

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19831 - L2 Version 1
Chandra X-Ray Center

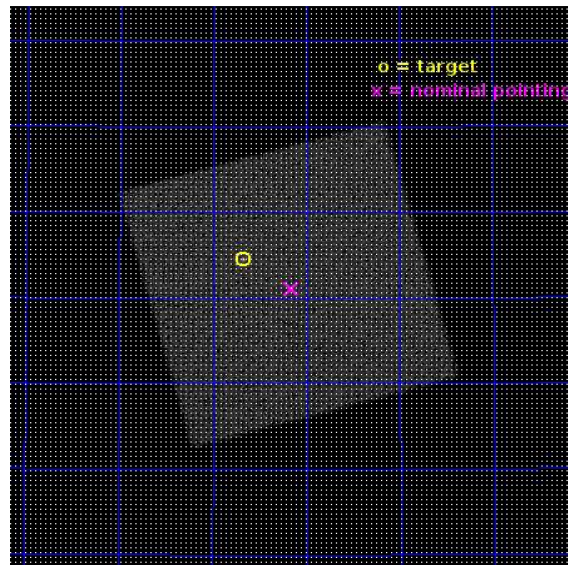
L2 Processing Date : Sep 18 2017

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1 Front

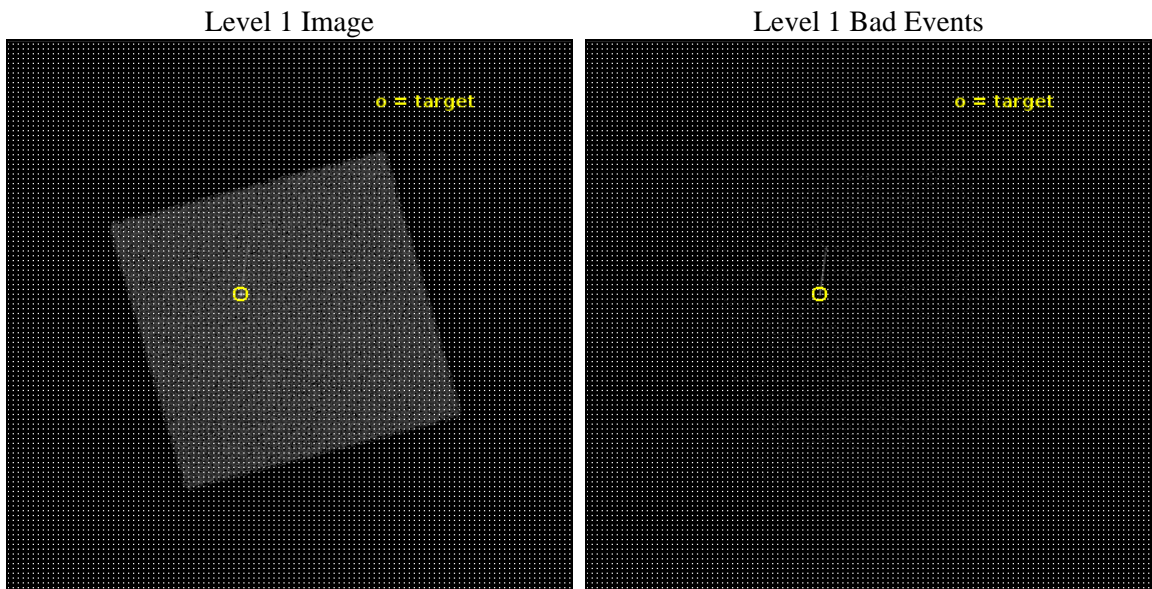
seq_num	291348	Sequence number
obs_id	19831	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.04006850927	Nominal RA [deg]
dec_nom	45.684915521773	Nominal Dec [deg]
roll_nom	209.42246347944	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.9813190699	[s]
livetime	1163.4229467543	Ontime multiplied by DTCOR
l2events	126857	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1177.9813190699	[s]
caldsver	4.7.6	 	l1events	212571	Number of level 1 events
date	2017-09-18T03:51:52	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

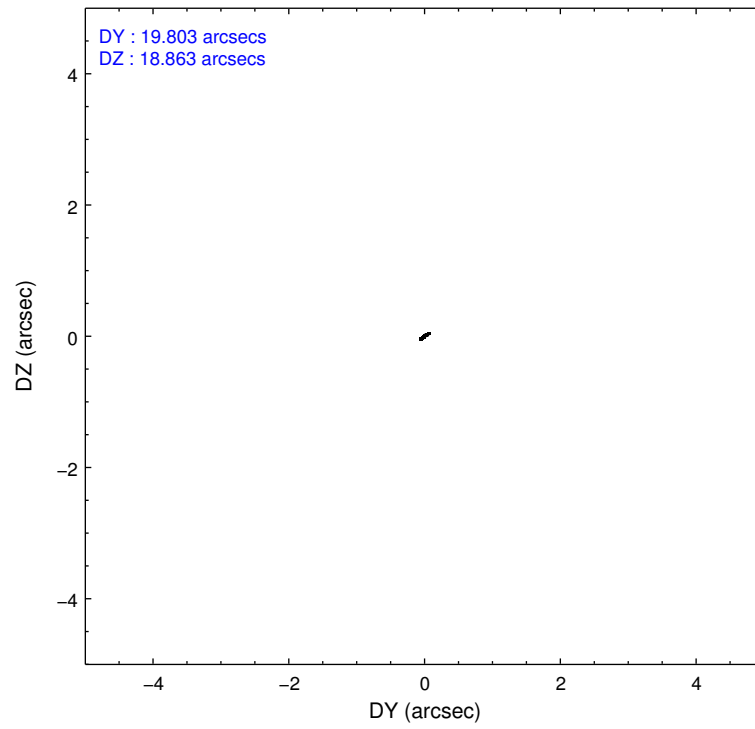
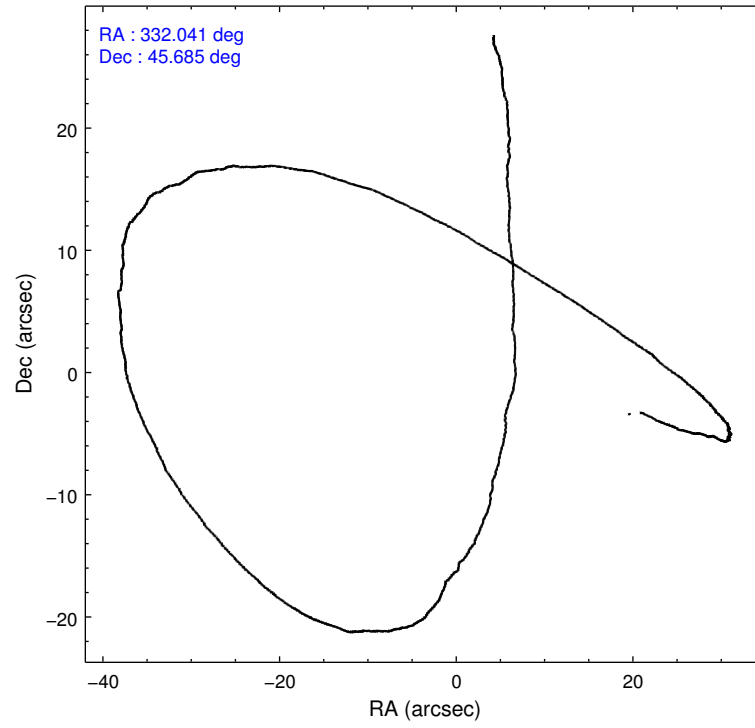
Level 1 Events

