

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5991 - L2 Version 3
Chandra X-Ray Center

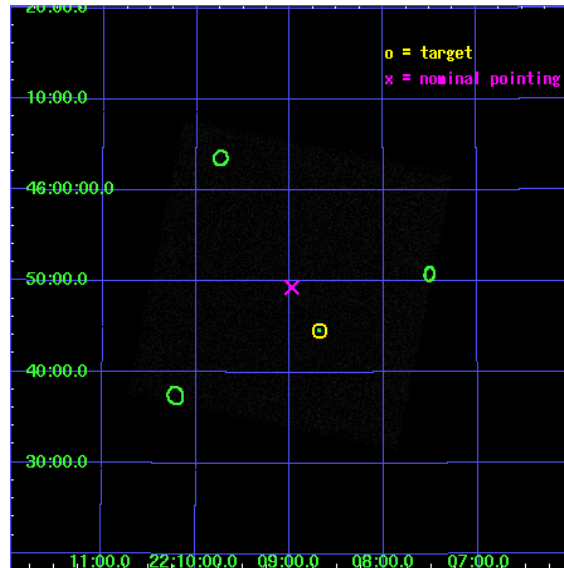
L2 Processing Date : Nov 24 2007

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1 Front

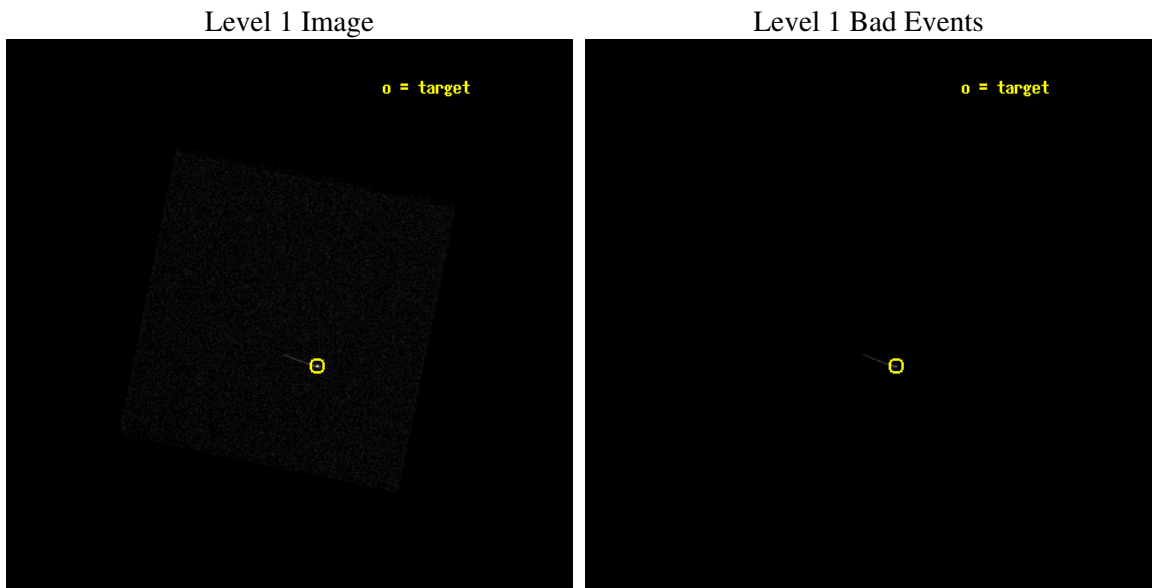
seq_num	290483
obs_id	5991
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.24474208939
dec_nom	45.82270098718
roll_nom	236.56830180971
revision	3
ontime	1177.9813042283
livetime	1169.4274992981
l2events	50235



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	2007-11-24T18:32:50
revision	3

sched_exp_time	1000.000000
ontime	1177.9813042283
l1events	92740

2.1.3 Events

Level 1 Events

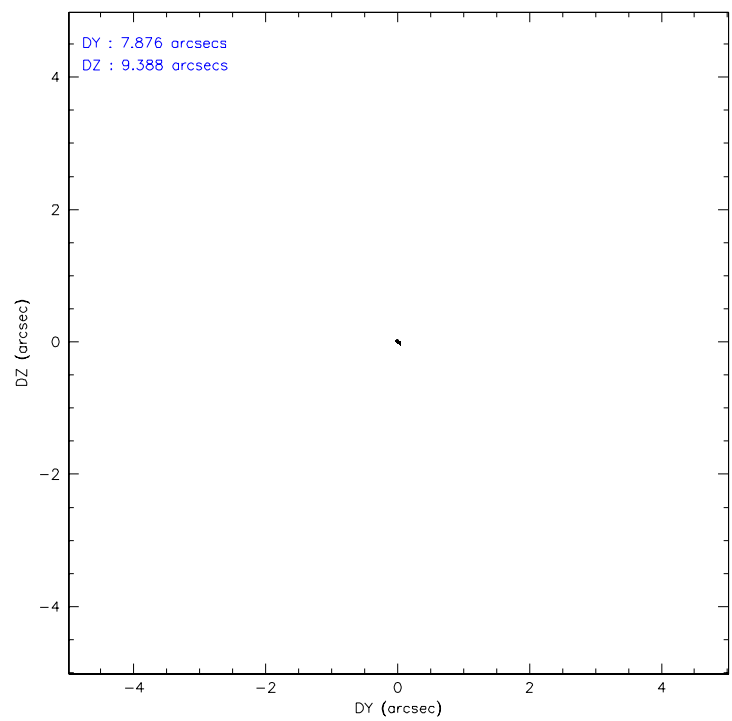
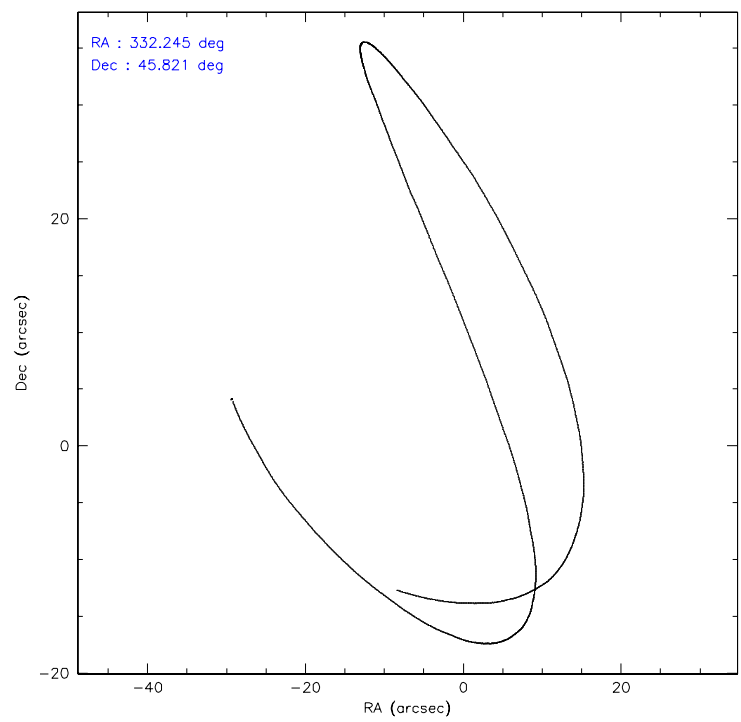
	segment 0
level 1 events	92740
rejected events	20844
rejected %	22%

