

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19816 - L2 Version 1
Chandra X-Ray Center

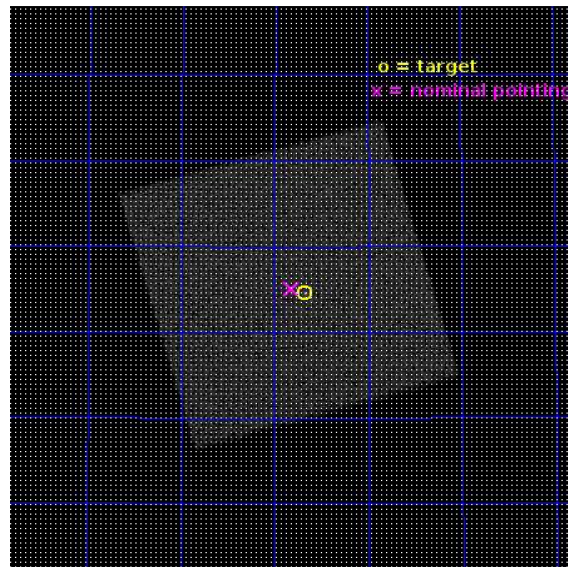
L2 Processing Date : Sep 17 2017

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1 Front

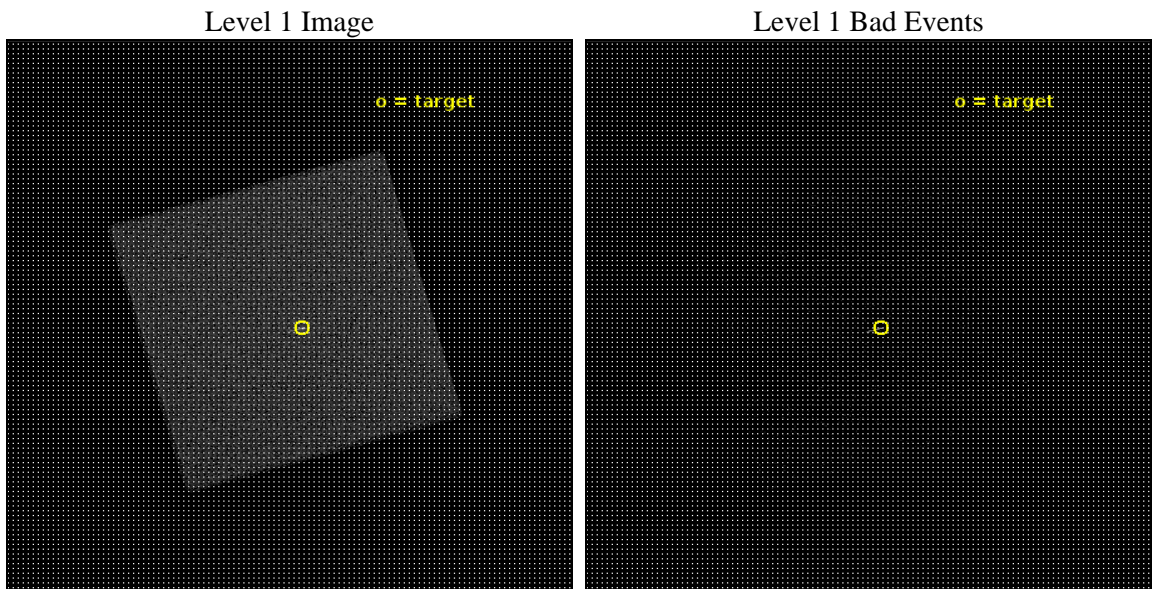
seq_num	291333	Sequence number
obs_id	19816	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20596809133	Nominal RA [deg]
dec_nom	45.751496621952	Nominal Dec [deg]
roll_nom	208.86421841865	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1173.6250687838	[s]
livetime	1159.0274111532	Ontime multiplied by DTCOR
l2events	127707	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	1173.6250687838	[s]
caldbver	4.7.6	 	l1events	254461	Number of level 1 events
date	2017-09-17T15:25:56	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

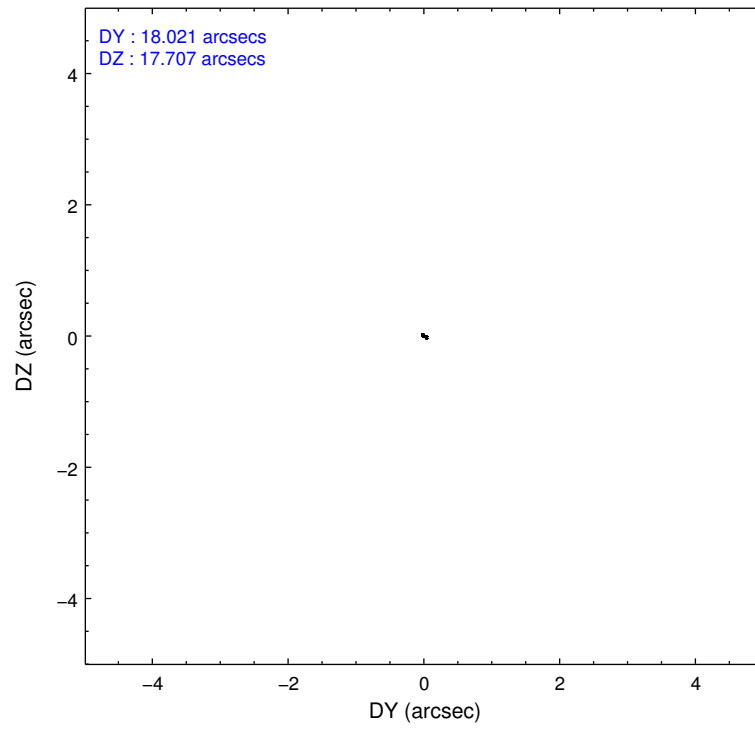
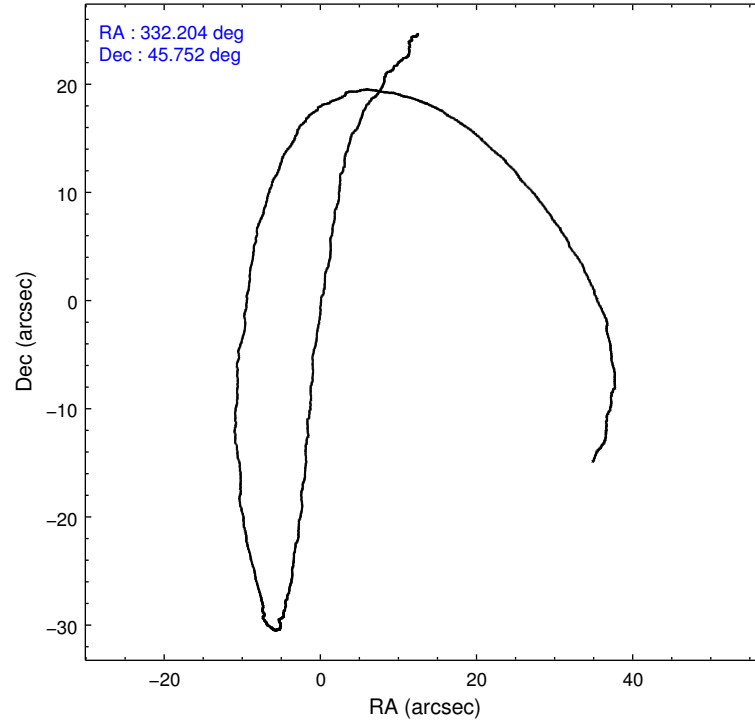
Level 1 Events

