

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4304 - L2 Version 3
Chandra X-Ray Center

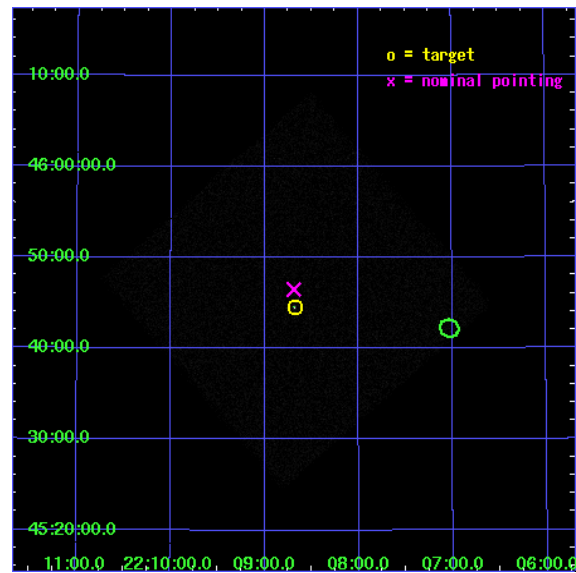
L2 Processing Date : Nov 21 2007

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

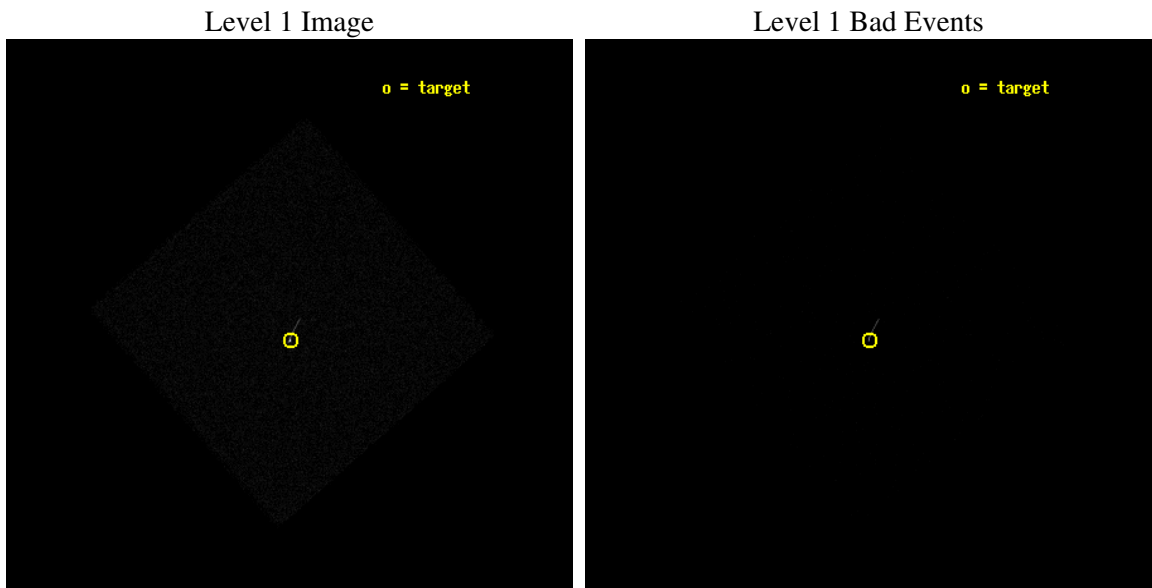
seq_num	290264
obs_id	4304
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.17203661125
dec_nom	45.77522625155
roll_nom	3.8641167014445
revision	3
ontime	1183.8750497997
livetime	1177.1412774649
l2events	39410



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	2007-11-22T03:53:25
revision	3

sched_exp_time	1000.000000
ontime	1183.8750497997
l1events	70895

2.1.3 Events

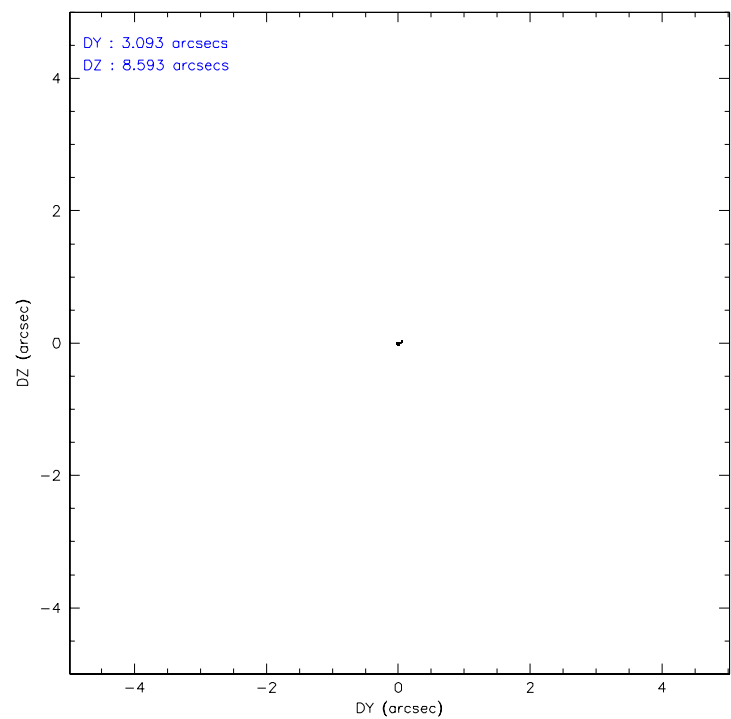
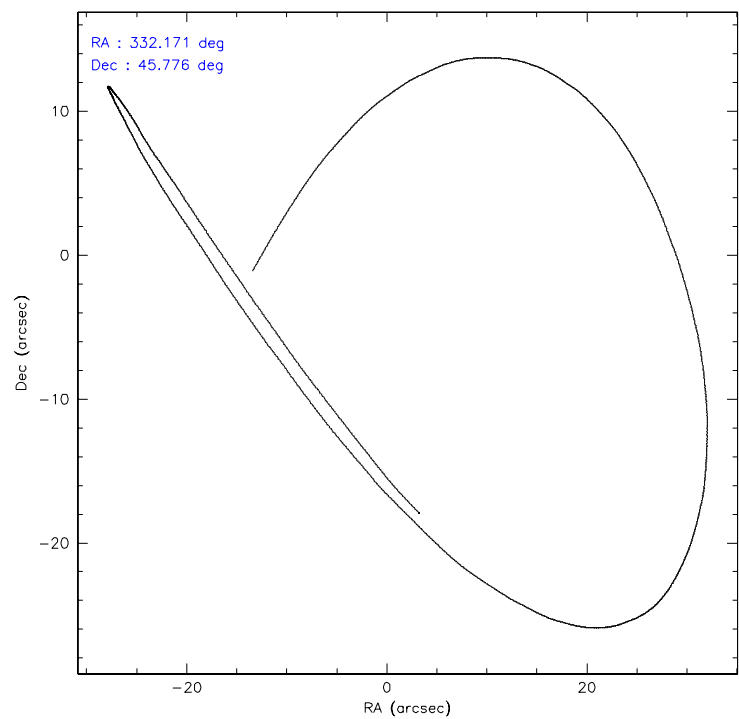
Level 1 Events

