

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4299 - L2 Version 3
Chandra X-Ray Center

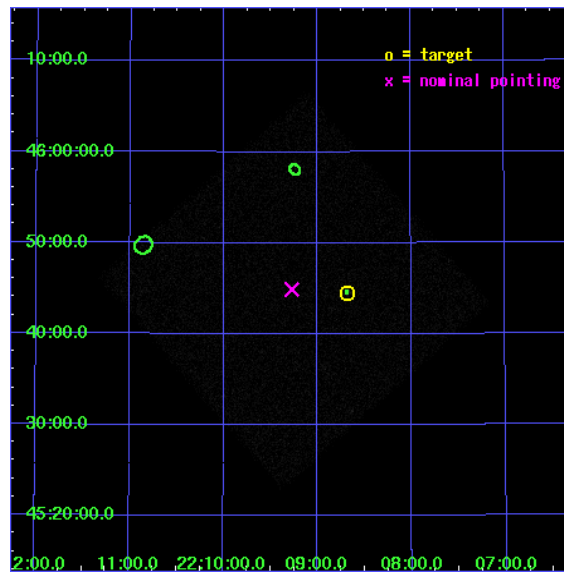
L2 Processing Date : Nov 21 2007

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1 Front

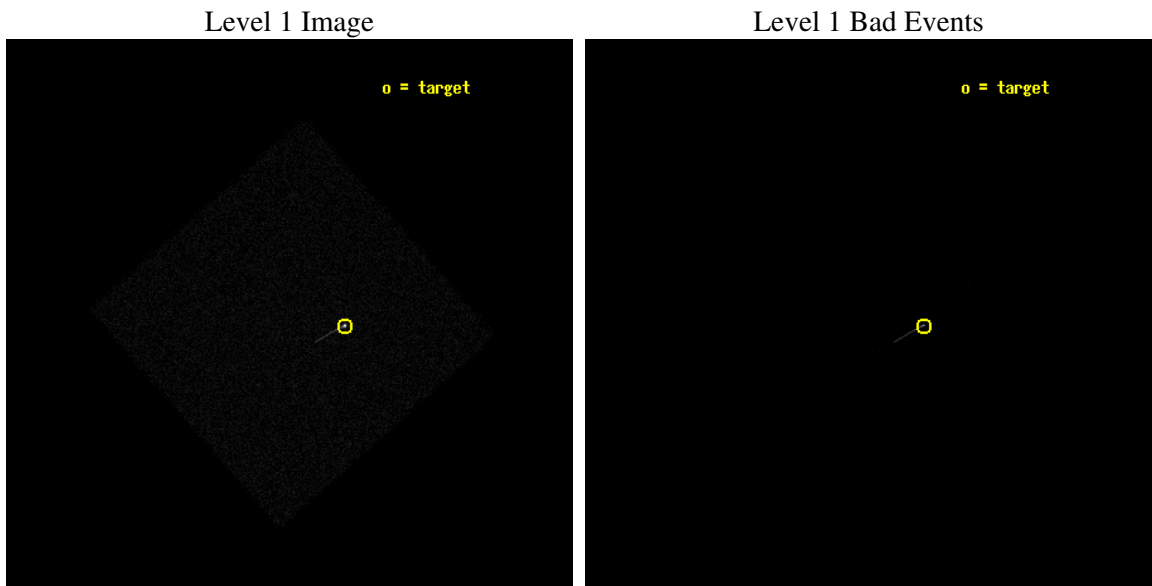
seq_num	290259
obs_id	4299
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.31811091646
dec_nom	45.748354656069
roll_nom	3.5892203059755
revision	3
ontime	1188.2312999368
livetime	1181.6762121469
l2events	37576



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	2007-11-22T03:08:59
revision	3

sched_exp_time	1000.000000
ontime	1188.2312999368
l1events	67962

2.1.3 Events

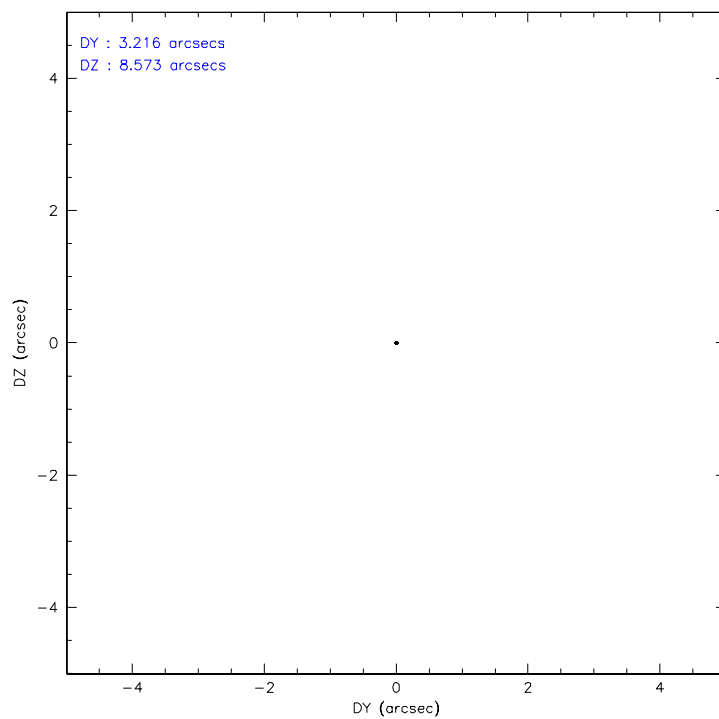
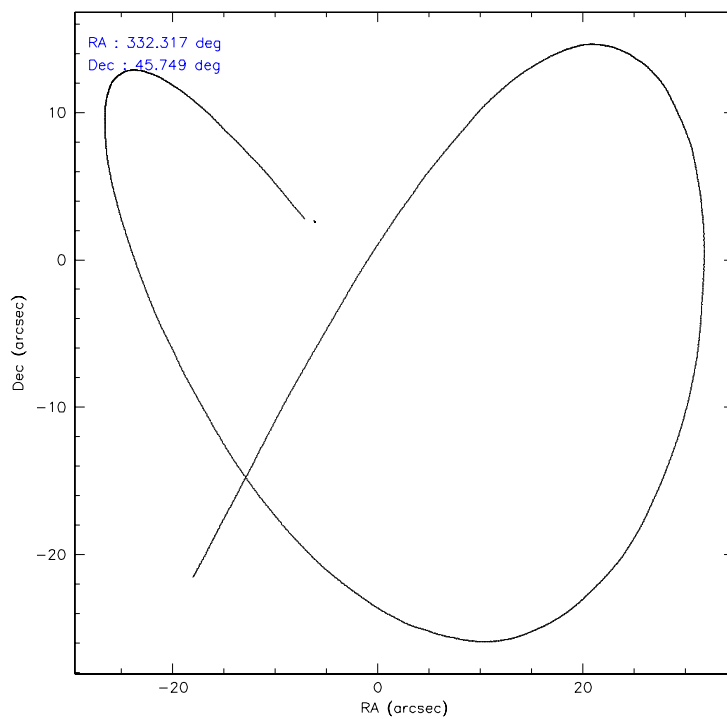
Level 1 Events

