

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4303 - L2 Version 3
Chandra X-Ray Center

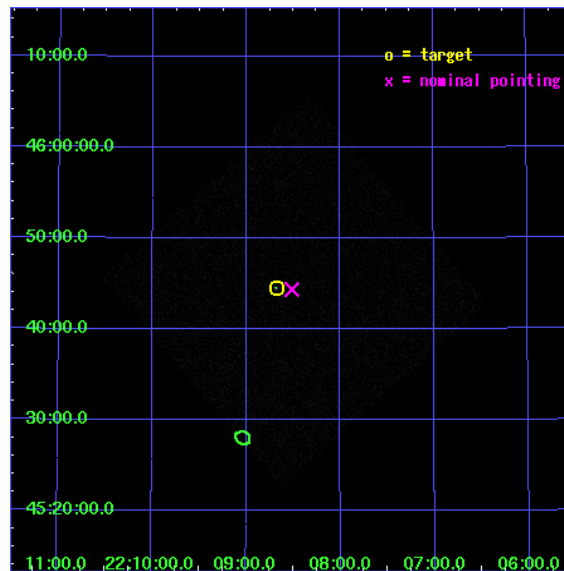
L2 Processing Date : Nov 21 2007

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1 Front

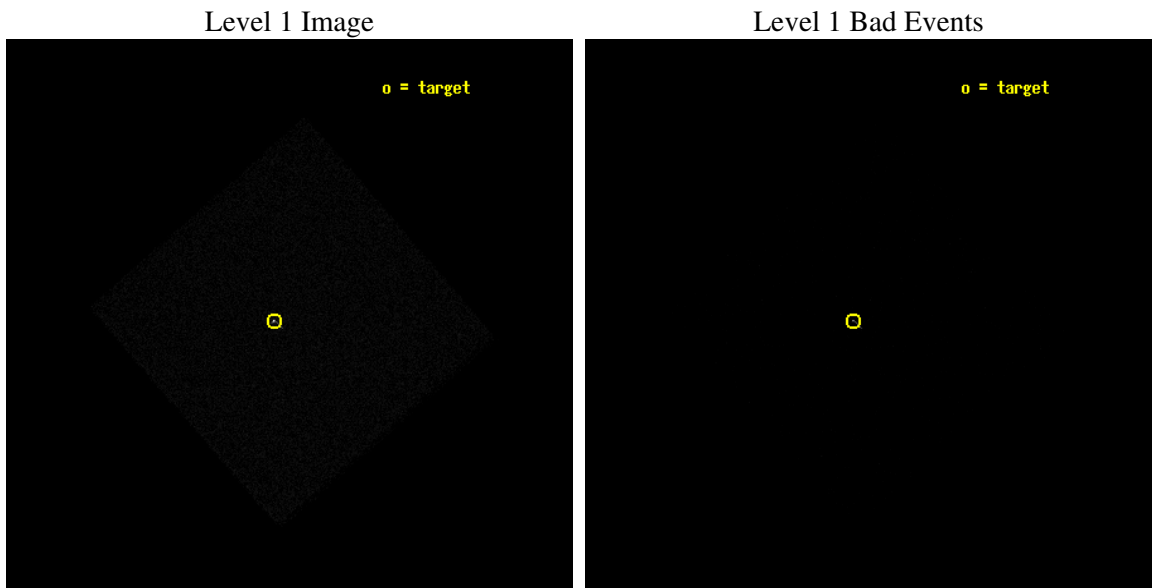
seq_num	290263
obs_id	4303
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.12843055921
dec_nom	45.739774649119
roll_nom	3.8972595051261
revision	3
ontime	1186.181299895
livetime	1178.9224928357
l2events	45679



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	2007-11-22T03:53:17
revision	3

sched_exp_time	1000.000000
ontime	1186.181299895
l1events	81075

2.1.3 Events

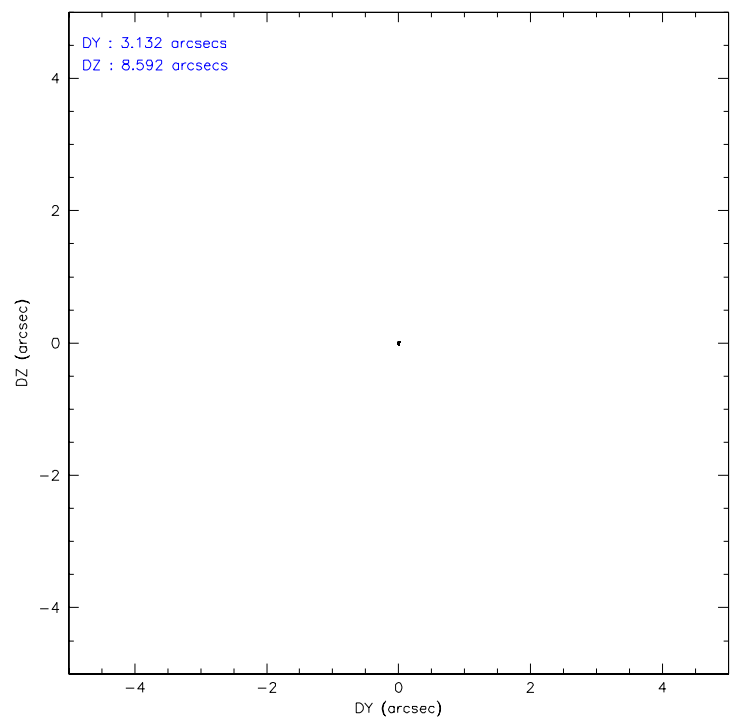
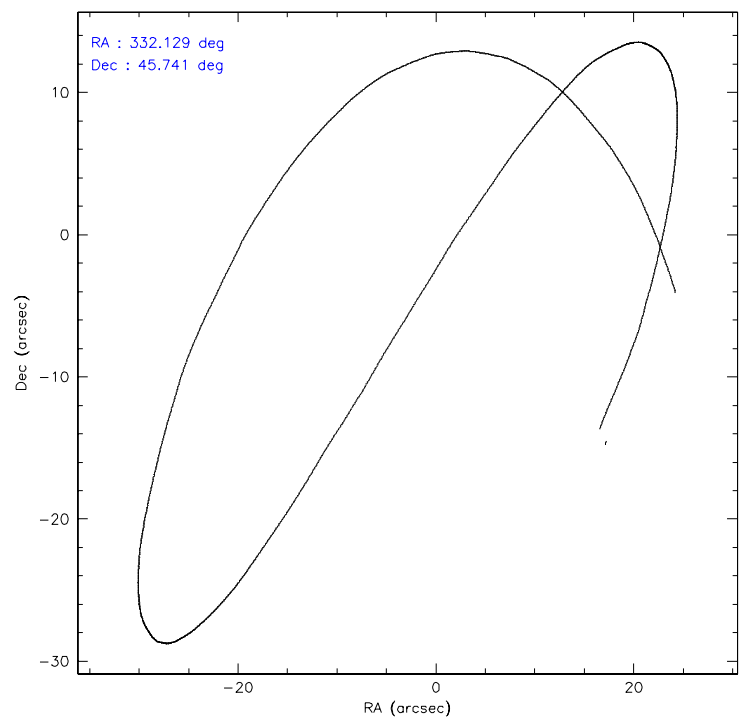
Level 1 Events

