

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5994 - L2 Version 3
Chandra X-Ray Center

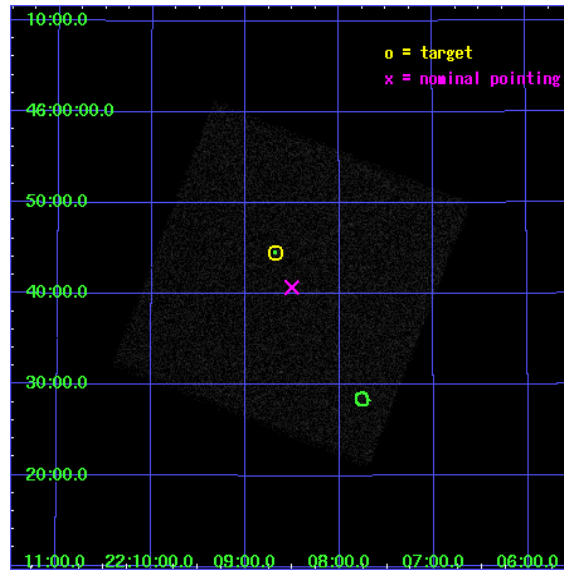
L2 Processing Date : Nov 24 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

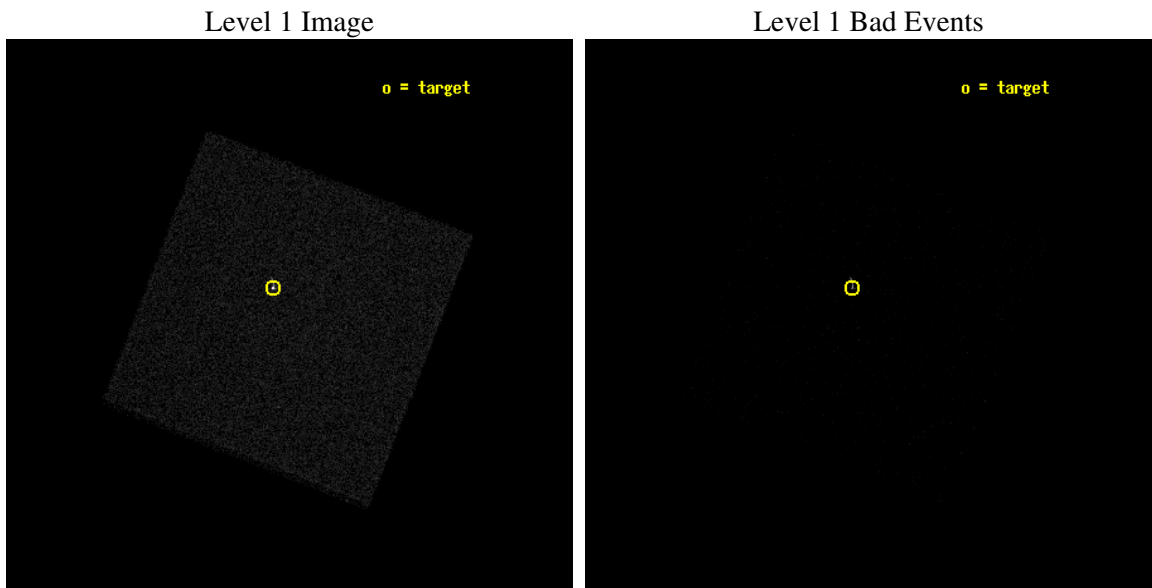
seq_num	290486
obs_id	5994
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1263394697
dec_nom	45.679121960118
roll_nom	246.31580196659
revision	3
ontime	1182.081304431
livetime	1173.2685233991
l2events	49408



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	2007-11-24T18:33:25
revision	3

sched_exp_time	1000.000000
ontime	1182.081304431
l1events	131012

2.1.3 Events

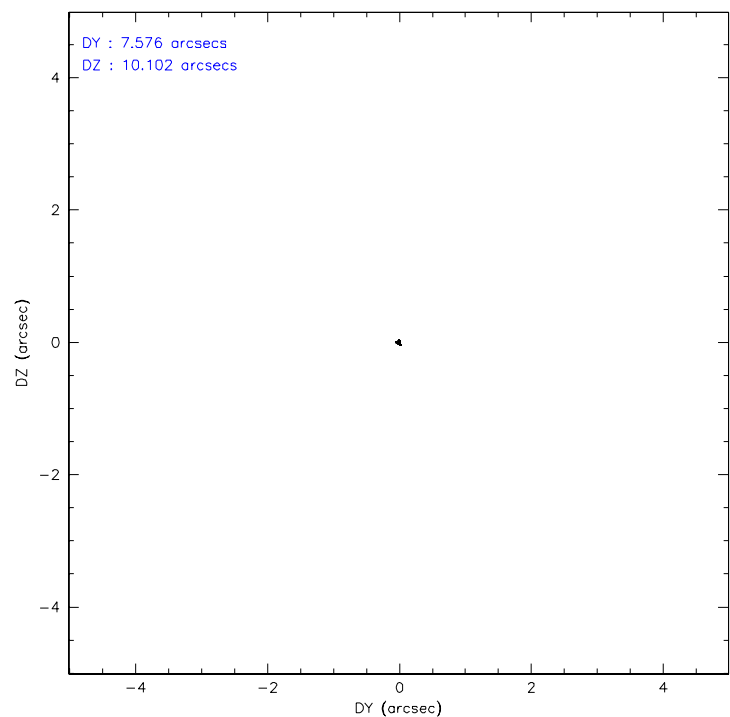
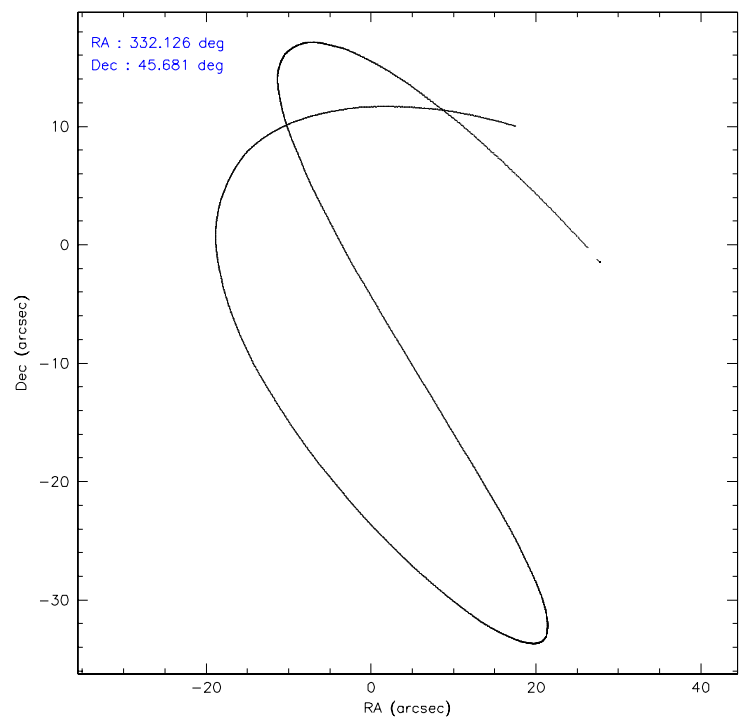
Level 1 Events