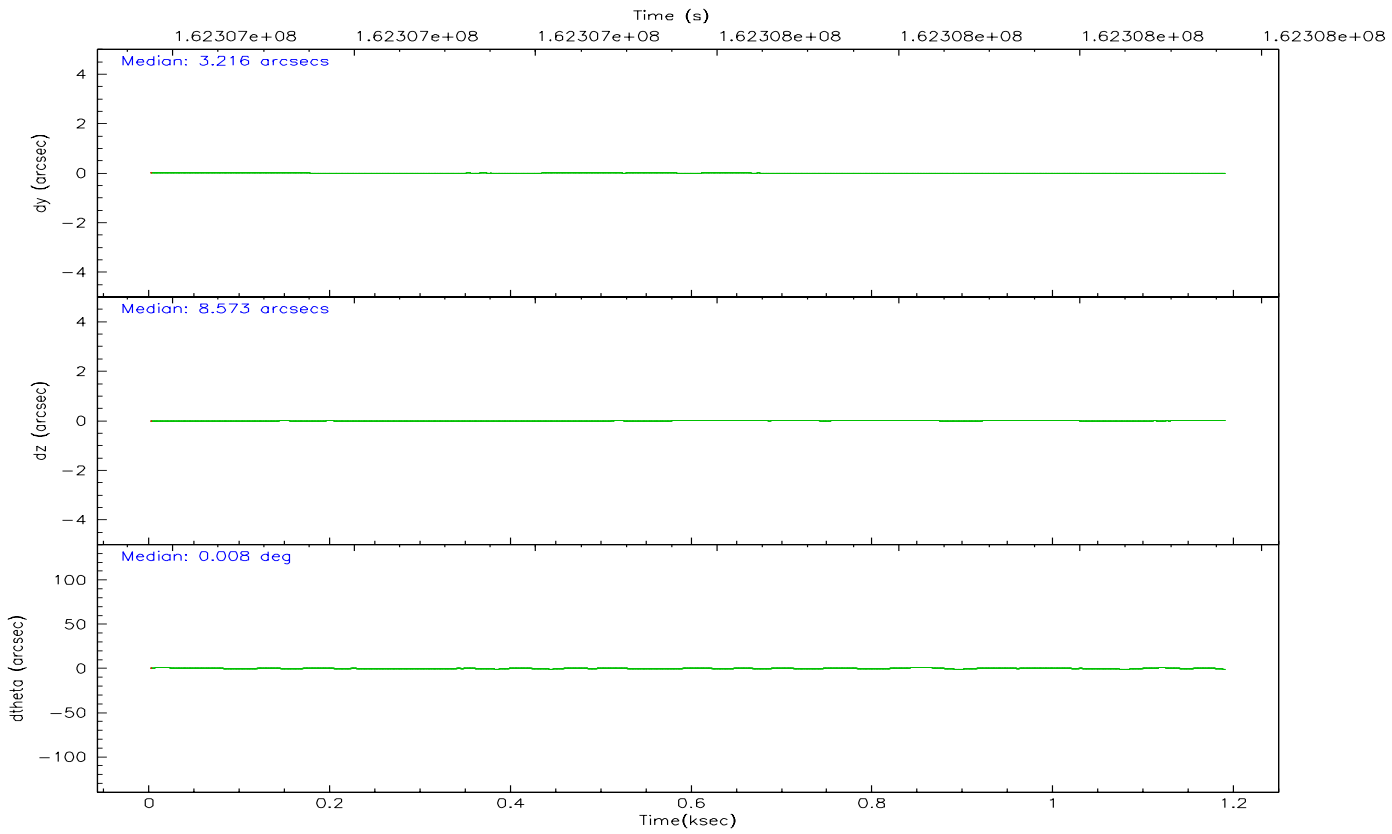
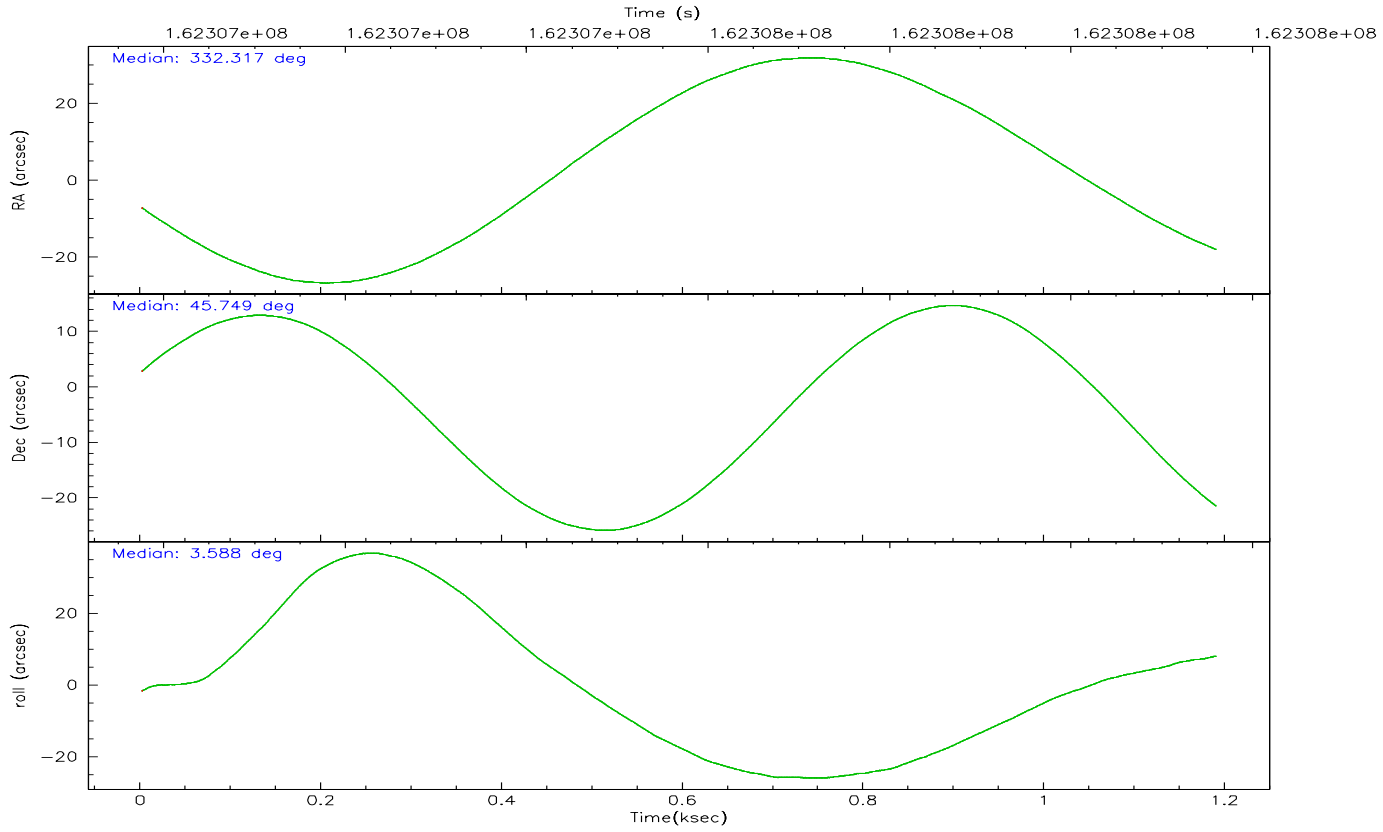
	segment 0
level 1 events	67962
rejected events	14583
rejected %	21%

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	332.286805	332.318110916456			
Pointing Dec	45.731943	45.74835465606928			
Pointing Roll	3.707086	3.589220305975504			
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	162307168.184000	162306792.09511			
Observation start date	2003-02-22T13:18:24	2003-02-22T13:13:12			
Observation end time	162308168.184000	162308301.92018			
Observation end date	2003-02-22T13:35:04	2003-02-22T13:38:21			

