

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21777 - L2 Version 1
Chandra X-Ray Center

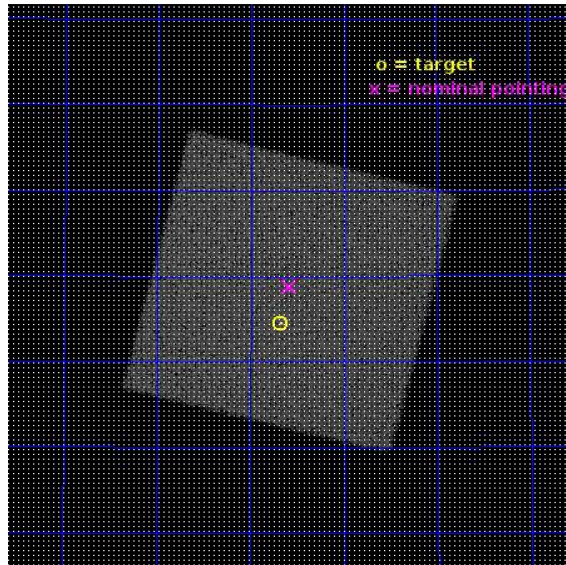
L2 Processing Date : Apr 9 2019

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1 Front

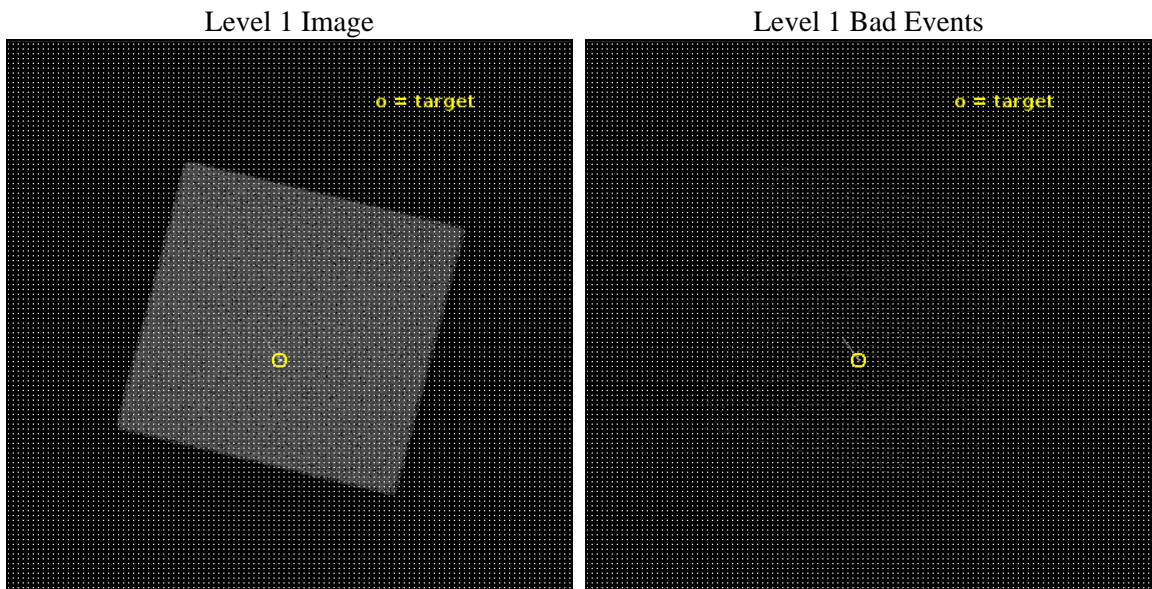
seq_num	291463	Sequence number
obs_id	21777	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.14609244605	Nominal RA [deg]
dec_nom	45.812924679211	Nominal Dec [deg]
roll_nom	59.121600315771	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1192.3313211203	[s]
livetime	1174.3204402587	Ontime multiplied by DTCOR
l2events	154494	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	1192.3313211203	[s]
caldbver	4.8.2	 	l1events	255240	Number of level 1 events
date	2019-04-09T03:55:50	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

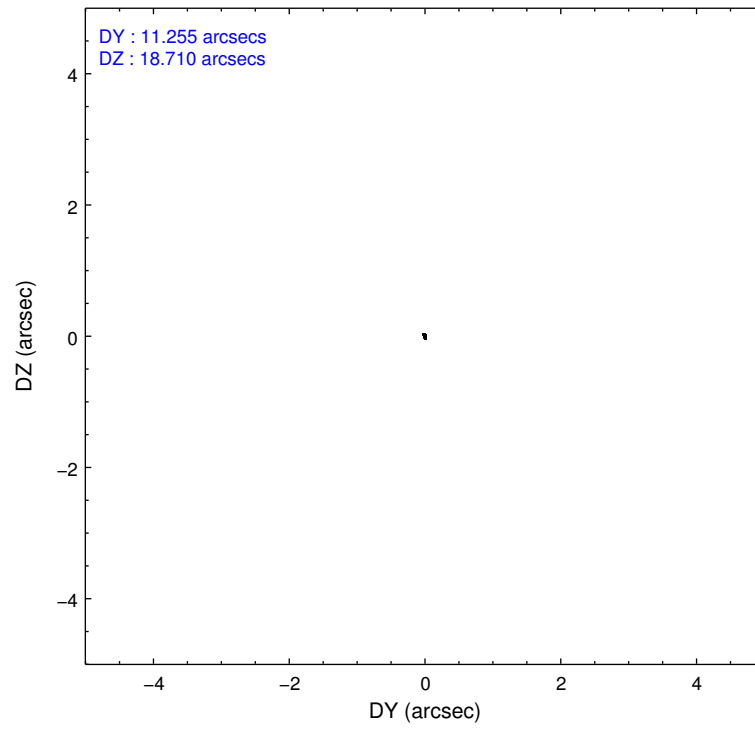
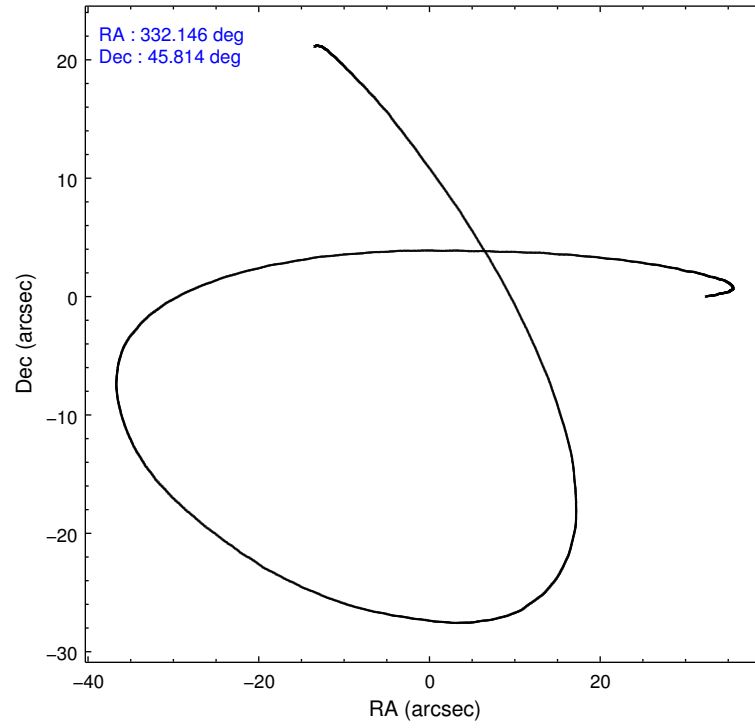
	segment 0
level 1 events	255240
rejected events	53650
rejected %	21%

