

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5990 - L2 Version 3
Chandra X-Ray Center

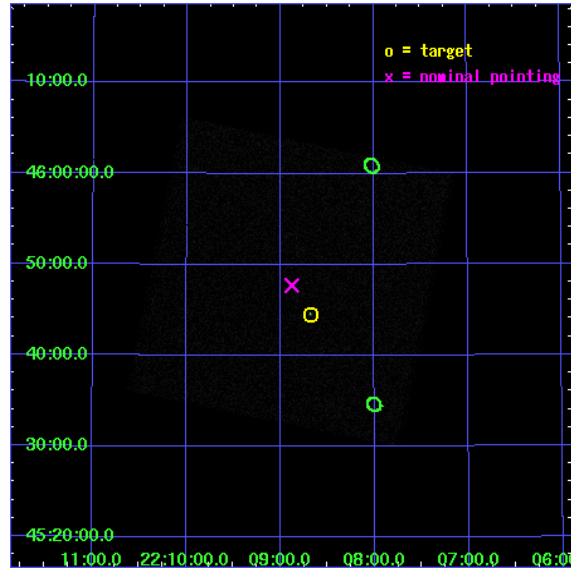
L2 Processing Date : Nov 24 2007

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

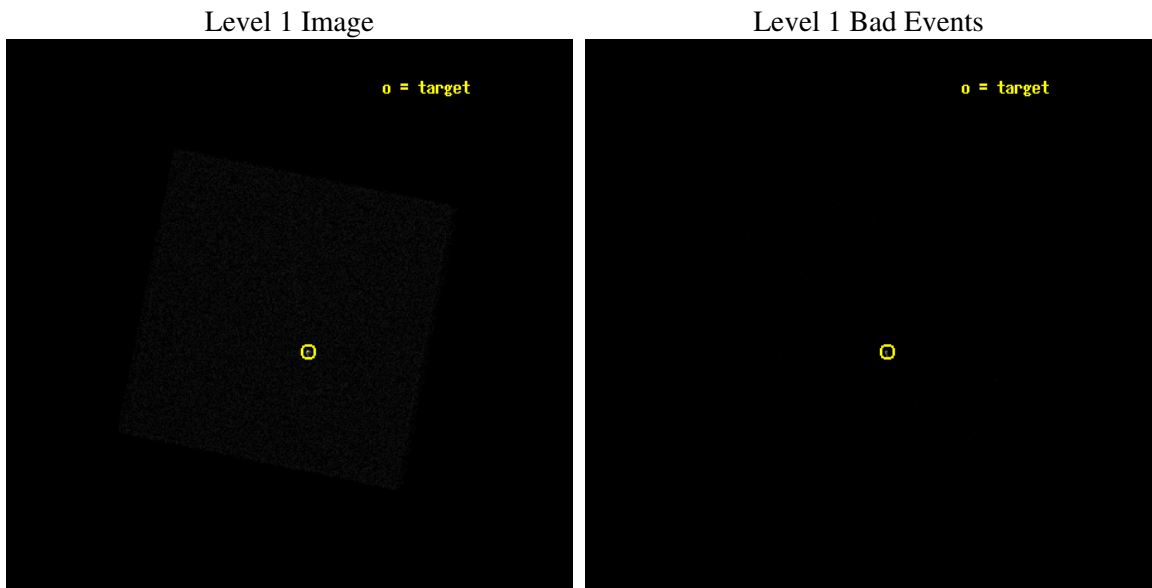
seq_num	290482
obs_id	5990
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.21919097252
dec_nom	45.795205304919
roll_nom	236.55721376811
revision	3
ontime	1144.9250527322
livetime	1134.9793313755
l2events	56345



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	2007-11-24T17:49:21
revision	3

sched_exp_time	1000.000000
ontime	1144.9250527322
l1events	188297

2.1.3 Events

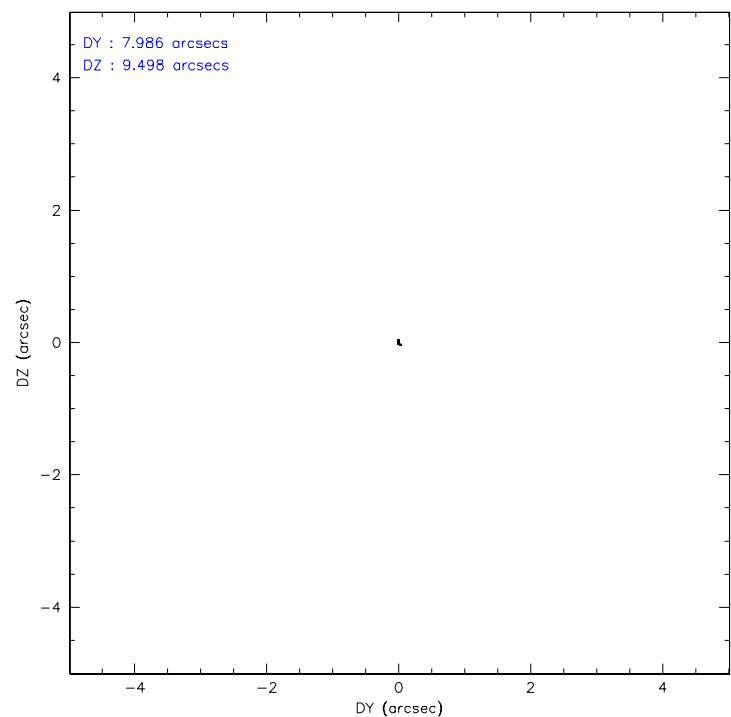
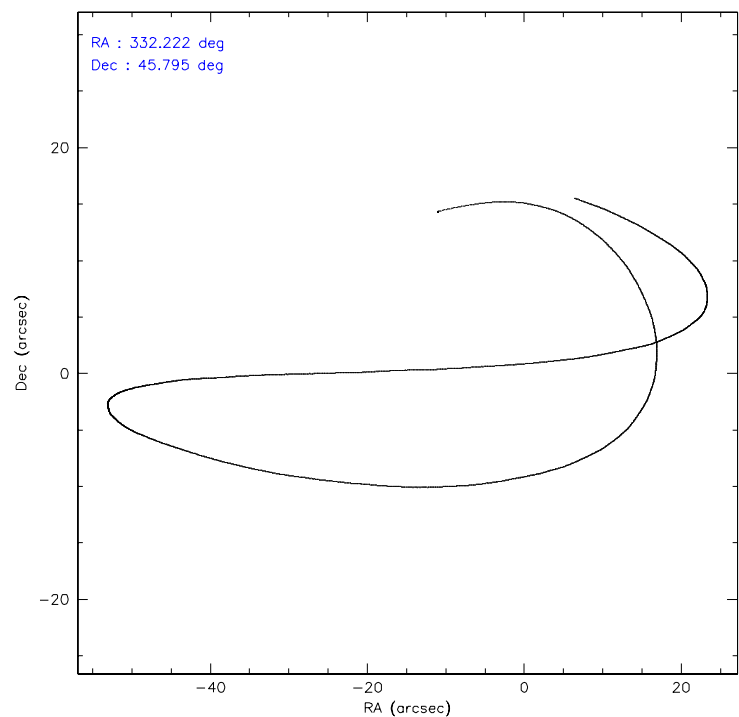
Level 1 Events