2.3 Aspect



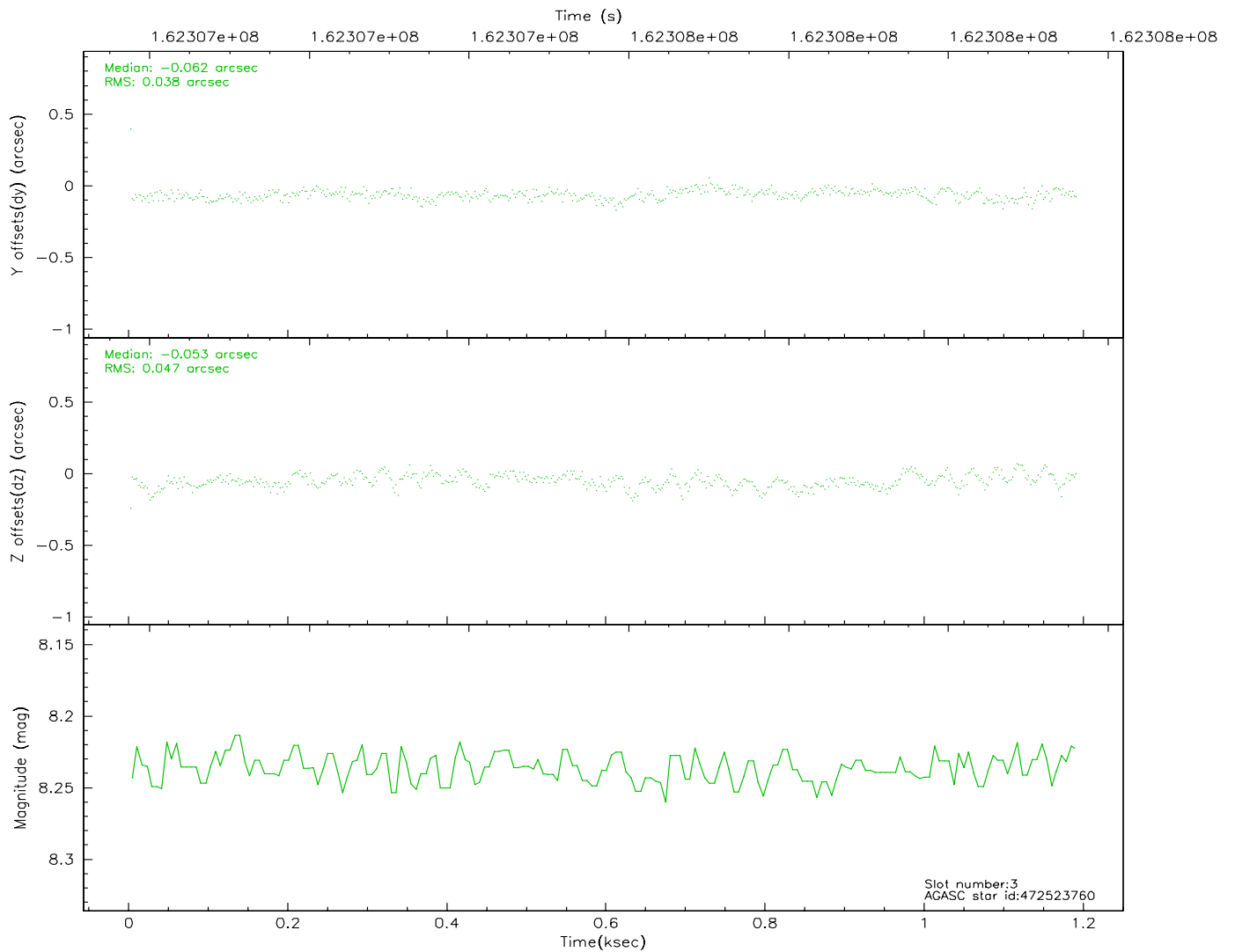
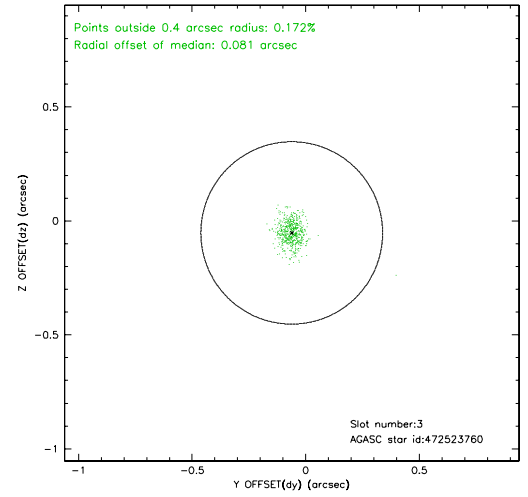
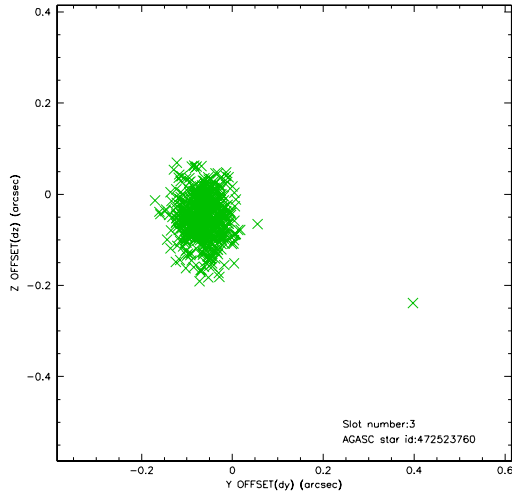