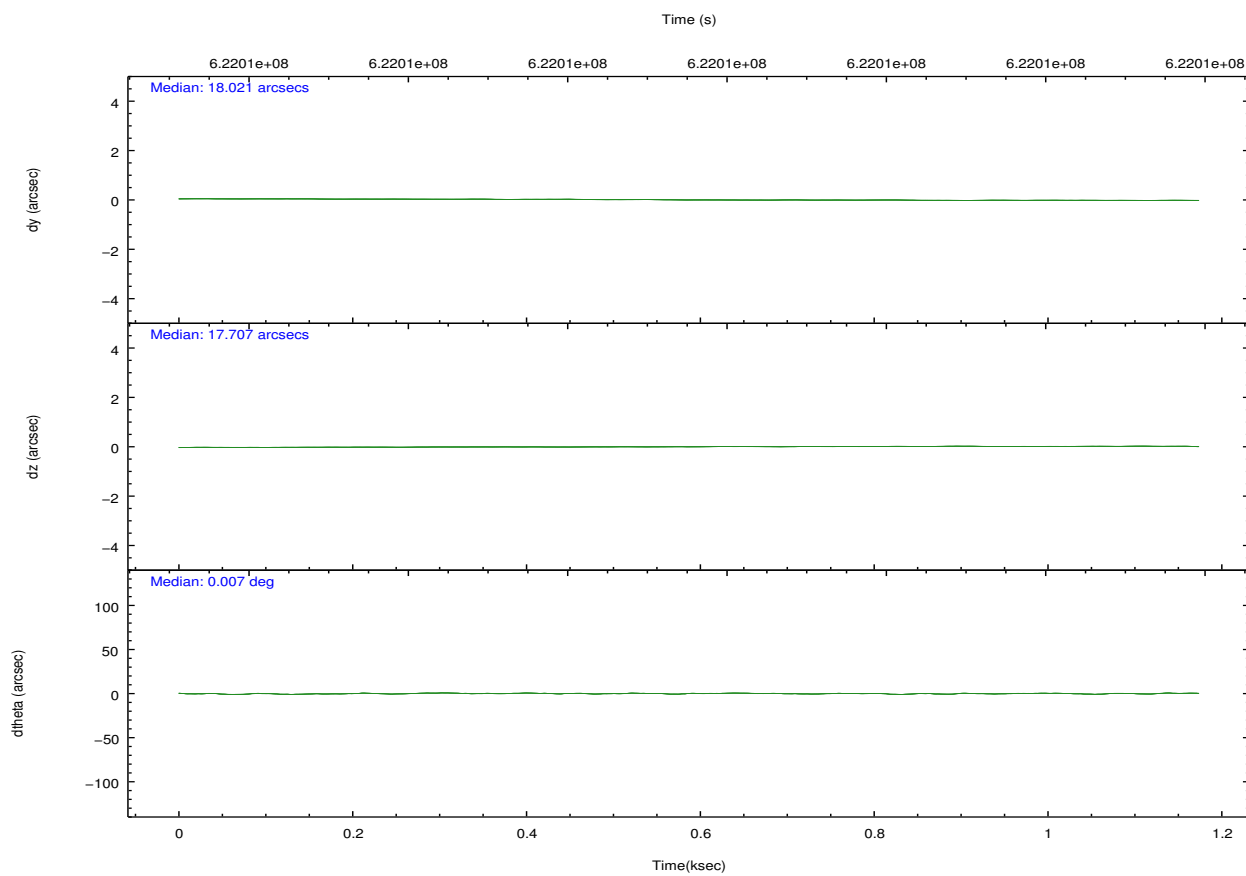
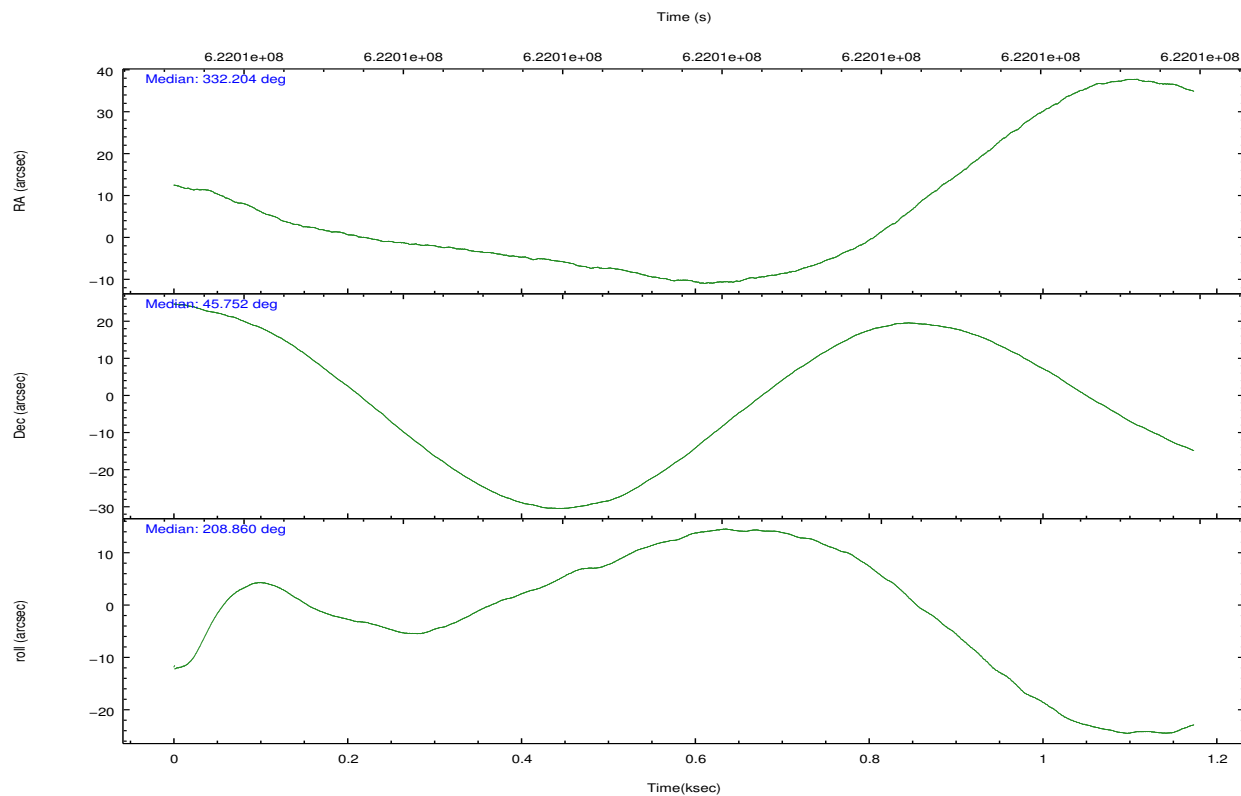
	segment 0
level 1 events	254461
rejected events	87773
rejected %	34%

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	332.225306	332.2059680913272			
[deg] Pointing Dec	45.774718	45.75149662195234			
[deg] Pointing Roll	208.946009	208.8642184186496			
[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)	622007128.184000	622006472.66554			
Observation start date	2017-09-17T03:44:19	2017-09-17T03:34:32			
[s] Observation end time (MET)	622008128.184000	622008262.31565			
Observation end date	2017-09-17T04:00:59	2017-09-17T04:04:22			