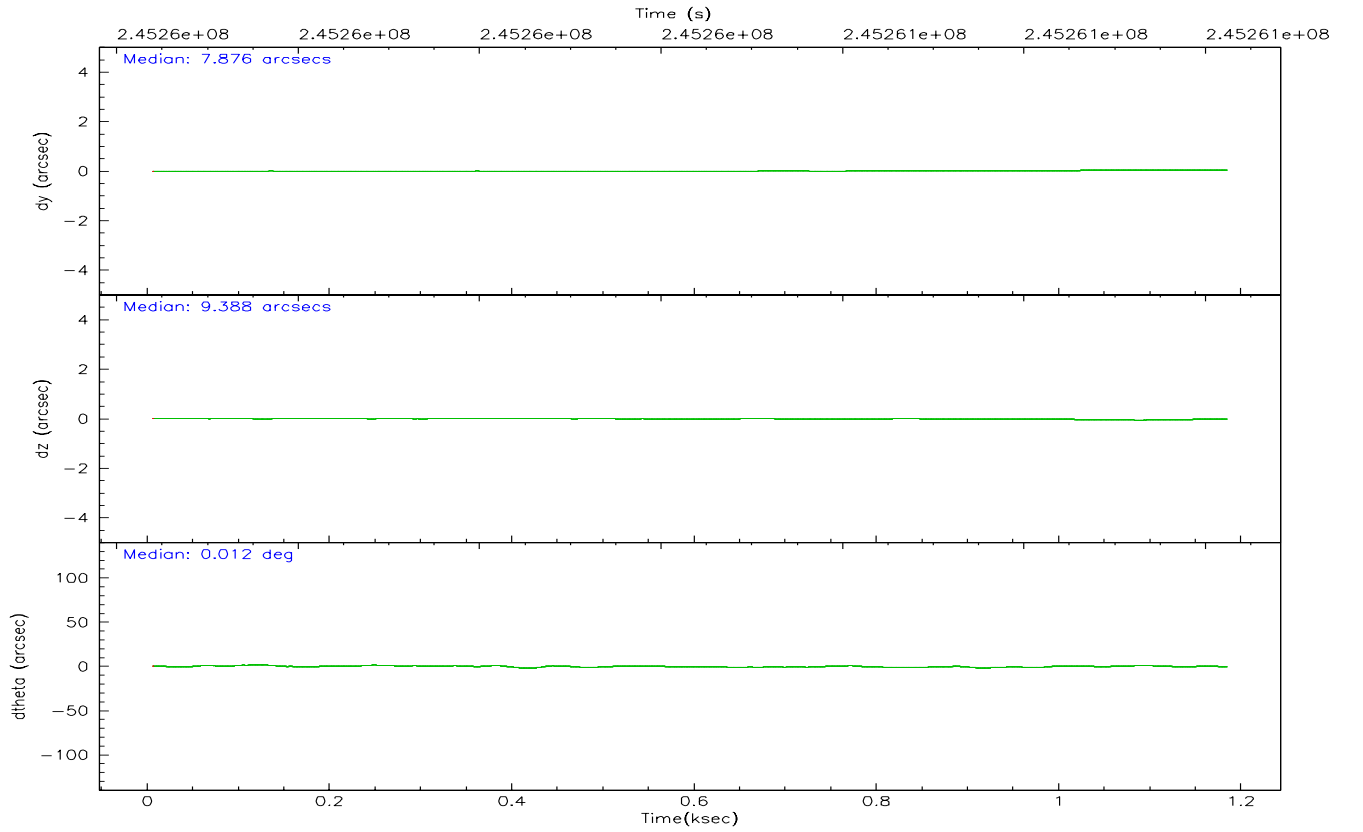
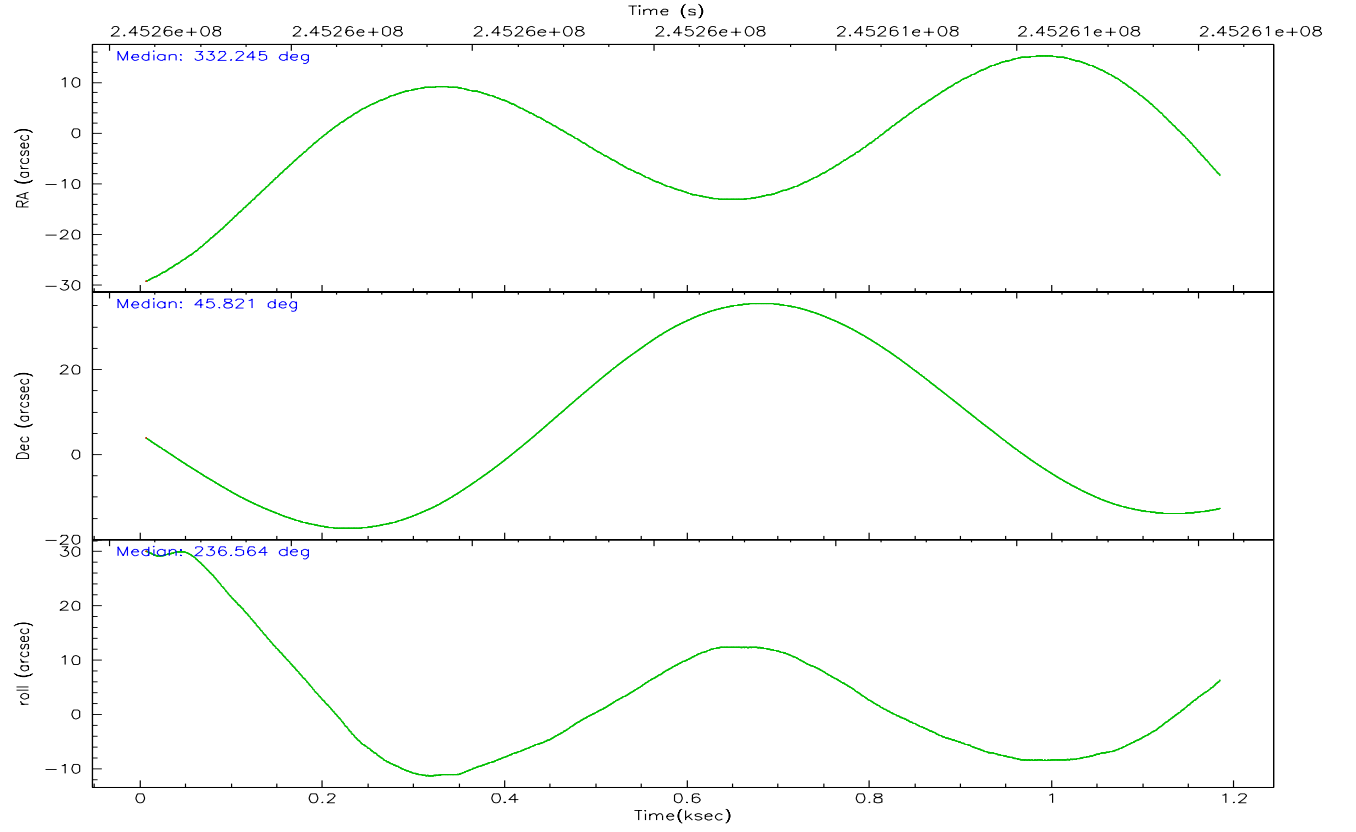
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.245210	332.2447420893902
Pointing Dec	45.850639	45.82270098717983
Pointing Roll	236.663410	236.5683018097139
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	245260026.184000	245259650.1084
Observation start date	2005-10-09T15:46:02	2005-10-09T15:40:50
Observation end time	245261026.184000	245261159.93347
Observation end date	2005-10-09T16:02:42	2005-10-09T16:05:59

