

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5986 - L2 Version 3
Chandra X-Ray Center

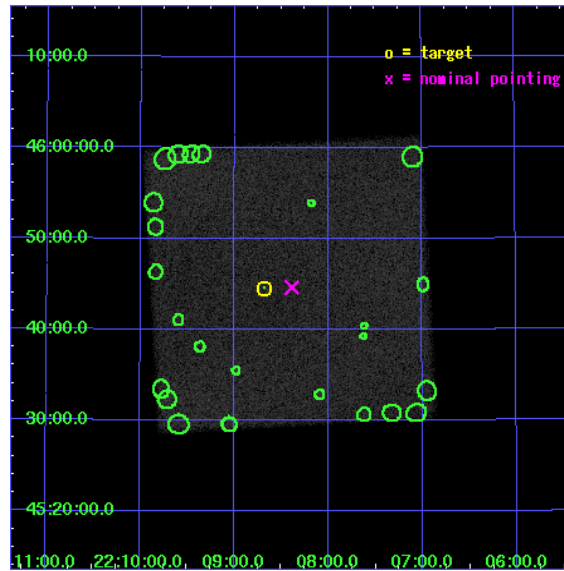
L2 Processing Date : Nov 24 2007

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1 Front

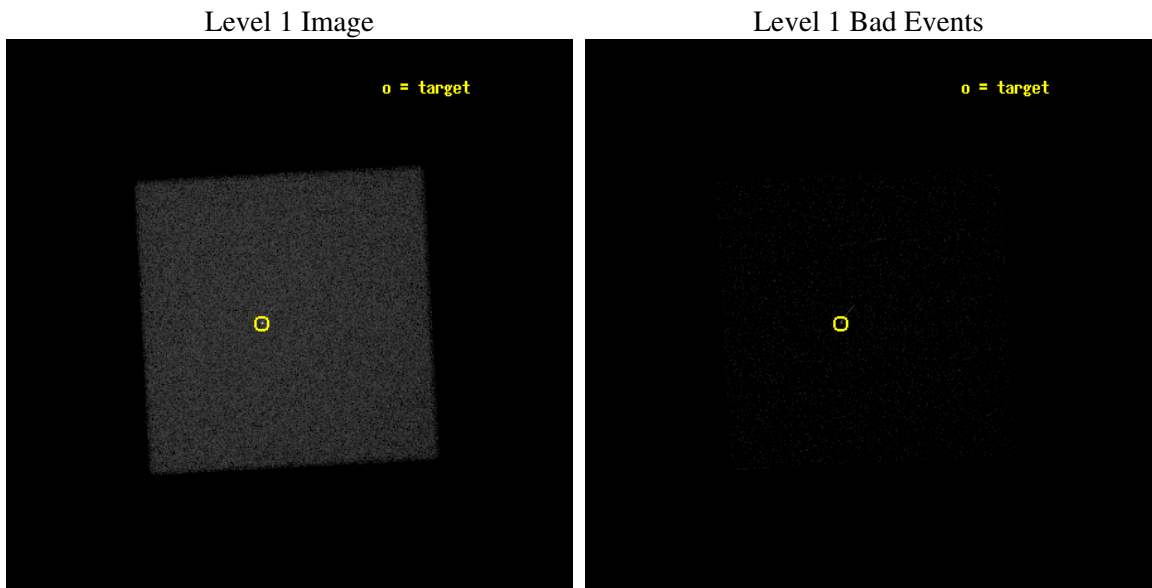
seq_num	290478
obs_id	5986
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.09669131308
dec_nom	45.744101996363
roll_nom	221.90492661192
revision	3
ontime	1188.2313046455
livetime	383.85230606255
l2events	167169



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	2007-11-24T17:04:53
revision	3

sched_exp_time	1000.000000
ontime	1188.2313046455
l1events	278208

2.1.3 Events

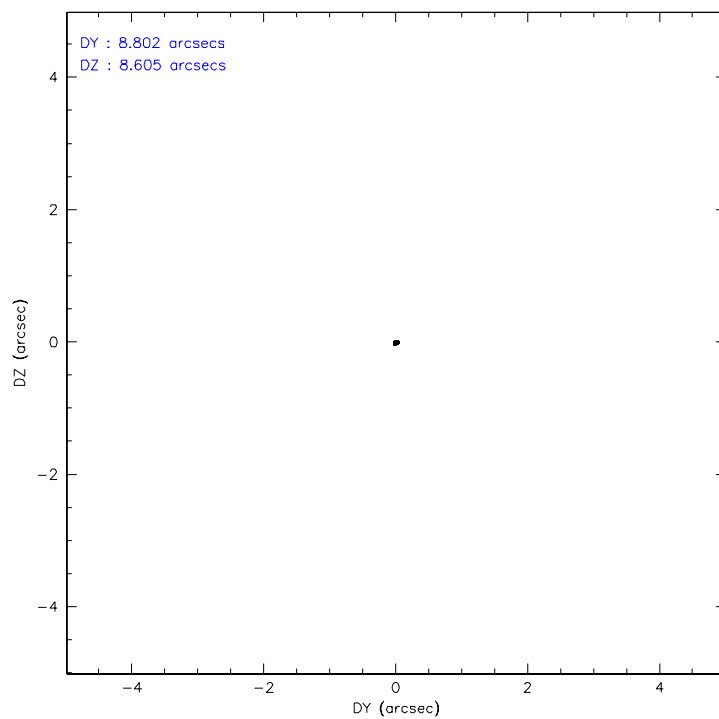
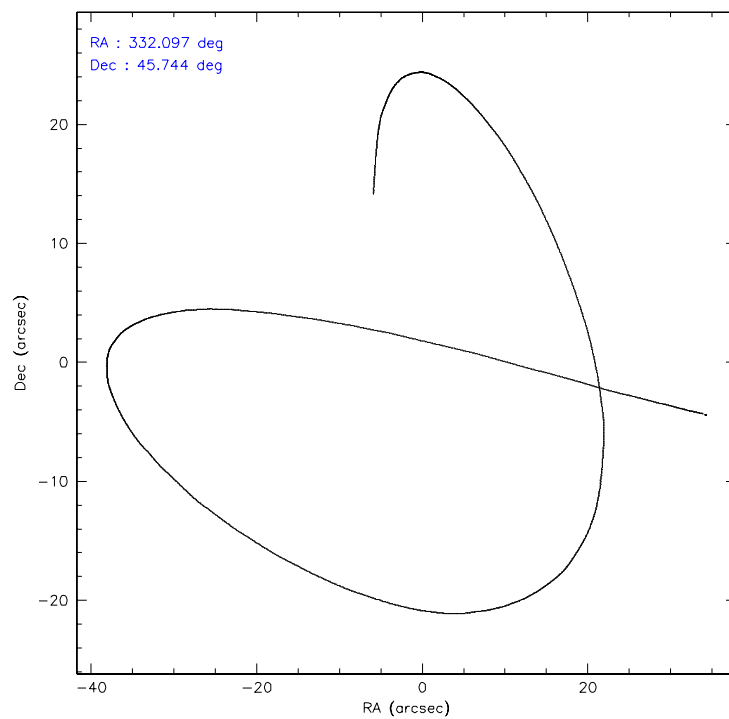
Level 1 Events