2.3 Aspect



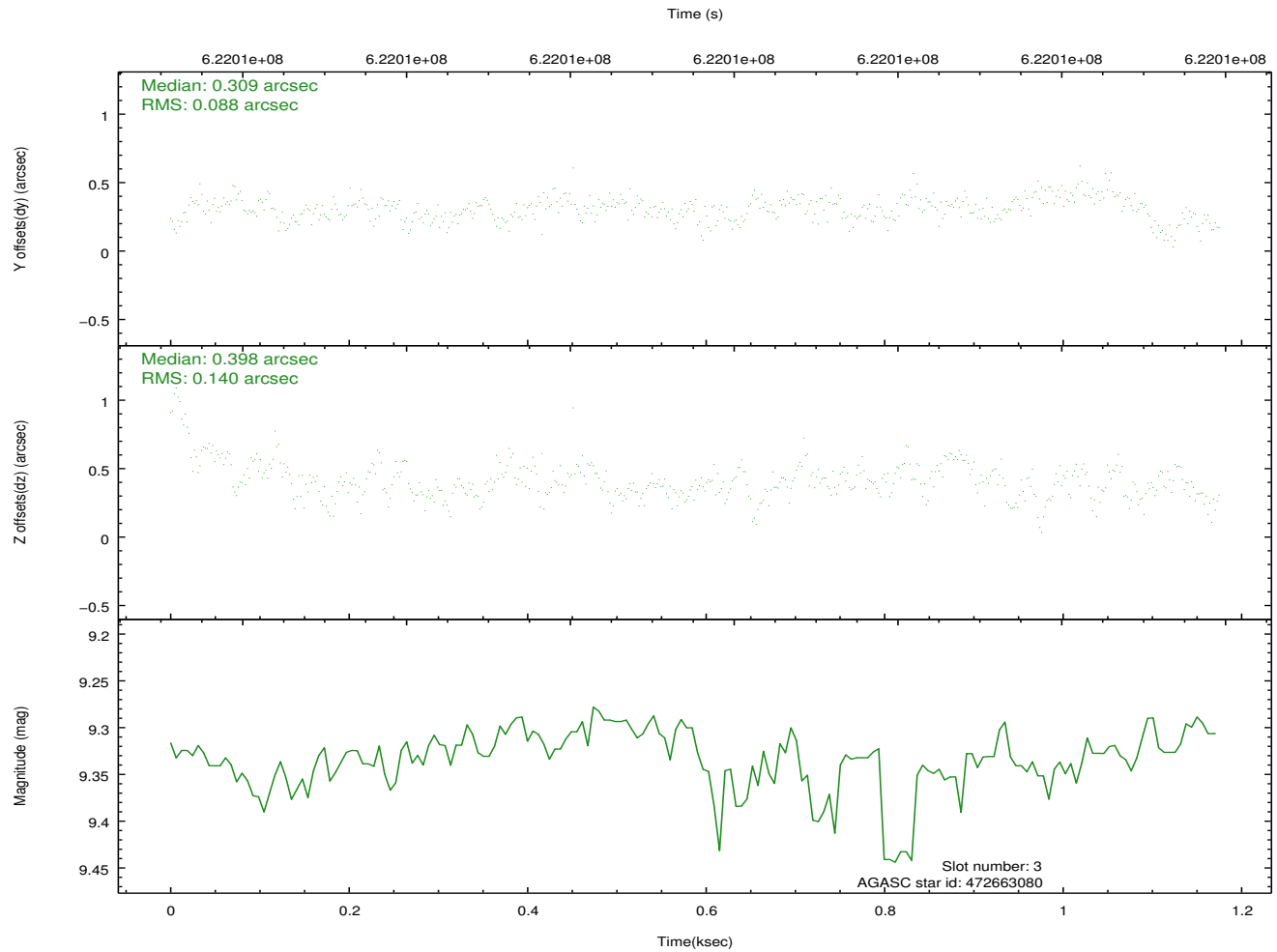
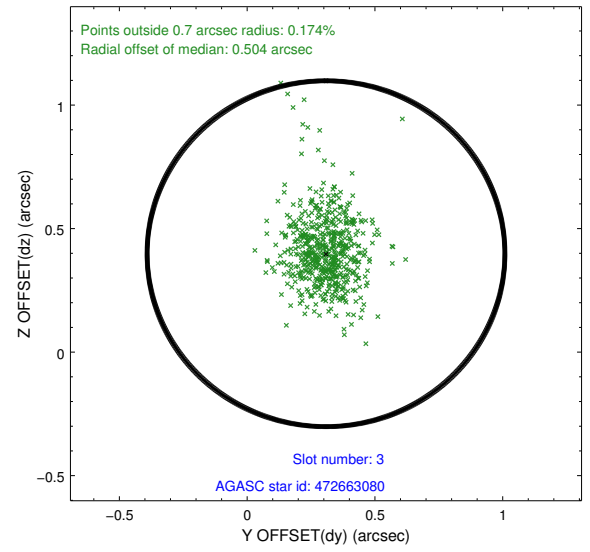
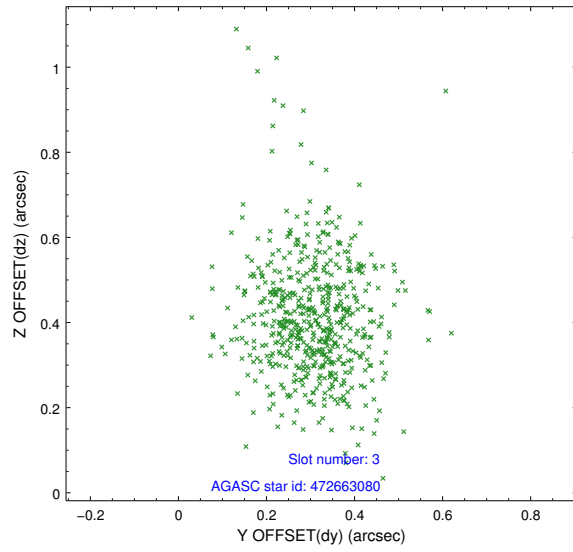