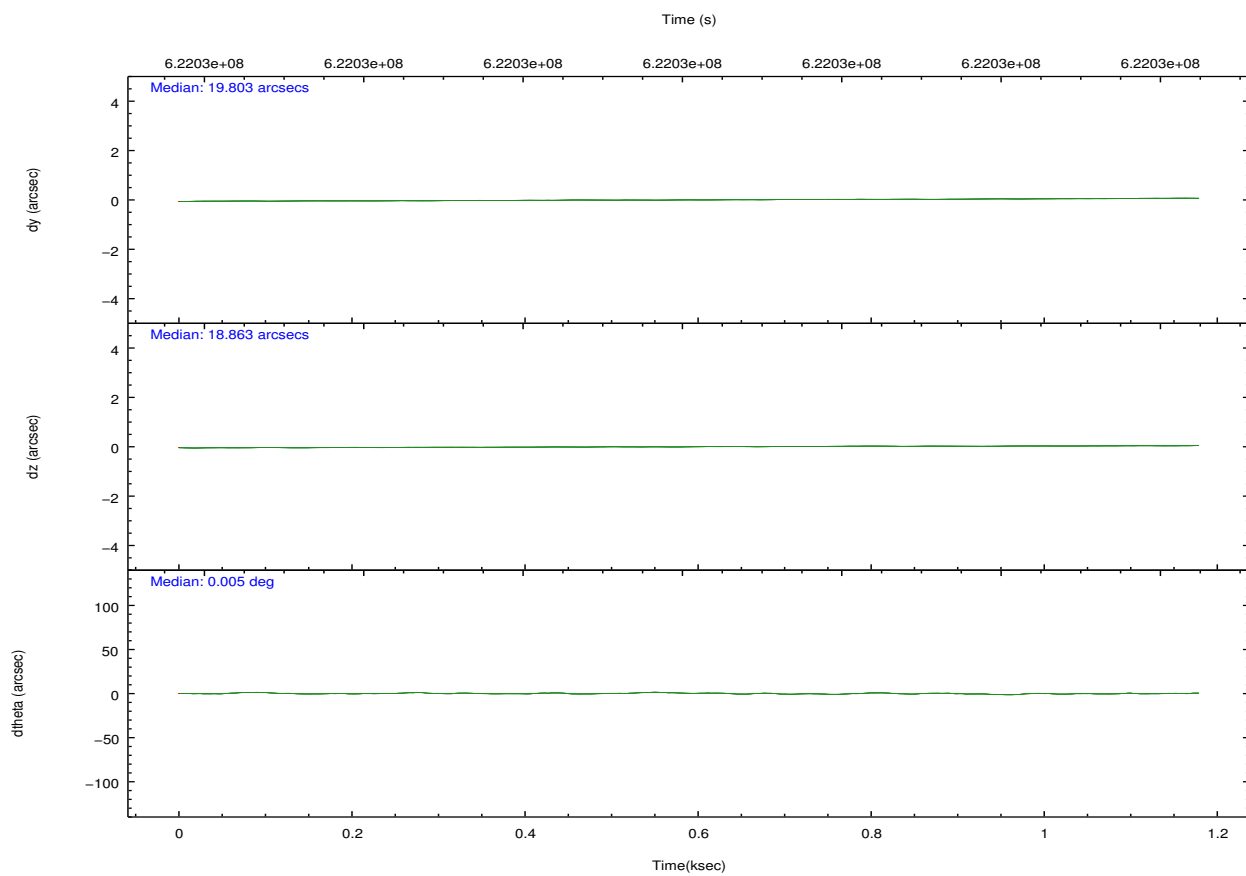
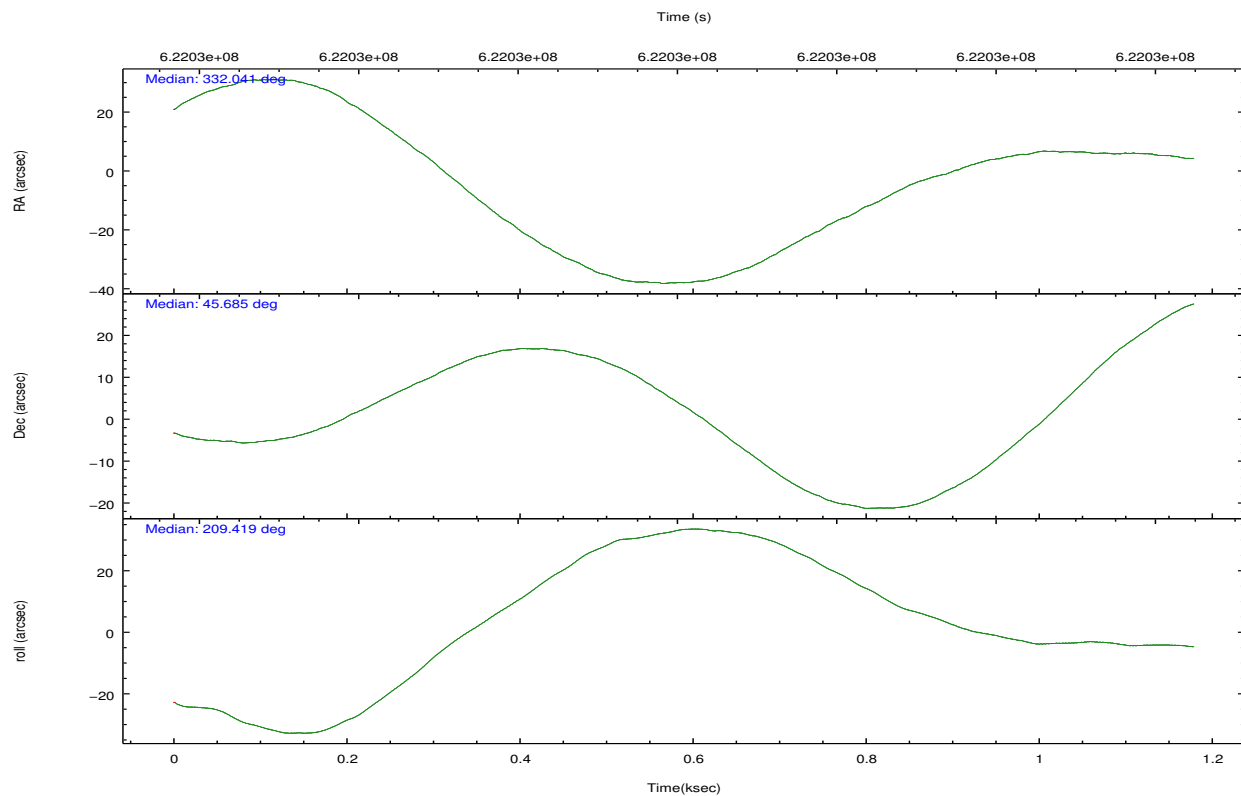
	segment 0
level 1 events	212571
rejected events	46399
rejected %	21%

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	332.058246	332.0400685092669			
[deg] Pointing Dec	45.709135	45.68491552177253			
[deg] Pointing Roll	209.504931	209.4224634794395			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	622029778.184000	622029402.94188			
Observation start date	2017-09-17T10:01:49	2017-09-17T09:56:42			
[s] Observation end time (MET)	622030778.184000	622030912.25447			
Observation end date	2017-09-17T10:18:29	2017-09-17T10:21:52			