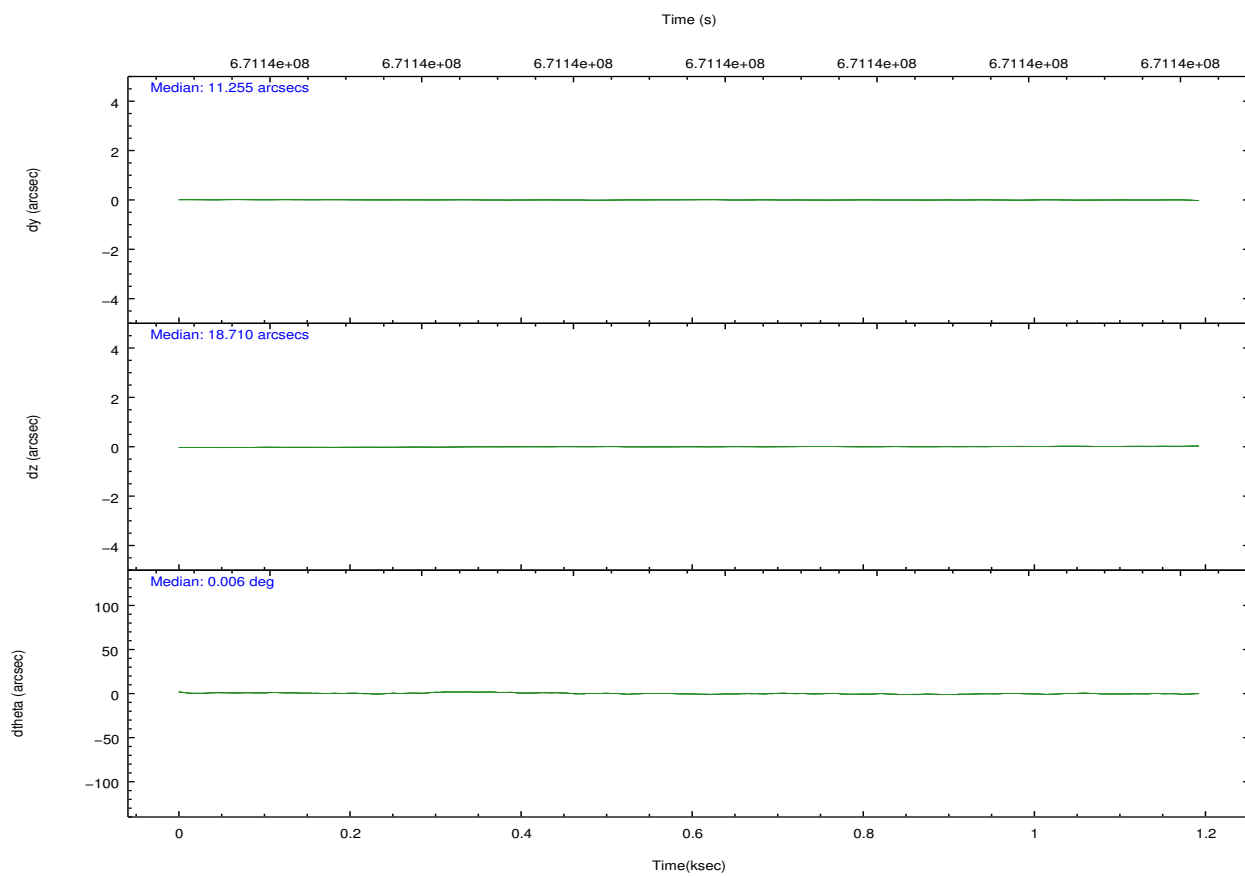
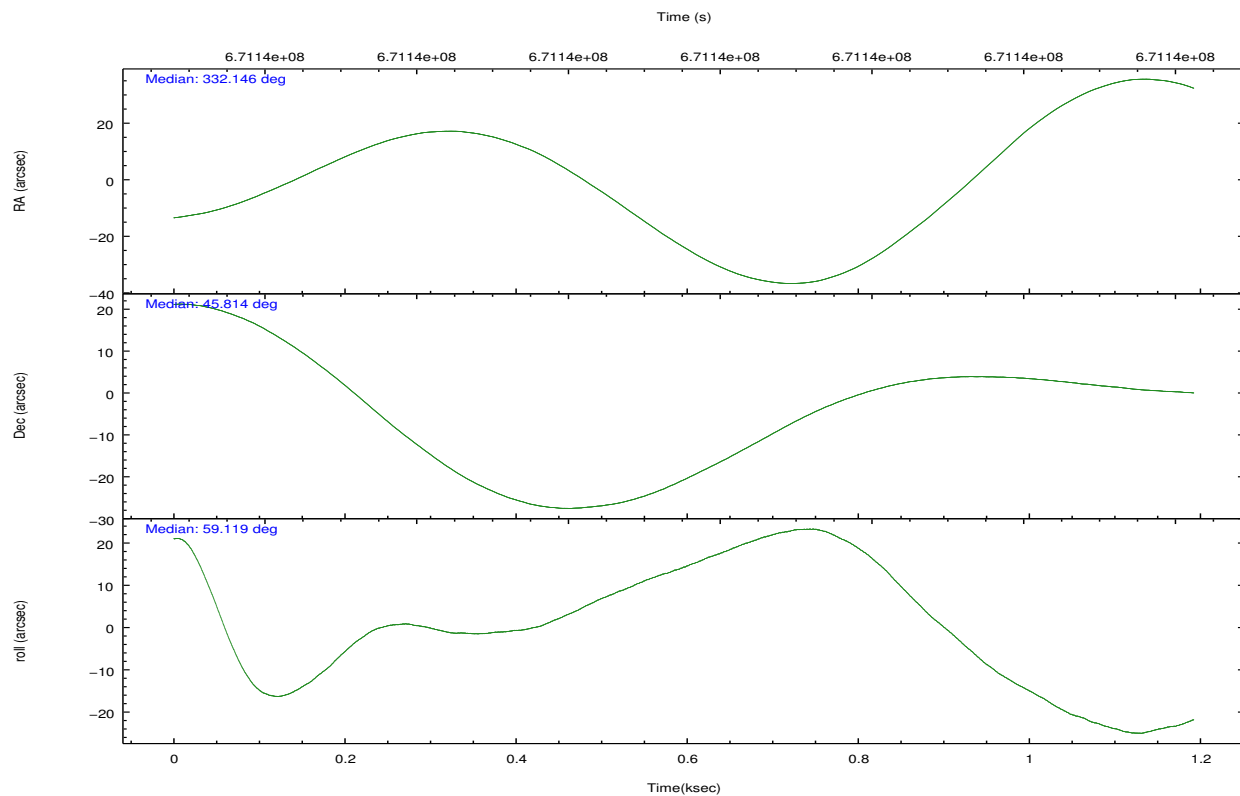
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.145688	332.1460924460467
[deg] Pointing Dec	45.785323	45.81292467921142
[deg] Pointing Roll	59.217407	59.12160031577135
[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)	671137554.184000	671137177.45459
Observation start date	2019-04-08T19:04:45	2019-04-08T18:59:37
[s] Observation end time (MET)	671138554.184000	671138687.7921799
Observation end date	2019-04-08T19:21:25	2019-04-08T19:24:47

