

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5987 - L2 Version 3
Chandra X-Ray Center

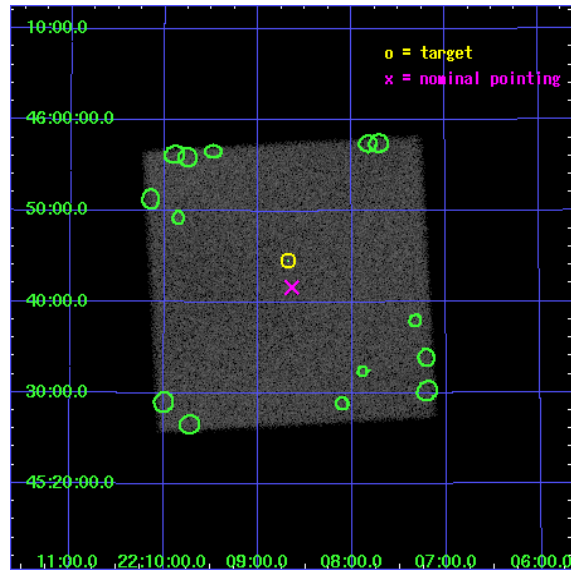
L2 Processing Date : Nov 24 2007

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1 Front

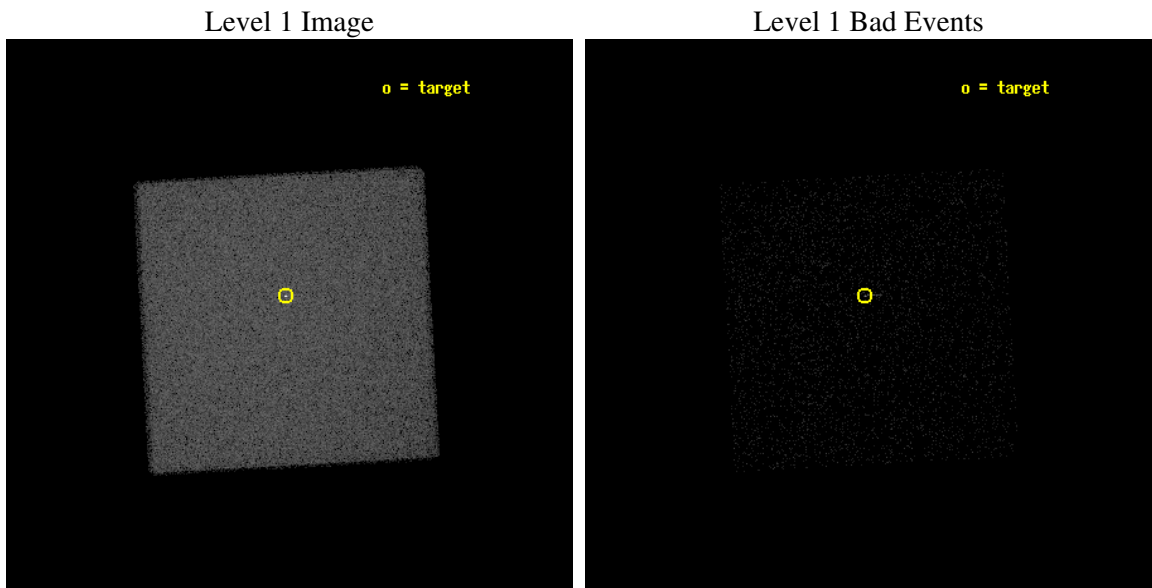
seq_num	290479
obs_id	5987
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.15994444978
dec_nom	45.693909801478
roll_nom	221.88136686583
revision	3
ontime	1177.9813041389
livetime	235.4155531312
l2events	168812



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	2007-11-24T17:04:25
revision	3

sched_exp_time	1000.000000
ontime	1177.9813041389
l1events	278208

2.1.3 Events

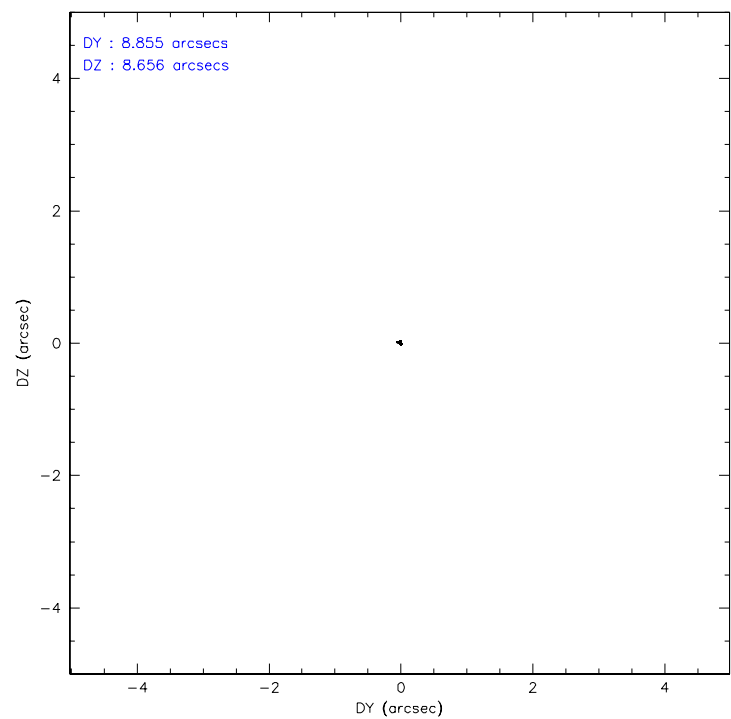
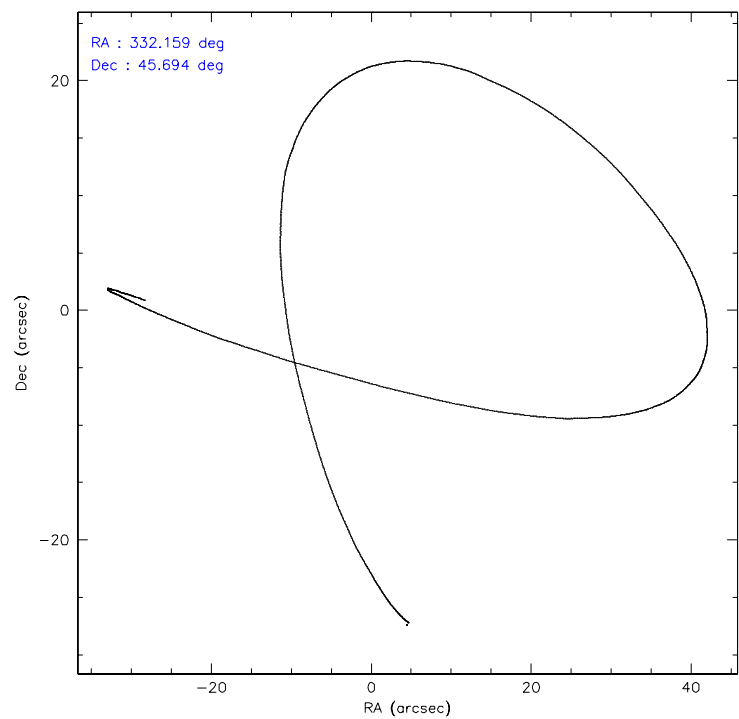
Level 1 Events