Slot Statistics

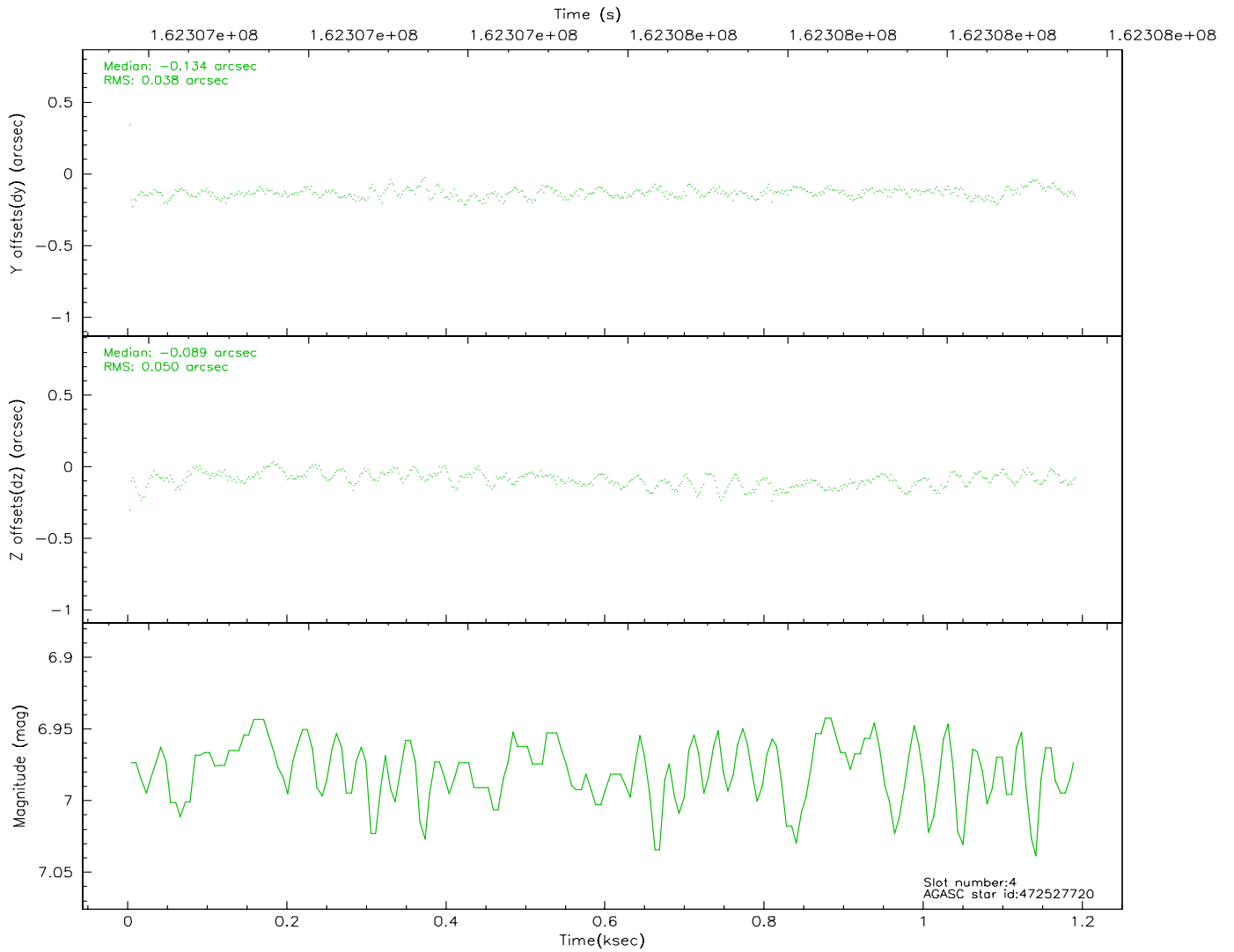
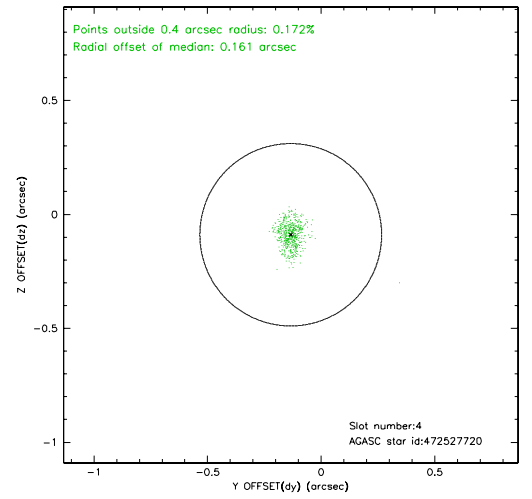
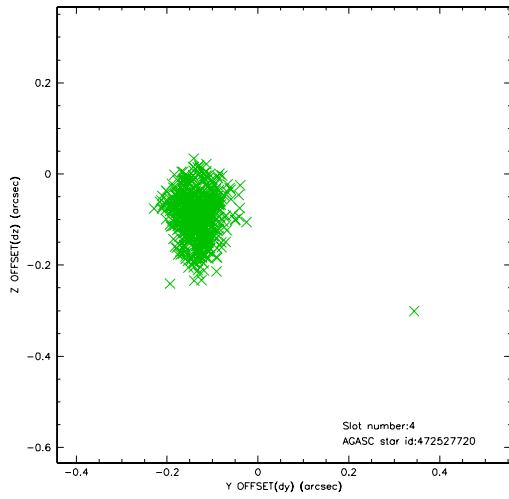
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	291	0.021	0.061	0.006	0.010	0.000000	0.000000	-758.67	-1296.45
1	FID	HRC-I-2	7.01	291	0.086	-0.081	0.005	0.010	0.000000	0.000000	851.42	-1302.61
2	FID	HRC-I-3	7.06	291	0.012	-0.069	0.005	0.010	0.000000	0.000000	-1184.24	1003.50
3	GUIDE	472523760	8.24	581	-0.062	-0.053	0.059	0.105	331.645363	45.403260	-1692.71	-1072.79
4	GUIDE	472527720	6.98	581	-0.134	-0.089	0.063	0.101	331.460205	45.112509	-2240.84	-2083.98
5	GUIDE	472655152	9.43	580	0.141	0.042	0.107	0.175	332.504239	45.862991	572.20	429.55
6	GUIDE	472659832	9.46	581	0.039	0.075	0.097	0.154	332.780399	46.098139	1317.45	1237.38
7	GUIDE	472654568	9.43	580	0.021	0.035	0.131	0.220	332.194449	45.063576	-386.23	-2386.81

2.4 Star Slots

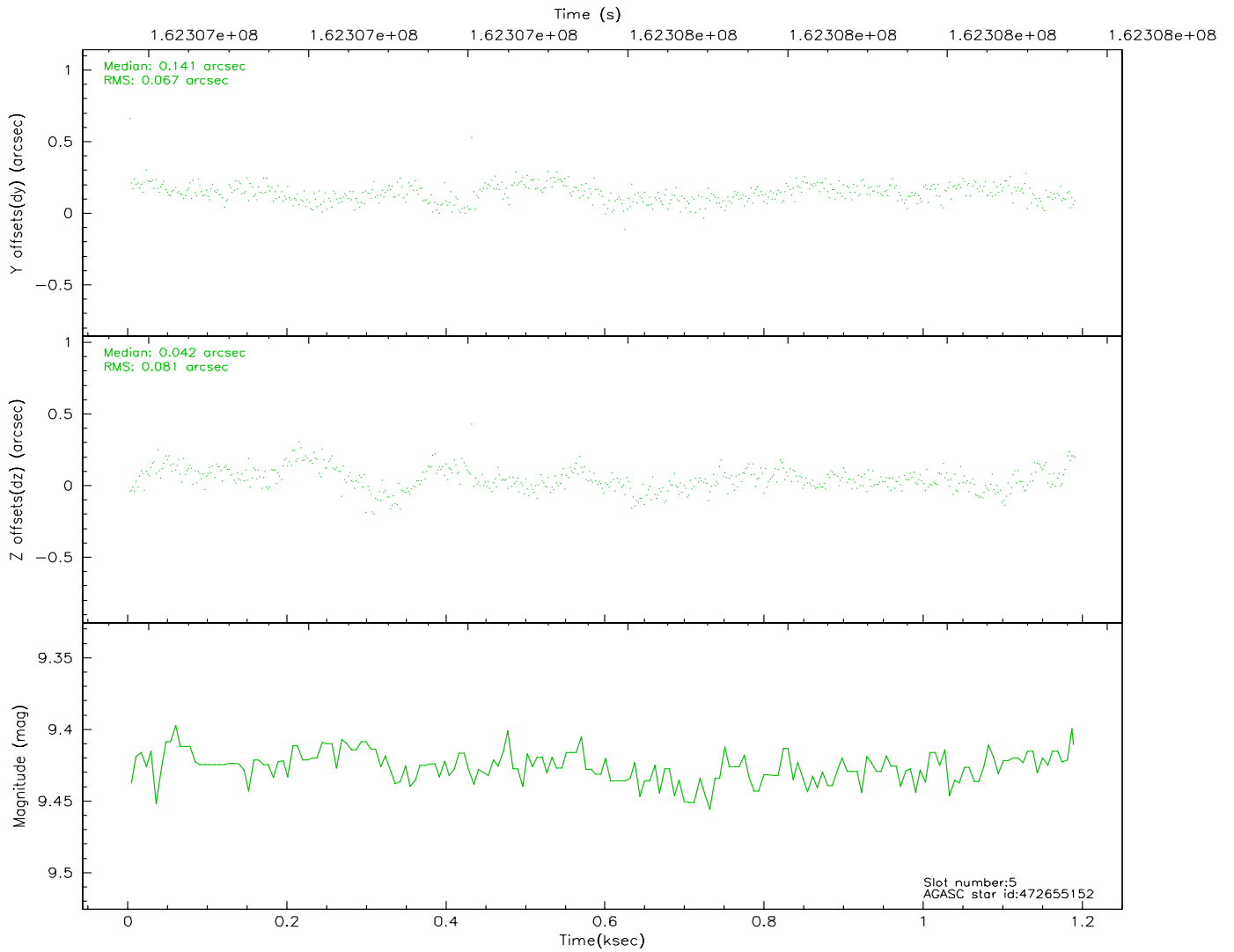
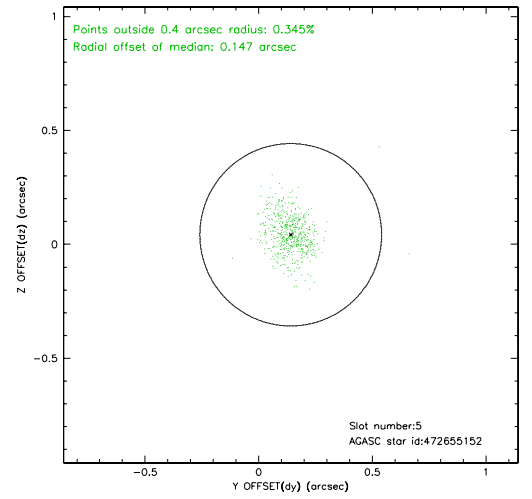
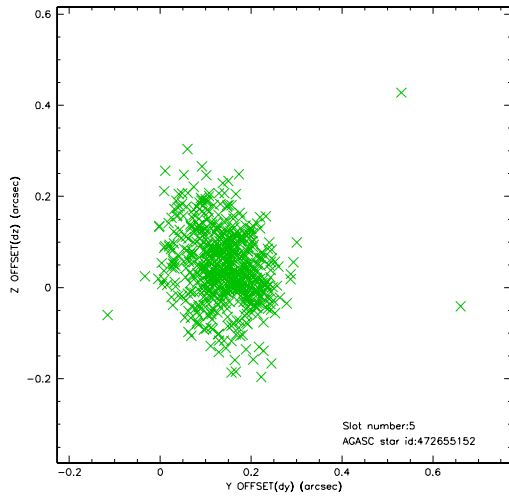
2.4.1 Slot 3