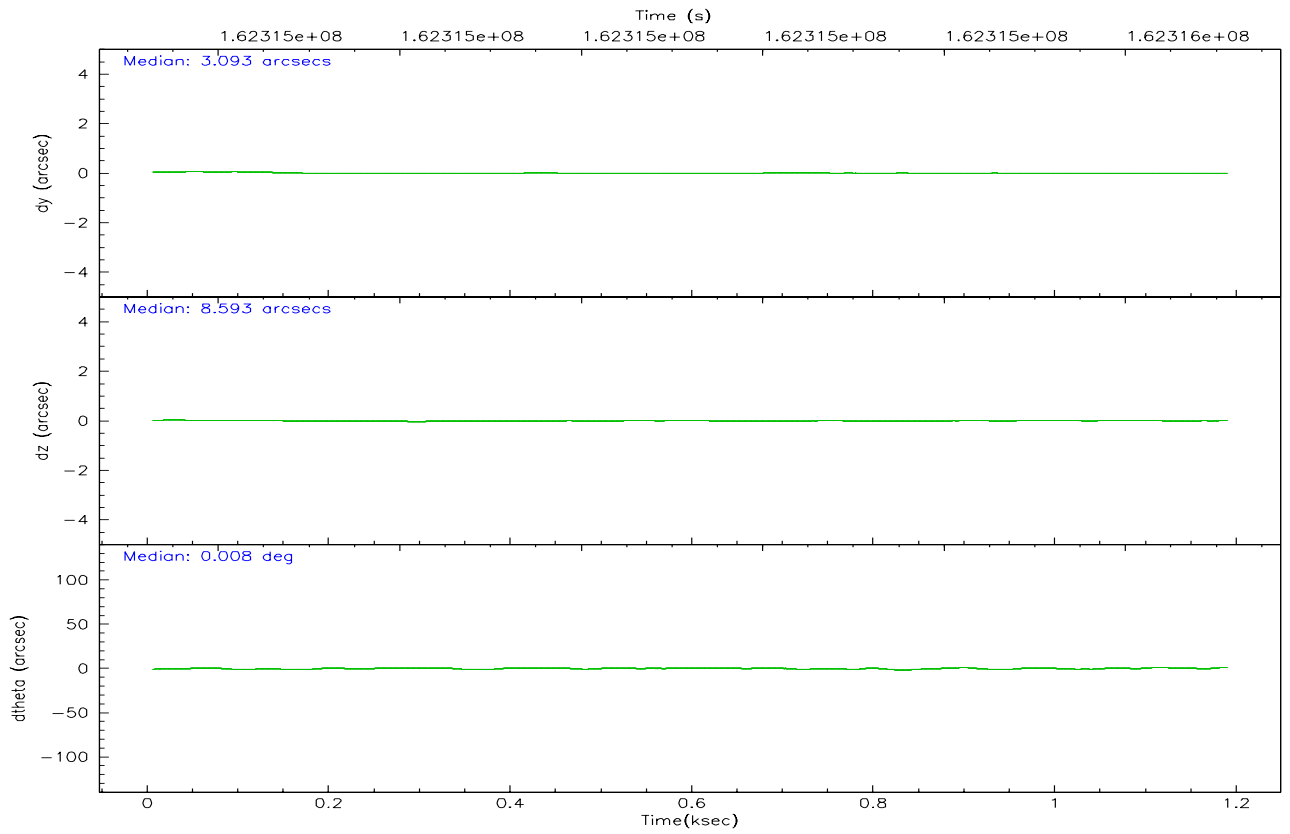
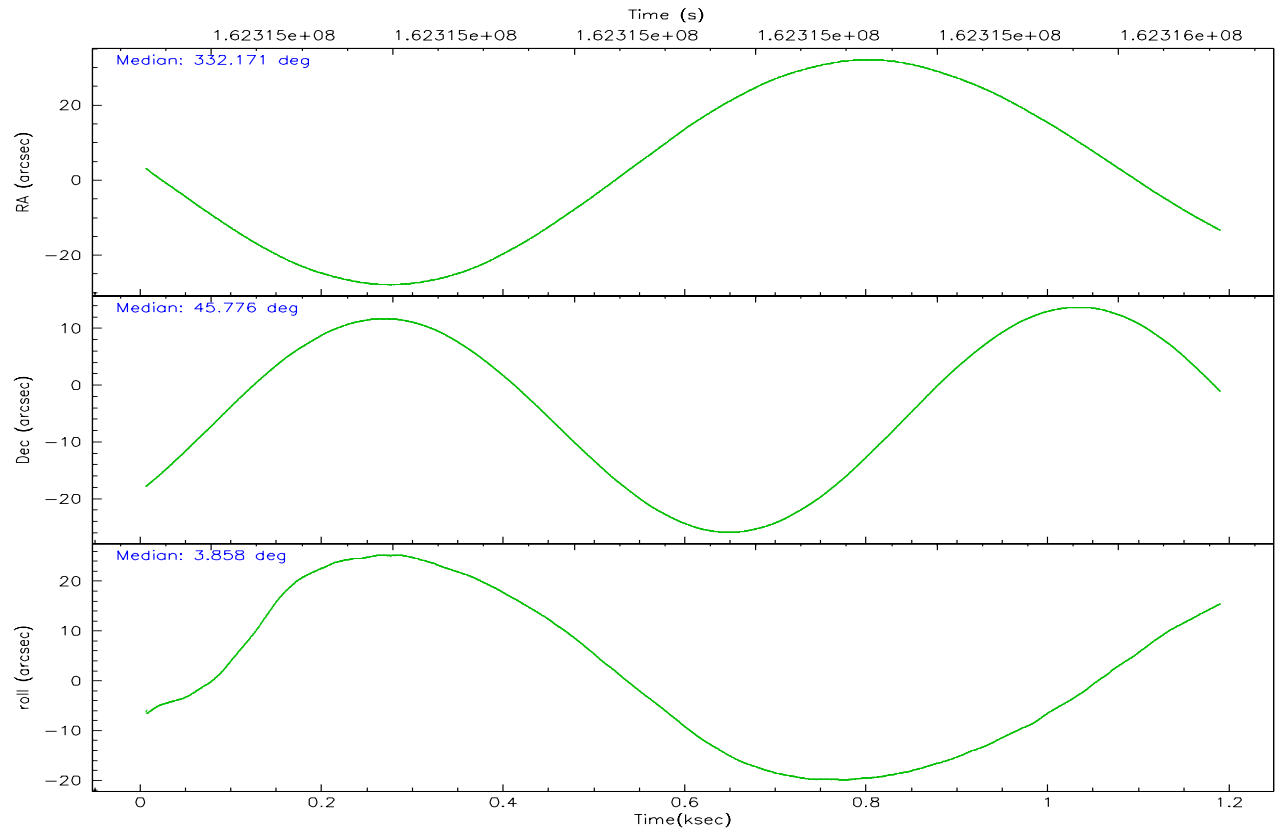
	segment 0
level 1 events	70895
rejected events	15168
rejected %	21%