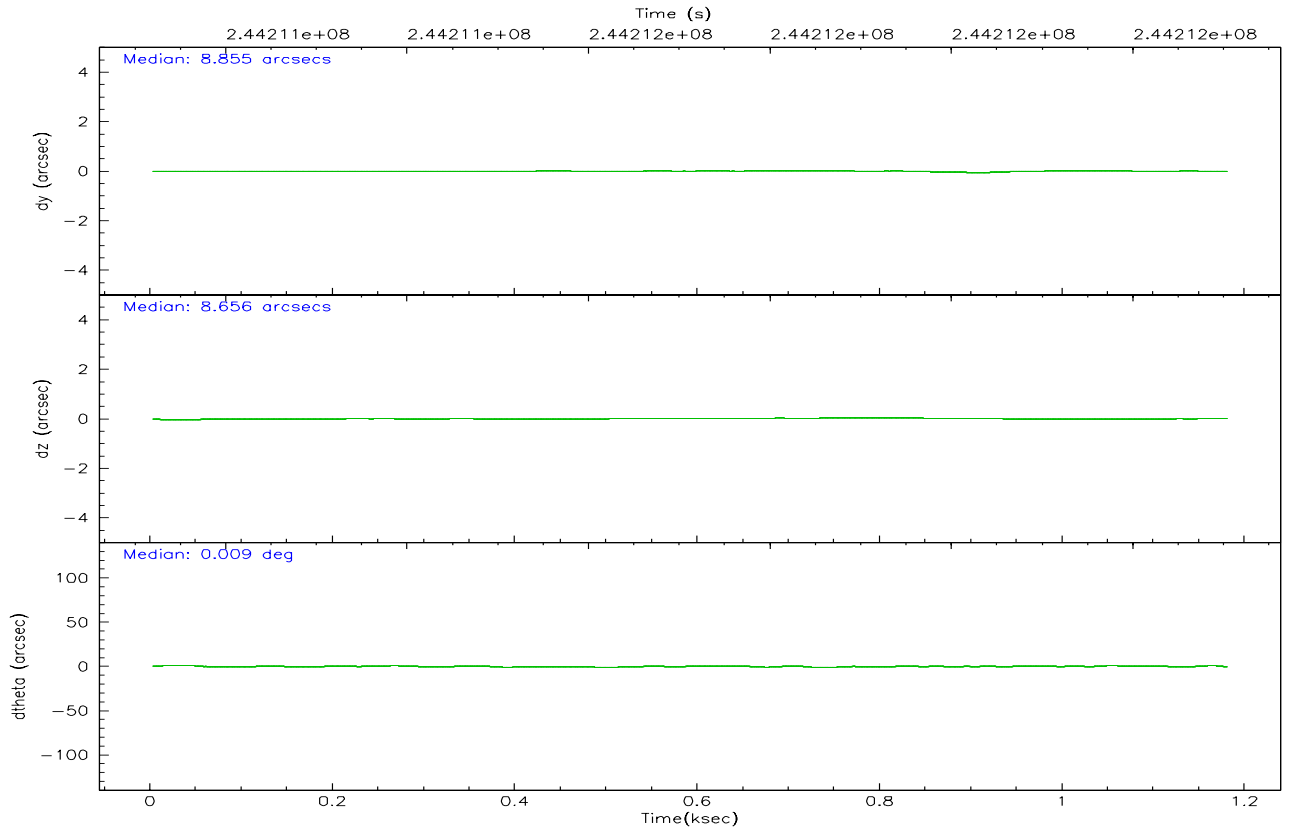
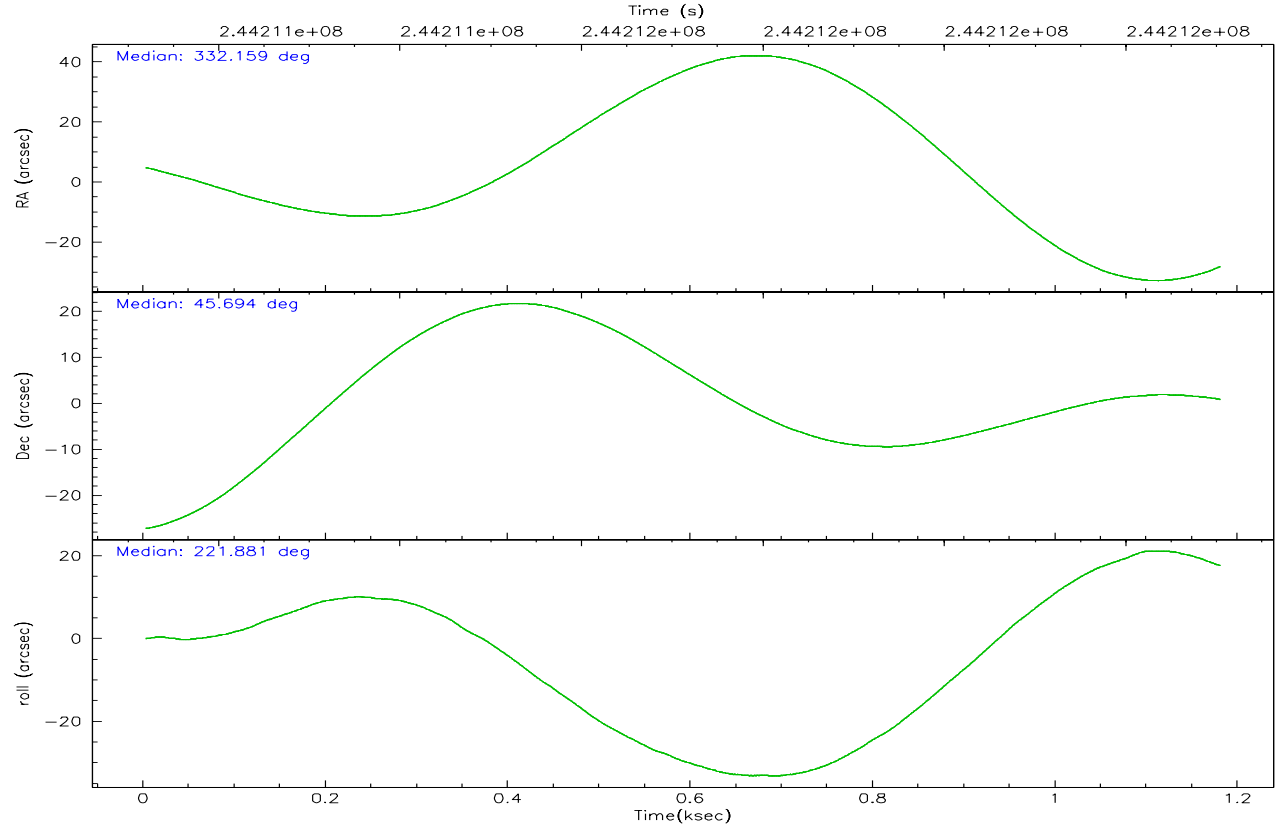
	segment 0
level 1 events	278208
rejected events	60906
rejected %	21%

