

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10595 - L2 Version 3
Chandra X-Ray Center

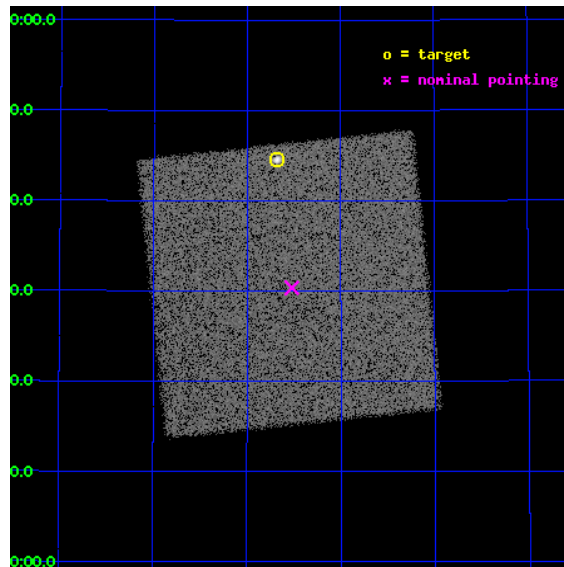
L2 Processing Date : Aug 13 2012

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1 Front

seq_num	290831	Sequence number
obs_id	10595	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13037311617	Nominal RA [deg]
dec_nom	45.506082197702	Nominal Dec [deg]
roll_nom	218.93702320466	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1186.1813096404	[s]
livetime	1171.4310389179	Ontime multiplied by DTCOR
l2events	93208	Number of level 2 events

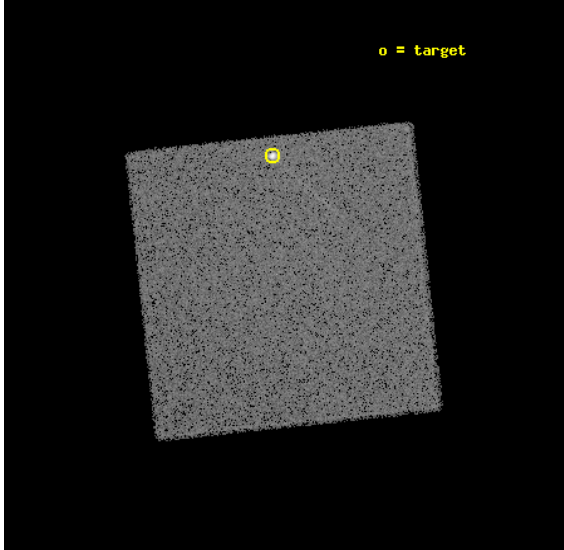


2 OBI

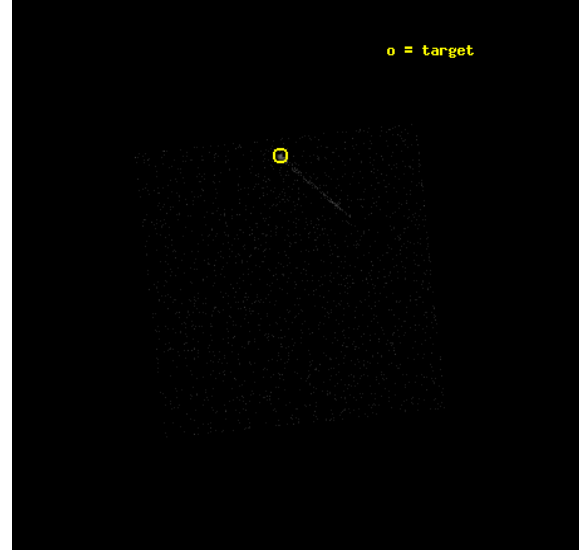
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1186.1813096404	[s]
caldbver	4.5.1.1	 	l1events	171388	Number of level 1 events
date	2012-08-13T14:48:25	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

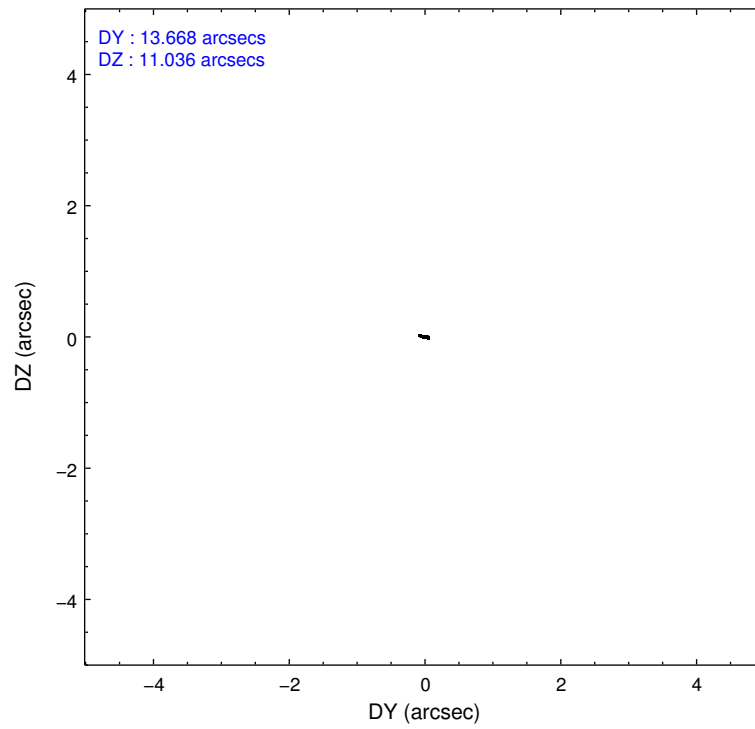
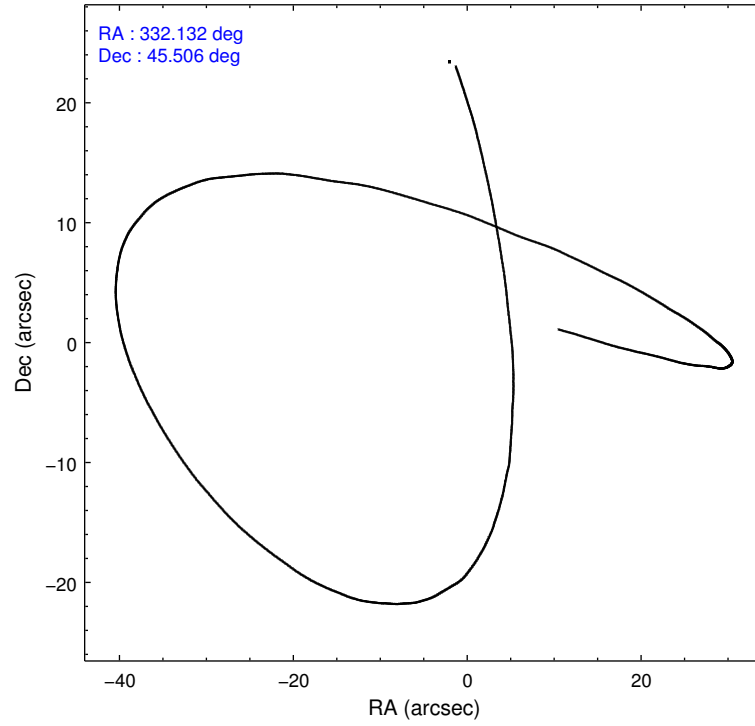
Level 1 Events

