

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5985 - L2 Version 3
Chandra X-Ray Center

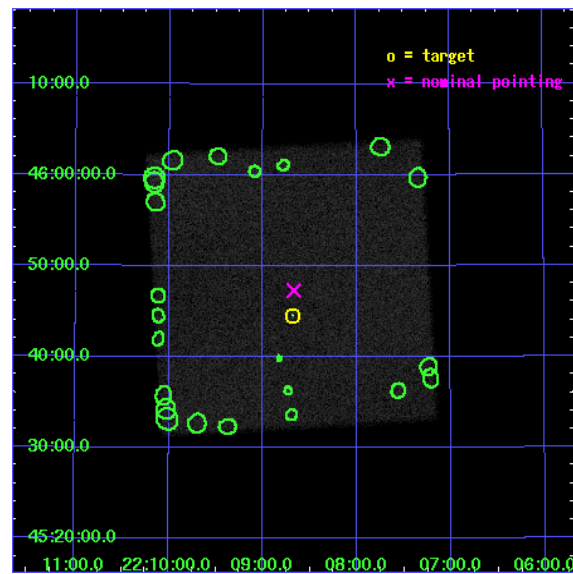
L2 Processing Date : Nov 24 2007

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1 Front

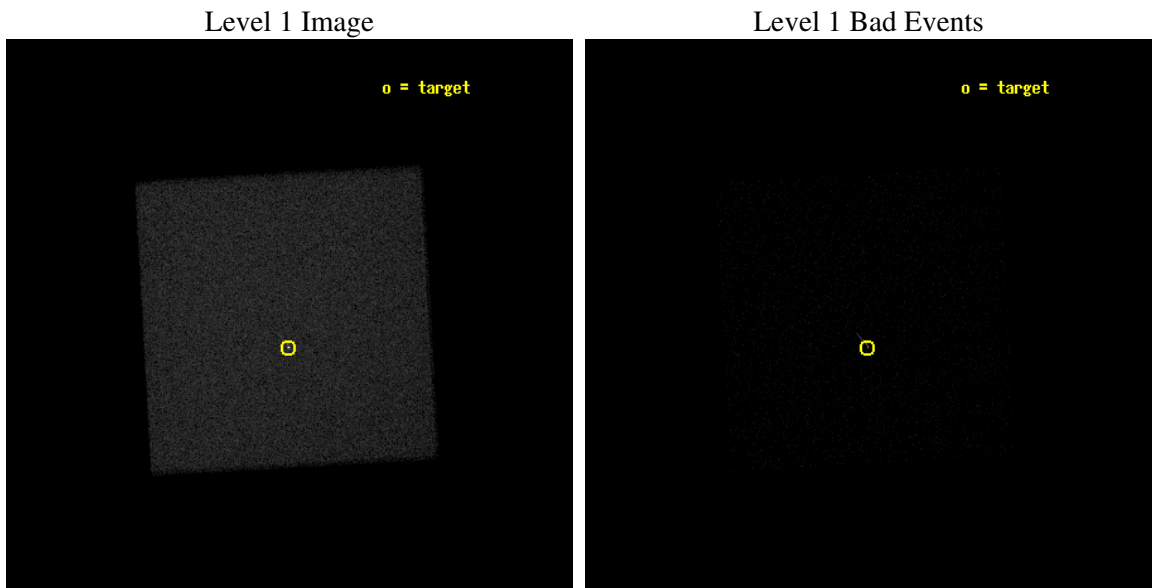
seq_num	290477
obs_id	5985
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.16725187086
dec_nom	45.788648144365
roll_nom	221.78088316343
revision	3
ontime	1180.0313042998
livetime	539.02008029664
l2events	170031



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	2007-11-24T17:04:37
revision	3

sched_exp_time	1000.000000
ontime	1180.0313042998
l1events	278586

2.1.3 Events

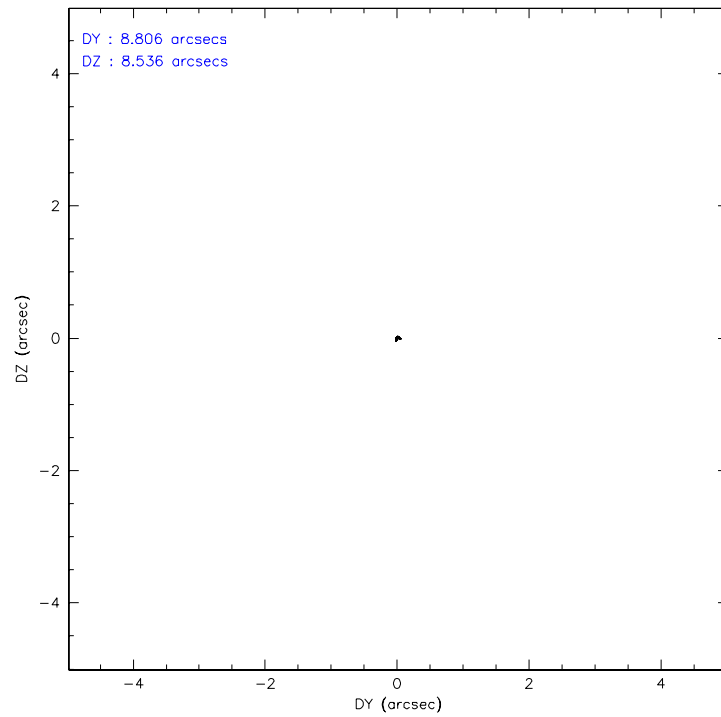
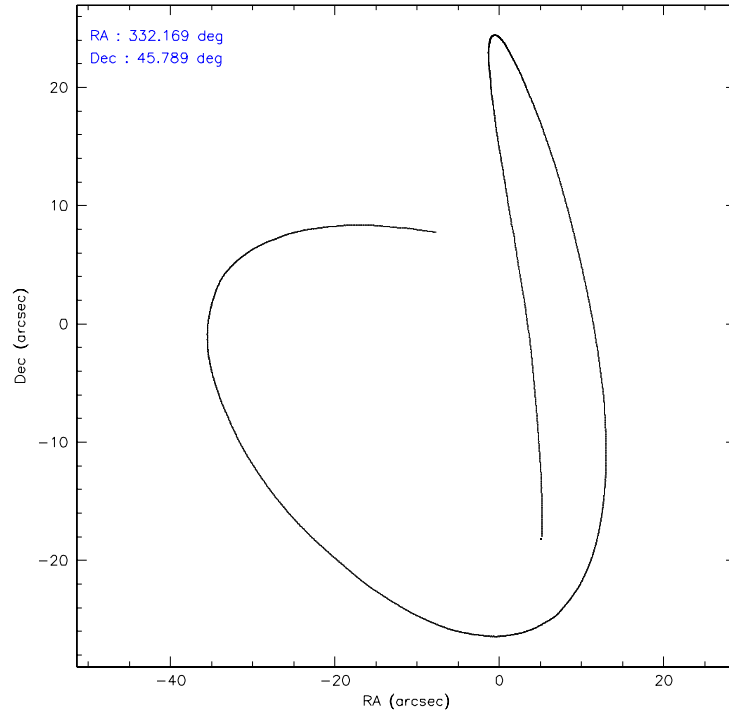
Level 1 Events