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	332.172015	332.1599444497811			
Pointing Dec	45.719811	45.69390980147836			
Pointing Roll	221.968156	221.8813668658254			
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	244211302.184000	244210926.43514			
Observation start date	2005-09-27T12:27:18	2005-09-27T12:22:06			
Observation end time	244212302.184000	244212436.26021			
Observation end date	2005-09-27T12:43:58	2005-09-27T12:47:16			

2.3 Aspect



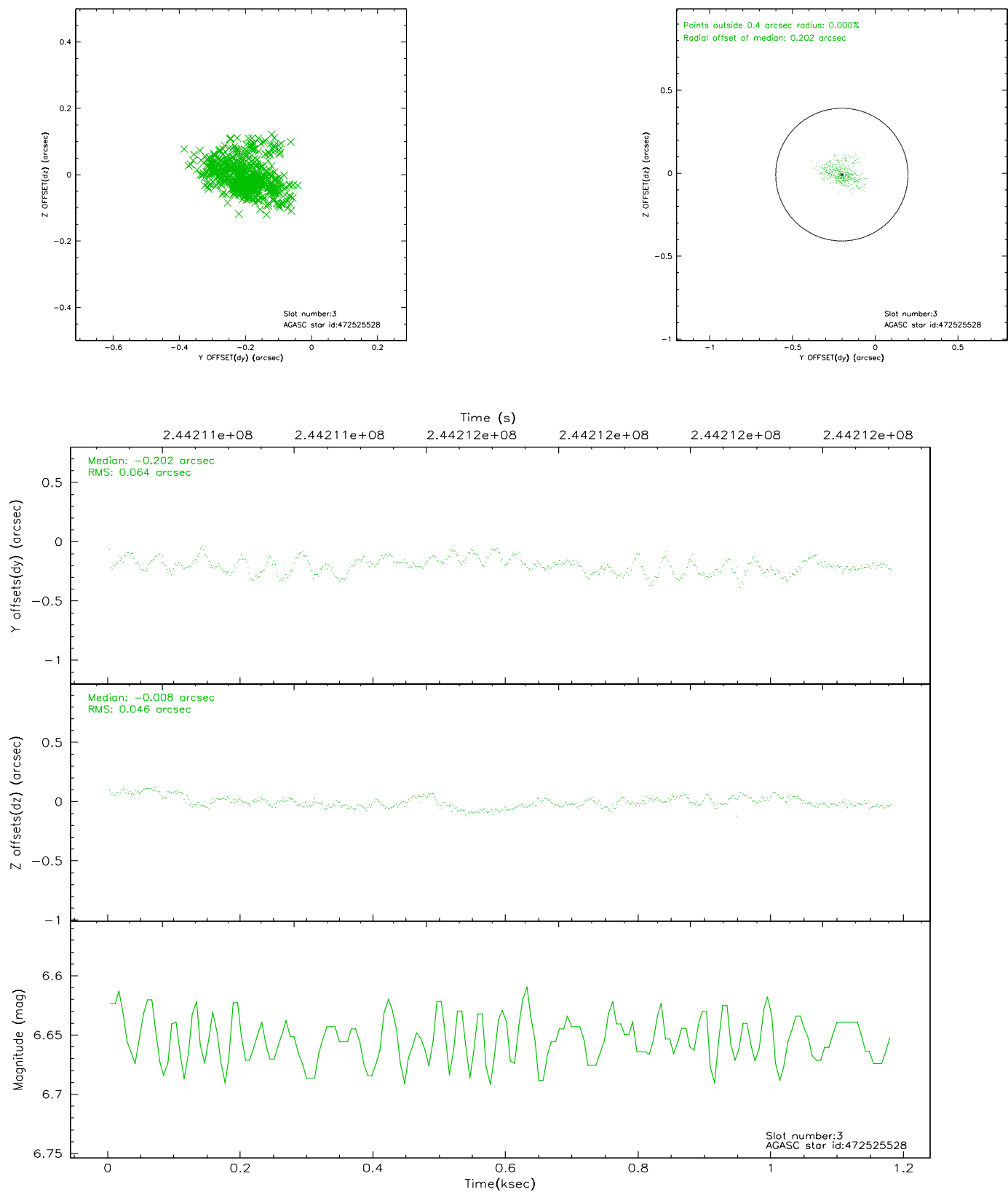


Slot Statistics

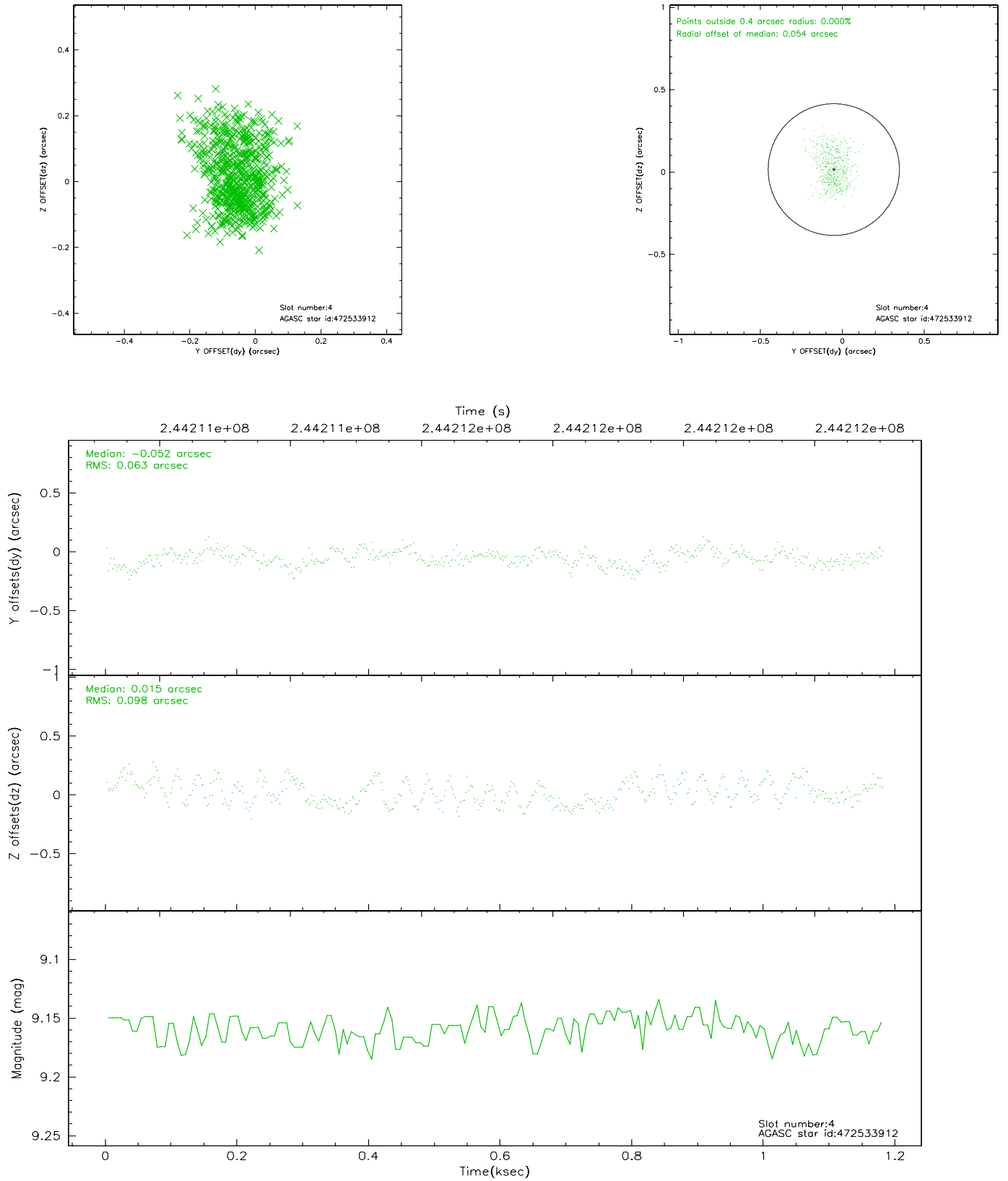
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	-0.018	0.063	0.008	0.013	0.000000	0.000000	-764.51	-1296.49
1	FID	HRC-I-2	7.02	288	0.164	-0.125	0.006	0.013	0.000000	0.000000	845.65	-1302.75
2	FID	HRC-I-3	7.07	288	-0.027	-0.026	0.006	0.013	0.000000	0.000000	-1190.06	1003.47
3	GUIDE	472525528	6.65	576	-0.202	-0.008	0.086	0.136	331.551102	45.248694	2298.74	206.08
4	GUIDE	472533912	9.16	576	-0.052	0.015	0.127	0.195	331.791136	46.368695	-857.39	-2369.01
5	GUIDE	472655152	9.43	576	-0.016	-0.100	0.125	0.359	332.504239	45.862991	-967.82	170.11
6	GUIDE	472661712	10.01	576	0.220	-0.019	0.132	0.254	331.914954	46.059715	-344.15	-1337.86
7	GUIDE	472665256	9.01	575	0.061	0.134	0.082	0.128	332.808125	46.195041	-2328.59	-217.14