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



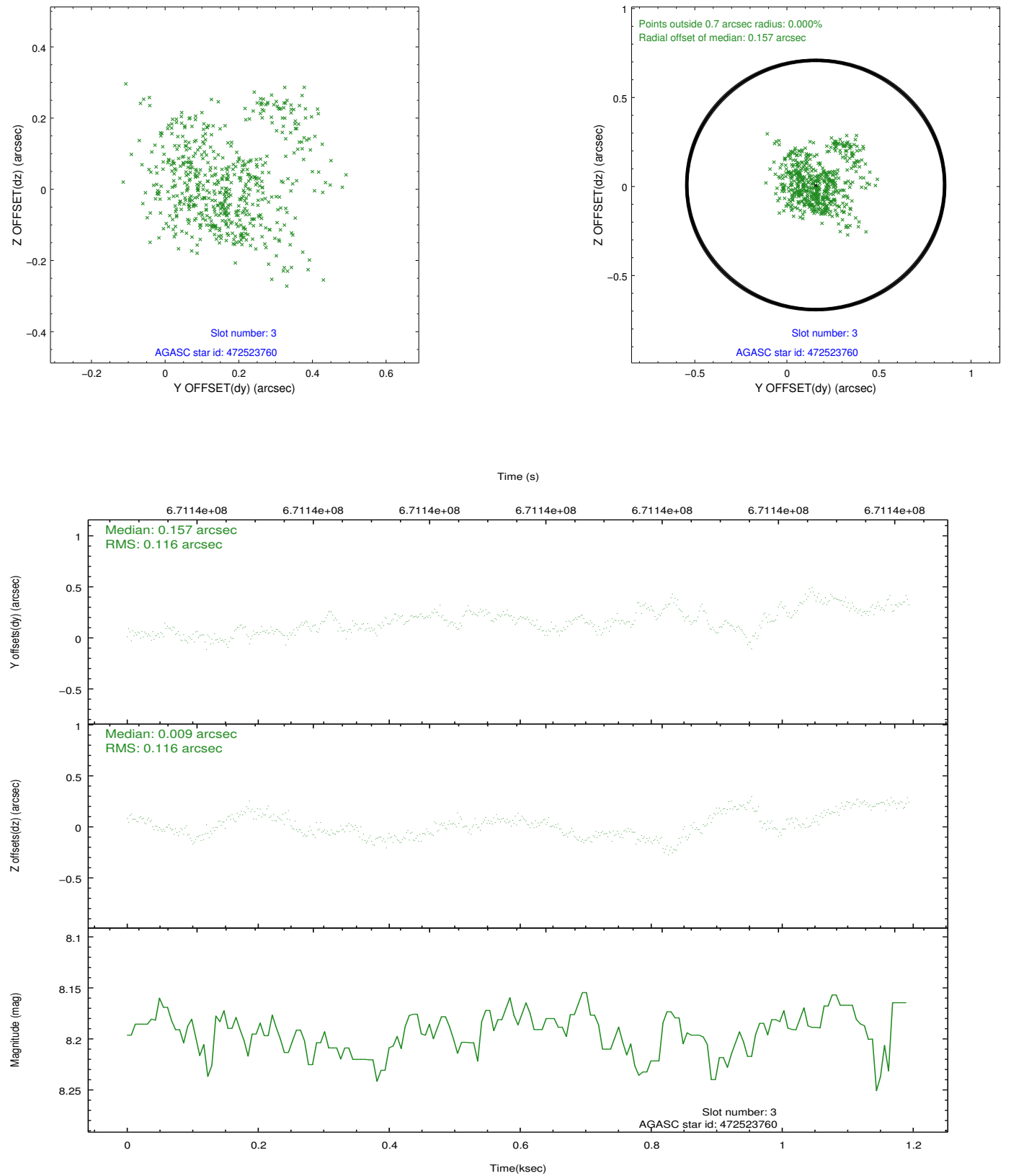


Slot Statistics

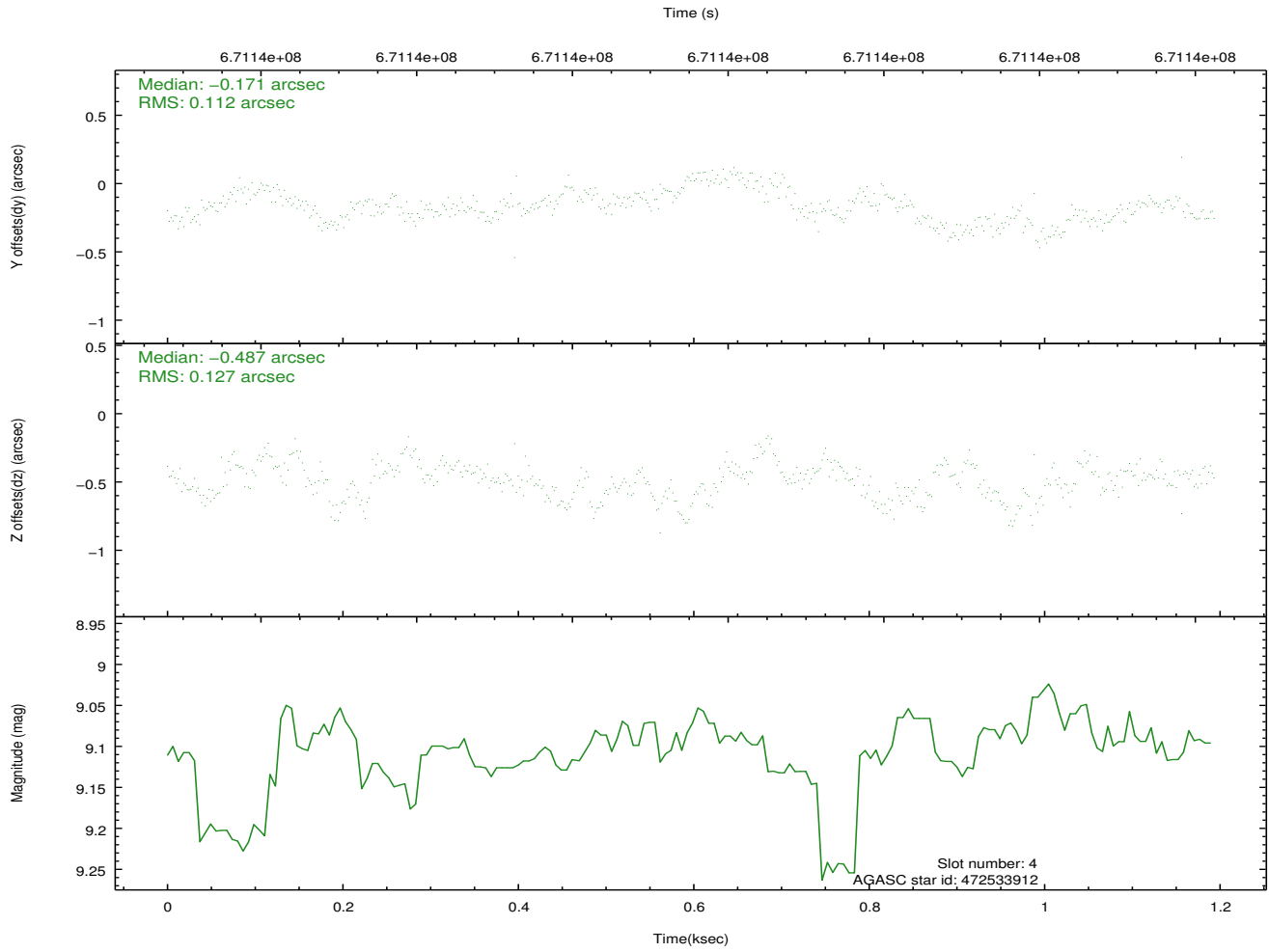
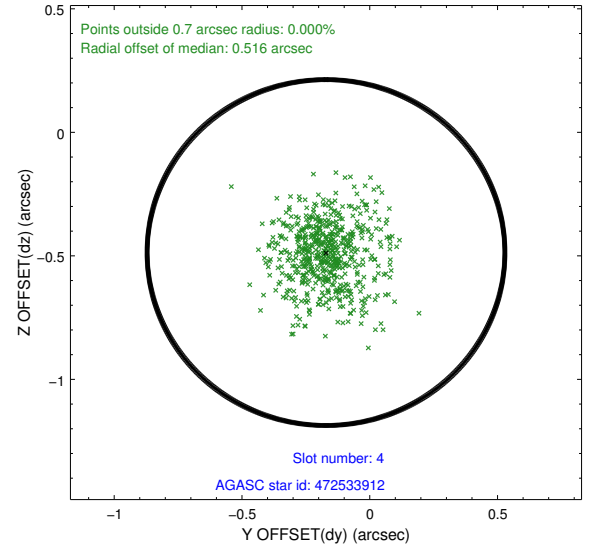
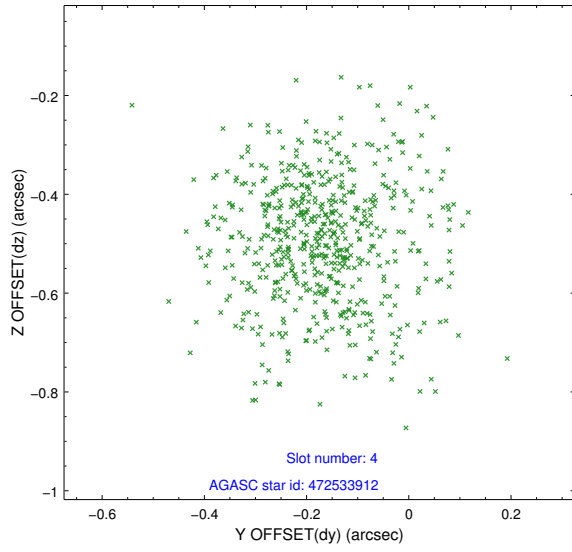
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	291	1.000	-0.239	-0.055	0.009	0.016	0.000000	0.000000	-767.13	-1306
1	FID		HRC-I-2	7.04	291	1.000	0.388	-0.104	0.007	0.013	0.000000	0.000000	843.49	-1313
2	FID		HRC-I-3	7.09	291	1.000	-0.030	0.070	0.007	0.012	0.000000	0.000000	-1192.61	993
3	GUIDE	used	472523760	8.19	583	1.000	0.157	0.009	0.173	0.289	331.645363	45.403260	-1827.14	385
