

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4293 - L2 Version 3
Chandra X-Ray Center

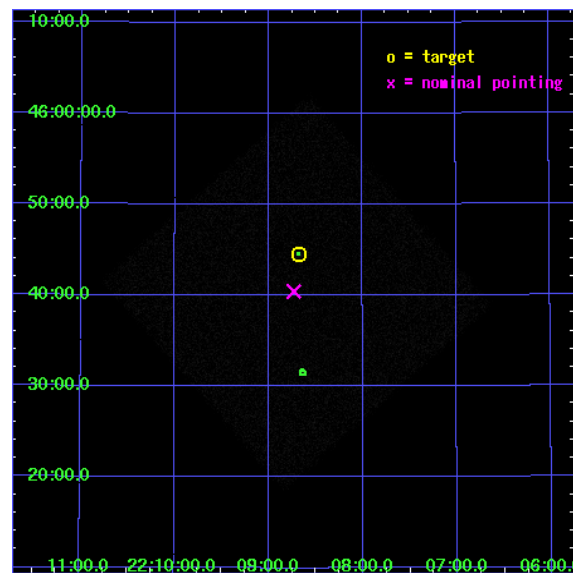
L2 Processing Date : Nov 21 2007

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1 Front

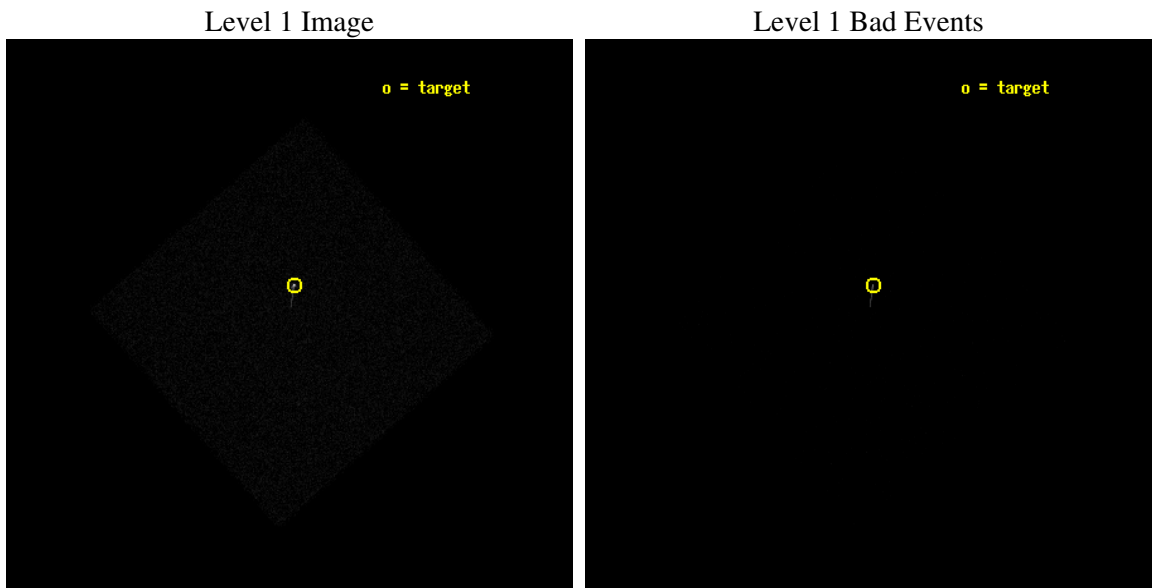
seq_num	290253
obs_id	4293
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.18255456598
dec_nom	45.674003544987
roll_nom	3.6291683550224
revision	3
ontime	1190.2813000381
livetime	1182.8866585195
l2events	47160



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	2007-11-22T02:26:01
revision	3

sched_exp_time	1000.000000
ontime	1190.2813000381
l1events	86109

2.1.3 Events

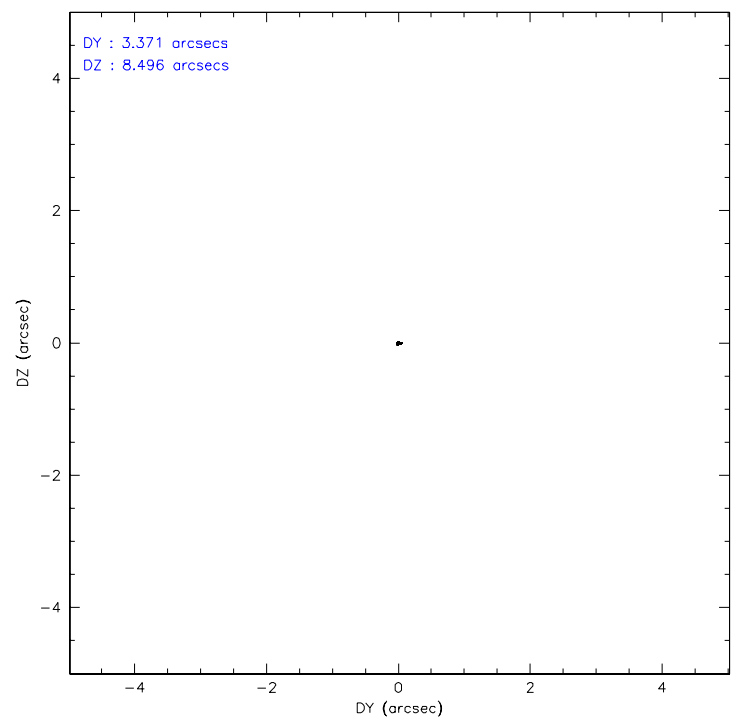
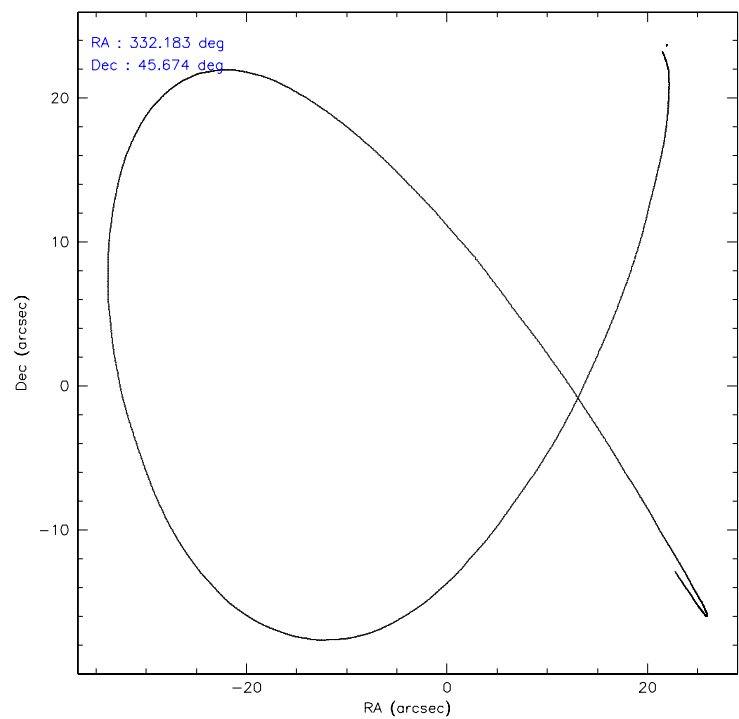
Level 1 Events