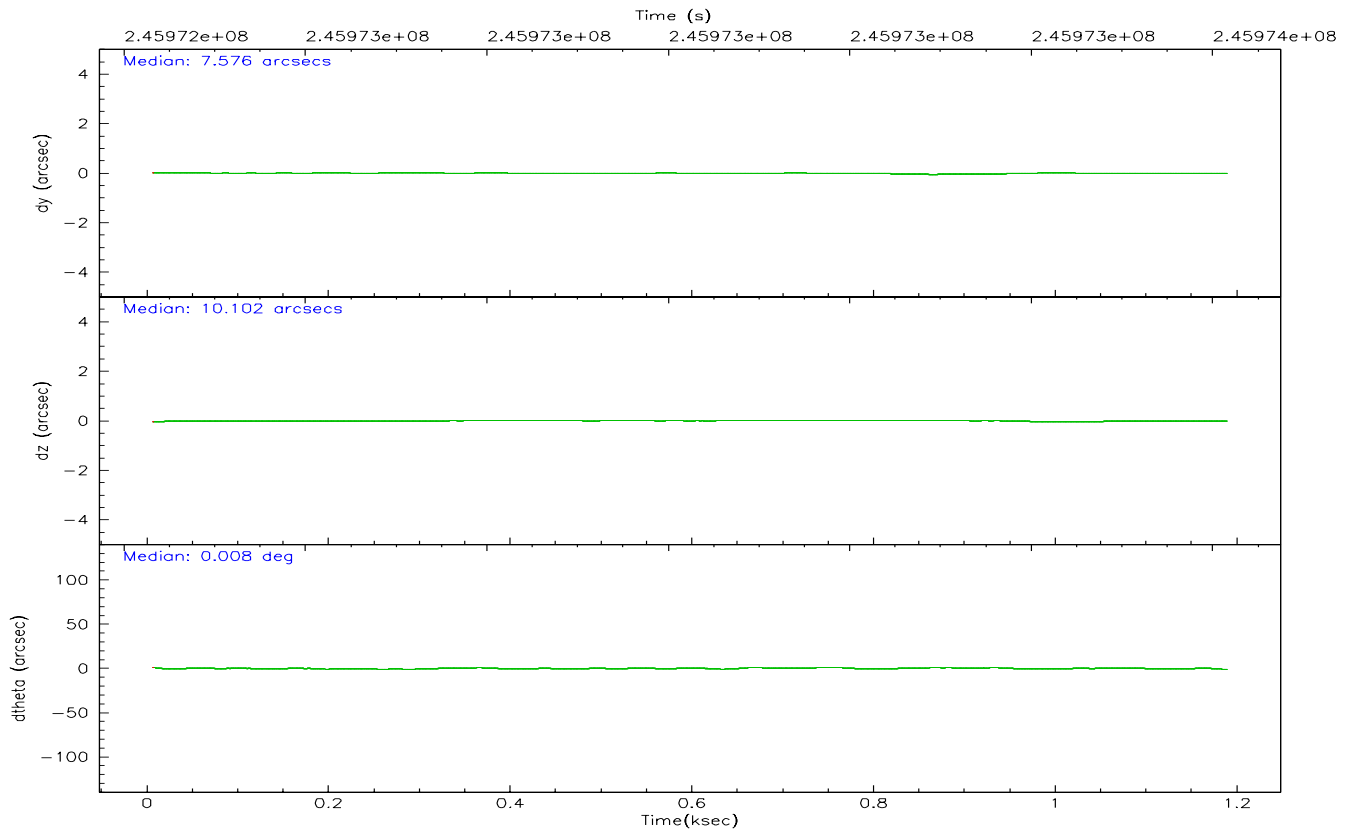
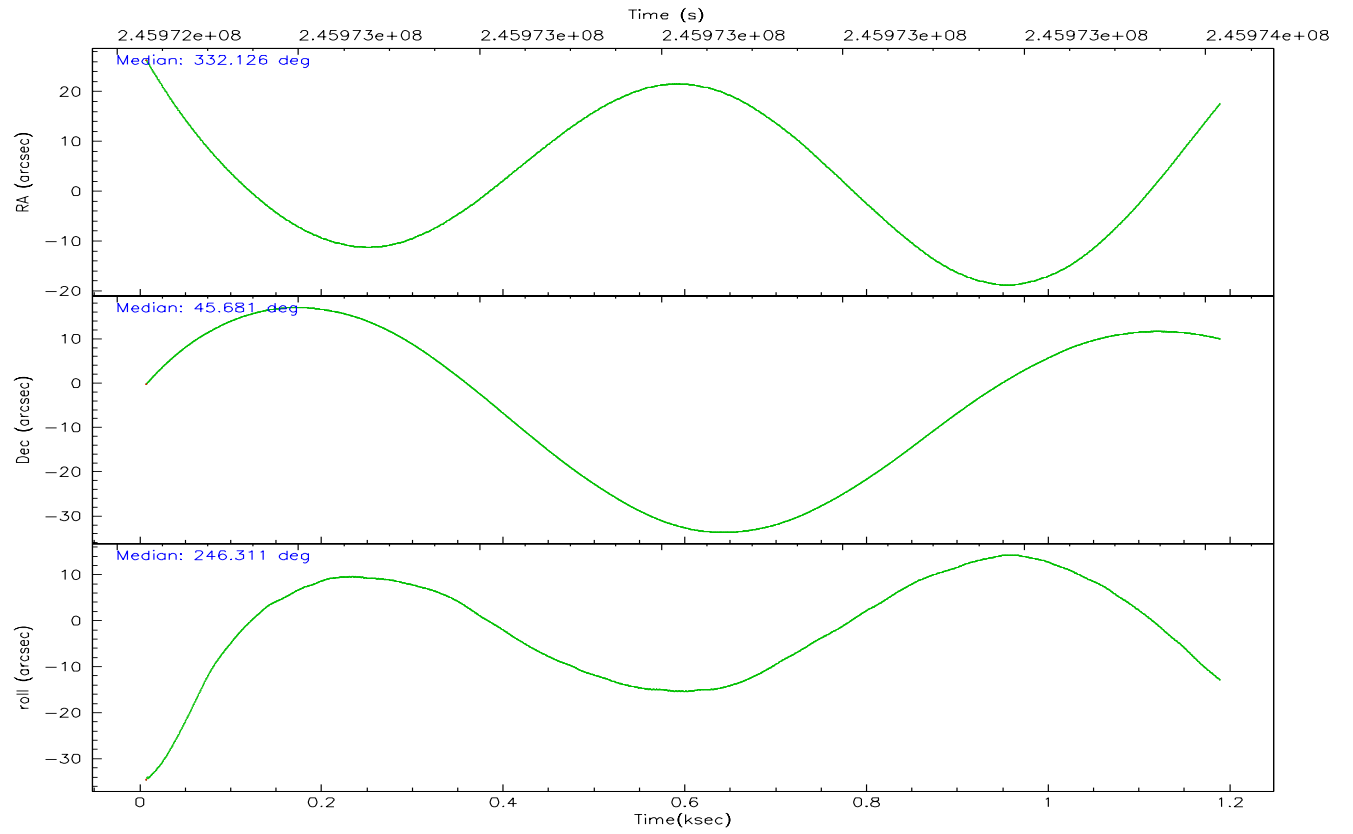
	segment 0
level 1 events	131012
rejected events	58945
rejected %	44%