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



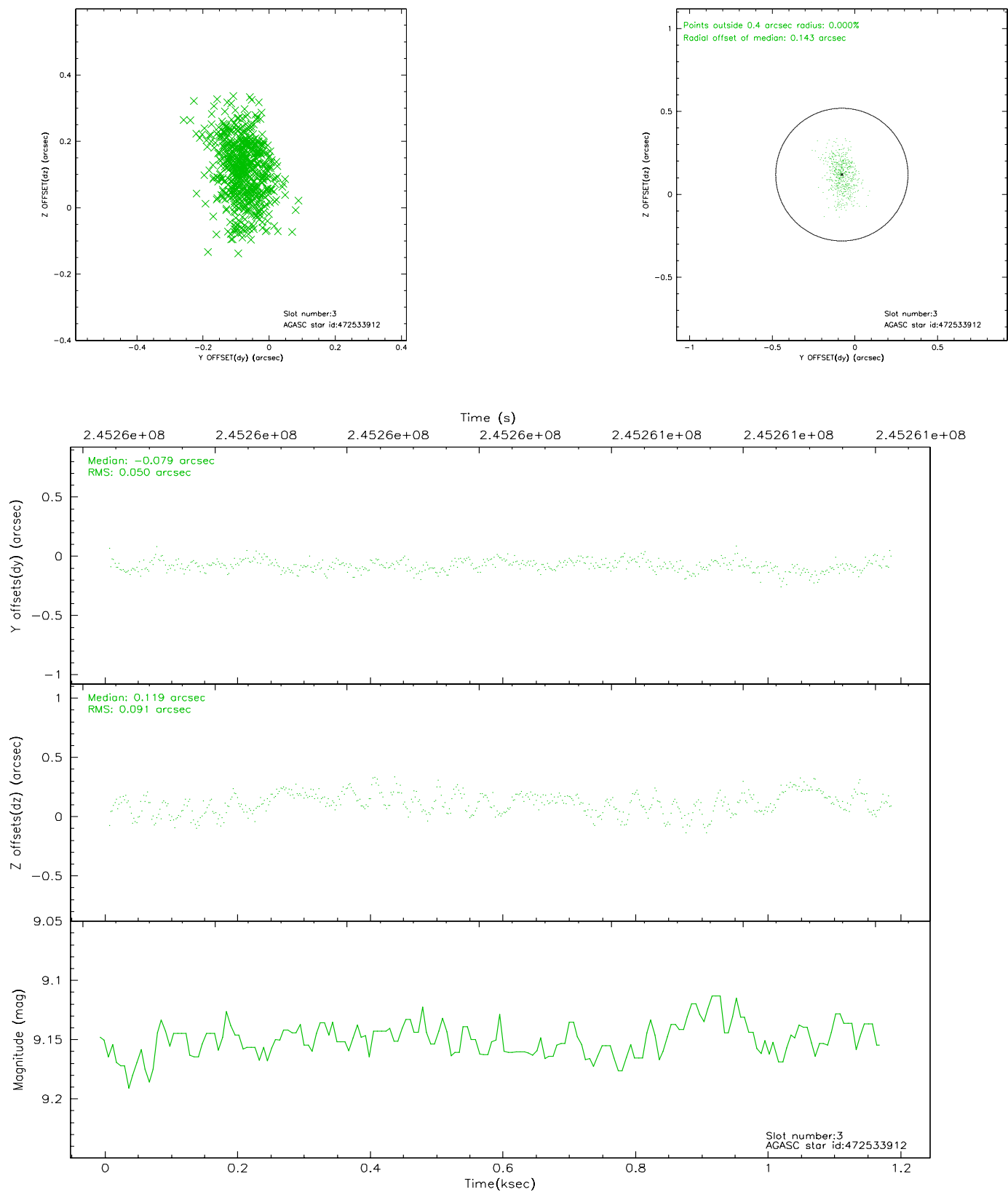


Slot Statistics

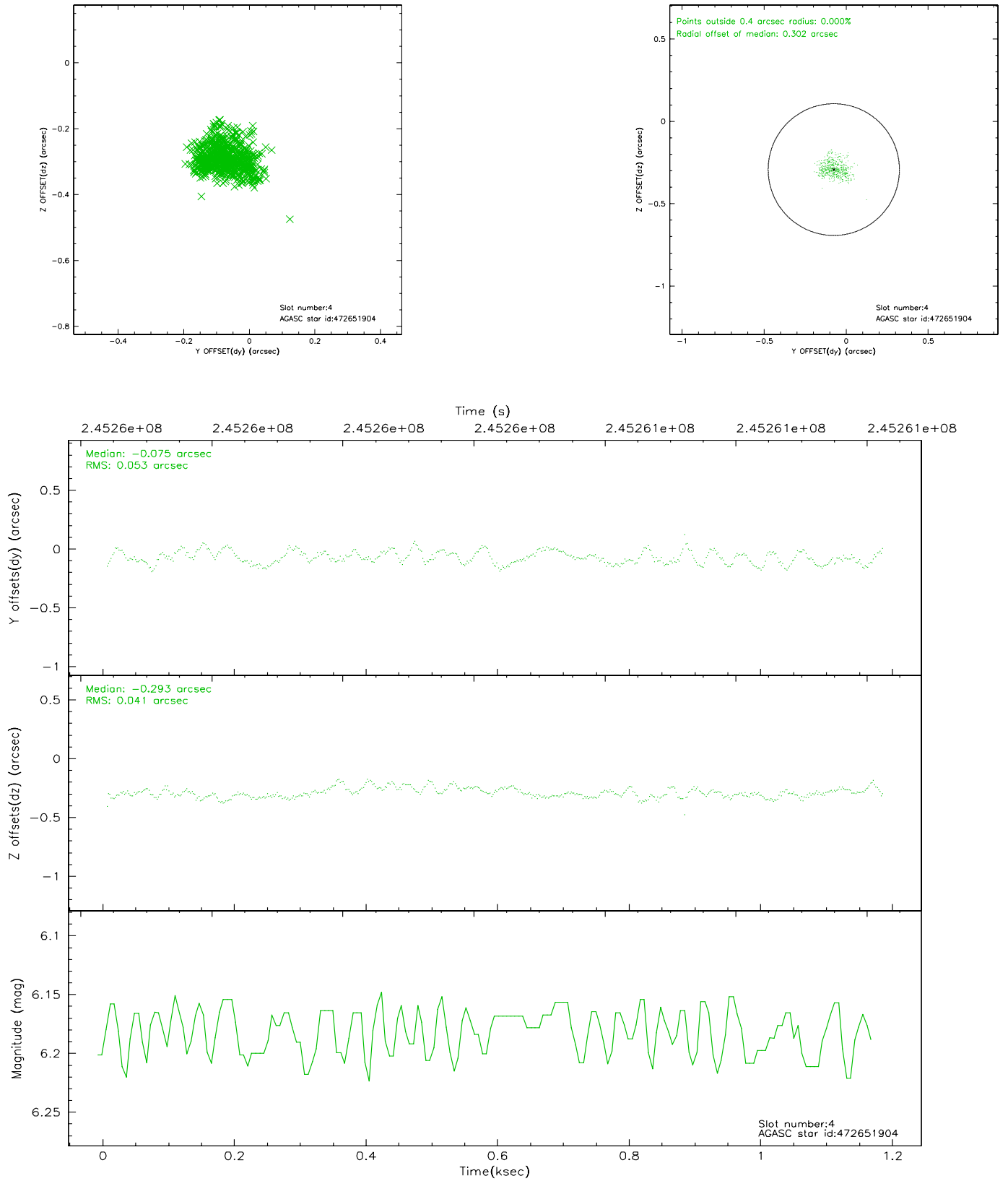
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	-0.040	-0.020	0.006	0.010	0.000000	0.000000	-763.61	-1297.32
1	FID	HRC-I-2	7.02	288	0.125	-0.060	0.007	0.011	0.000000	0.000000	846.54	-1303.53
2	FID	HRC-I-4	7.01	288	0.031	-0.012	0.005	0.010	0.000000	0.000000	1282.33	1000.21
3	GUIDE	472533912	9.15	575	-0.079	0.119	0.106	0.195	331.791136	46.368695	-941.83	-1972.49
4	GUIDE	472651904	6.18	576	-0.075	-0.293	0.073	0.110	332.170077	45.742257	426.93	49.07
5	GUIDE	472655152	9.43	576	0.124	0.022	0.093	0.148	332.504239	45.862991	-394.97	514.14
6	GUIDE	472665256	9.02	576	0.031	-0.043	0.076	0.119	332.808125	46.195041	-1812.48	485.08
7	GUIDE	472523760	8.26	575	-0.008	0.181	0.065	0.105	331.645363	45.403260	2170.07	-387.10