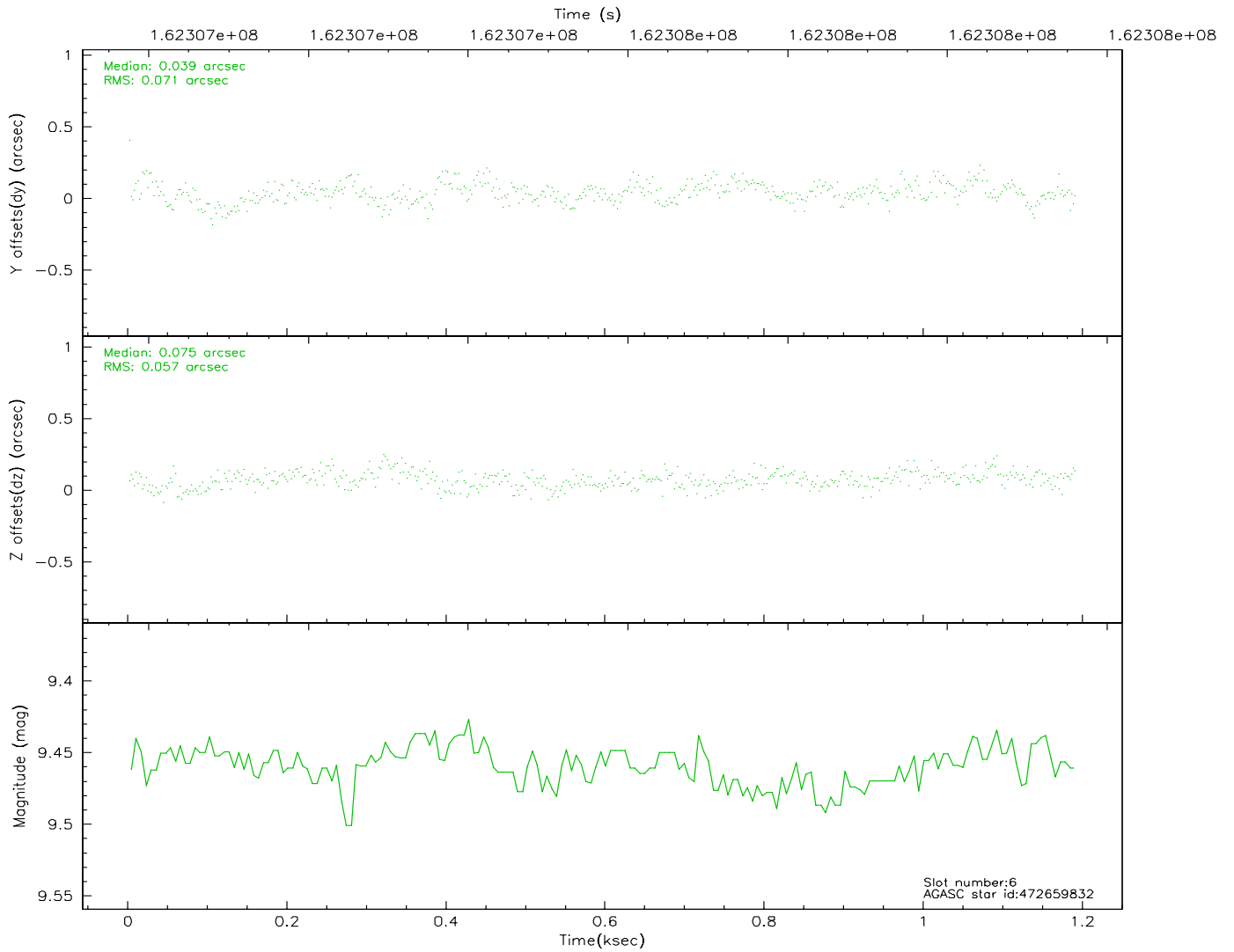
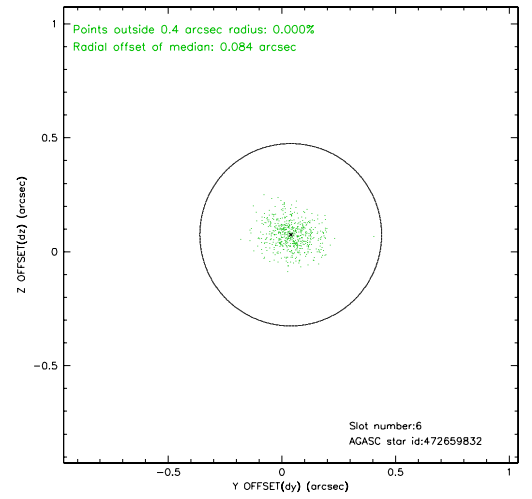
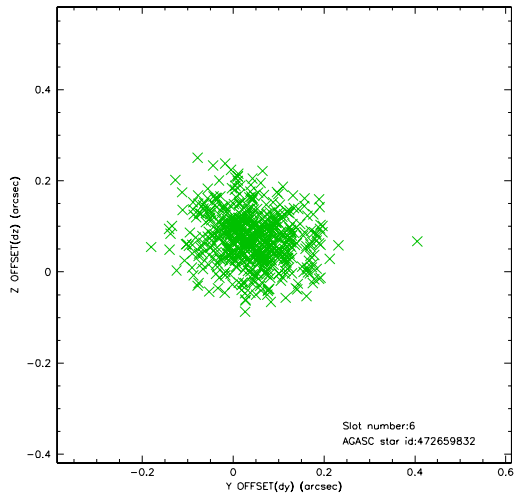
2.4.2 Slot 4