2.4 Star Slots

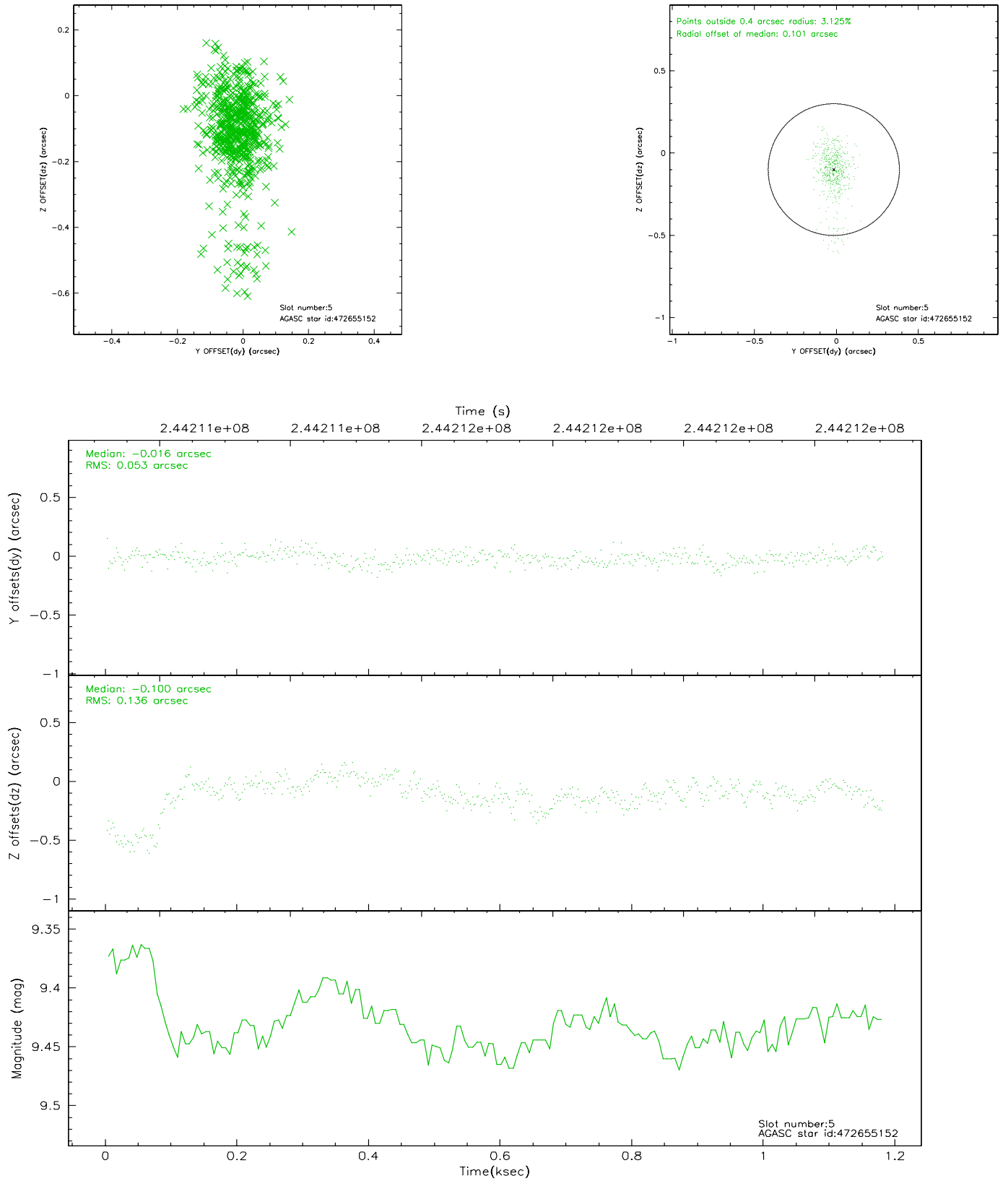
2.4.1 Slot 3



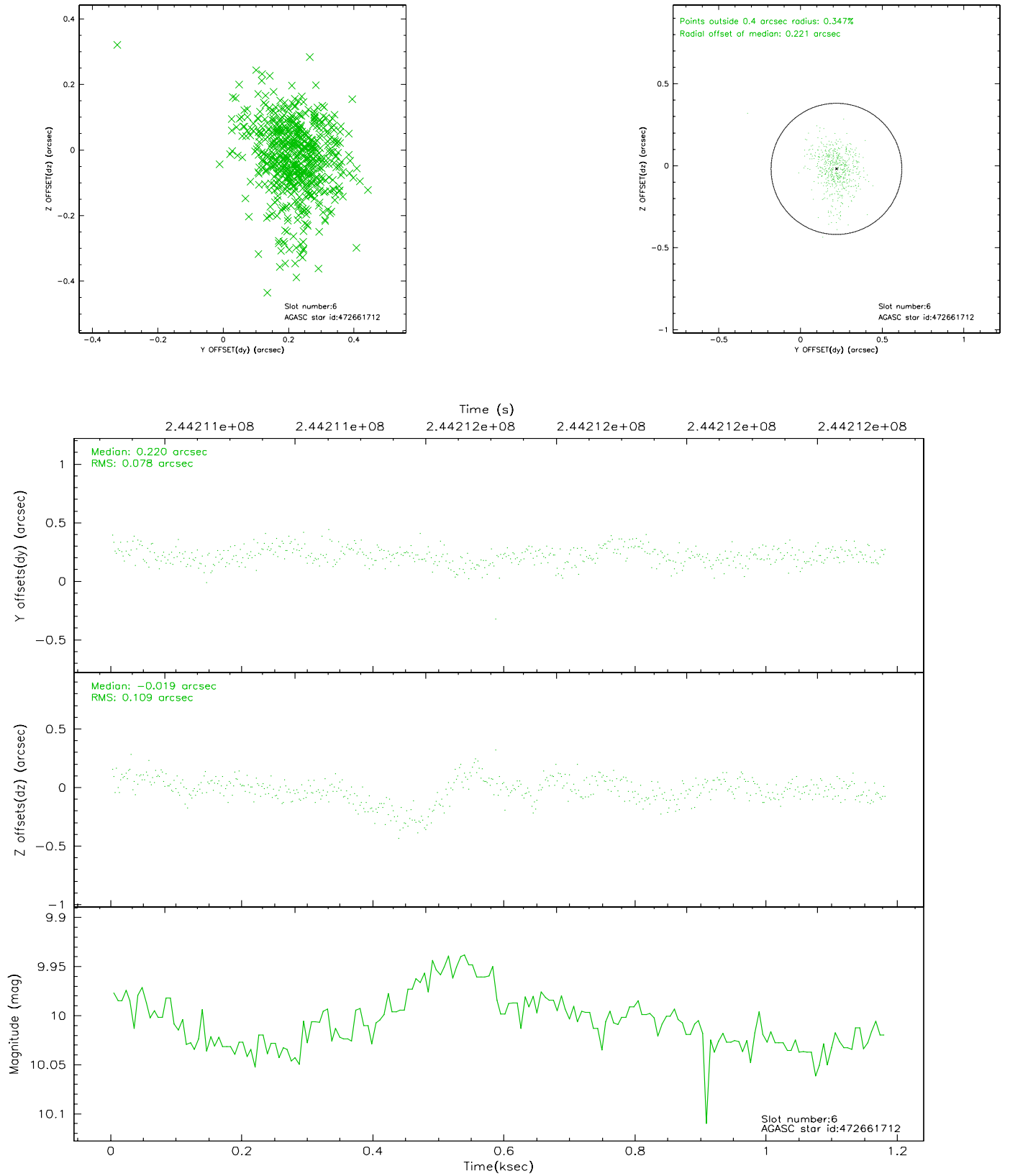
2.4.2 Slot 4



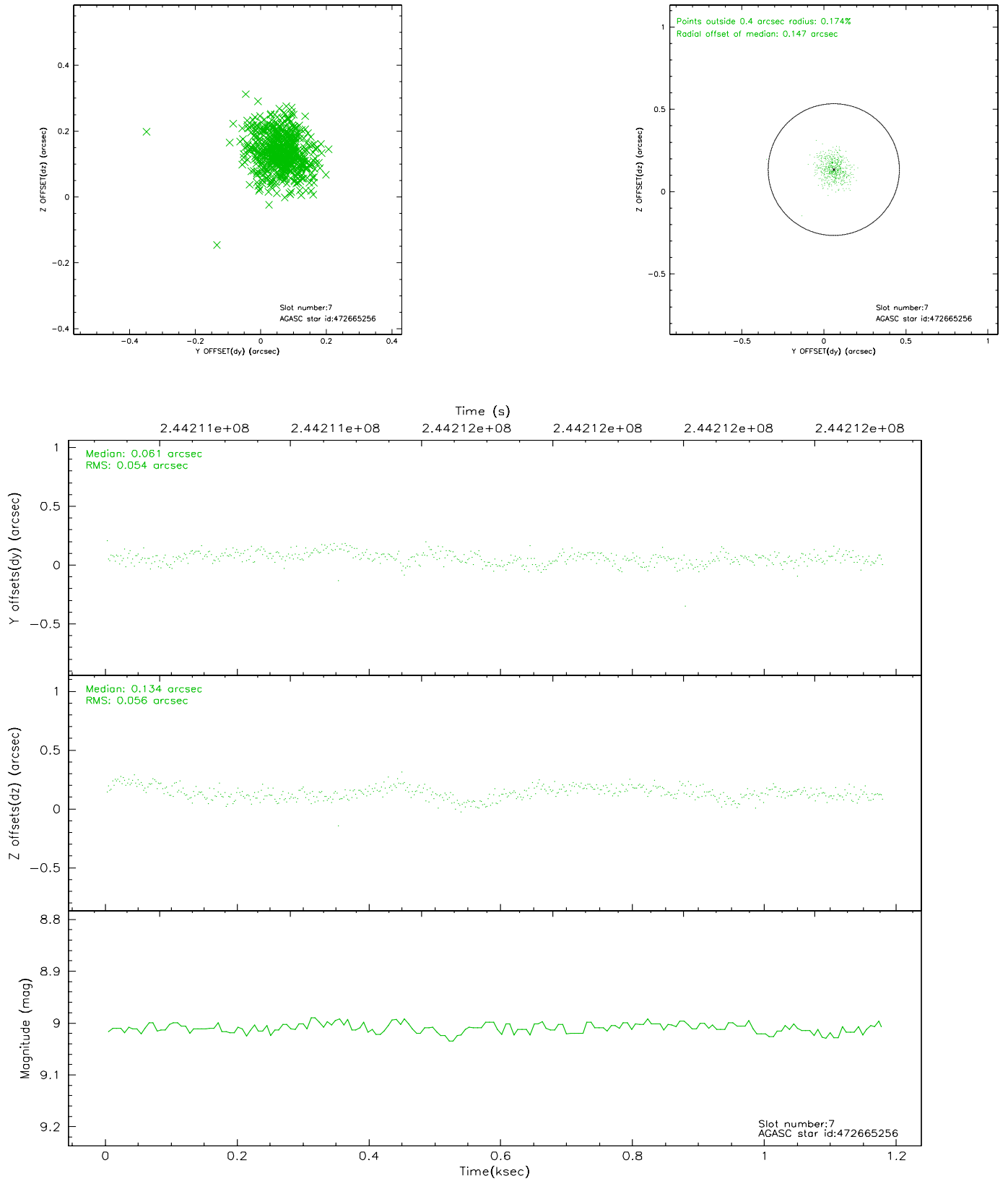