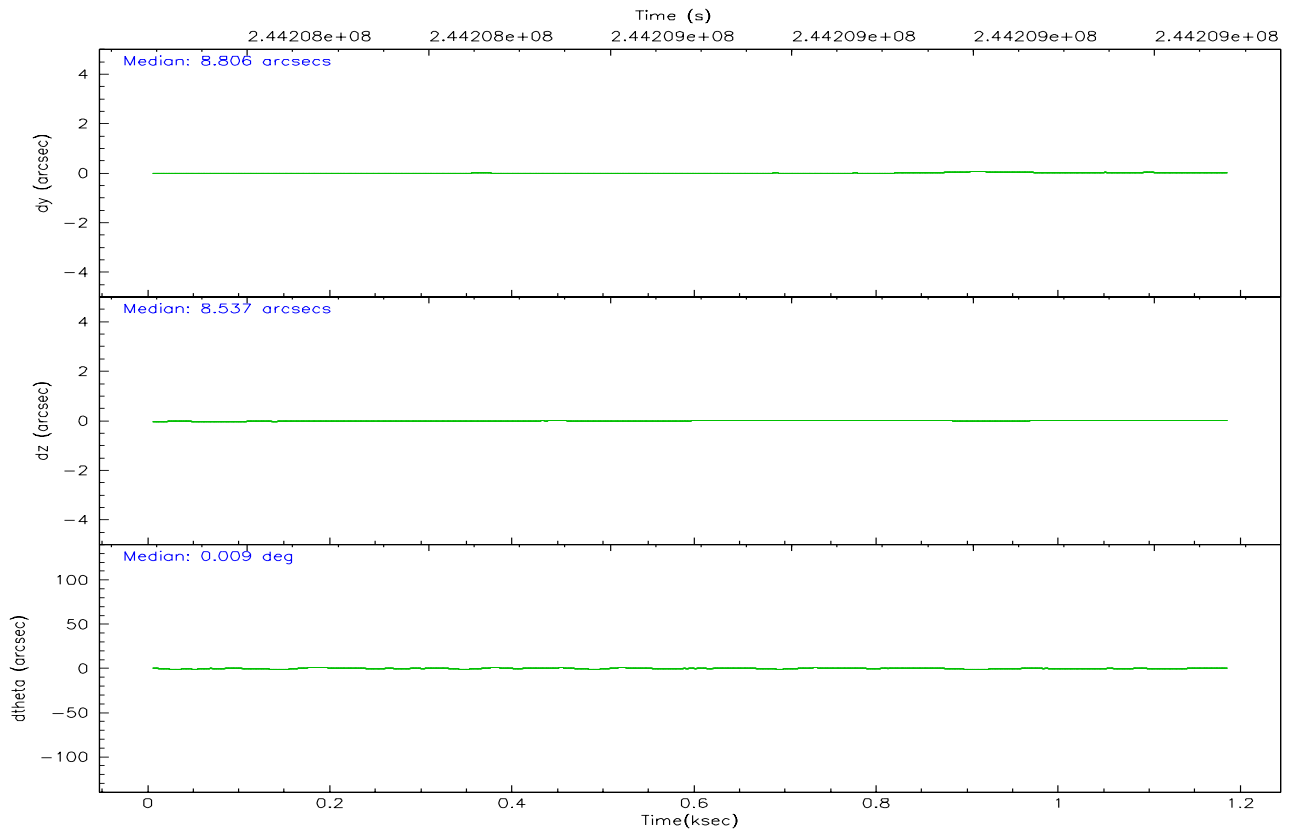
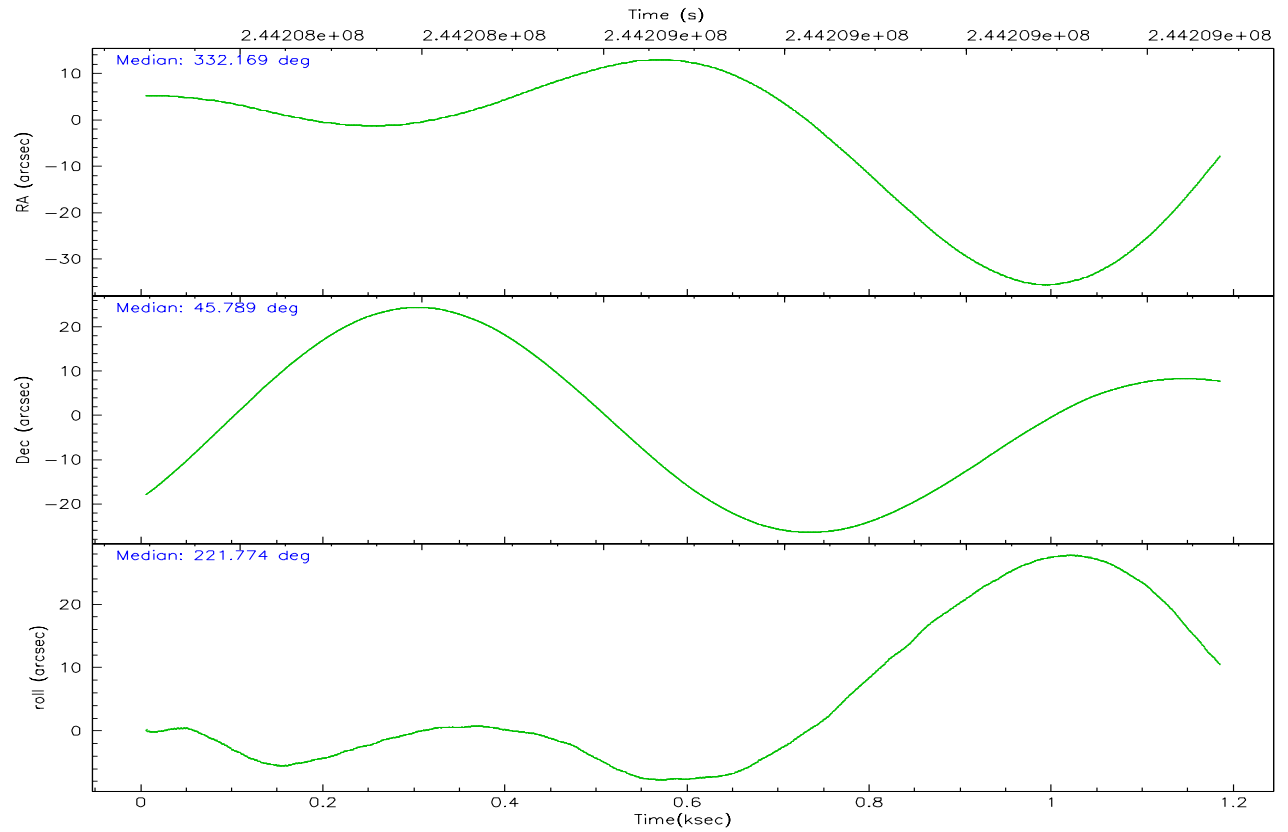
	segment 0
level 1 events	278586
rejected events	60810
rejected %	21%