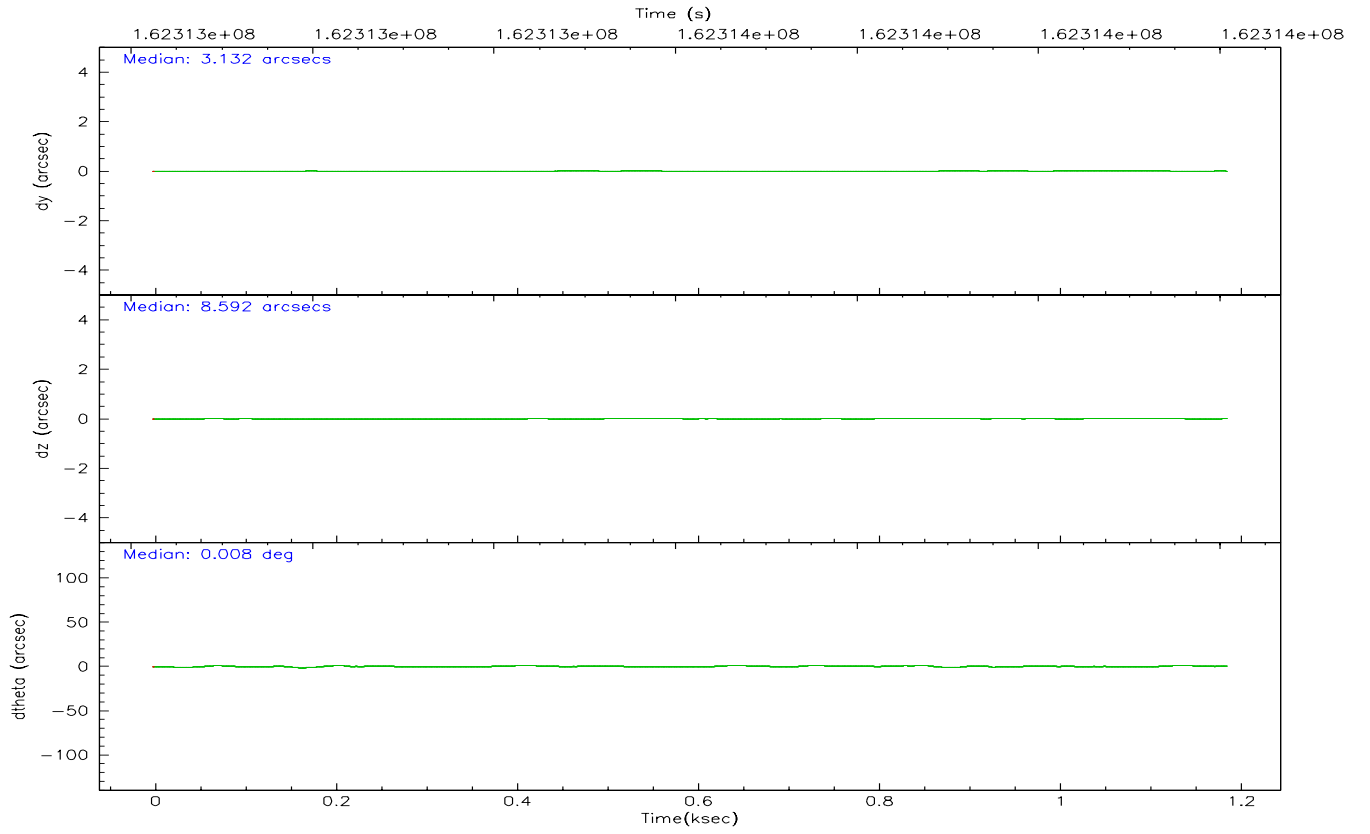
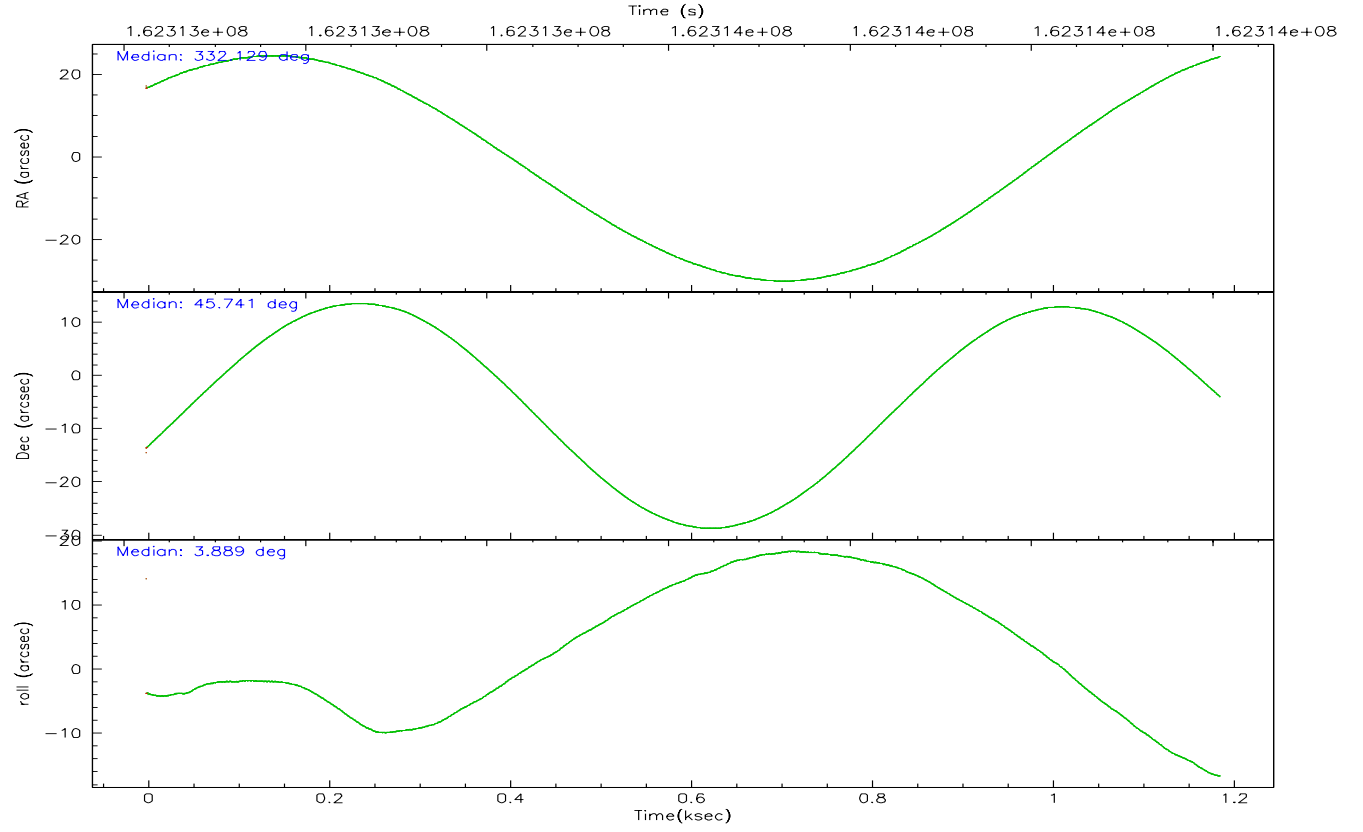
	segment 0
level 1 events	81075
rejected events	17560
rejected %	21%