2.3 Aspect



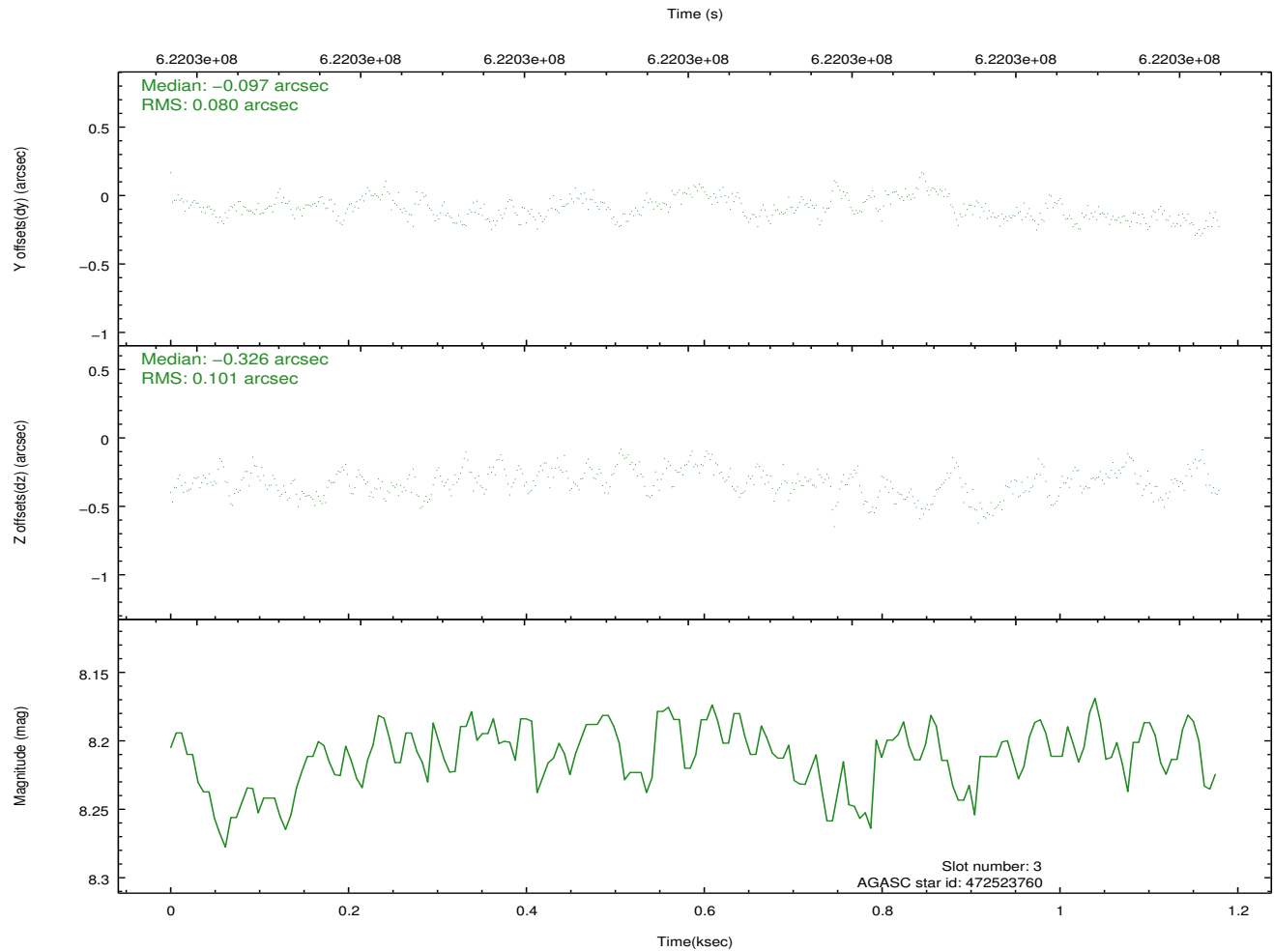
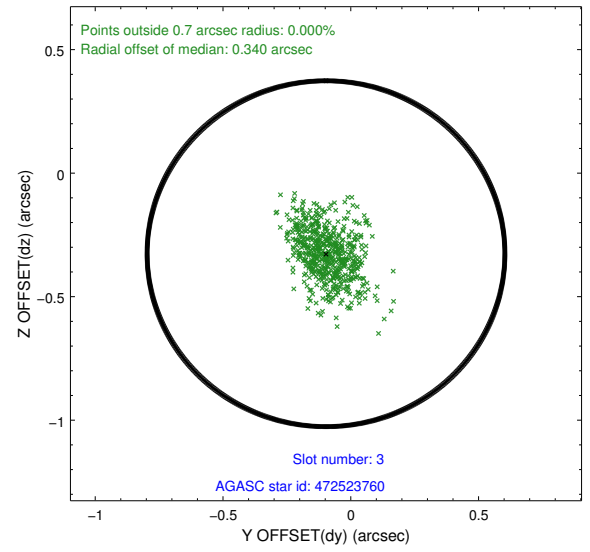
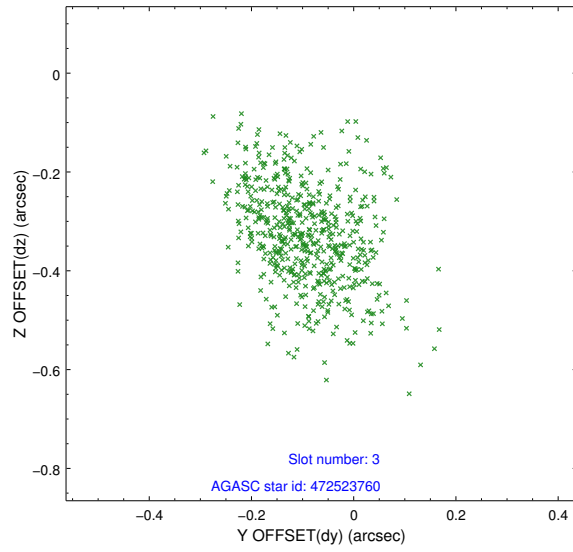