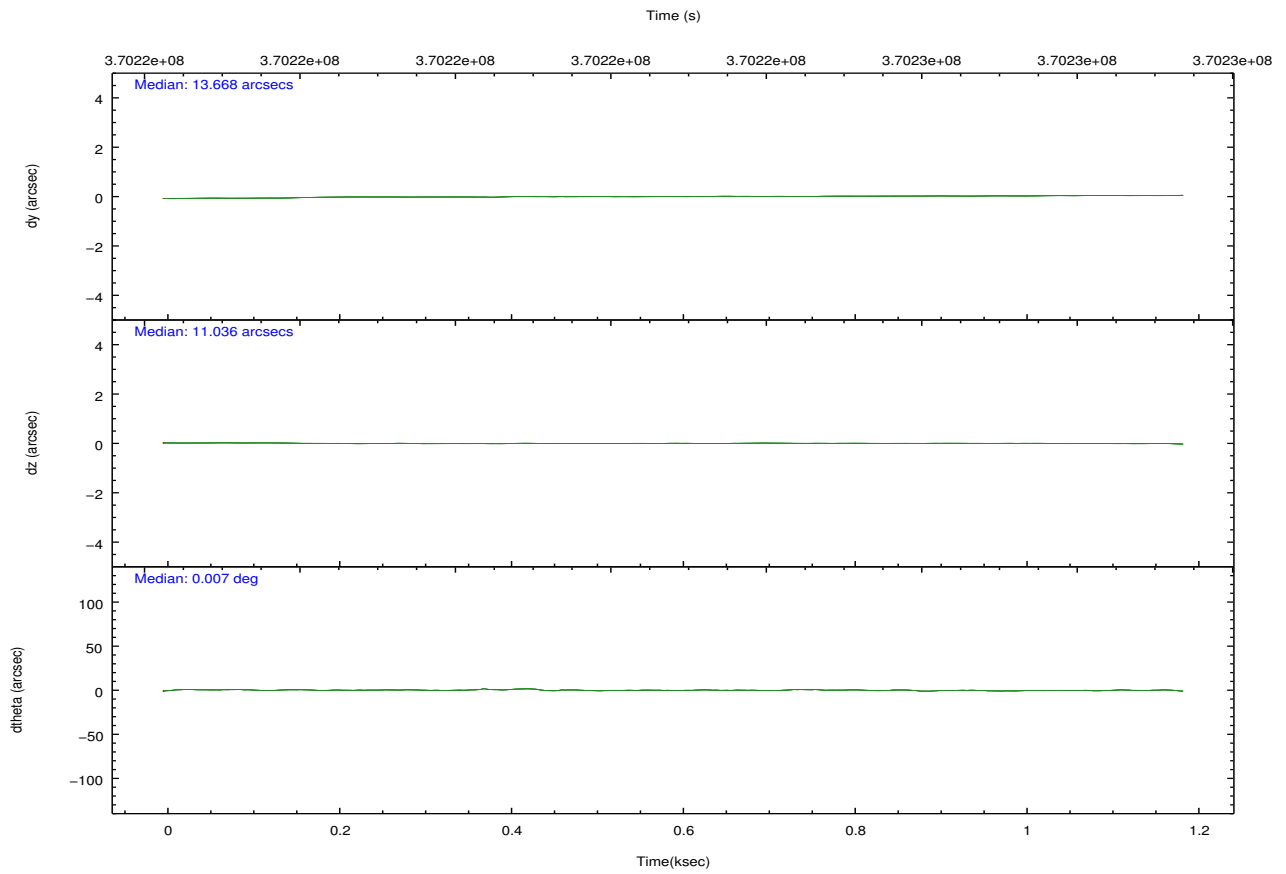
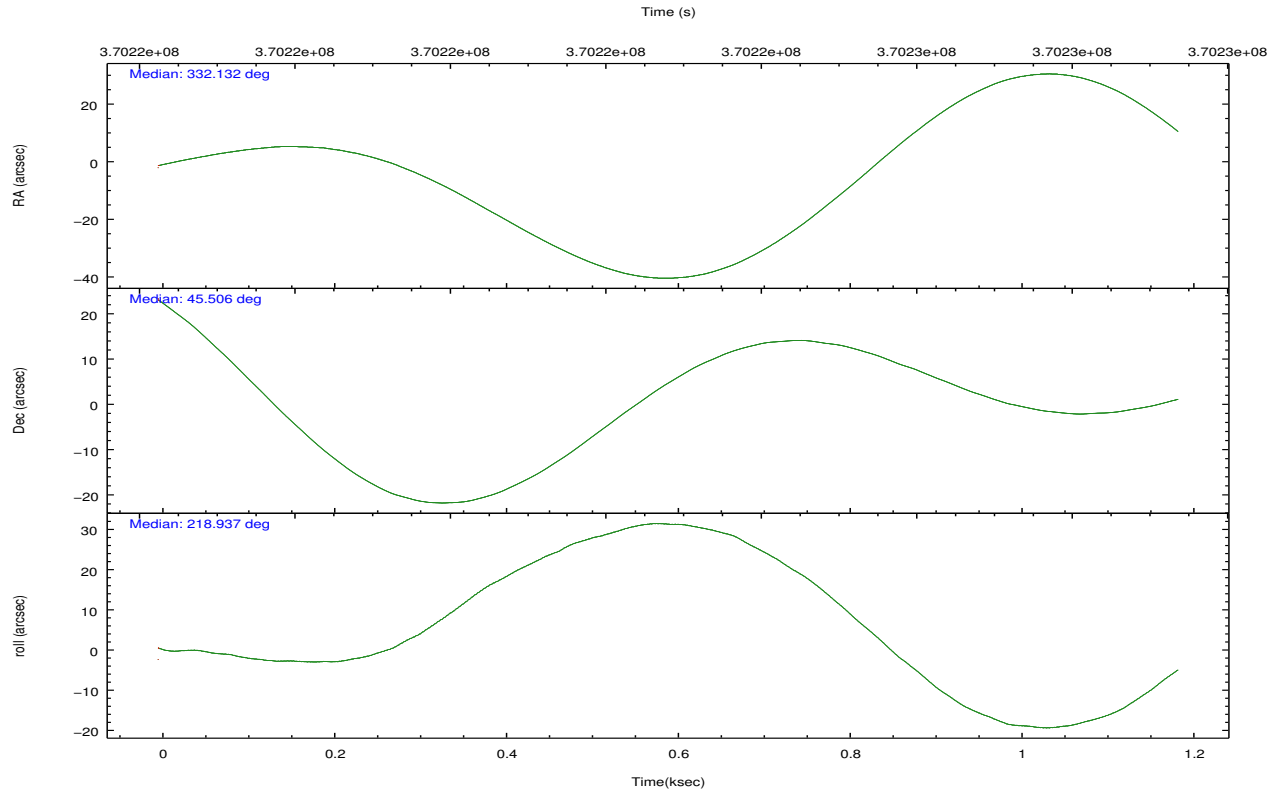
	segment 0
level 1 events	171388
rejected events	36916
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	332.142226	332.1303731161711			
[deg] Pointing Dec	45.532234	45.5060821977015			
[deg] Pointing Roll	219.024060	218.9370232046577			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9804656746847			
[mm] SIM translation stage offset	0	0.005023216916882234			
[s] Observation start time (MET)	370224469.184000	370224093.5099			
Observation start date	2009-09-25T00:06:43	2009-09-25T00:01:33			
[s] Observation end time (MET)	370225469.184000	370225603.33497			
Observation end date	2009-09-25T00:23:23	2009-09-25T00:26:43			