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	332.179338	332.1672518708569			
Pointing Dec	45.813944	45.78864814436484			
Pointing Roll	221.867718	221.780883163435			
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	244208282.184000	244207905.76			
Observation start date	2005-09-27T11:36:58	2005-09-27T11:31:45			
Observation end time	244209282.184000	244209416.09757			
Observation end date	2005-09-27T11:53:38	2005-09-27T11:56:56			

2.3 Aspect



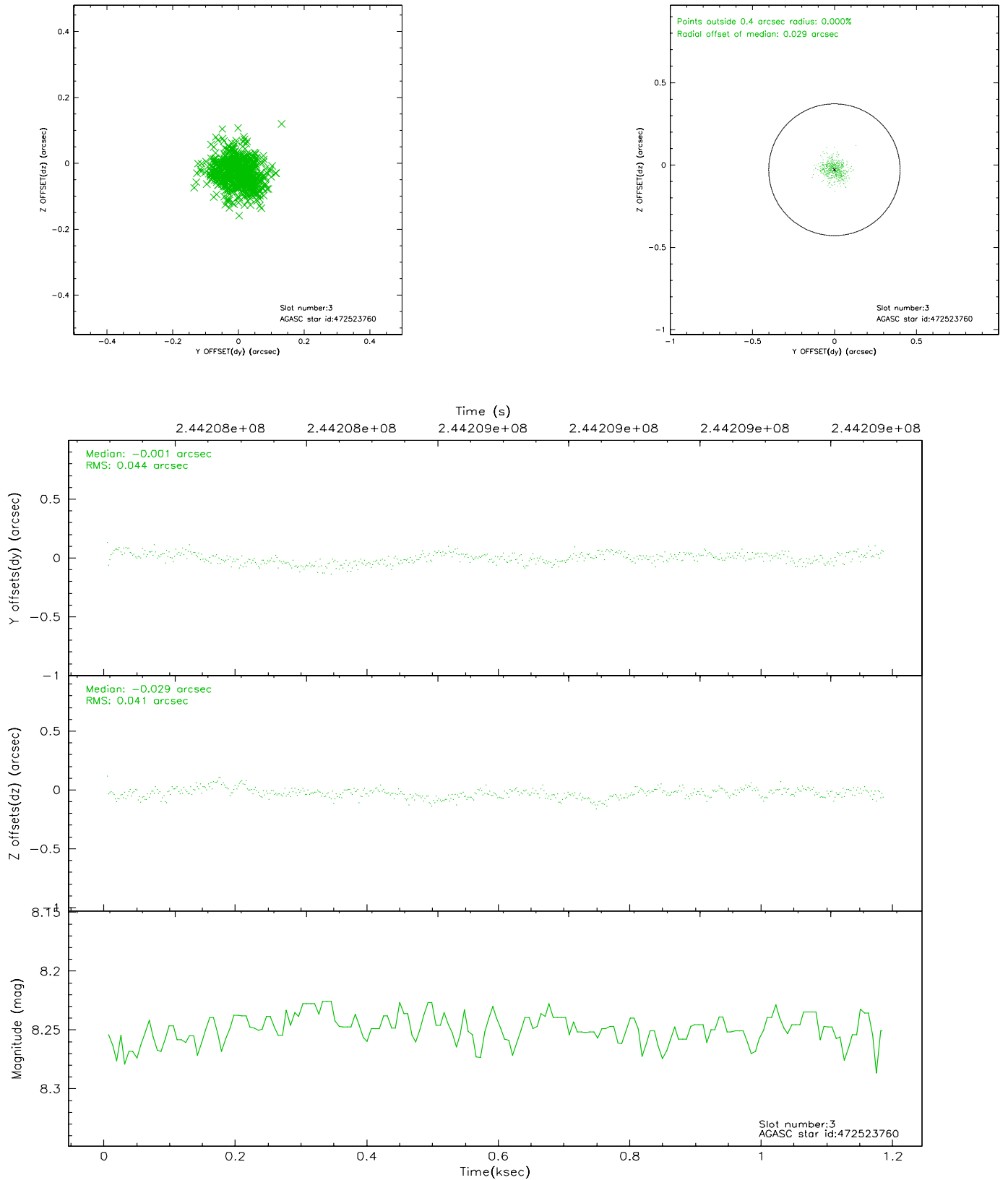


Slot Statistics

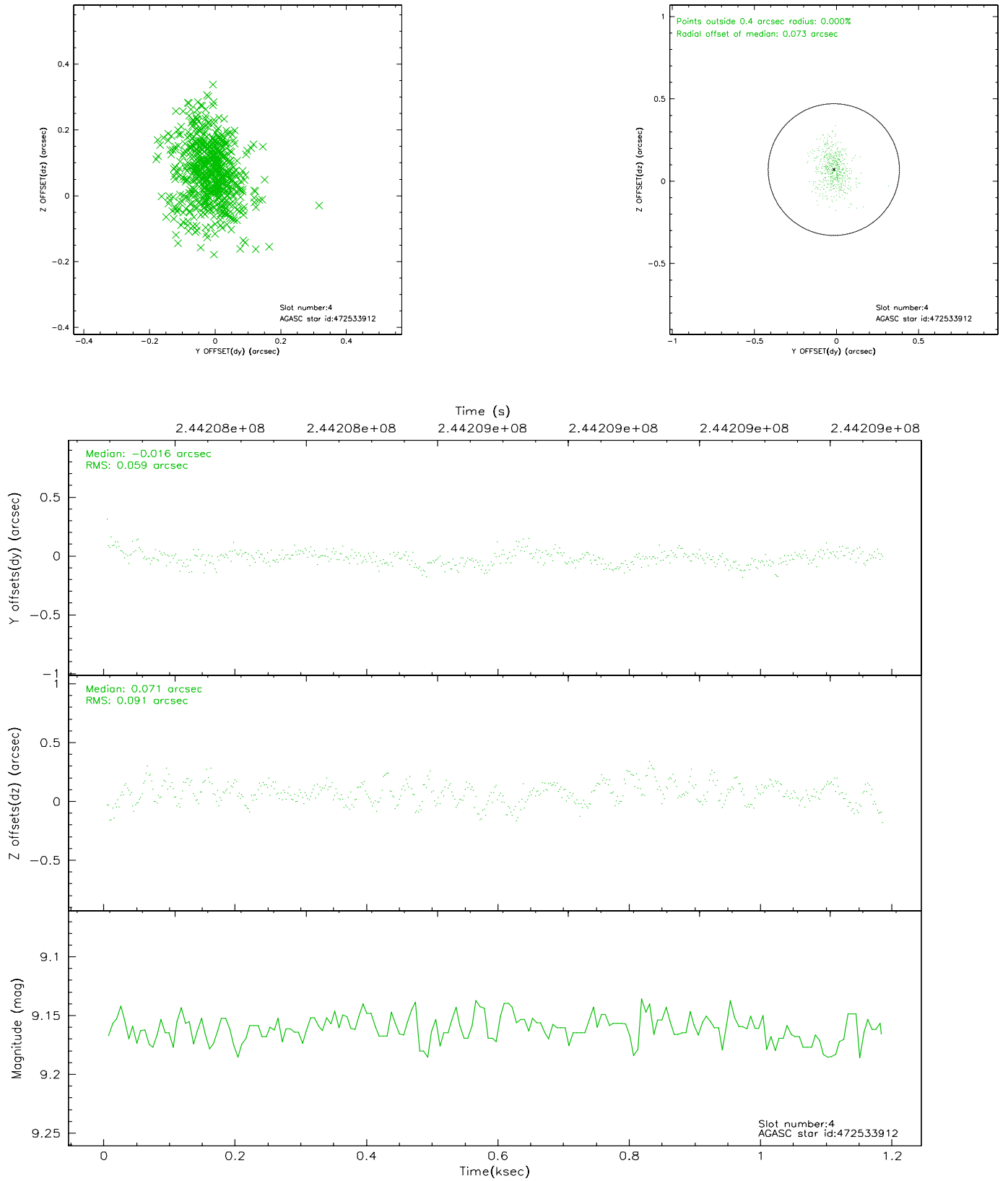
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	-0.015	0.061	0.006	0.009	0.000000	0.000000	-764.47	-1296.36
1	FID	HRC-I-2	7.02	288	0.164	-0.129	0.006	0.011	0.000000	0.000000	845.68	-1302.63
2	FID	HRC-I-3	7.07	288	-0.030	-0.022	0.005	0.010	0.000000	0.000000	-1190.02	1003.60
3	GUIDE	472523760	8.25	577	-0.001	-0.029	0.063	0.104	331.645363	45.403260	1989.11	200.14
4	GUIDE	472533912	9.16	577	-0.016	0.071	0.113	0.187	331.791136	46.368695	-612.52	-2129.06
5	GUIDE	472651904	6.15	577	-0.102	-0.234	0.070	0.114	332.170077	45.742257	188.65	175.49
6	GUIDE	472654568	9.43	577	0.053	0.186	0.104	0.168	332.194449	45.063576	1774.78	2041.14
7	GUIDE	472655152	9.43	576	0.072	0.020	0.108	0.189	332.504239	45.862991	-722.16	417.60