Slot Statistics

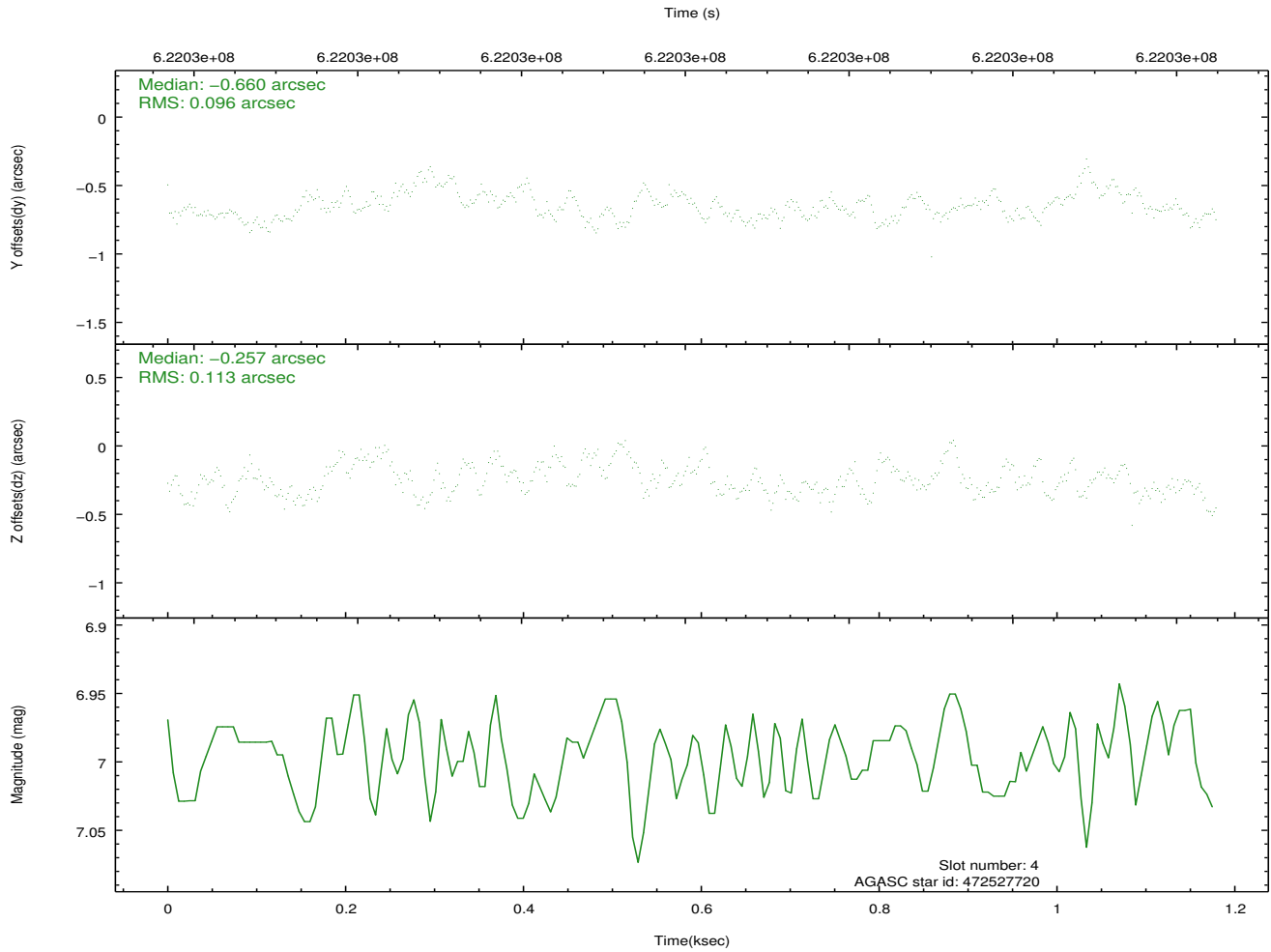
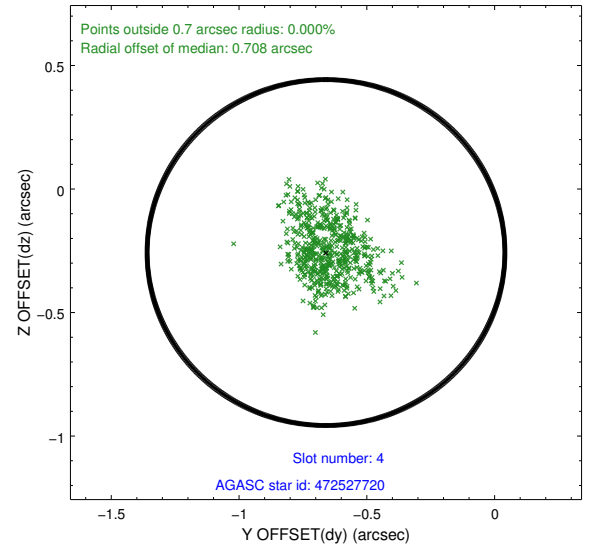
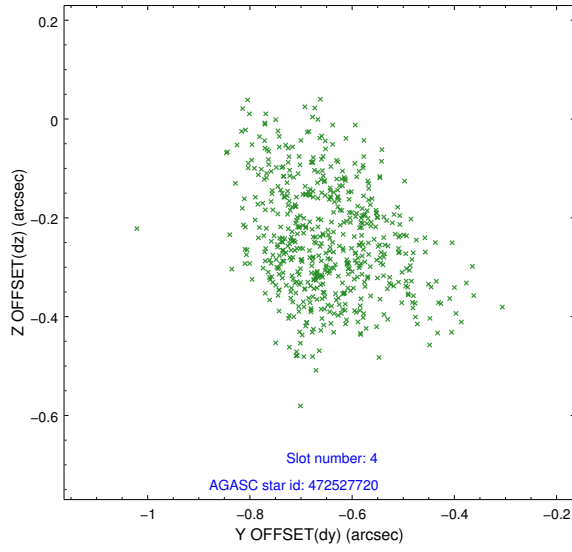
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	288	-0.210	-0.017	0.008	0.016	0.000000	0.000000	-775.87	-1307.12
1	FID		HRC-I-2	7.05	288	0.351	-0.103	0.007	0.013	0.000000	0.000000	834.63	-1313.22
2	FID		HRC-I-3	7.12	288	-0.022	0.031	0.006	0.010	0.000000	0.000000	-1201.40	992.91
3	GUIDE	used	472523760	8.21	576	-0.097	-0.326	0.136	0.226	331.645363	45.403260	1451.04	439.66
4	GUIDE	used	472527720	6.99	576	-0.660	-0.257	0.155	0.262	331.460205	45.112509	2380.91	1114.64
5	GUIDE	used	472533912	9.10	575	0.520	0.358	0.221	0.392	331.791136	46.368695	-586.01	-2394.08
6	GUIDE	used	472655152	9.38	576	0.174	-0.225	0.221	0.377	332.504239	45.862991	-1246.58	59.55
7	GUIDE	used	472659832	9.38	572	0.045	0.434	0.282	0.445	332.780399	46.098139	-2263.01	-339.71