2.3 Aspect





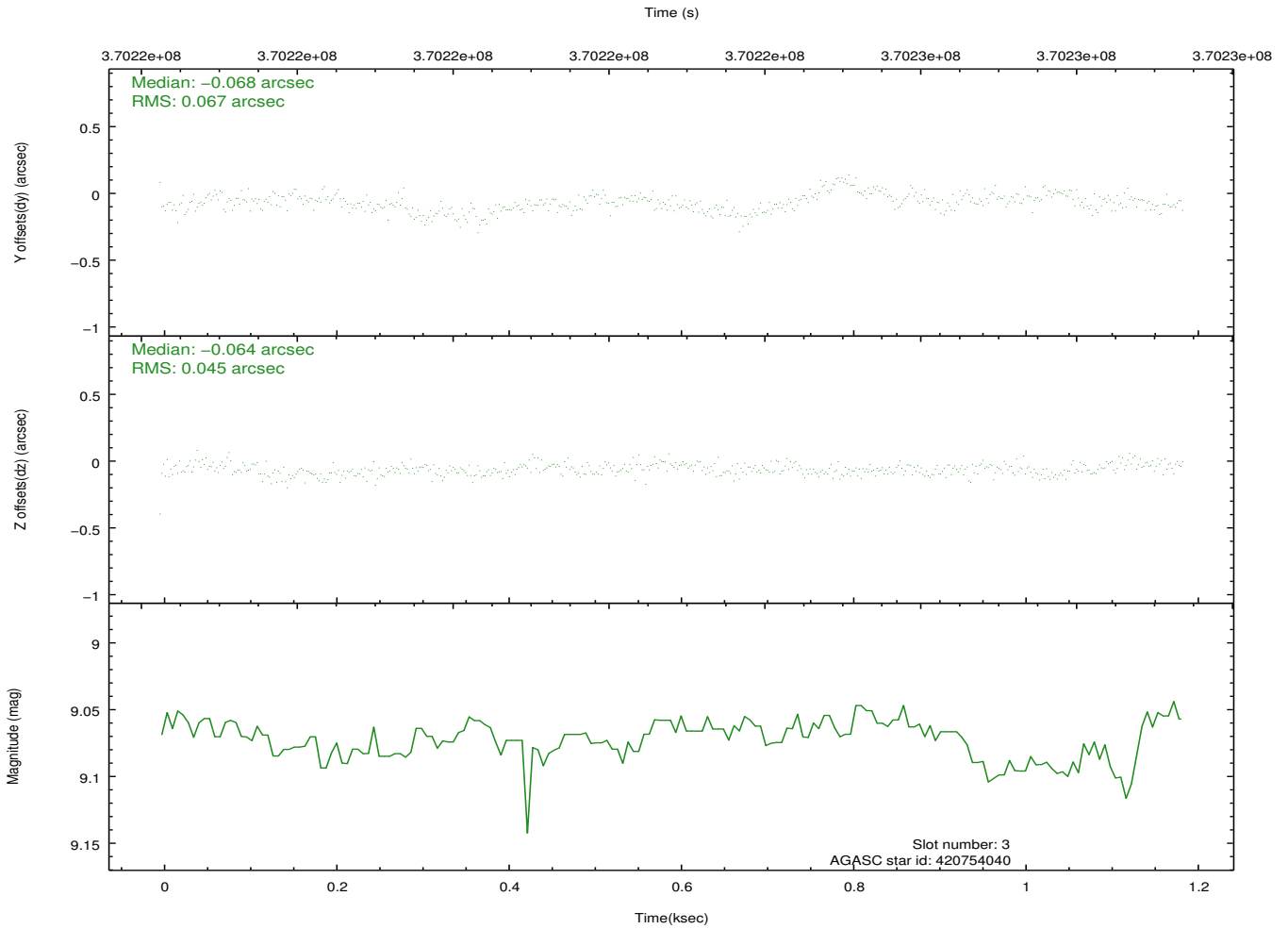
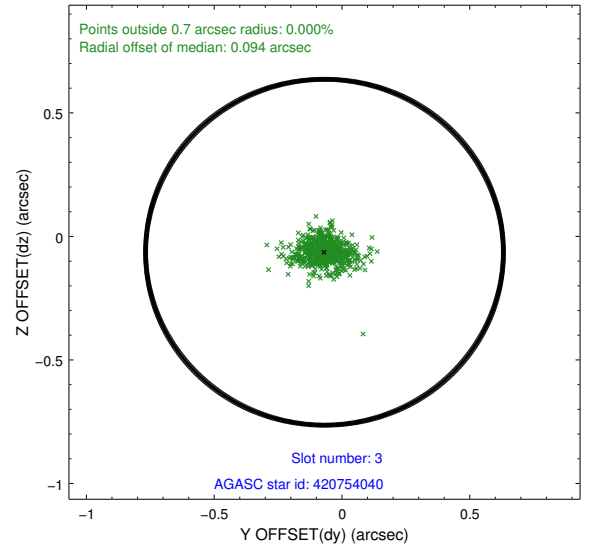
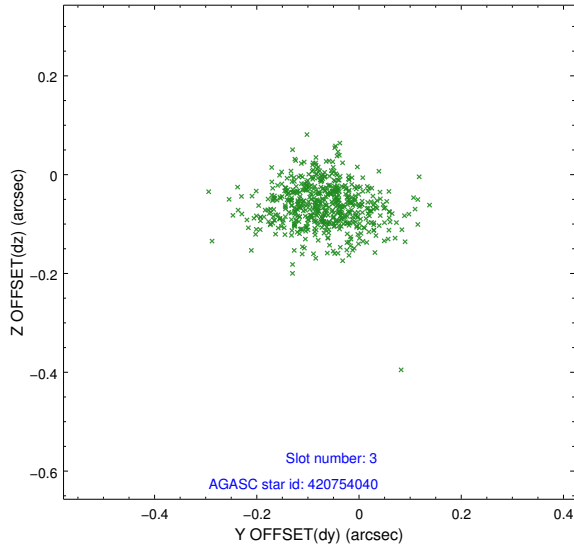
Slot Statistics

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	289	-0.085	0.000	0.008	0.017	0.000000	0.000000	-769.48	-1298.97
1	FID	HRC-I-2	7.02	290	0.232	-0.113	0.008	0.019	0.000000	0.000000	840.81	-1305.09
2	FID	HRC-I-3	7.07	290	-0.027	0.022	0.009	0.026	0.000000	0.000000	-1195.07	1001.10
3	GUIDE	420754040	9.07	580	-0.068	-0.064	0.084	0.142	331.917939	44.882543	1917.13	1453.22
4	GUIDE	472523760	8.24	579	0.142	0.097	0.068	0.107	331.645363	45.403260	1270.66	-433.84
5	GUIDE	472527720	7.01	580	-0.102	-0.058	0.077	0.125	331.460205	45.112509	2296.57	73.00
6	GUIDE	472651904	6.14	580	-0.029	-0.019	0.072	0.125	332.170077	45.742257	-524.86	-547.21
7	GUIDE	472655152	9.43	579	0.043	0.034	0.111	0.175	332.504239	45.862991	-1455.40	-359.25