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	332.140604	332.1720366112506			
Pointing Dec	45.758584	45.77522625154955			
Pointing Roll	3.982186	3.864116701444519			
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	162314718.184000	162314342.24543			
Observation start date	2003-02-22T15:24:14	2003-02-22T15:19:02			
Observation end time	162315718.184000	162315852.07049			
Observation end date	2003-02-22T15:40:54	2003-02-22T15:44:12			

2.3 Aspect



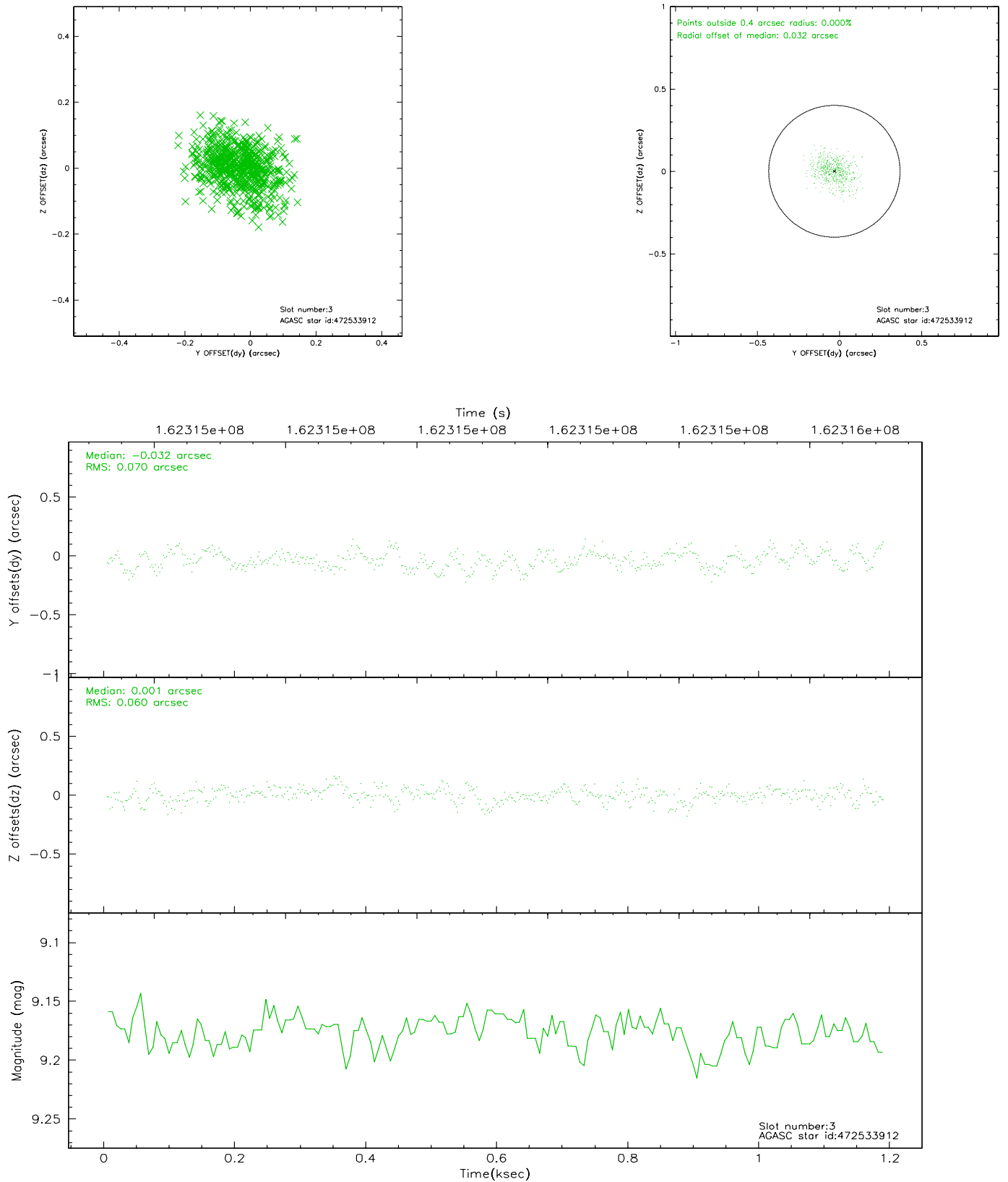


Slot Statistics

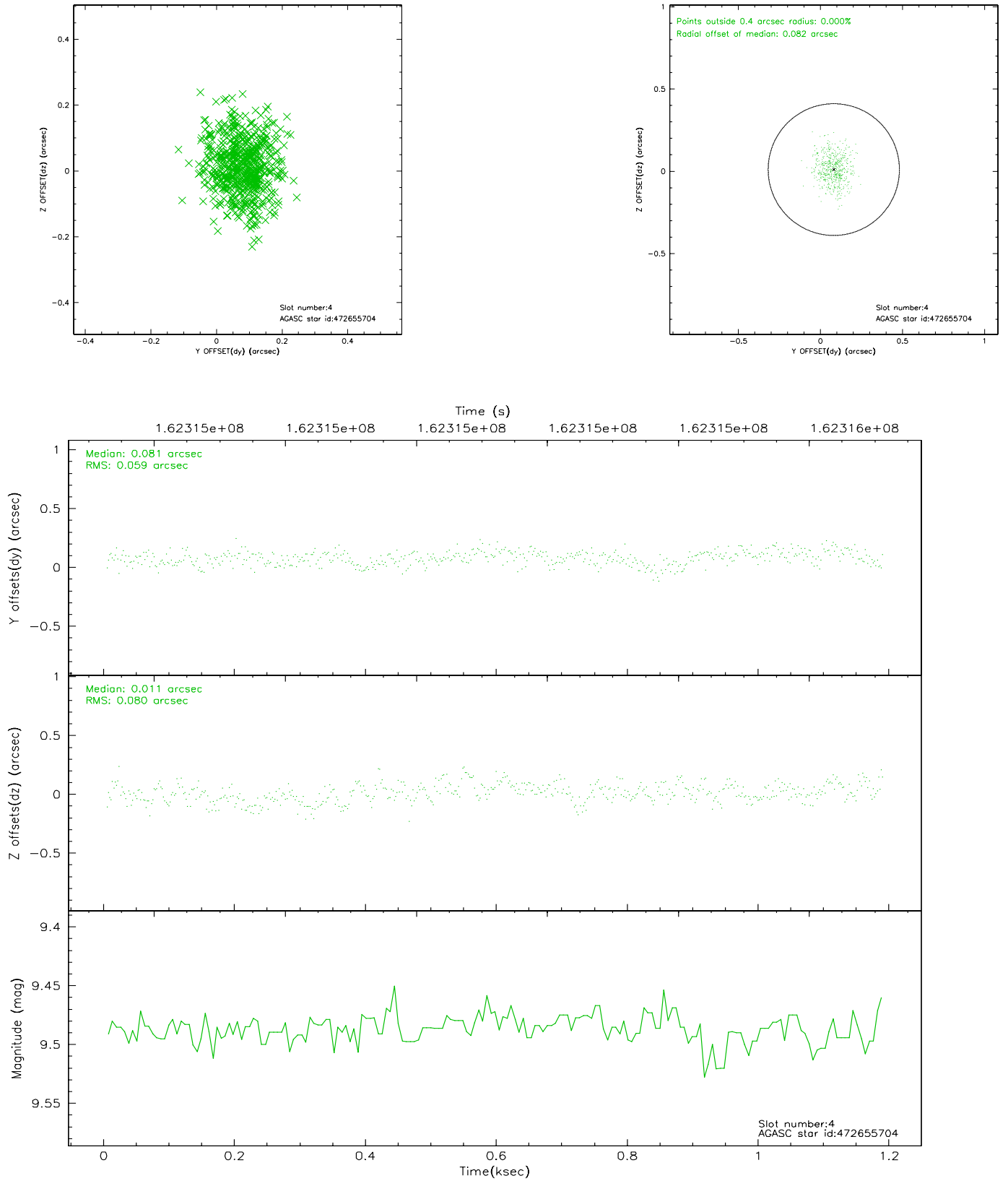
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	0.027	0.061	0.008	0.012	0.000000	0.000000	-758.54	-1296.47
1	FID	HRC-I-2	7.01	289	0.075	-0.075	0.006	0.010	0.000000	0.000000	851.51	-1302.66
2	FID	HRC-I-3	7.06	289	0.017	-0.075	0.007	0.013	0.000000	0.000000	-1184.10	1003.45
3	GUIDE	472533912	9.17	579	-0.032	0.001	0.098	0.159	331.791136	46.368695	-712.95	2249.67
4	GUIDE	472655704	9.49	579	0.081	0.011	0.109	0.174	332.167195	45.285228	-51.42	-1704.29
5	GUIDE	472659832	9.46	576	0.020	0.074	0.091	0.159	332.780399	46.098139	1679.15	1108.60
6	GUIDE	472527720	6.99	579	-0.166	-0.057	0.061	0.106	331.460205	45.112509	-1881.87	-2194.86
7	GUIDE	472655152	9.43	578	0.103	-0.031	0.092	0.154	332.504239	45.862991	933.19	306.42