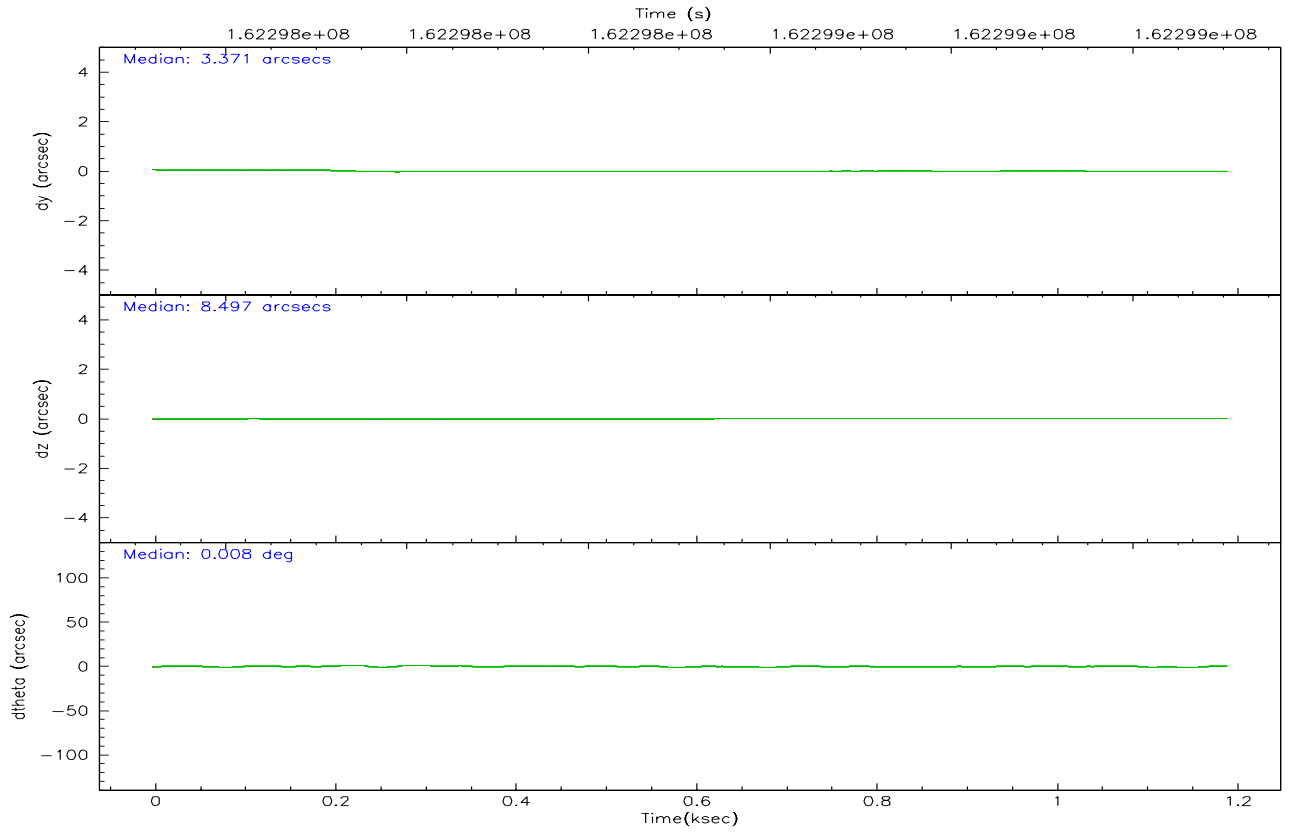
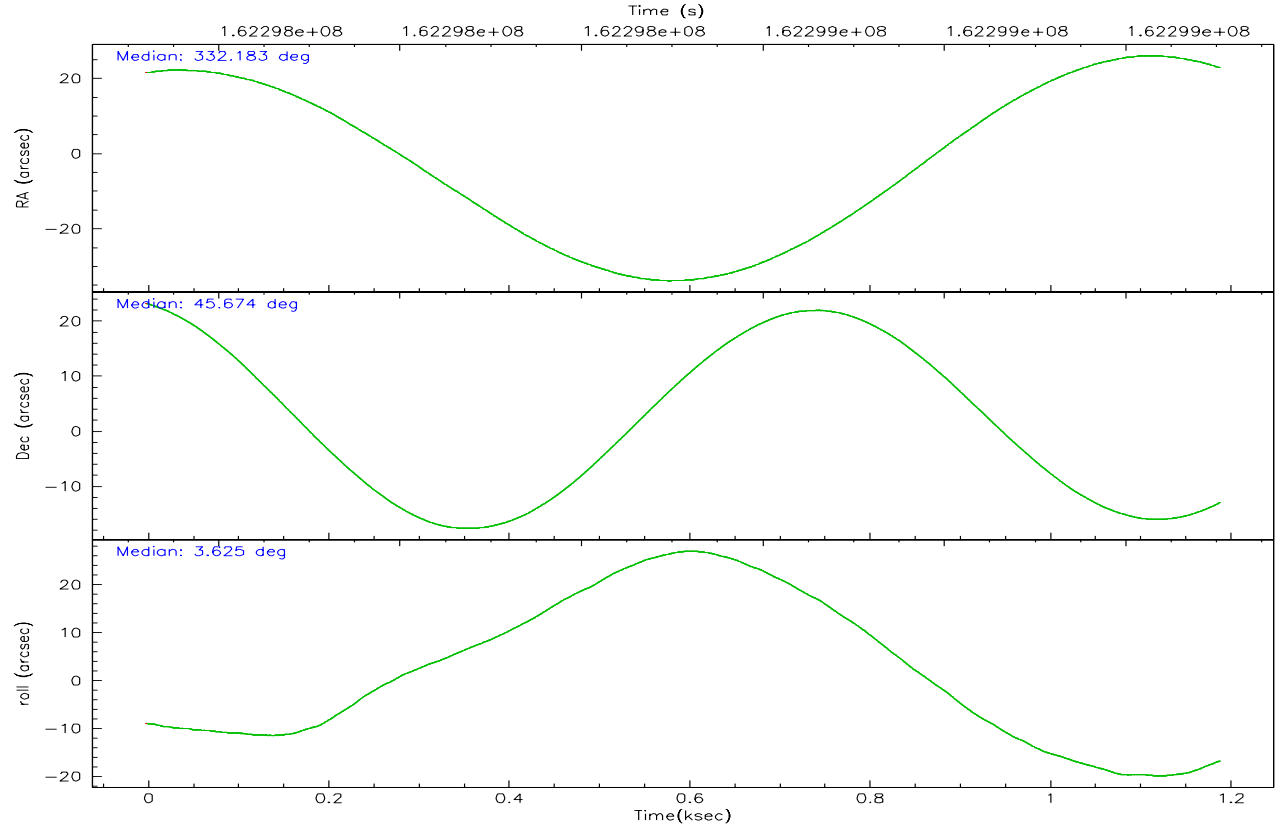
	segment 0
level 1 events	86109
rejected events	20120
rejected %	23%

