

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21781 - L2 Version 1
Chandra X-Ray Center

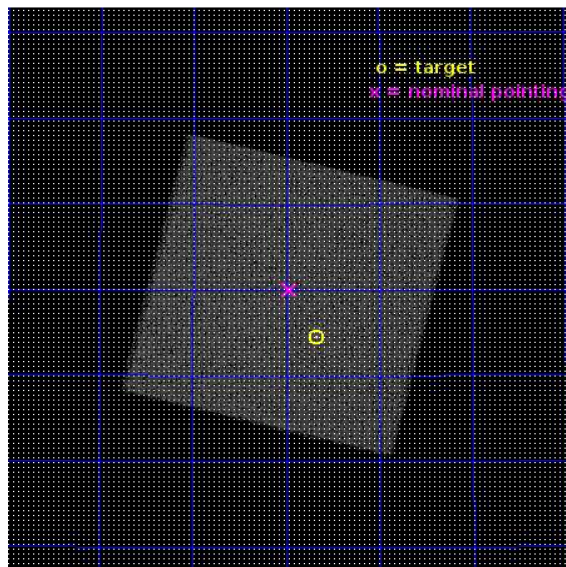
L2 Processing Date : Apr 9 2019

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1 Front

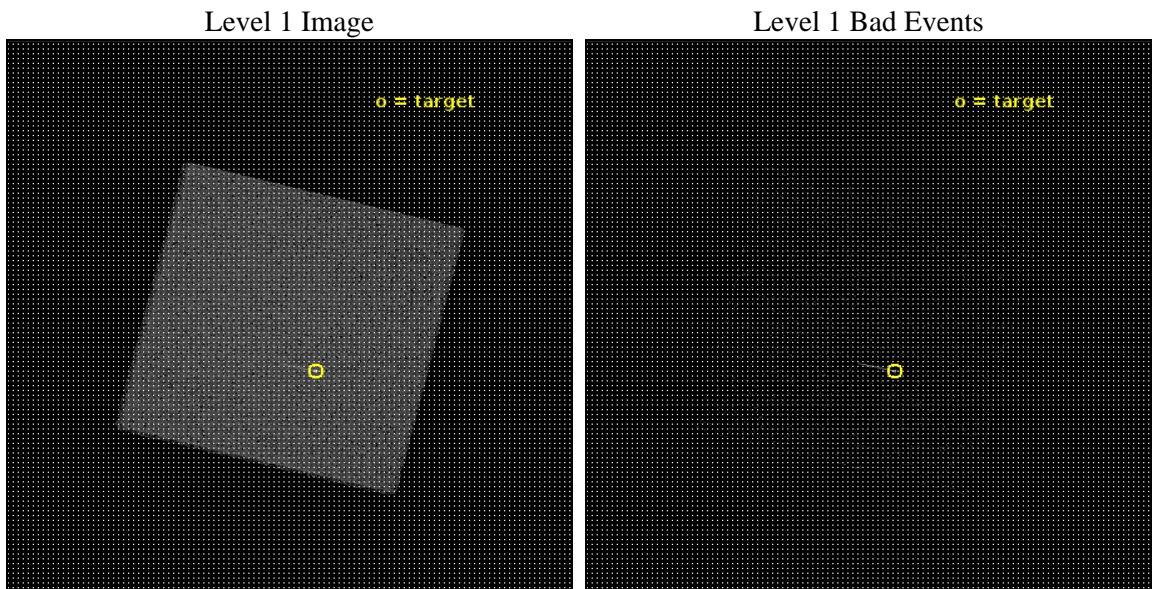
seq_num	291467	Sequence number
obs_id	21781	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.2410945948	Nominal RA [deg]
dec_nom	45.833936515931	Nominal Dec [deg]
roll_nom	59.09556564412	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1194.3813216686	[s]
liveltime	1176.624492647	Ontime multiplied by DTCOR
l2events	153617	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	1194.3813216686	[s]
caldbver	4.8.2	 	l1events	253681	Number of level 1 events
date	2019-04-09T03:57:16	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

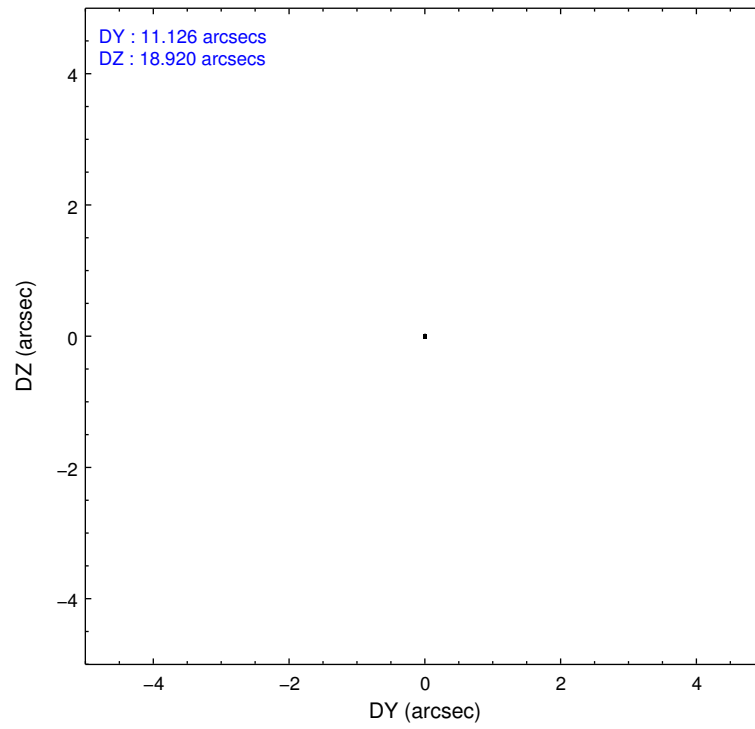
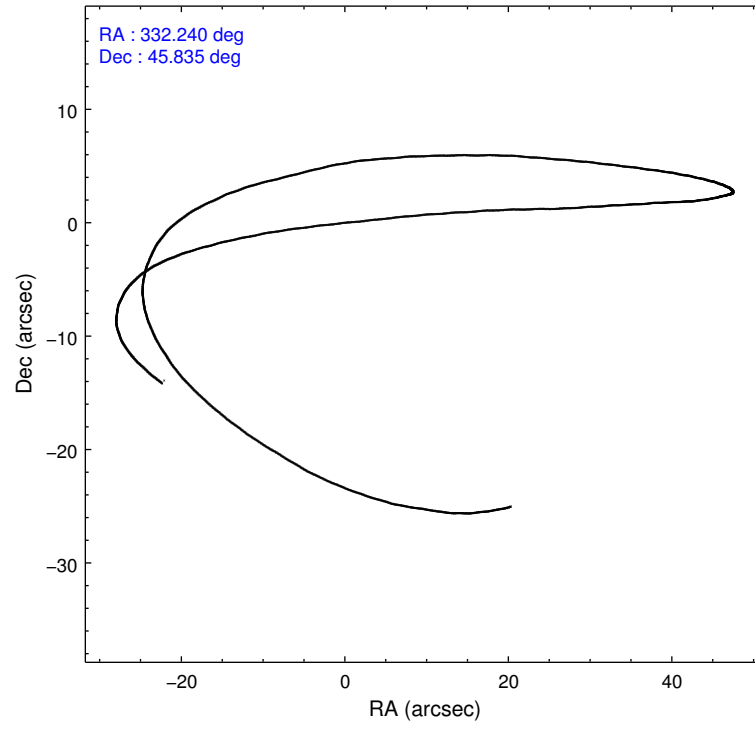
Level 1 Events

