

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21773 - L2 Version 1
Chandra X-Ray Center

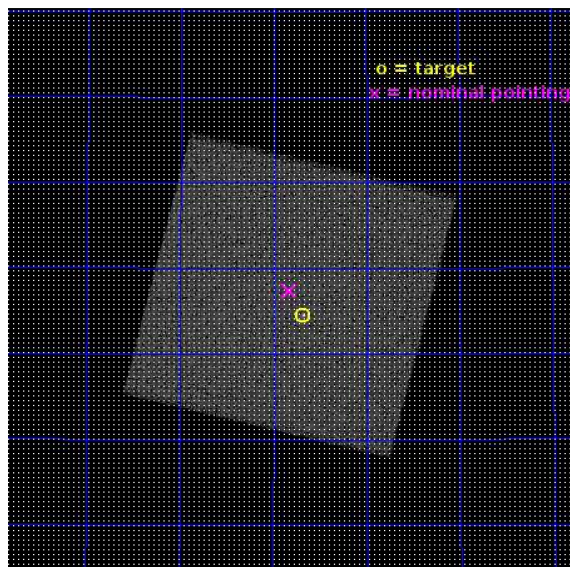
L2 Processing Date : Apr 9 2019

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1 Front

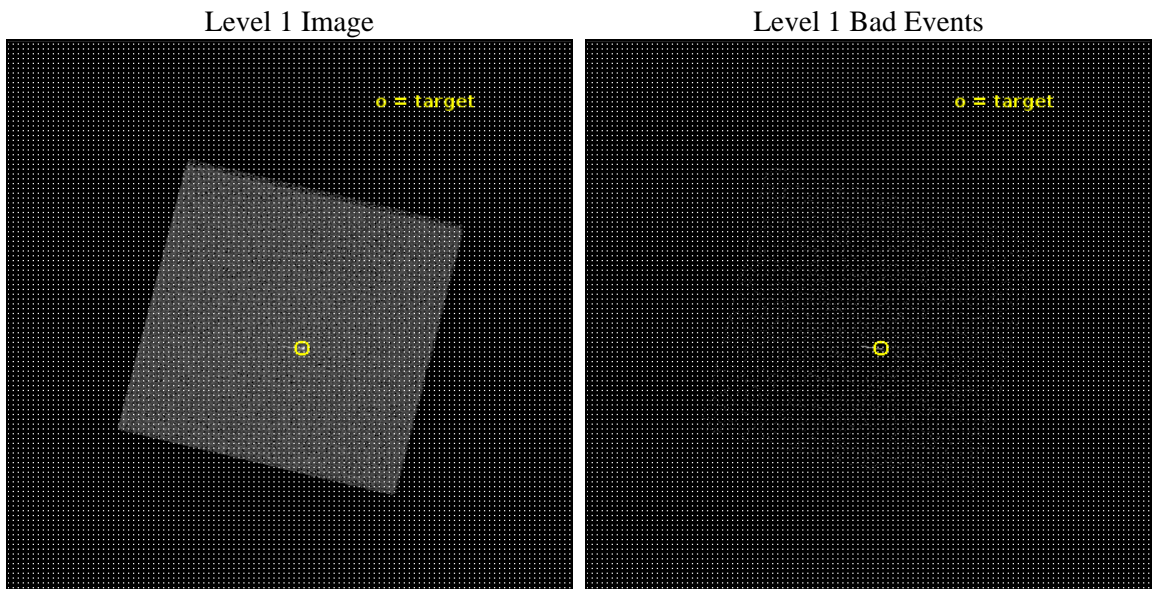
seq_num	291459	Sequence number