4	GUIDE	used	472533912	9.10	582	1.000	-0.171	-0.487	0.183	0.293	331.791136	46.368695	1350.20	1833
5	GUIDE	used	472649352	9.67	582	1.000	0.565	0.412	0.319	0.498	332.034169	45.325407	-1565.45	-600
6	GUIDE	used	472665256	8.98	583	1.000	0.015	0.143	0.202	0.336	332.808125	46.195041	2113.64	-659
7	GUIDE	used	472661712	9.91	579	1.000	-0.604	-0.115	0.345	0.648	331.914954	46.059715	555.85	1001

2.4 Star Slots

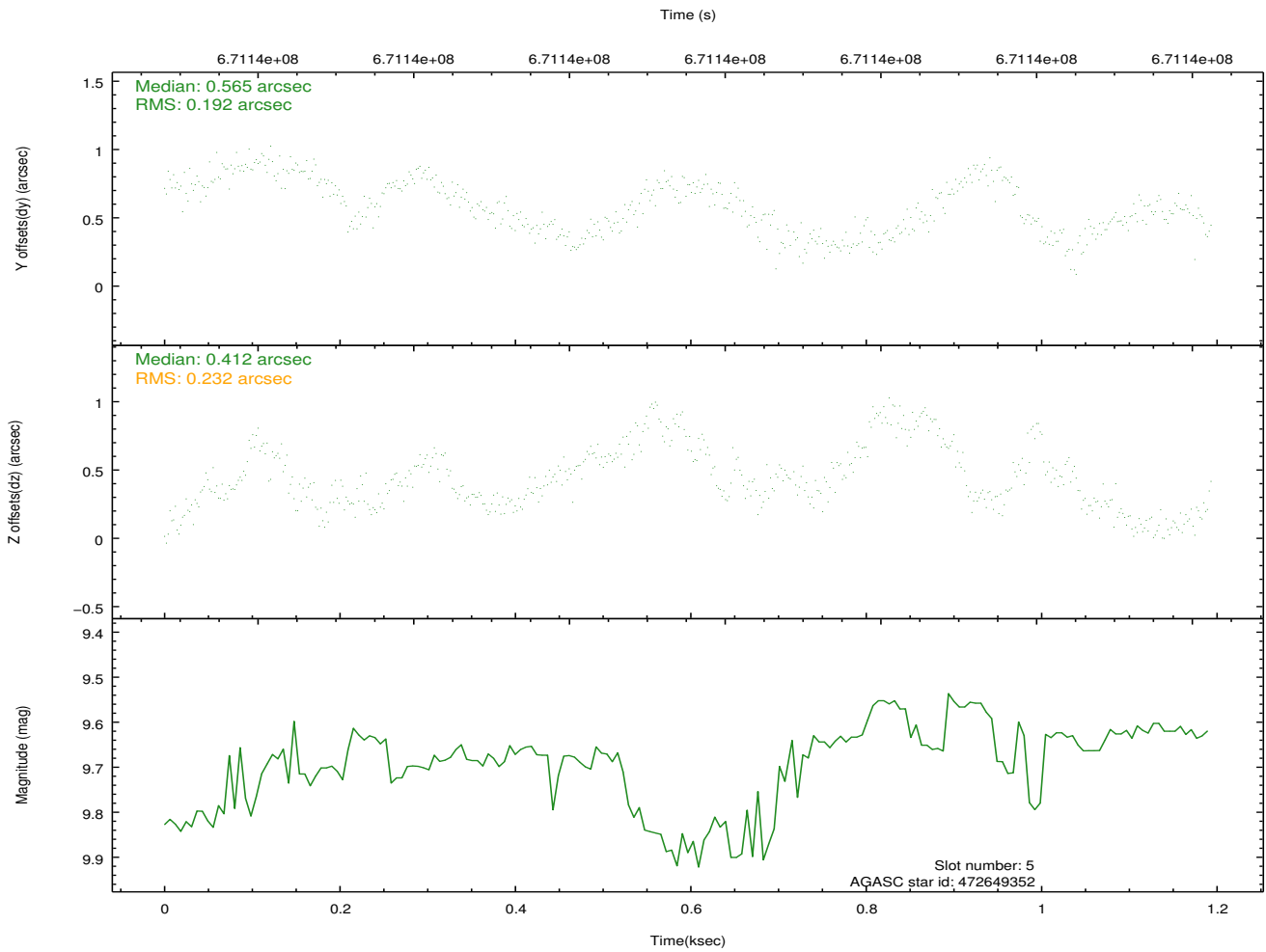
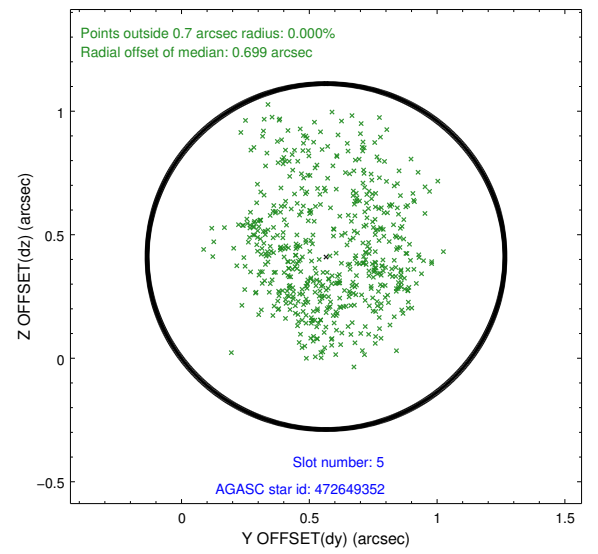
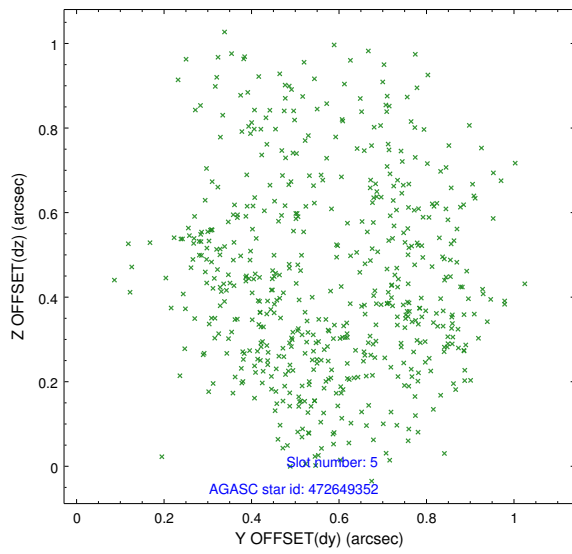
2.4.1 Slot 3