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	332.150071	332.1825545659826			
Pointing Dec	45.658890	45.67400354498723			
Pointing Roll	3.747872	3.629168355022356			
Window start time	161697664.184000	161697664.184000			
Window stop time	165412864.184000	165412864.184000			
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	162298108.184000	162297732.11973			
Observation start date	2003-02-22T10:47:24	2003-02-22T10:42:12			
Observation end time	162299108.184000	162299241.94479			
Observation end date	2003-02-22T11:04:04	2003-02-22T11:07:21			

2.3 Aspect



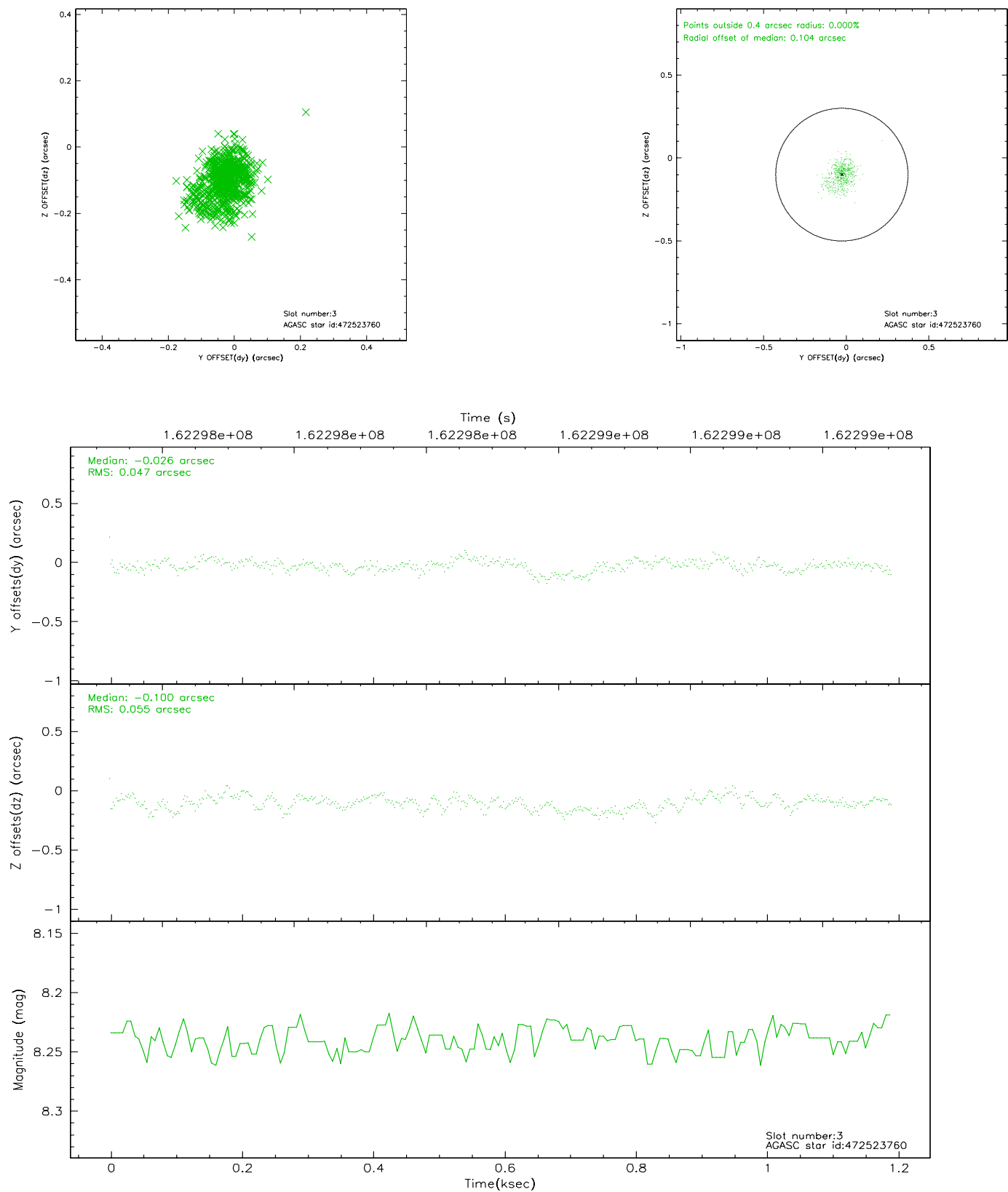


Slot Statistics

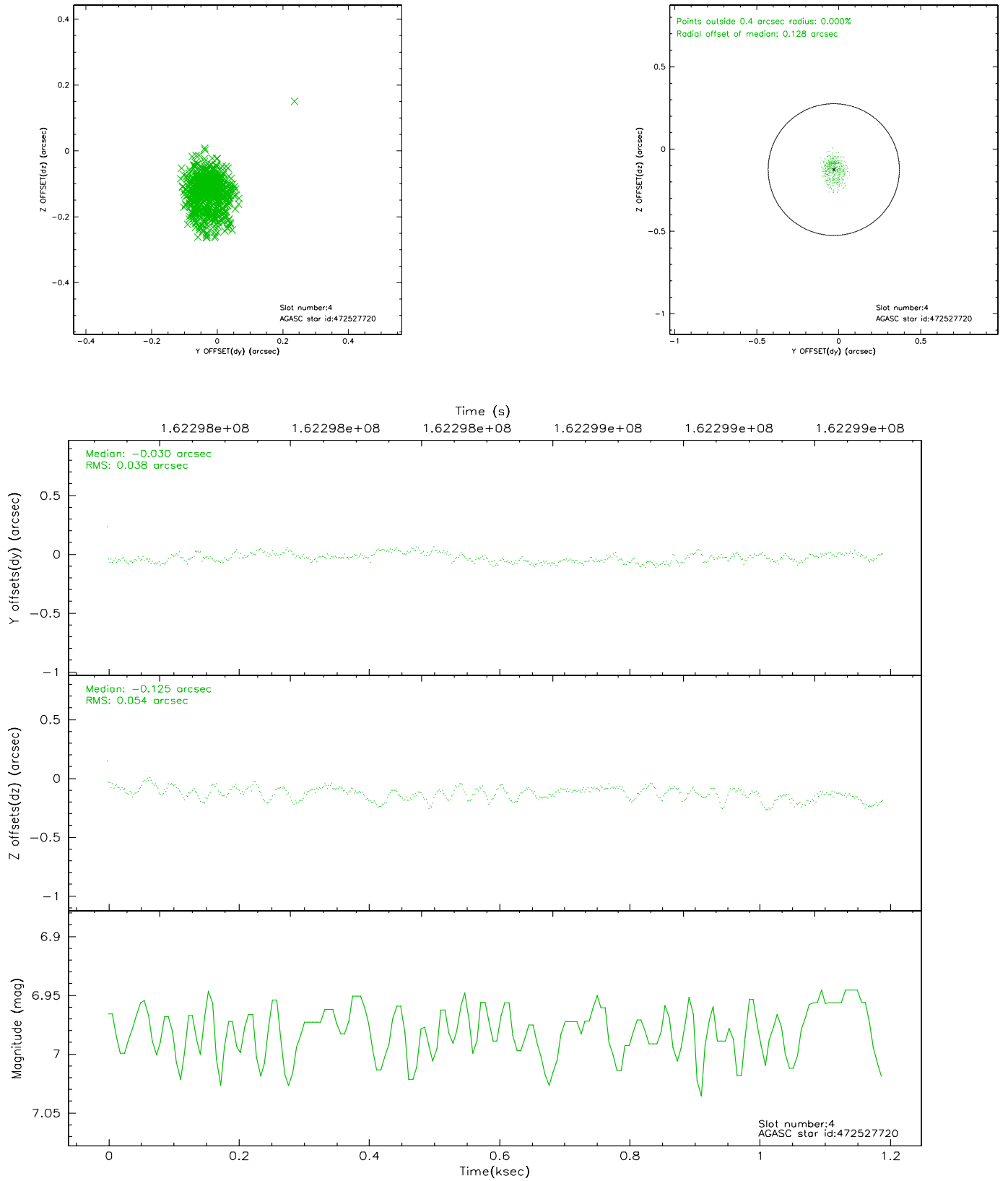
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	291	0.082	-0.034	0.006	0.009	0.000000	0.000000	853.86	-1298.03
1	FID	HRC-I-3	7.06	291	-0.012	0.011	0.006	0.009	0.000000	0.000000	-1184.43	1003.68
2	FID	HRC-I-4	7.01	291	0.049	-0.064	0.006	0.010	0.000000	0.000000	1279.91	1009.12
3	GUIDE	472523760	8.24	582	-0.026	-0.100	0.076	0.124	331.645363	45.403260	-1334.35	-829.38
4	GUIDE	472527720	6.98	582	-0.030	-0.125	0.068	0.114	331.460205	45.112509	-1880.73	-1840.67
5	GUIDE	472655152	9.43	582	0.136	0.028	0.093	0.147	332.504239	45.862991	929.56	675.76
6	GUIDE	472659832	9.46	582	0.046	0.044	0.102	0.163	332.780399	46.098139	1674.01	1484.34
7	GUIDE	472652872	10.11	581	-0.118	0.167	0.145	0.247	332.255928	45.019274	119.72	-2310.69