2.4 Star Slots

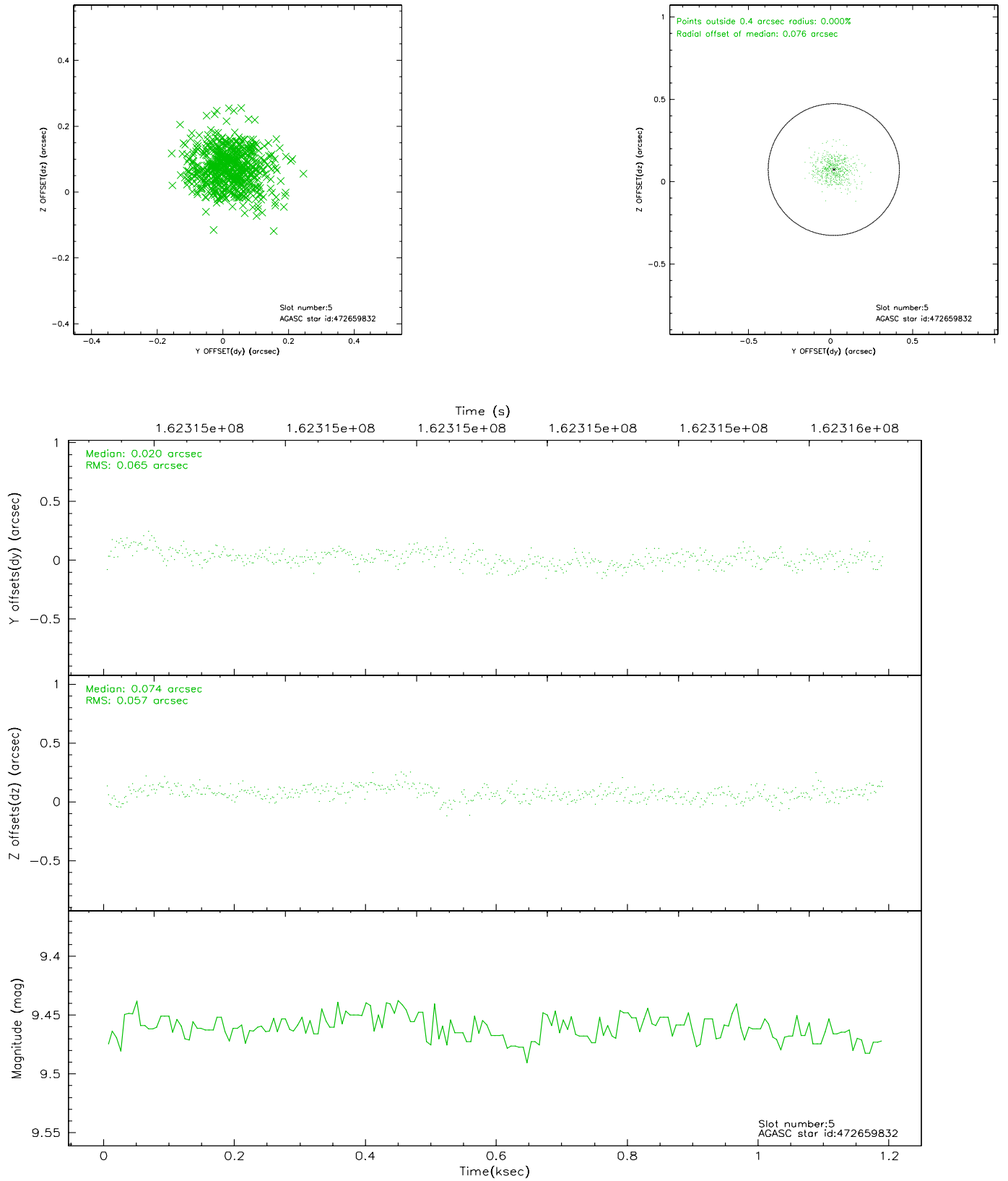
2.4.1 Slot 3



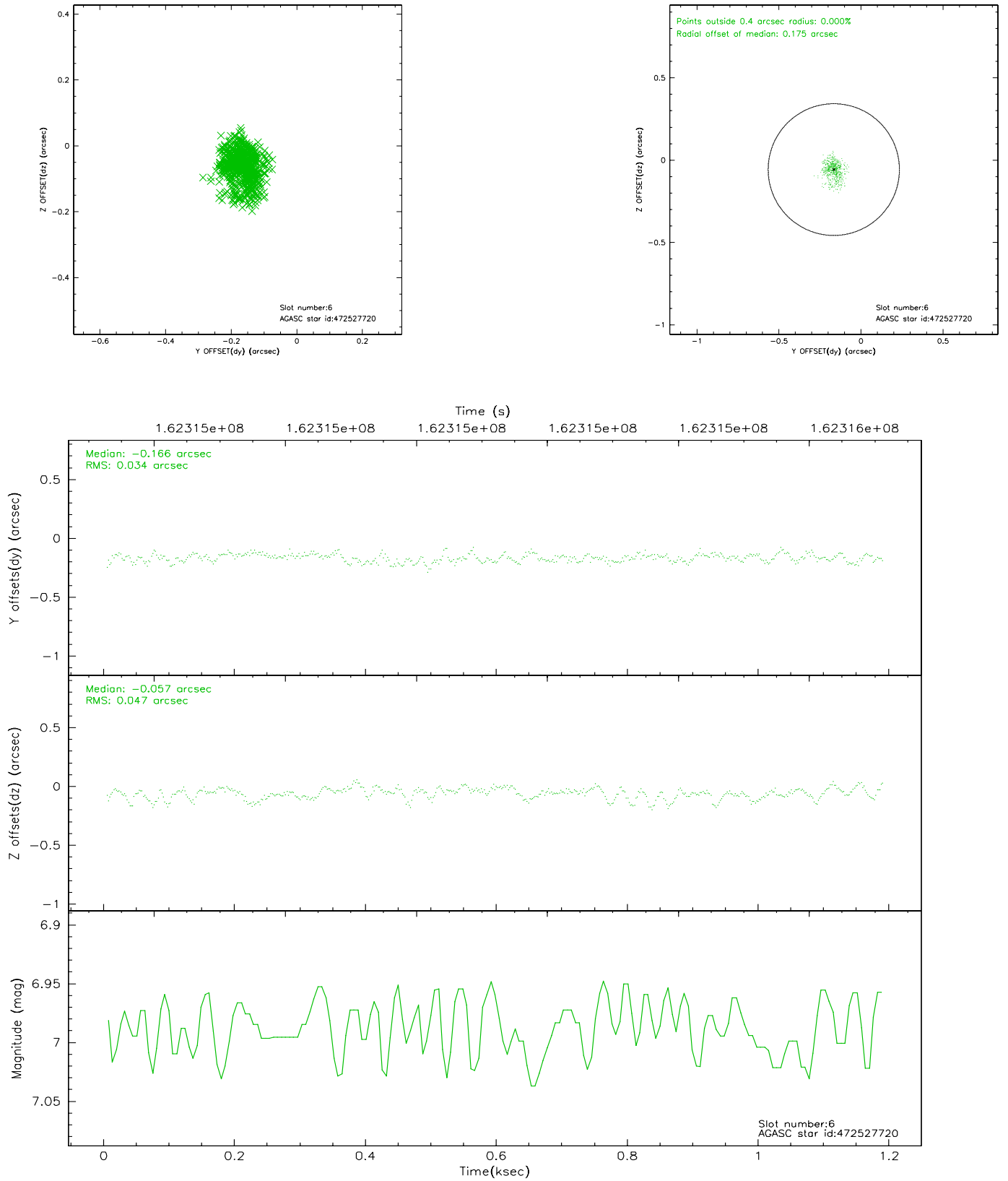