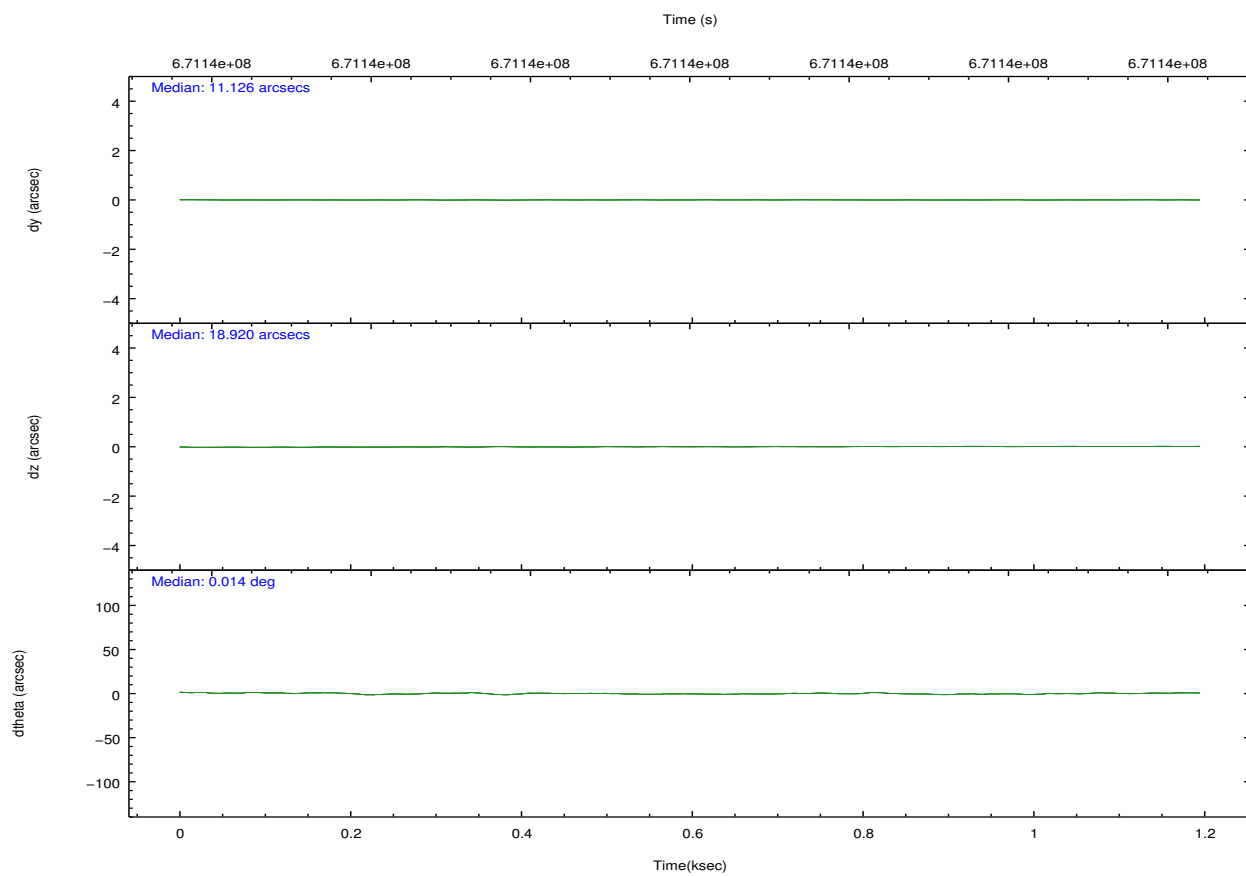
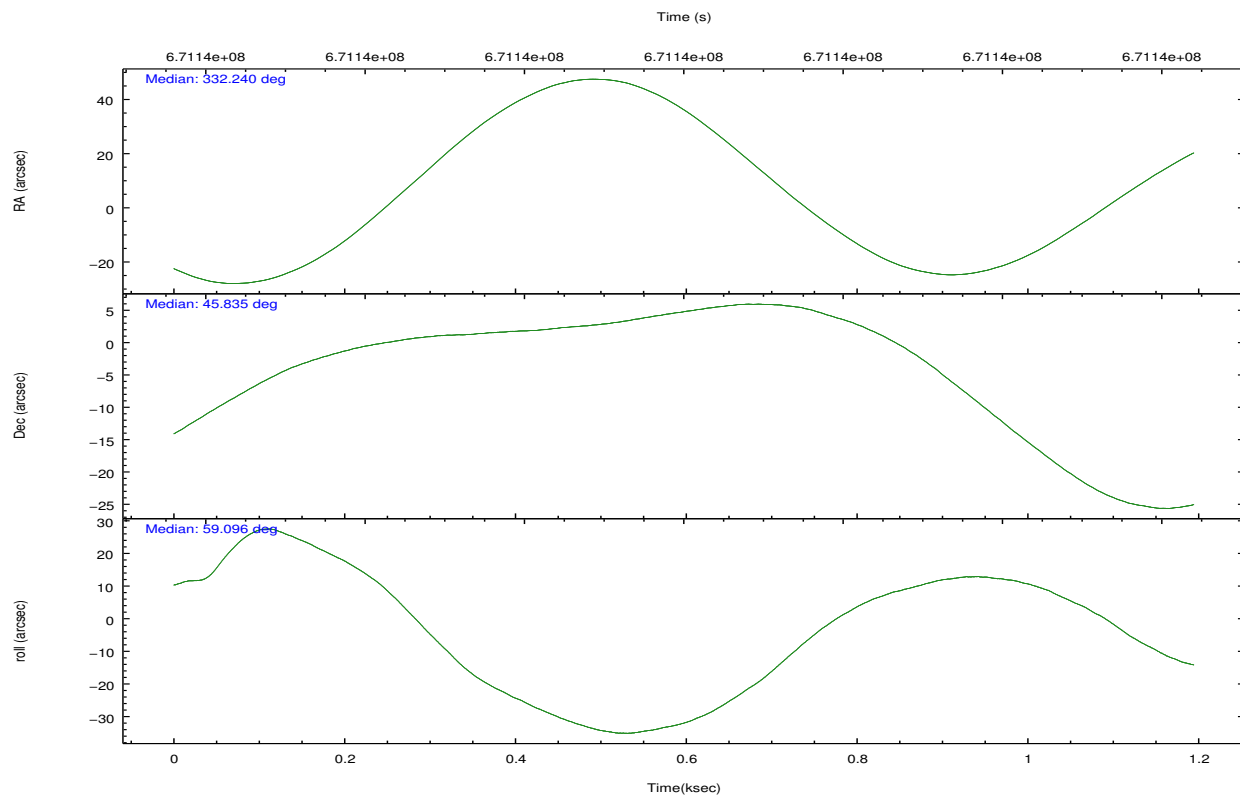
	segment 0
level 1 events	253681
rejected events	53119
rejected %	20%

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	332.242540	332.2410945948014			
[deg] Pointing Dec	45.806657	45.83393651593132			
[deg] Pointing Roll	59.190049	59.09556564411995			
[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)	671143594.184000	671143217.77995			
Observation start date	2019-04-08T20:45:25	2019-04-08T20:40:17			
[s] Observation end time (MET)	671144594.184000	671144727.60504			
Observation end date	2019-04-08T21:02:05	2019-04-08T21:05:27			