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	332.122287	332.1263394696987			
Pointing Dec	45.705205	45.67912196011805			
Pointing Roll	246.414319	246.3158019665877			
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	245972621.184000	245971576.19118			
Observation start date	2005-10-17T21:42:37	2005-10-17T21:26:16			
Observation end time	245973621.184000	245973755.34128			
Observation end date	2005-10-17T21:59:17	2005-10-17T22:02:35			

2.3 Aspect



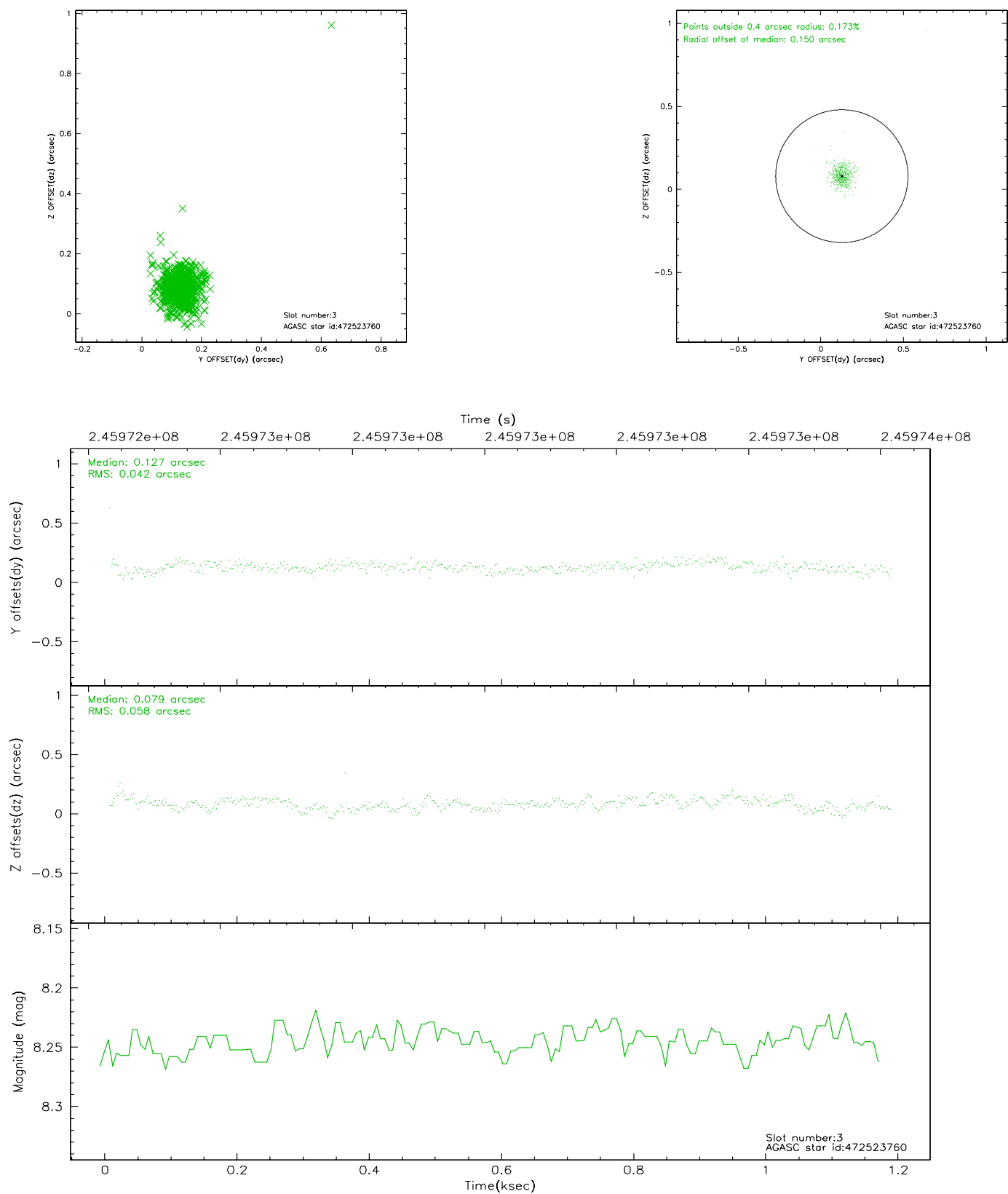


Slot Statistics

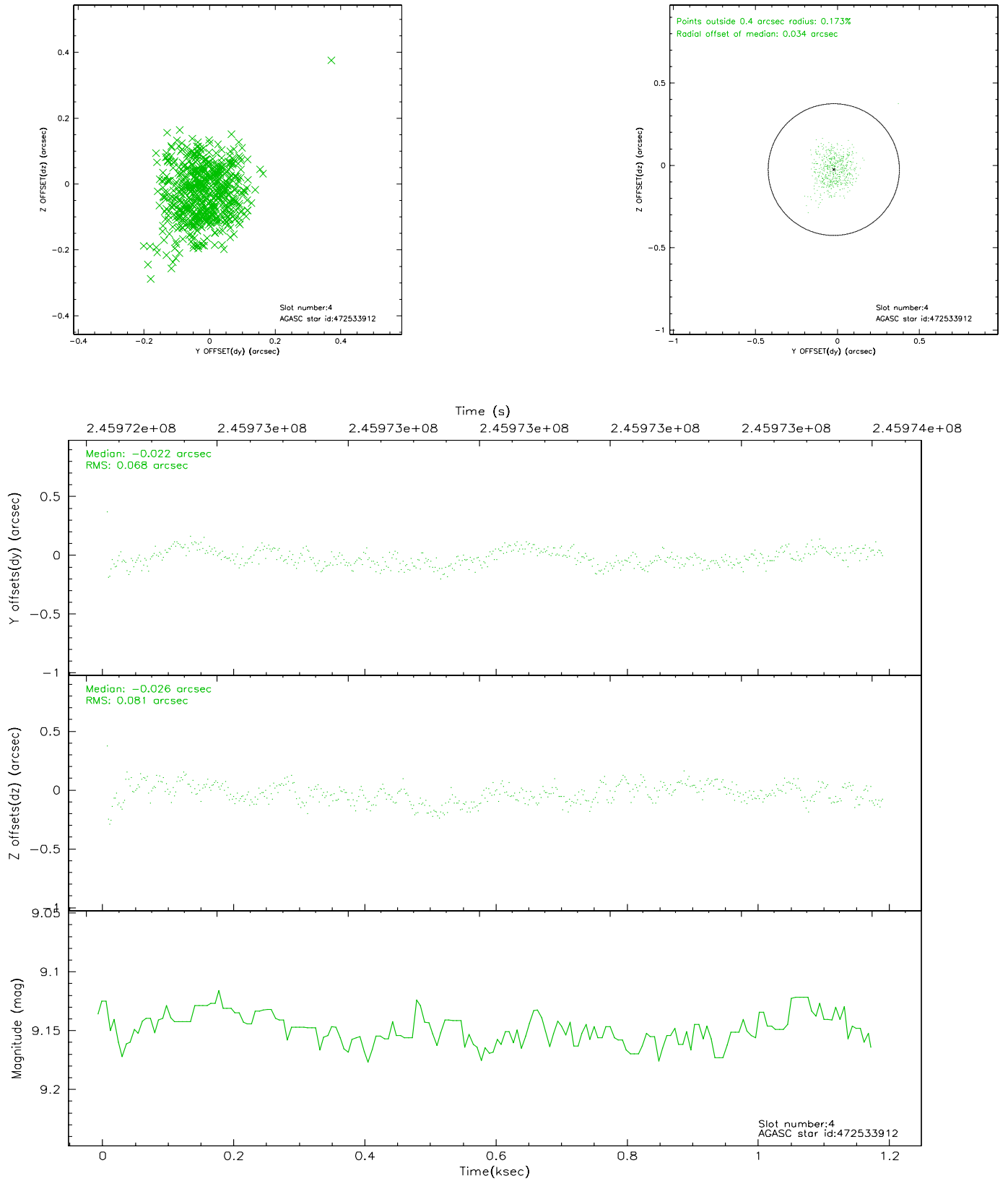
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	289	-0.038	0.017	0.007	0.012	0.000000	0.000000	-763.19	-1298.03
1	FID	HRC-I-2	7.05	289	0.143	-0.070	0.006	0.009	0.000000	0.000000	846.98	-1304.15
2	FID	HRC-I-3	7.11	289	0.014	-0.037	0.006	0.010	0.000000	0.000000	-1188.72	1001.97
3	GUIDE	472523760	8.25	577	0.127	0.079	0.059	0.100	331.645363	45.403260	1477.21	-667.13
4	GUIDE	472533912	9.15	578	-0.022	-0.026	0.110	0.170	331.791136	46.368695	-1857.11	-1707.68
5	GUIDE	472655152	9.42	578	0.035	0.007	0.112	0.178	332.504239	45.862991	-907.30	650.39
6	GUIDE	472535576	7.85	573	-0.157	0.057	0.061	0.101	331.438373	46.291802	-1261.34	-2401.99
7	GUIDE	472665256	9.02	577	0.013	-0.110	0.076	0.134	332.808125	46.195041	-2307.25	857.35