2.4.3 Slot 5



2.4.4 Slot 6

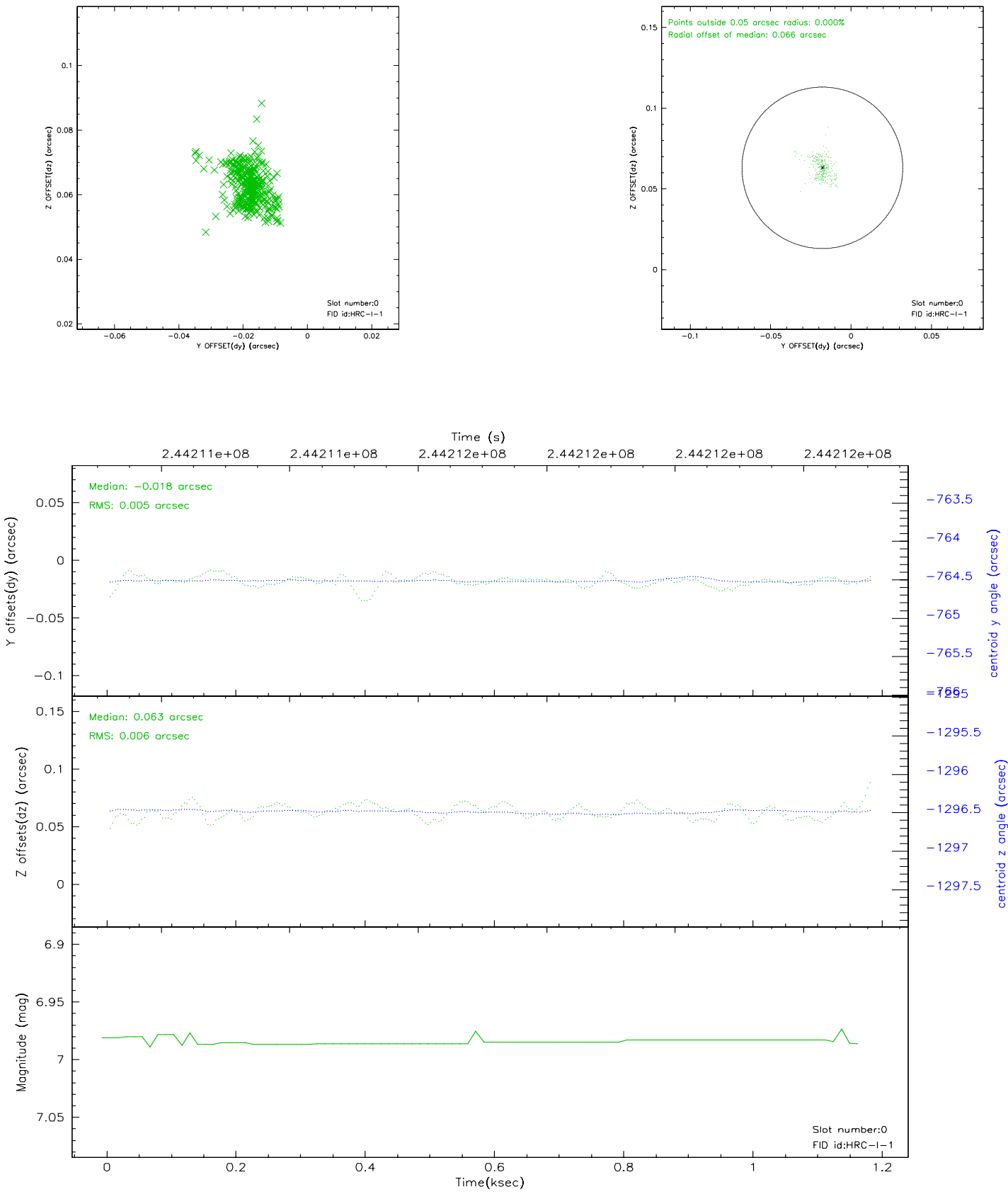


2.4.5 Slot 7

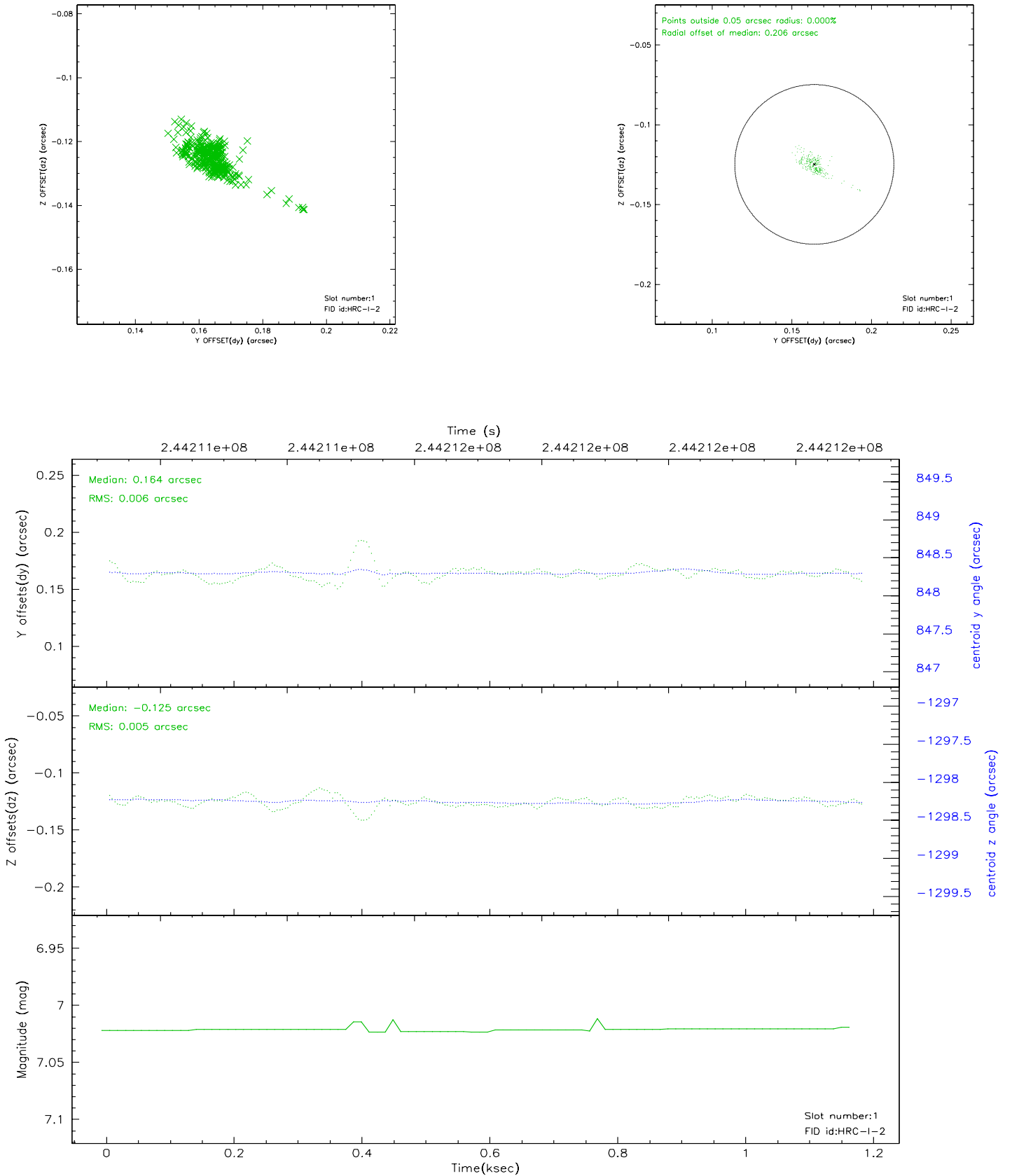


2.5 FID Slots