2.4 Star Slots

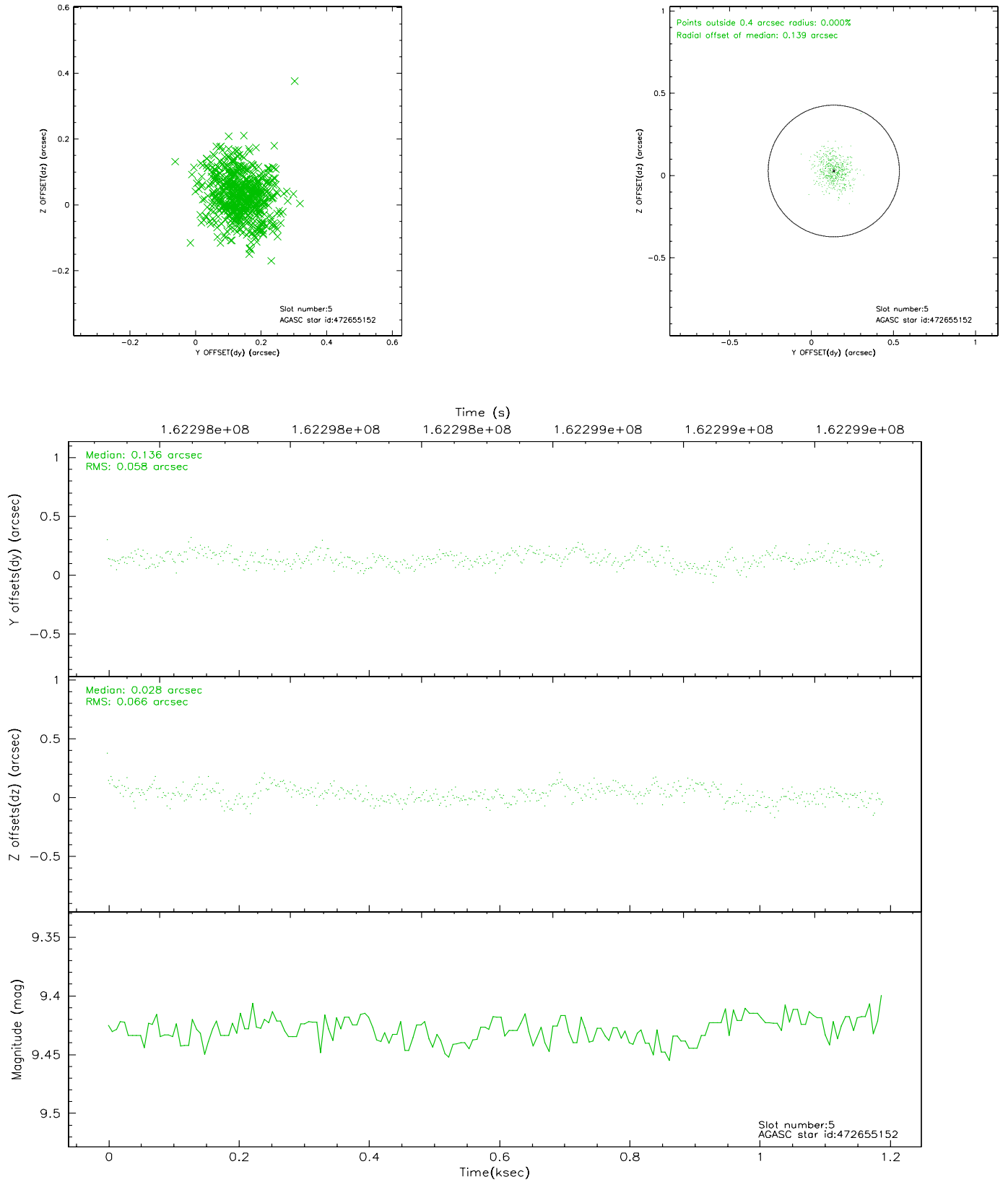
2.4.1 Slot 3



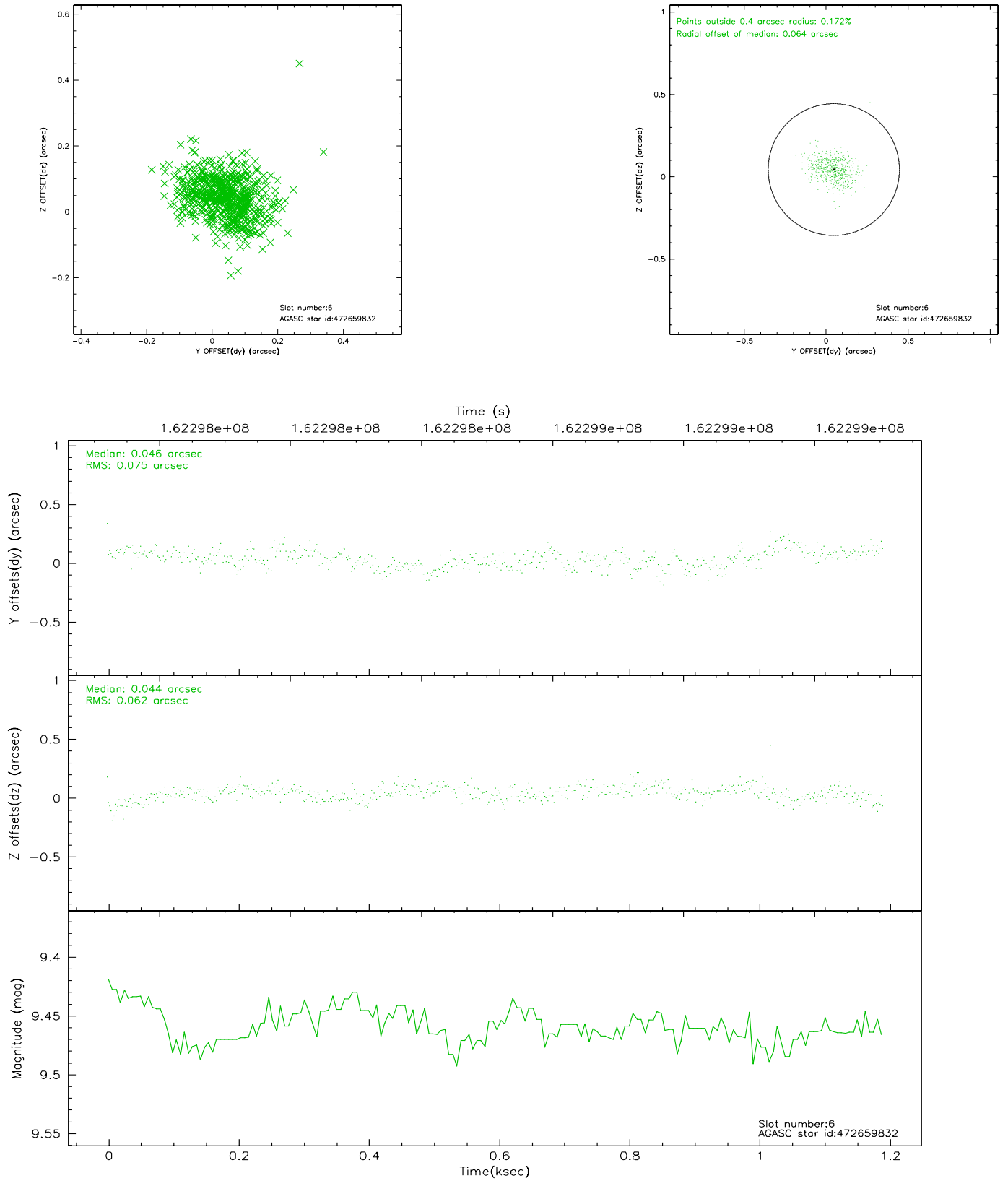