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	332.096294	332.1284305592144			
Pointing Dec	45.723014	45.73977464911865			
Pointing Roll	4.015749	3.897259505126084			
Window start time	161654464.184000	161654464.184000			
Window stop time	165369664.184000	165369664.184000			
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	162313208.184000	162312831.39537			
Observation start date	2003-02-22T14:59:04	2003-02-22T14:53:51			
Observation end time	162314208.184000	162314342.24543			
Observation end date	2003-02-22T15:15:44	2003-02-22T15:19:02			

2.3 Aspect



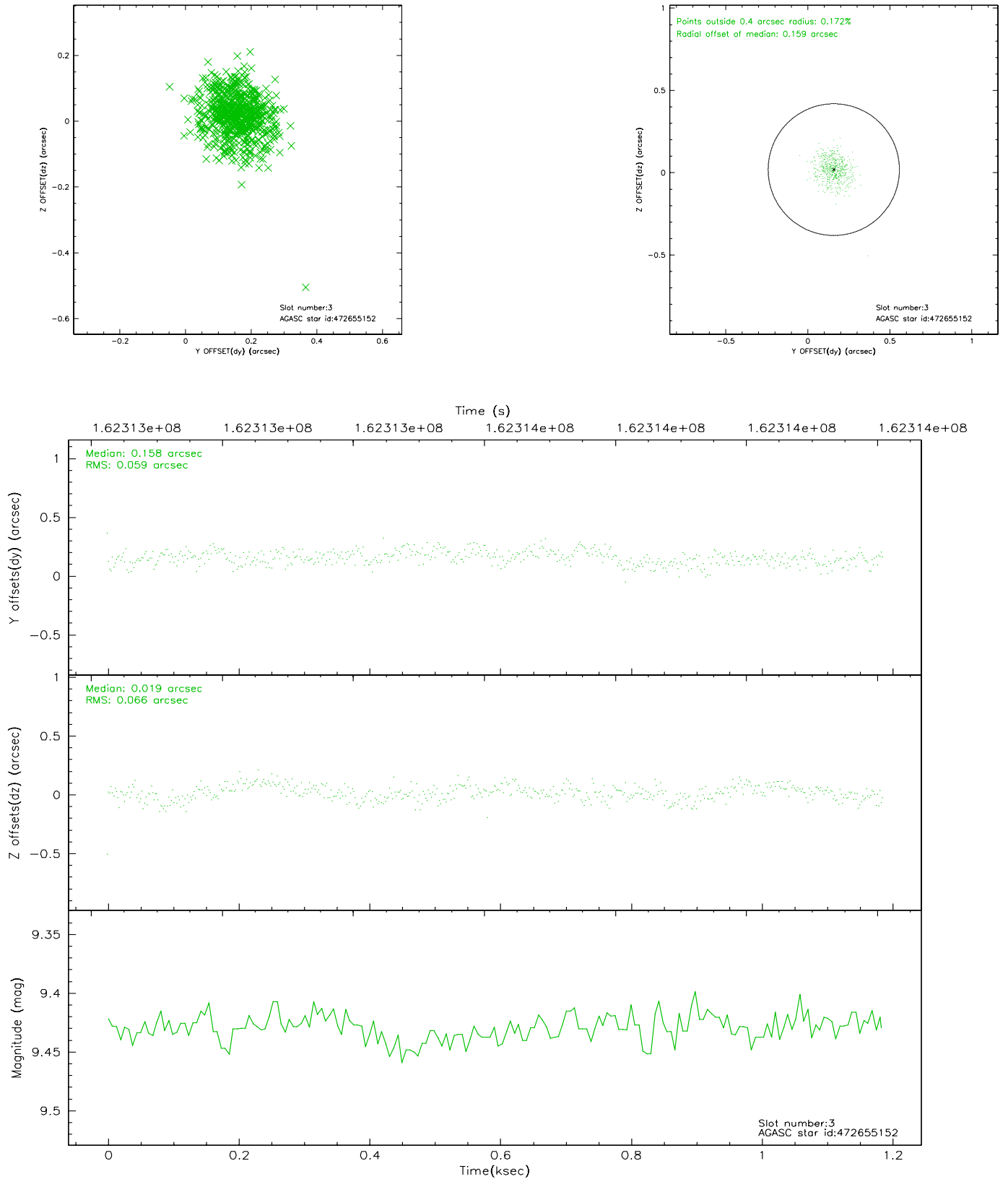


Slot Statistics

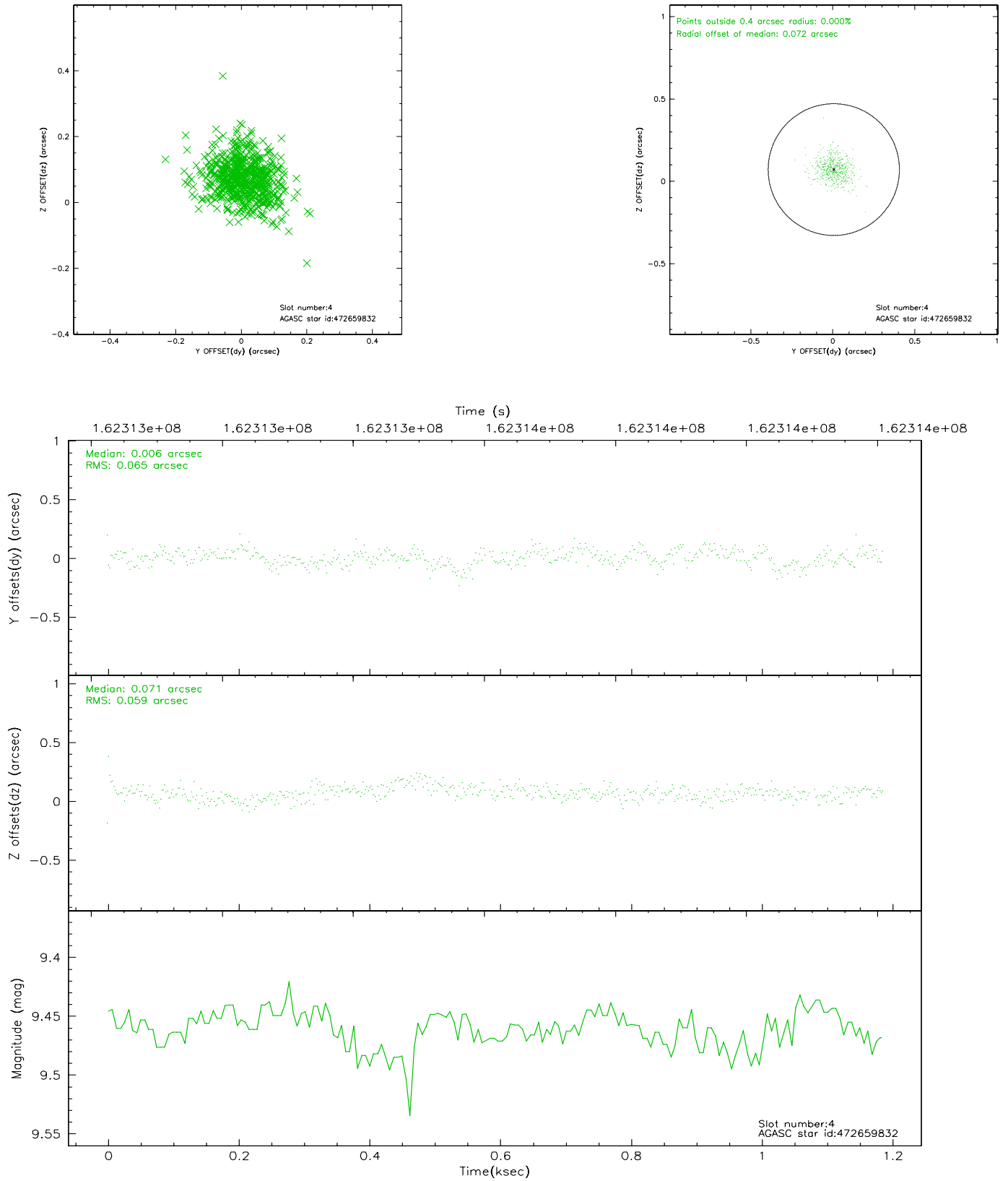
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	290	0.024	0.059	0.007	0.015	0.000000	0.000000	-758.58	-1296.47
1	FID	HRC-I-2	7.01	290	0.078	-0.075	0.006	0.011	0.000000	0.000000	851.49	-1302.64
2	FID	HRC-I-3	7.06	290	0.017	-0.073	0.007	0.021	0.000000	0.000000	-1184.14	1003.46
3	GUIDE	472655152	9.43	580	0.158	0.019	0.094	0.147	332.504239	45.862991	1054.58	429.91
4	GUIDE	472659832	9.46	574	0.006	0.071	0.092	0.158	332.780399	46.098139	1799.11	1231.98
5	GUIDE	472527720	6.99	580	-0.055	-0.067	0.064	0.115	331.460205	45.112509	-1763.51	-2074.96
6	GUIDE	472533912	9.18	580	-0.031	-0.079	0.108	0.181	331.791136	46.368695	-597.89	2365.68
7	GUIDE	472654568	9.43	579	-0.081	0.050	0.108	0.173	332.194449	45.063576	80.75	-2385.21