2.4 Star Slots

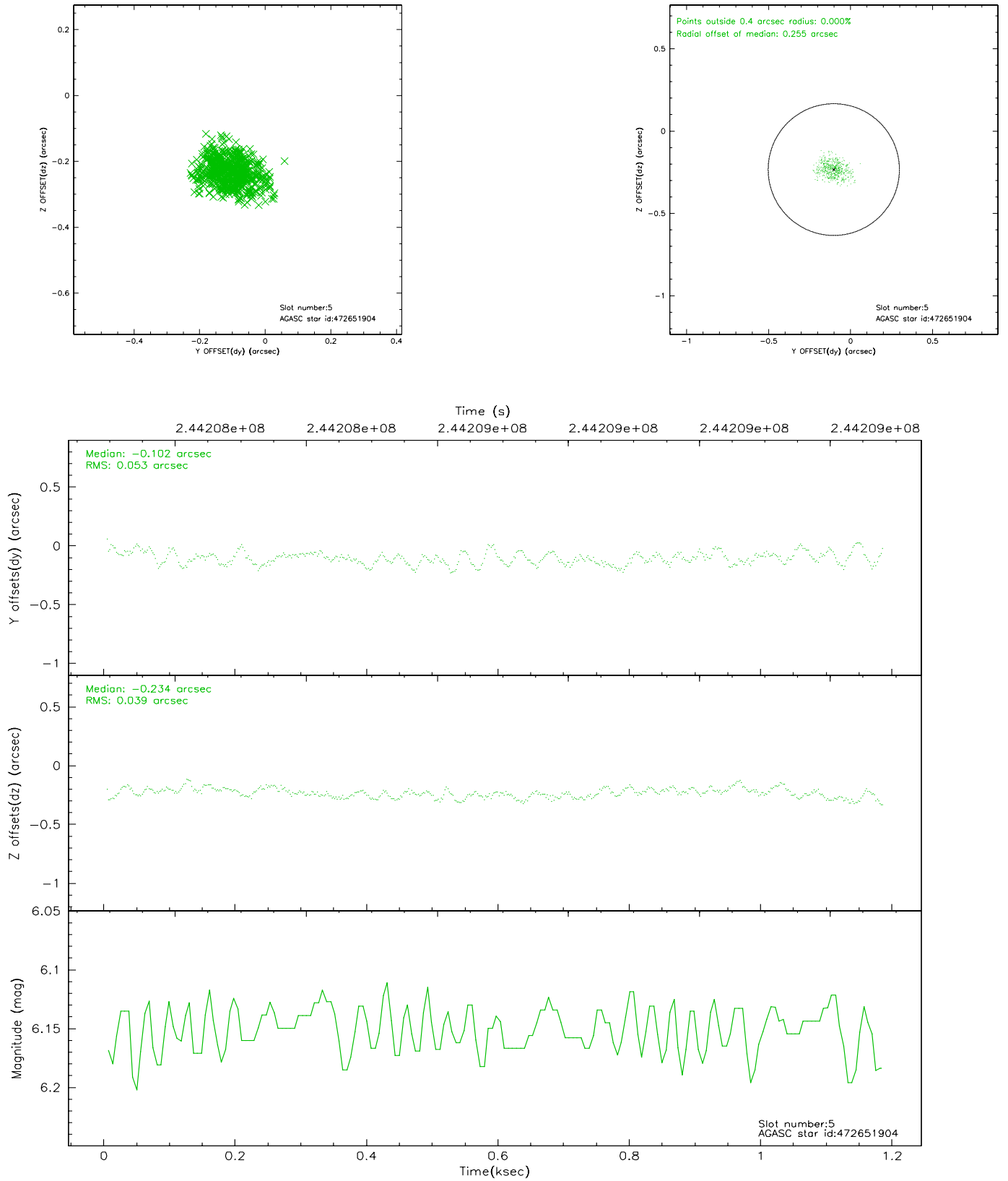
2.4.1 Slot 3



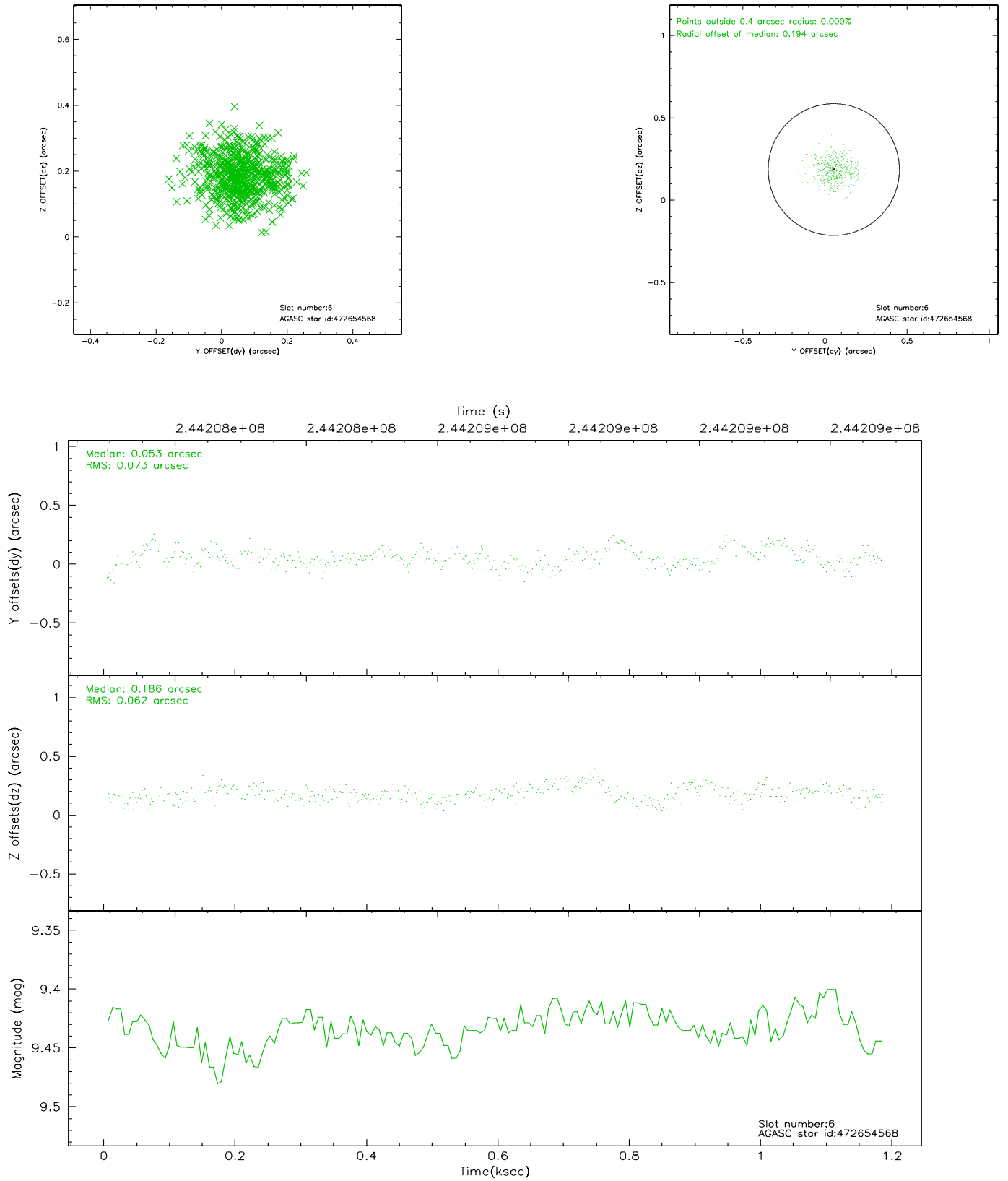
2.4.2 Slot 4