2.4 Star Slots

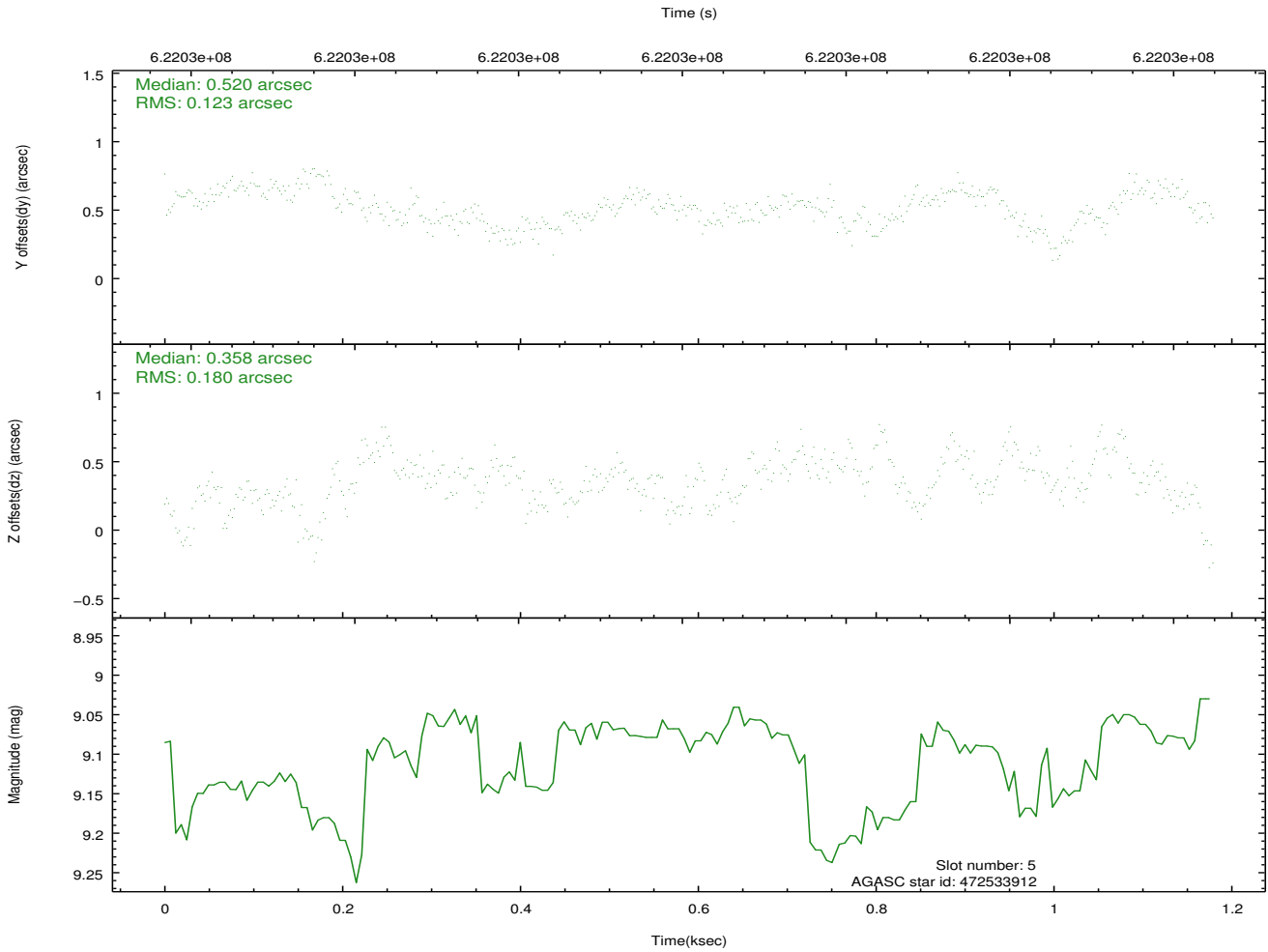
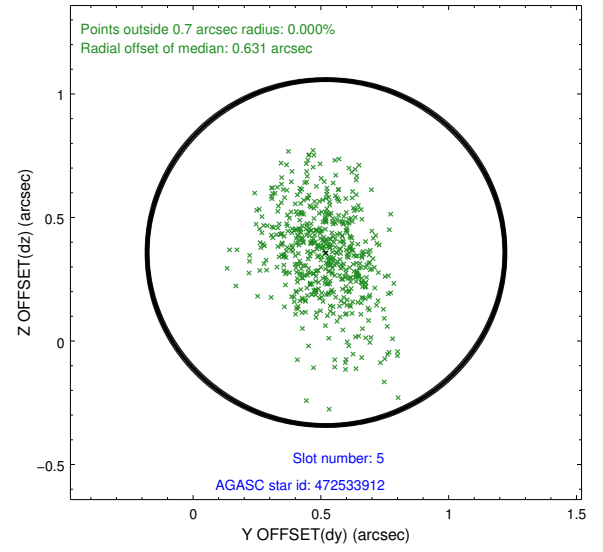
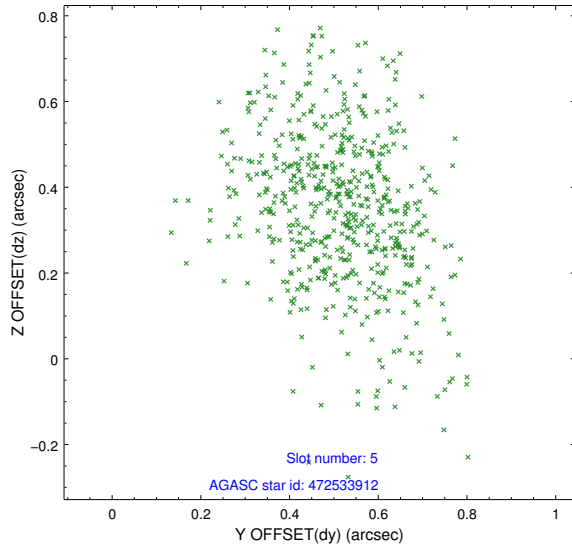
2.4.1 Slot 3



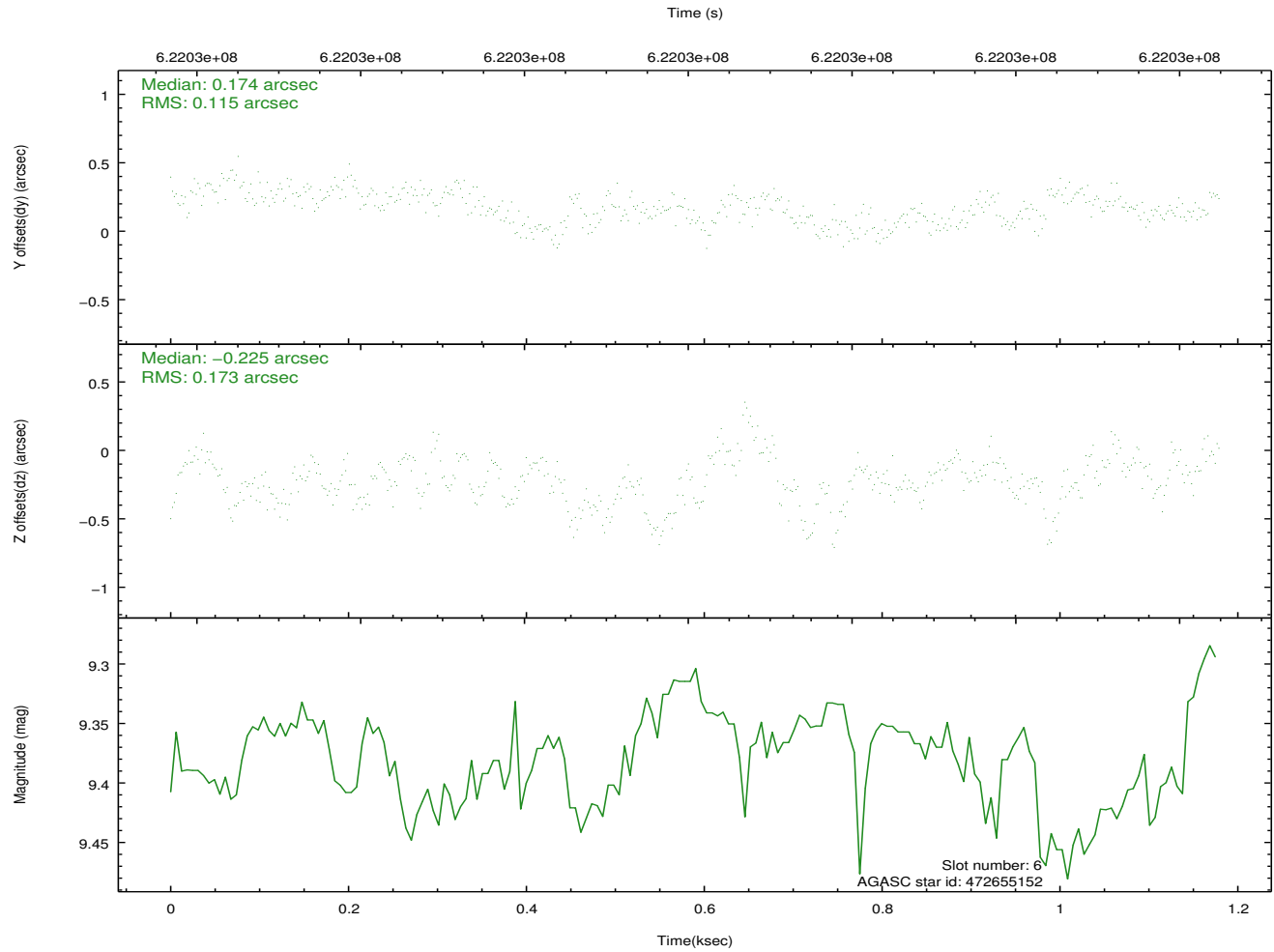
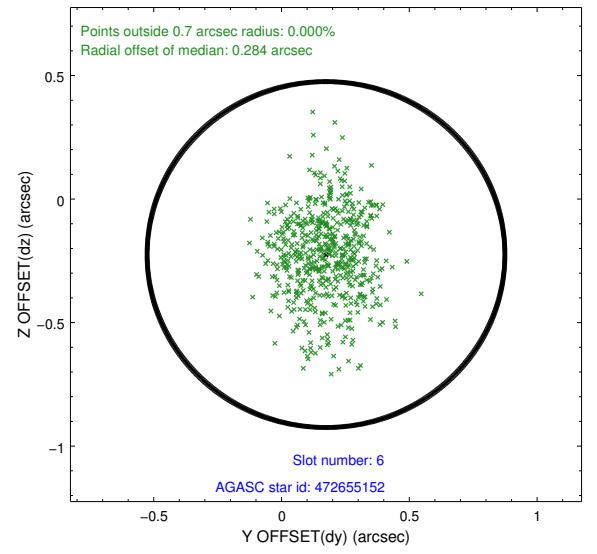
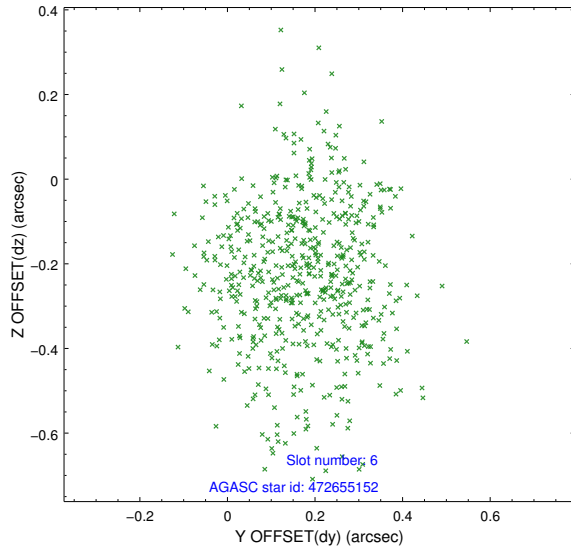
2.4.2 Slot 4