2.4 Star Slots

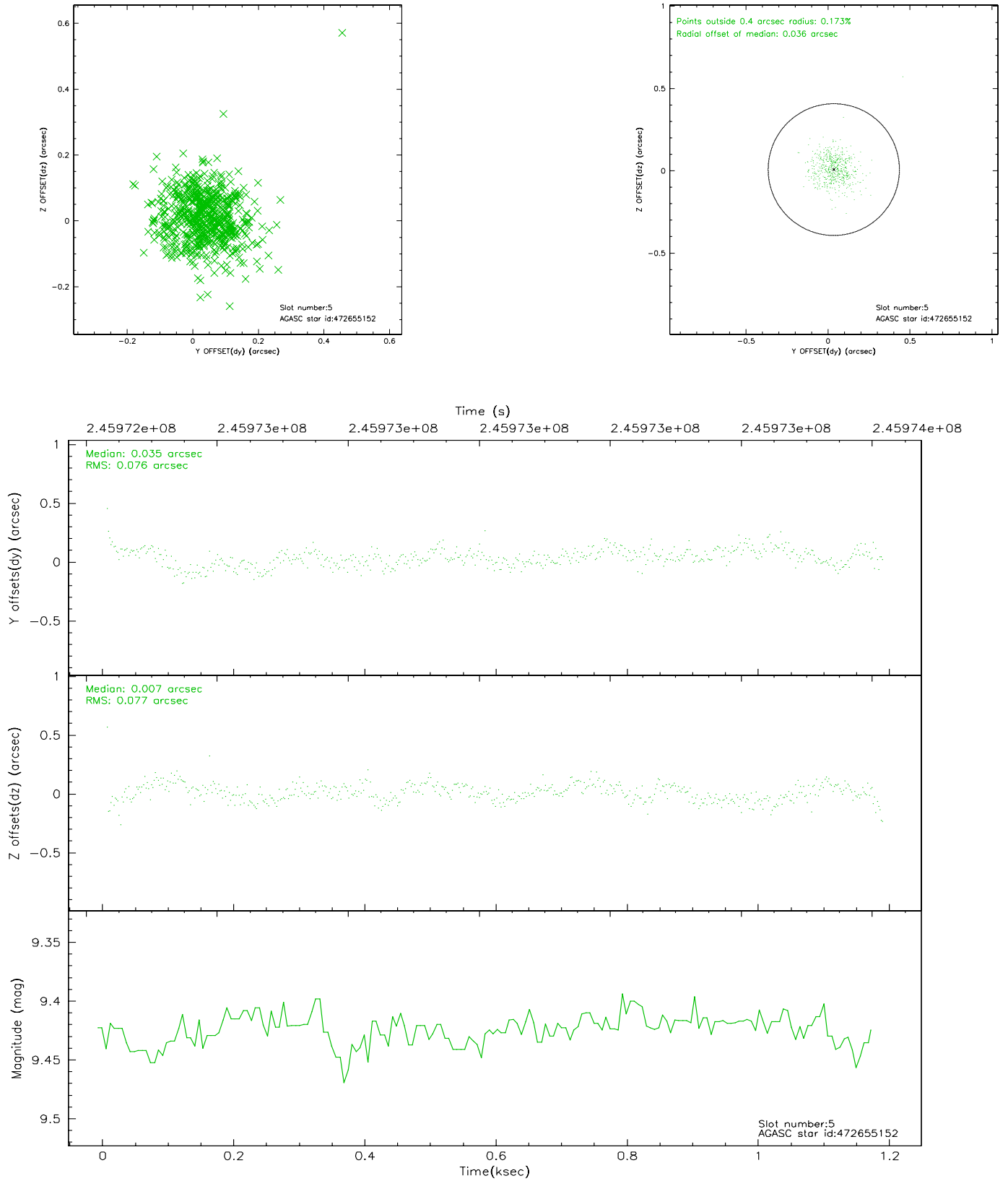
2.4.1 Slot 3



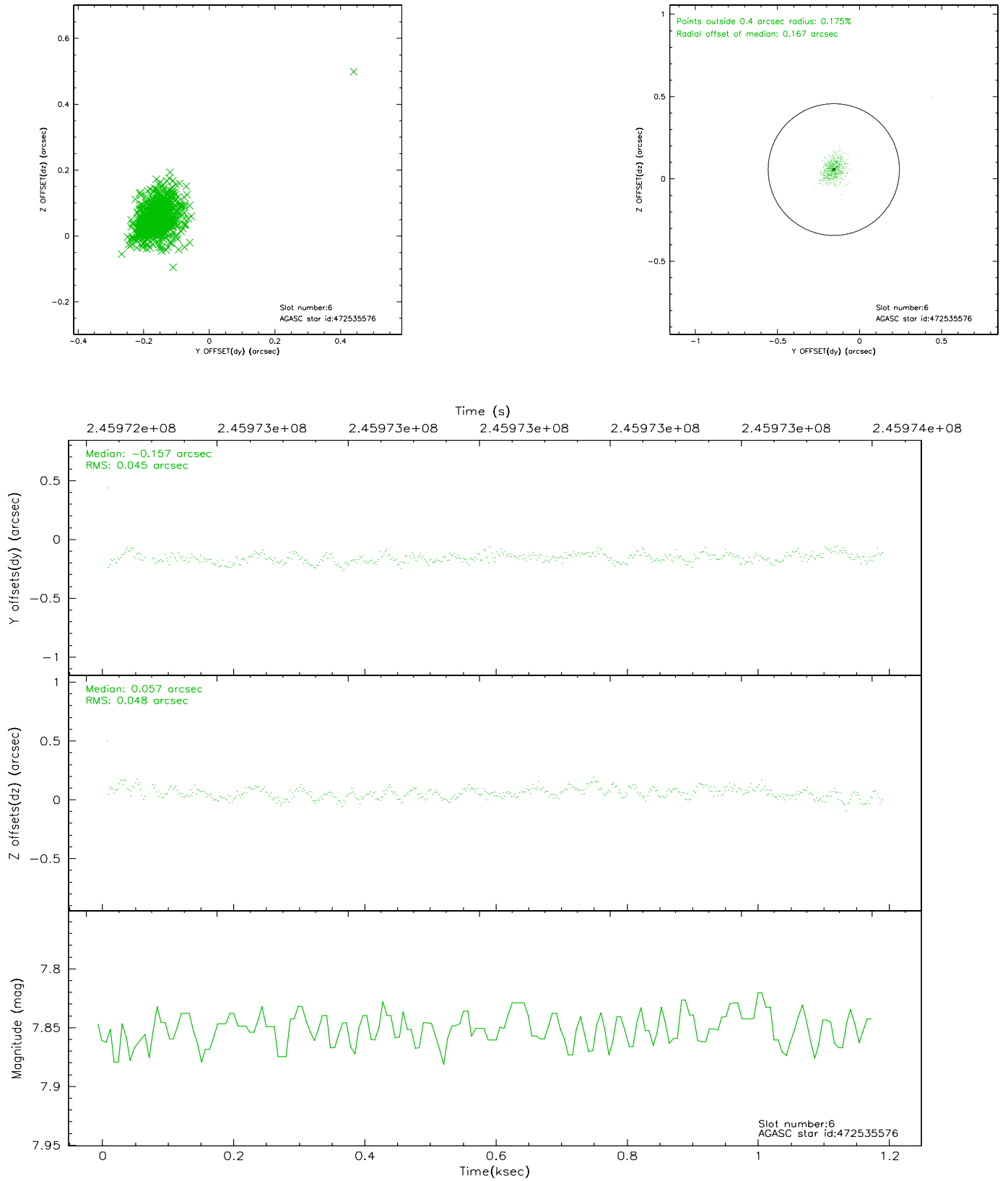
2.4.2 Slot 4



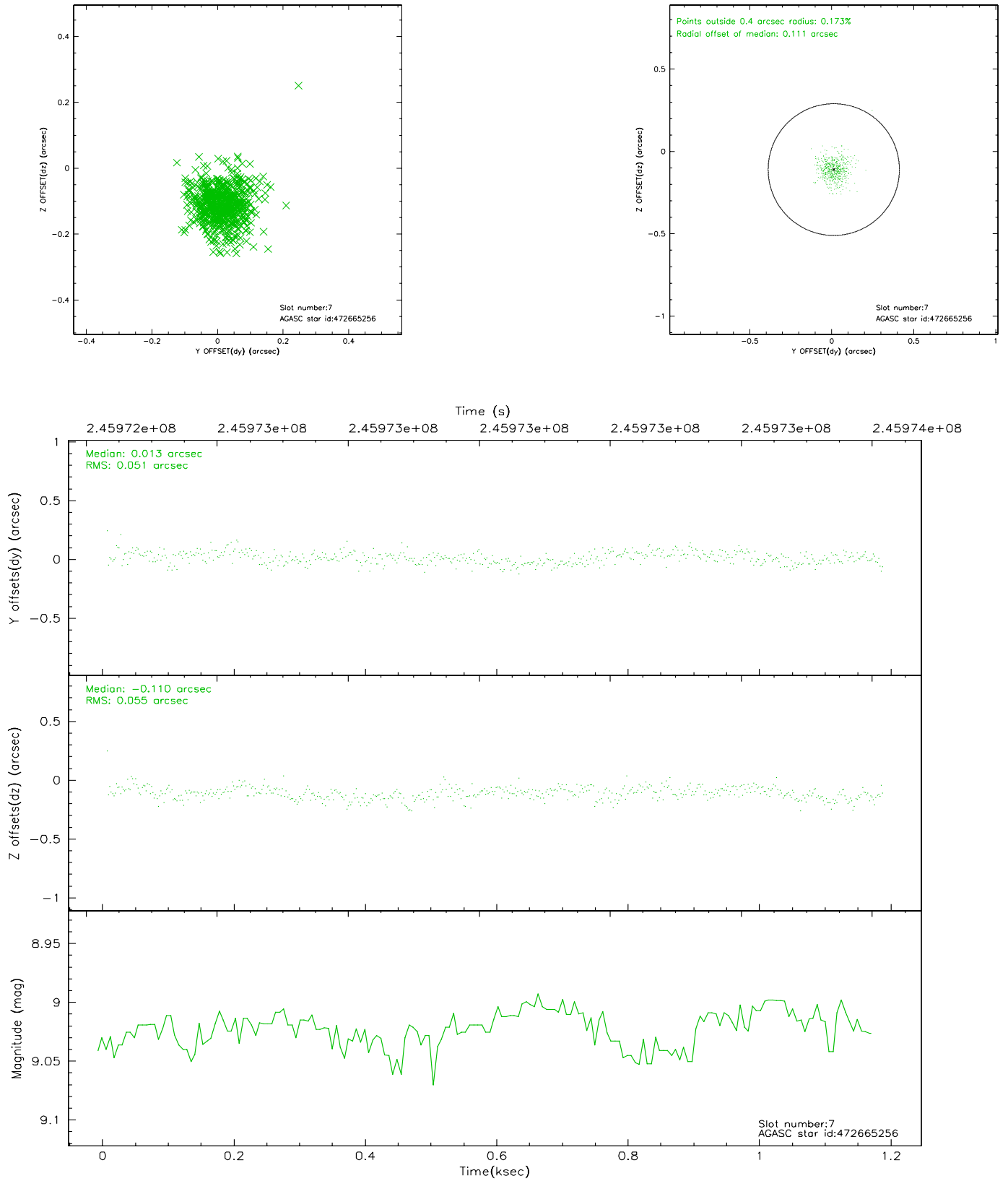