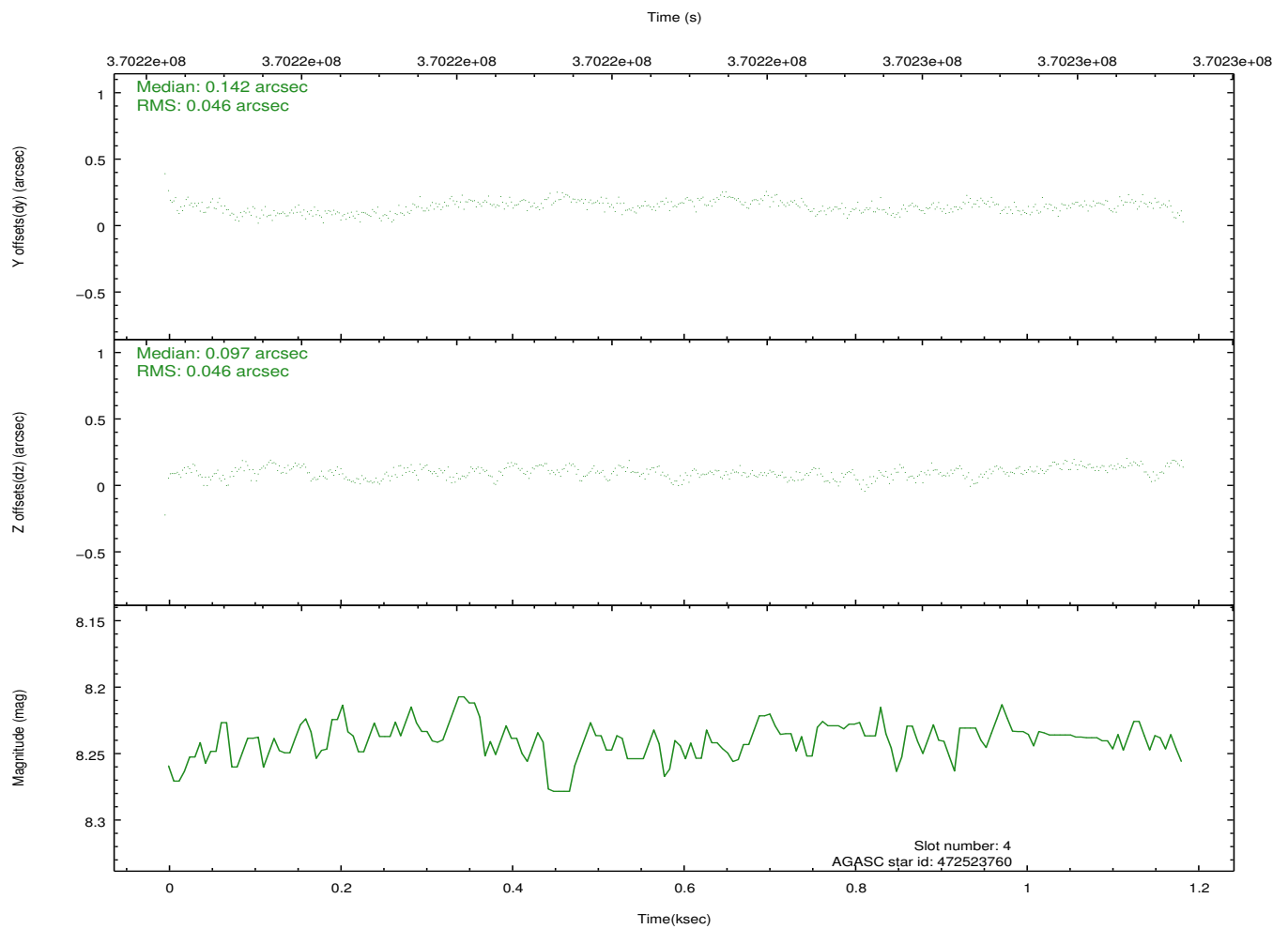
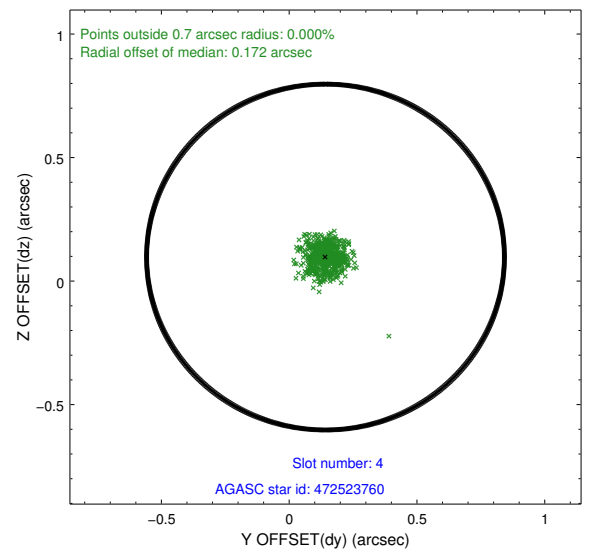
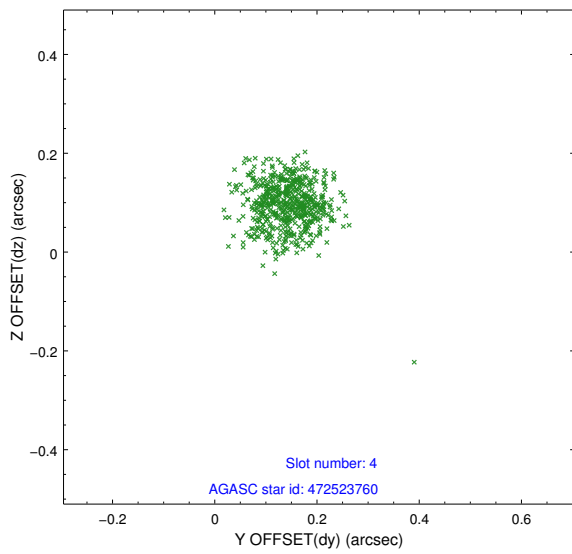
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2.4 Star Slots

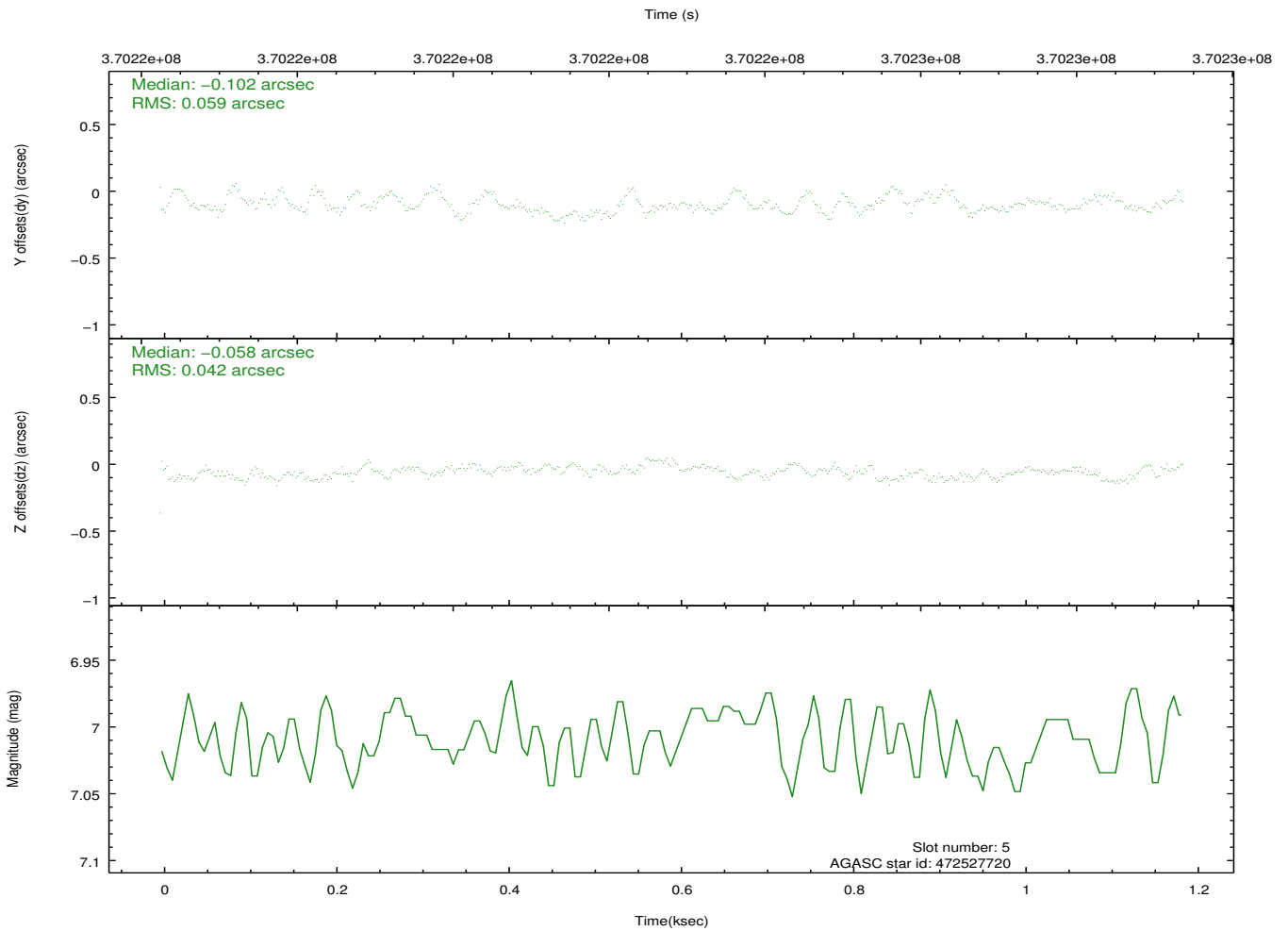
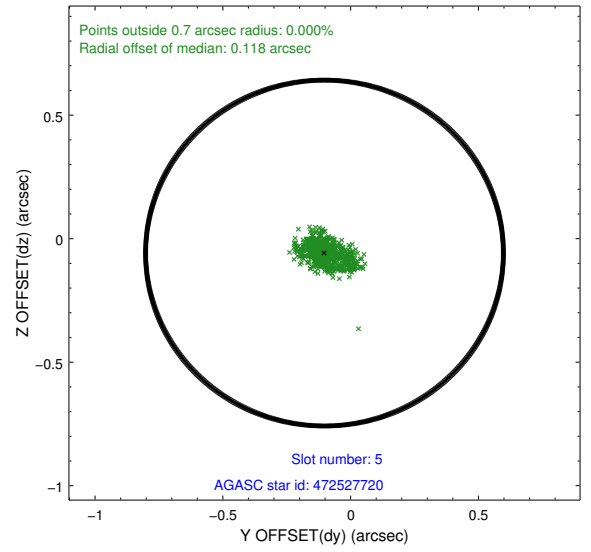
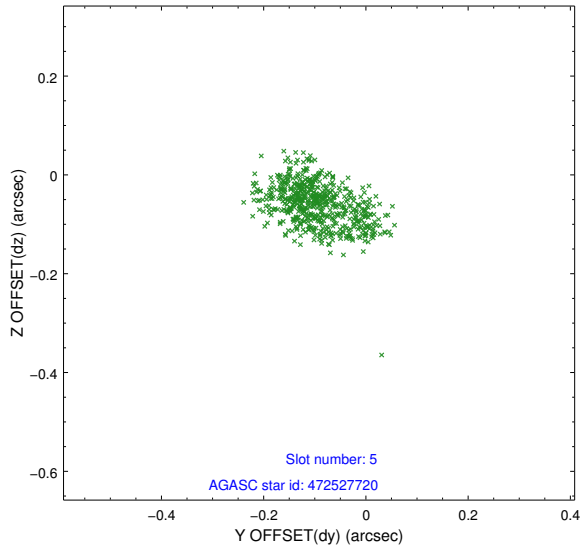
2.4.1 Slot 3