2.4.2 Slot 4



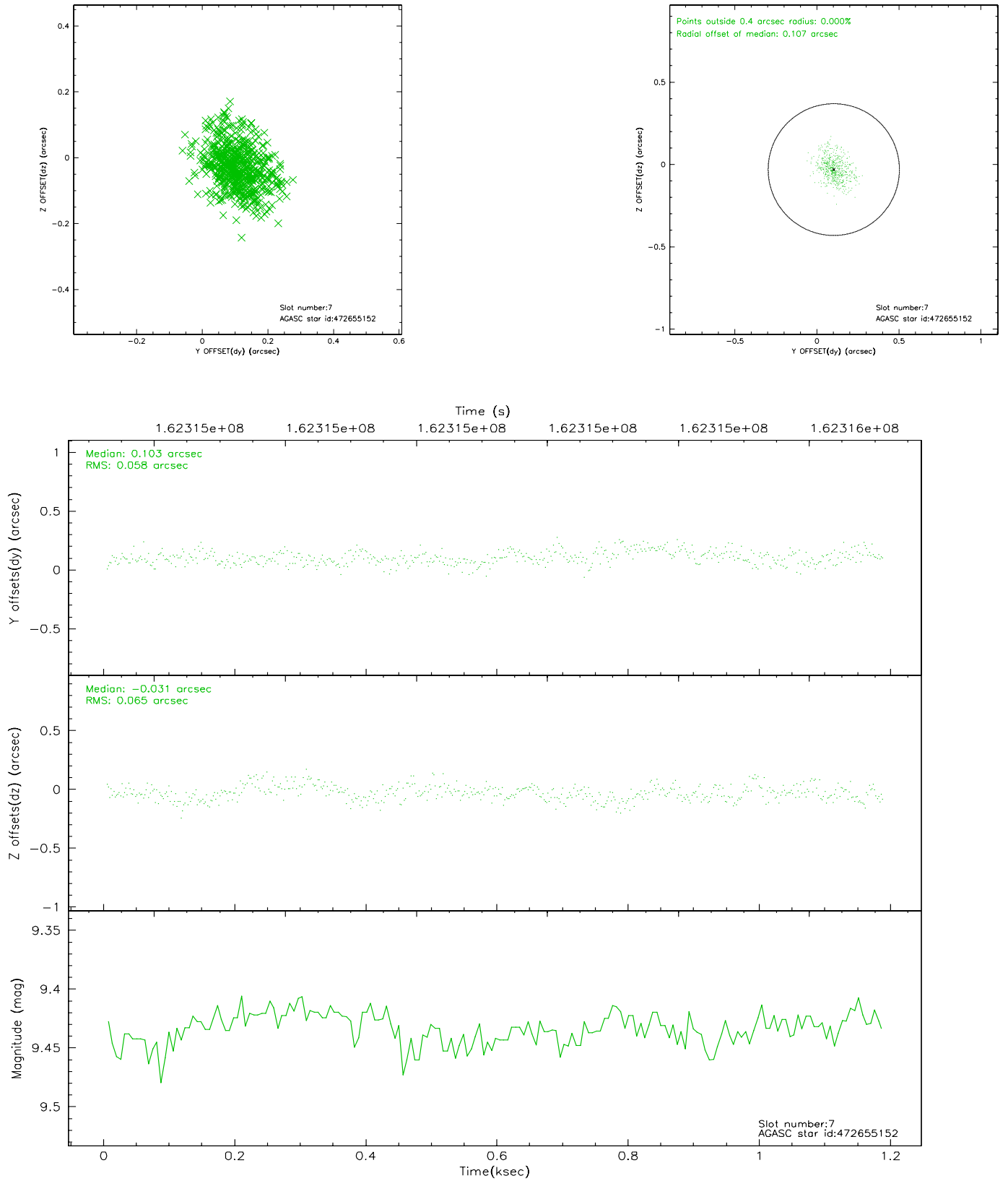
2.4.3 Slot 5



2.4.4 Slot 6