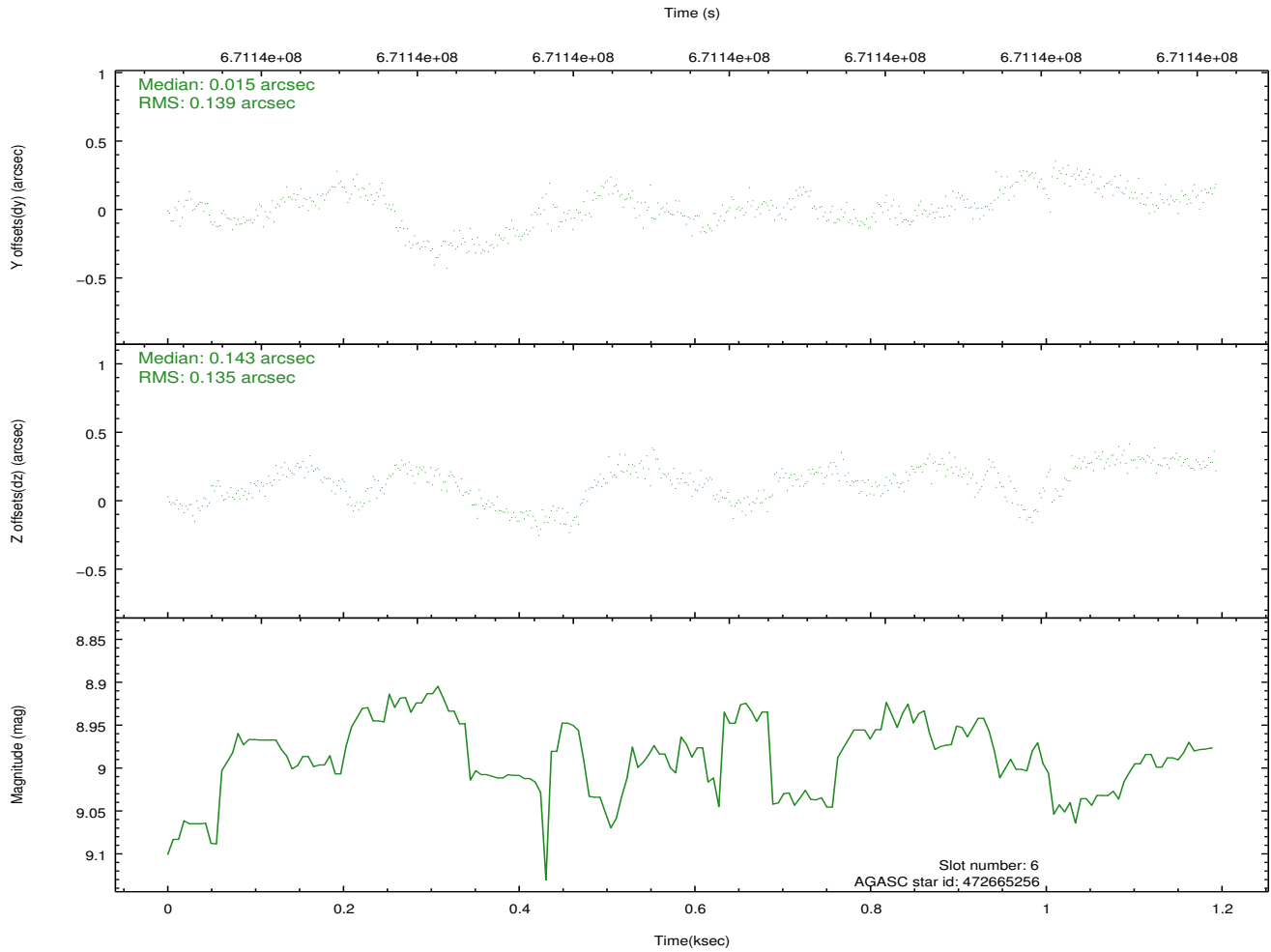
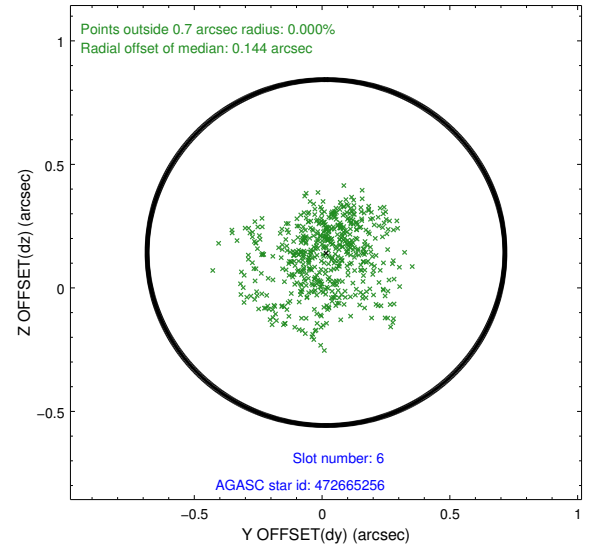
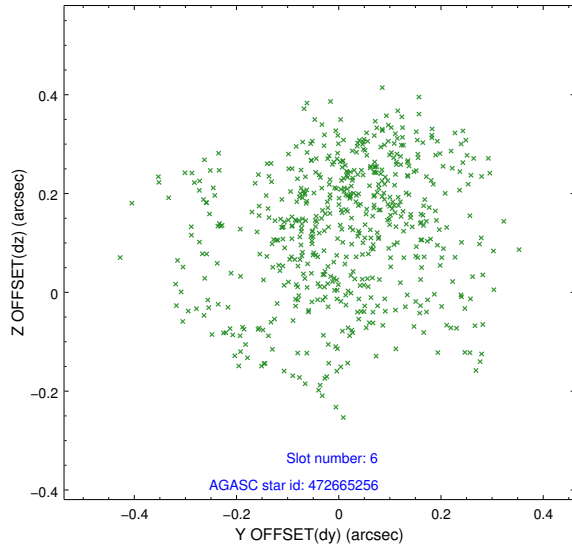
2.4.2 Slot 4