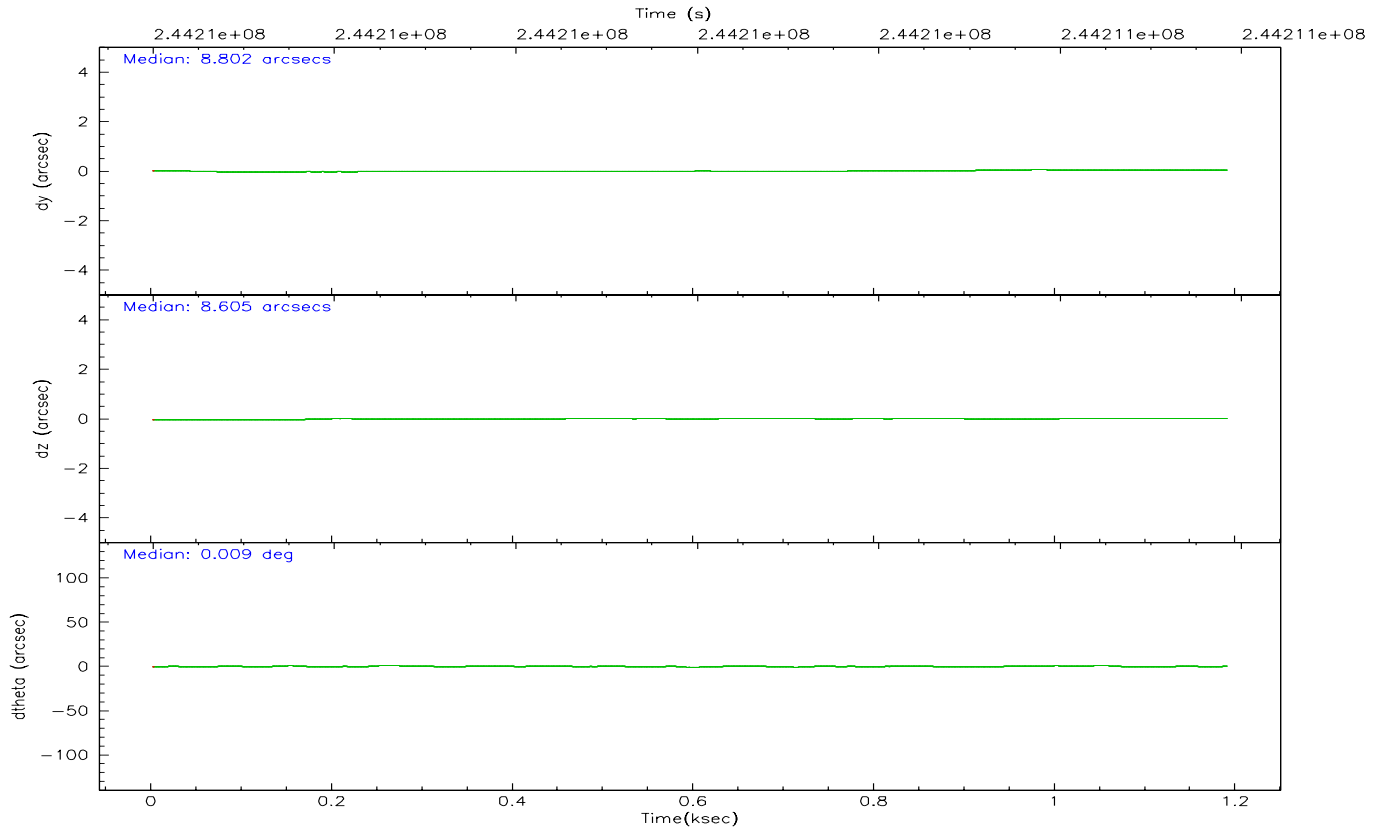
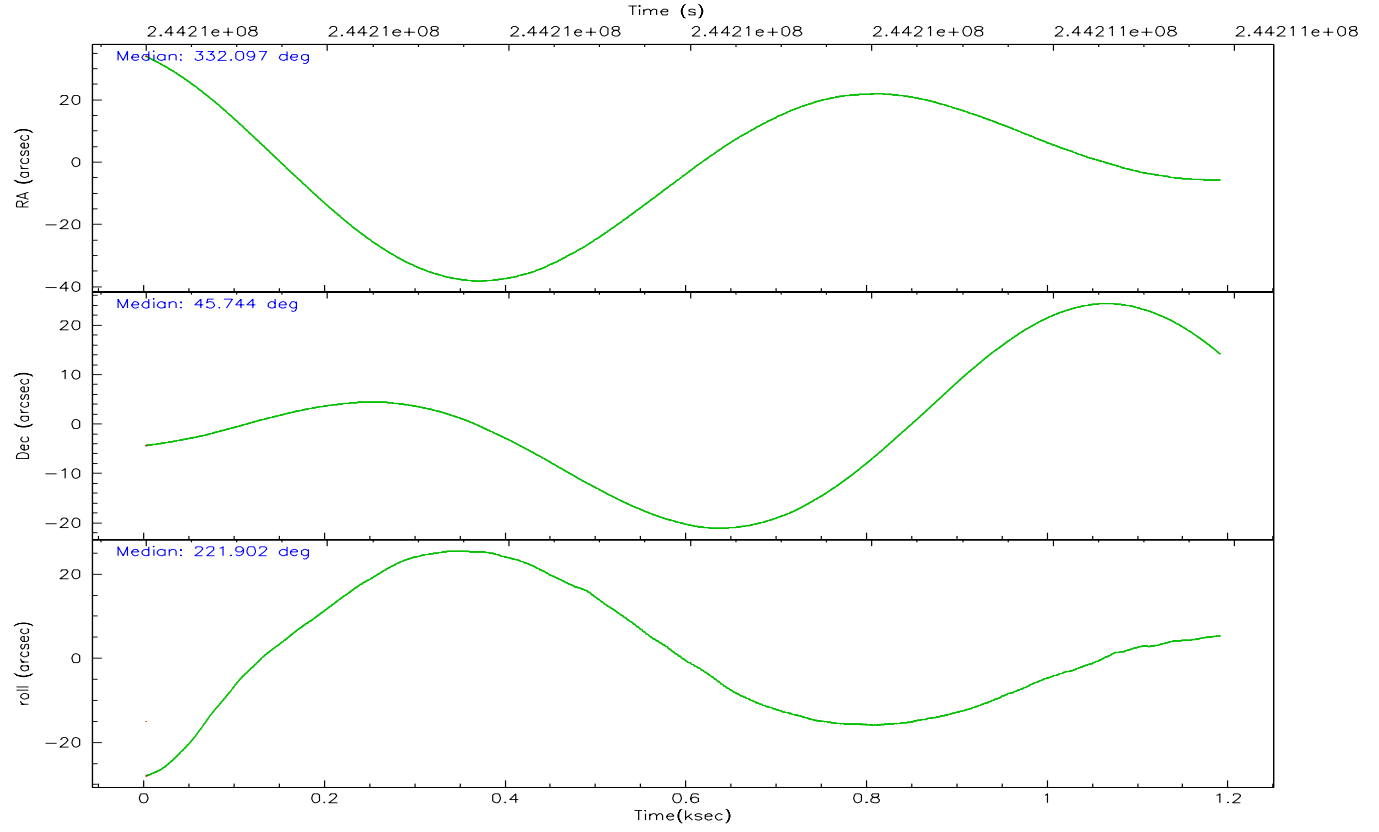
	segment 0
level 1 events	278208
rejected events	59112
rejected %	21%