Slot Statistics

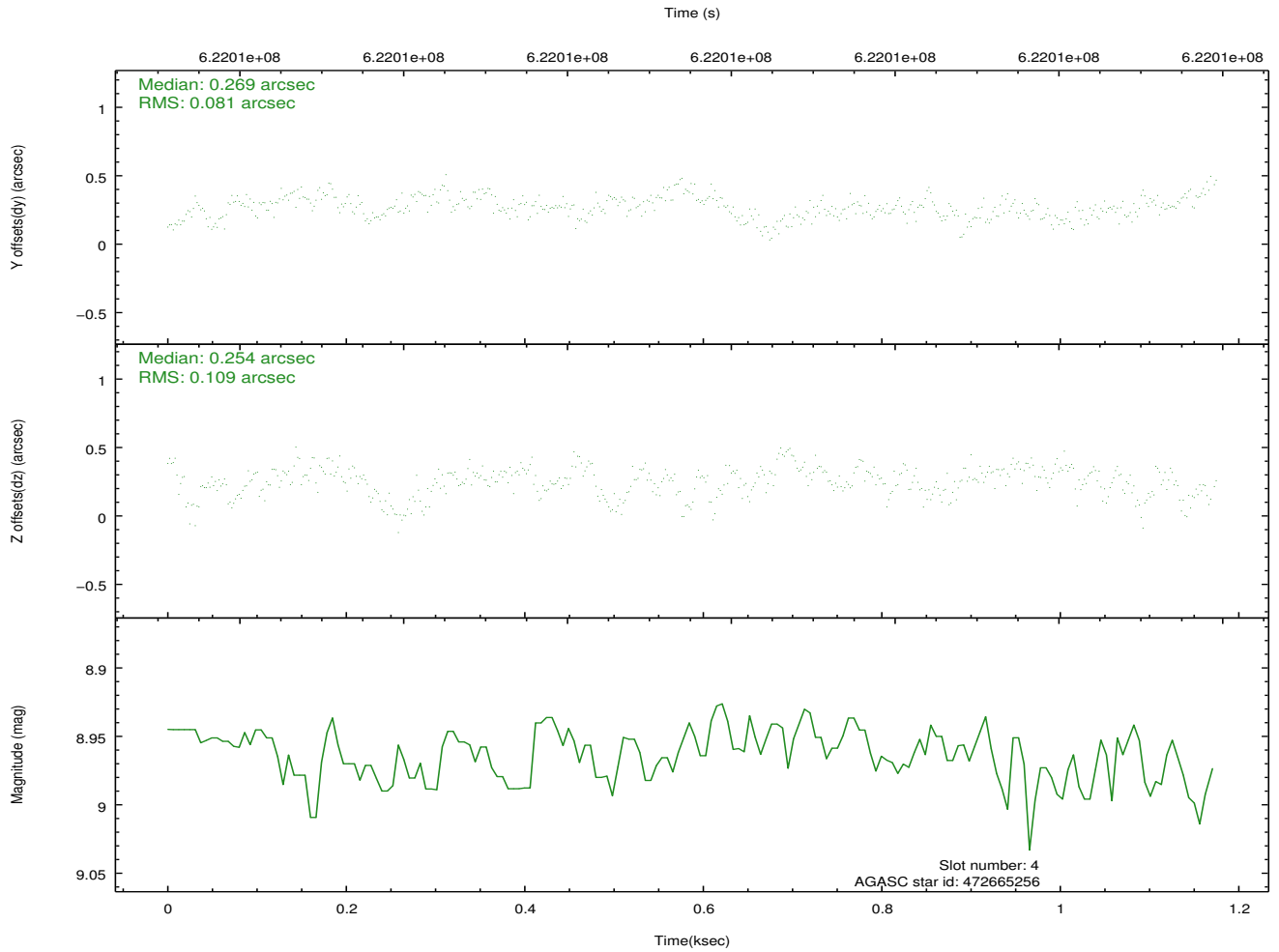
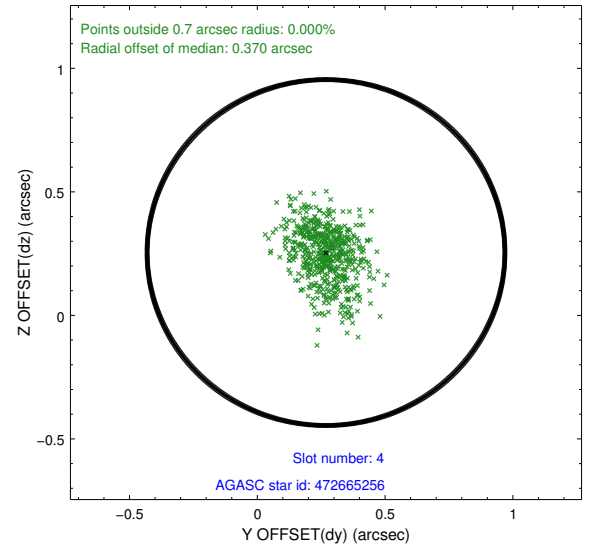
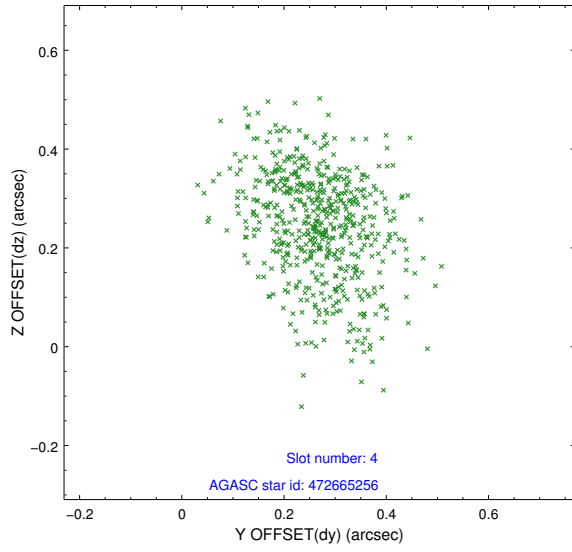
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.05	287	0.120	-0.146	0.007	0.012	0.000000	0.000000	838.87	-1307.56
1	FID		HRC-I-3	7.10	287	-0.340	0.066	0.006	0.011	0.000000	0.000000	-1199.84	994.18
2	FID		HRC-I-4	7.03	287	0.340	-0.007	0.008	0.013	0.000000	0.000000	1265.02	999.78
3	GUIDE	used	472663080	9.33	574	0.309	0.398	0.163	0.273	332.652741	46.473840	-2145.01	-1690.12
4	GUIDE	used	472665256	8.96	573	0.269	0.254	0.141	0.248	332.808125	46.195041	-2007.85	-626.99
5	GUIDE	used	472533912	9.12	574	0.256	0.120	0.193	0.371	331.791136	46.368695	-94.16	-2395.00
6	GUIDE	used	472655152	9.41	573	0.071	-0.376	0.202	0.375	332.504239	45.862991	-764.97	56.61
7	GUIDE	used	472525528	6.64	573	-0.909	-0.385	0.143	0.233	331.551102	45.248694	2407.46	825.55