2.3 Aspect



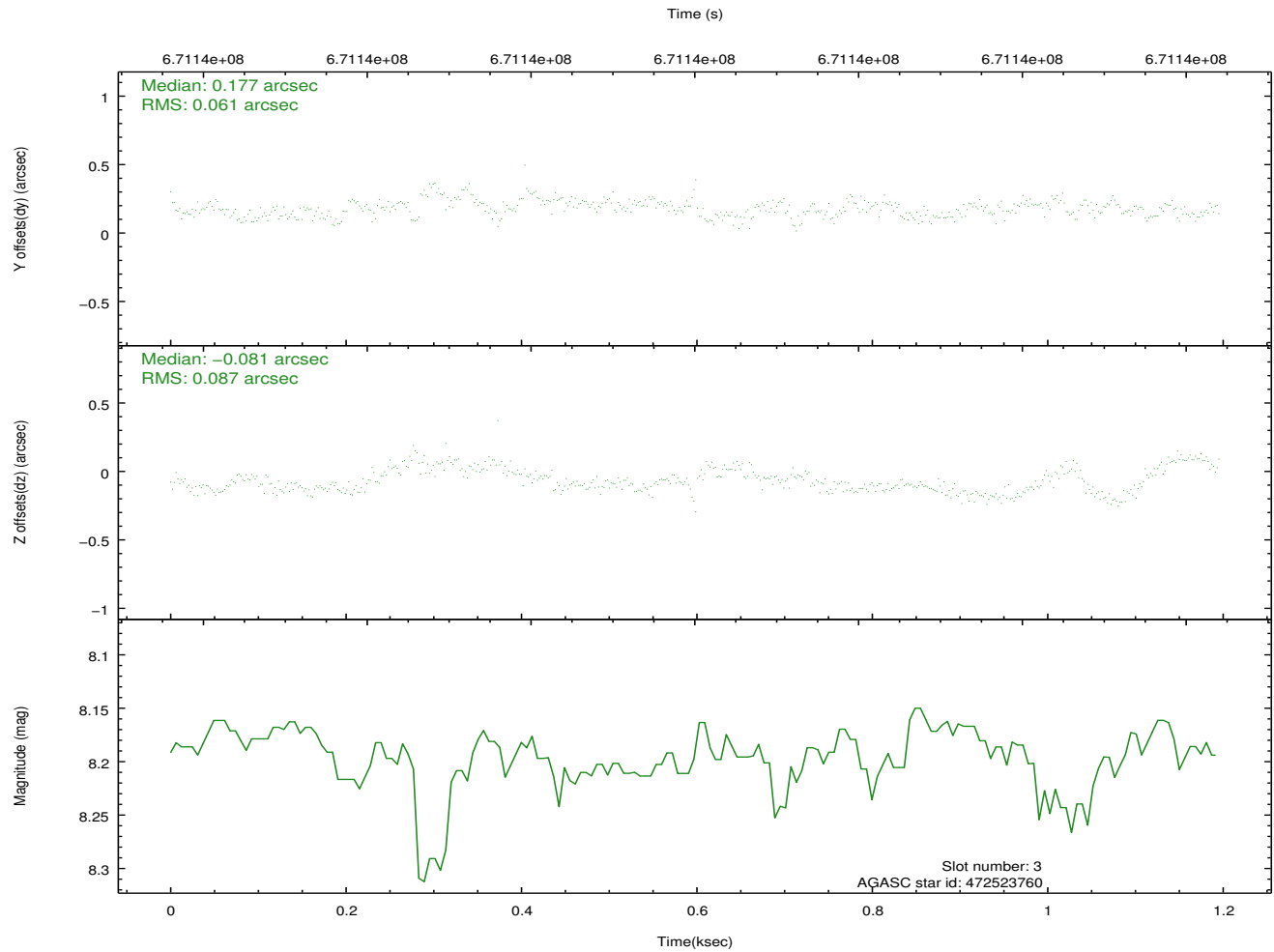
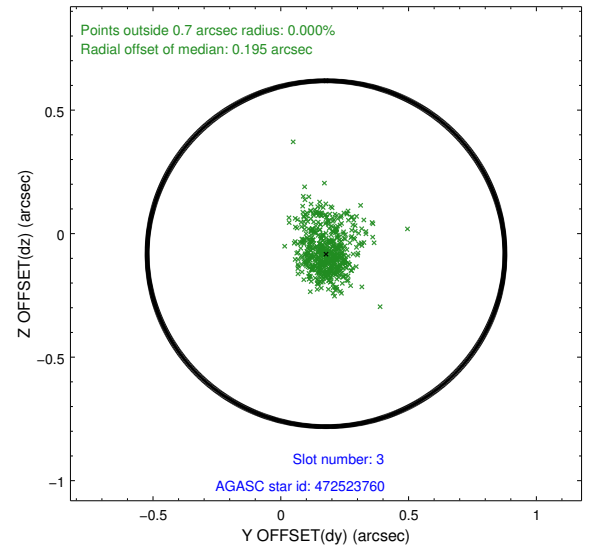
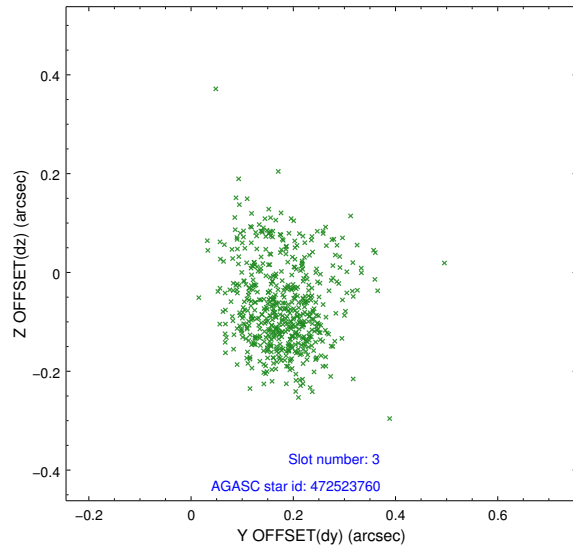