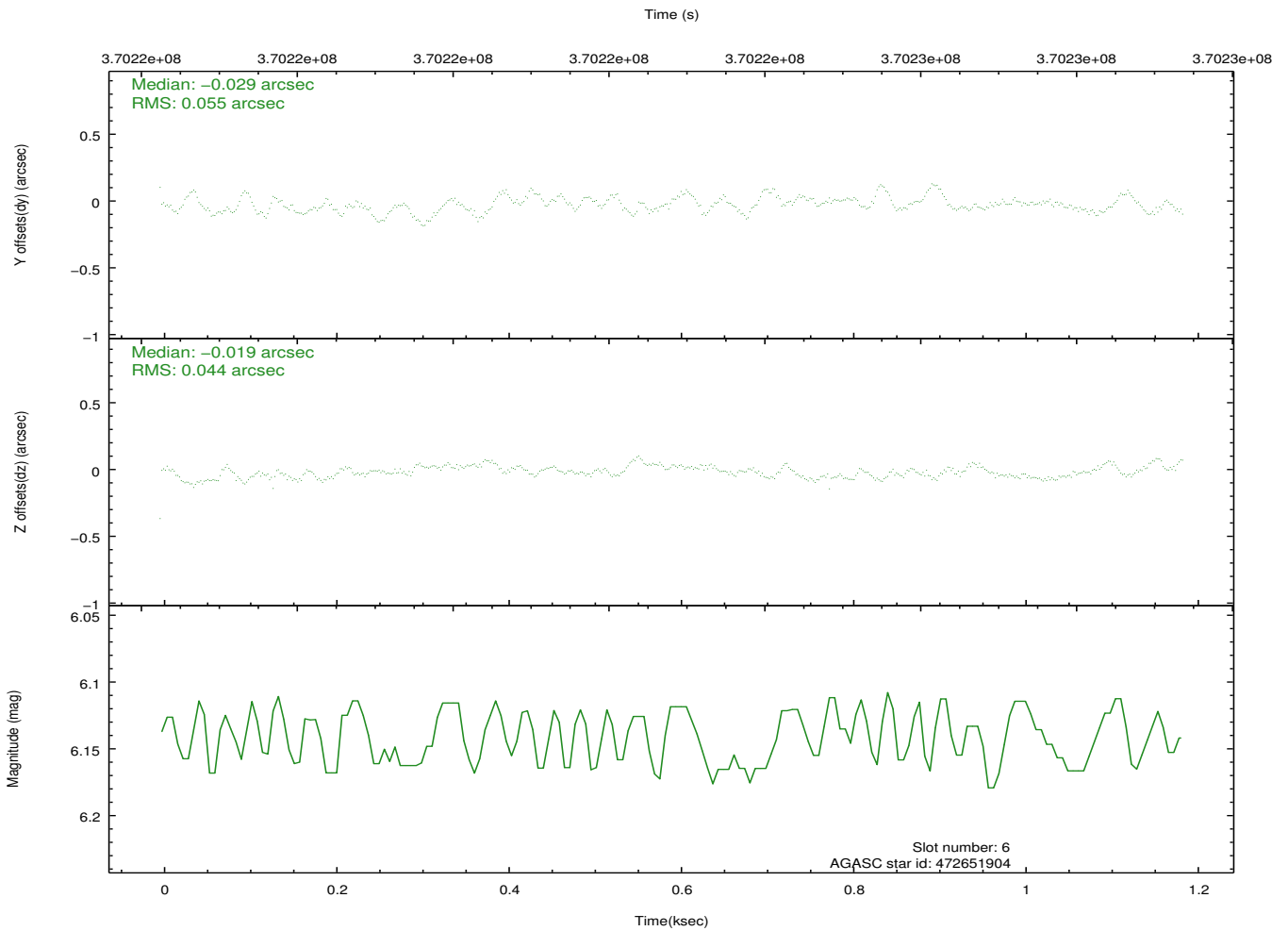
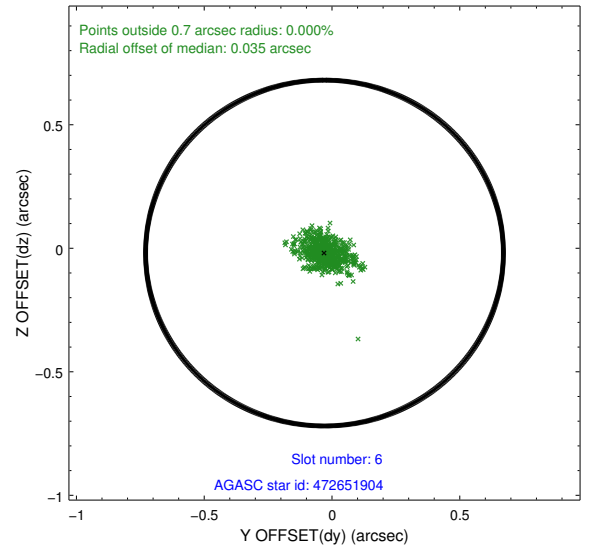
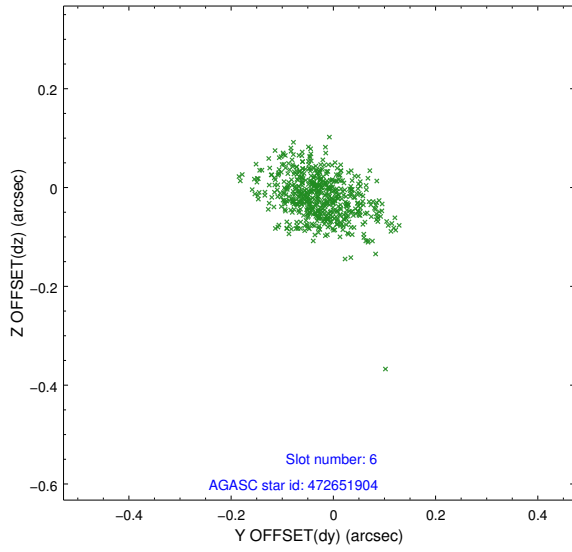
2.4.2 Slot 4