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	332.108116	332.0966913130765			
Pointing Dec	45.769379	45.74410199636321			
Pointing Roll	221.992266	221.9049266119201			
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	244209792.184000	244209416.09757			
Observation start date	2005-09-27T12:02:08	2005-09-27T11:56:56			
Observation end time	244210792.184000	244210926.43514			
Observation end date	2005-09-27T12:18:48	2005-09-27T12:22:06			

2.3 Aspect



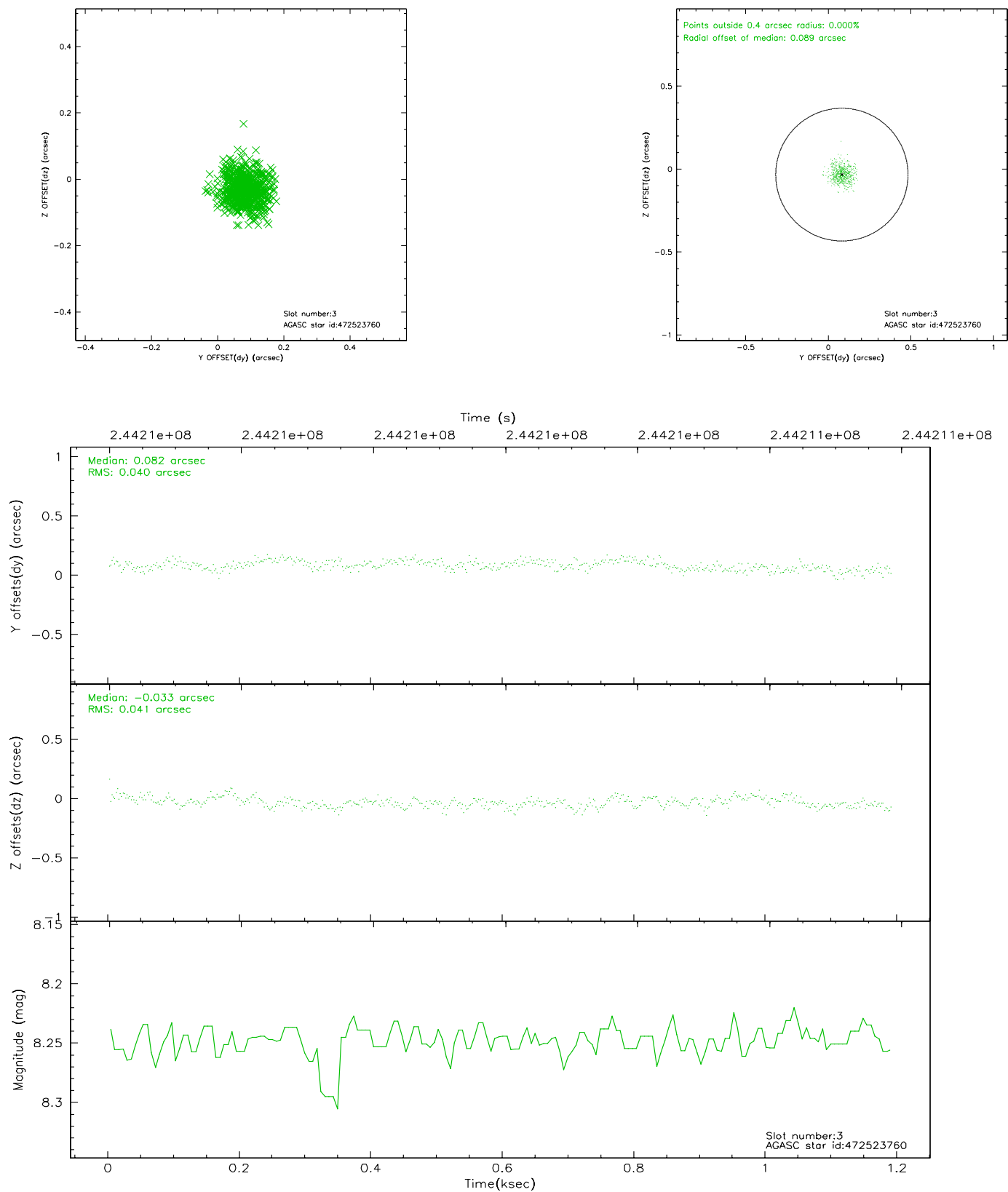


Slot Statistics

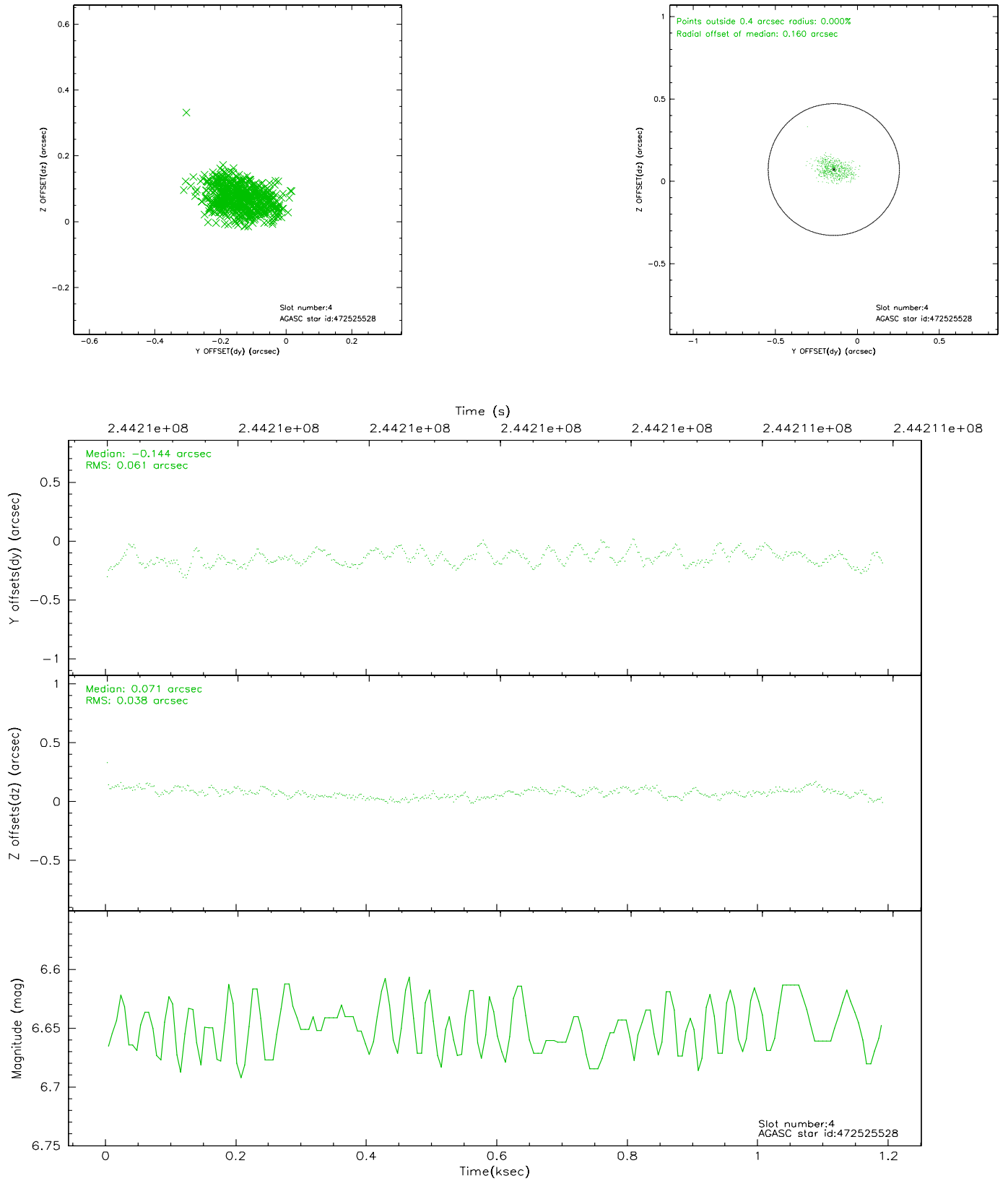
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	291	-0.016	0.060	0.006	0.011	0.000000	0.000000	-764.47	-1296.43
1	FID	HRC-I-2	7.02	291	0.163	-0.126	0.005	0.009	0.000000	0.000000	845.72	-1302.65
2	FID	HRC-I-3	7.07	291	-0.028	-0.023	0.006	0.010	0.000000	0.000000	-1190.04	1003.58
3	GUIDE	472523760	8.25	581	0.082	-0.033	0.062	0.097	331.645363	45.403260	1750.45	196.95
4	GUIDE	472525528	6.65	581	-0.144	0.071	0.075	0.124	331.551102	45.248694	2304.36	447.90
5	GUIDE	472533912	9.15	581	0.002	0.094	0.120	0.202	331.791136	46.368695	-853.80	-2128.35
6	GUIDE	472651904	6.15	581	-0.023	-0.185	0.073	0.112	332.170077	45.742257	-50.45	174.76
7	GUIDE	472655152	9.43	580	0.074	0.058	0.113	0.190	332.504239	45.862991	-963.79	414.80

