

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8300 - L2 Version 4
Chandra X-Ray Center

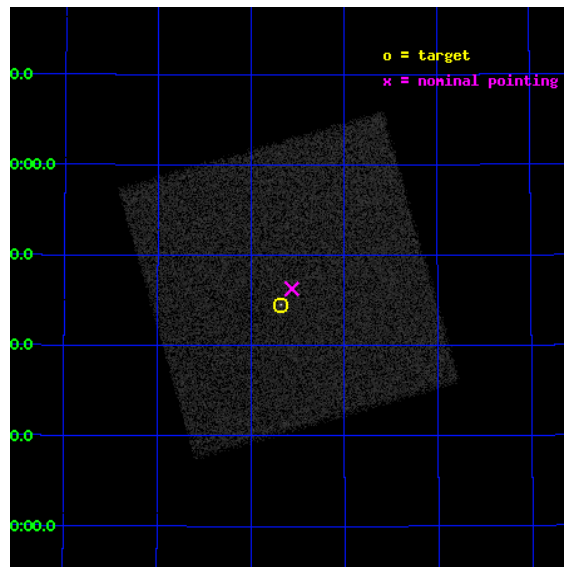
L2 Processing Date : Aug 11 2012

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1 Front

seq_num	290679	Sequence number
obs_id	8300	Observation id
title	AO8 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	332.14028006887	Nominal RA [deg]
dec_nom	45.771670139723	Nominal Dec [deg]
roll_nom	209.00469805781	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1182.0813069344	[s]
livetime	1169.6463554398	Ontime multiplied by DTCOR
l2events	74435	Number of level 2 events

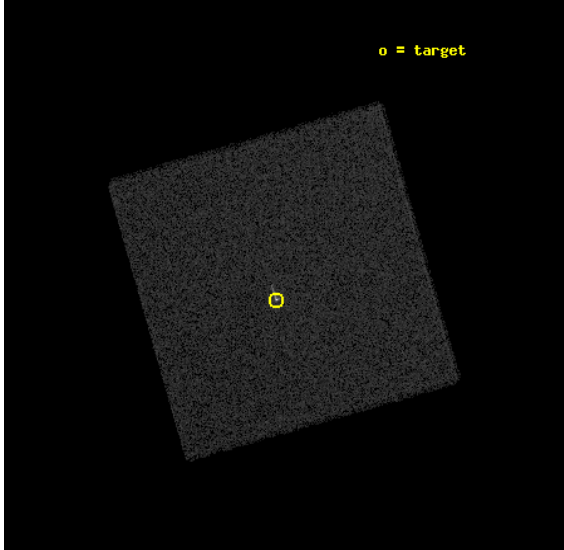


2 OBI

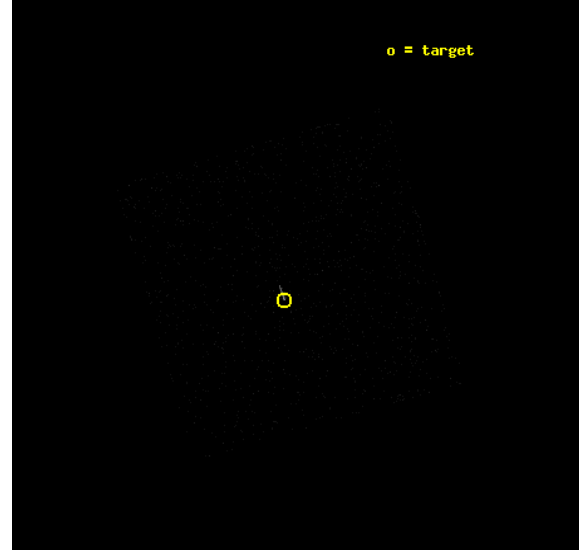
2.1 OBI

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	1182.0813069344	[s]
caldbver	4.5.1.1	 	l1events	137698	Number of level 1 events
date	2012-08-12T00:49:36	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

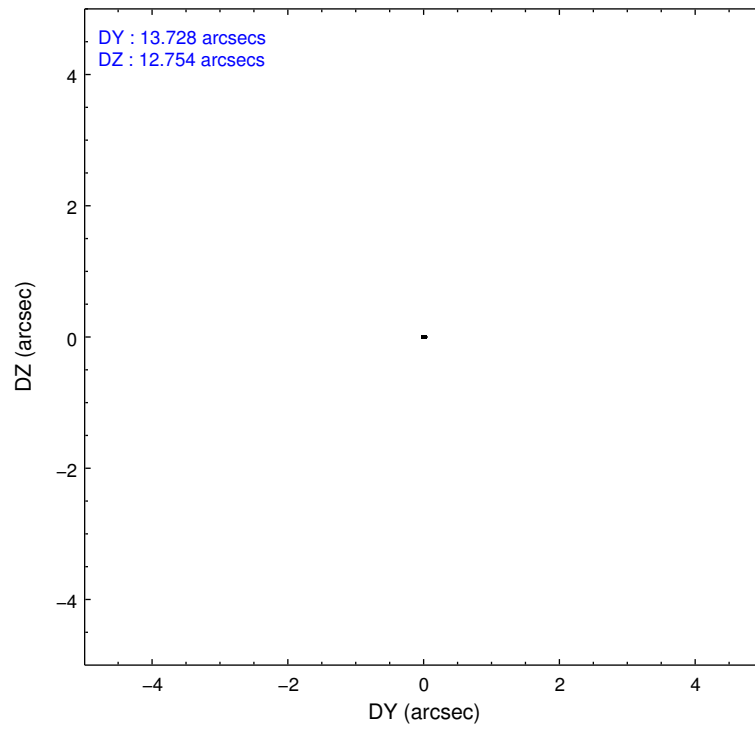
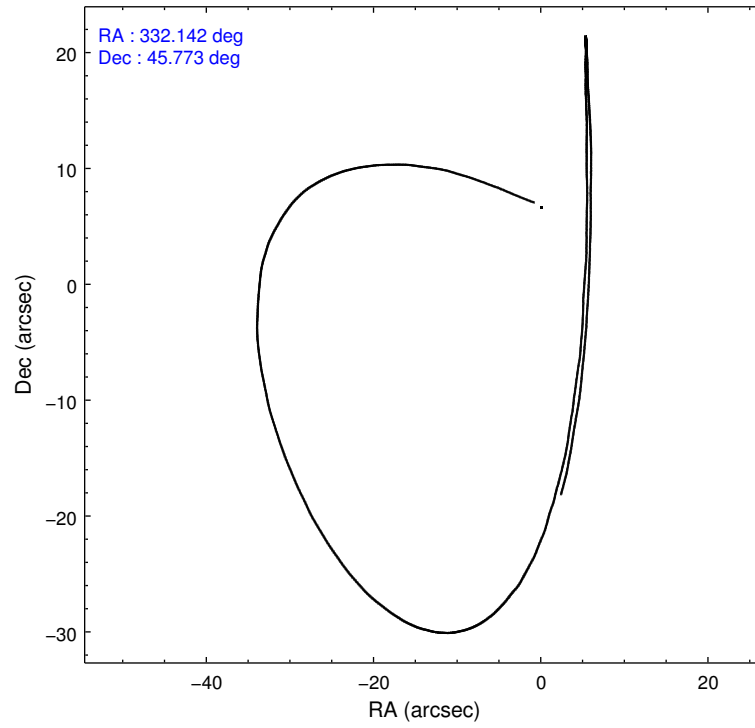
Level 1 Events