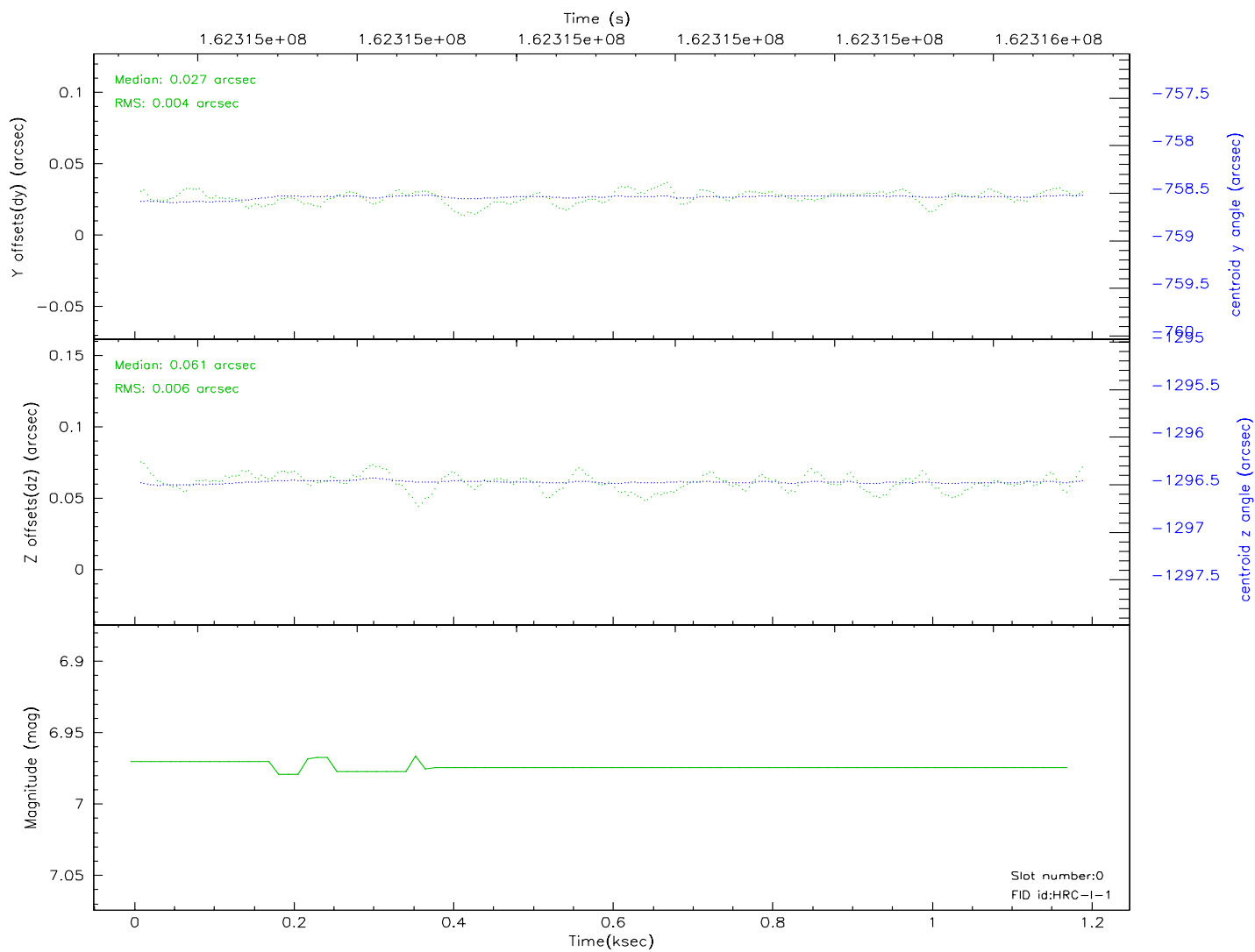
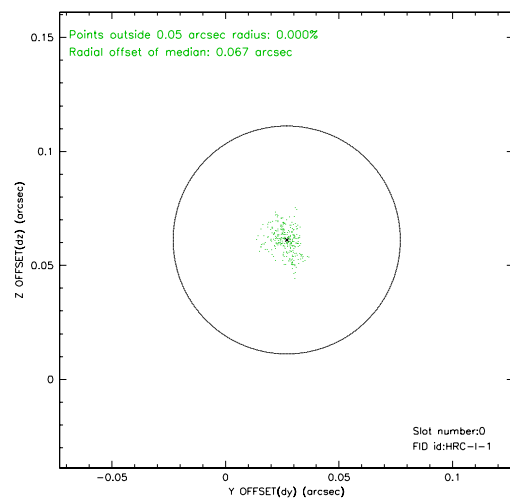
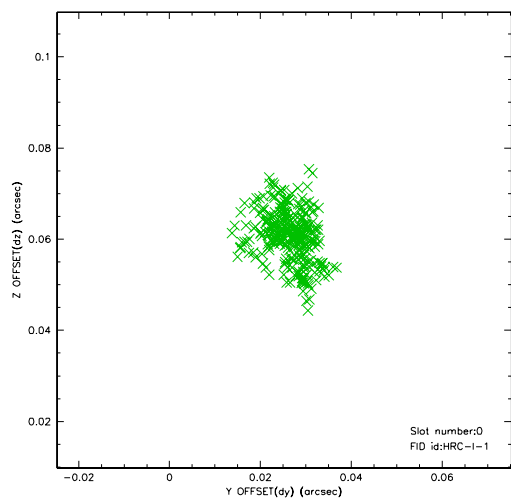