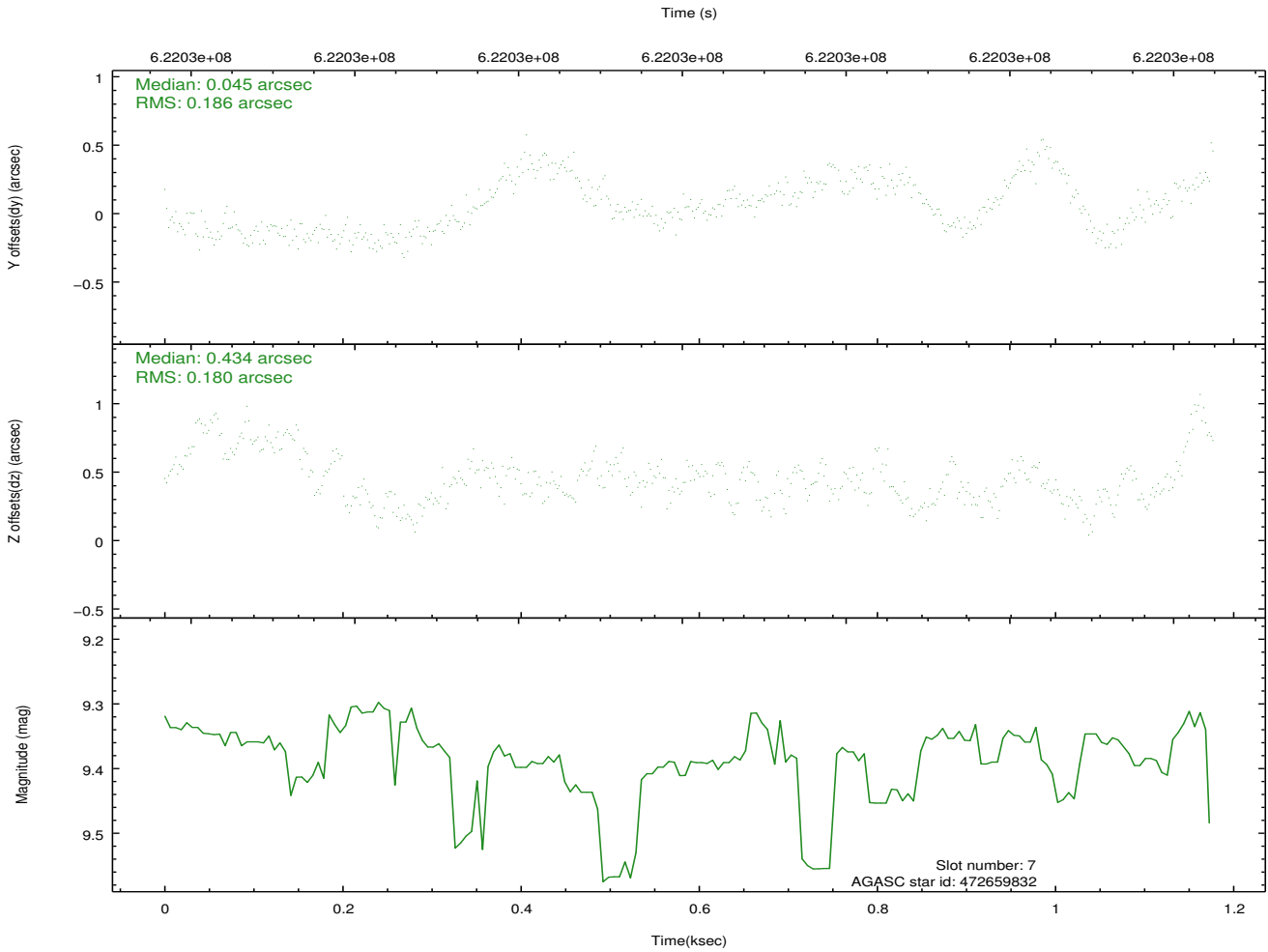
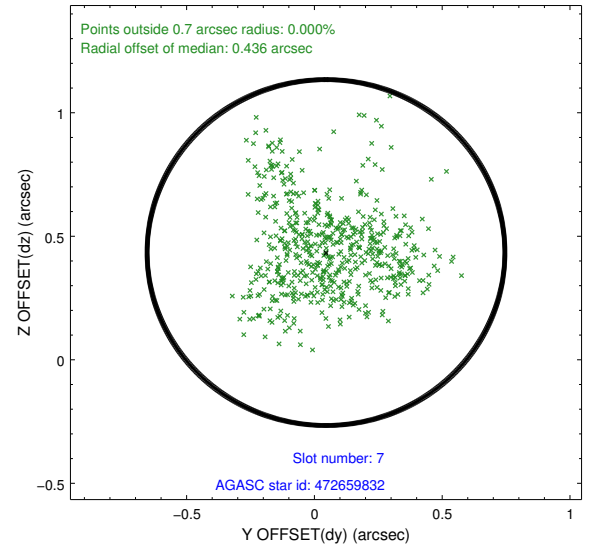
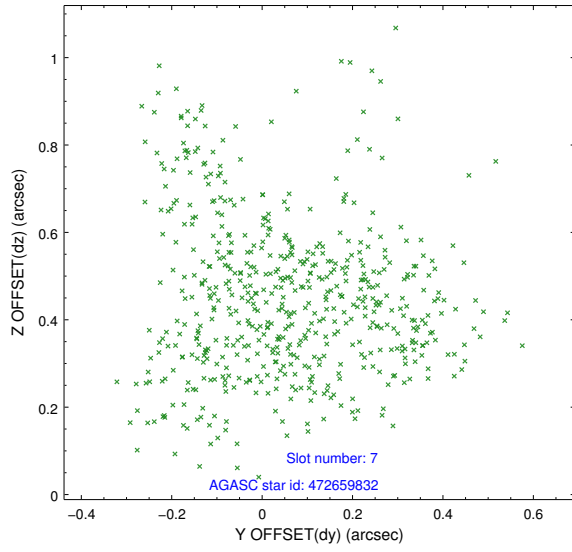
2.4.3 Slot 5