2.4 Star Slots

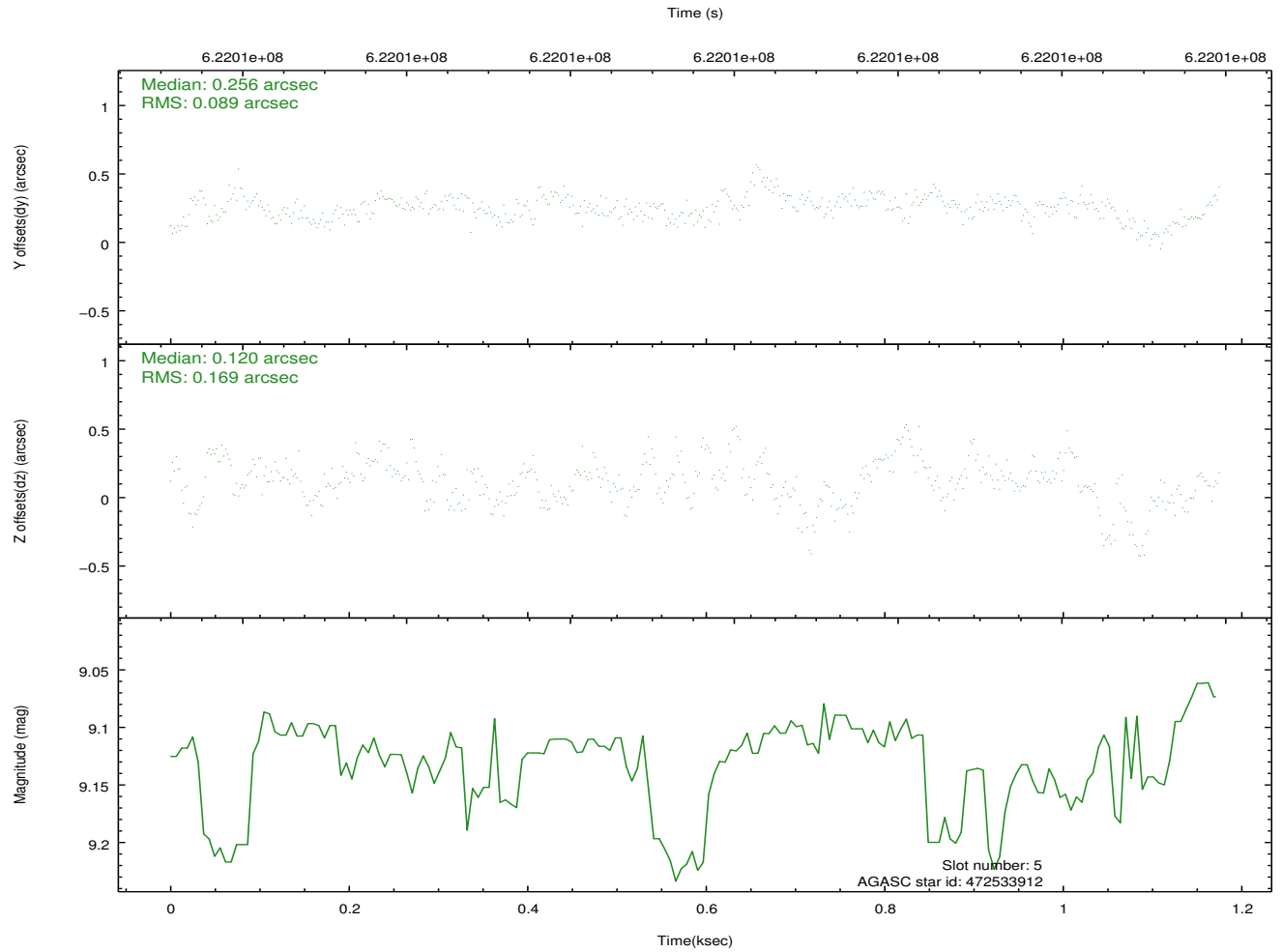
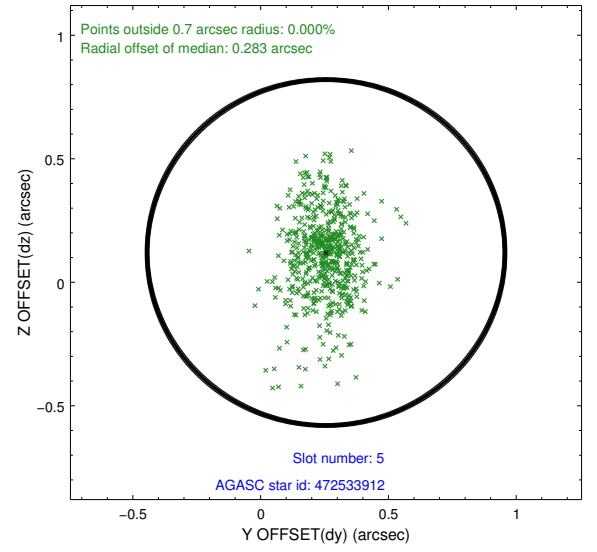
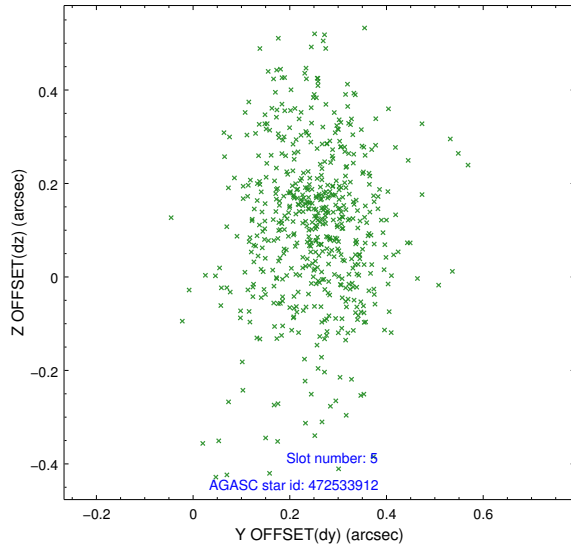
2.4.1 Slot 3



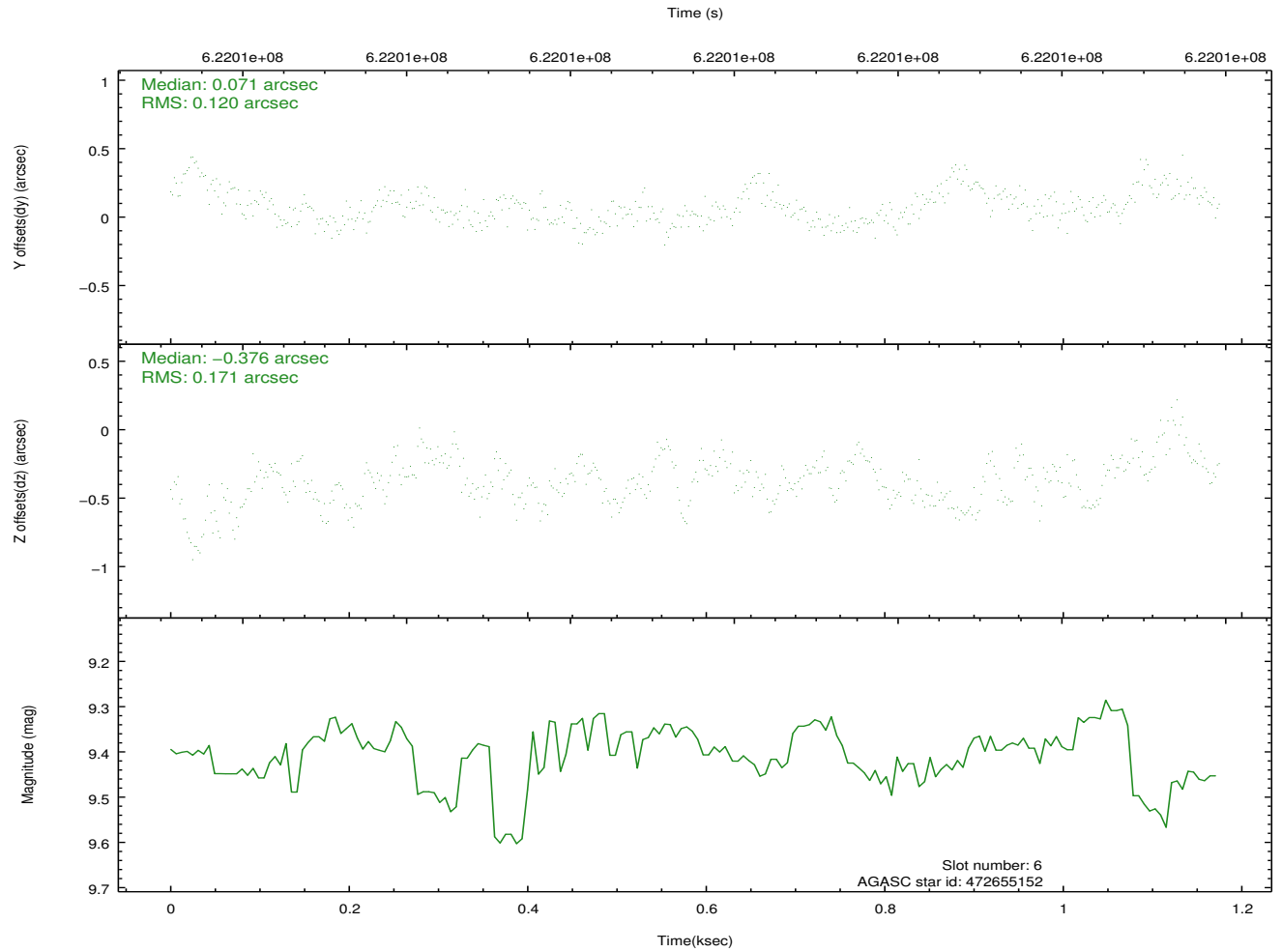
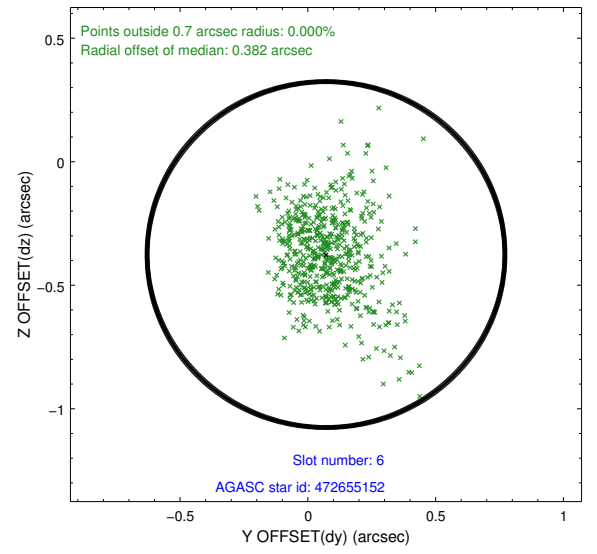
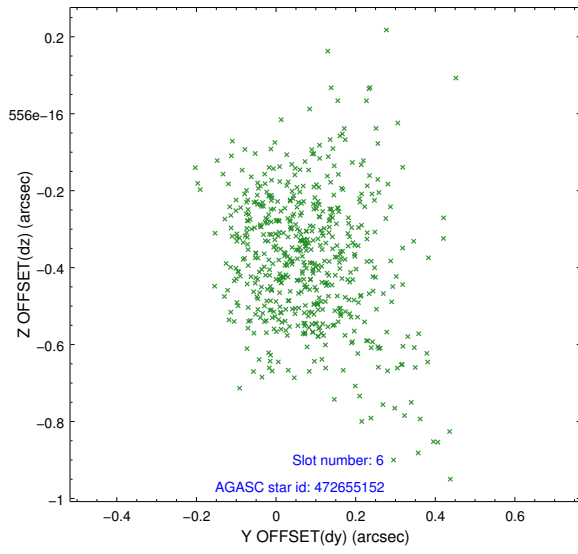
2.4.2 Slot 4