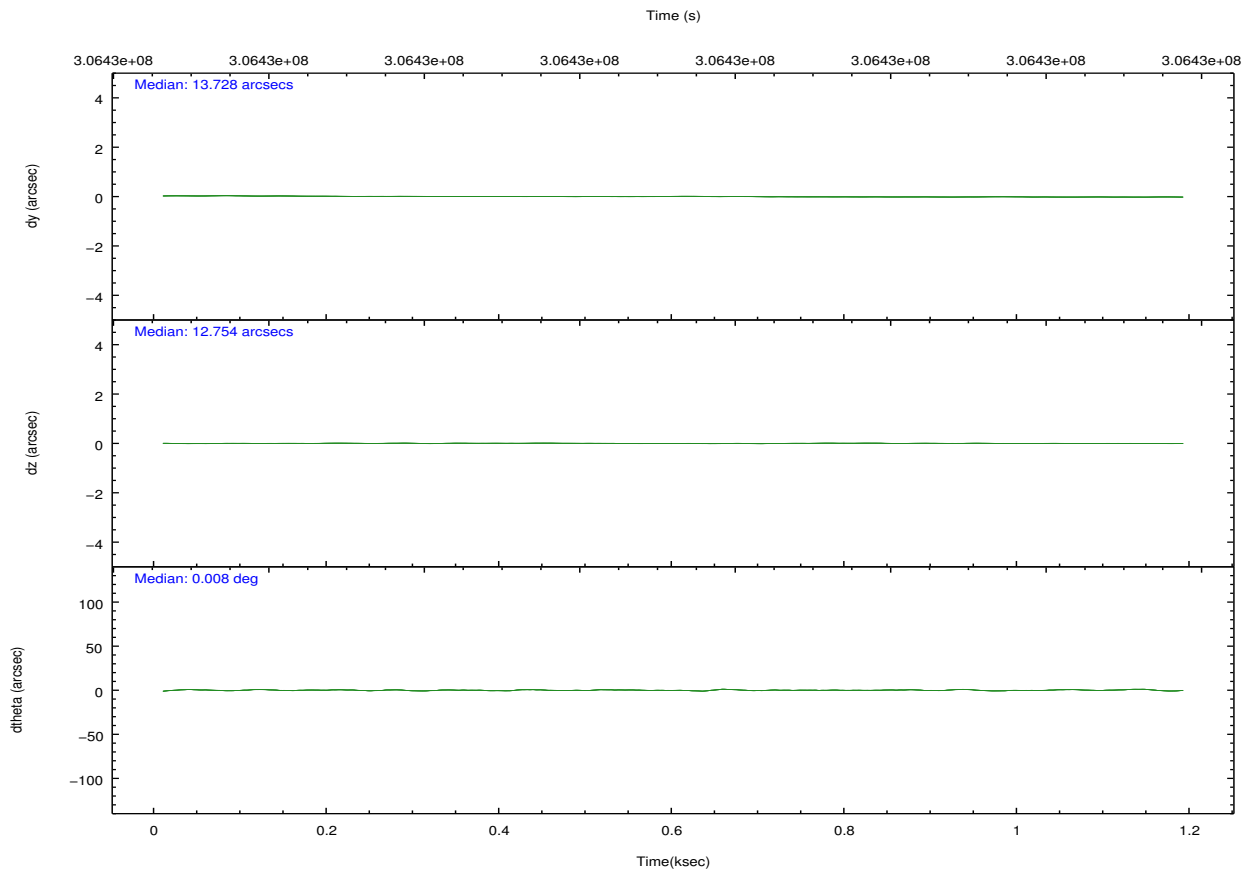
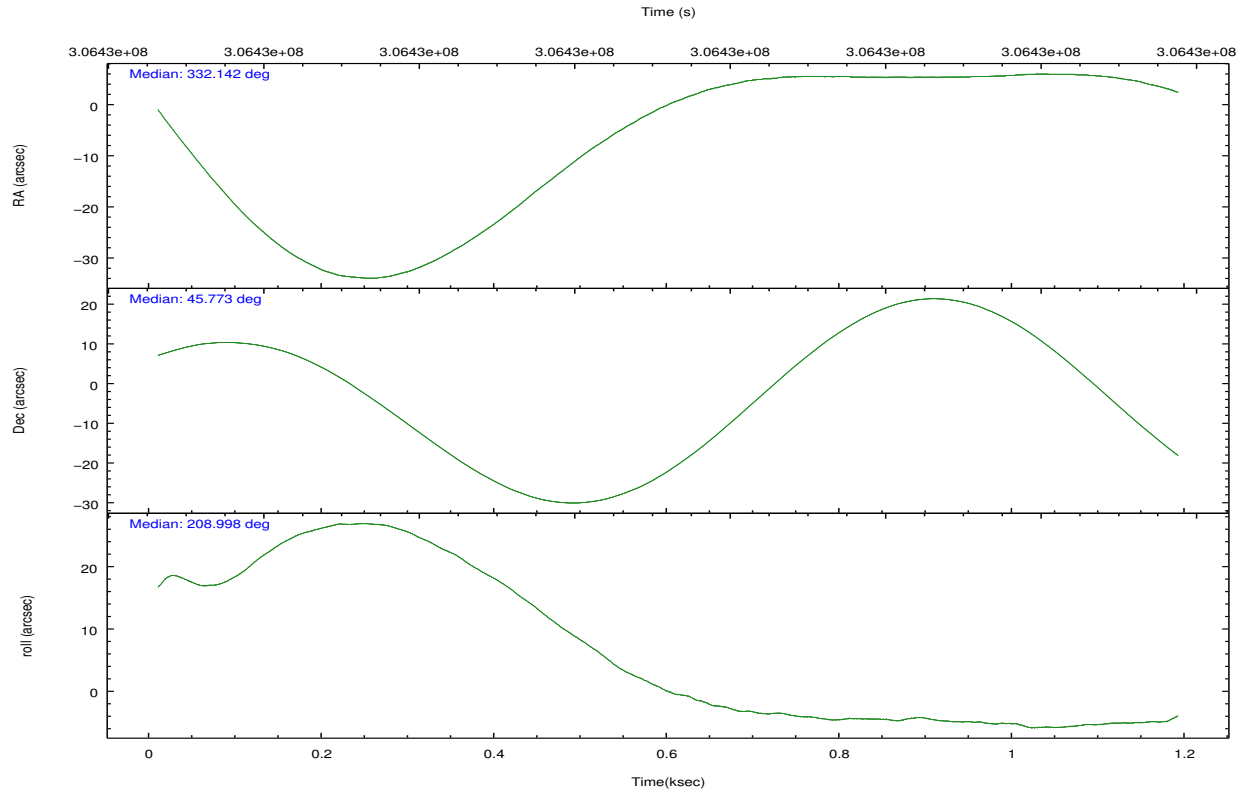
	segment 0
level 1 events	137698
rejected events	29752
rejected %	21%

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	332.160080	332.1402800688685			
[deg] Pointing Dec	45.794531	45.7716701397225			
[deg] Pointing Roll	209.085914	209.0046980578103			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	306427522.184000	306427146.06333			
Observation start date	2007-09-17T14:44:17	2007-09-17T14:39:06			
[s] Observation end time (MET)	306428522.184000	306428655.8884			
Observation end date	2007-09-17T15:00:57	2007-09-17T15:04:15			