2.4 Star Slots

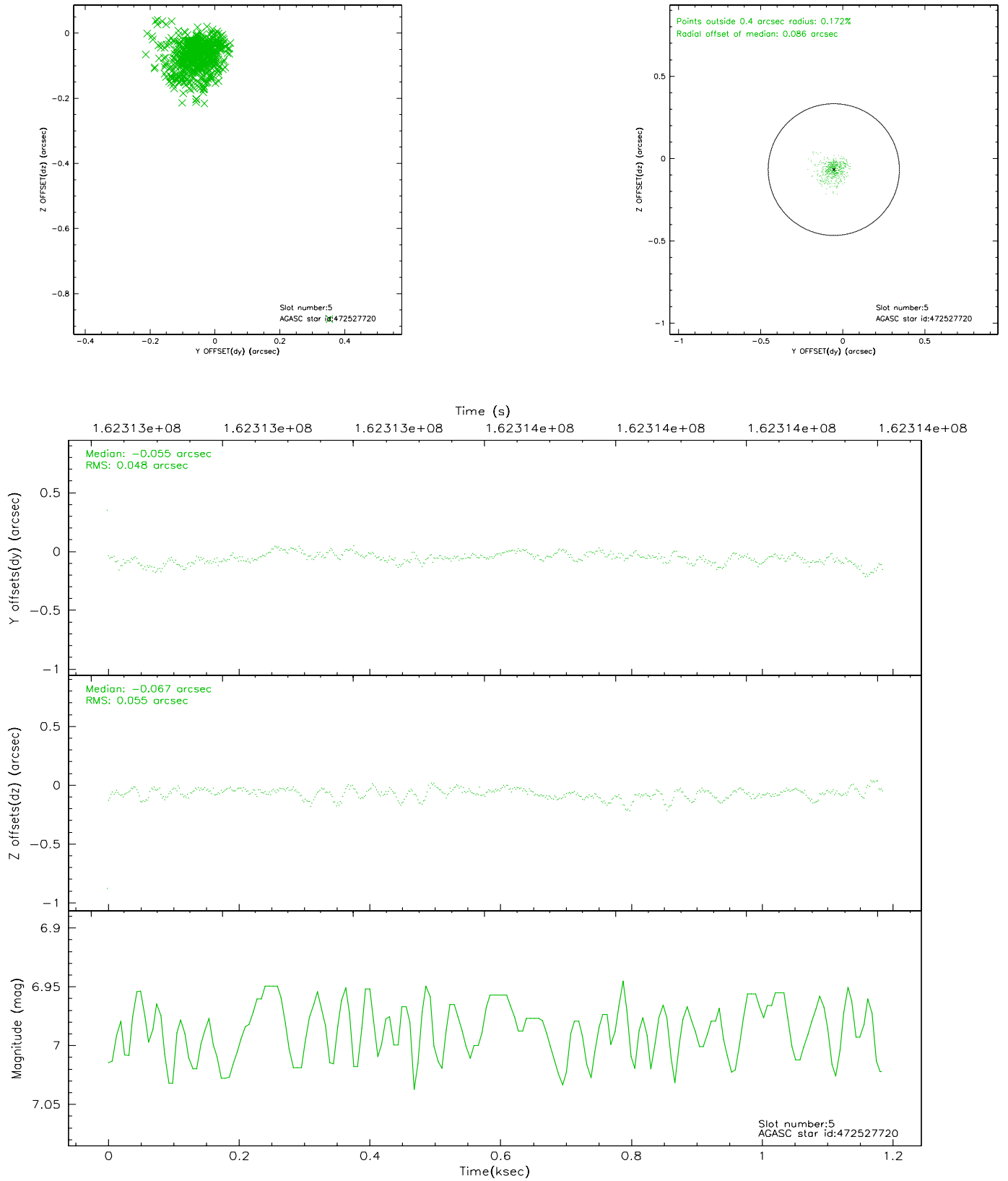
2.4.1 Slot 3



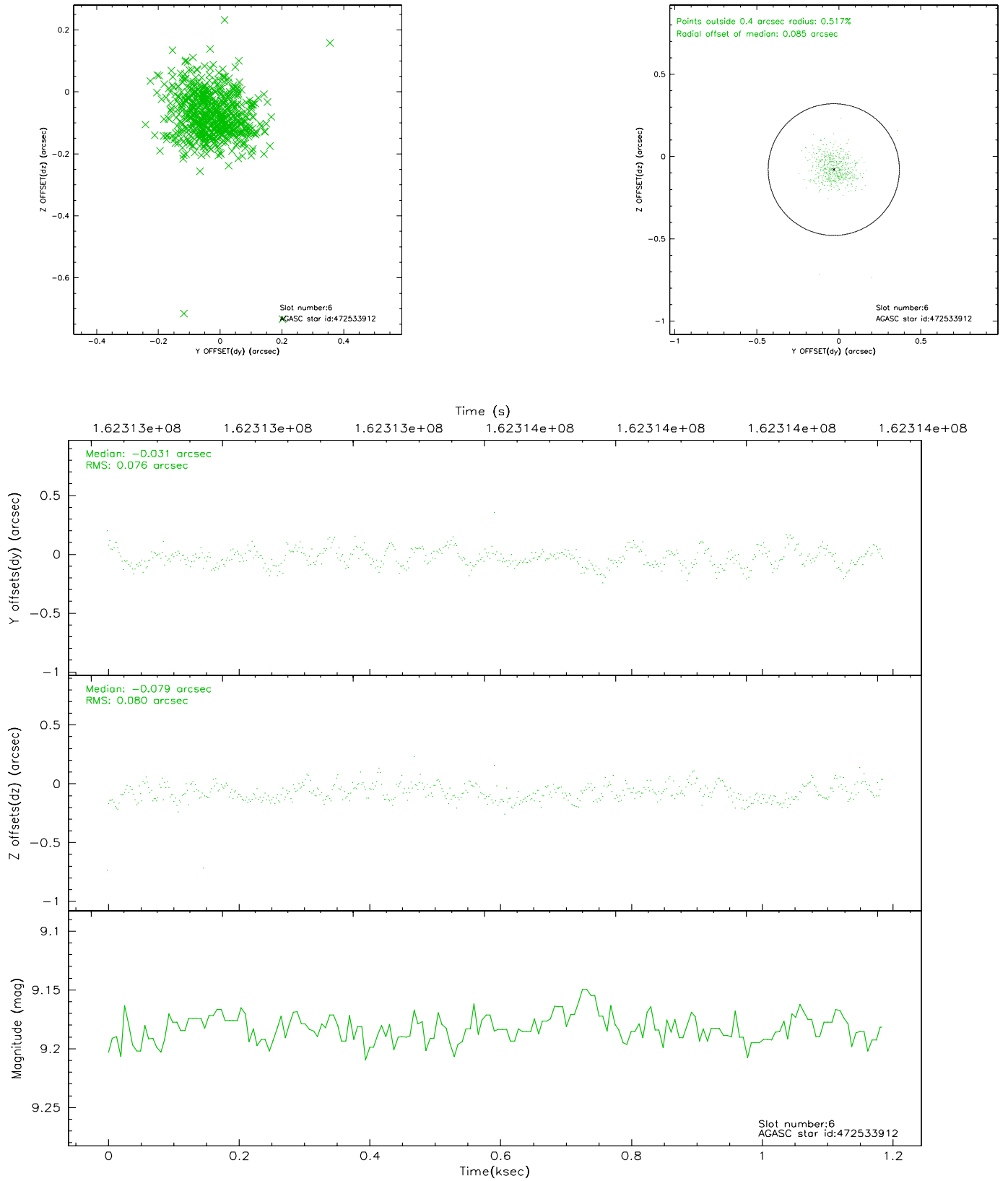
2.4.2 Slot 4