Slot Statistics

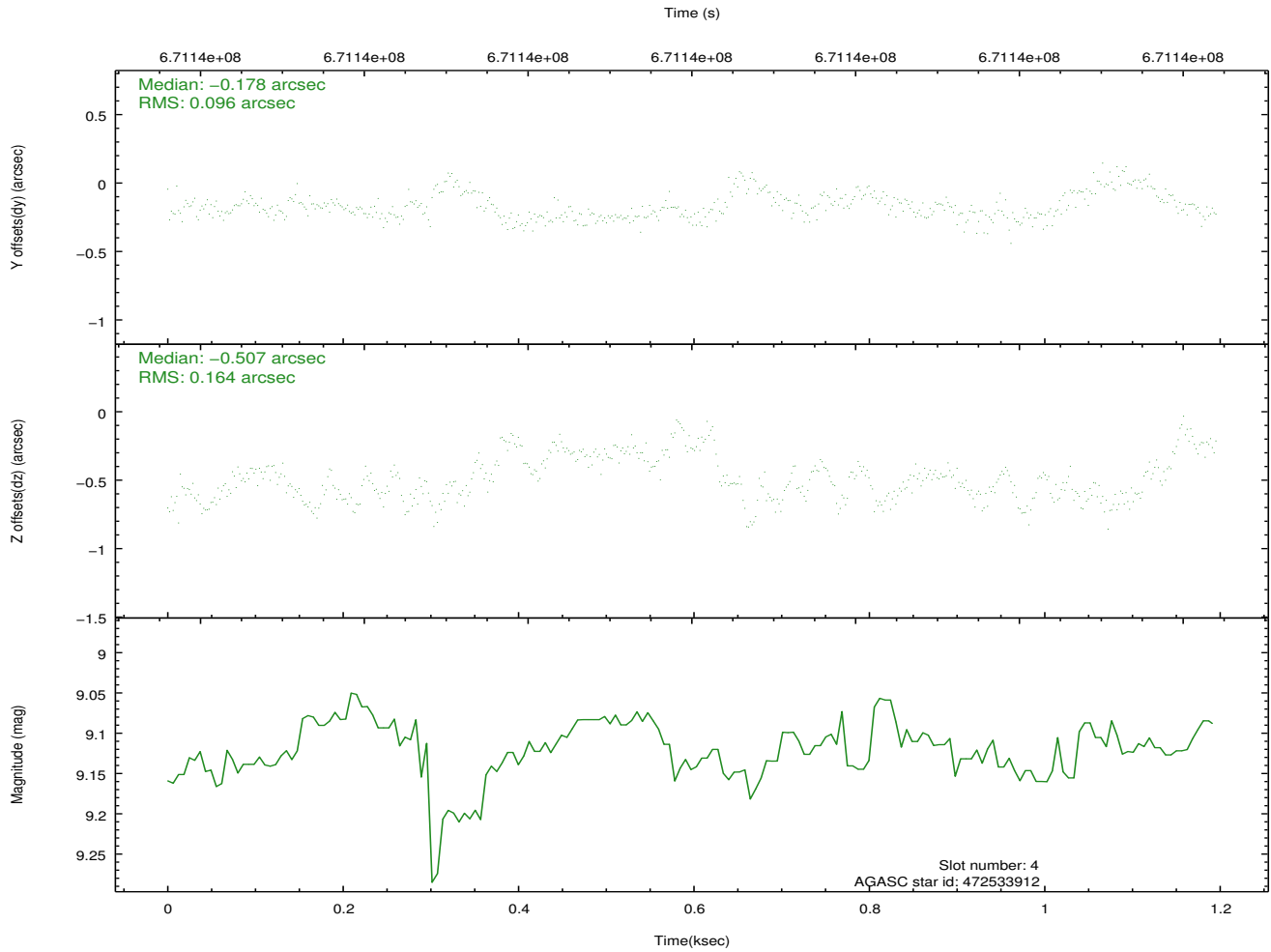
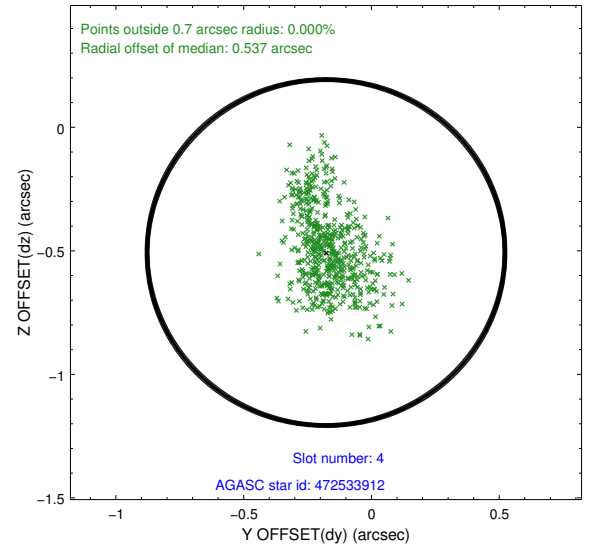
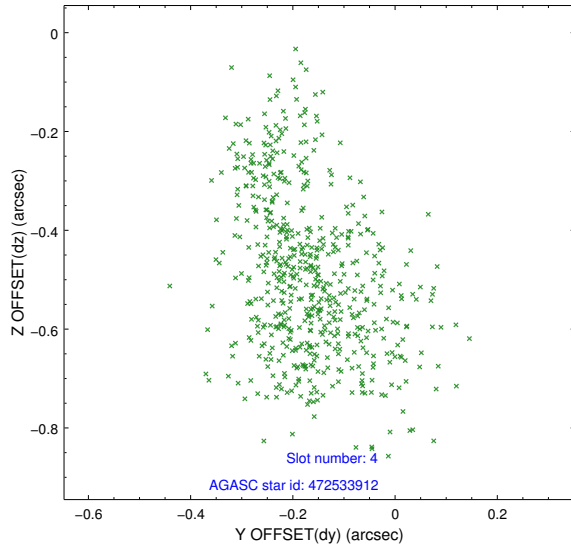
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	292	1.000	-0.145	-0.156	0.007	0.012	0.000000	0.000000	-767.08	-1307
1	FID		HRC-I-3	7.09	292	1.000	-0.243	-0.094	0.007	0.011	0.000000	0.000000	-1198.09	993
2	FID		HRC-I-4	7.02	292	1.000	0.503	0.162	0.006	0.009	0.000000	0.000000	1272.46	998
3	GUIDE	used	472523760	8.19	584	1.000	0.177	-0.081	0.109	0.187	331.645363	45.403260	-2013.78	553
4	GUIDE	used	472533912	9.12	584	1.000	-0.178	-0.507	0.210	0.344	331.791136	46.368695	1164.39	1999
5	GUIDE	used	472665256	8.98	584	1.000	0.015	0.165	0.167	0.300	332.808125	46.195041	1930.86	-490
6	GUIDE	used	472649352	9.67	583	1.000	0.483	0.512	0.258	0.604	332.034169	45.325407	-1751.93	-436
7	GUIDE	used	472661712	9.94	583	1.000	-0.474	-0.095	0.255	0.395	331.914954	46.059715	363.02	1167