2.3 Aspect



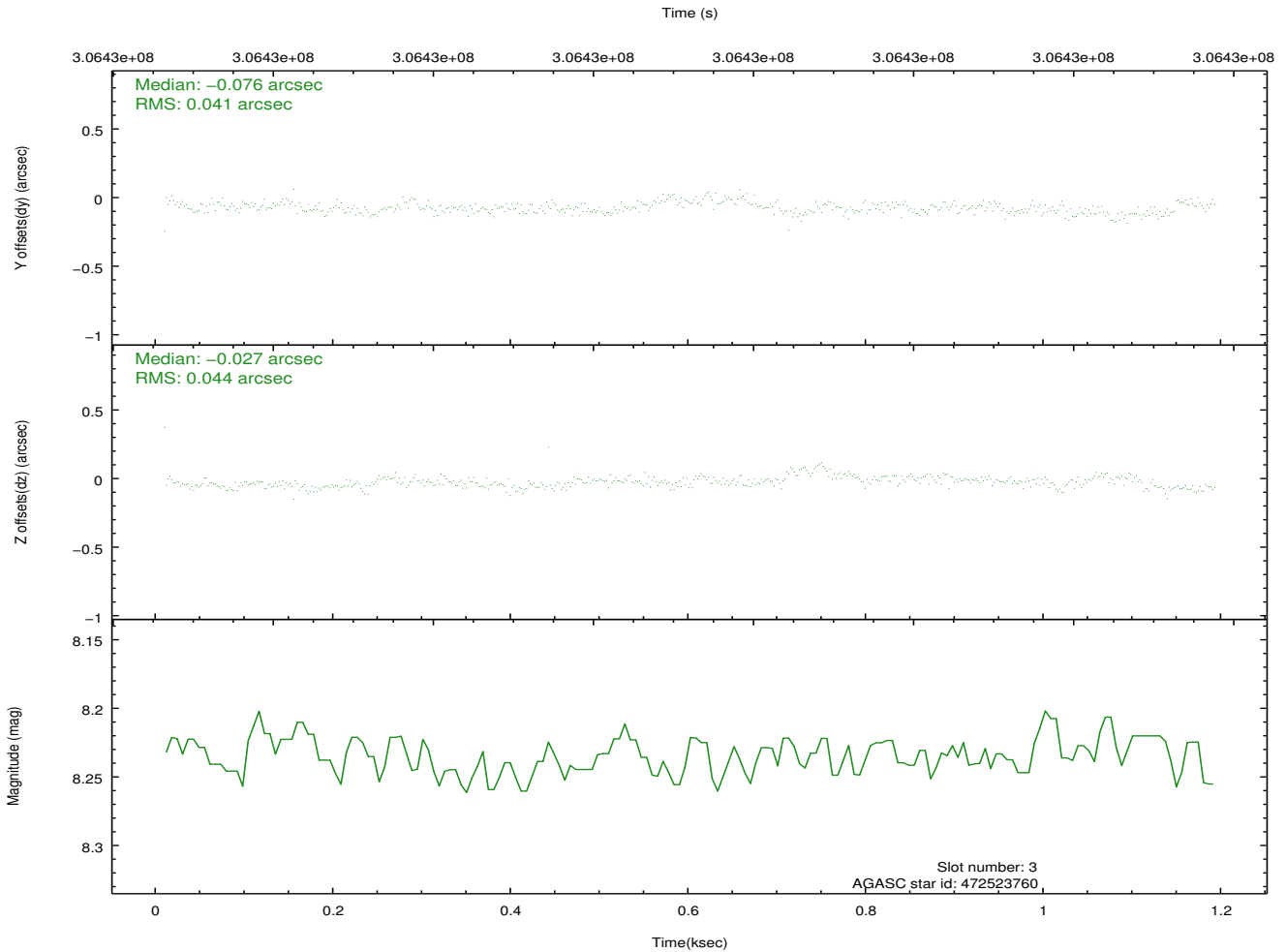
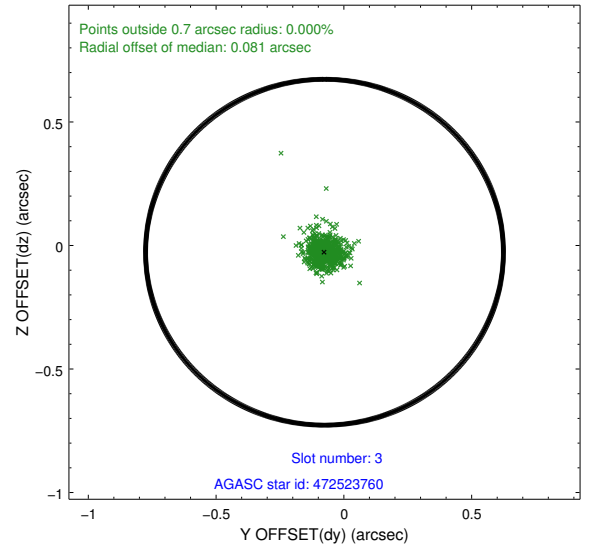
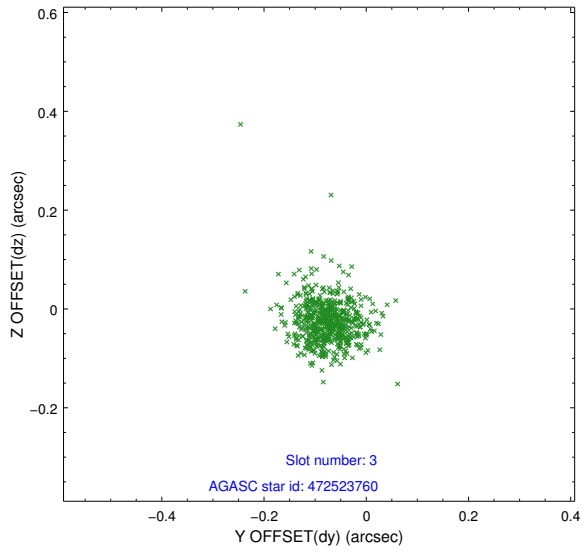