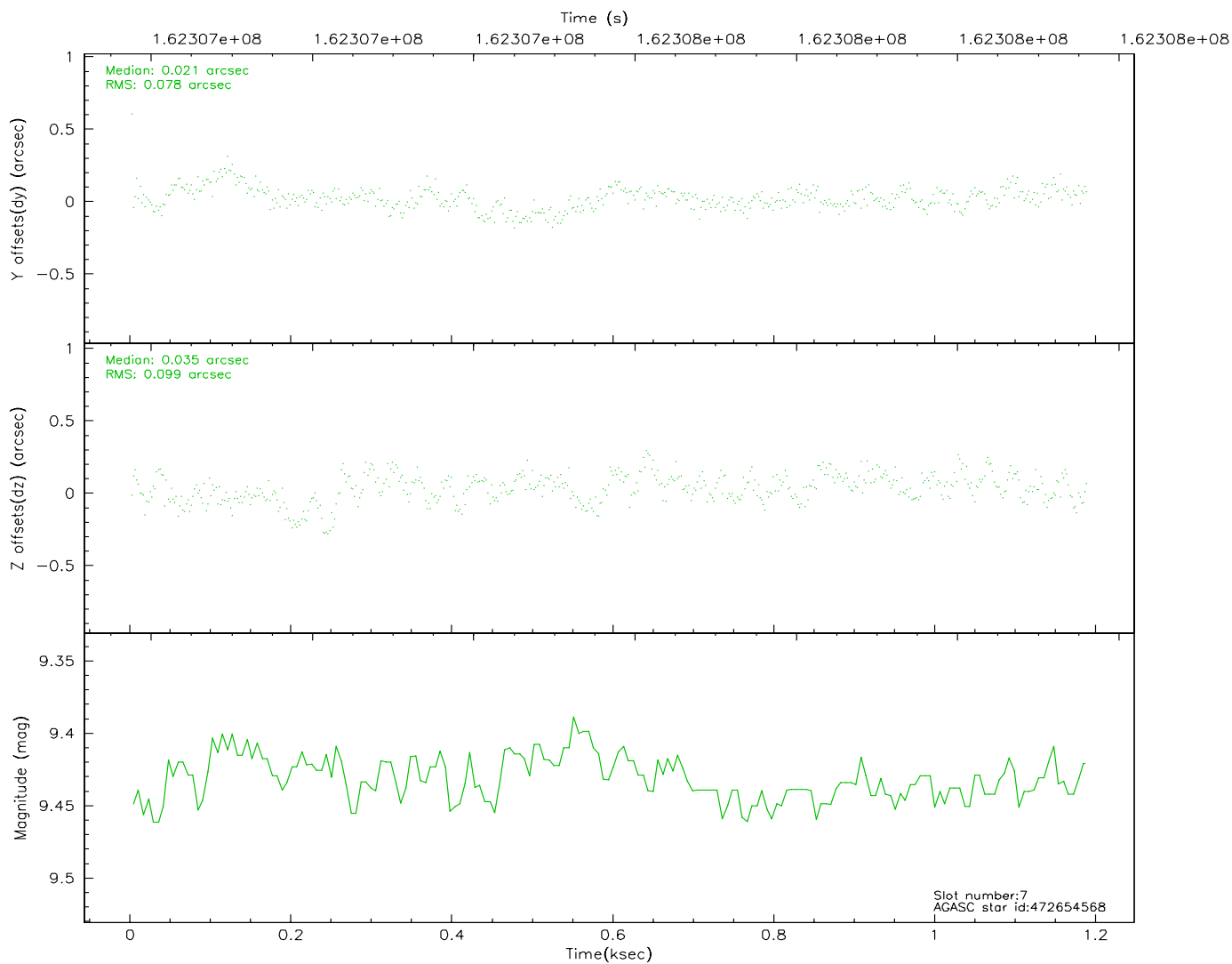
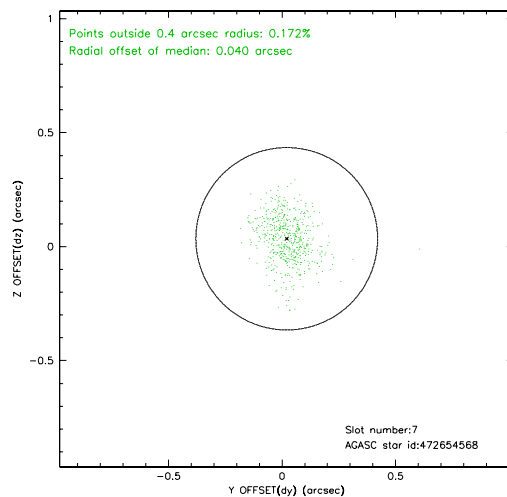
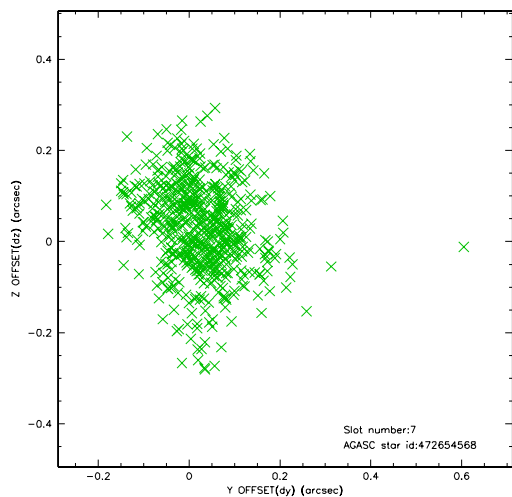
2.4.3 Slot 5