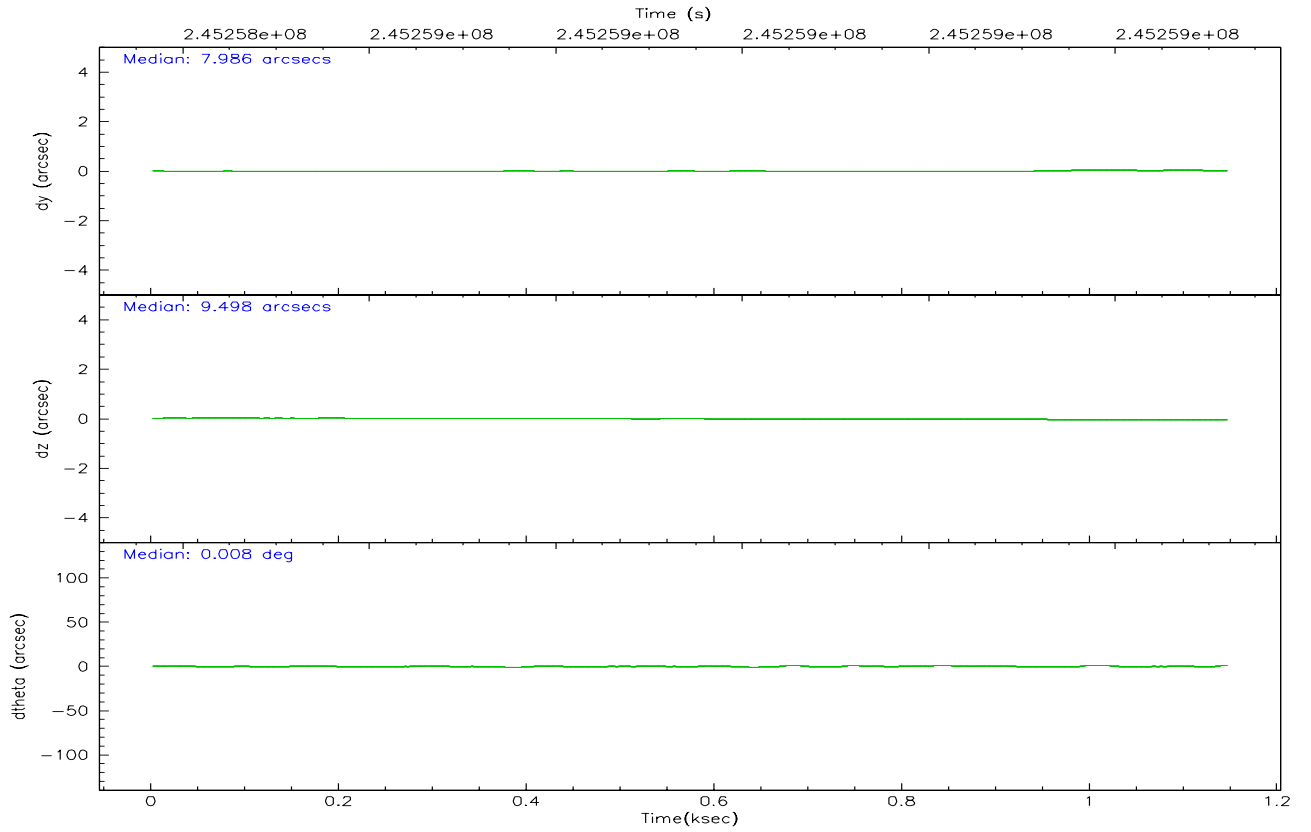
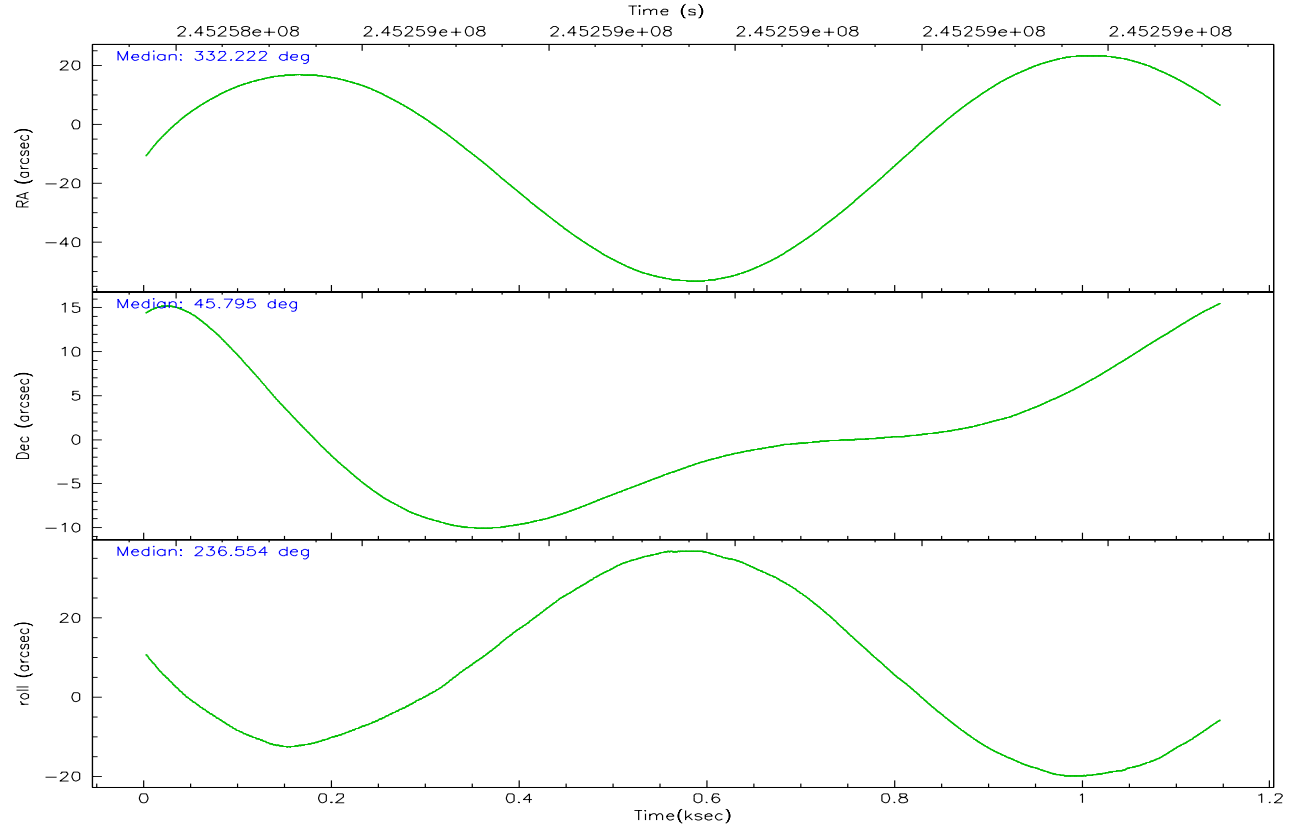
	segment 0
level 1 events	188297
rejected events	108839
rejected %	57%