Slot Statistics

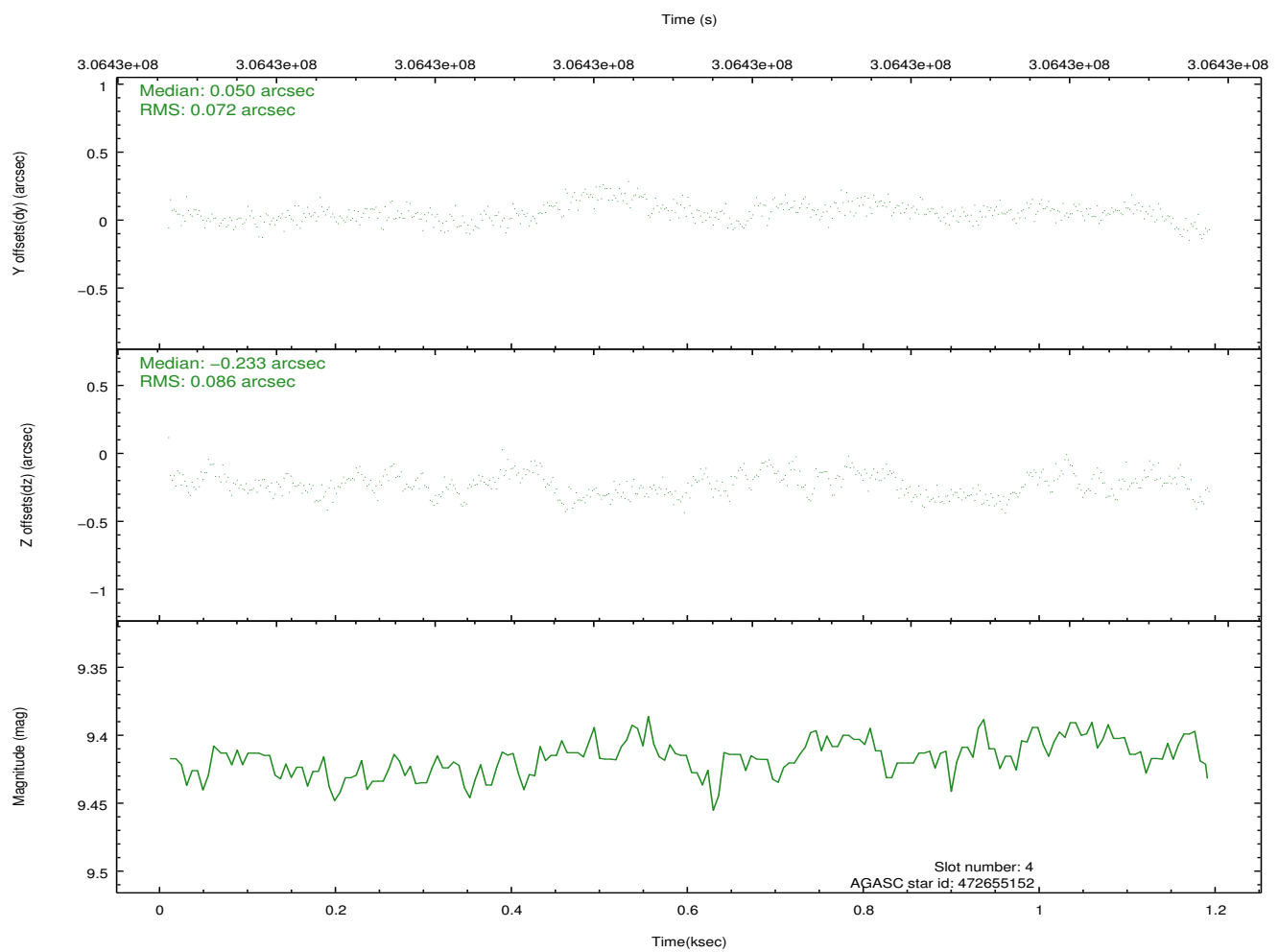
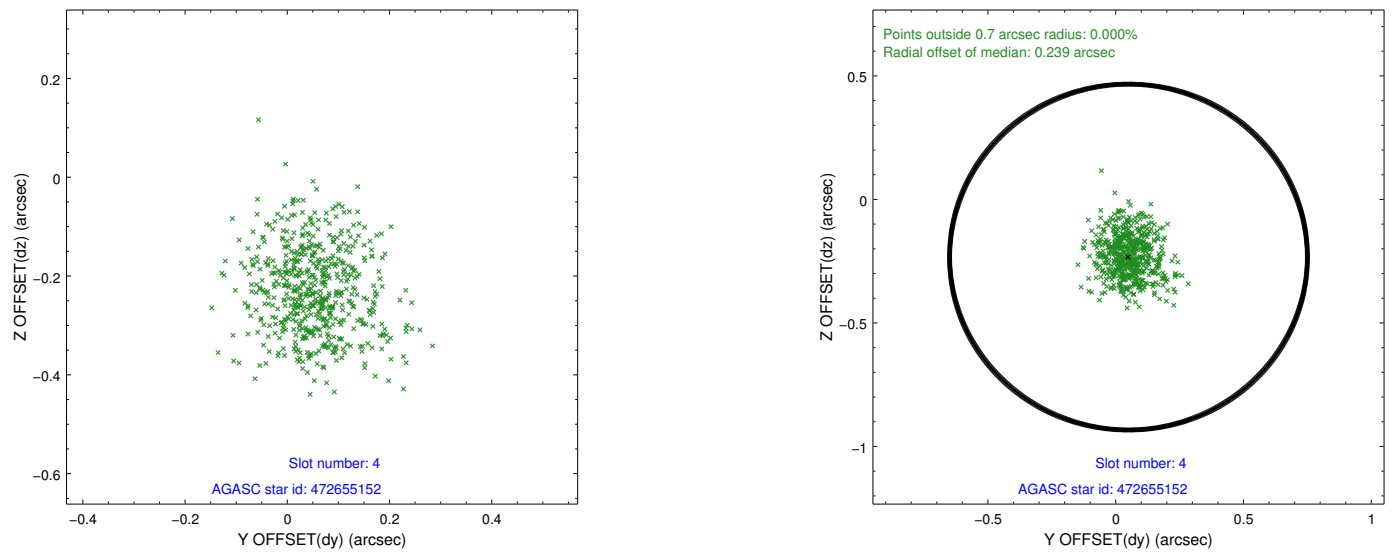
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	289	-0.058	0.029	0.006	0.009	0.000000	0.000000	-769.55	-1300.79
1	FID	HRC-I-2	7.01	289	0.240	-0.159	0.005	0.010	0.000000	0.000000	840.71	-1307.05
2	FID	HRC-I-3	7.07	289	-0.063	0.040	0.006	0.011	0.000000	0.000000	-1195.13	999.26
3	GUIDE	472523760	8.24	578	-0.076	-0.027	0.059	0.102	331.645363	45.403260	1820.34	598.38
4	GUIDE	472655152	9.42	577	0.050	-0.233	0.121	0.193	332.504239	45.862991	-870.79	206.63
5	GUIDE	472665256	9.01	578	0.121	0.041	0.080	0.134	332.808125	46.195041	-2115.95	-477.10
6	GUIDE	472535576	7.86	578	-0.196	0.174	0.070	0.119	331.438373	46.291802	691.79	-2441.46
7	GUIDE	472533912	9.16	576	0.092	0.049	0.110	0.201	331.791136	46.368695	-202.70	-2254.50