2.4.3 Slot 5



2.4.4 Slot 6

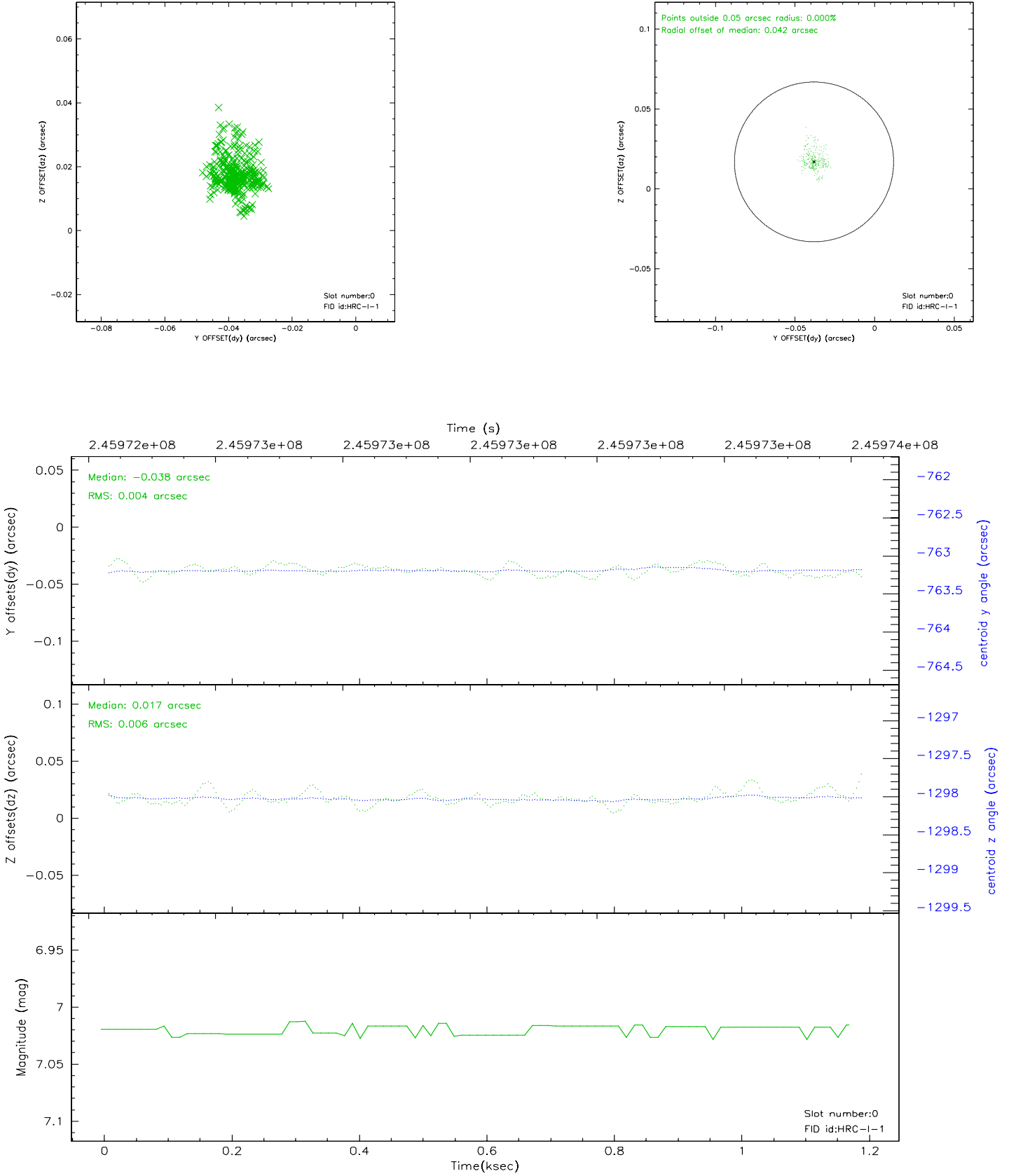


2.4.5 Slot 7

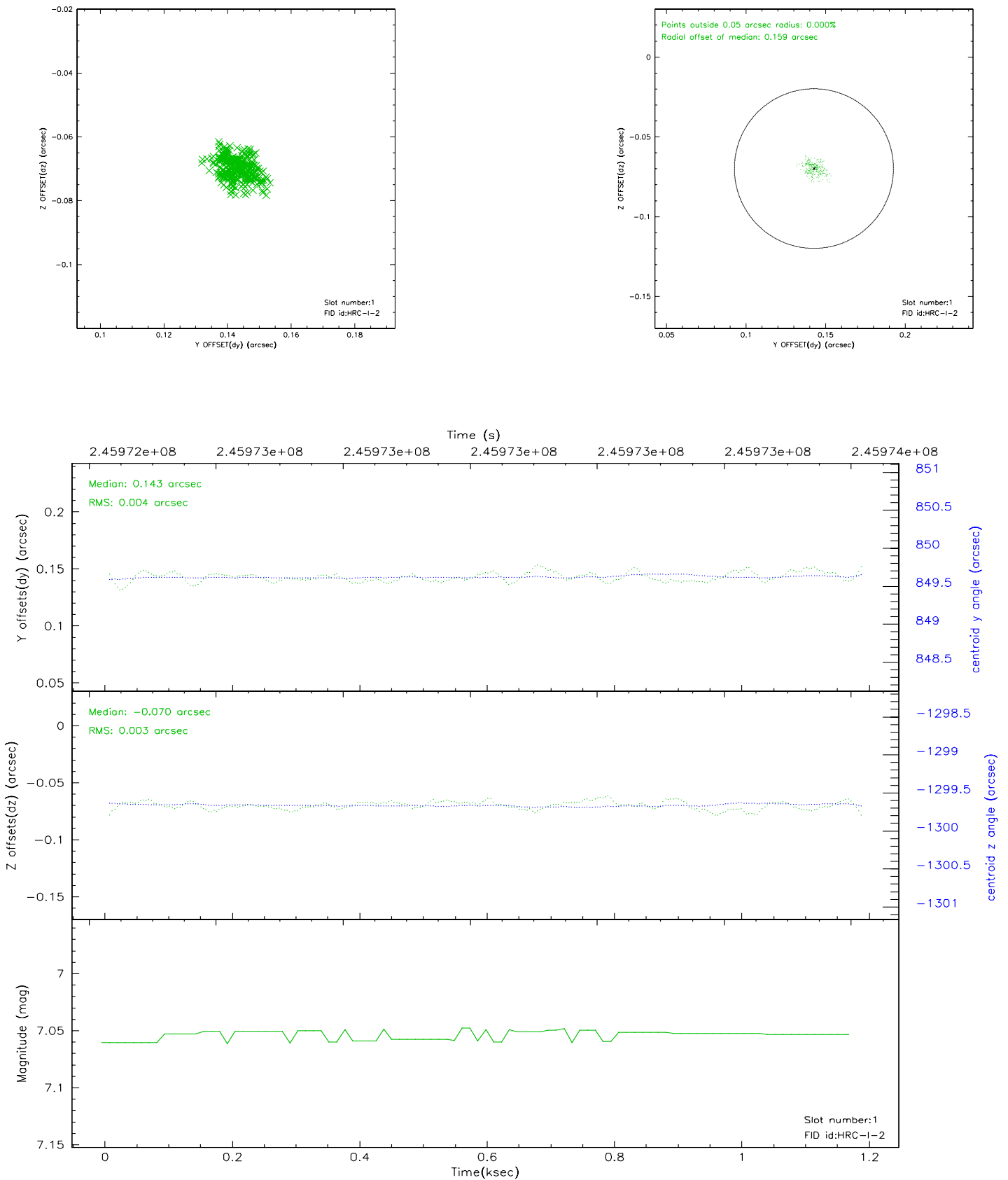


2.5 FID Slots

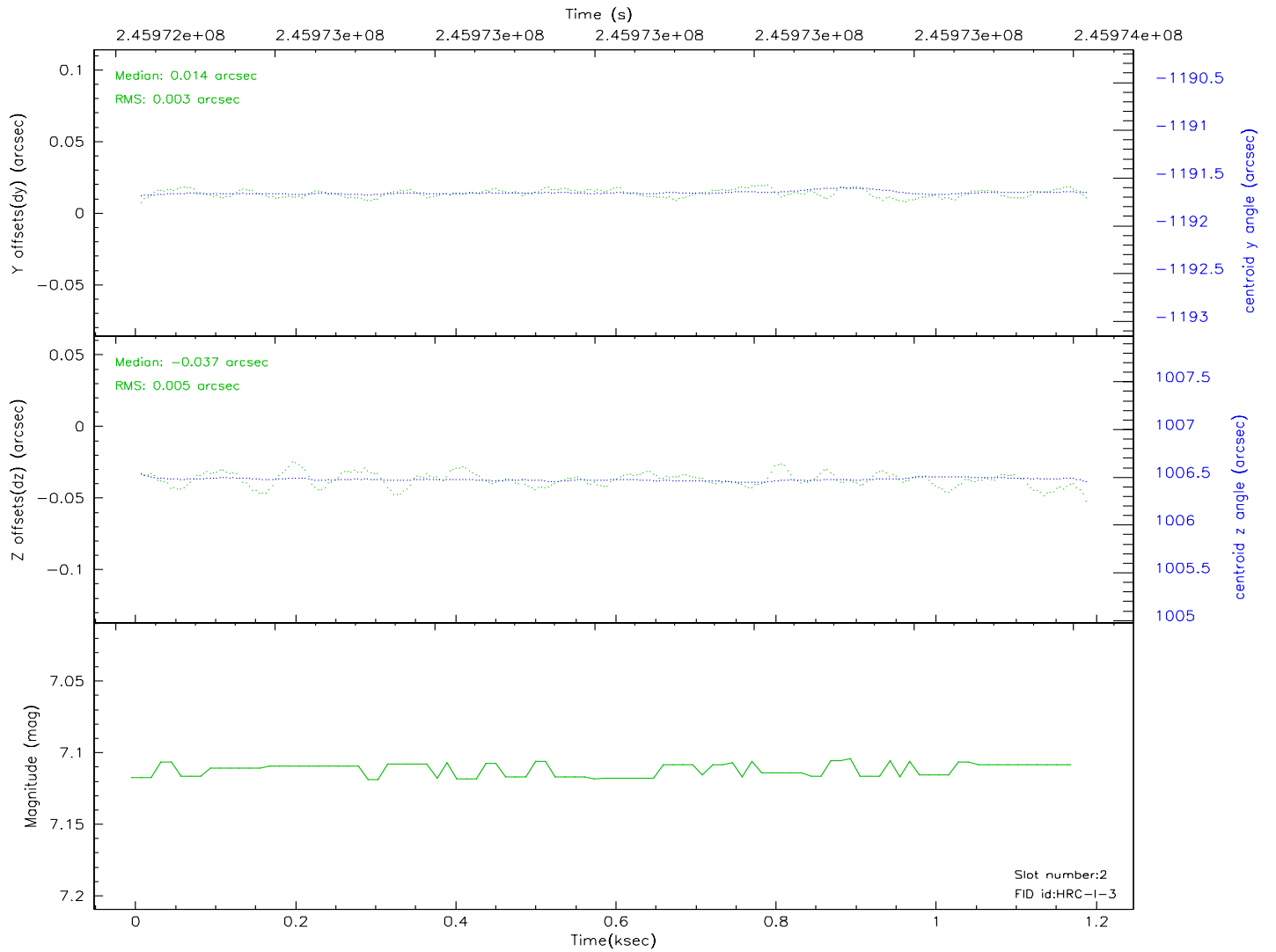