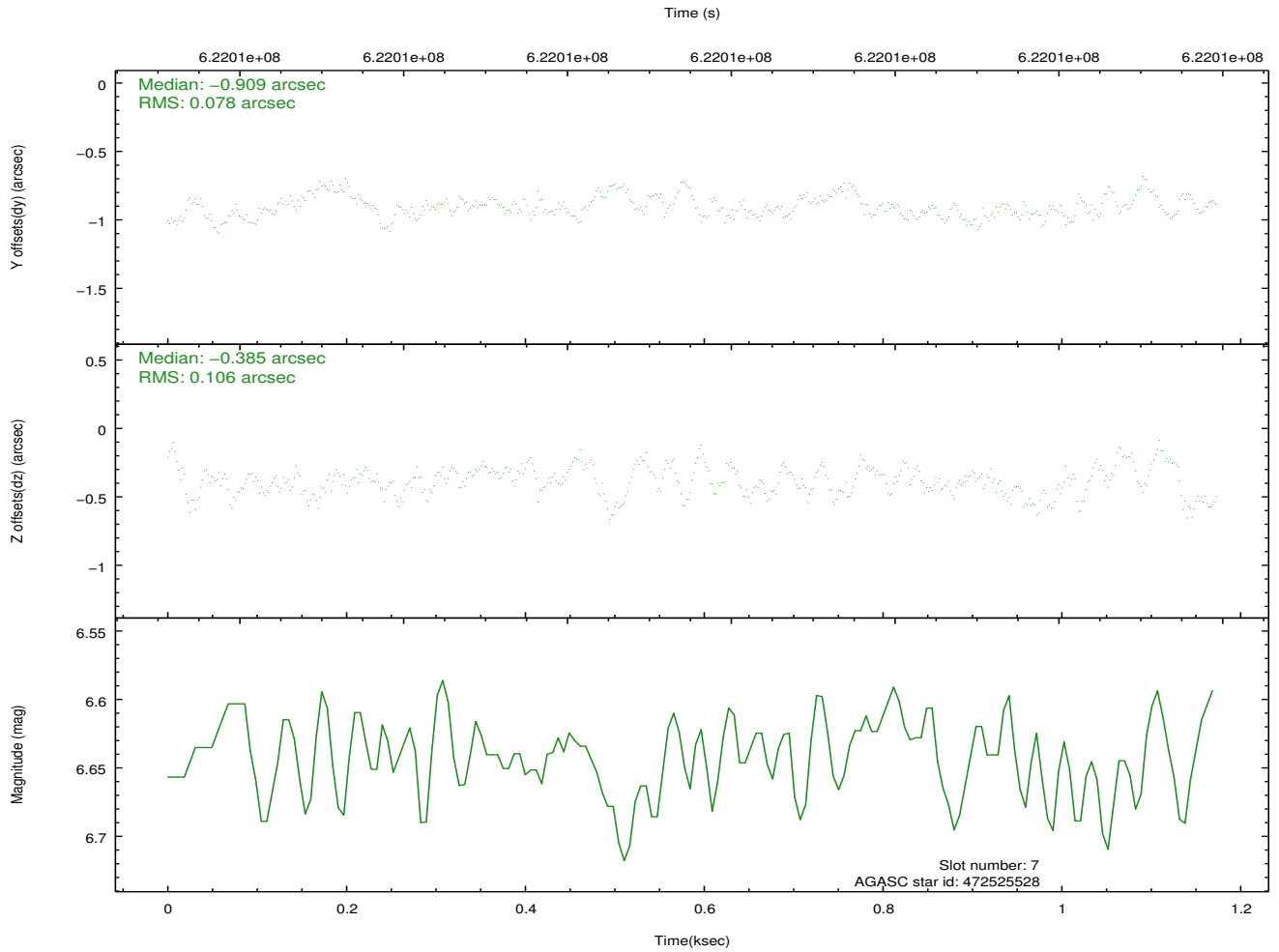
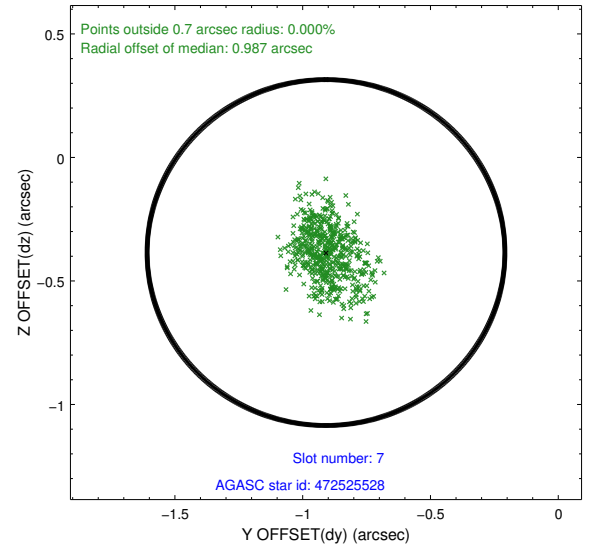
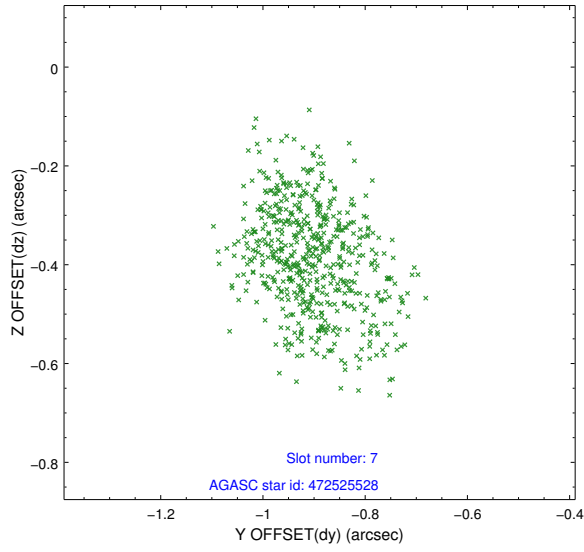
2.4.3 Slot 5