2.4 Star Slots

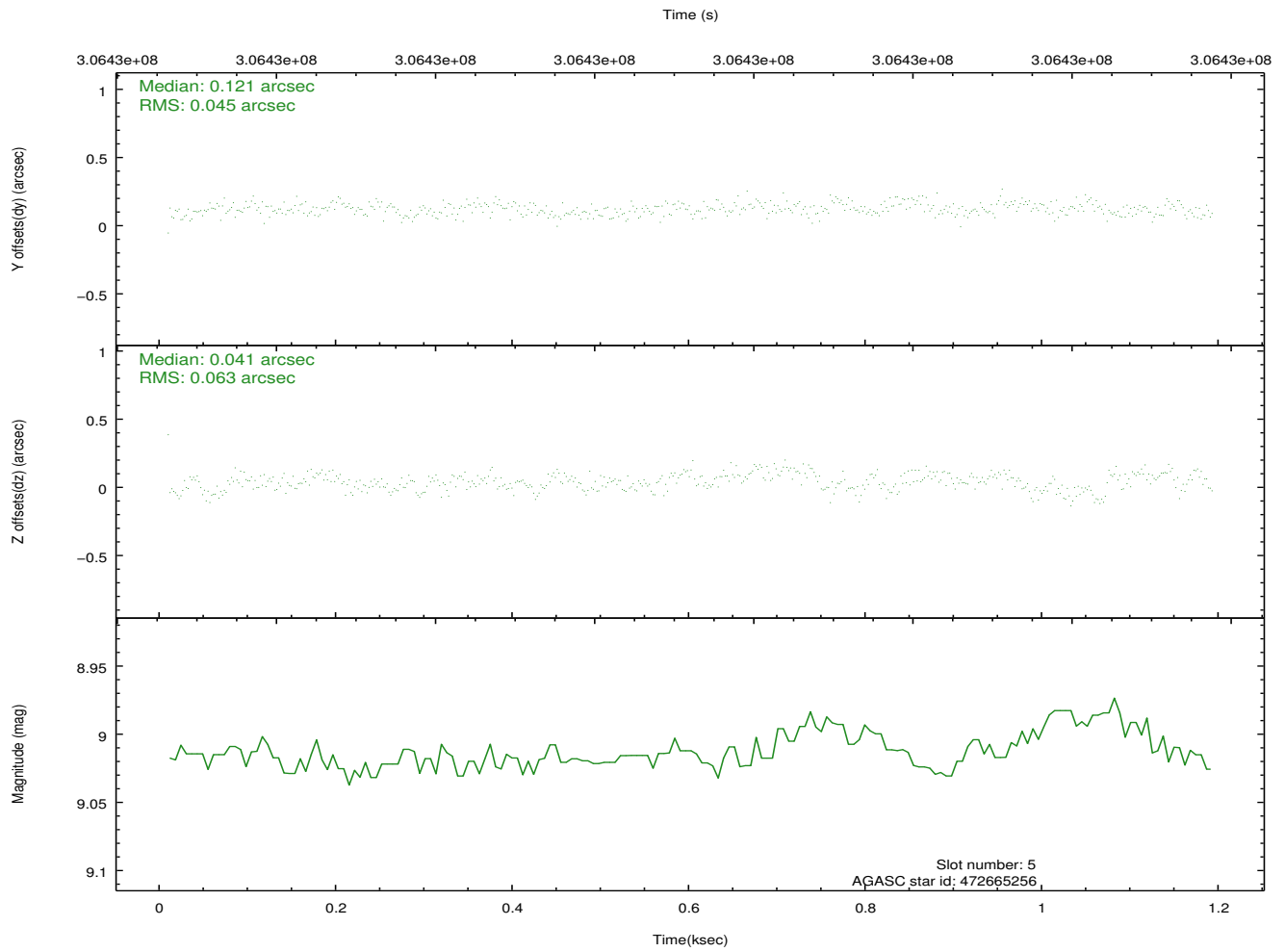
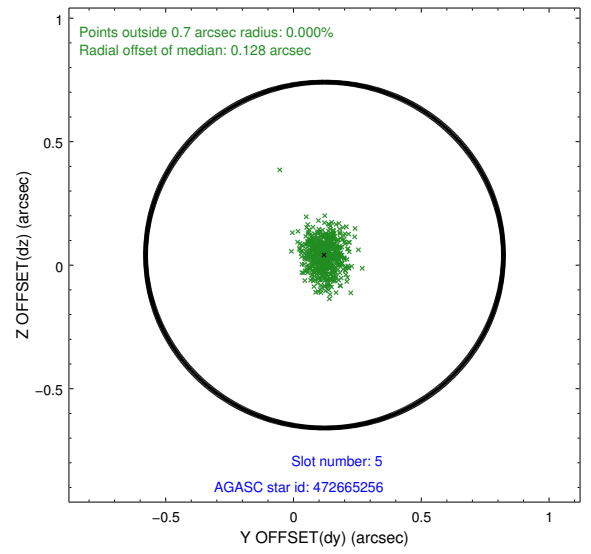
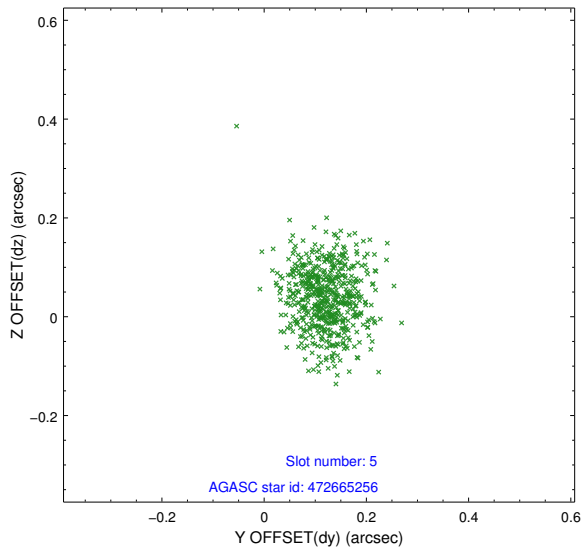
2.4.1 Slot 3



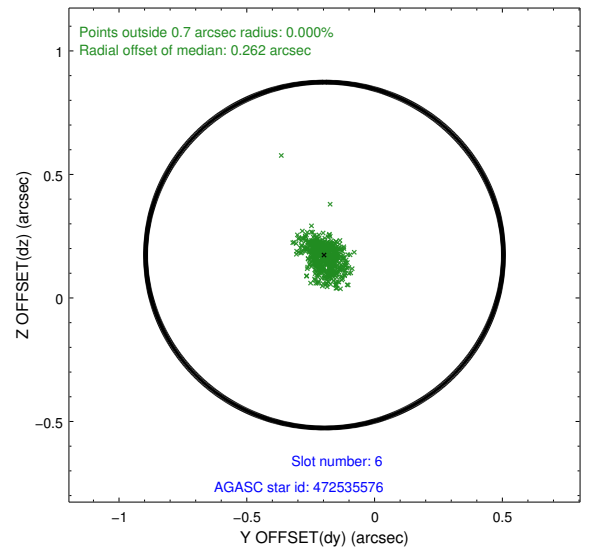
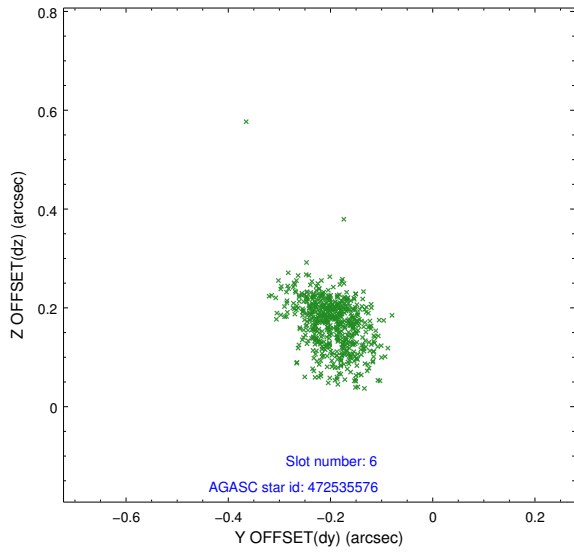
2.4.2 Slot 4