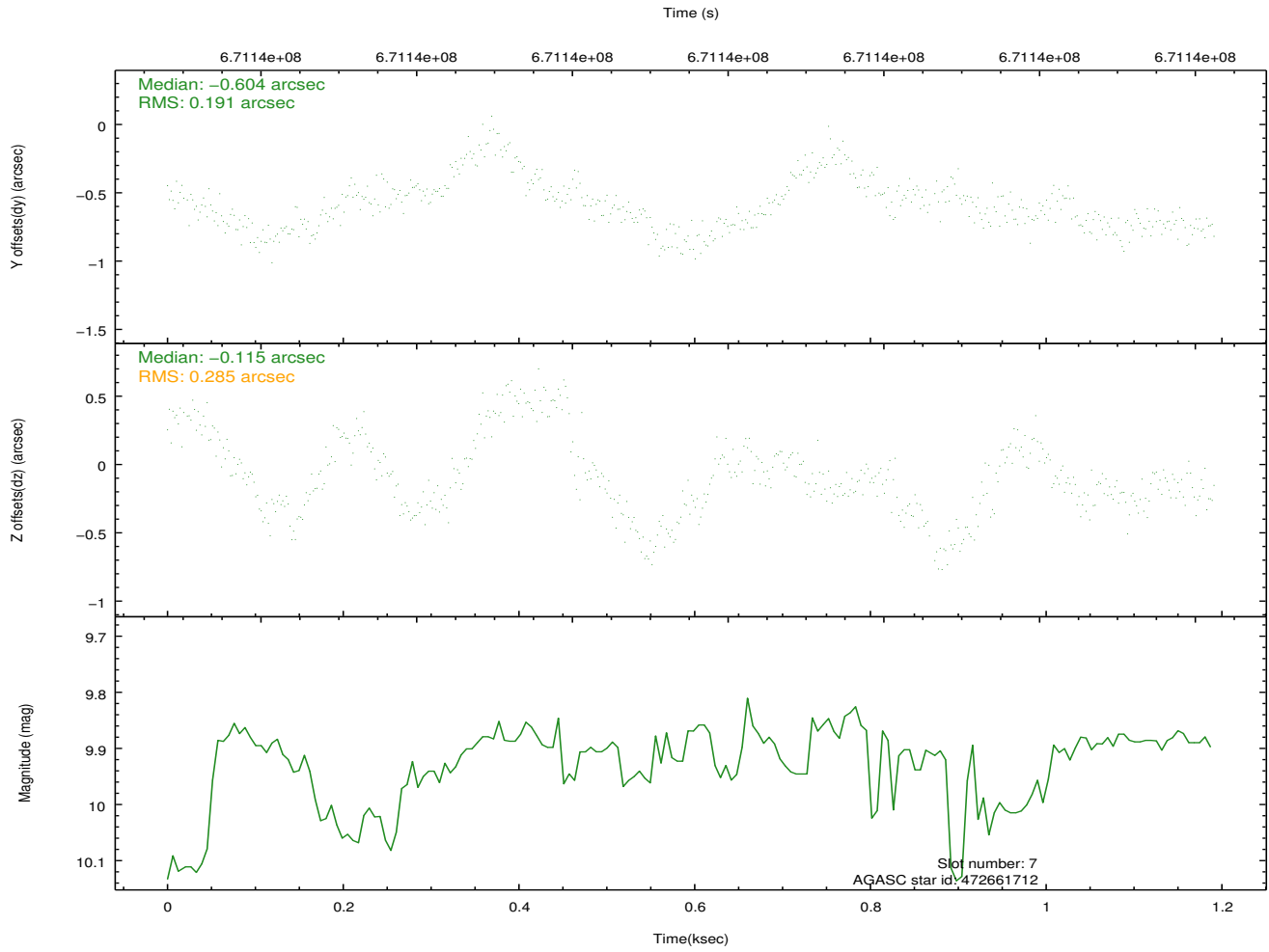
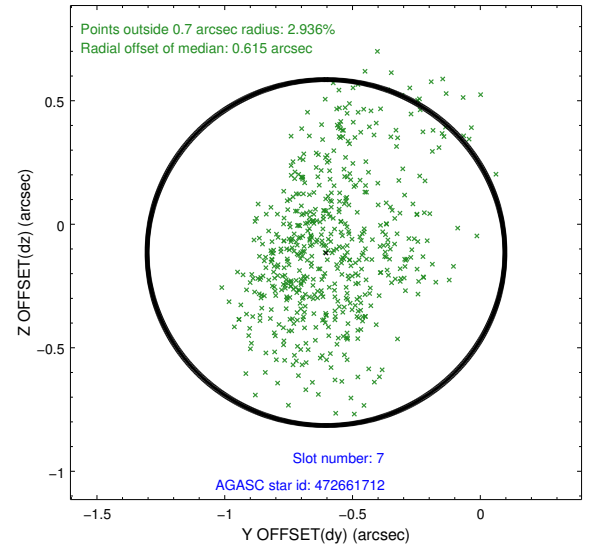
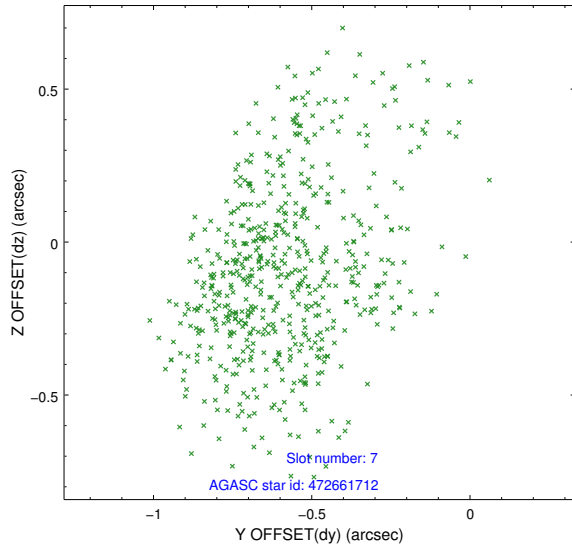
2.4.3 Slot 5