obs_id	21773	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.20658039362	Nominal RA [deg]
dec_nom	45.789927512757	Nominal Dec [deg]
roll_nom	58.996370852353	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1192.075071454	[s]
livetime	1174.0371048673	Ontime multiplied by DTCOR
l2events	154182	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	1192.075071454	[s]
caldbver	4.8.2	 	l1events	255187	Number of level 1 events
date	2019-04-09T03:55:25	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

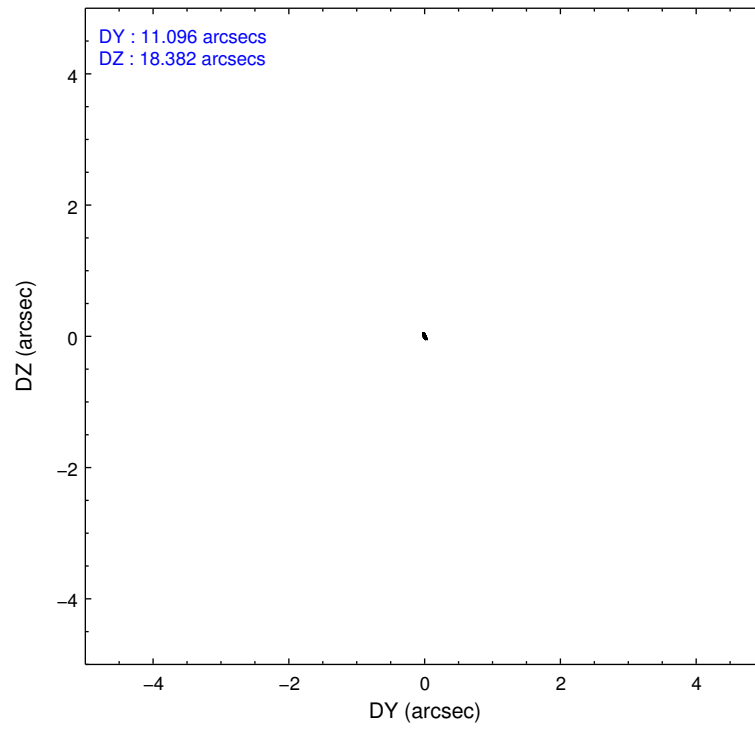
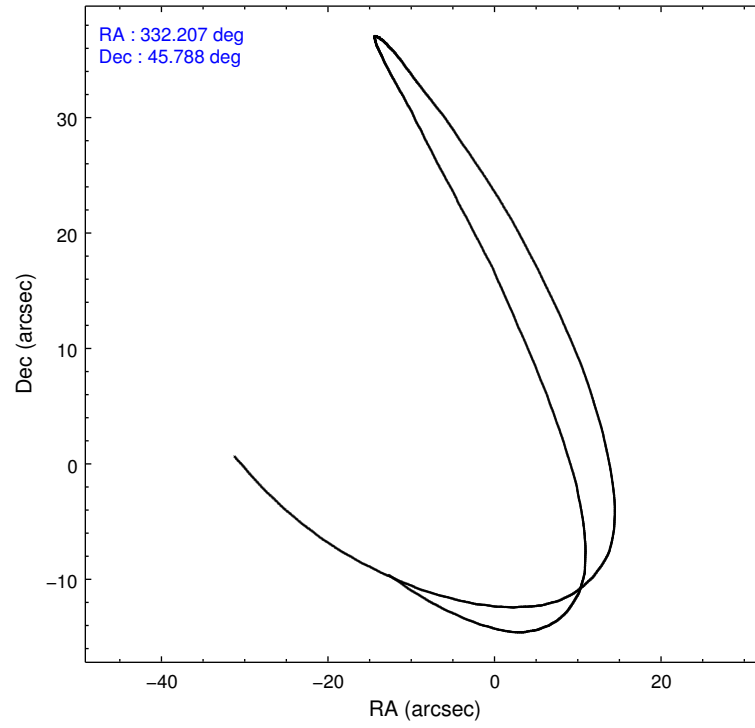
Level 1 Events

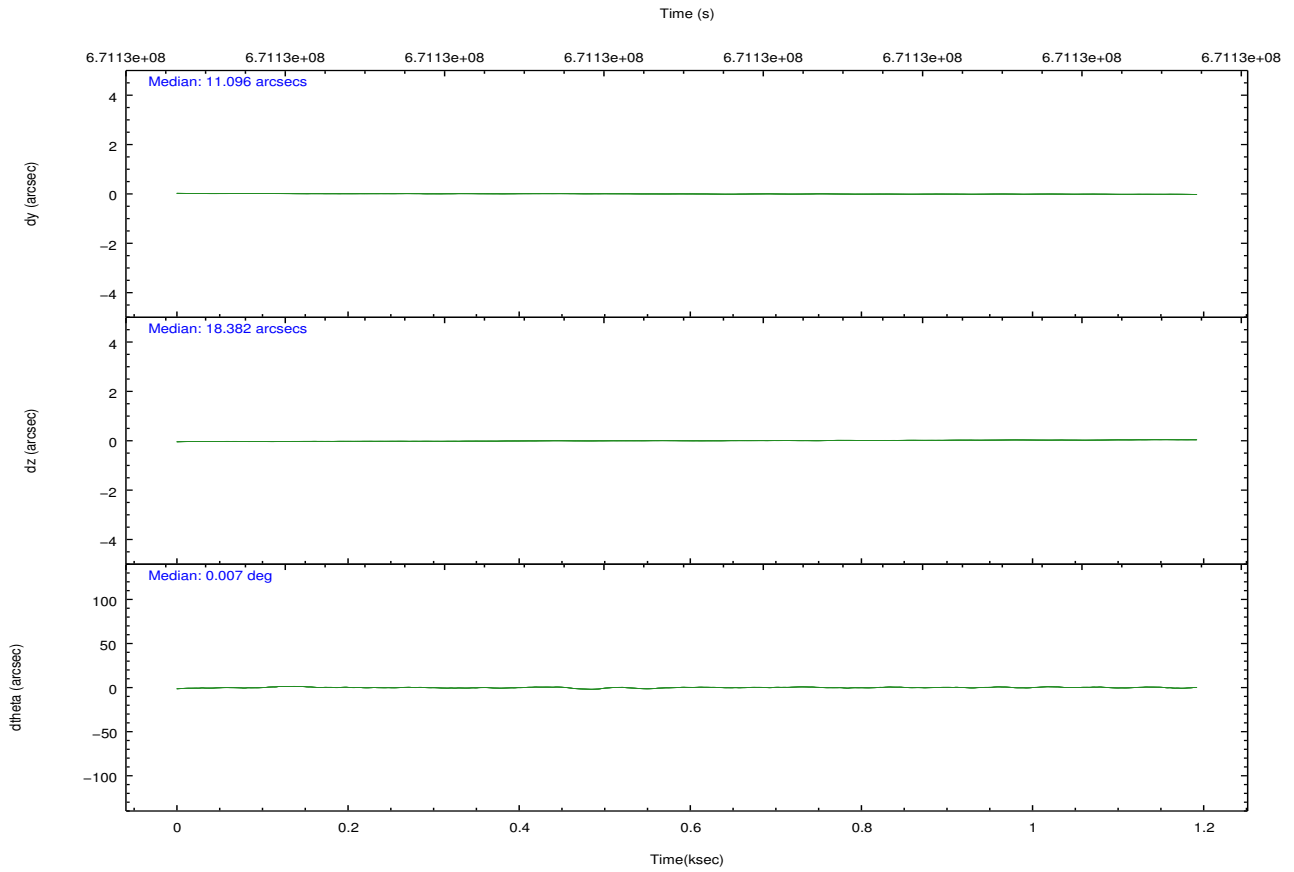
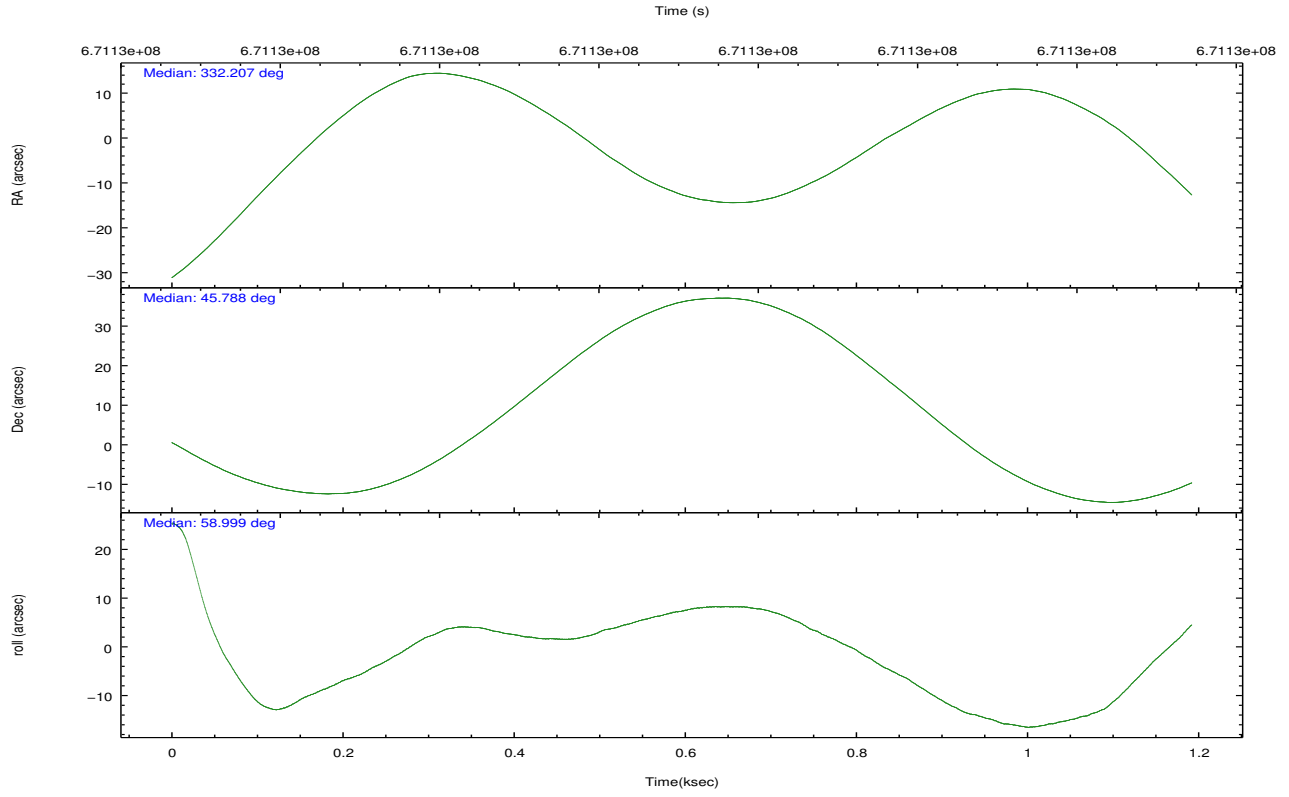
	segment 0