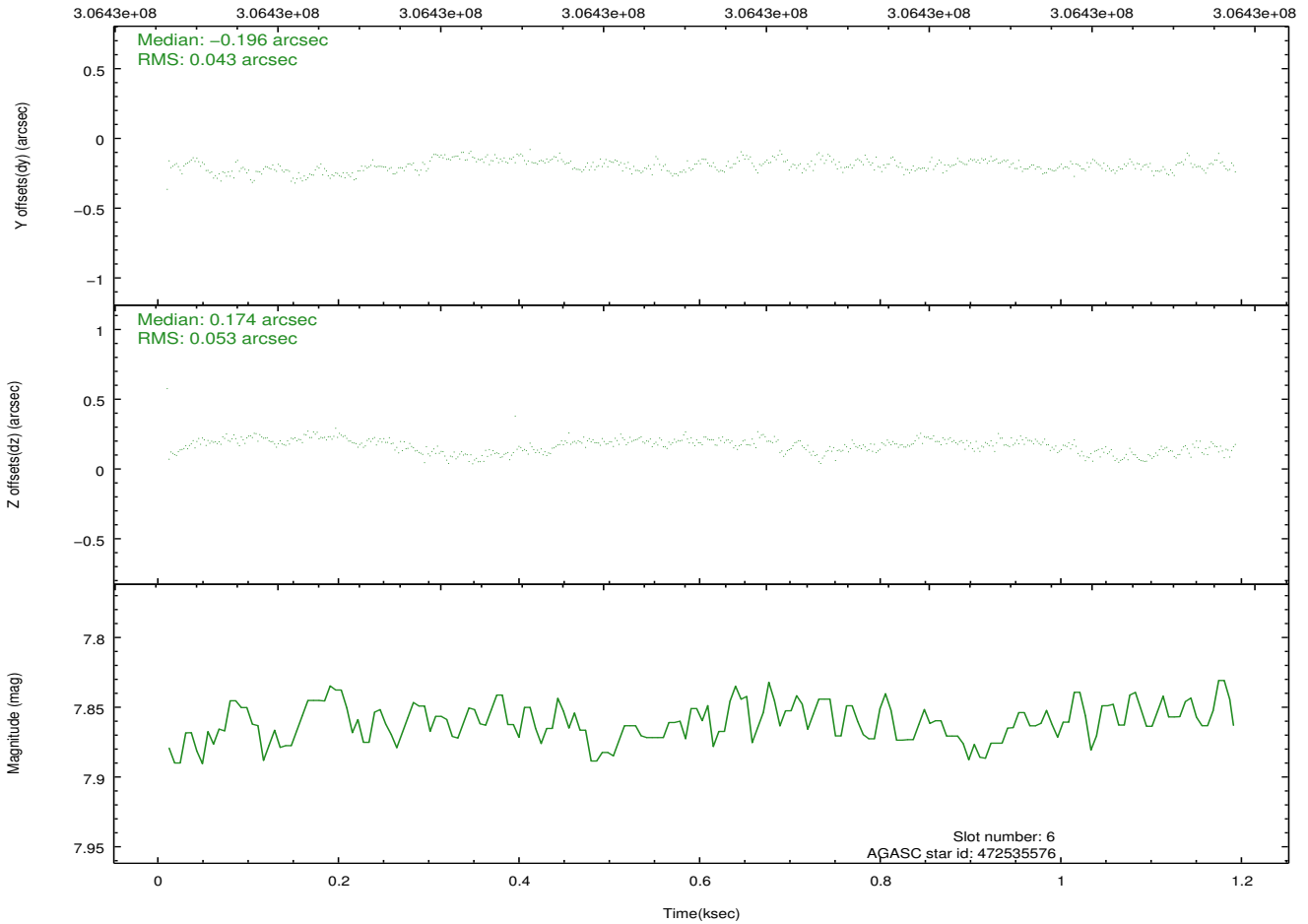
2.4.3 Slot 5



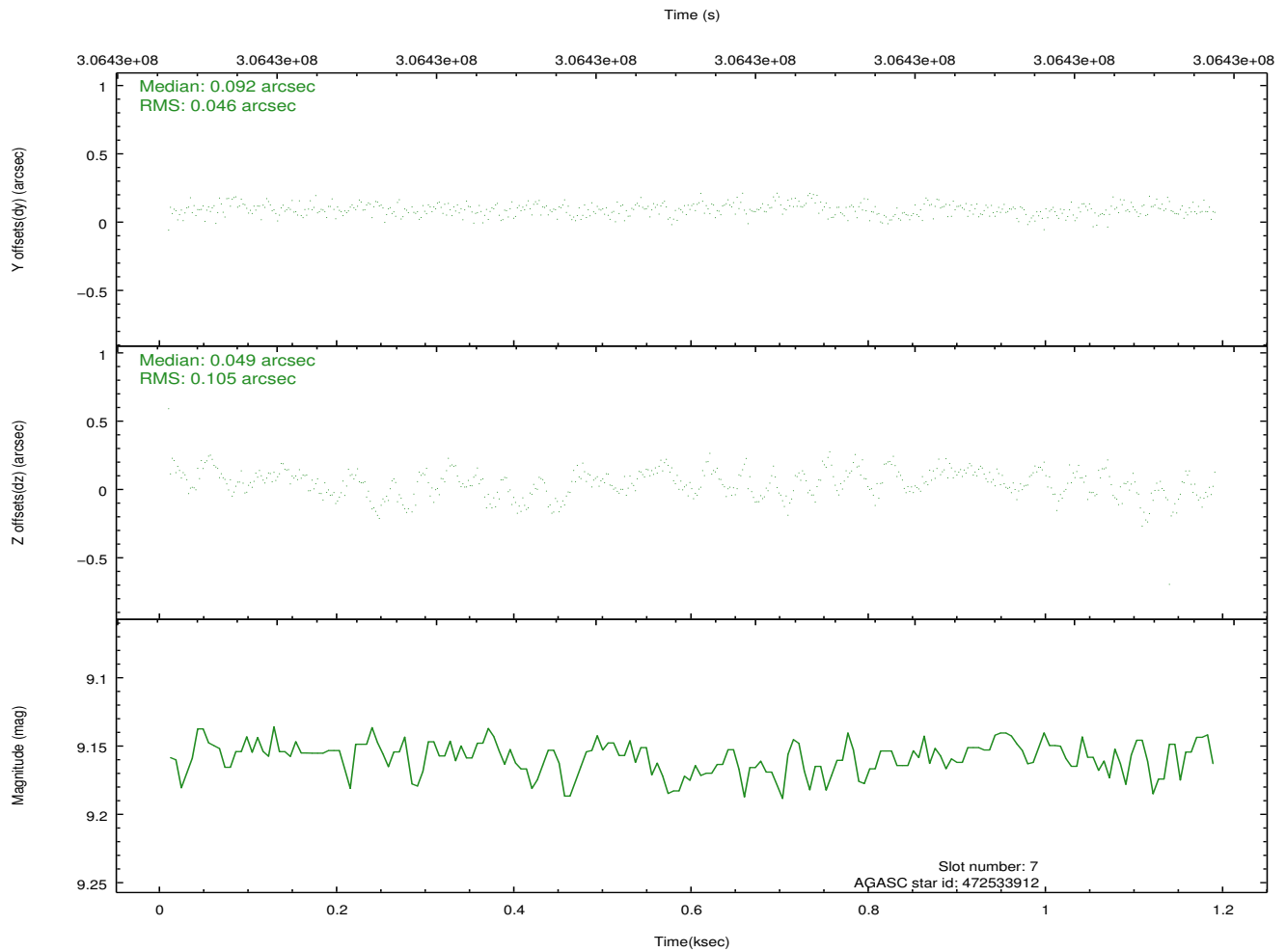
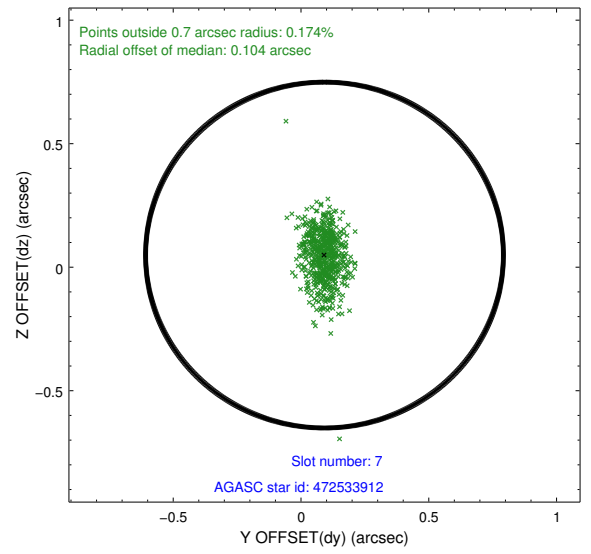
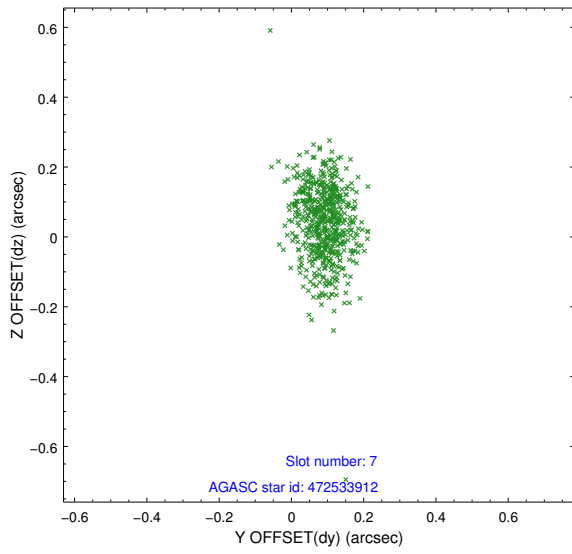
2.4.4 Slot 6



Time (s)