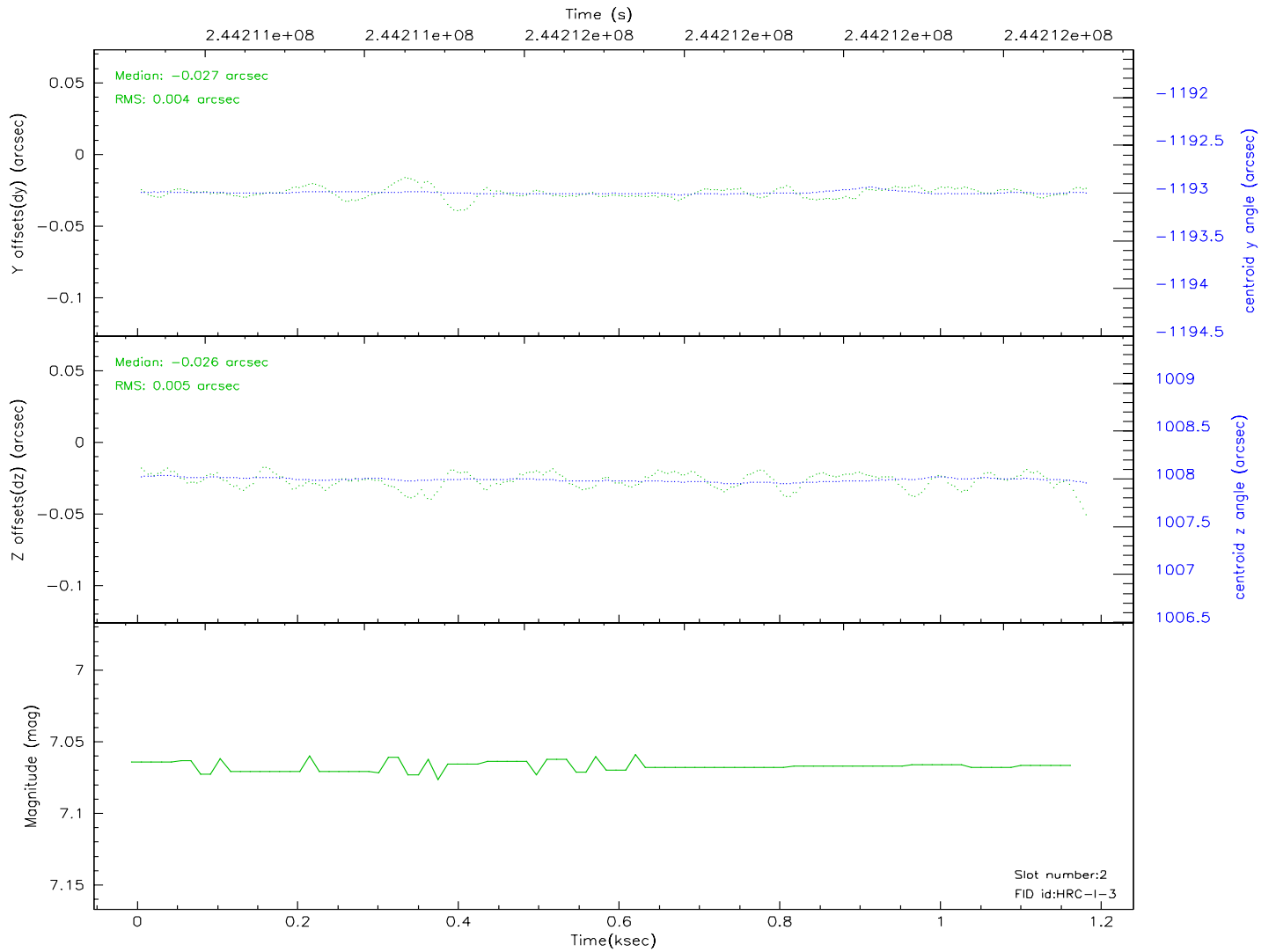
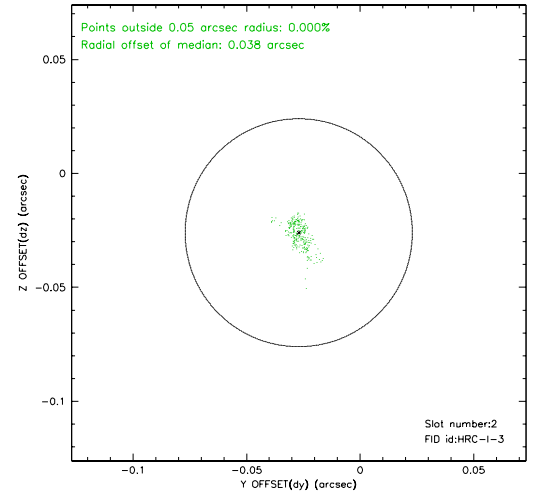
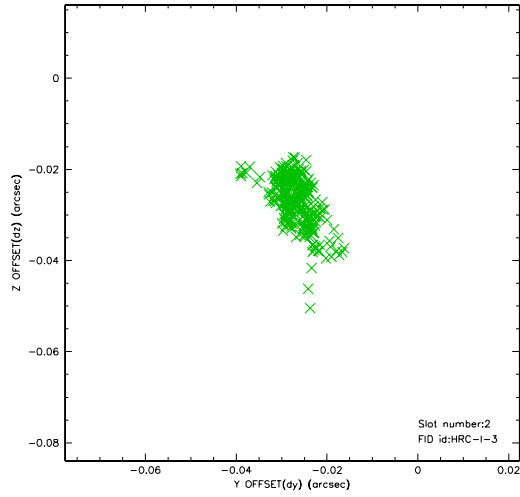
2.5.1 Slot 0



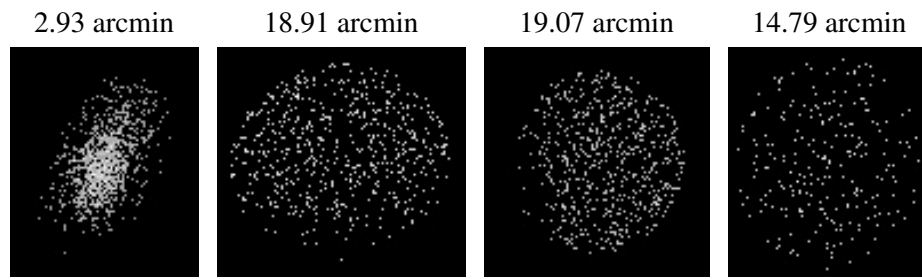
2.5.2 Slot 1



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	1.177725

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.