2.4 Star Slots

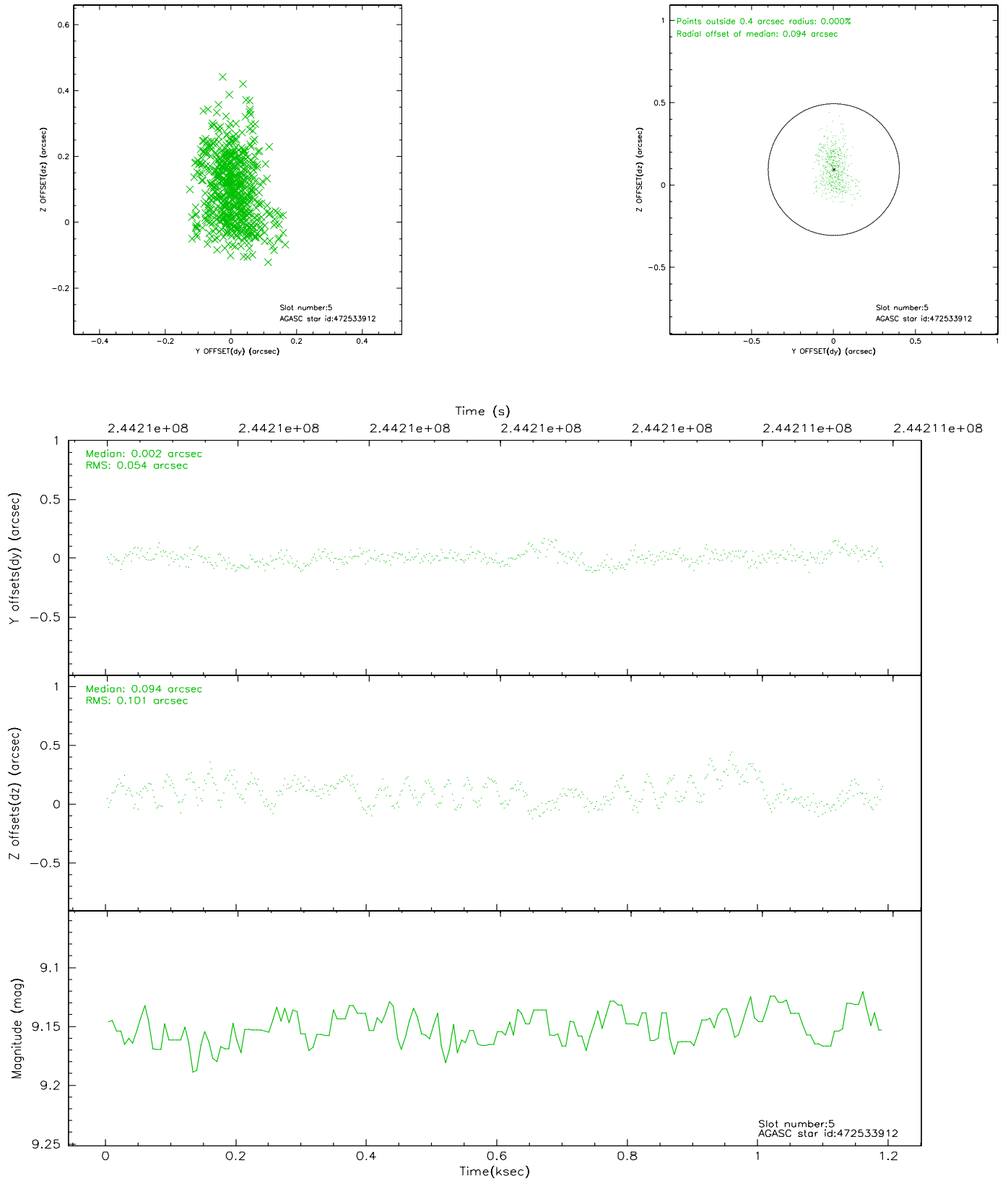
2.4.1 Slot 3



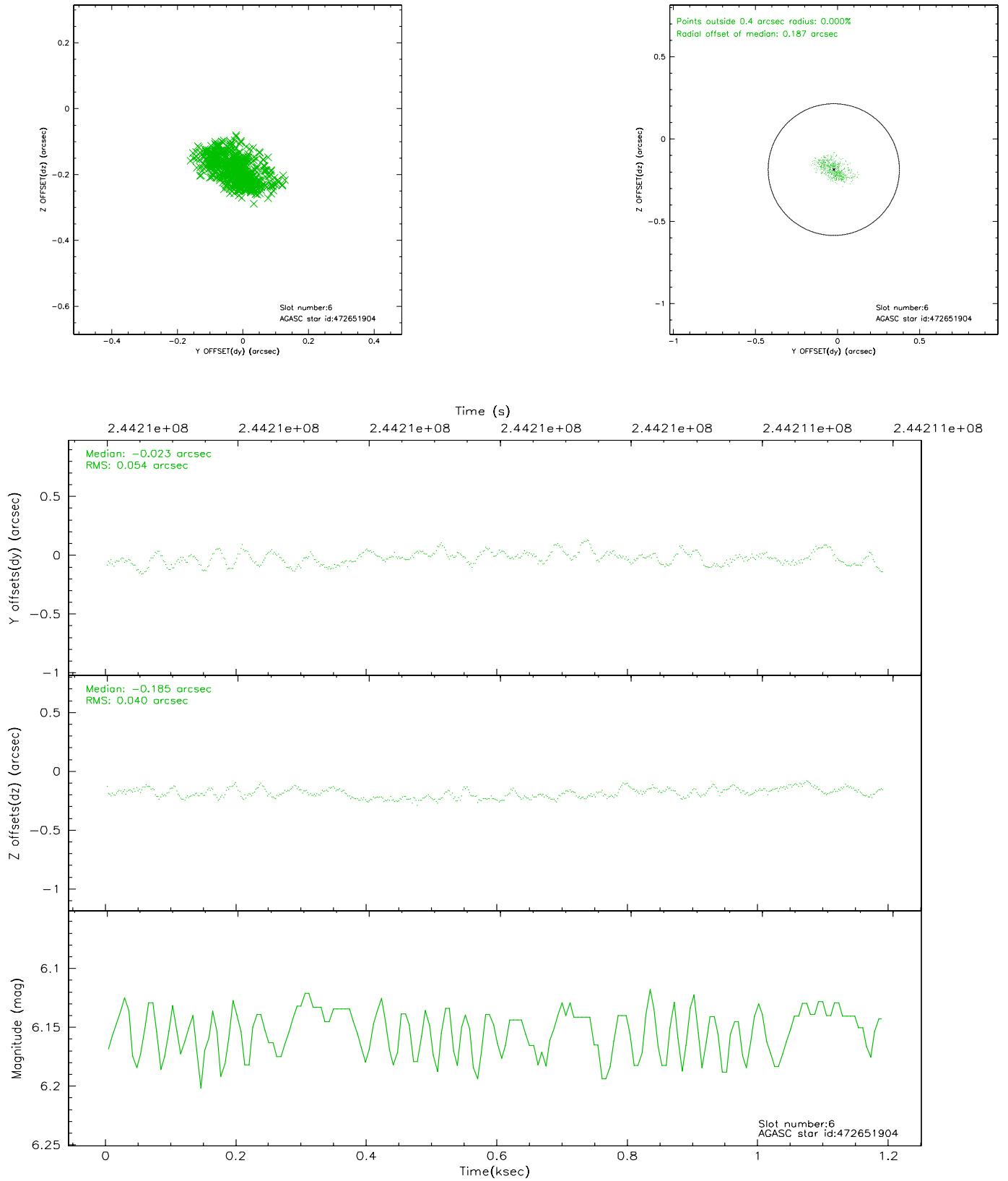
2.4.2 Slot 4