2.4.4 Slot 6

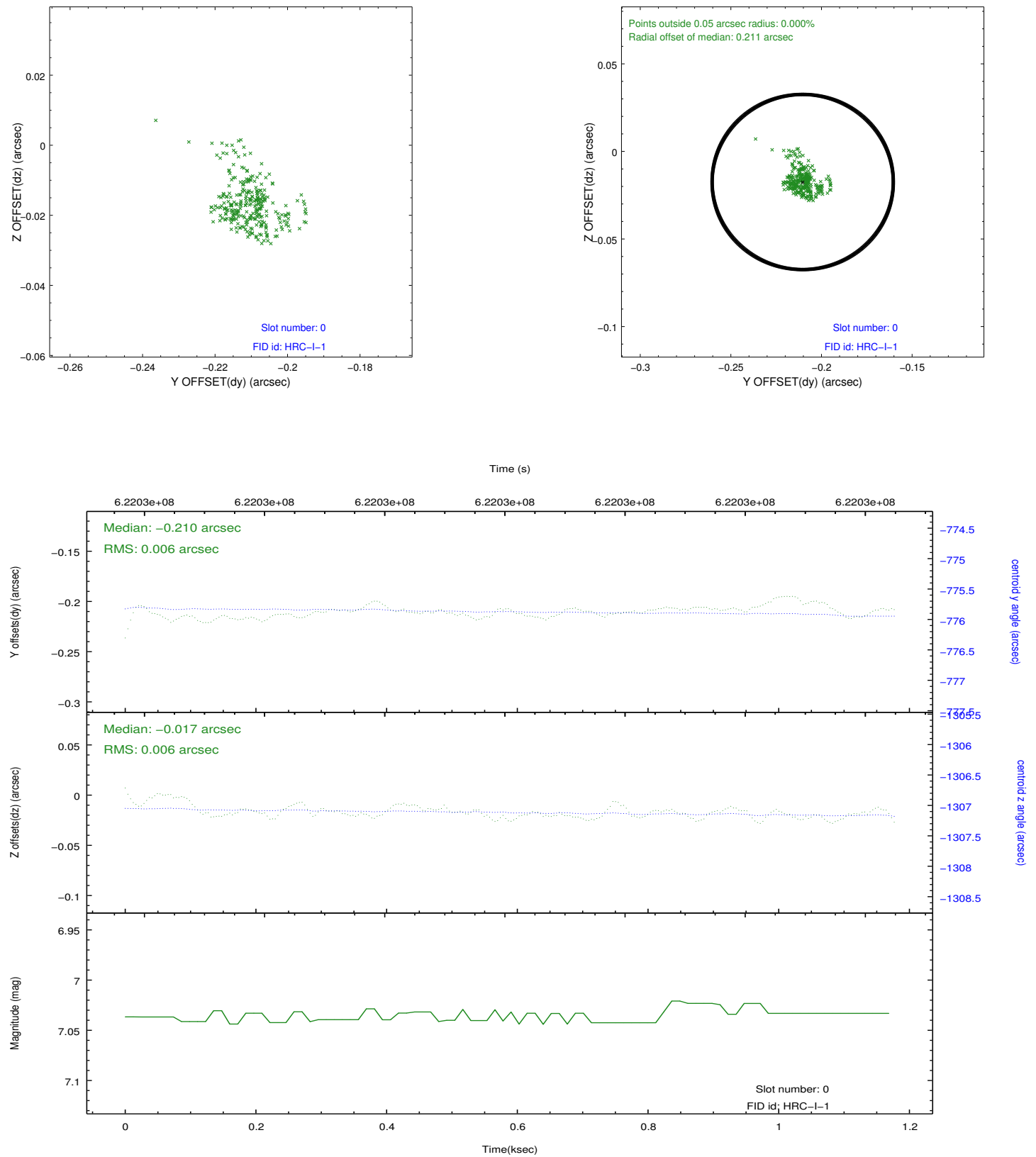


2.4.5 Slot 7

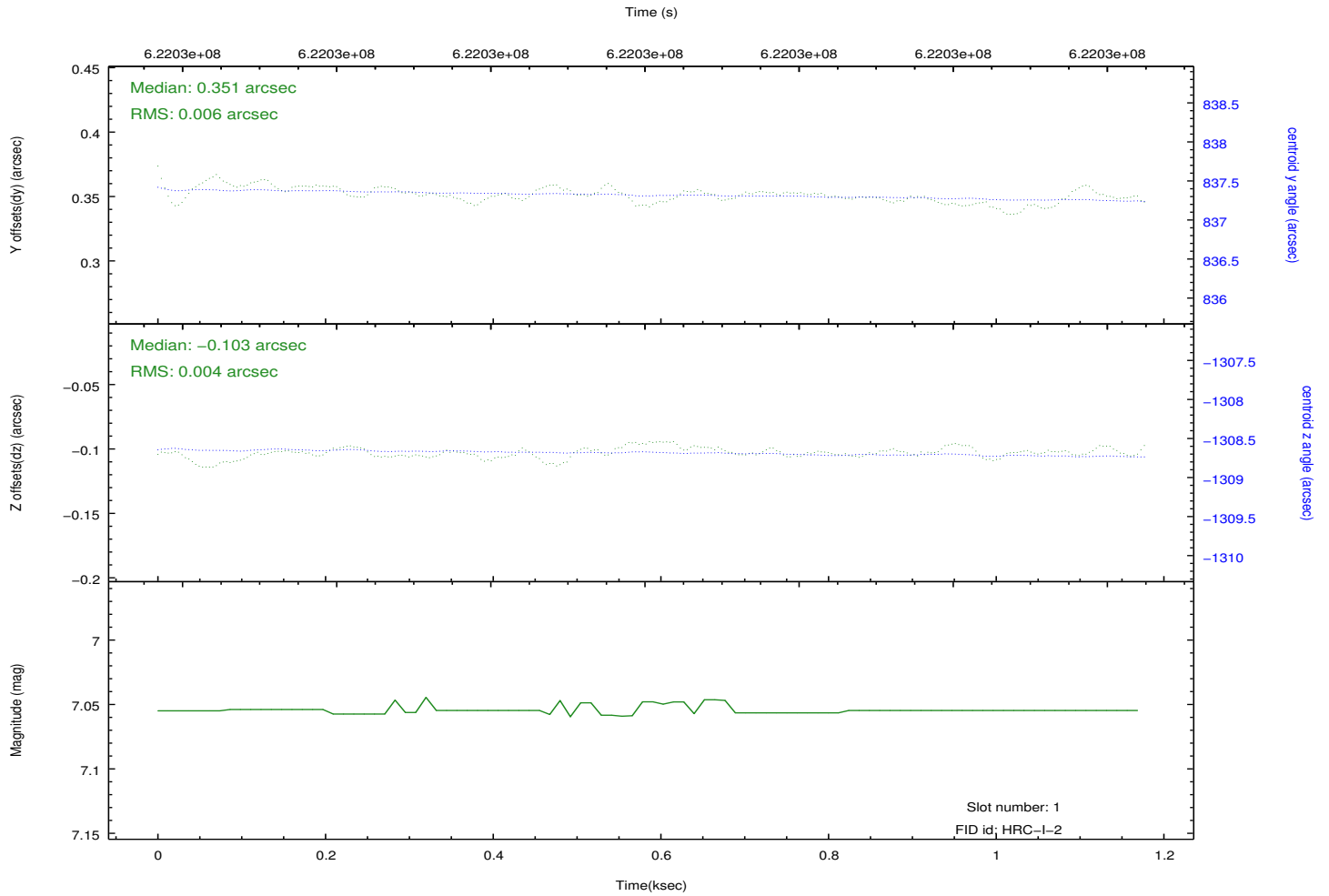
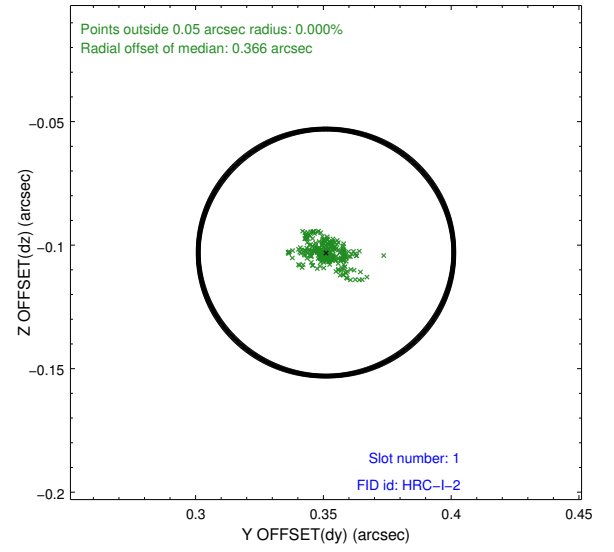
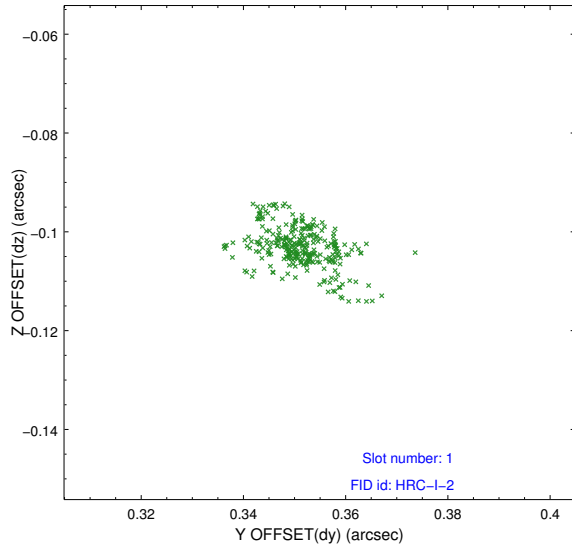