2.4.4 Slot 6

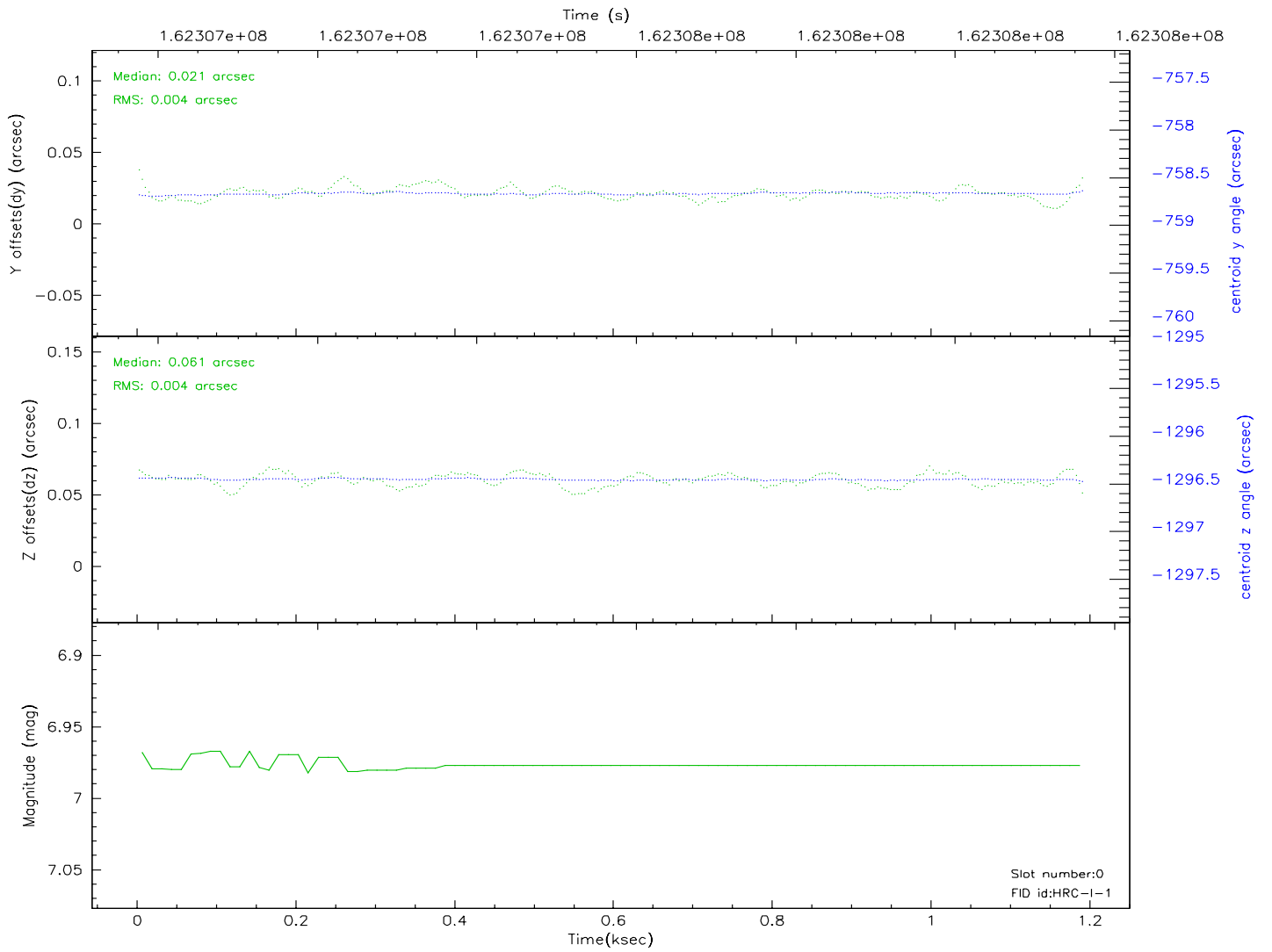
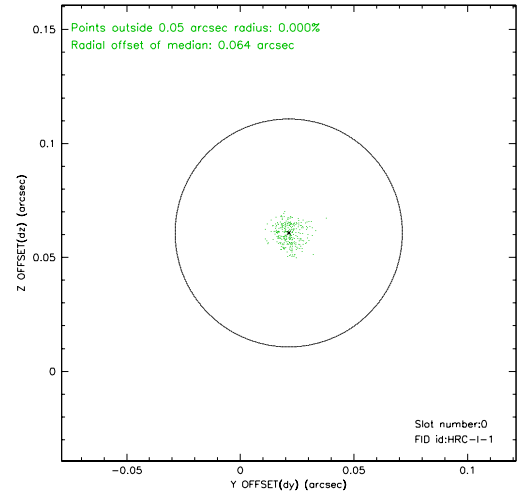
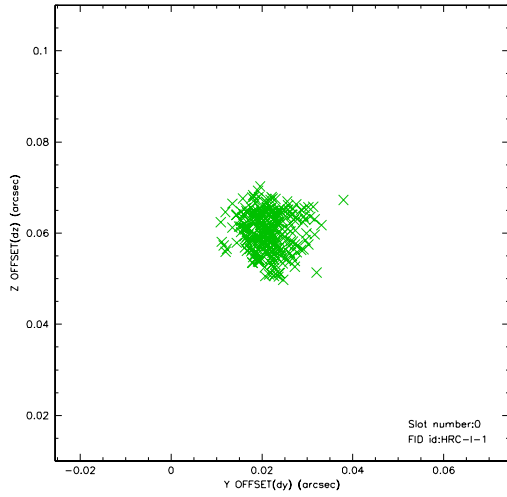


2.4.5 Slot 7

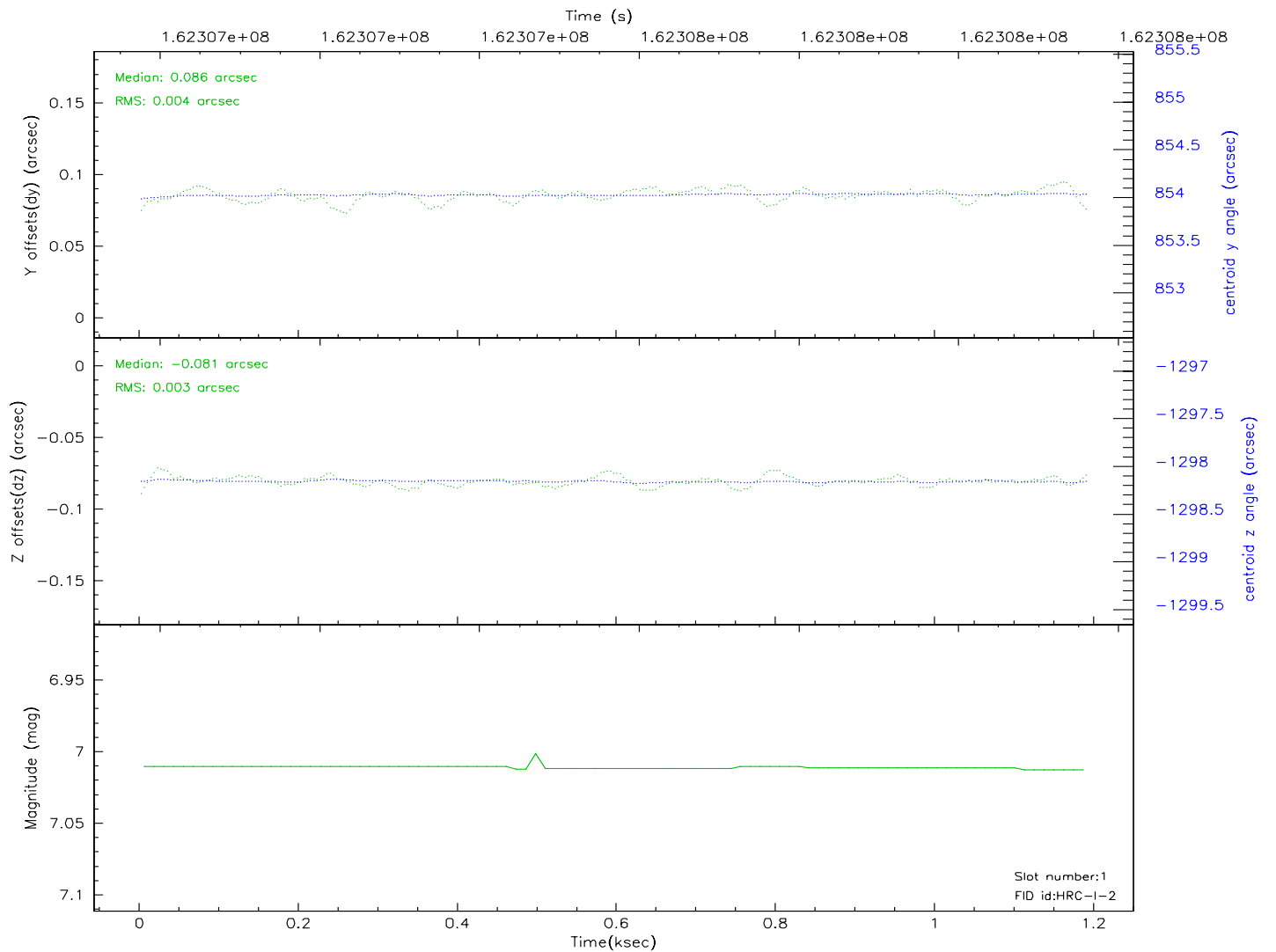
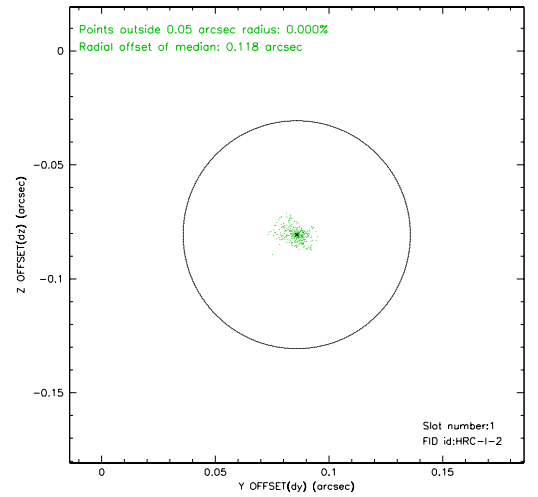
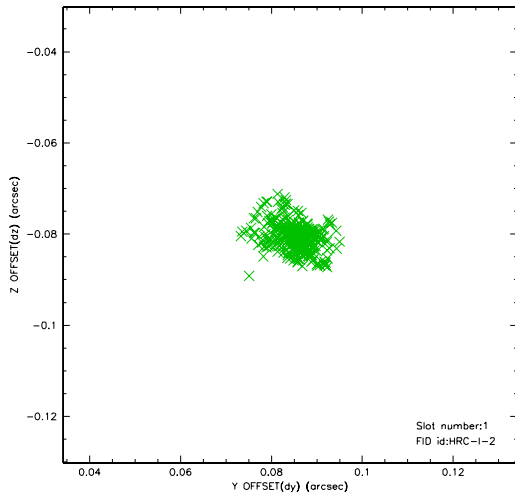