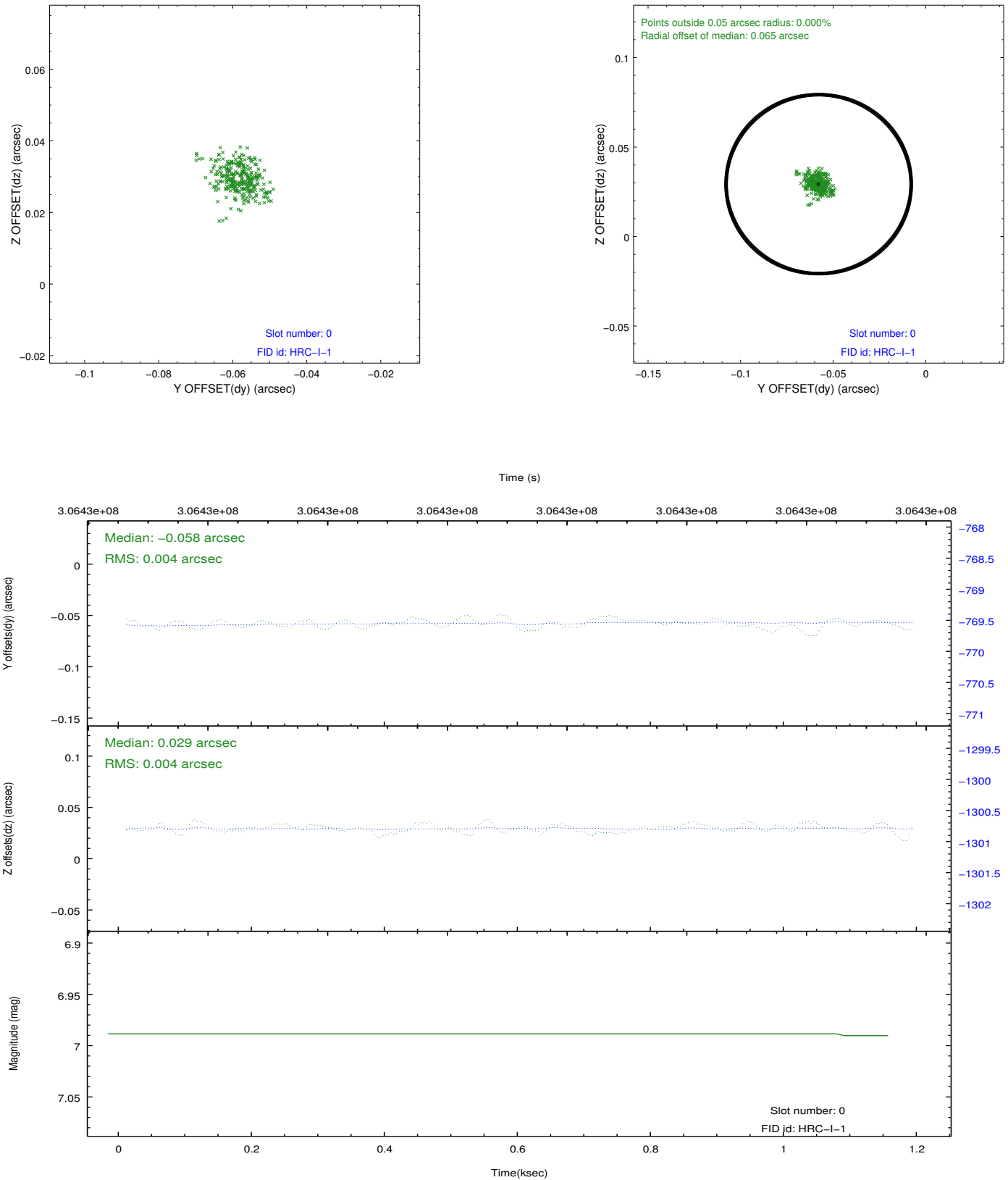


2.4.5 Slot 7

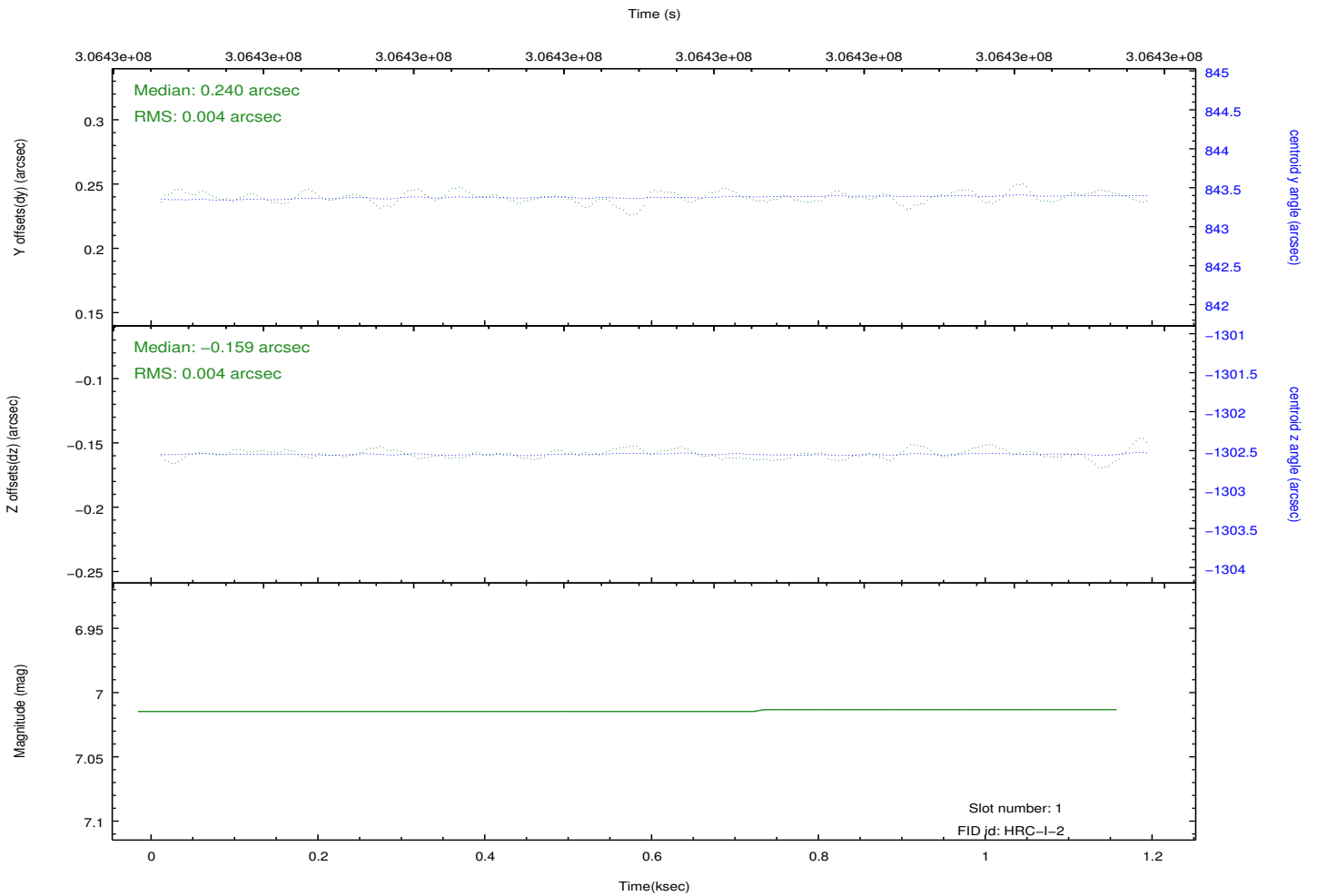
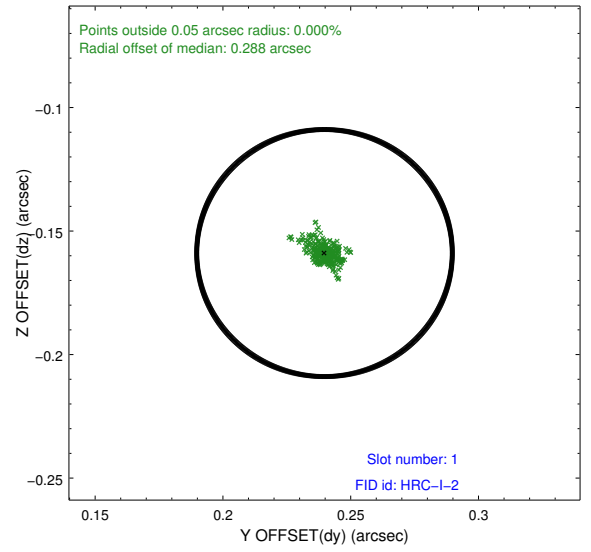
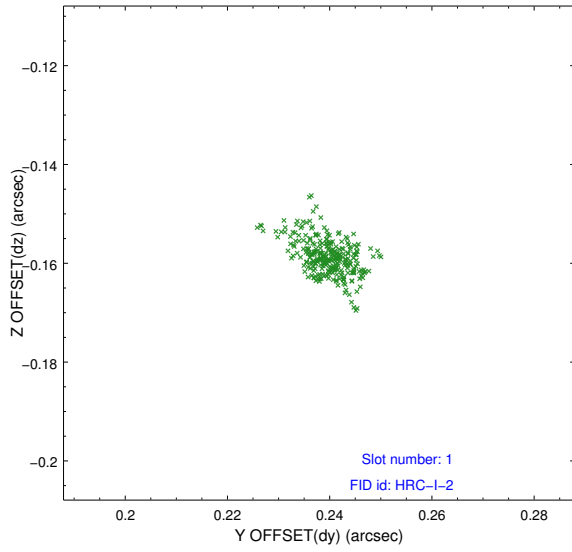