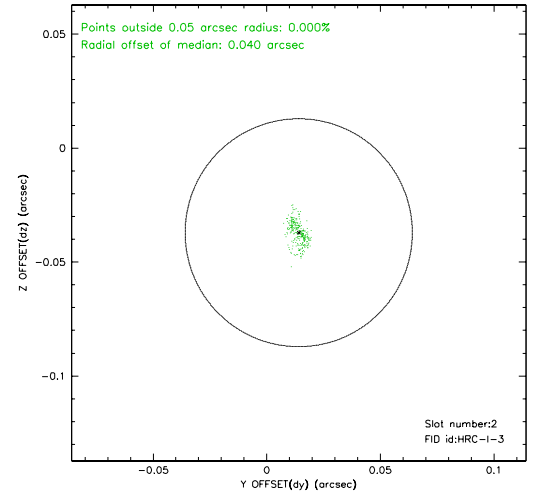
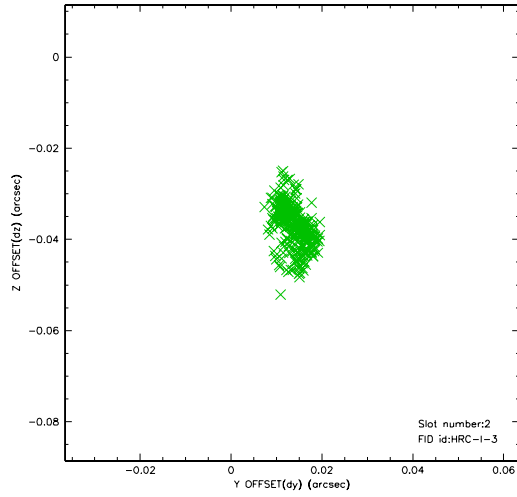
2.5.1 Slot 0



2.5.2 Slot 1

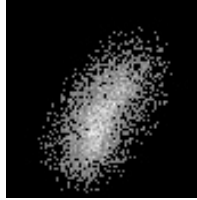


2.5.3 Slot 2



3 Point Sources

4.21 arcmin



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	1.182081

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.