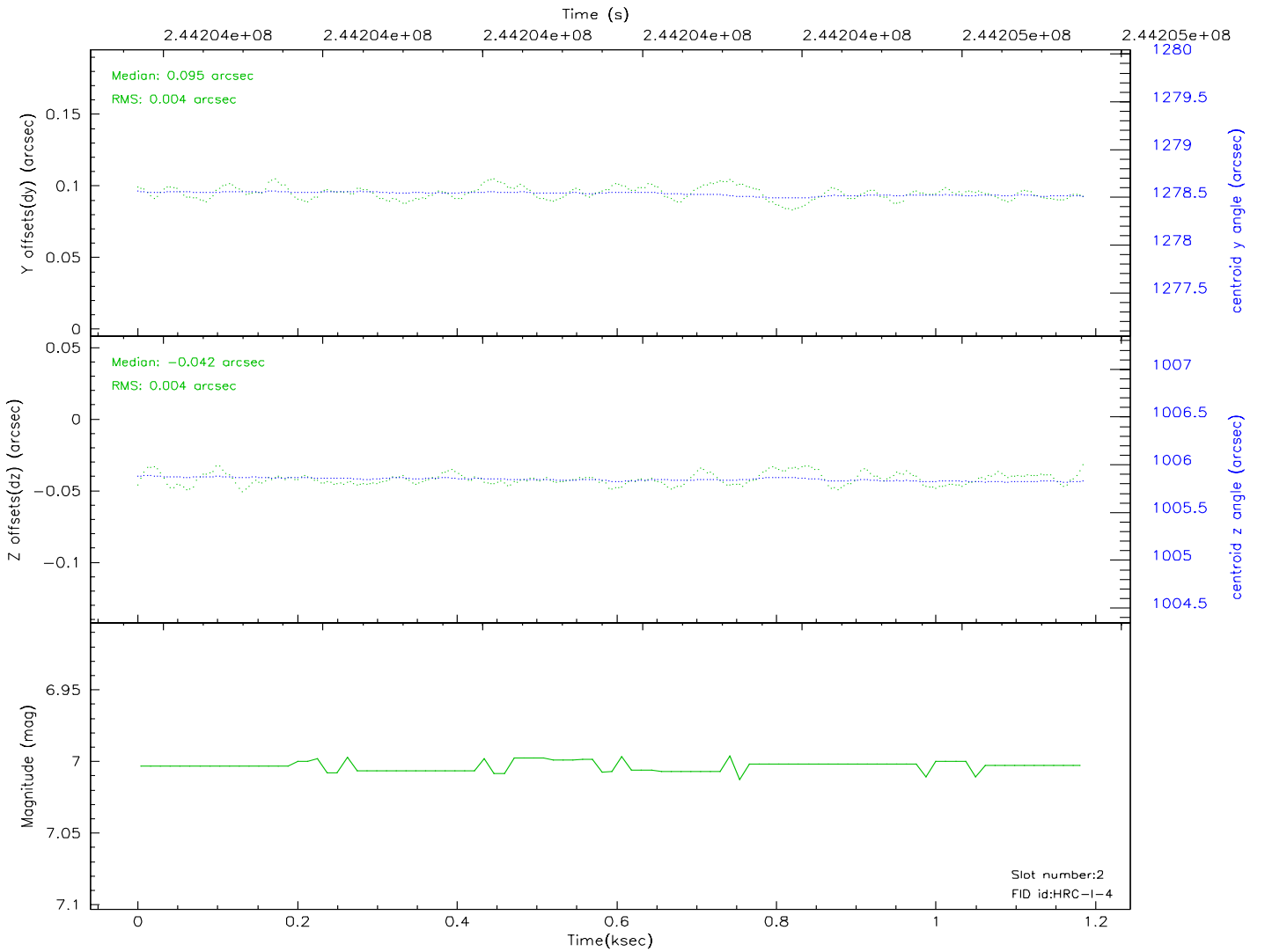
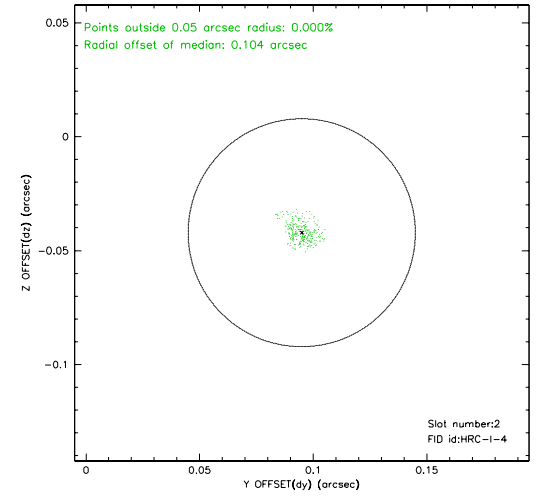
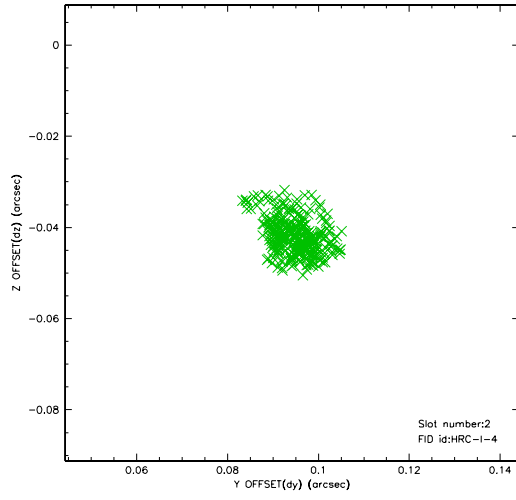
2.5.1 Slot 0



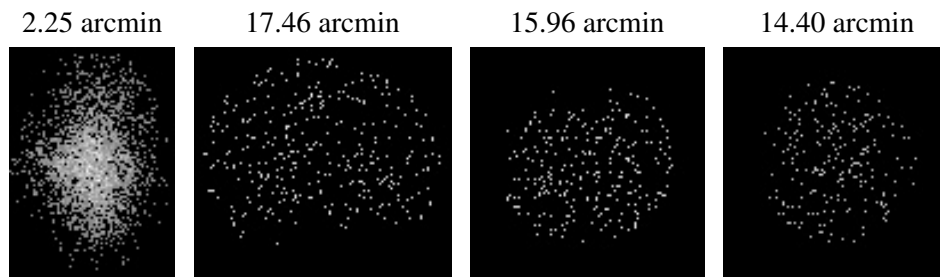
2.5.2 Slot 1



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	1.184131

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.