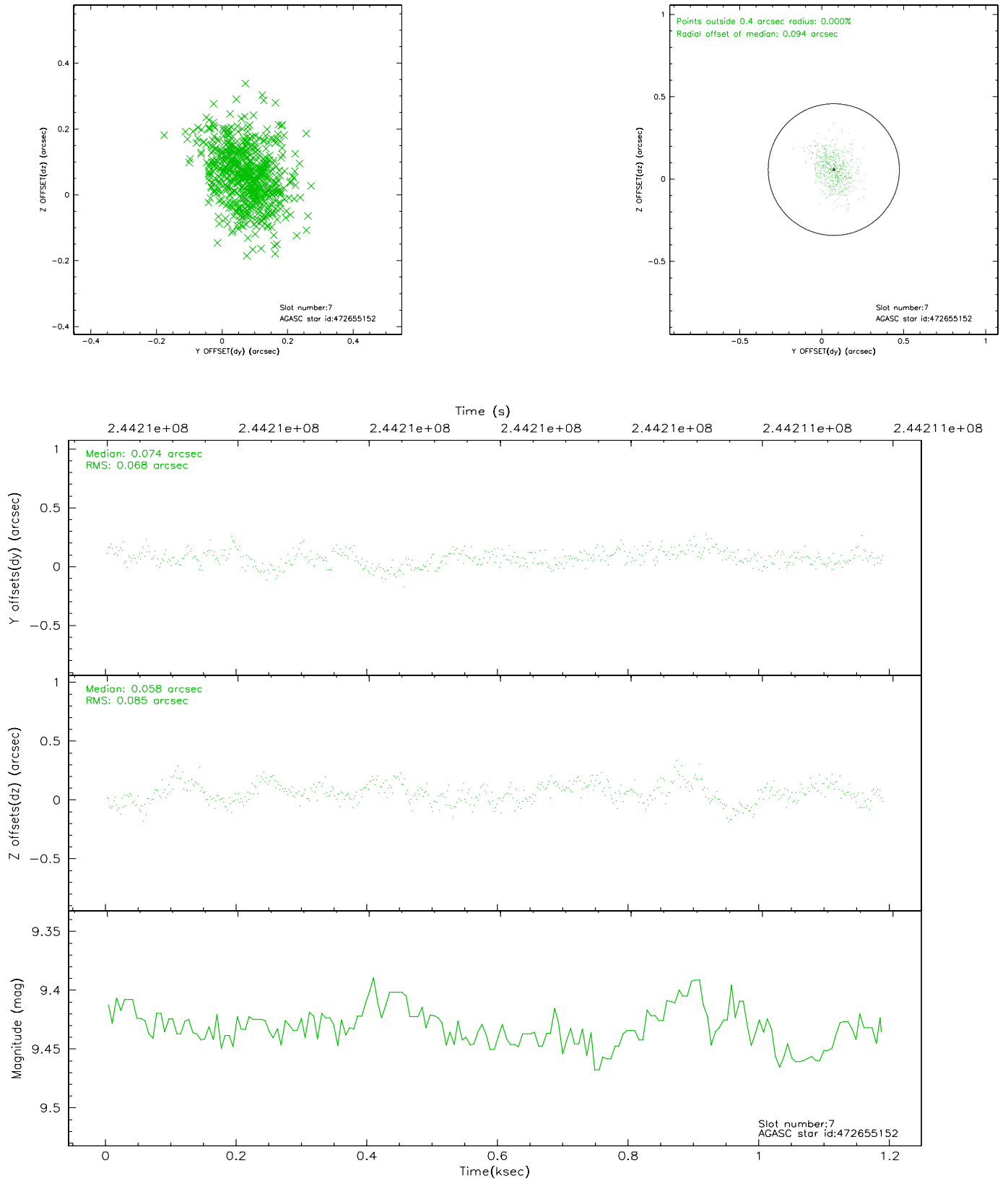
2.4.3 Slot 5



2.4.4 Slot 6

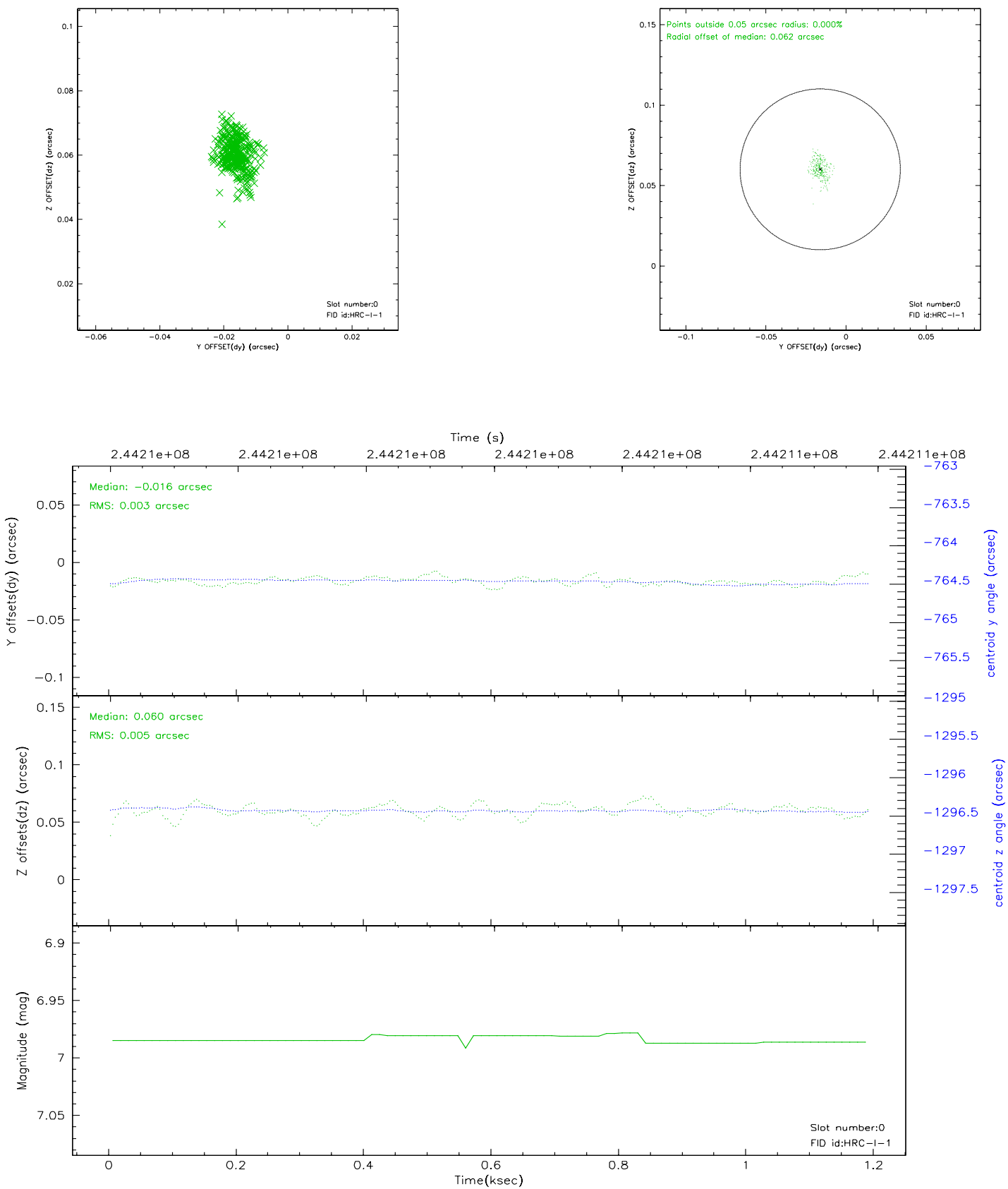


2.4.5 Slot 7