2.4 Star Slots

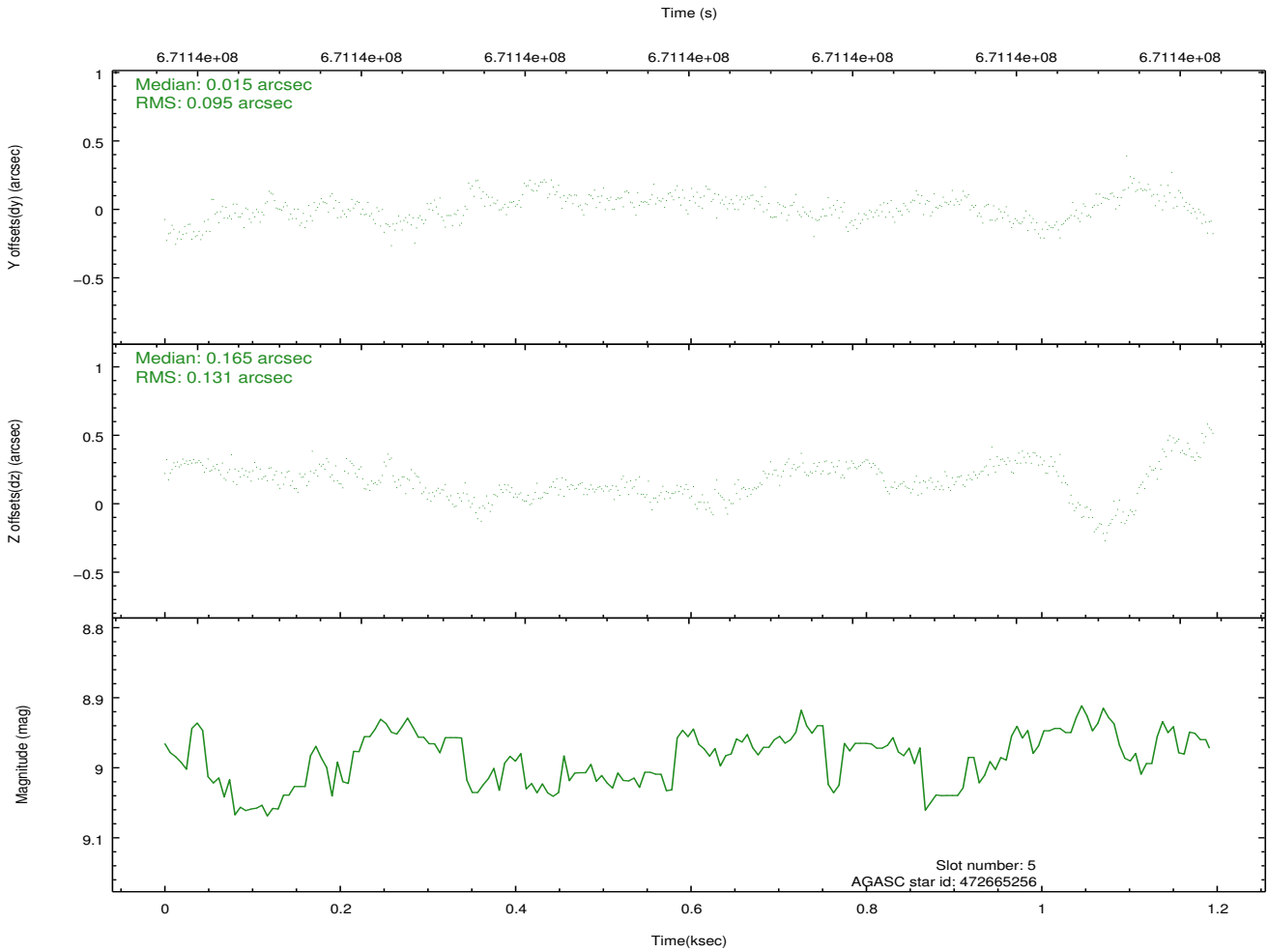
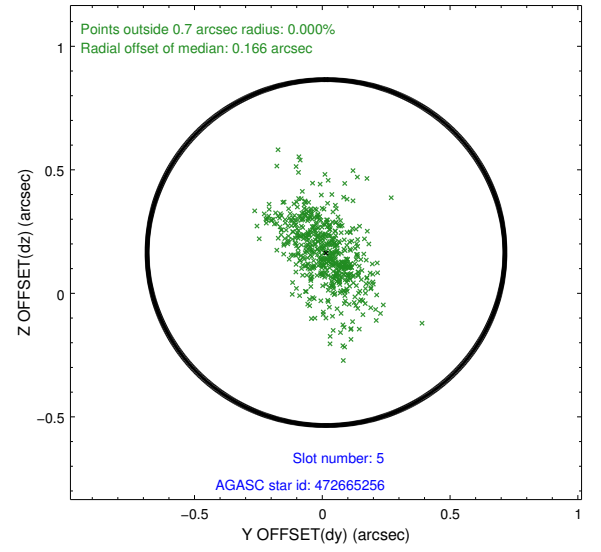
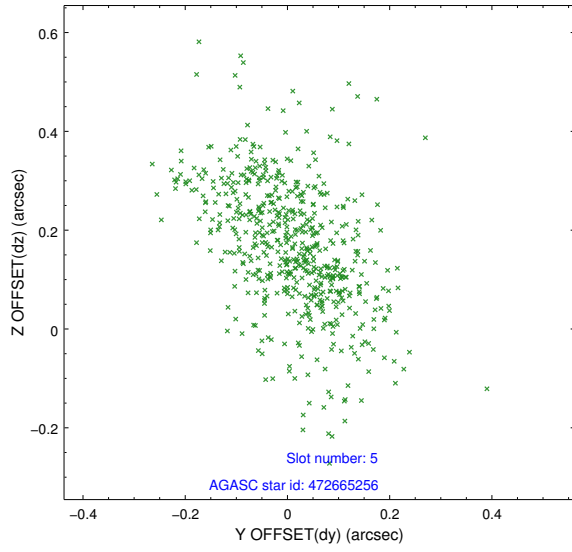
2.4.1 Slot 3



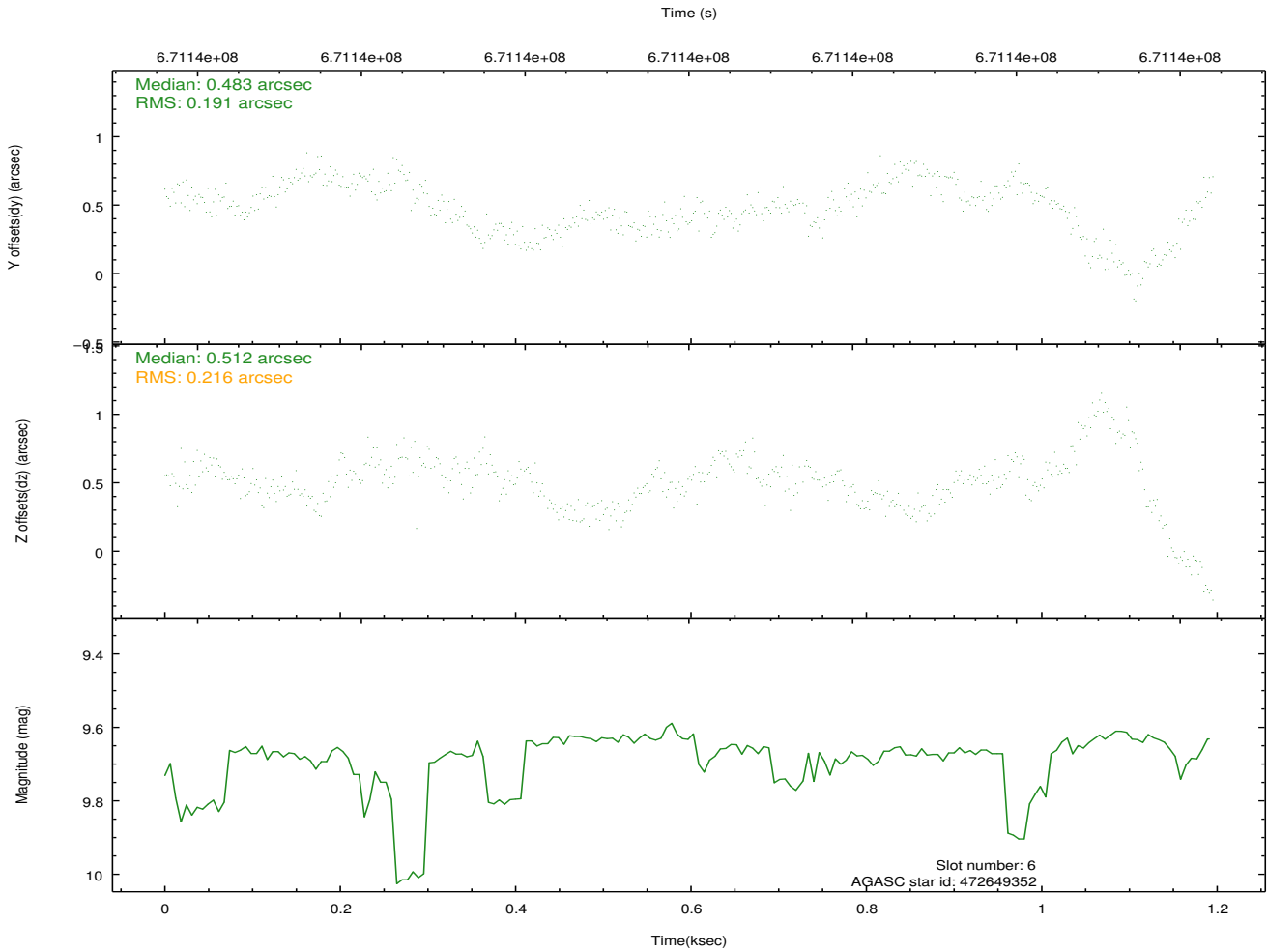
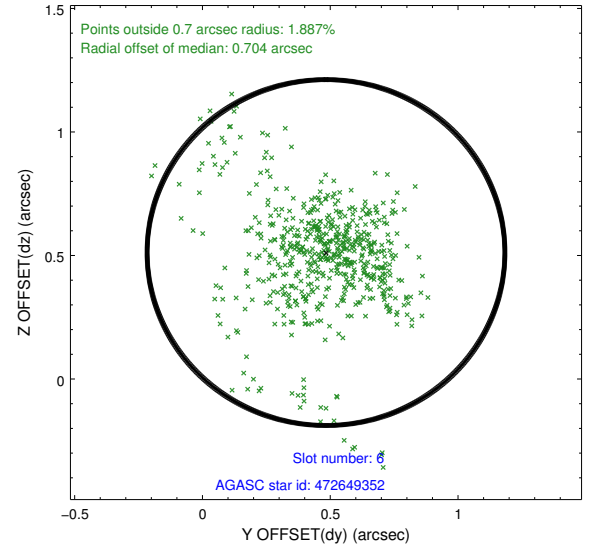
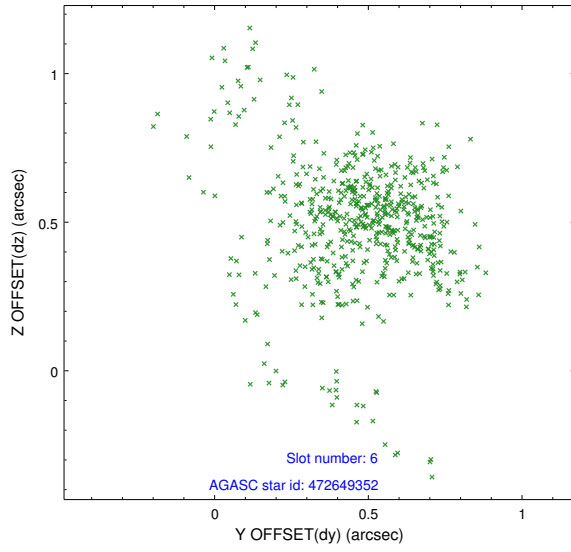
2.4.2 Slot 4