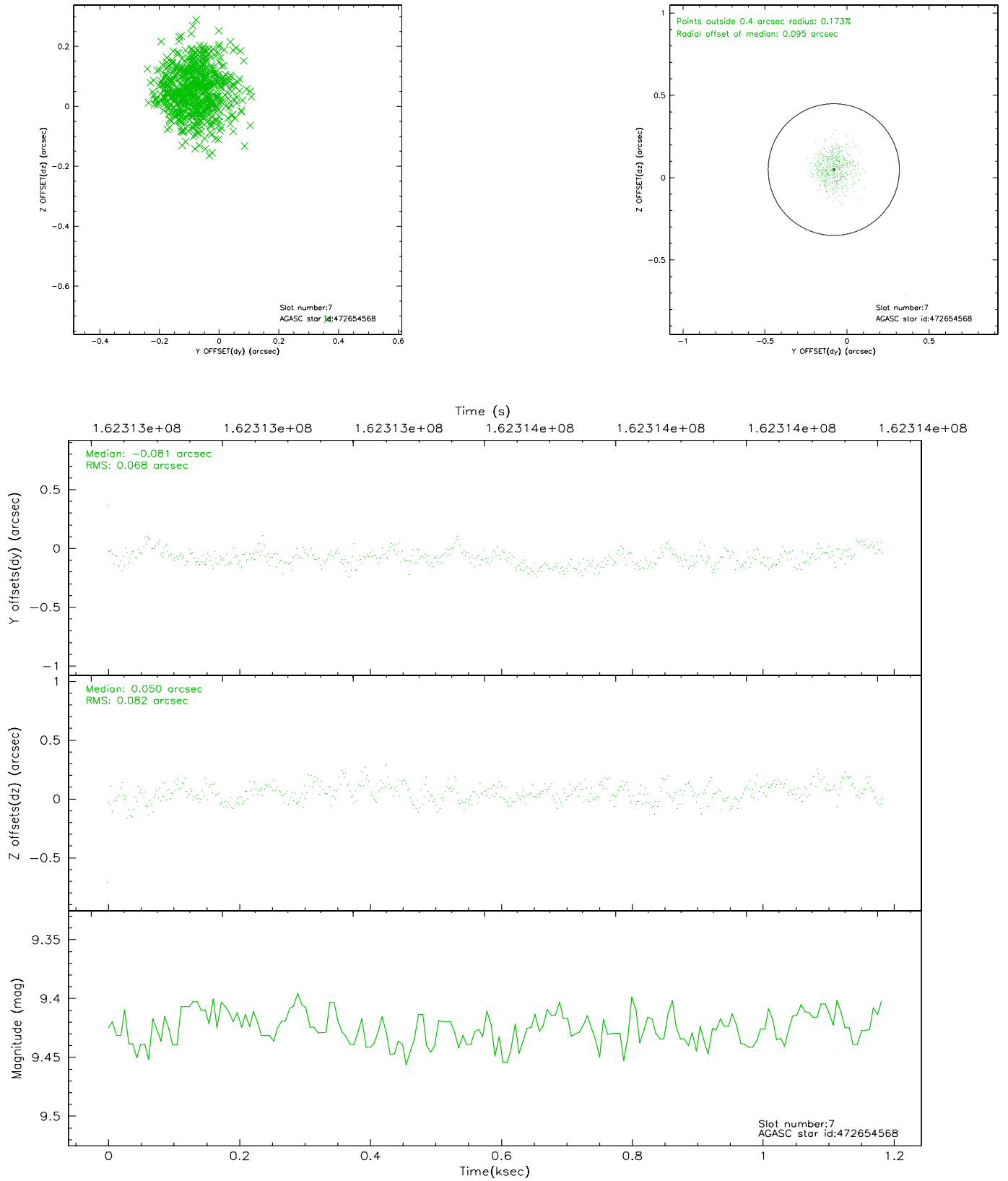
2.4.3 Slot 5



2.4.4 Slot 6

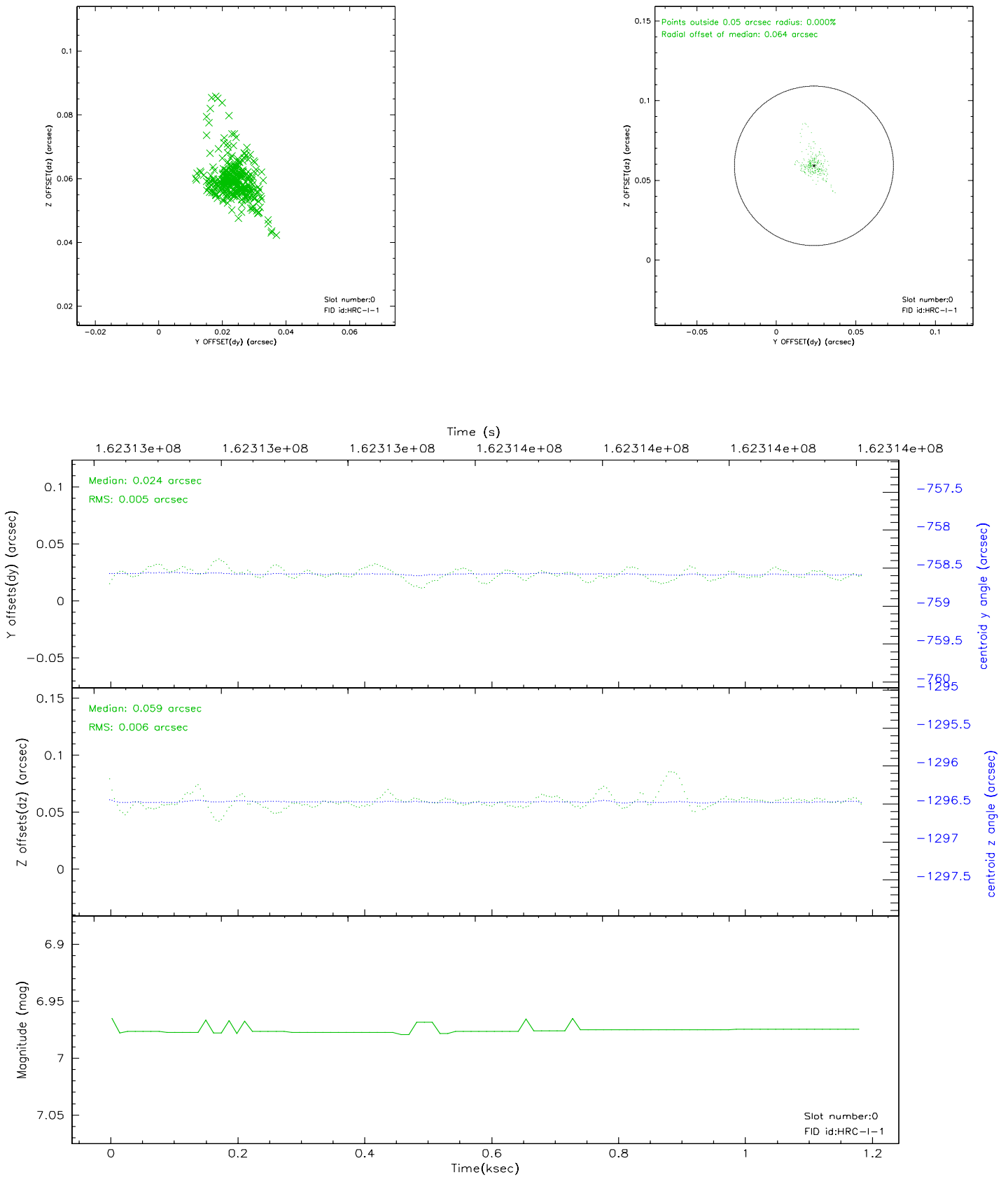


2.4.5 Slot 7