2.4.4 Slot 6

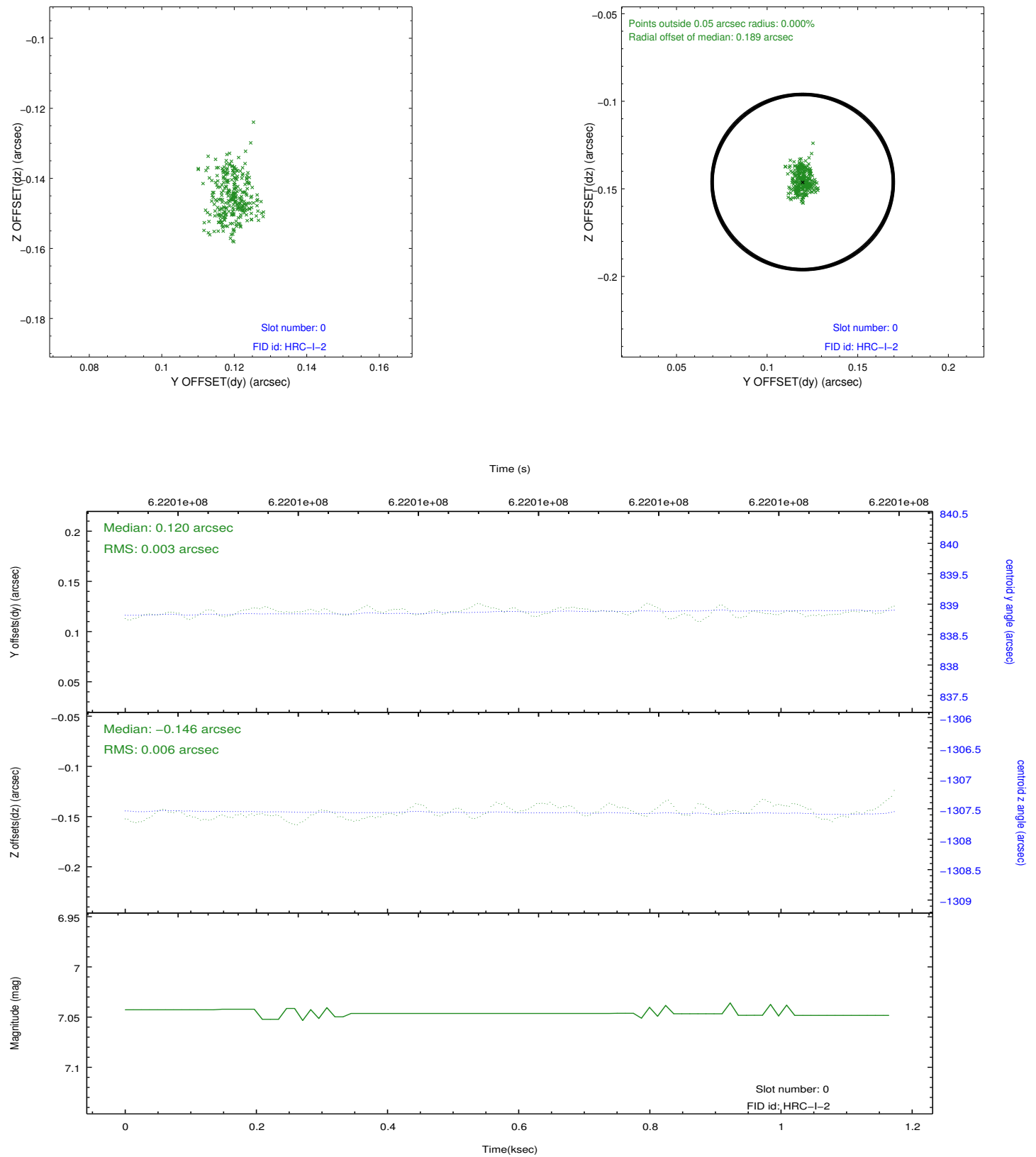


2.4.5 Slot 7

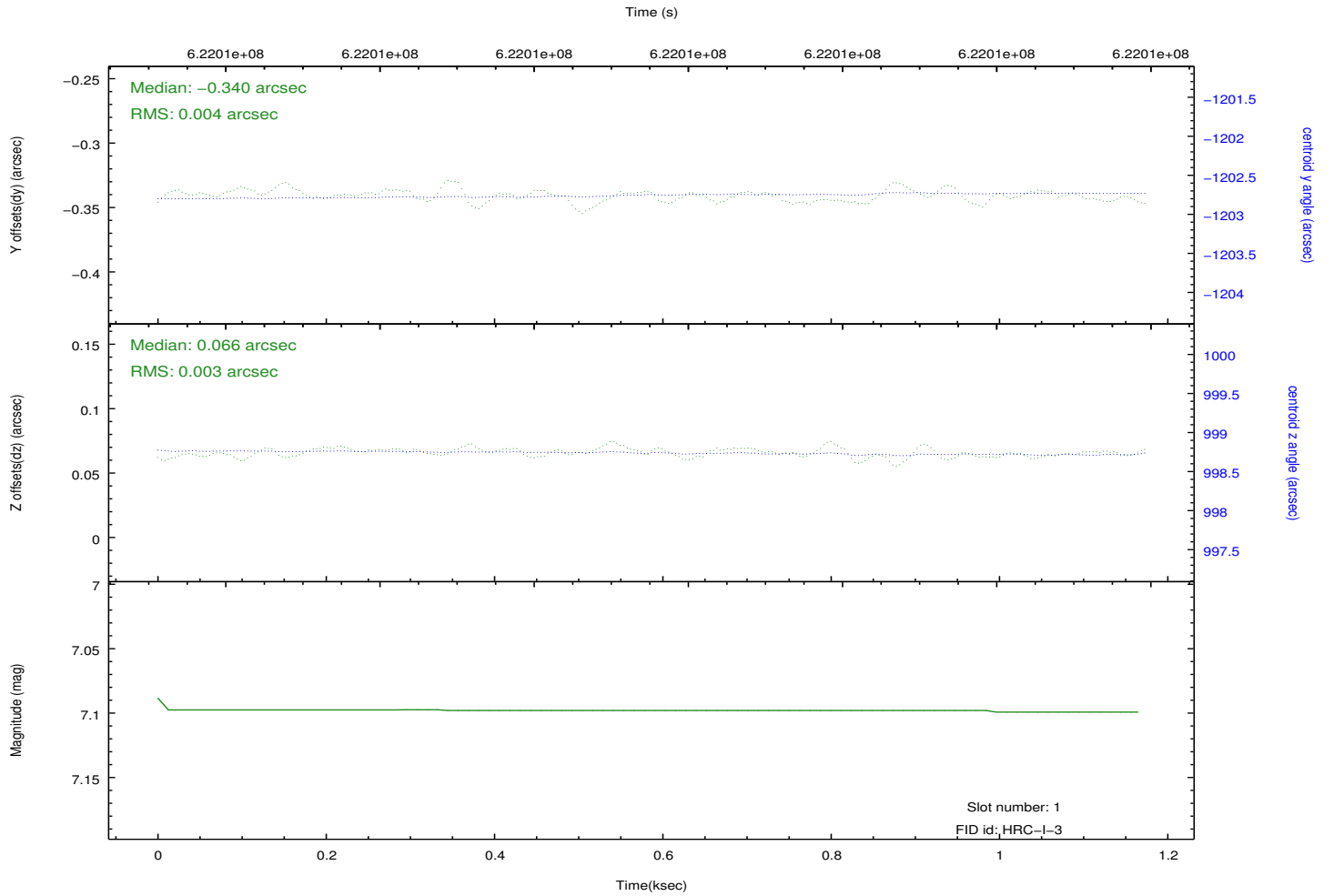
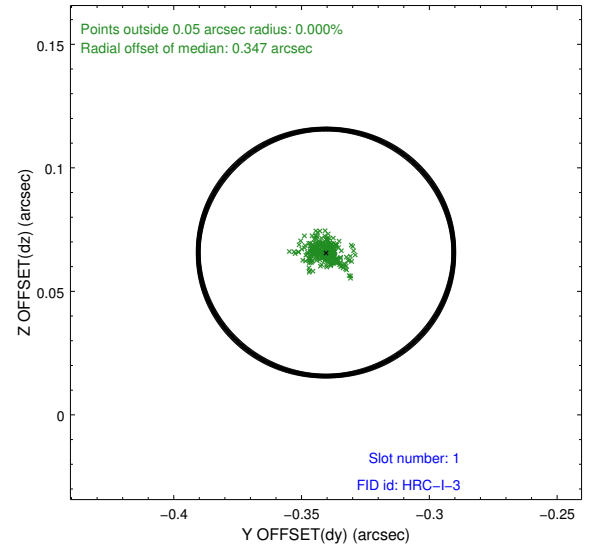
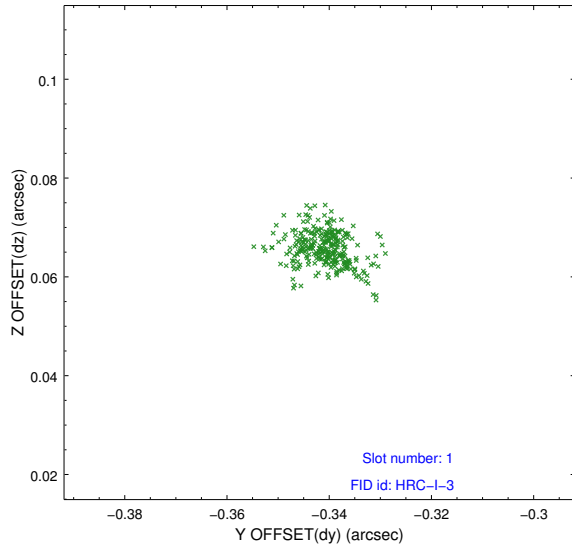