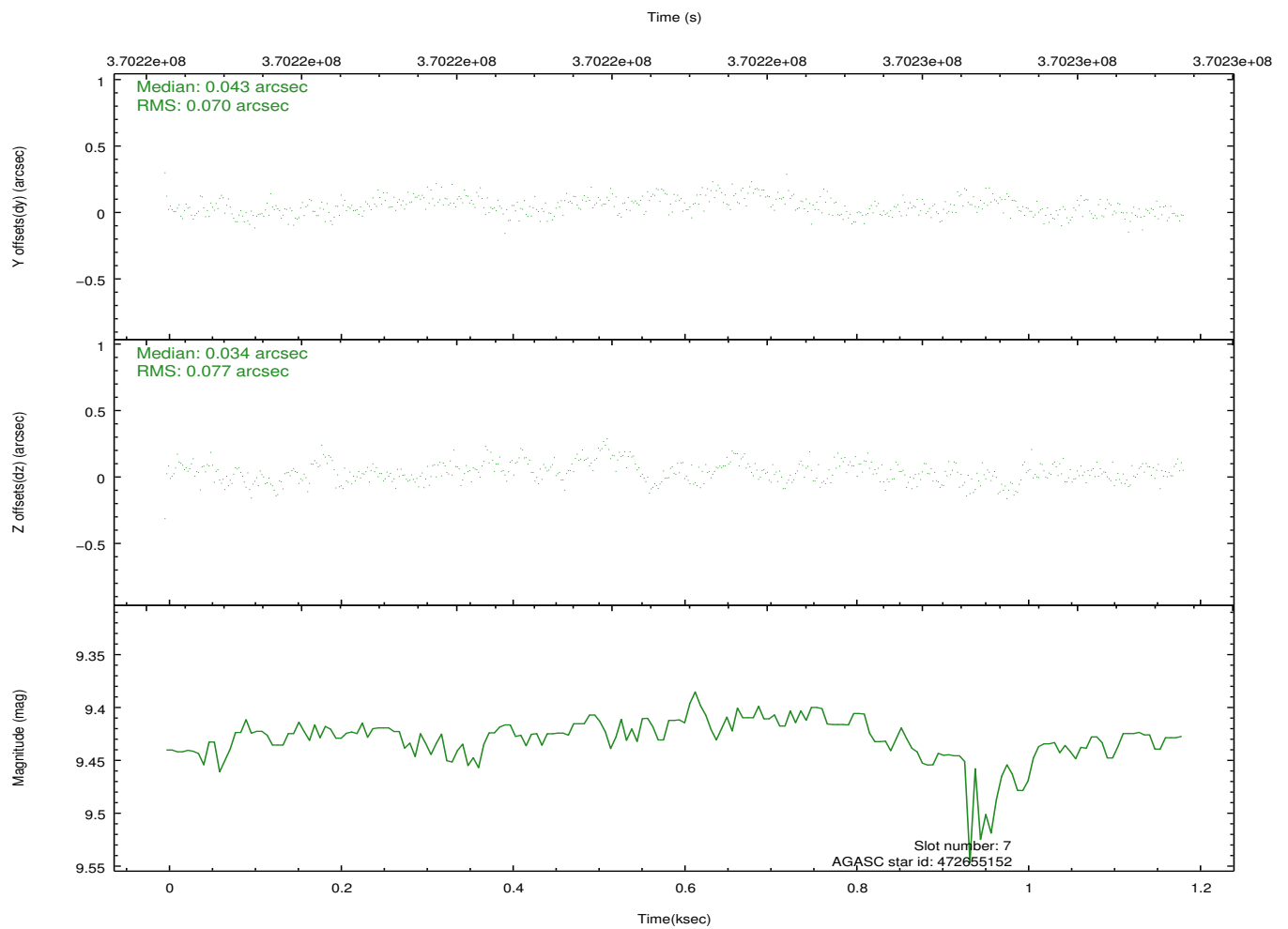
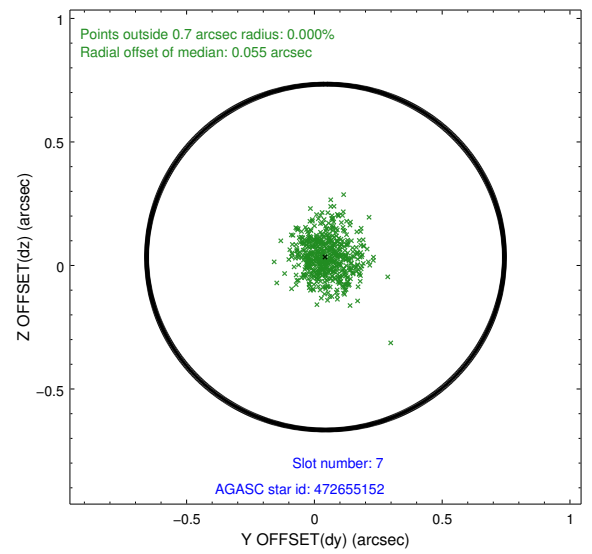
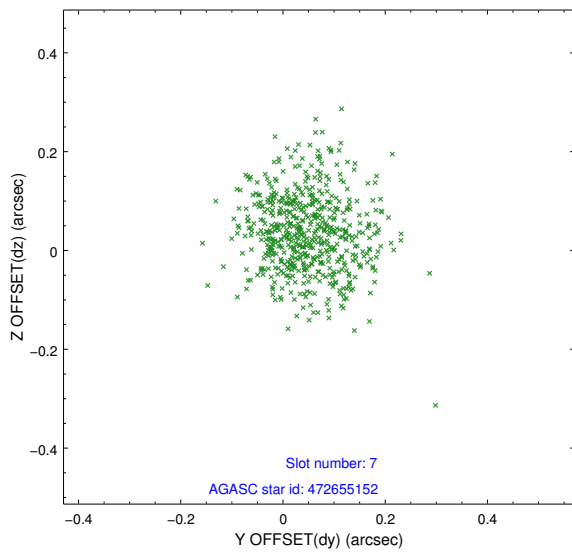
2.4.3 Slot 5