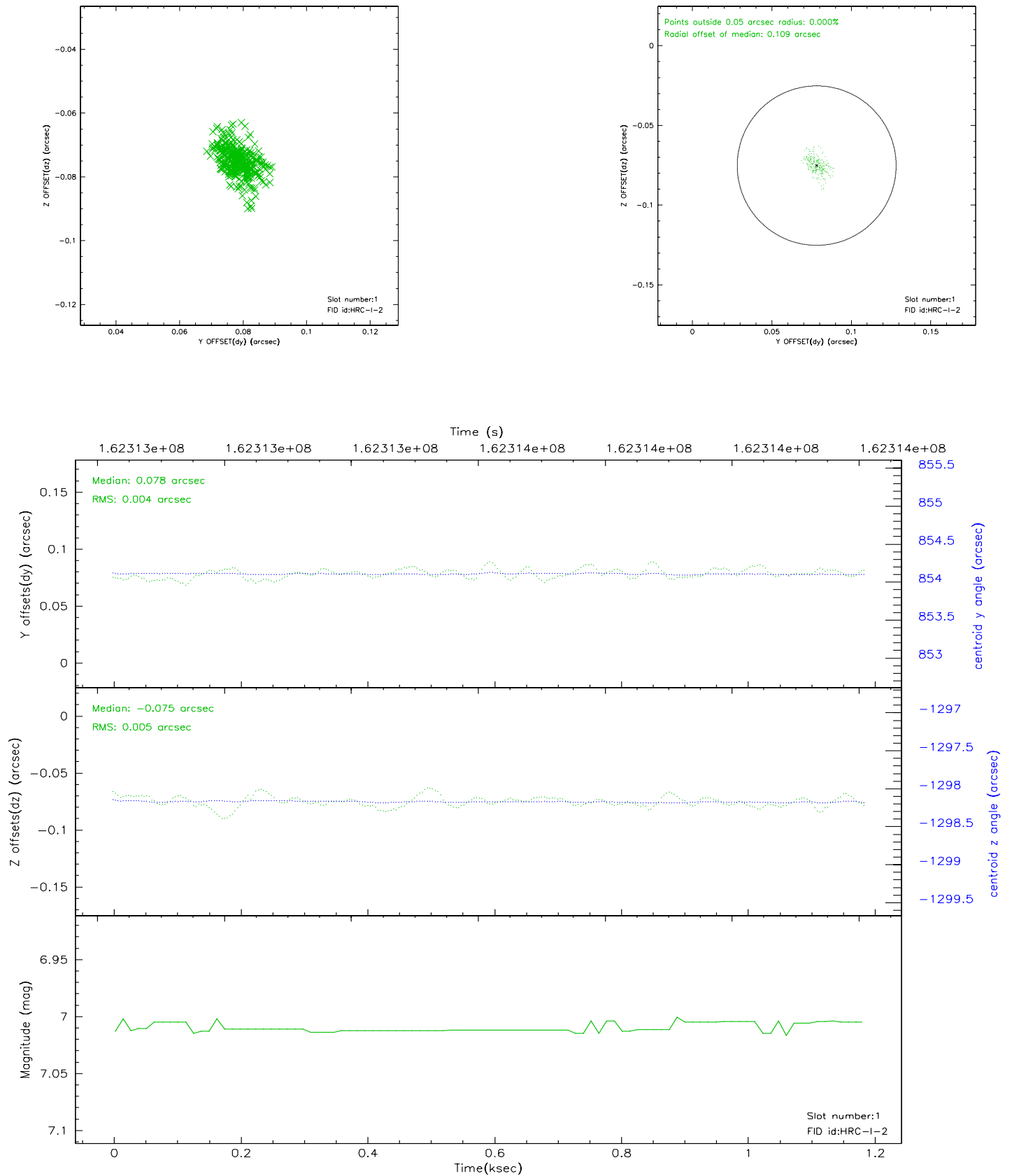


2.5 FID Slots

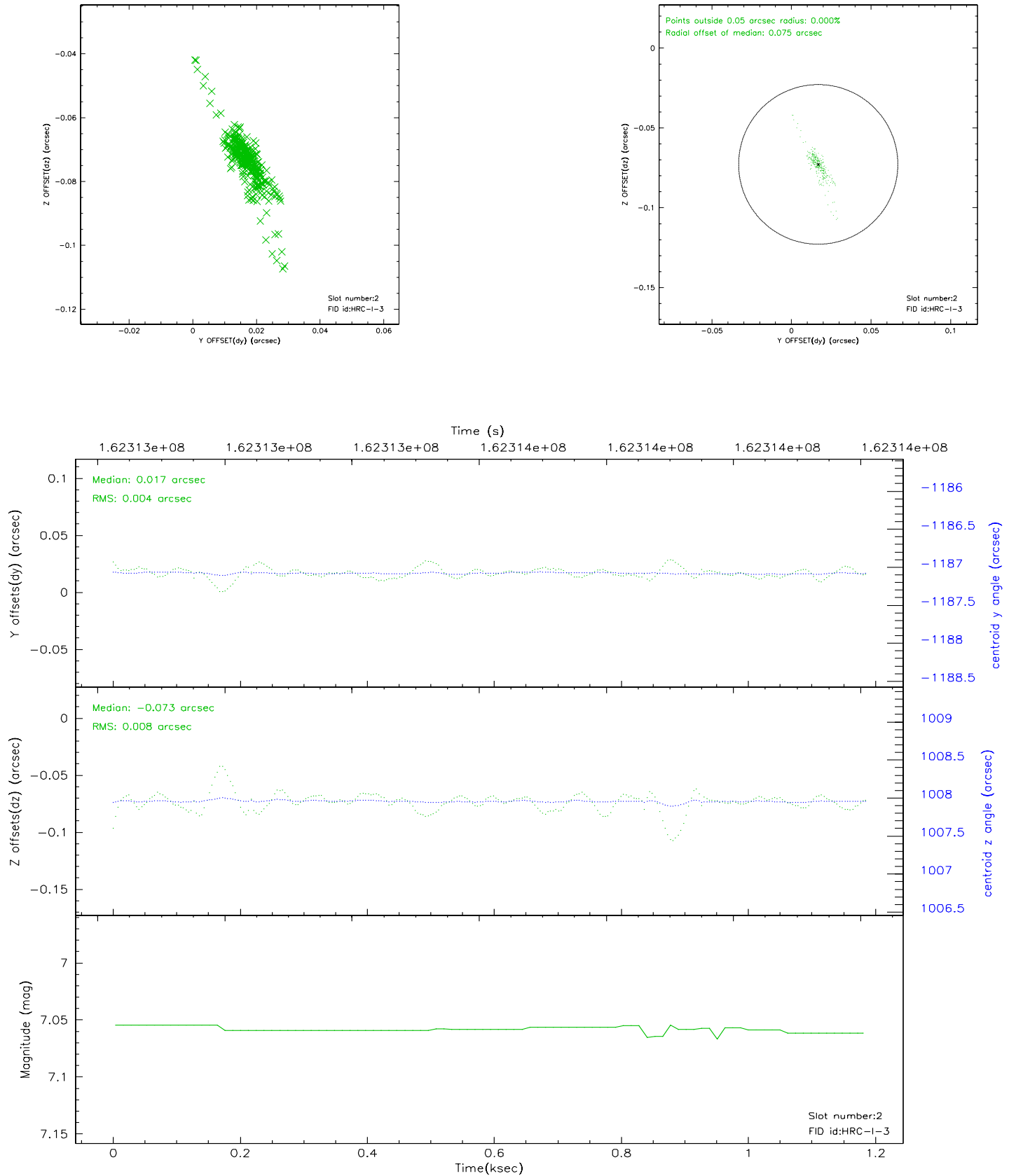
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

17.24 arcmin



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	1.186

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.