2.4 Star Slots

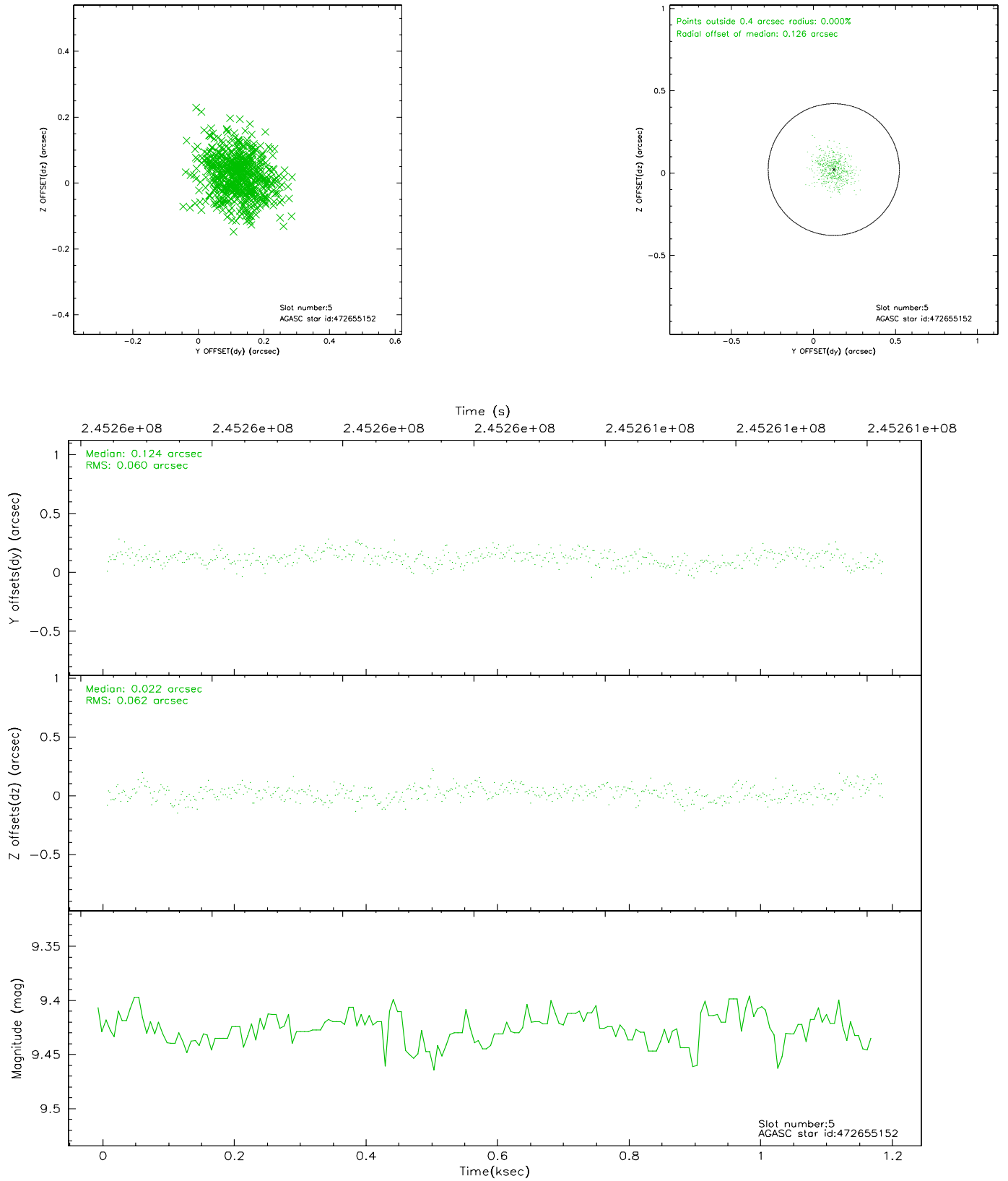
2.4.1 Slot 3



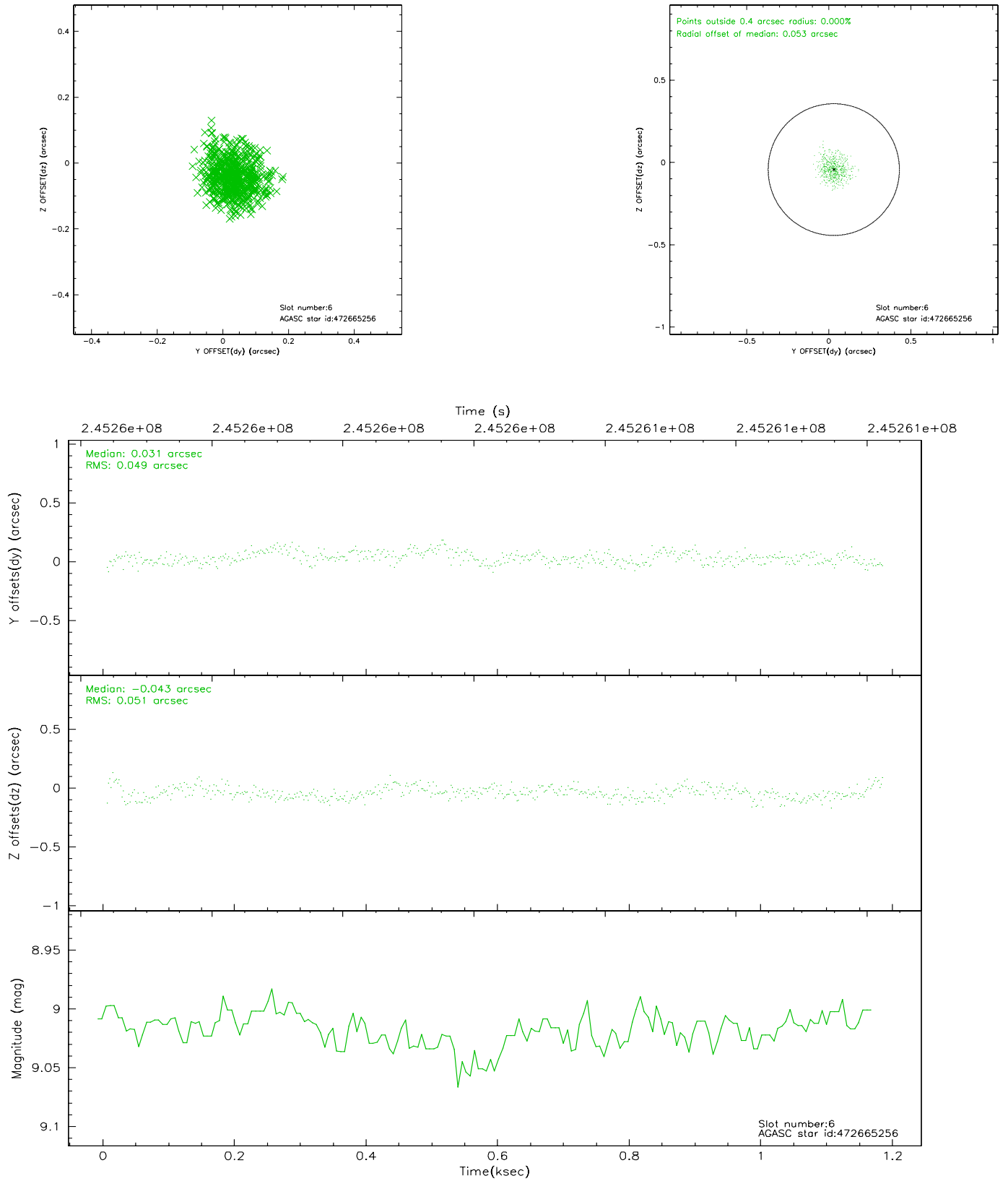
2.4.2 Slot 4