level 1 events	255187
rejected events	54231
rejected %	21%

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	332.205879	332.2065803936181			
[deg] Pointing Dec	45.763551	45.78992751275707			
[deg] Pointing Roll	59.092369	58.99637085235328			
[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)	671131514.184000	671131138.15423			
Observation start date	2019-04-08T17:24:05	2019-04-08T17:18:58			
[s] Observation end time (MET)	671132514.184000	671132647.97932			
Observation end date	2019-04-08T17:40:45	2019-04-08T17:44:07			

2.3 Aspect



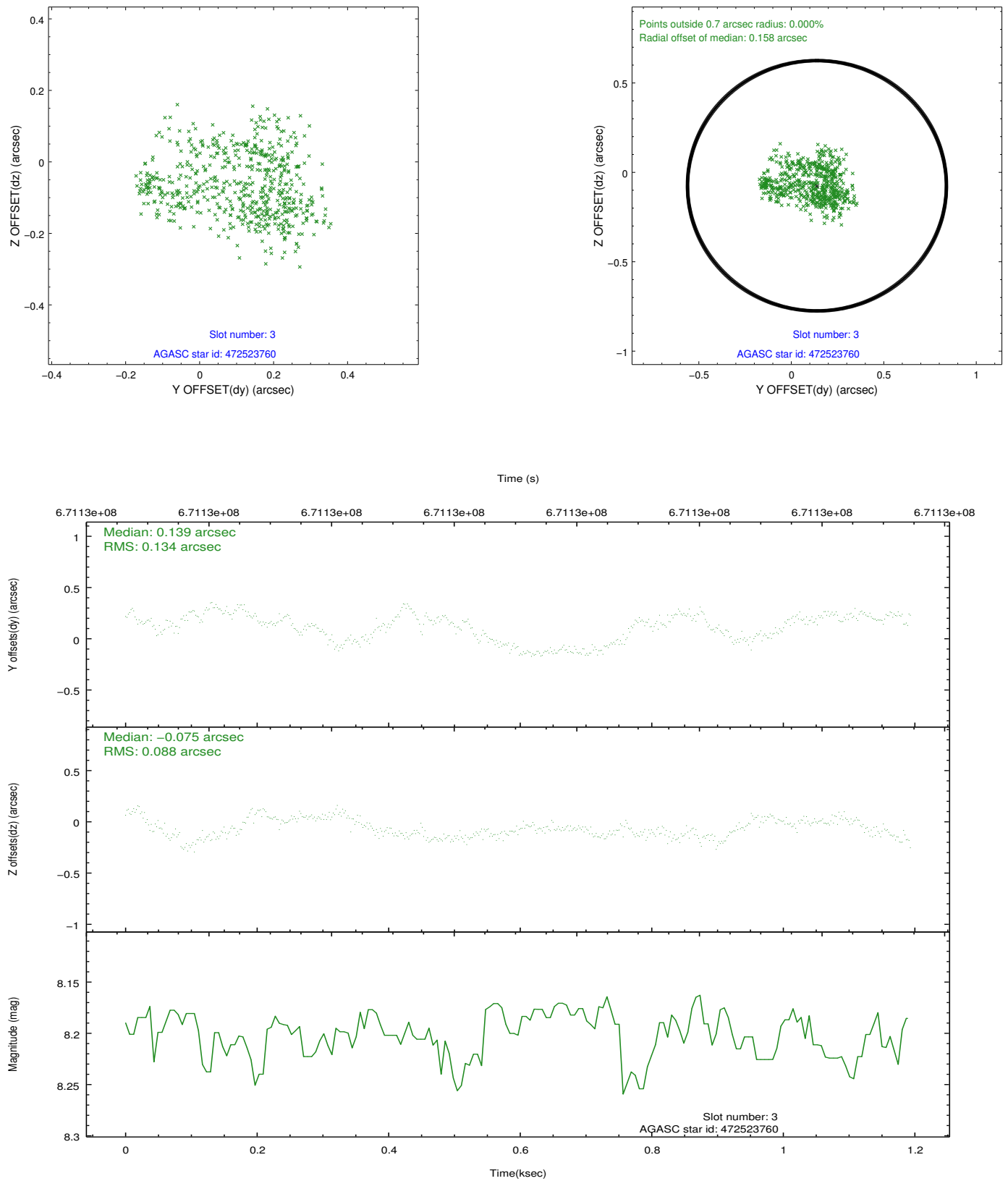


Slot Statistics

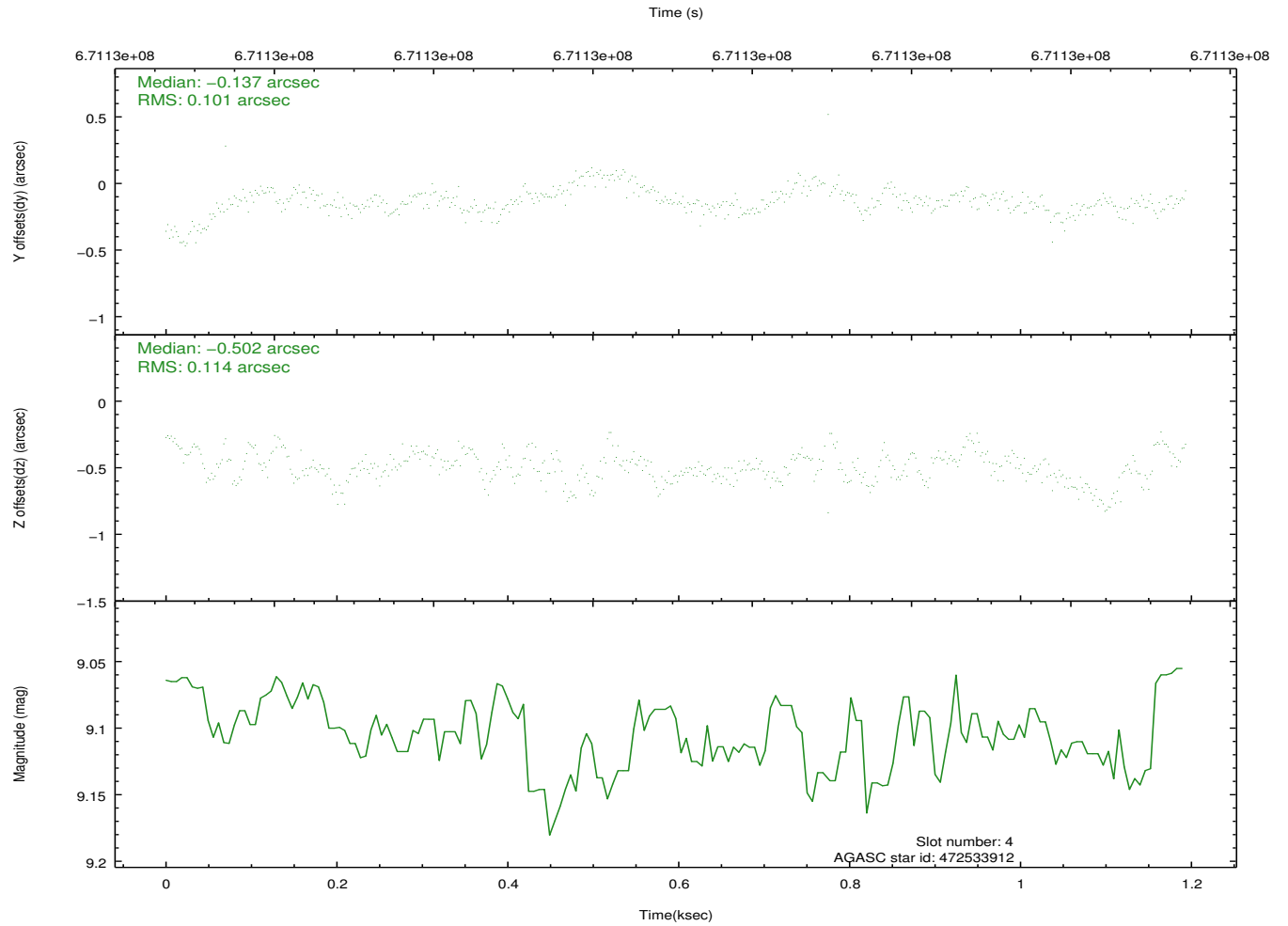