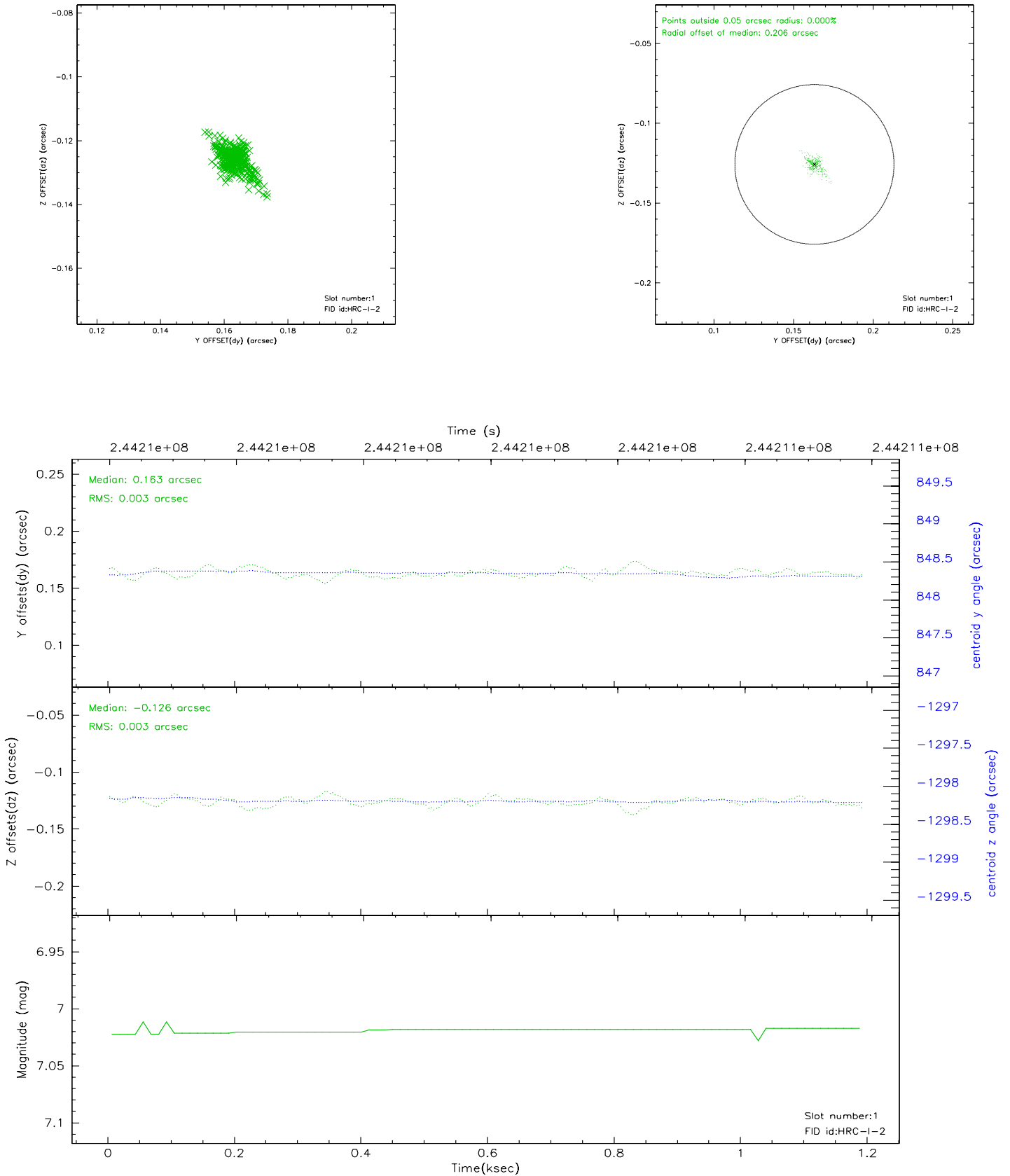


2.5 FID Slots

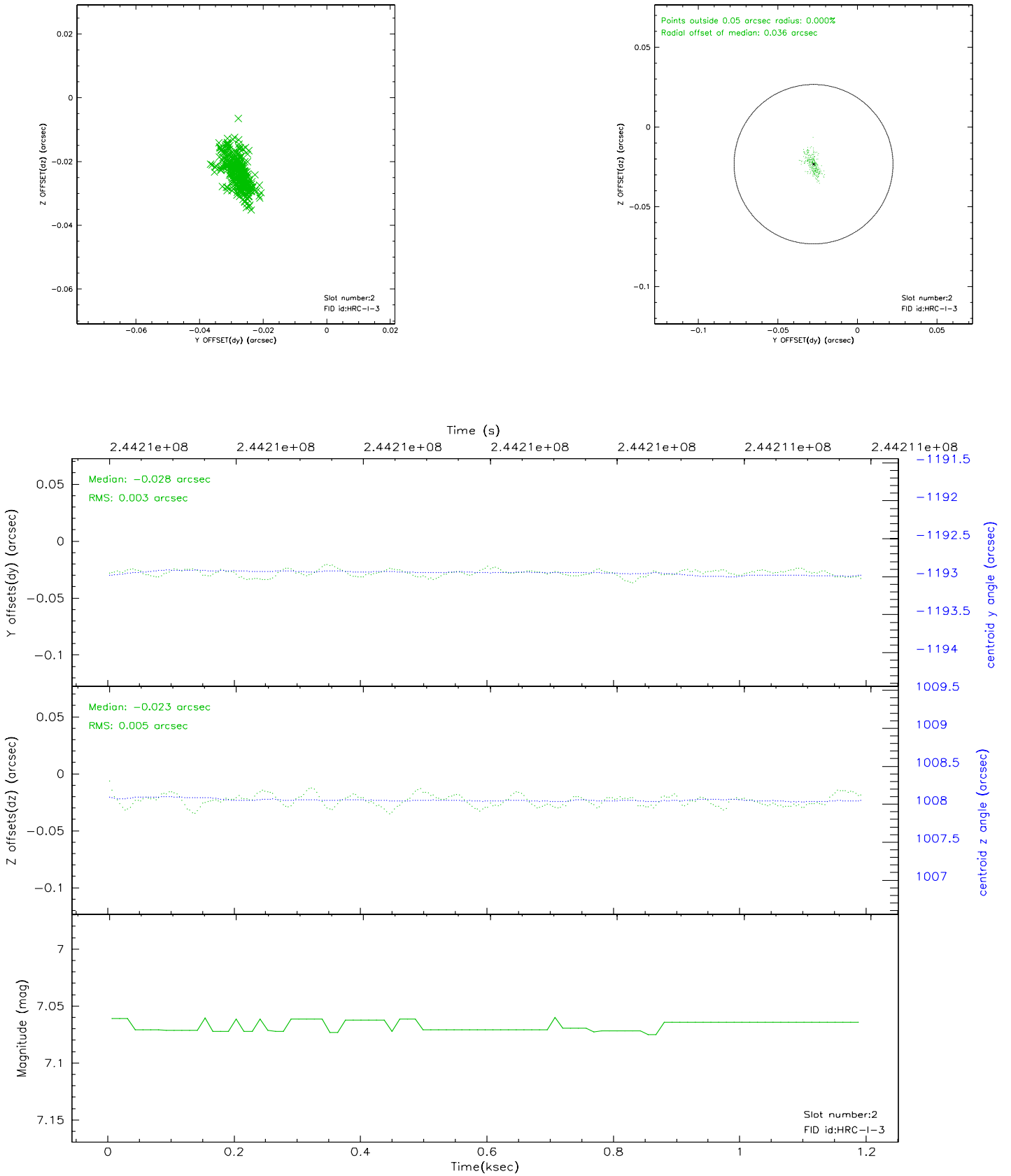
2.5.1 Slot 0



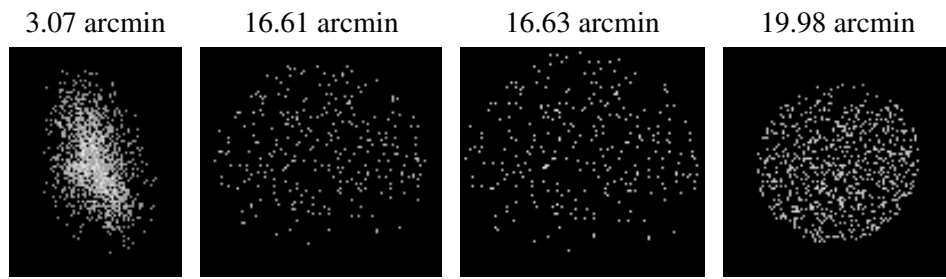
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.188231

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.