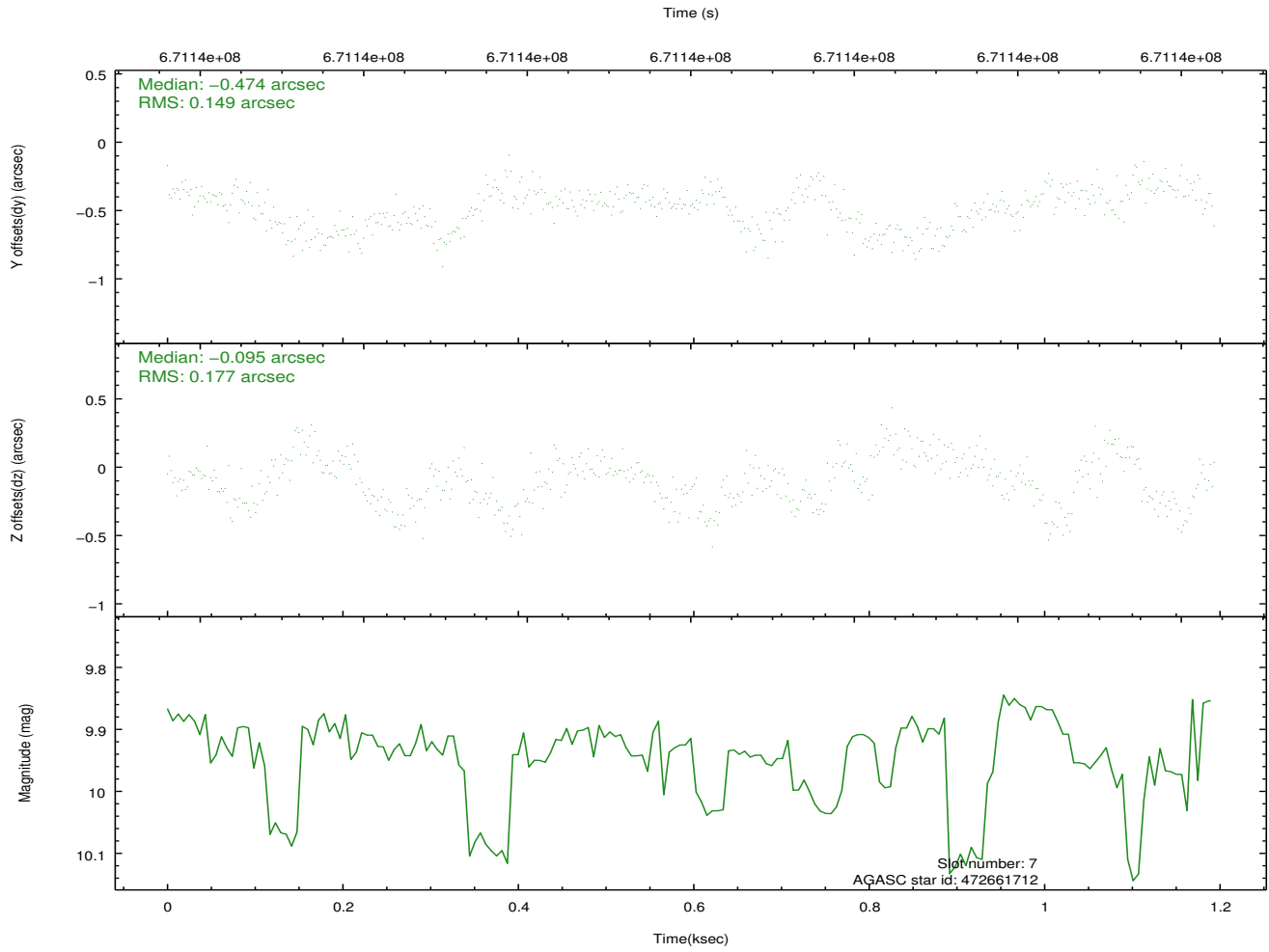
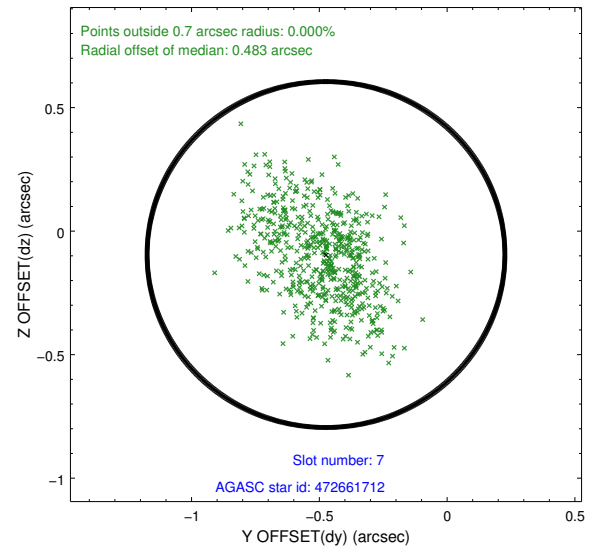
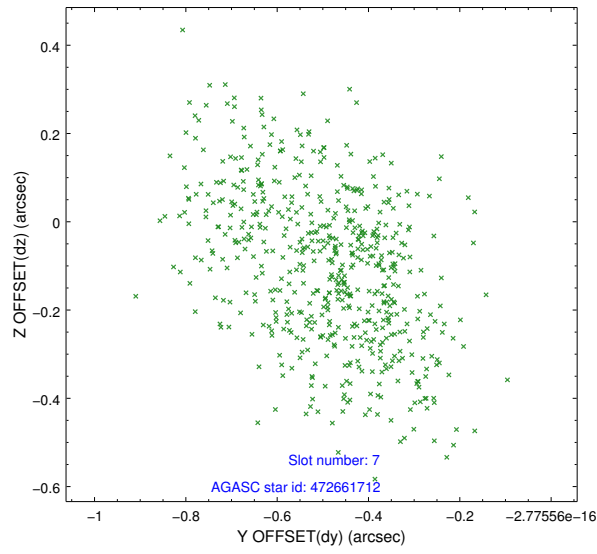
2.4.3 Slot 5