2.4.4 Slot 6

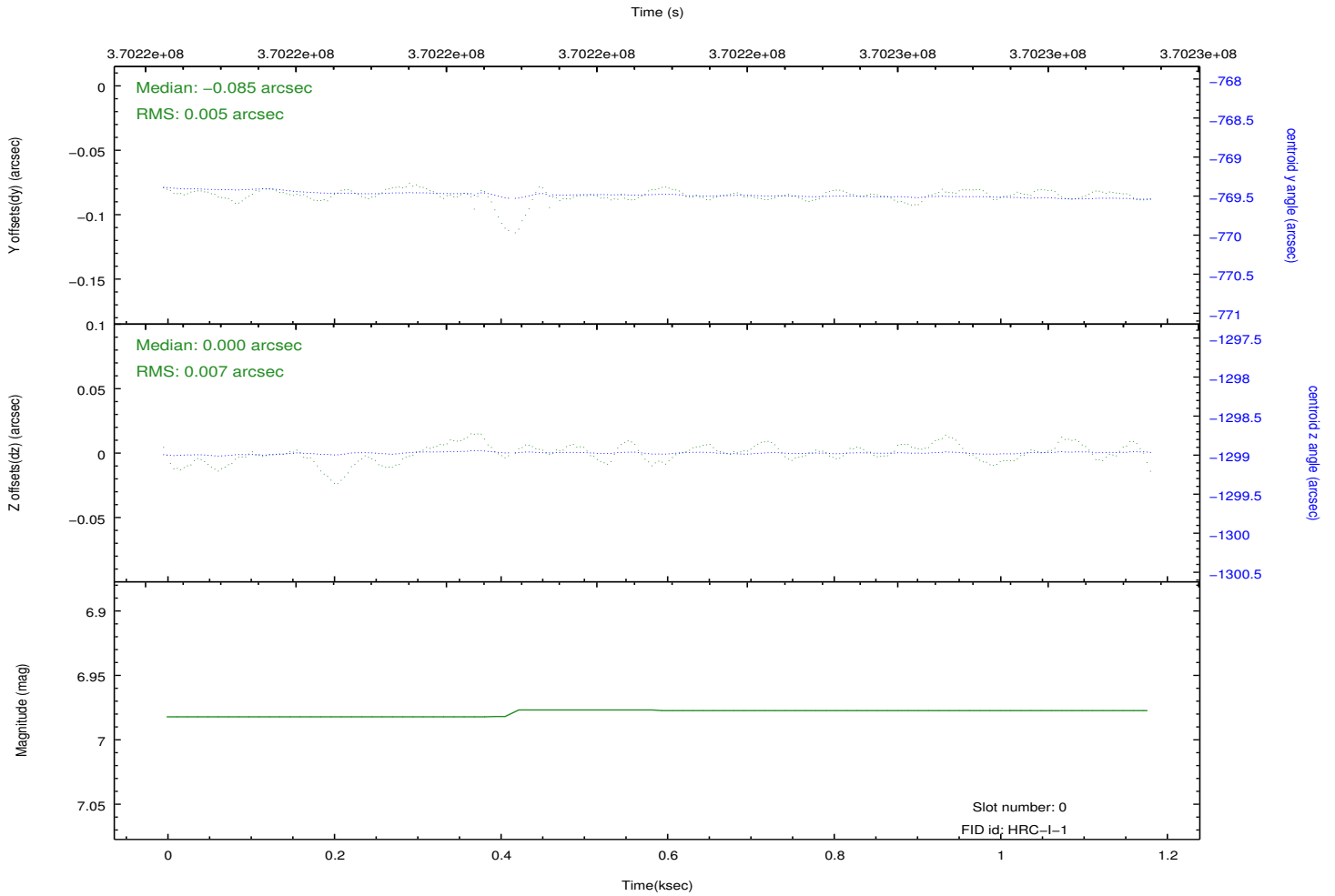
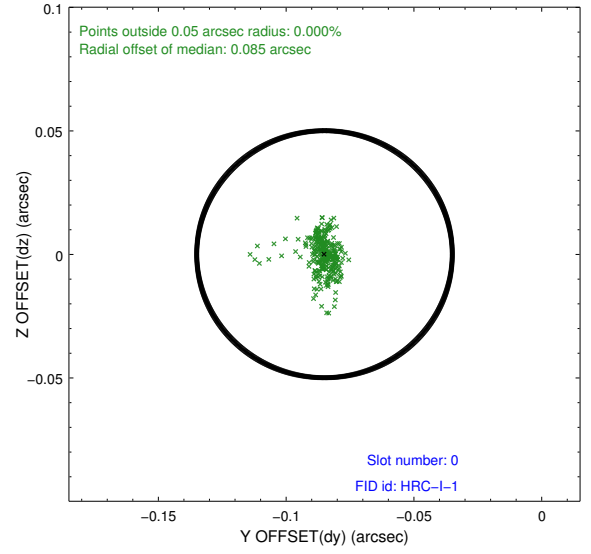
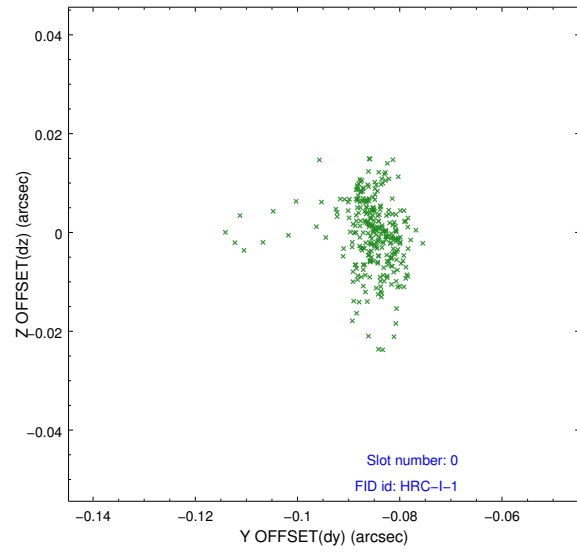


2.4.5 Slot 7

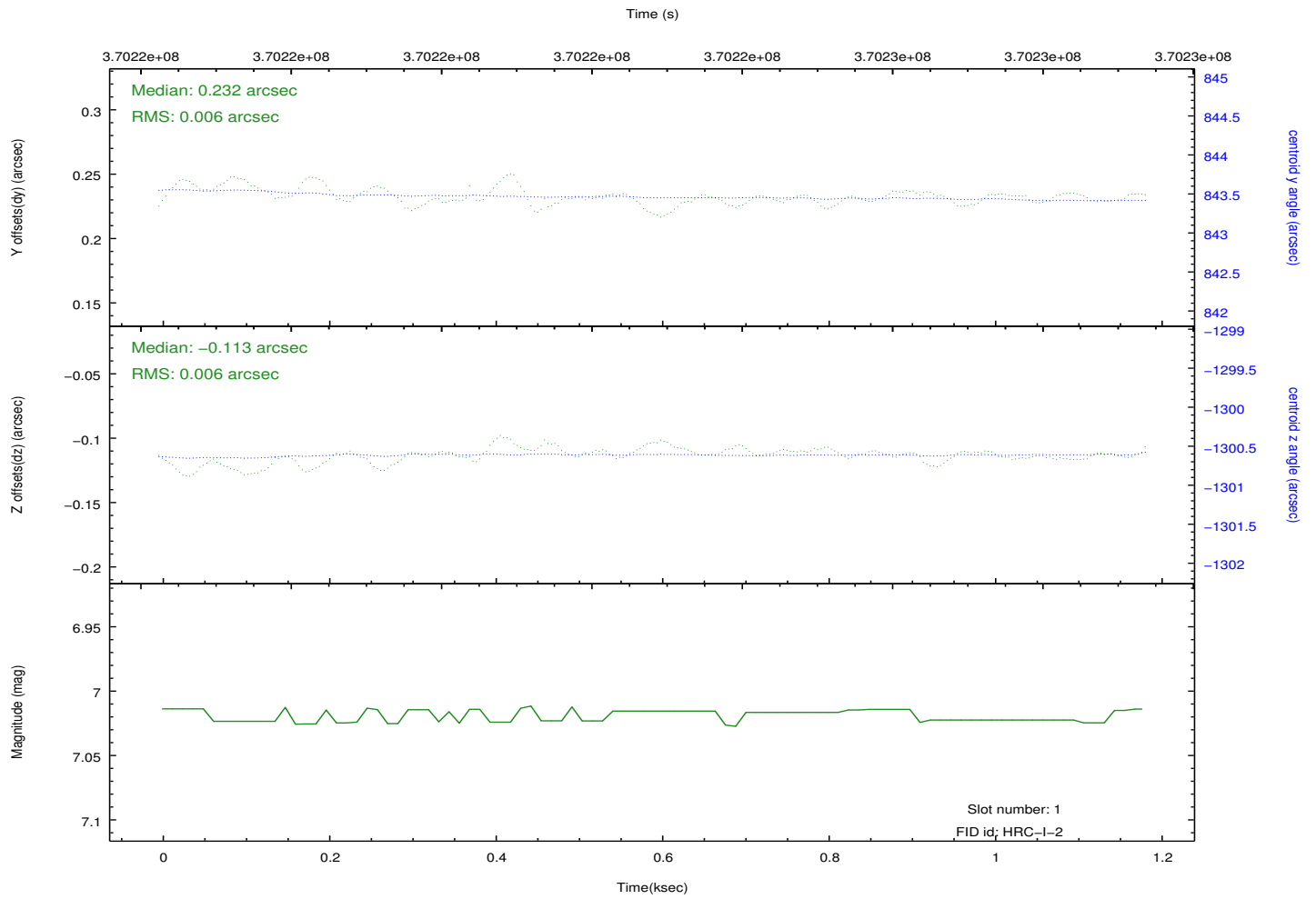
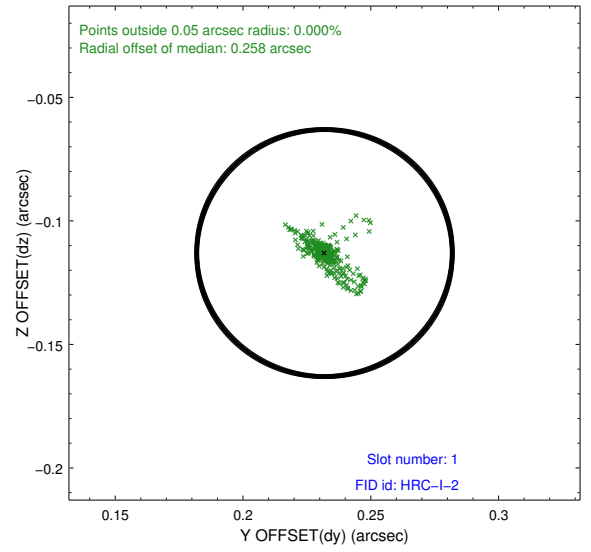
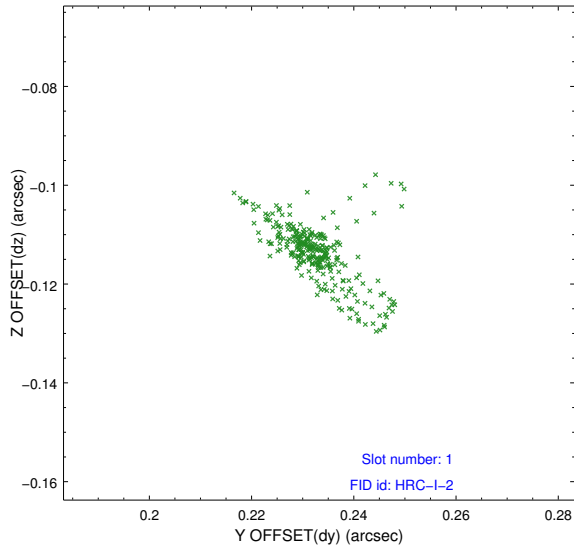