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	332.218995	332.2191909725183			
Pointing Dec	45.822767	45.79520530491919			
Pointing Roll	236.652807	236.5572137681055			
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	245258516.184000	245256877.99577			
Observation start date	2005-10-09T15:20:52	2005-10-09T14:54:37			
Observation end time	245259516.184000	245259650.1084			
Observation end date	2005-10-09T15:37:32	2005-10-09T15:40:50			

2.3 Aspect



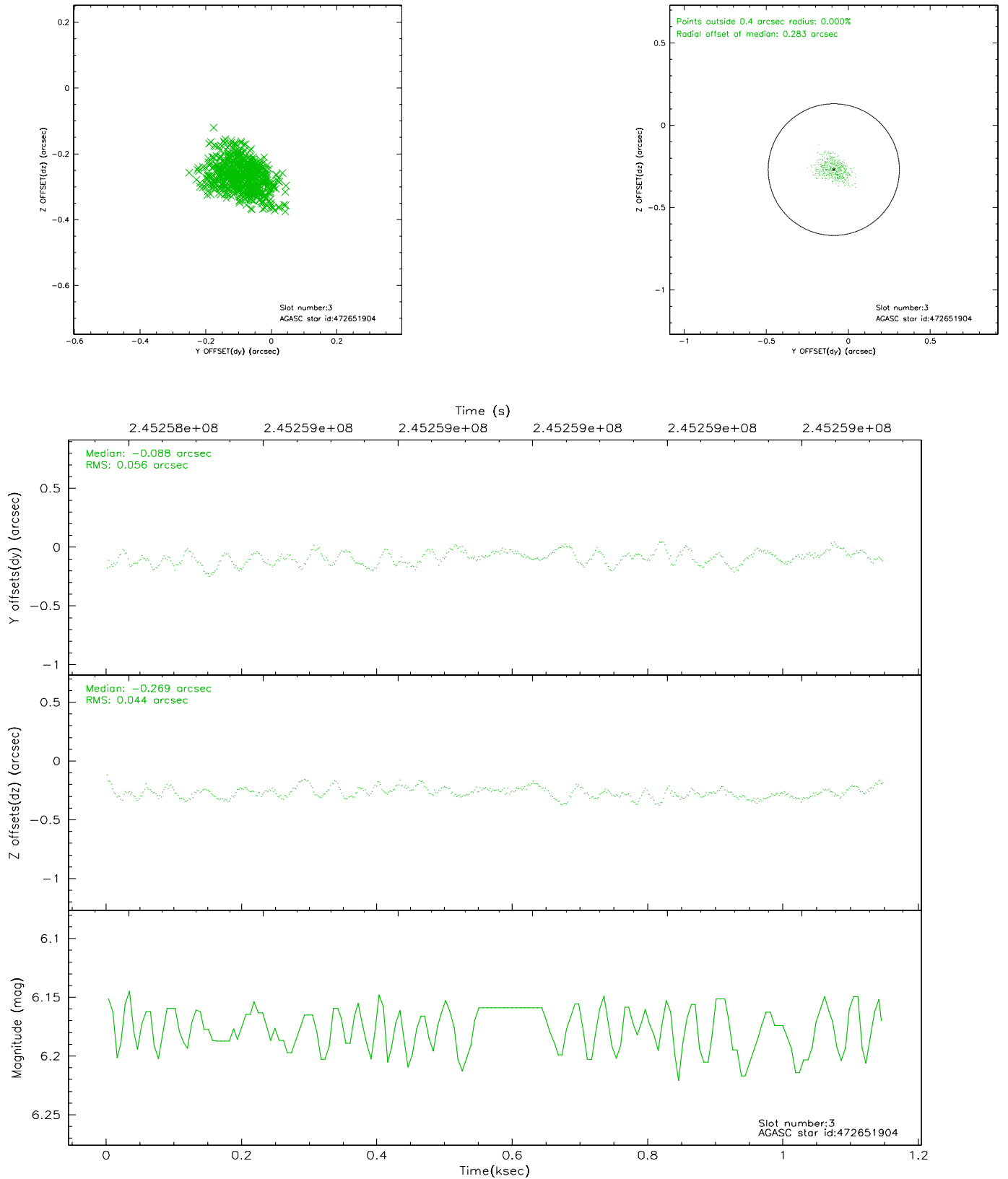


Slot Statistics

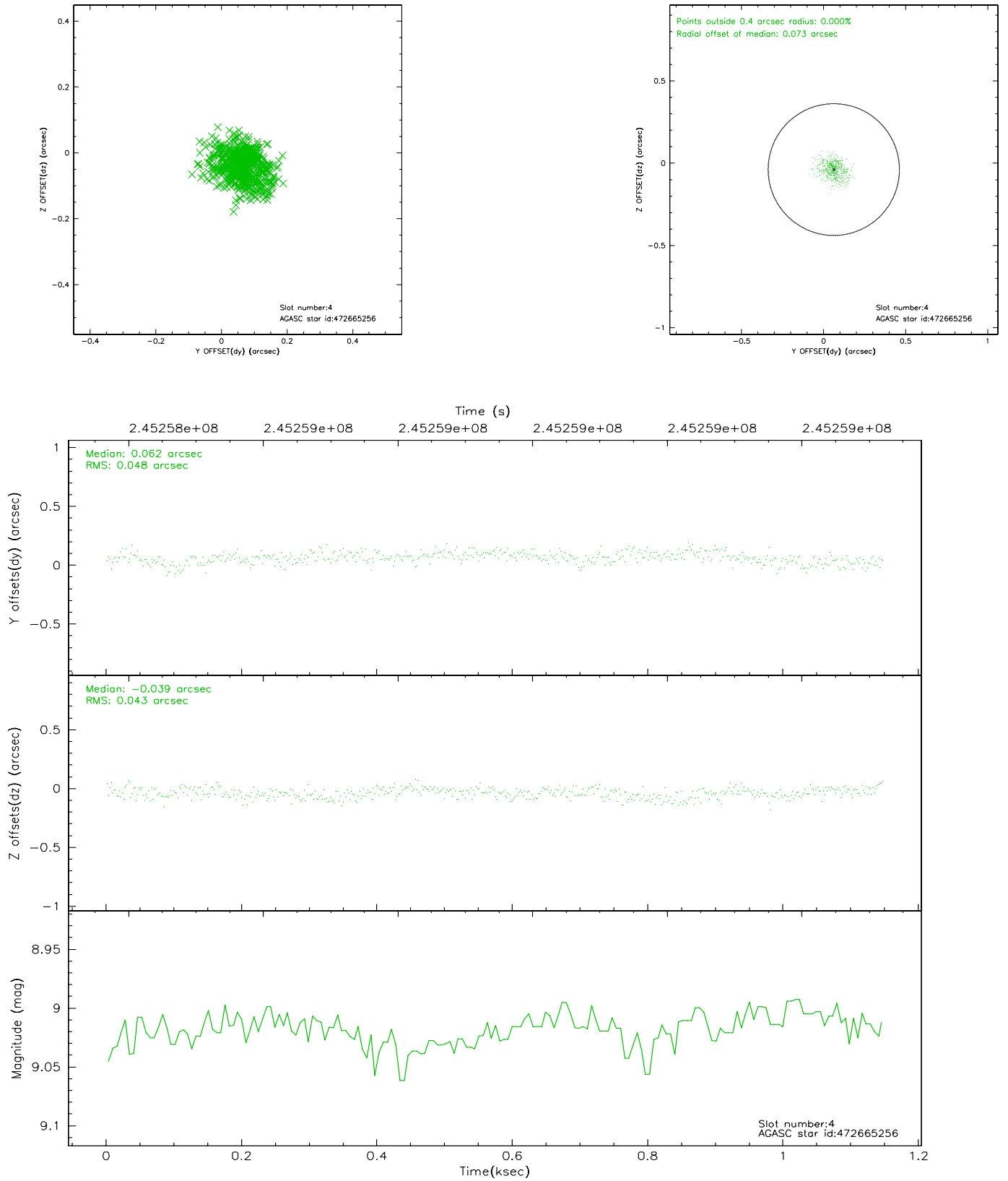
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	280	-0.027	0.053	0.008	0.012	0.000000	0.000000	-763.62	-1297.42
1	FID	HRC-I-2	7.02	280	0.133	-0.077	0.006	0.013	0.000000	0.000000	846.44	-1303.74
2	FID	HRC-I-3	7.08	280	0.014	-0.065	0.007	0.013	0.000000	0.000000	-1189.05	1002.37
3	GUIDE	472651904	6.18	560	-0.088	-0.269	0.075	0.122	332.170077	45.742257	310.59	51.83
4	GUIDE	472665256	9.02	560	0.062	-0.039	0.067	0.114	332.808125	46.195041	-1929.38	482.52
5	GUIDE	472523760	8.26	560	0.019	0.167	0.059	0.098	331.645363	45.403260	2052.02	-386.95
6	GUIDE	472533912	9.15	560	-0.077	0.089	0.103	0.169	331.791136	46.368695	-1055.16	-1974.59
7	GUIDE	472655152	9.43	559	0.096	0.052	0.110	0.182	332.504239	45.862991	-515.84	509.47