2.5 FID Slots

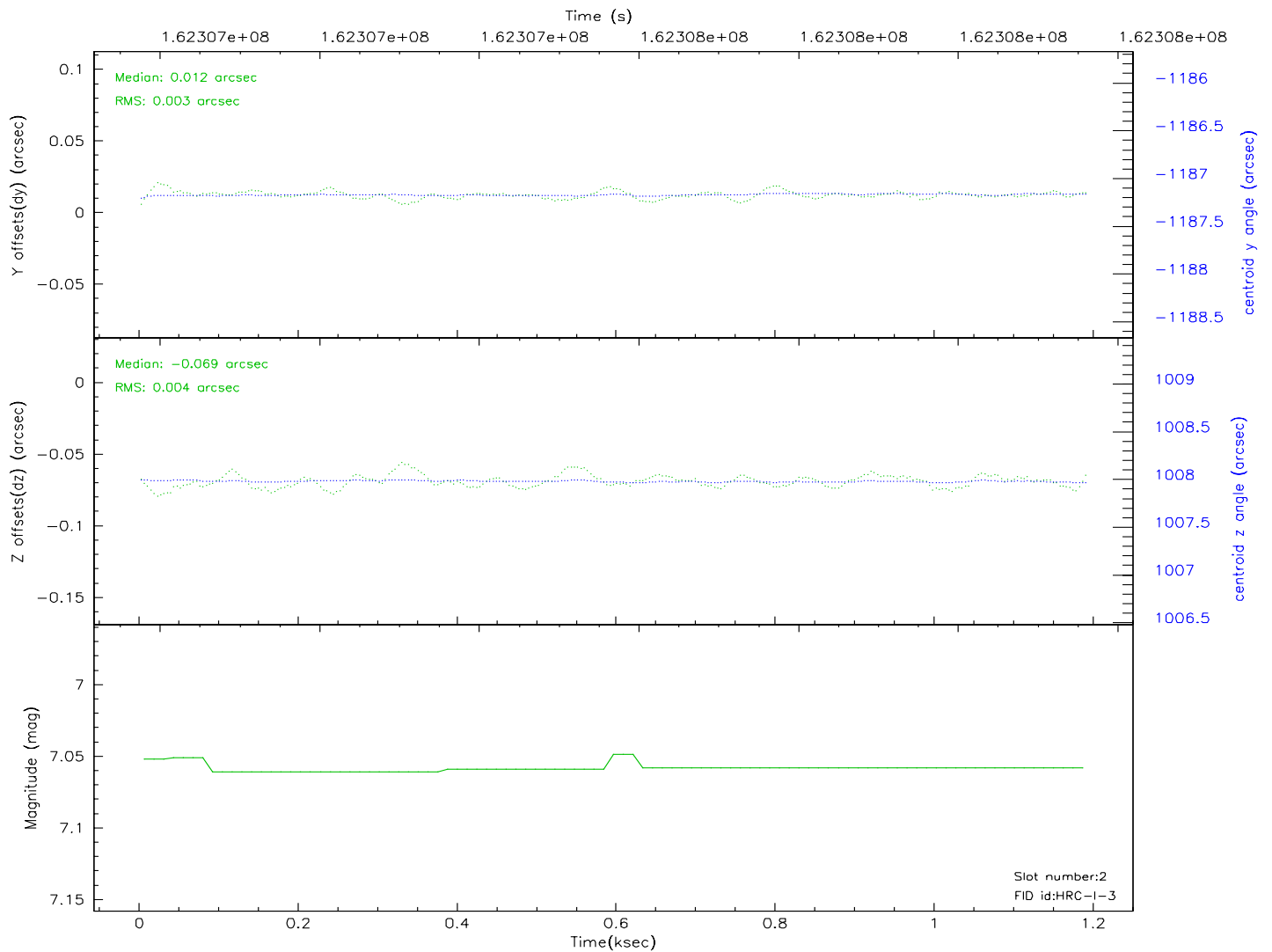
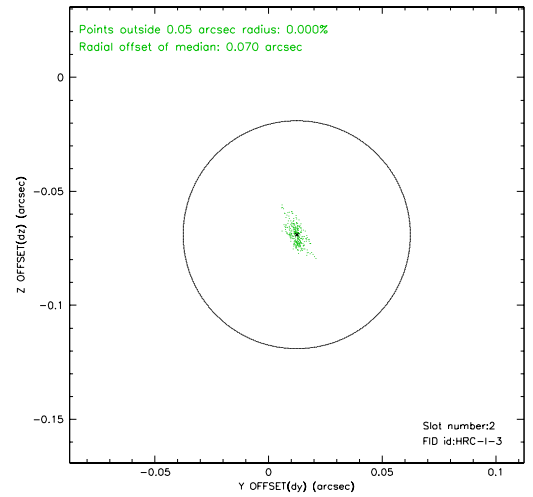
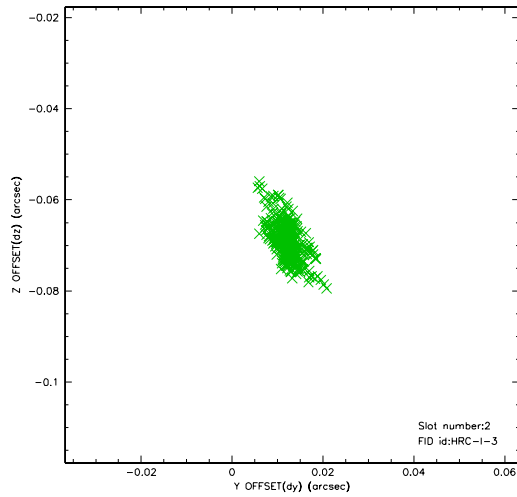
2.5.1 Slot 0



2.5.2 Slot 1

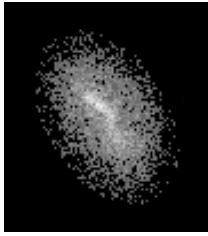


2.5.3 Slot 2

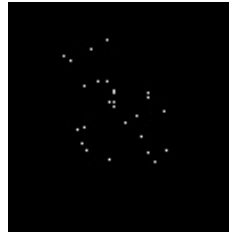


3 Point Sources

6.20 arcmin



13.13 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	1.188

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.