2.4.2 Slot 4



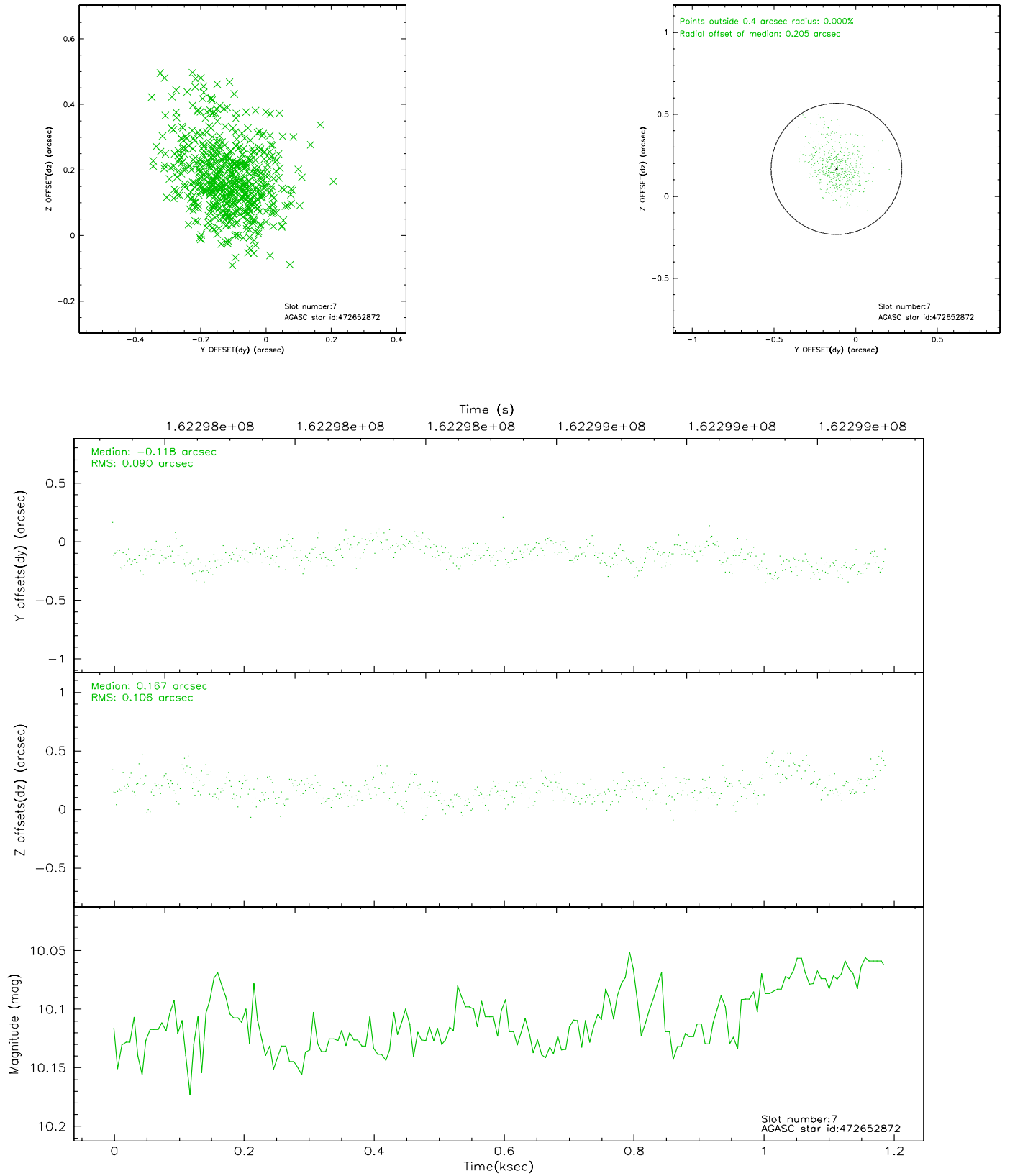
2.4.3 Slot 5



2.4.4 Slot 6