2.5 FID Slots

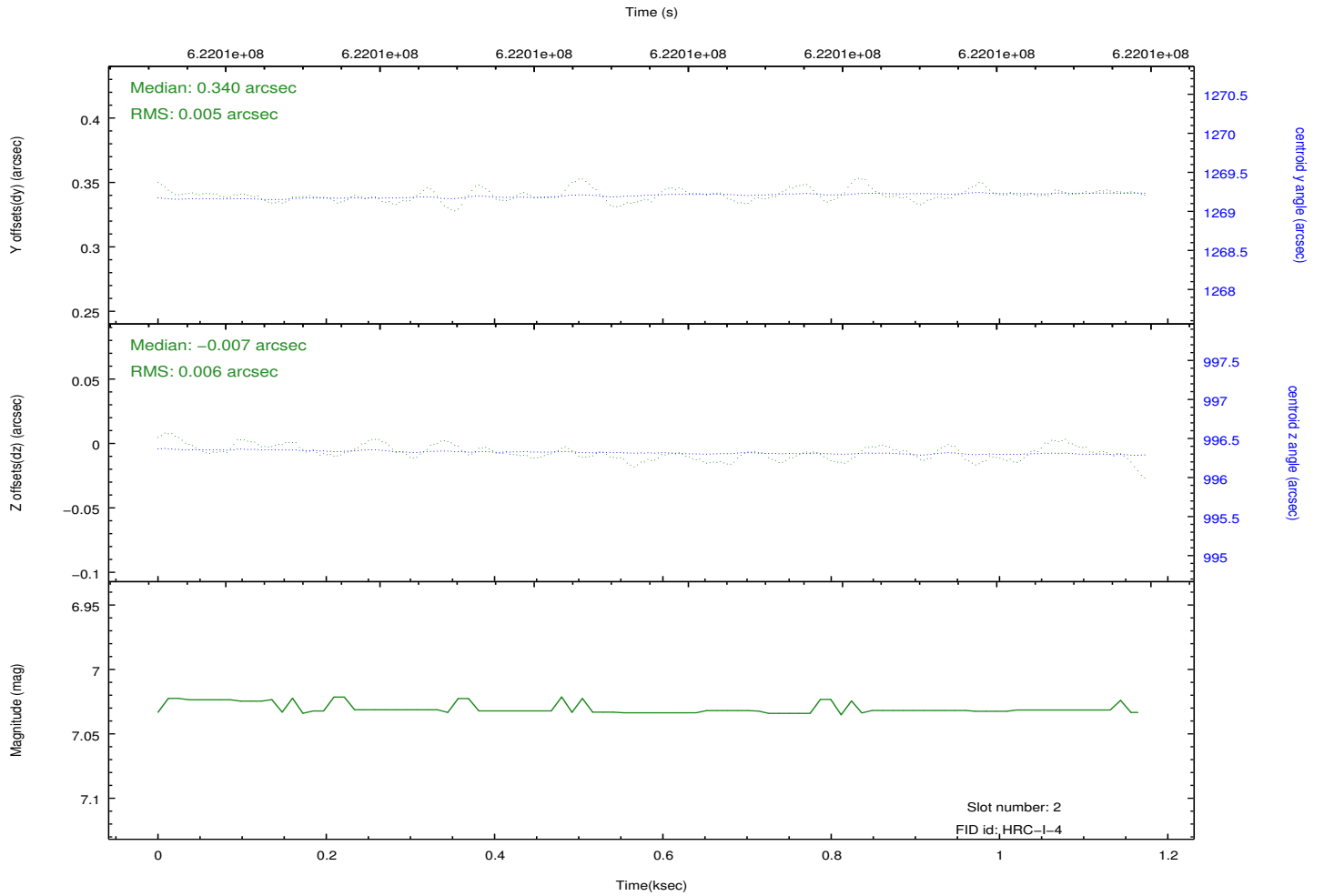
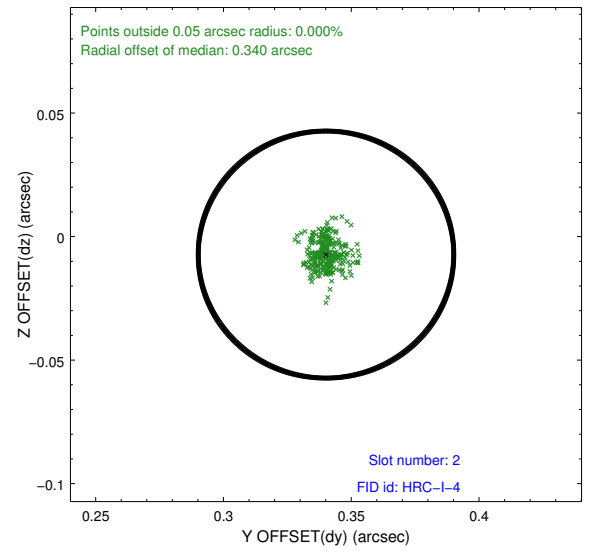
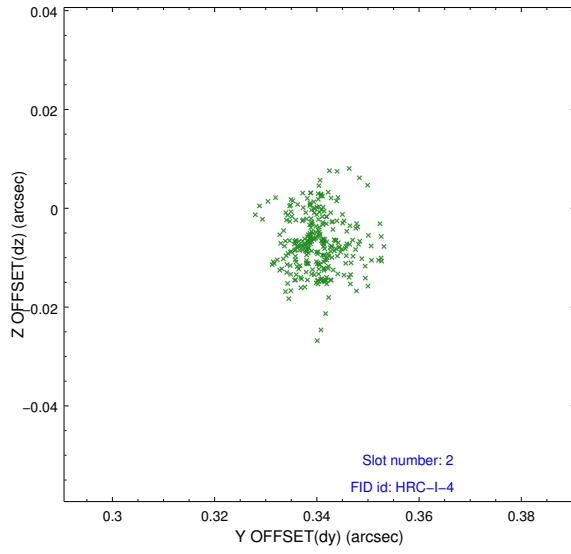
2.5.1 Slot 0



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	1.1736250687838

A.2 Comments