2.4.4 Slot 6

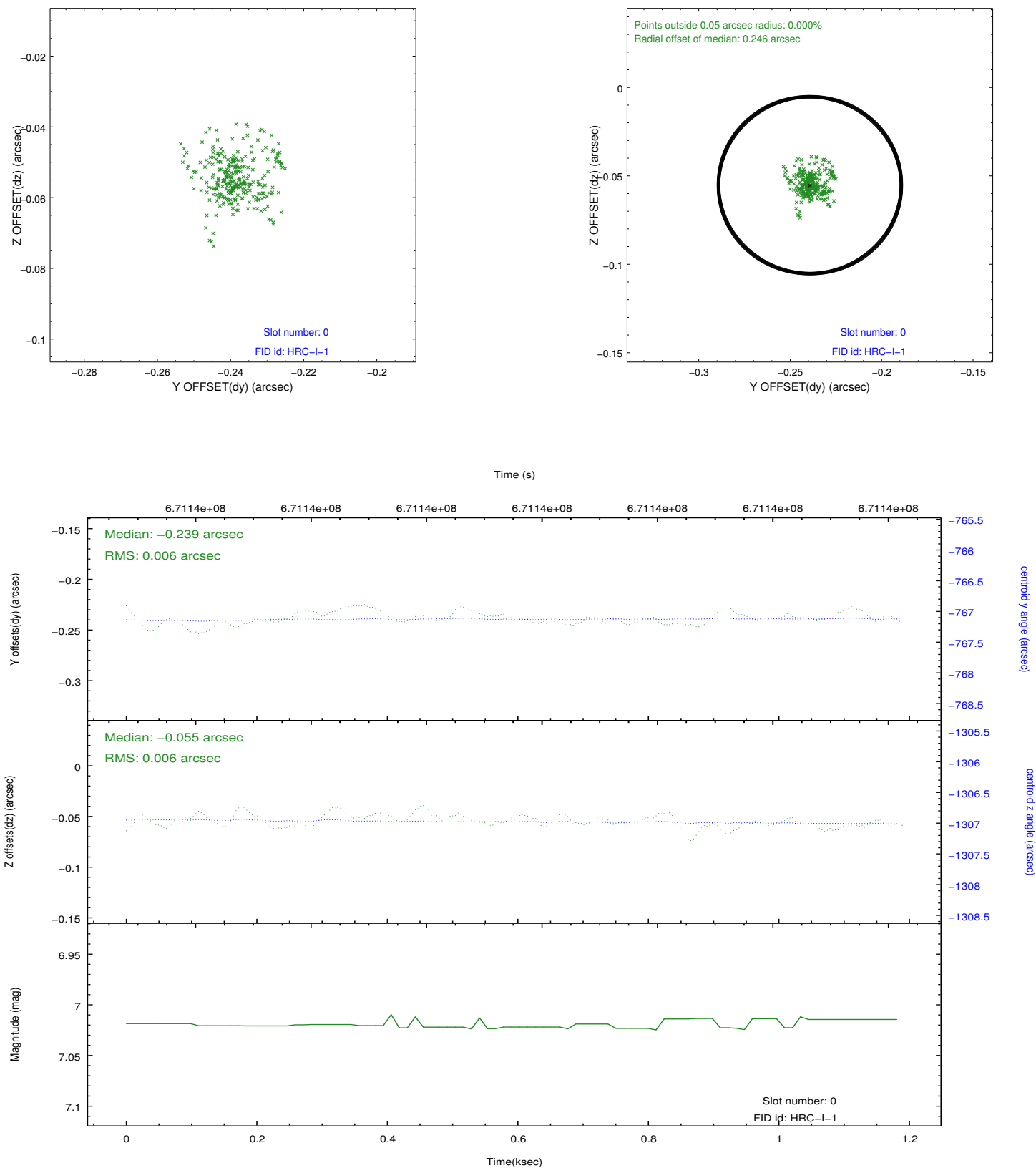


2.4.5 Slot 7

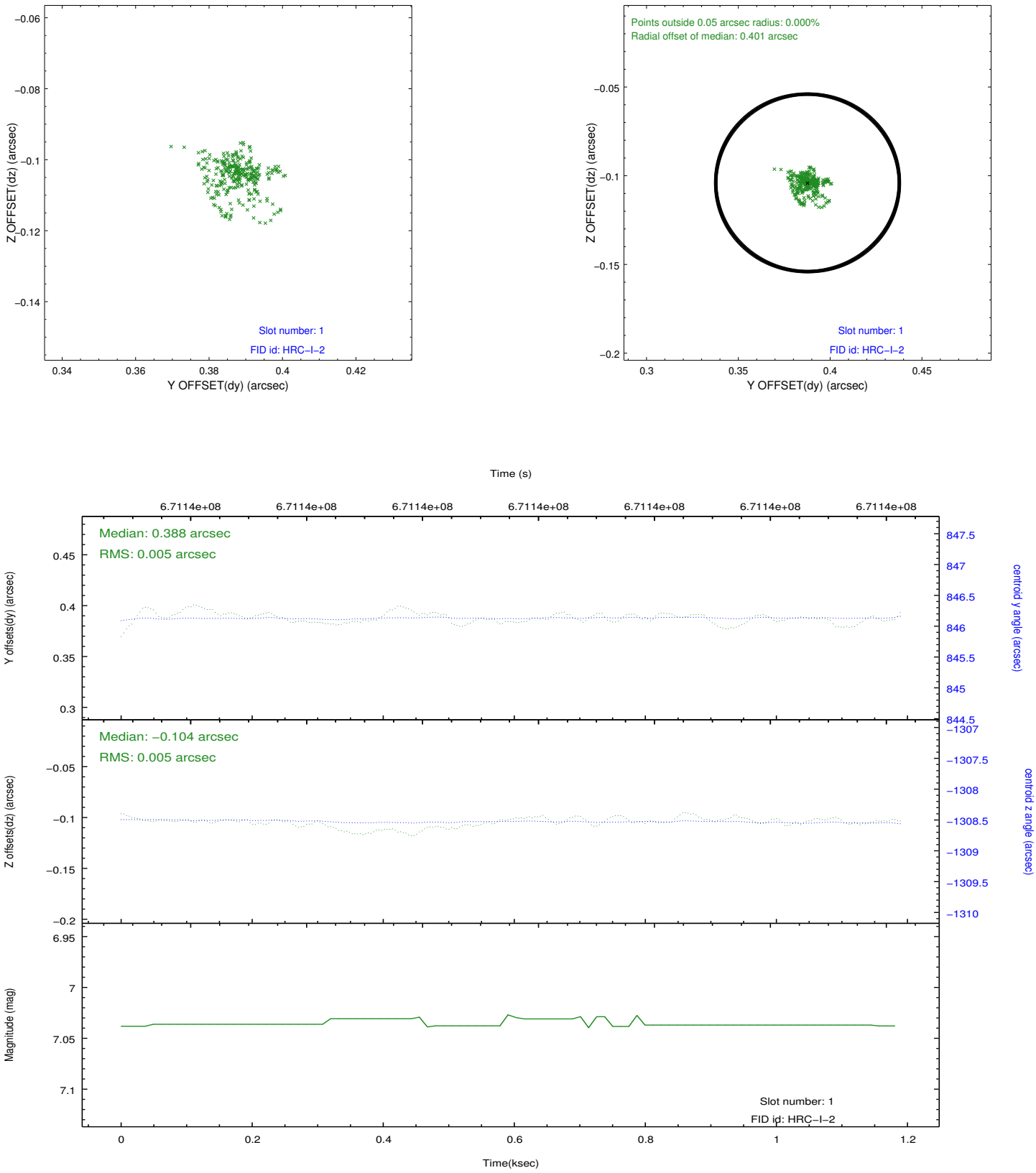


2.5 FID Slots

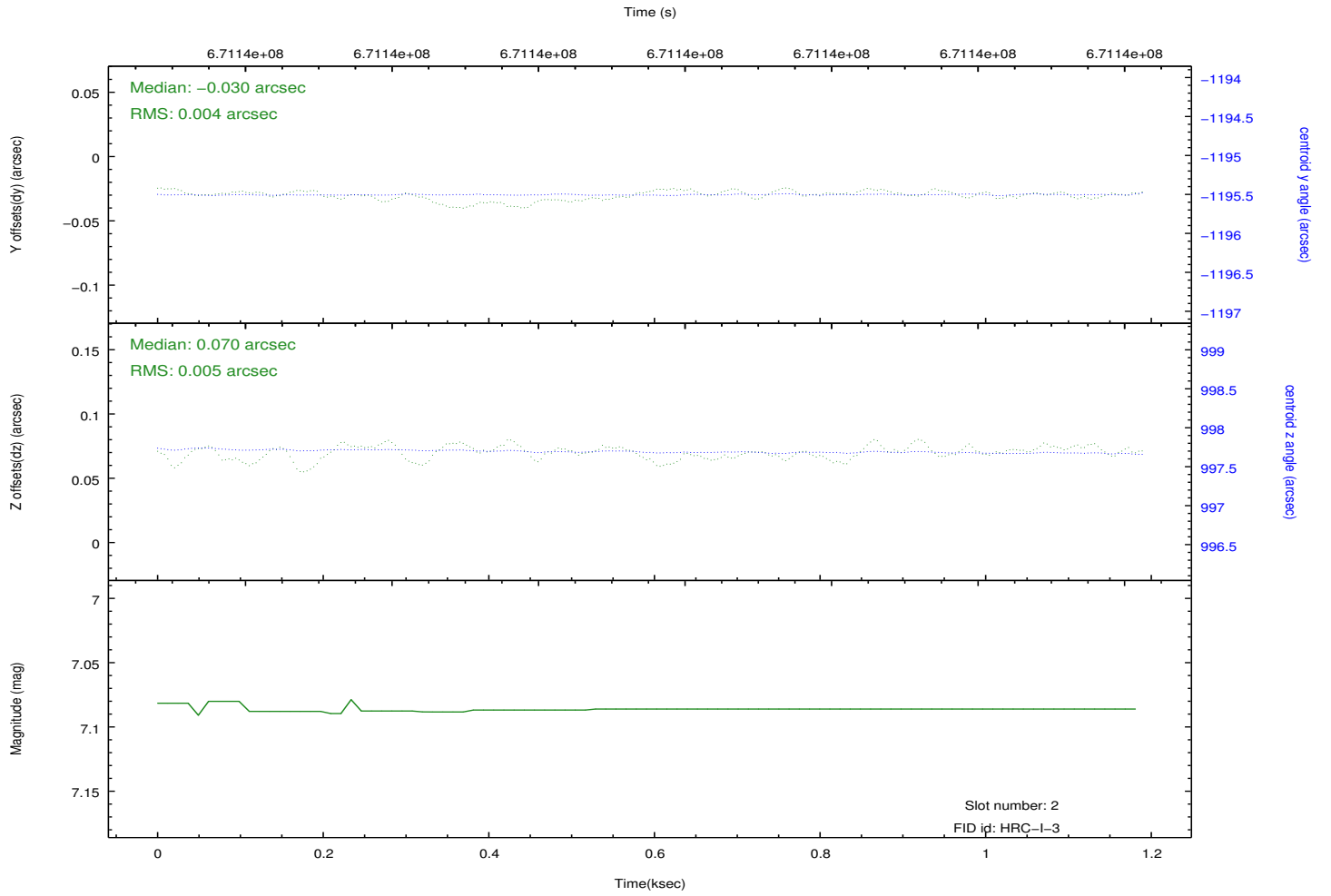
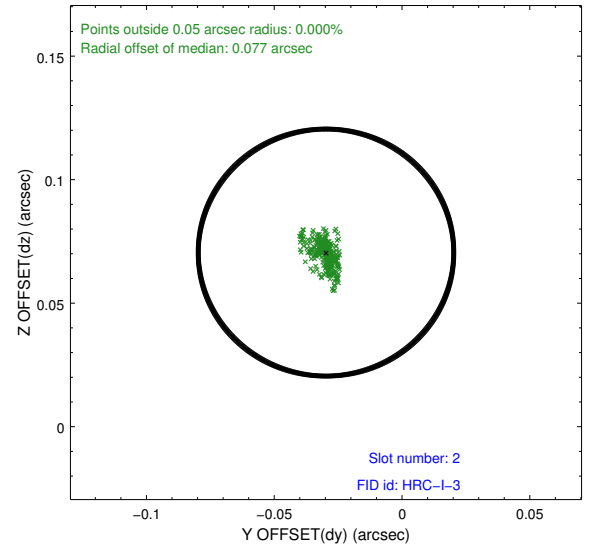
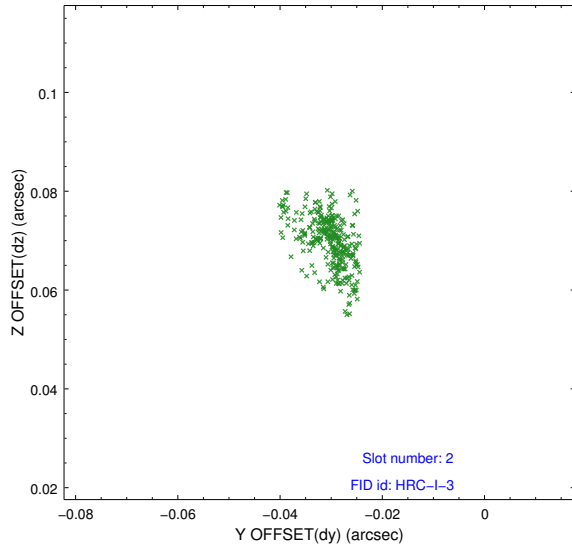
2.5.1 Slot 0



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)	2019.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1923313211203

A.2 Comments