2.4 Star Slots

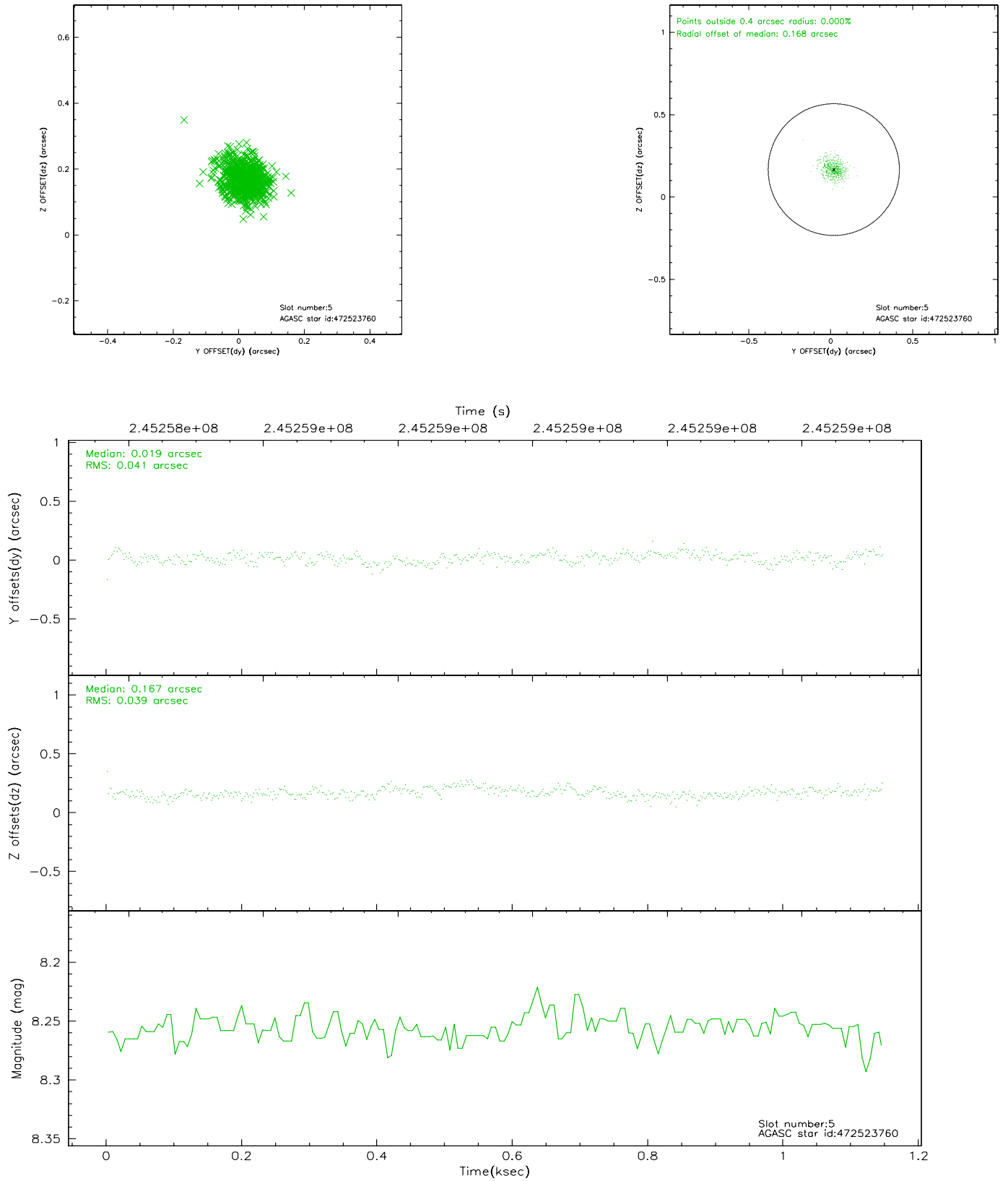
2.4.1 Slot 3



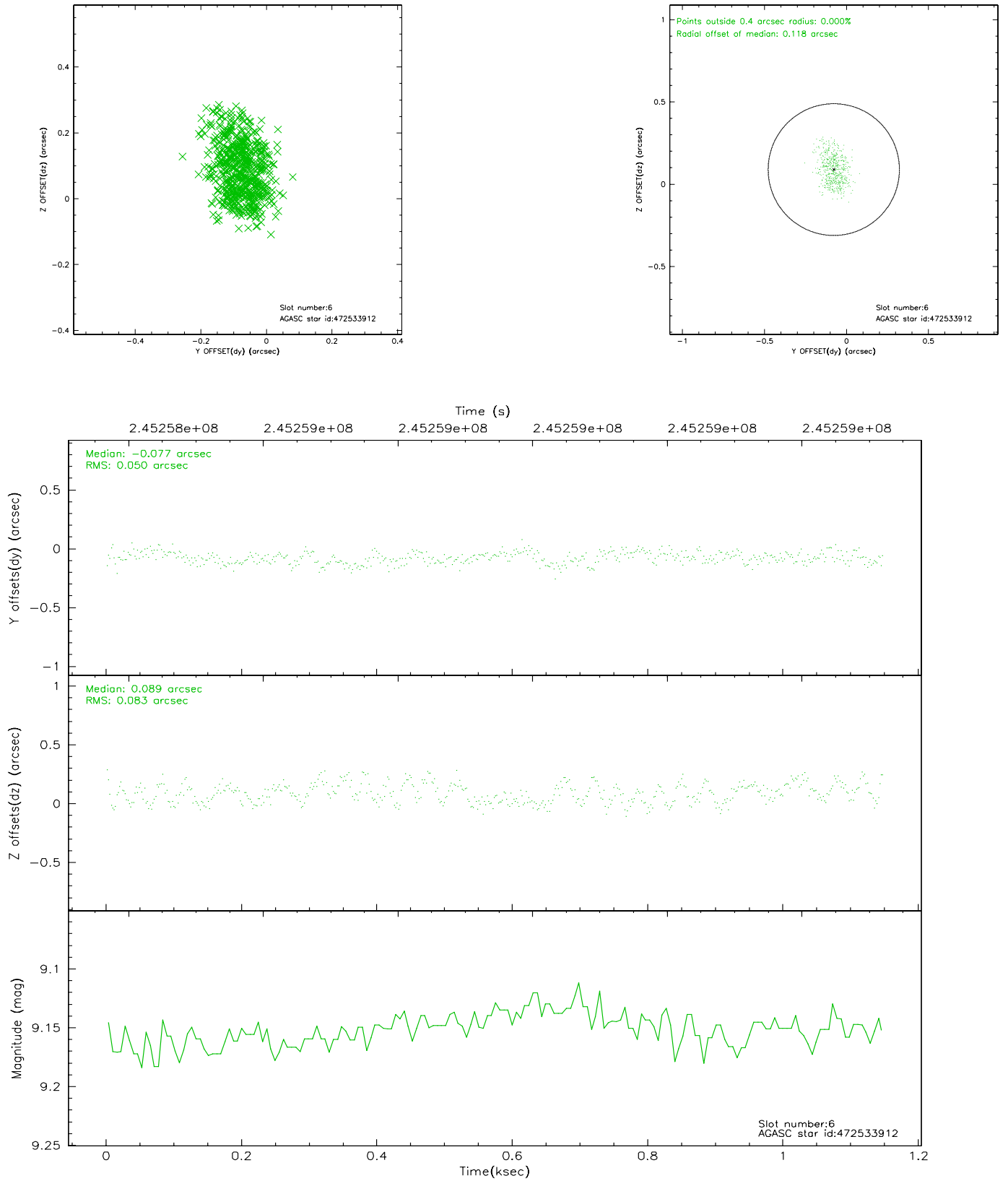
2.4.2 Slot 4