2.5 FID Slots

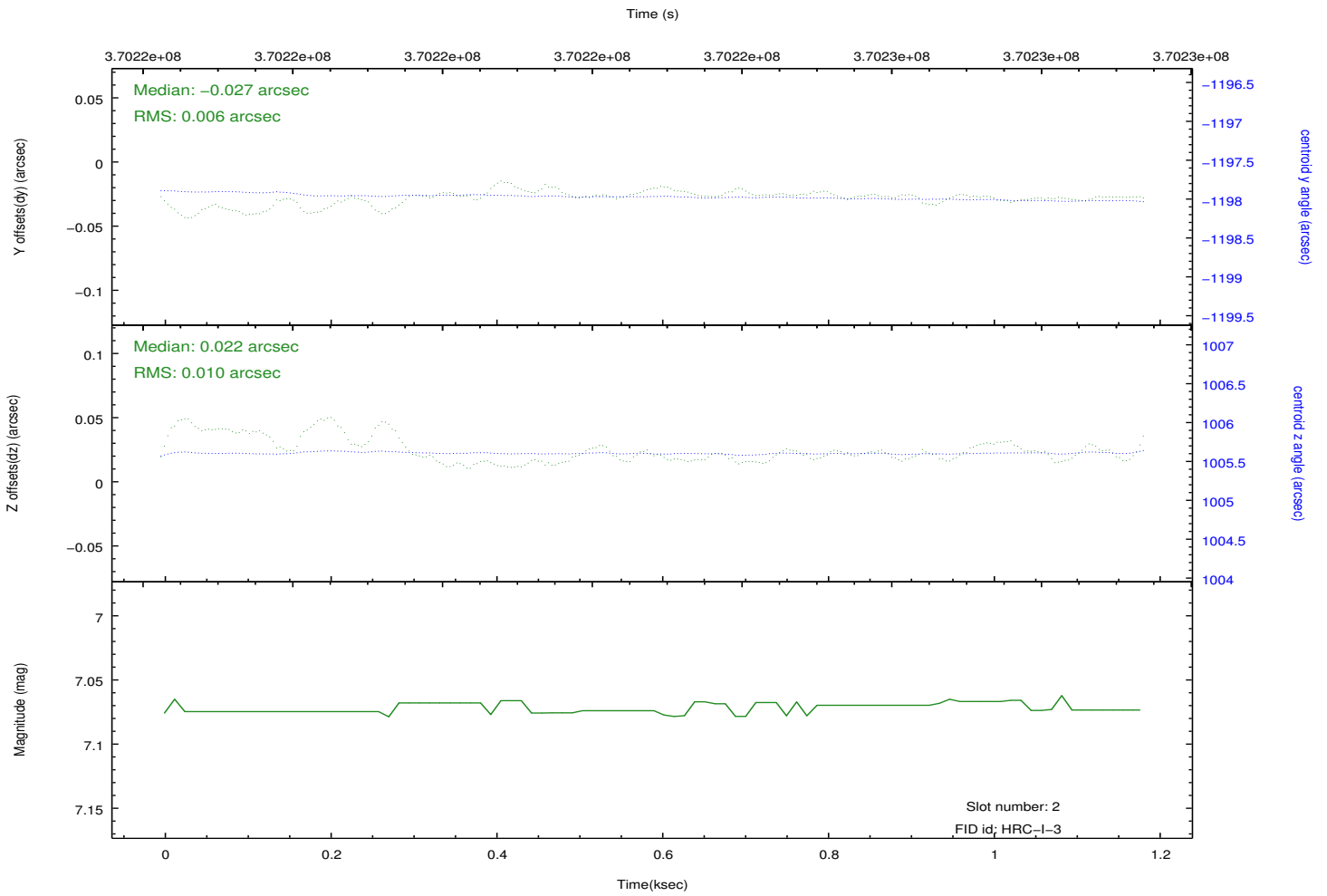
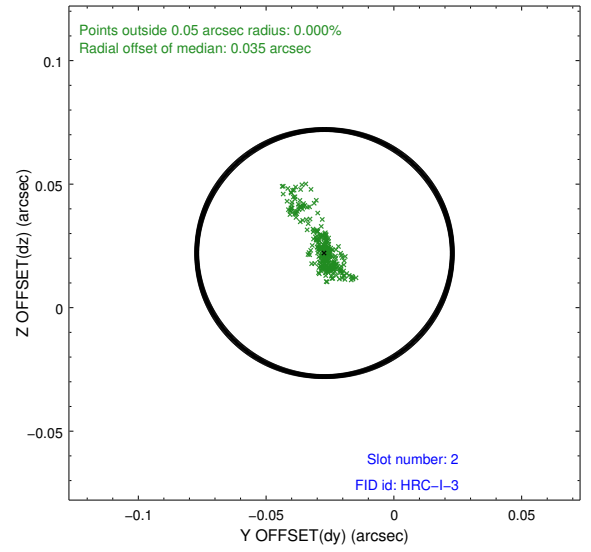
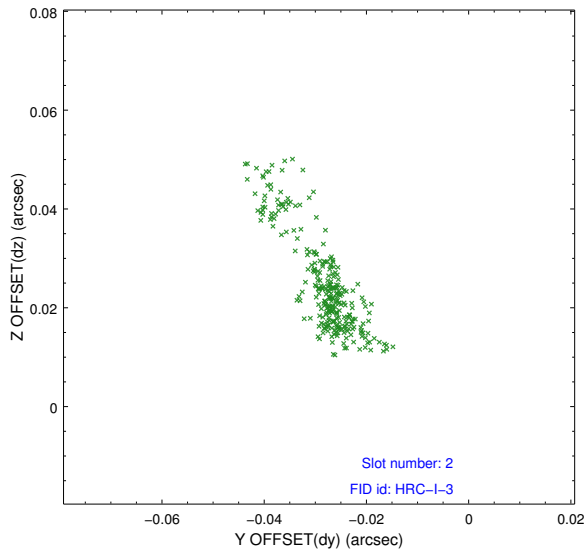
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1861813095808

A.2 Comments