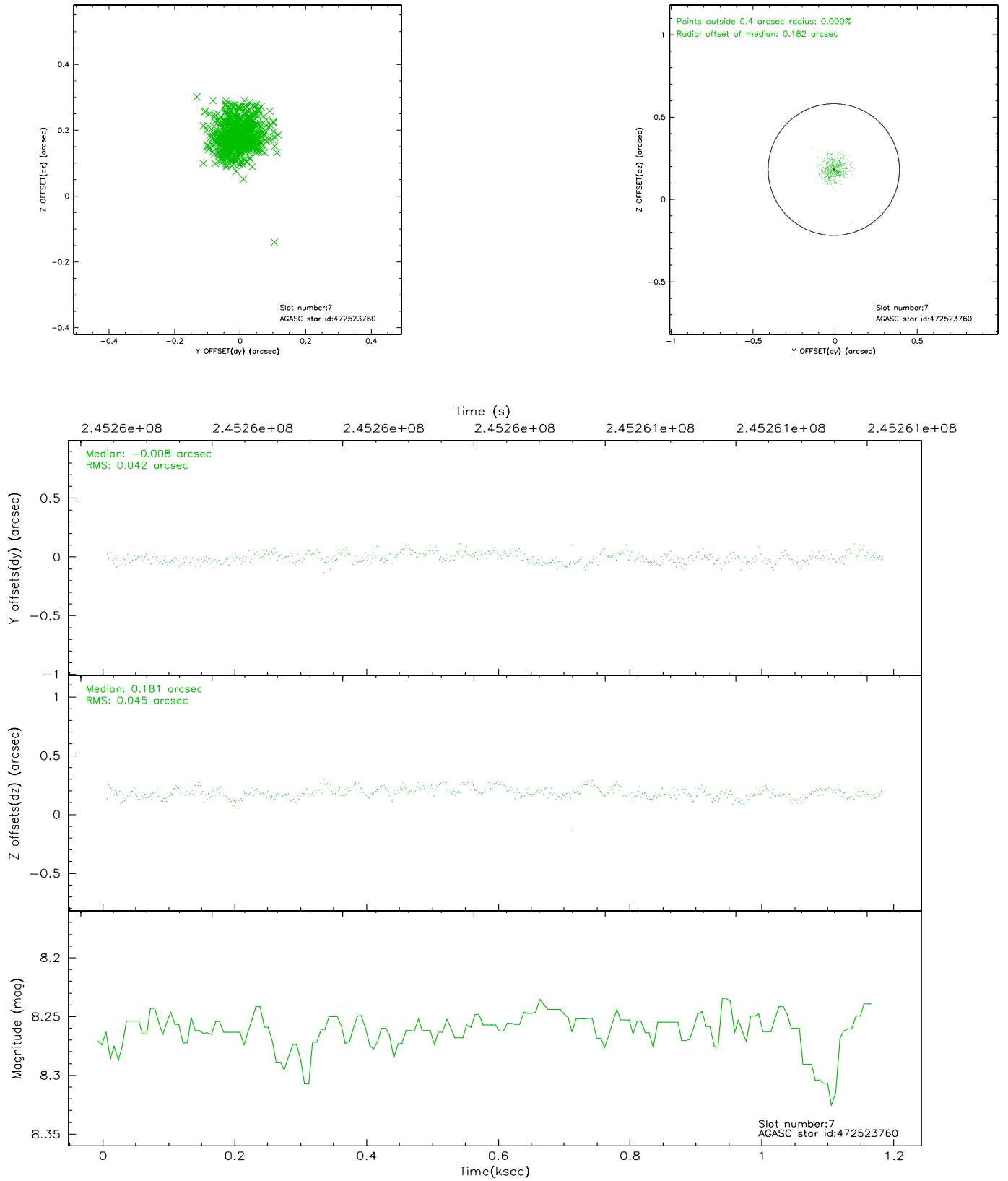
2.4.3 Slot 5



2.4.4 Slot 6

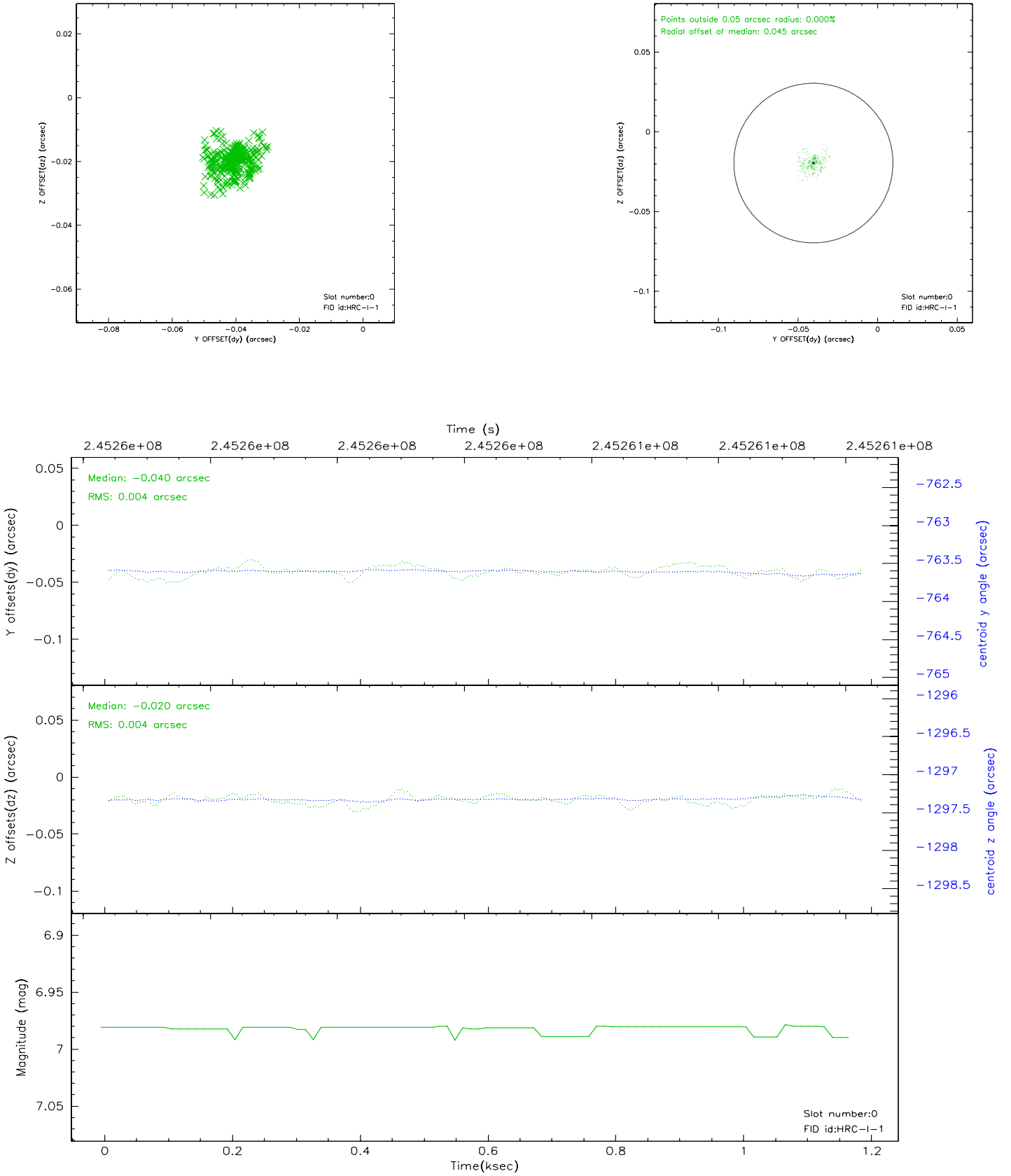


2.4.5 Slot 7