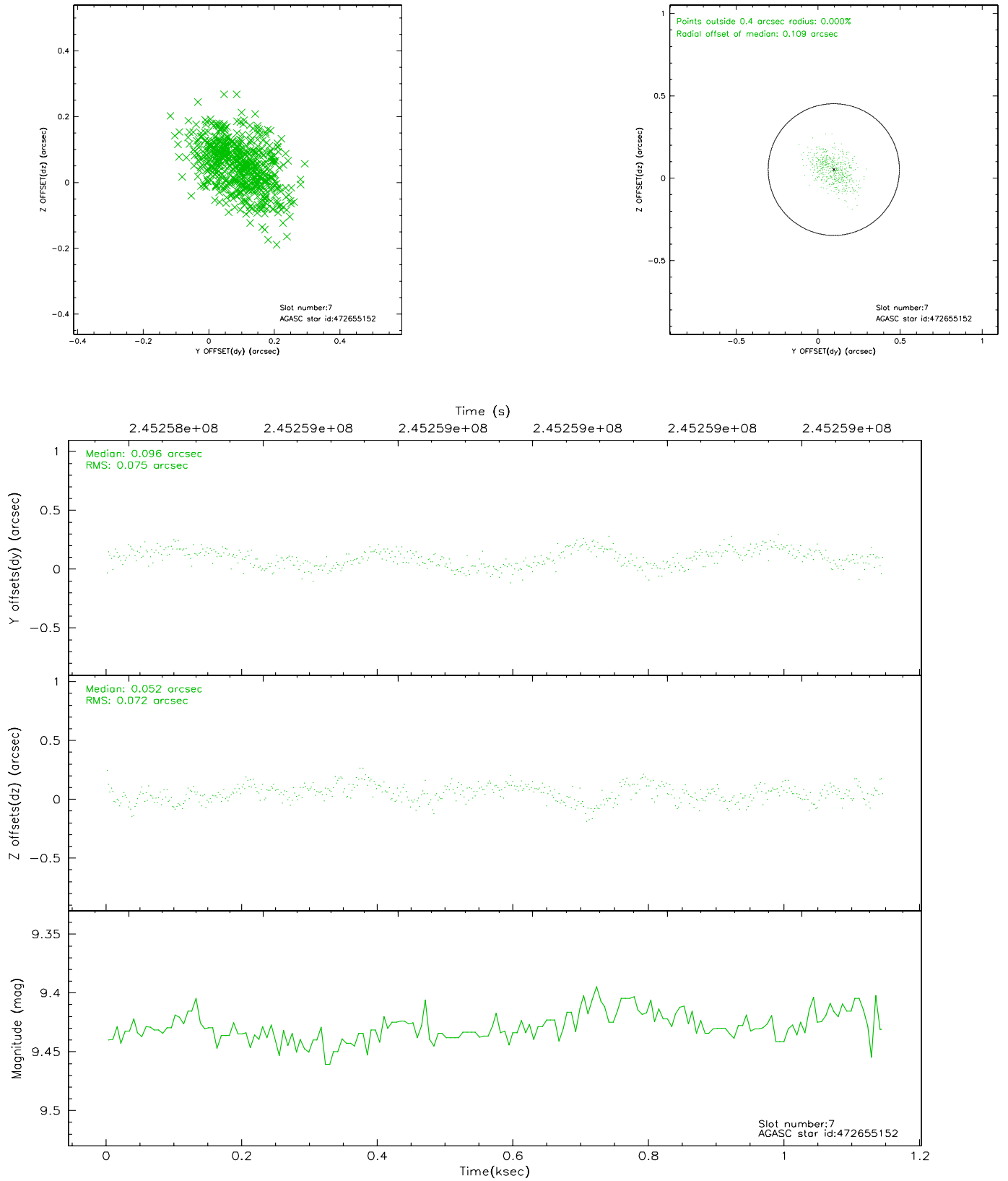
2.4.3 Slot 5



2.4.4 Slot 6

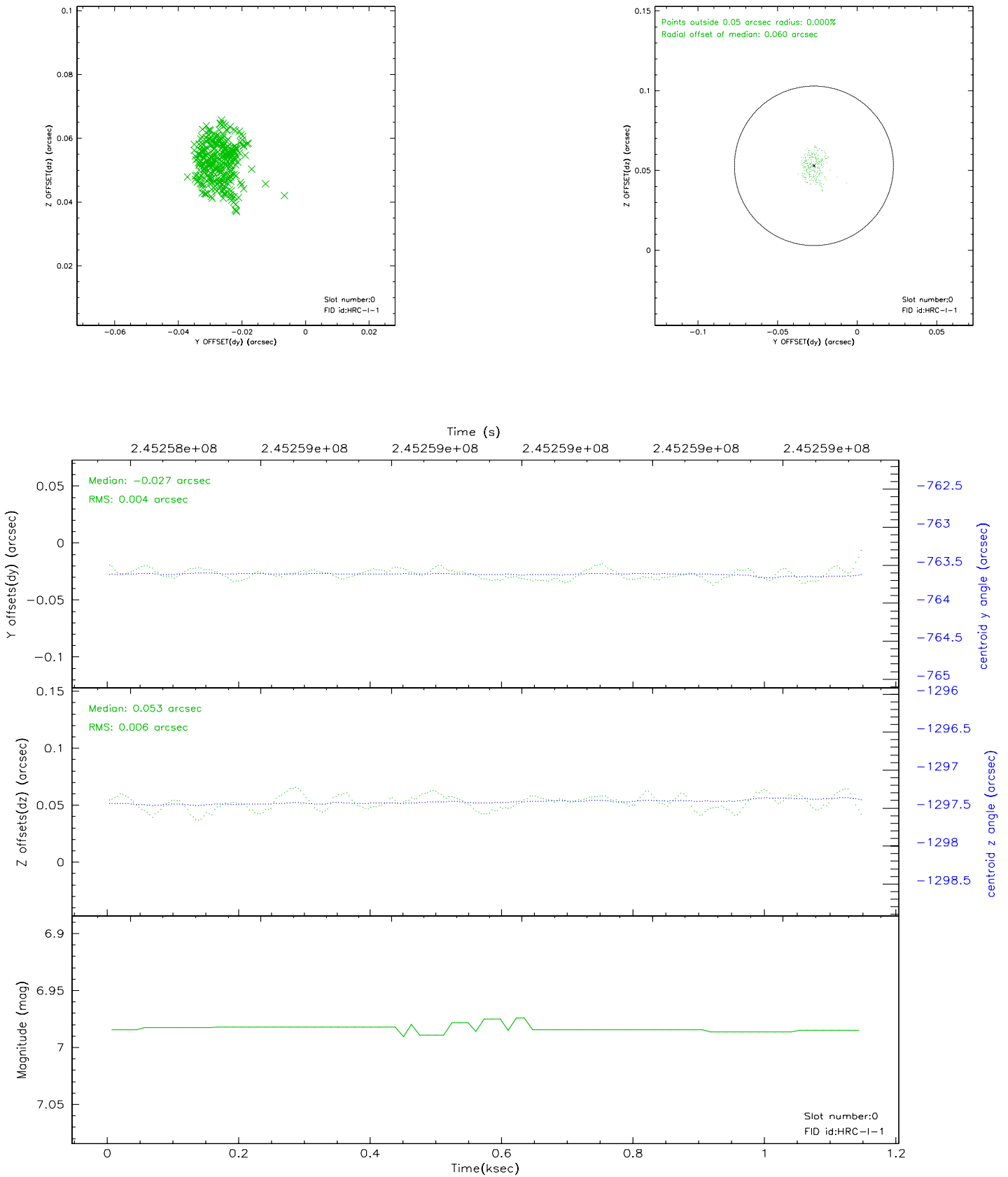


2.4.5 Slot 7