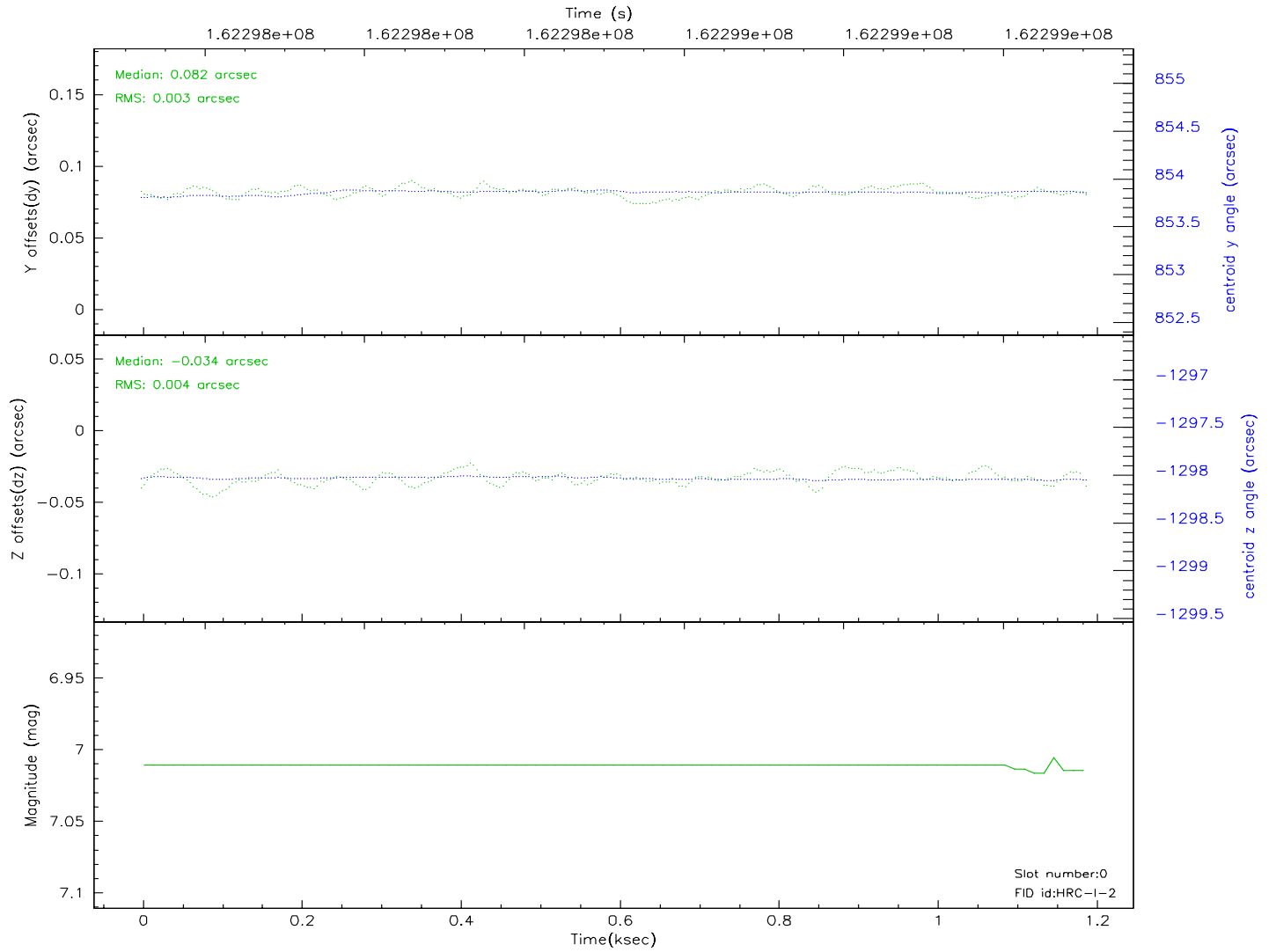
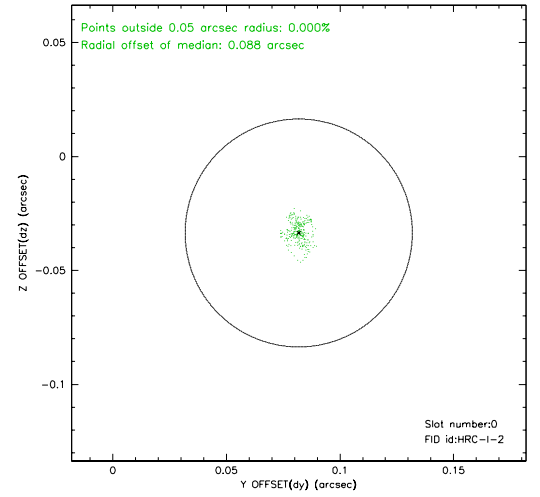
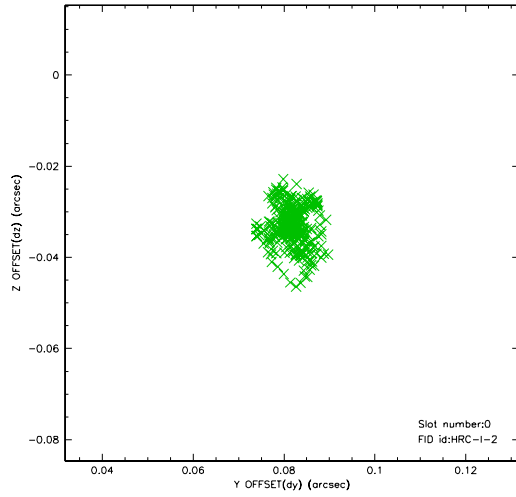