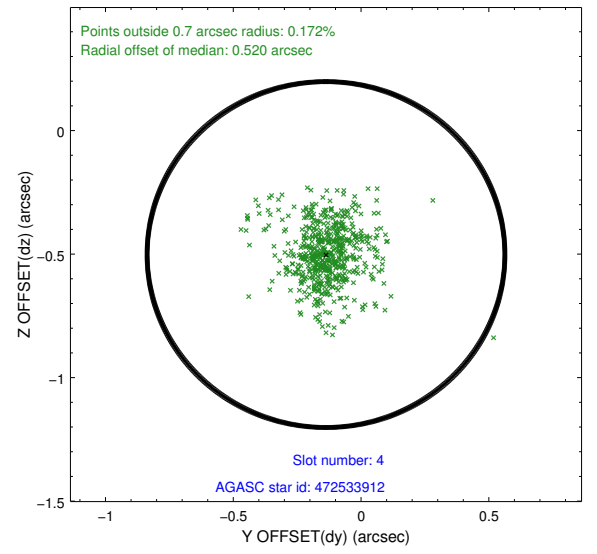
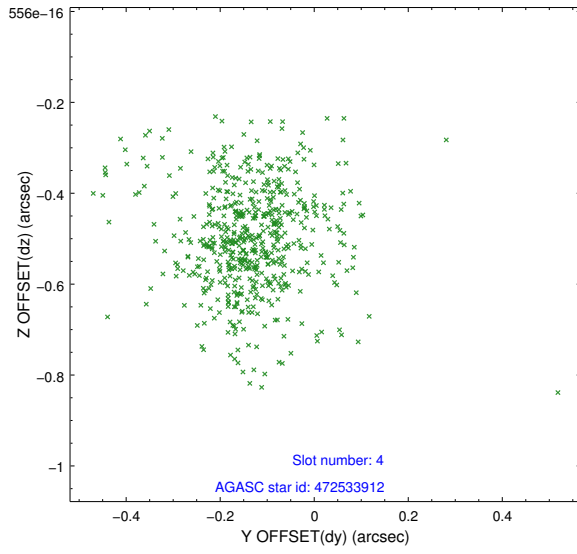
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.04	291	1.000	0.101	-0.117	0.006	0.013	0.000000	0.000000	845.98	-1308
1	FID		HRC-I-3	7.09	291	1.000	-0.376	0.044	0.007	0.011	0.000000	0.000000	-1192.76	993
2	FID		HRC-I-4	7.03	291	1.000	0.393	-0.013	0.007	0.011	0.000000	0.000000	1272.28	999