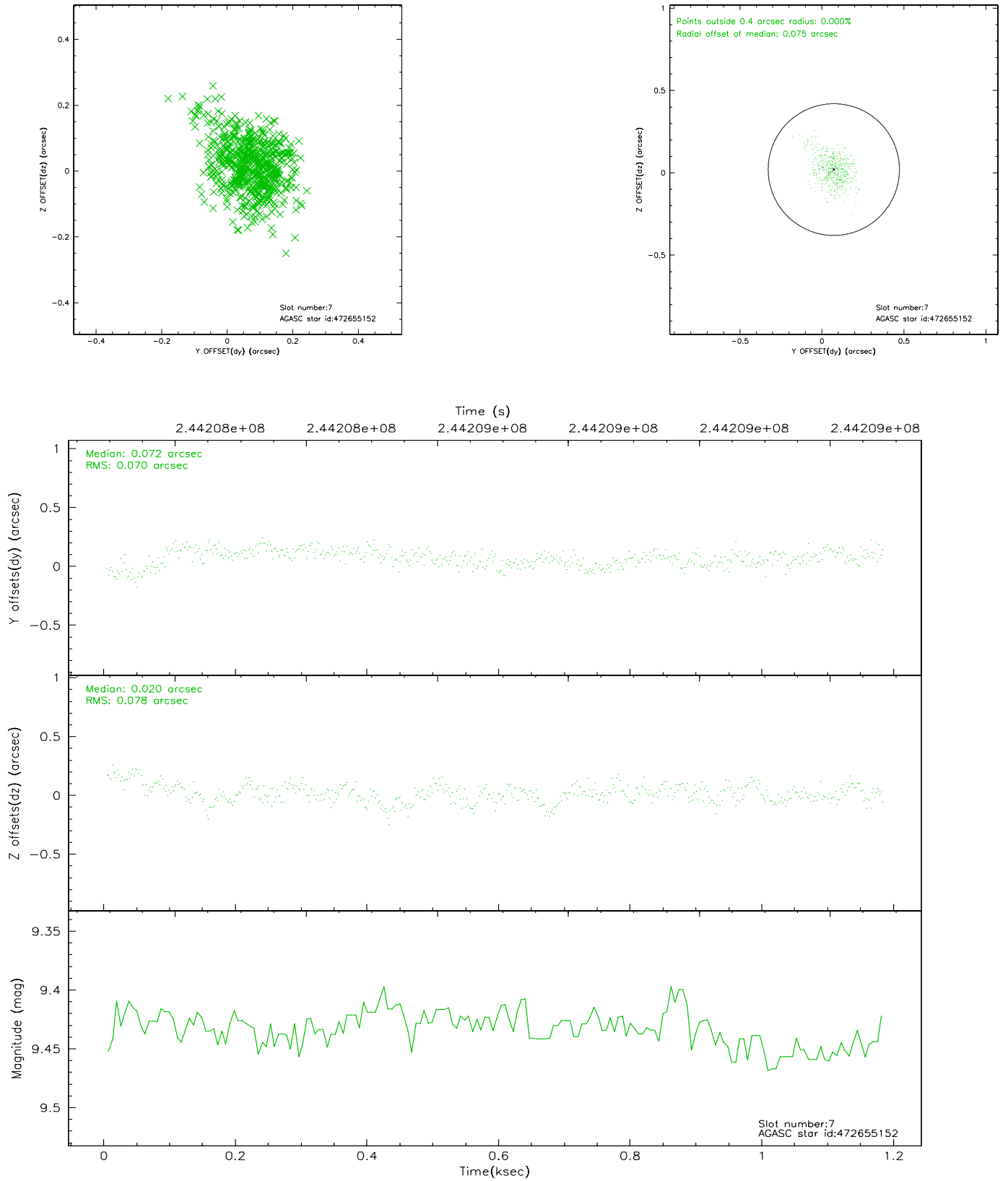
2.4.3 Slot 5



2.4.4 Slot 6

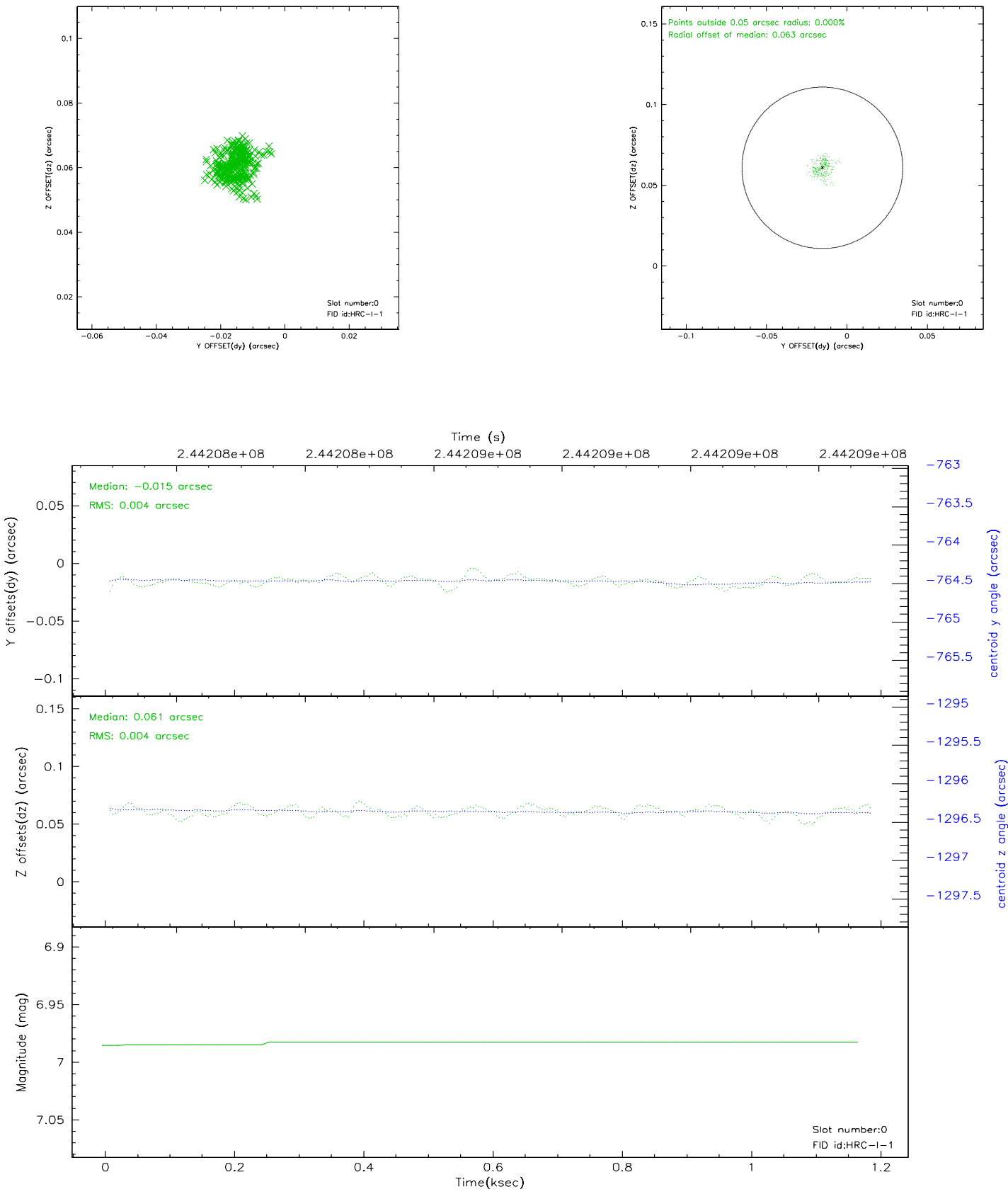


2.4.5 Slot 7