2.4.4 Slot 6

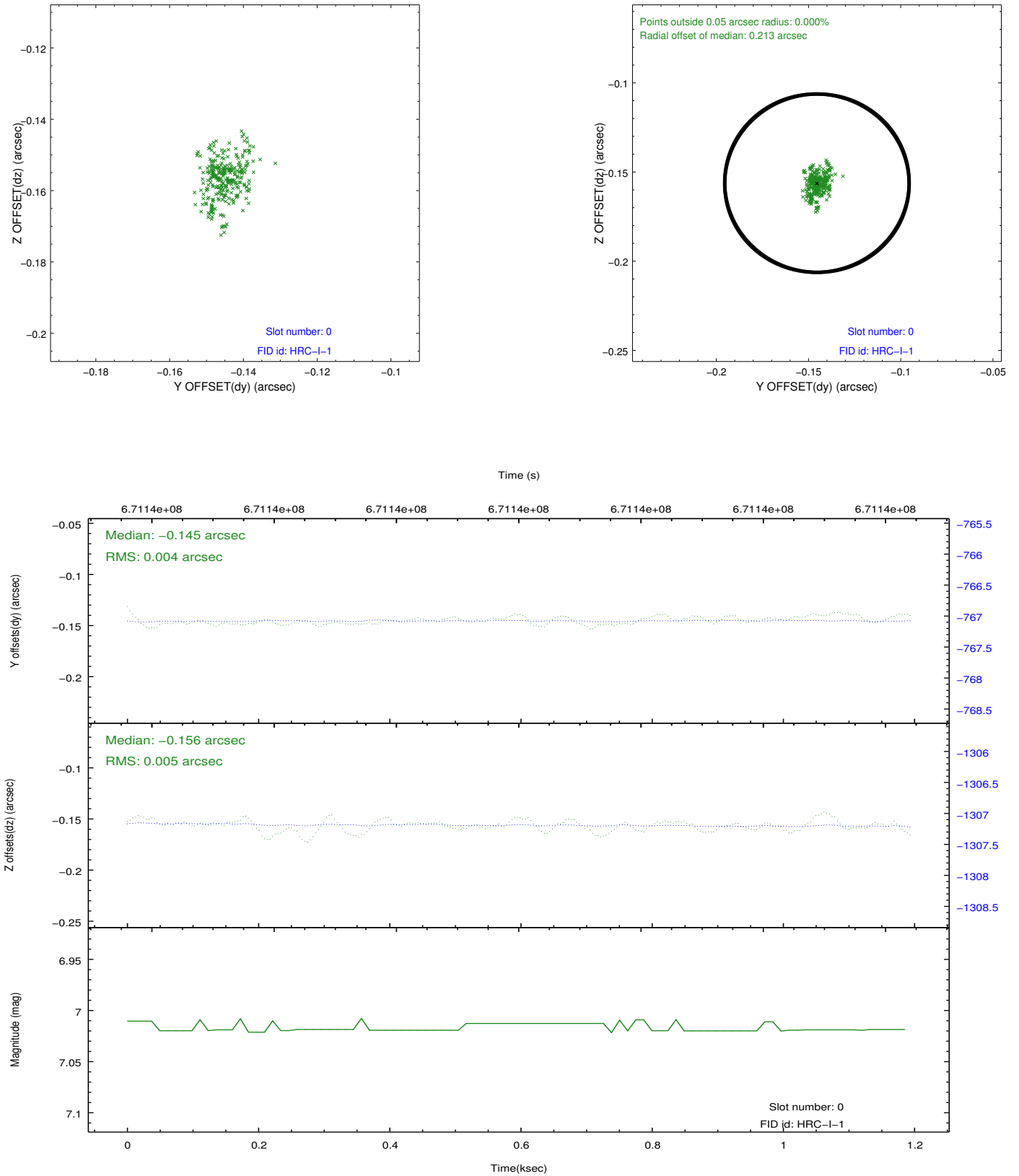


2.4.5 Slot 7

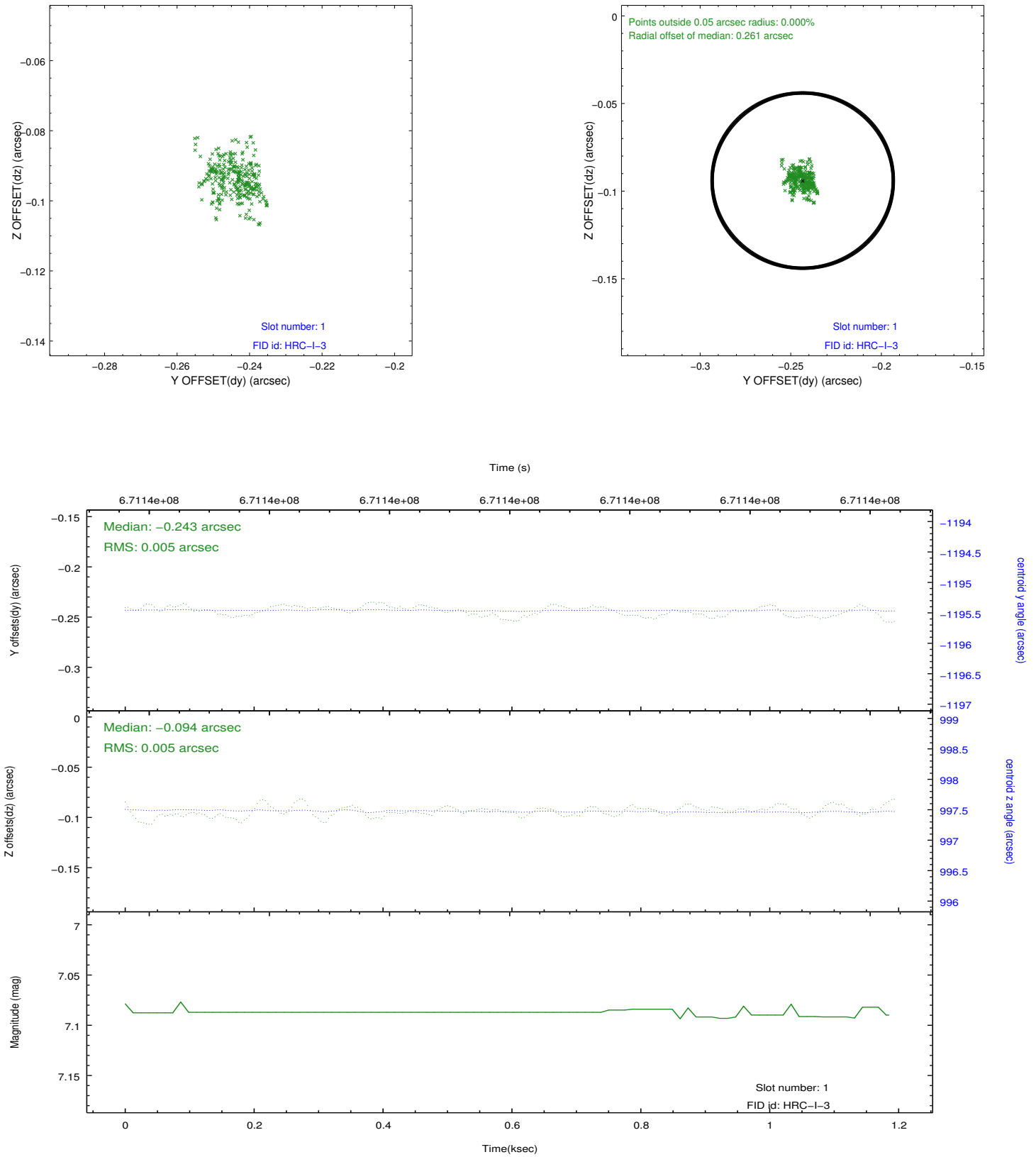


2.5 FID Slots

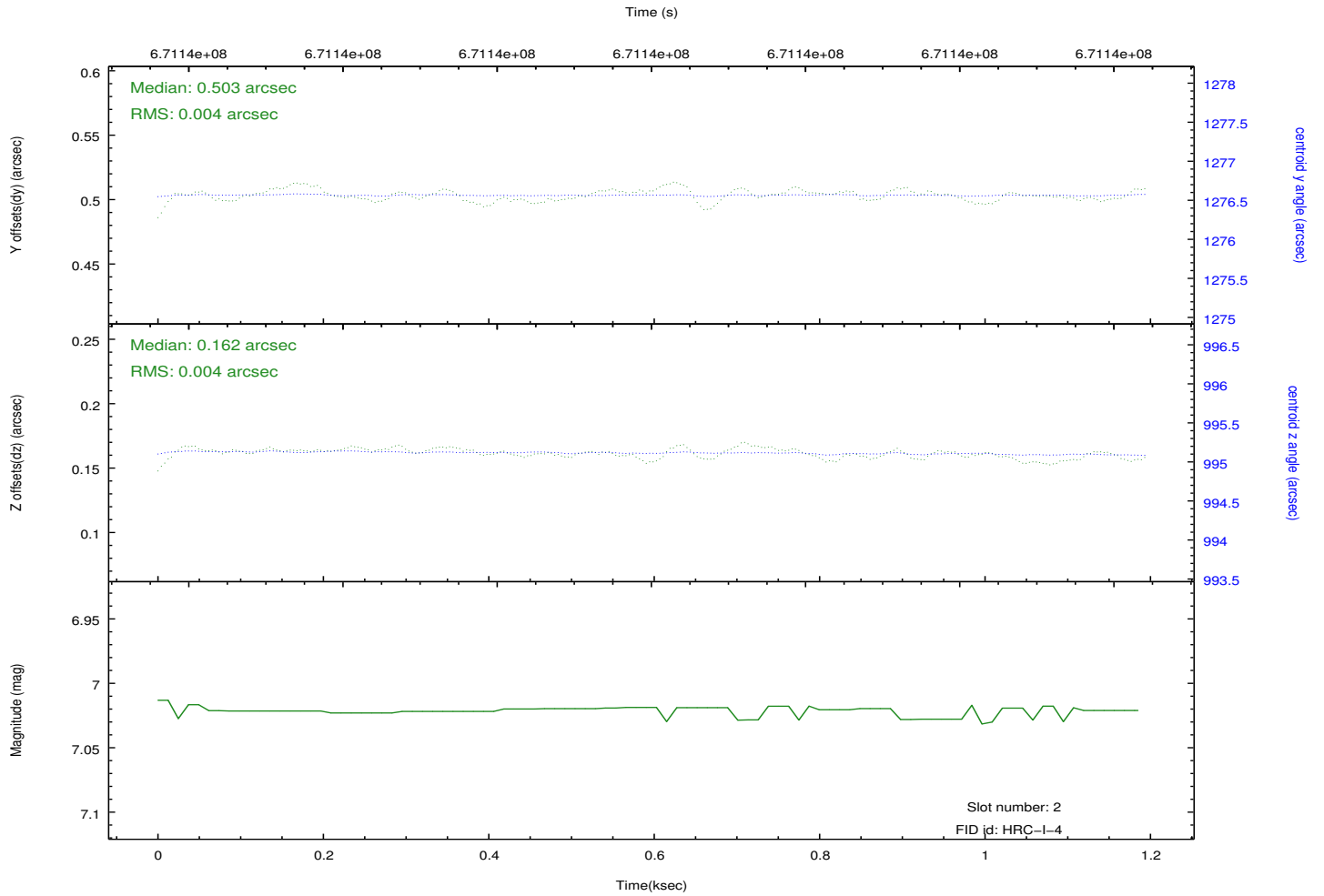
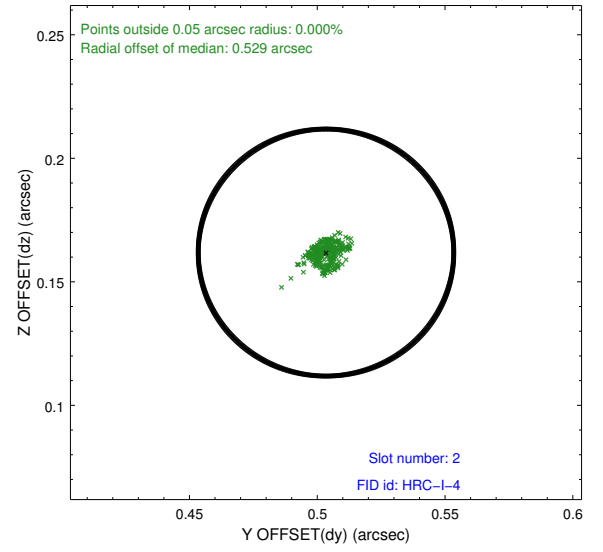
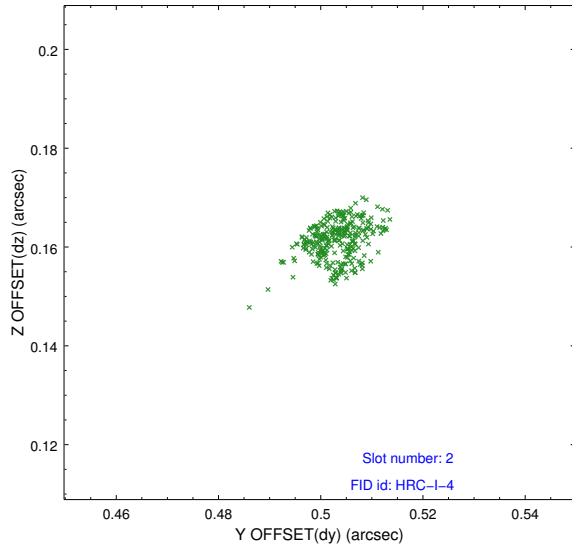
2.5.1 Slot 0



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)	2019.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1943813216686

A.2 Comments