2.5 FID Slots

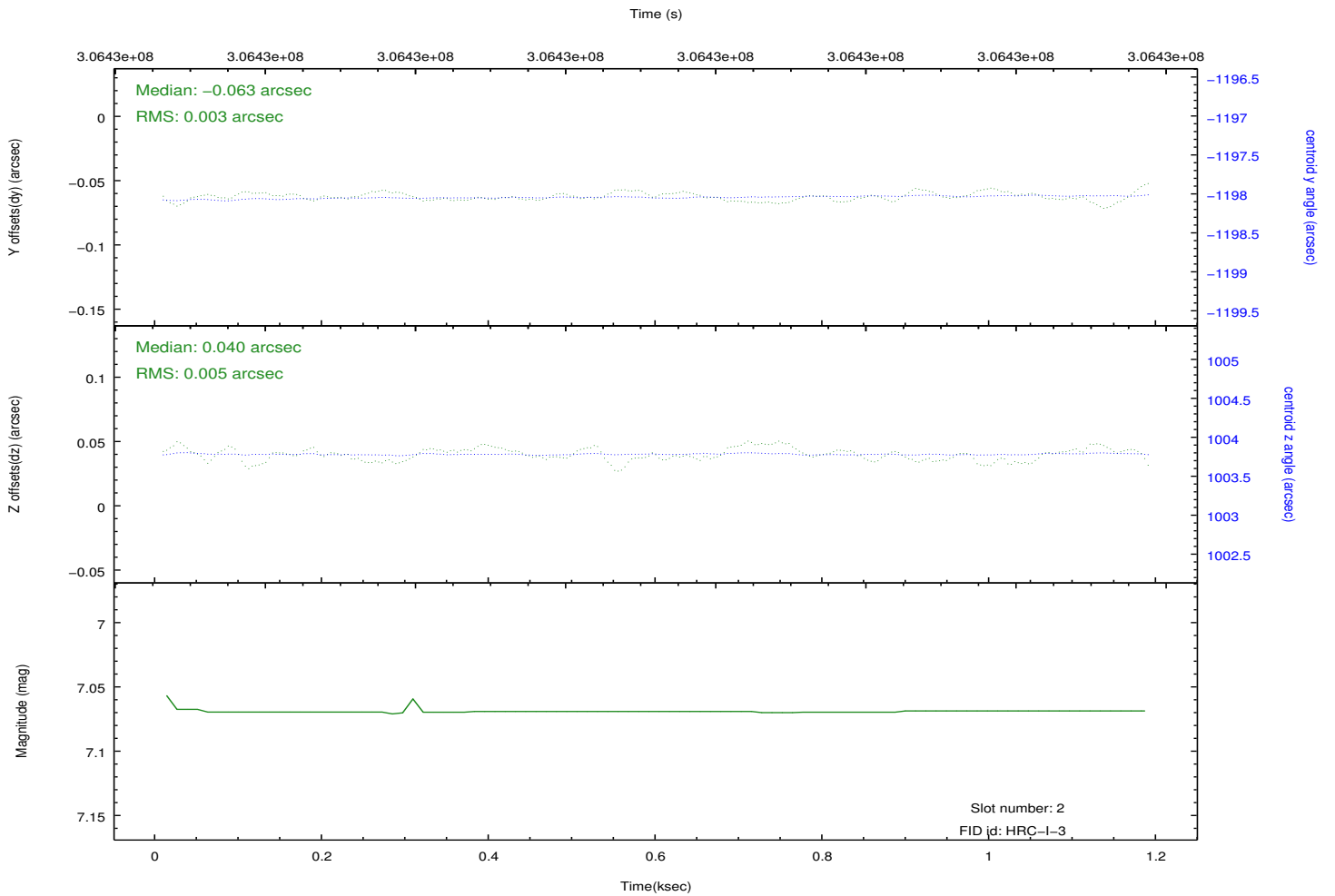
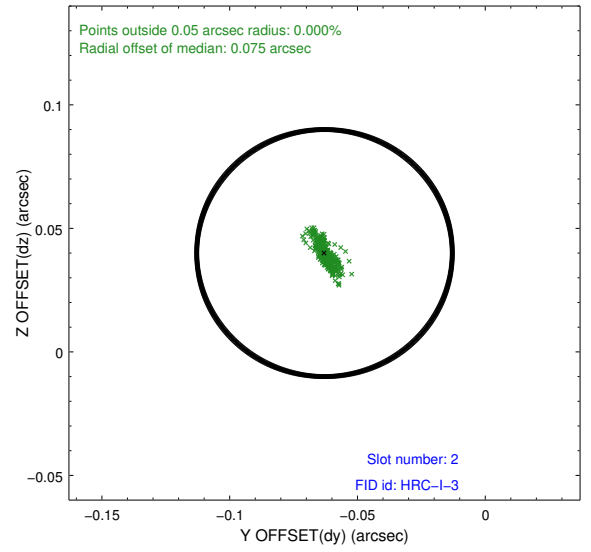
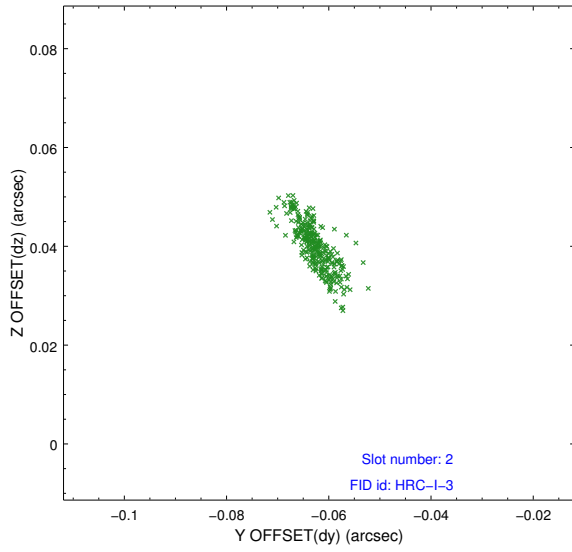
2.5.1 Slot 0



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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813

A.2 Comments