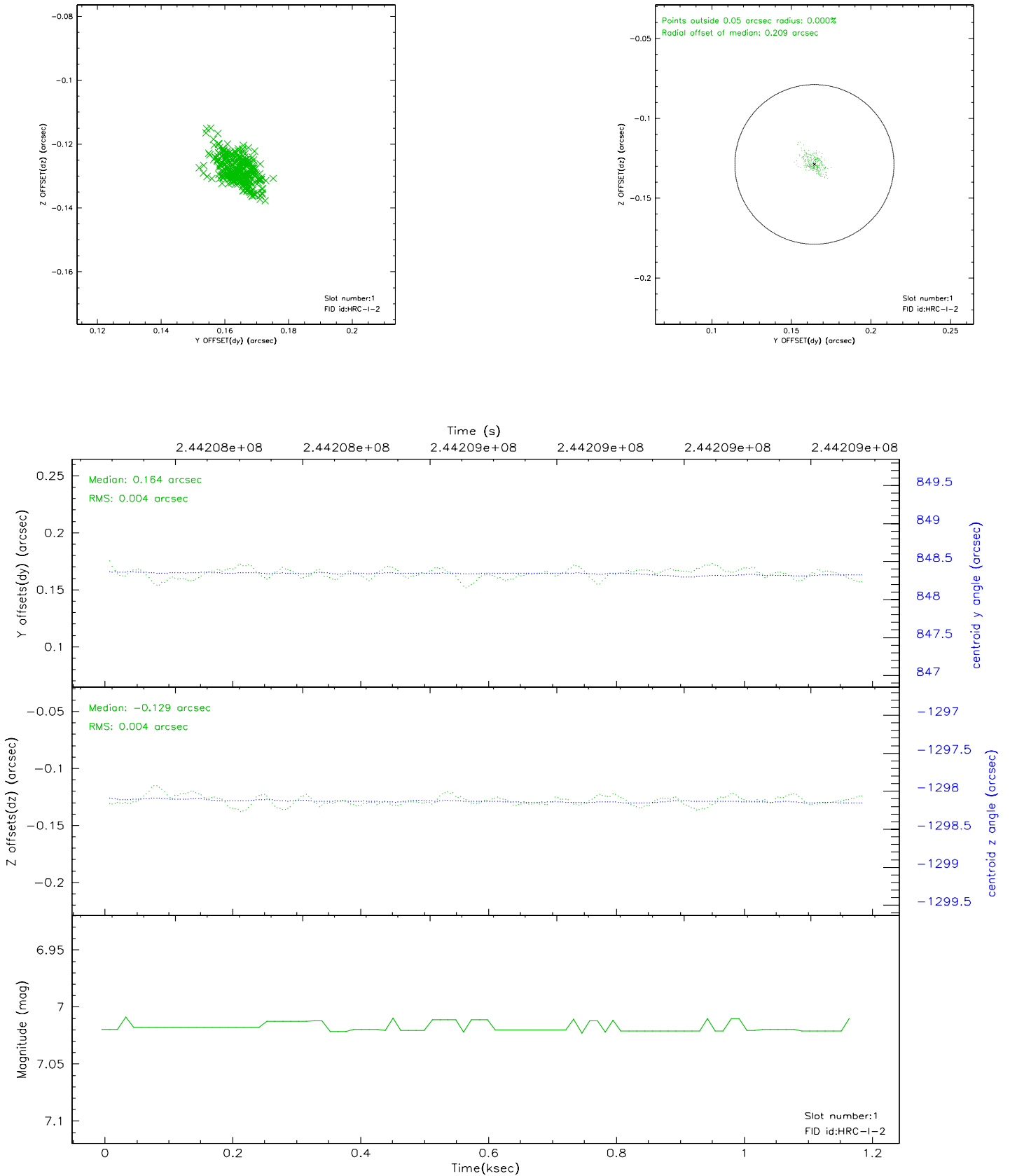


2.5 FID Slots

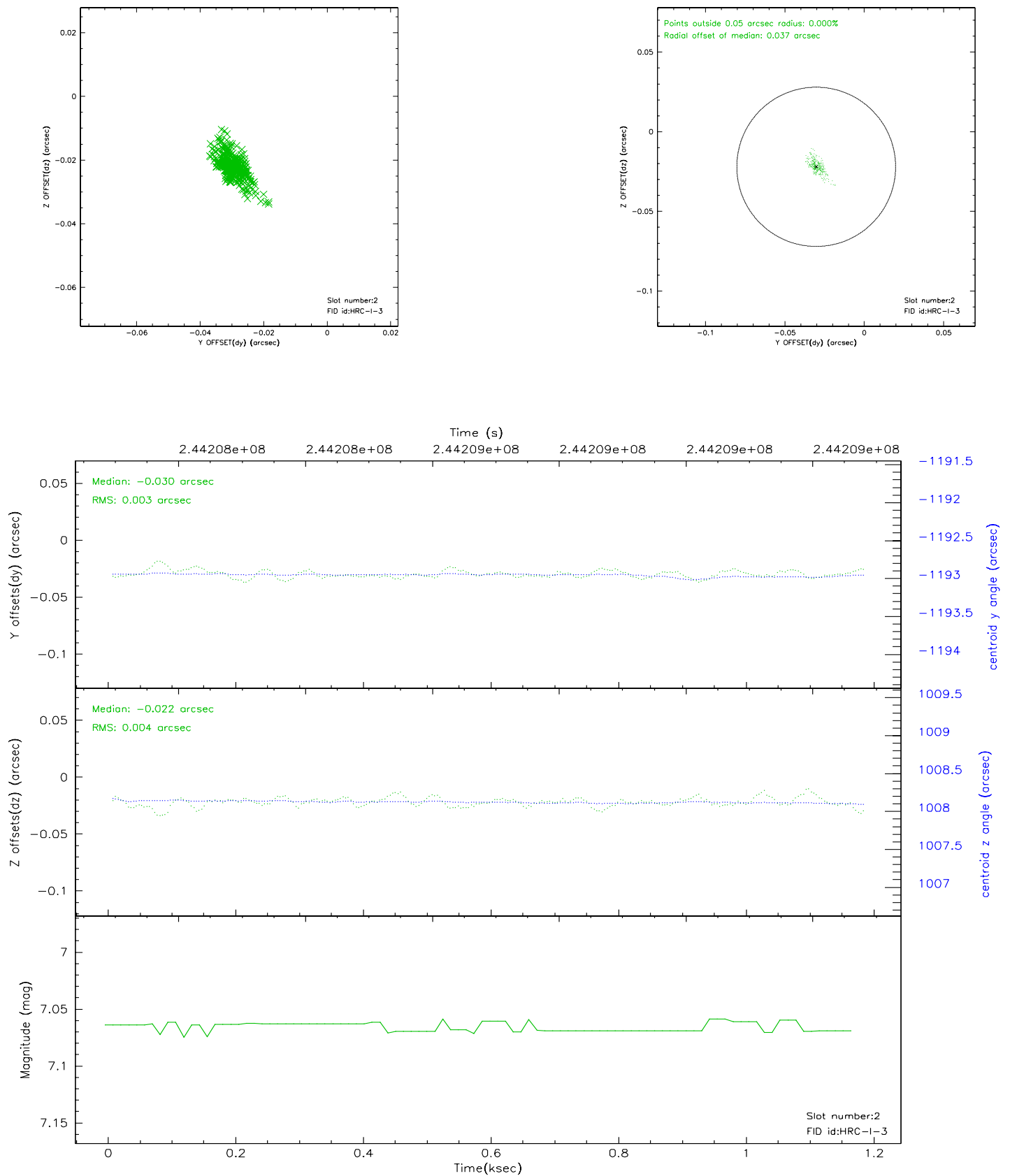
2.5.1 Slot 0



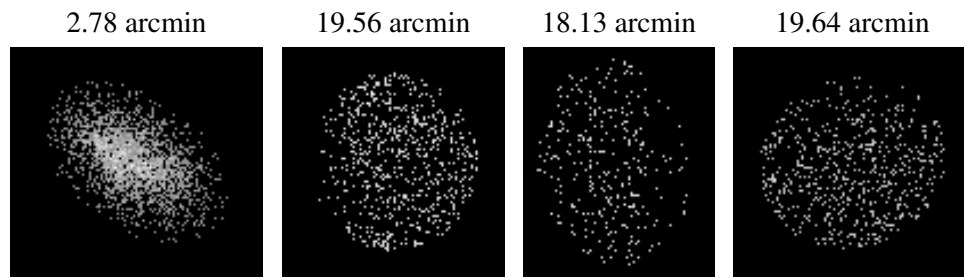
2.5.2 Slot 1



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	1.179775

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.