2.4.5 Slot 7

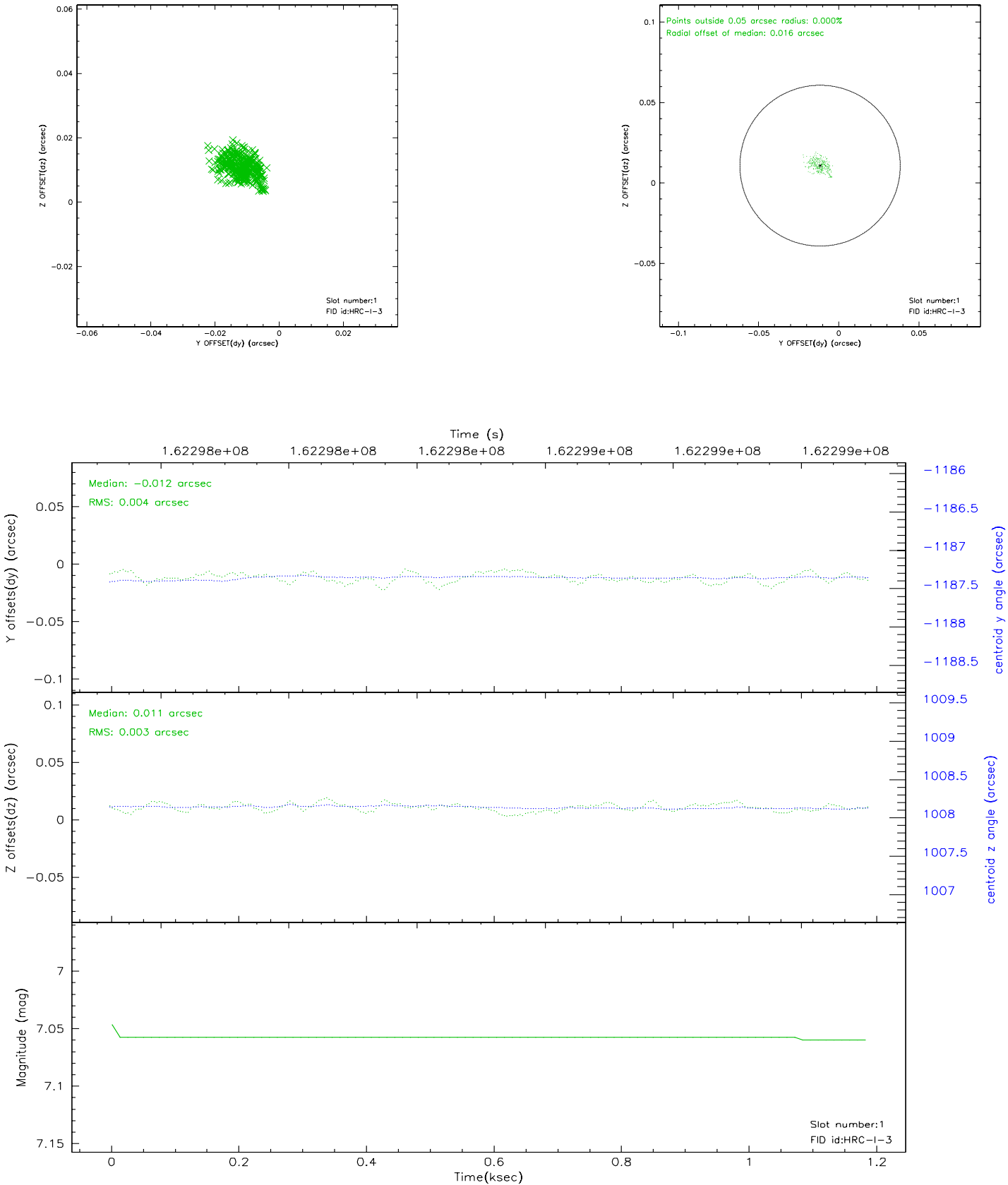


2.5 FID Slots

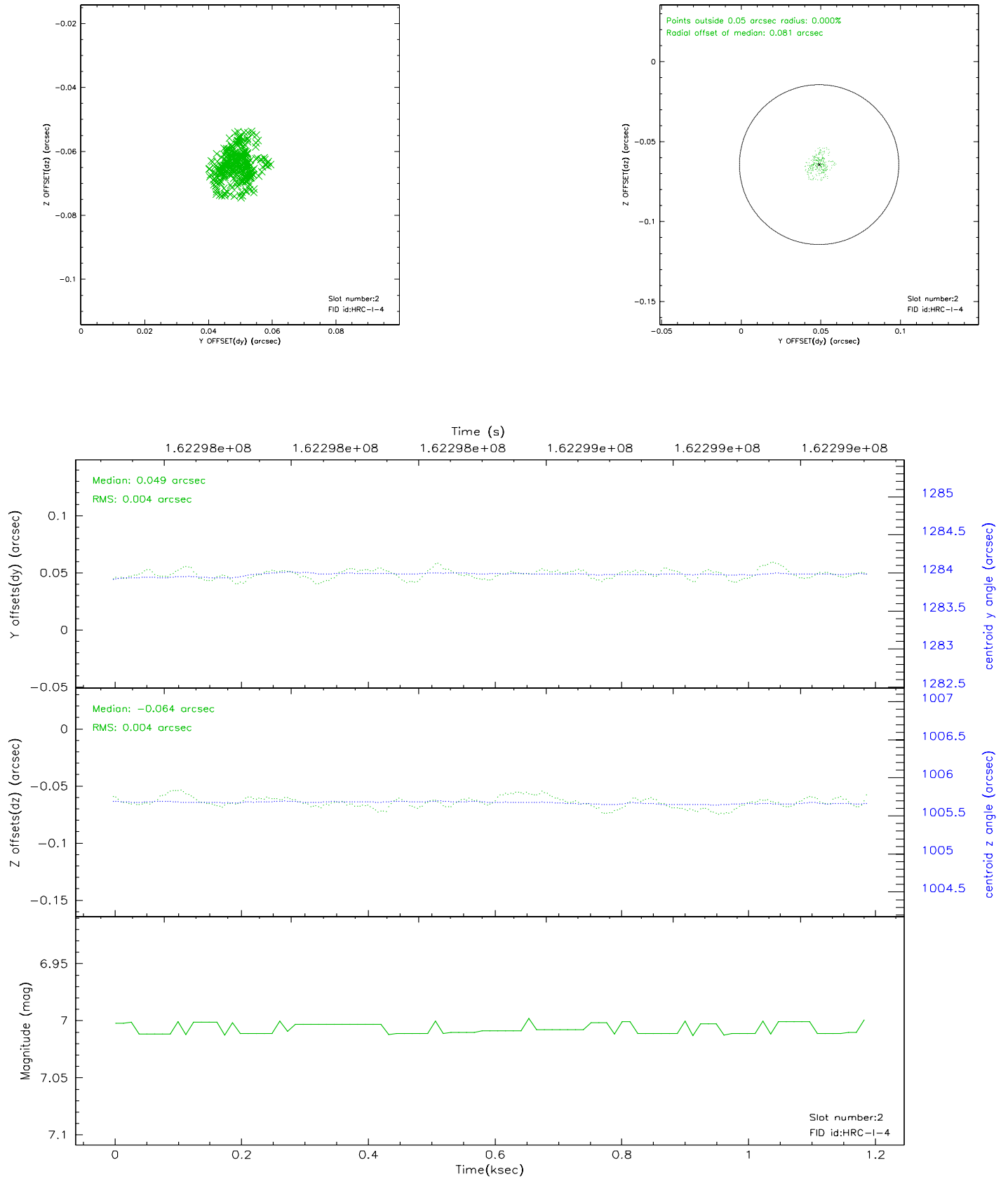
2.5.1 Slot 0



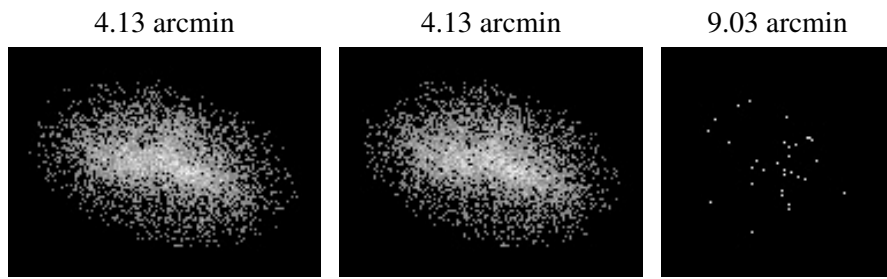
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

A.2 Comments

Window constraint met.

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.