2.5 FID Slots

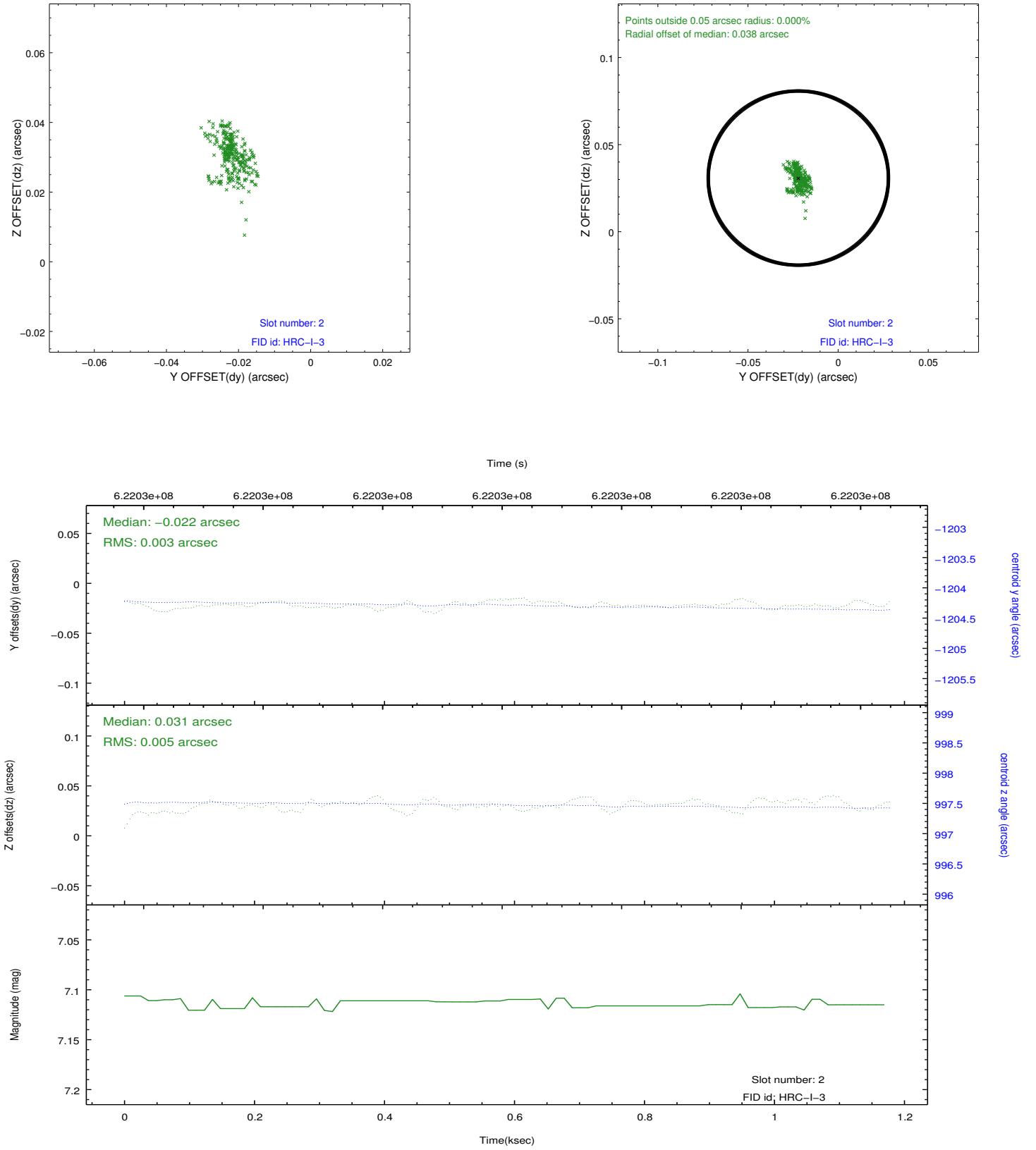
2.5.1 Slot 0



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)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1779813190699

A.2 Comments