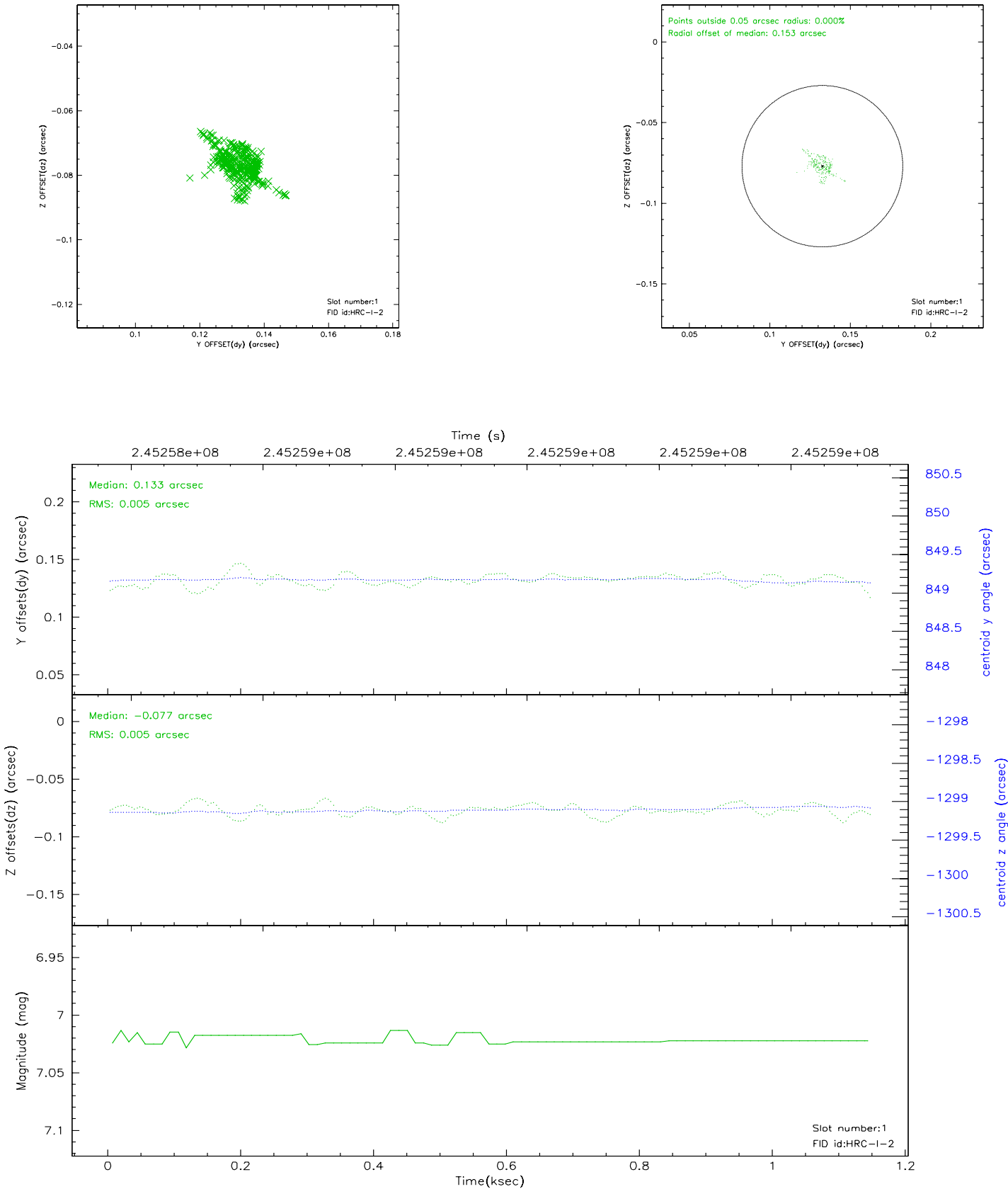


2.5 FID Slots

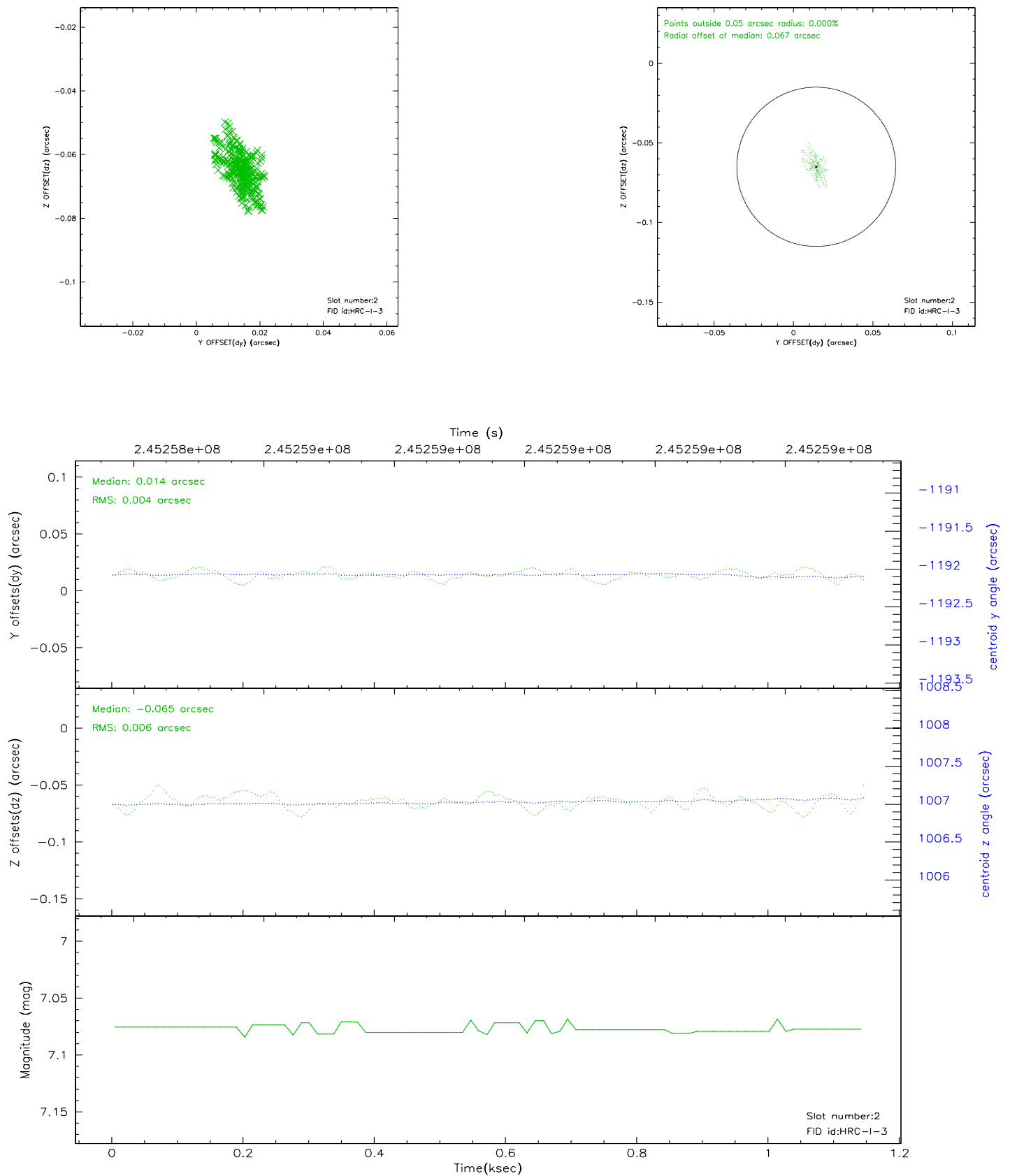
2.5.1 Slot 0



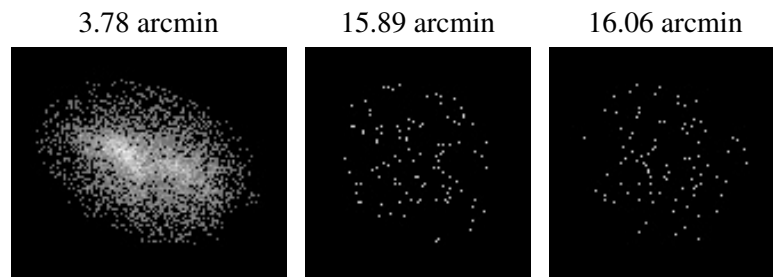
2.5.2 Slot 1



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	1.145181

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.