2.4.5 Slot 7

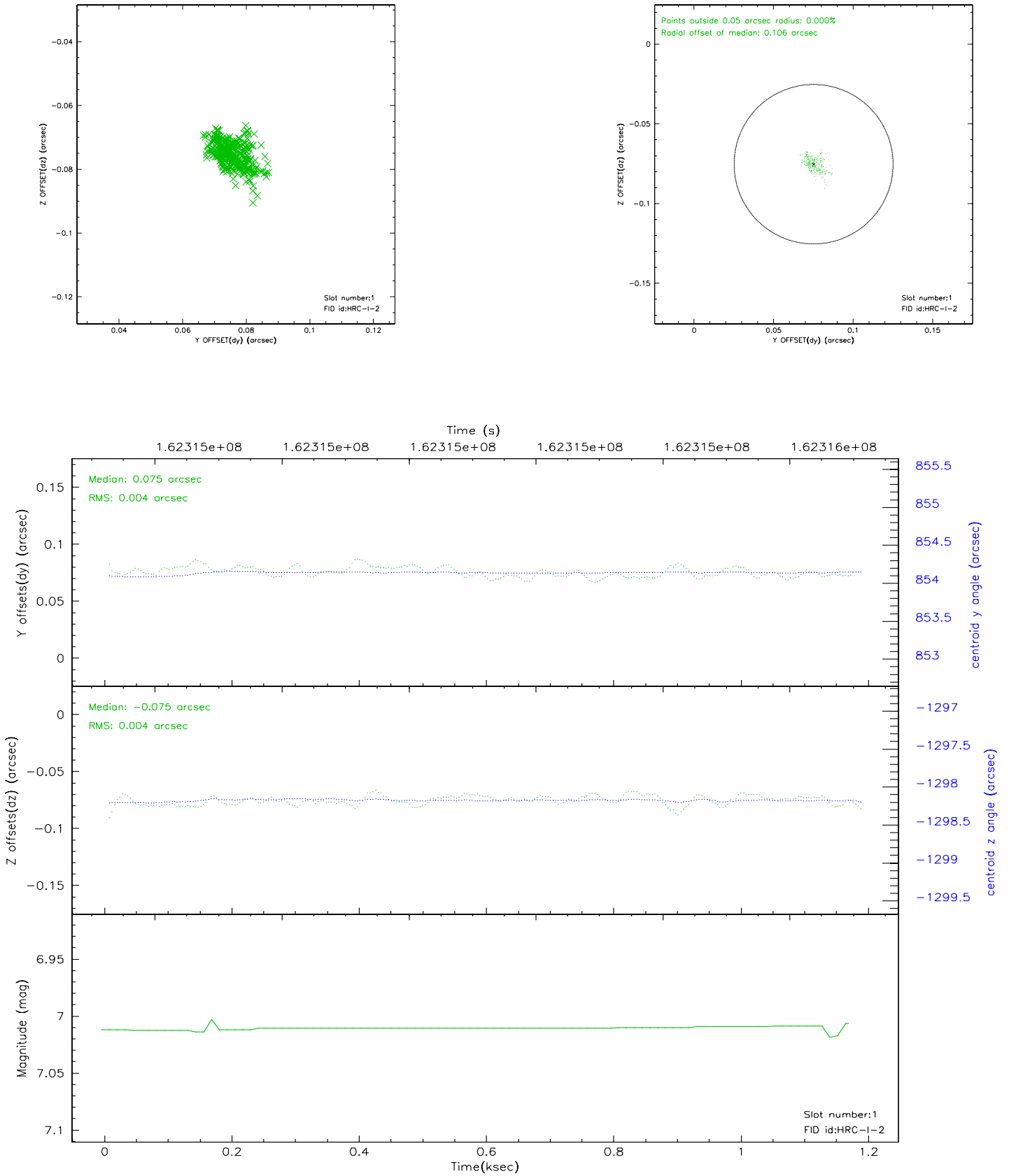


2.5 FID Slots

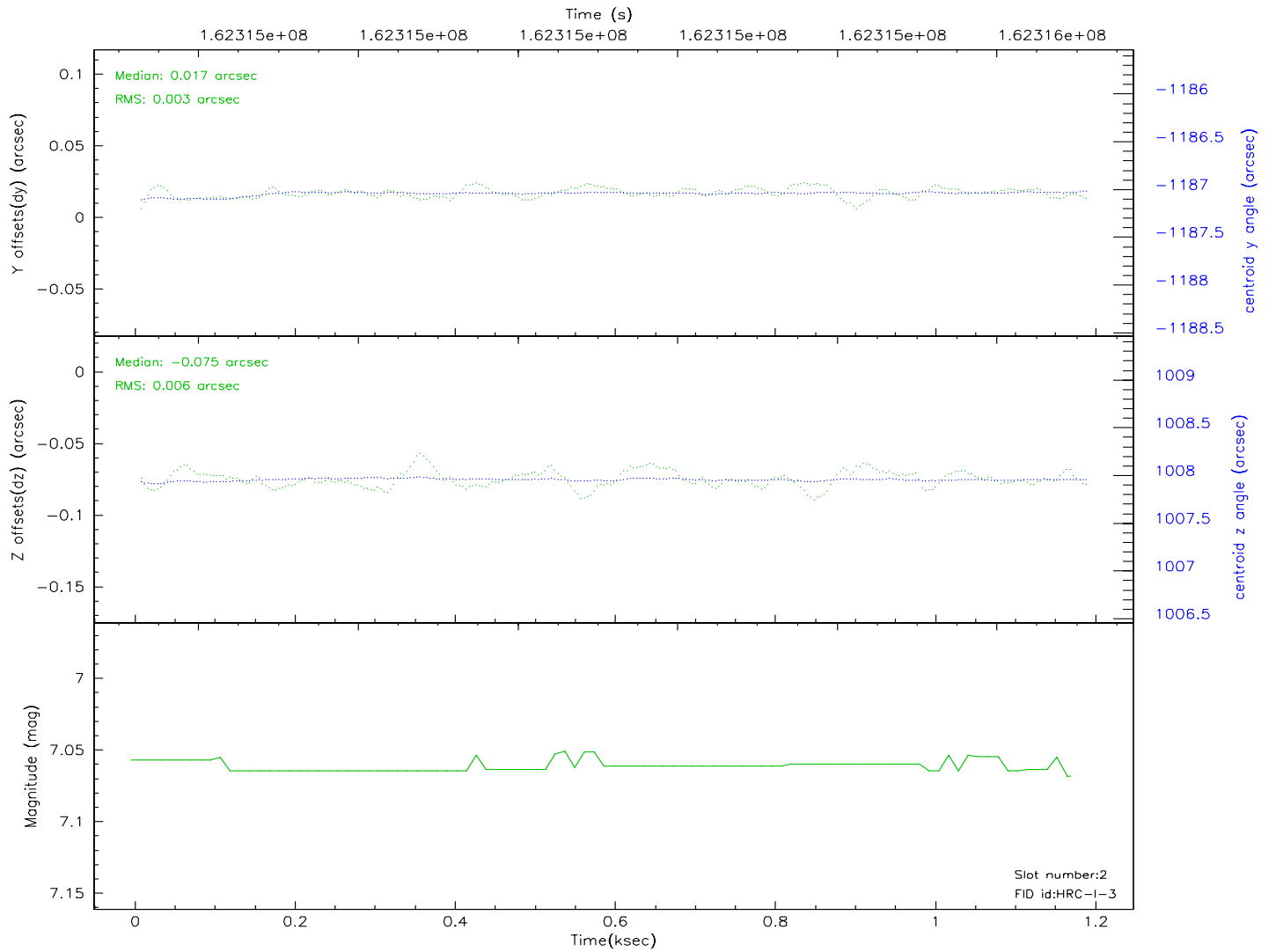
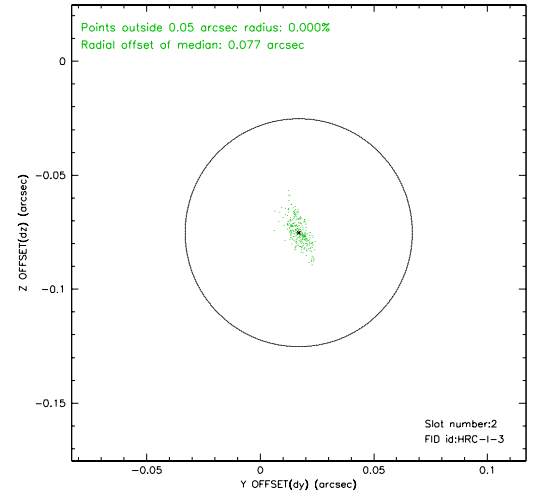
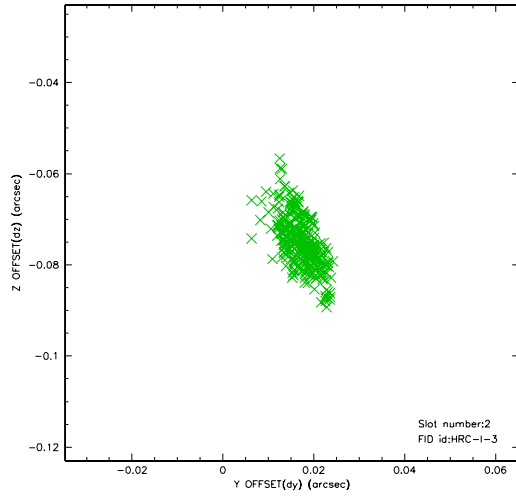
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.184

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.