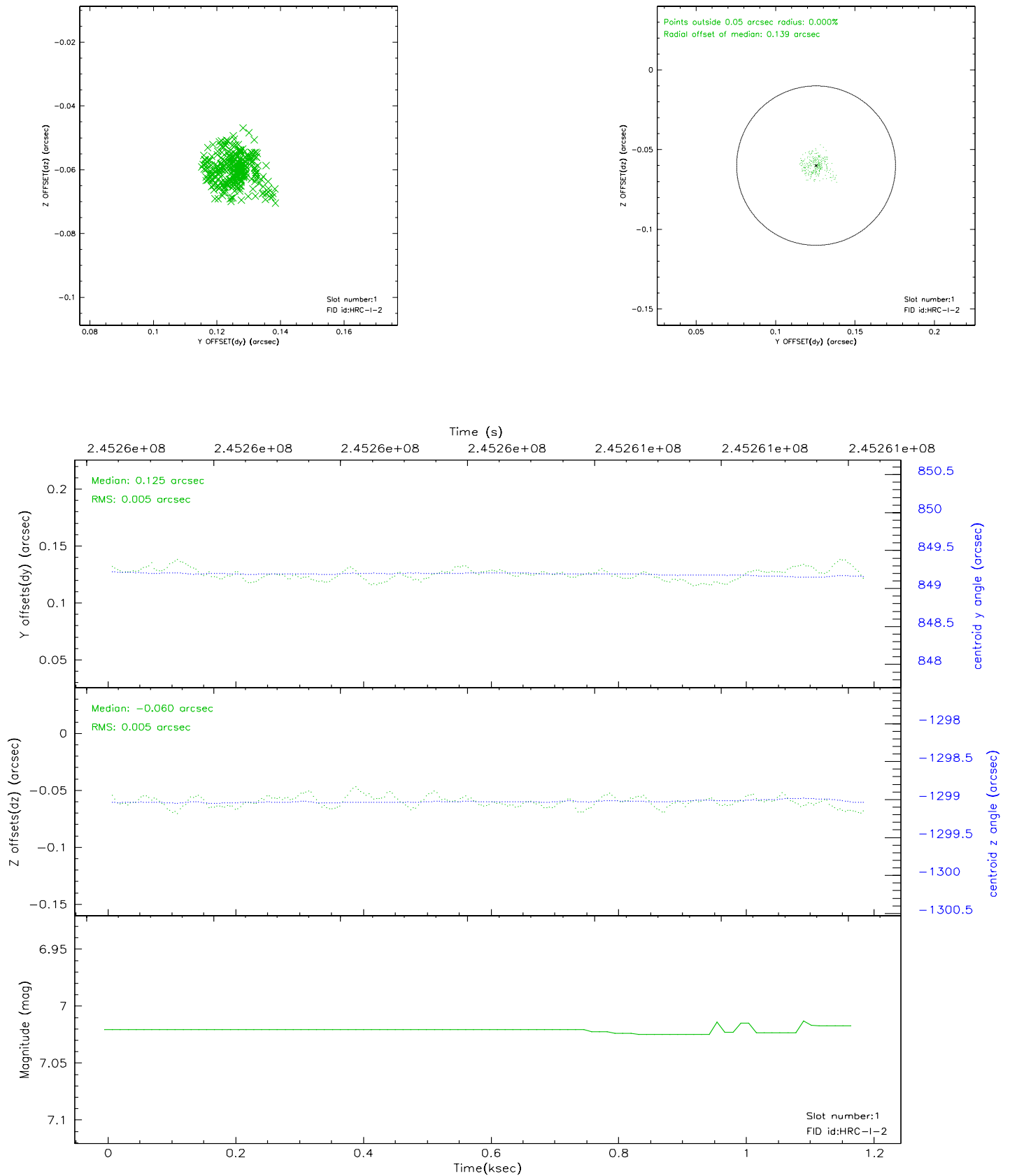


2.5 FID Slots

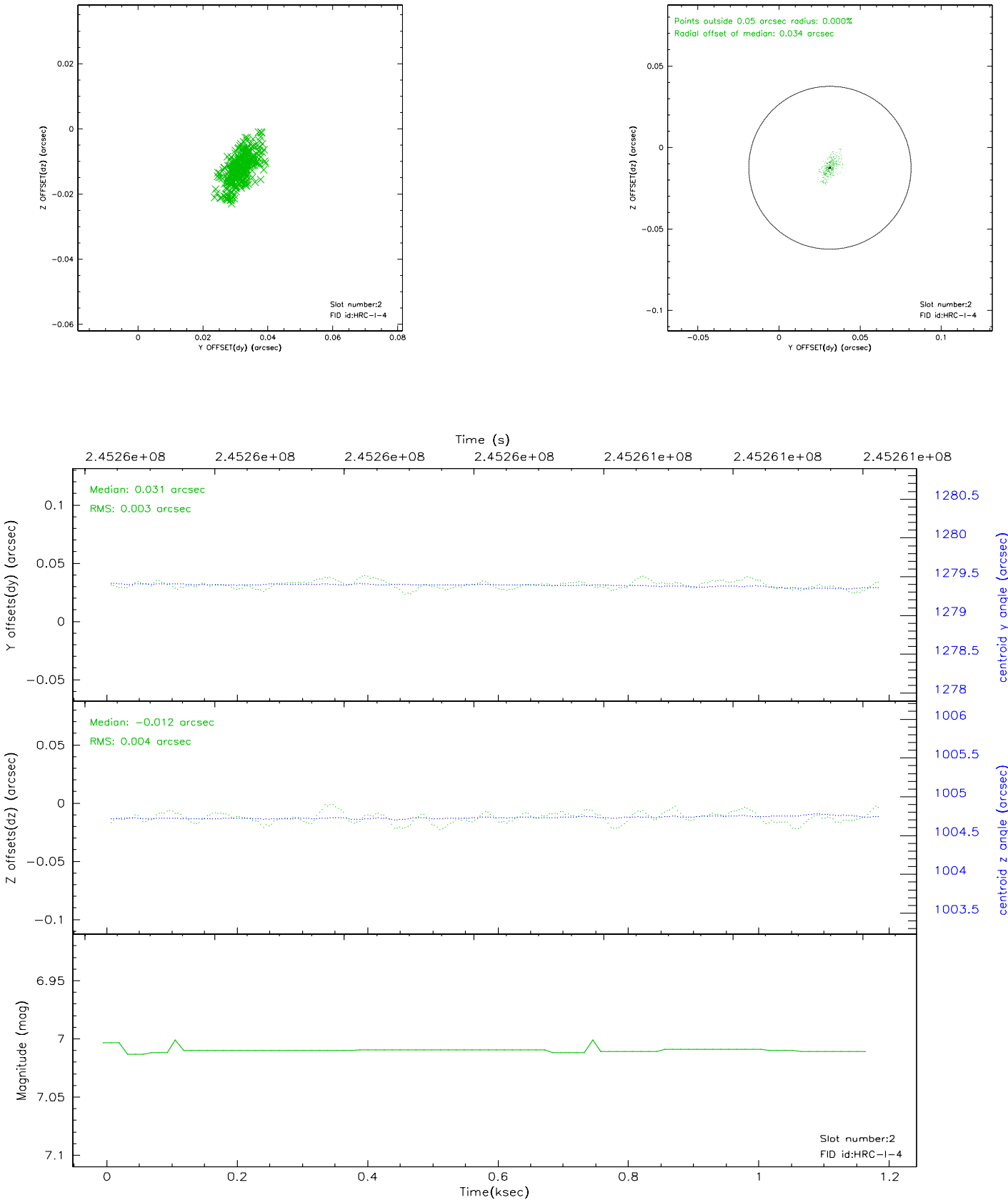
2.5.1 Slot 0



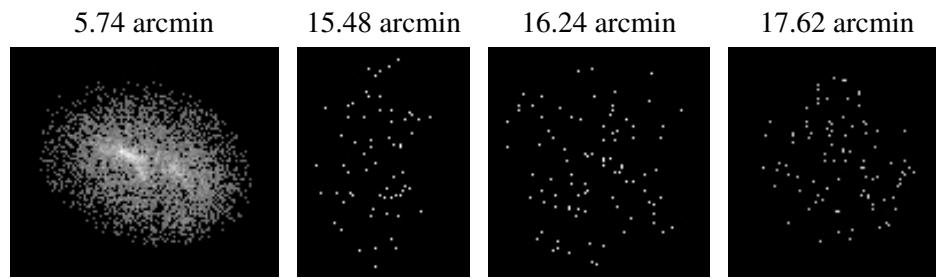
2.5.2 Slot 1



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	1.177981

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.