3	GUIDE	used	472523760	8.20	583	1.000	0.139	-0.075	0.174	0.279	331.645363	45.403260	-1834.54	555
4	GUIDE	used	472533912	9.10	582	1.000	-0.137	-0.502	0.152	0.280	331.791136	46.368695	1340.98	2008
5	GUIDE	used	472665256	8.98	583	1.000	-0.006	0.223	0.161	0.348	332.808125	46.195041	2112.70	-479
6	GUIDE	used	472661712	10.02	573	1.000	-0.554	-0.185	0.339	0.512	331.914954	46.059715	548.05	1174
7	GUIDE	used	472649352	9.69	581	1.000	0.505	0.523	0.244	0.406	332.034169	45.325407	-1572.91	-430

2.4 Star Slots

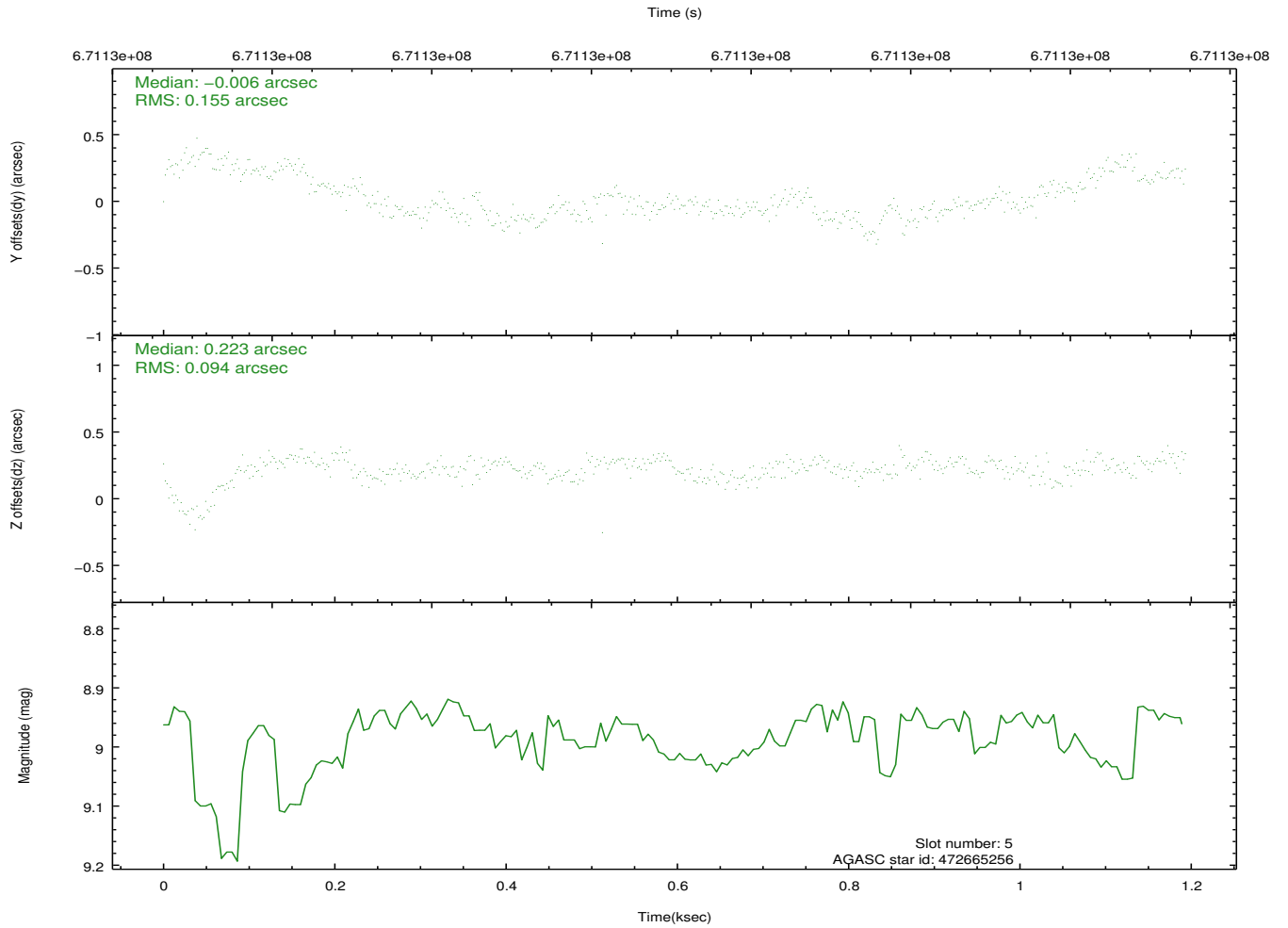
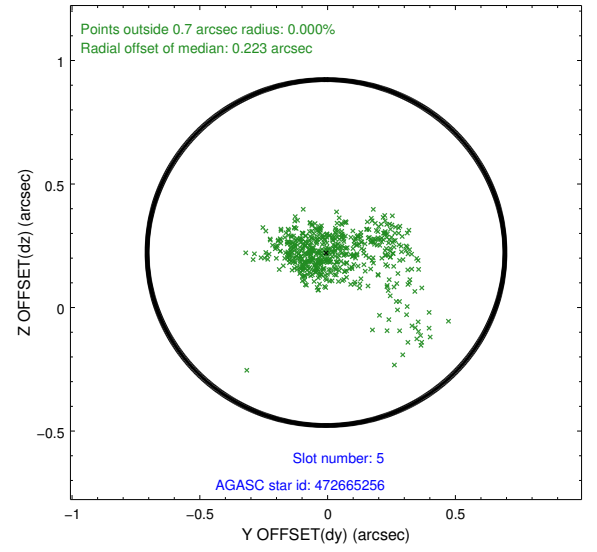
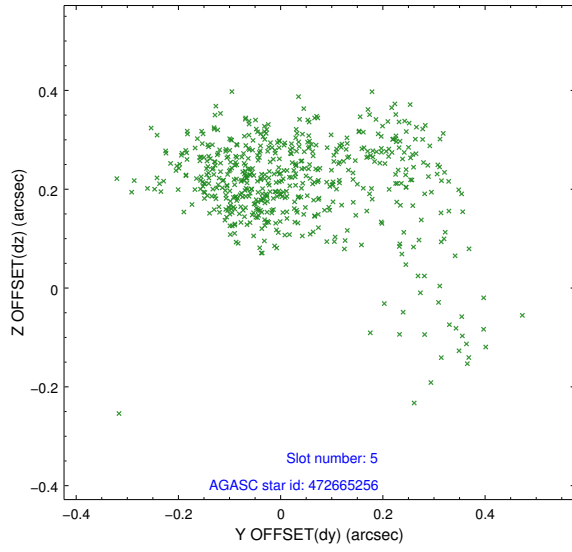
2.4.1 Slot 3



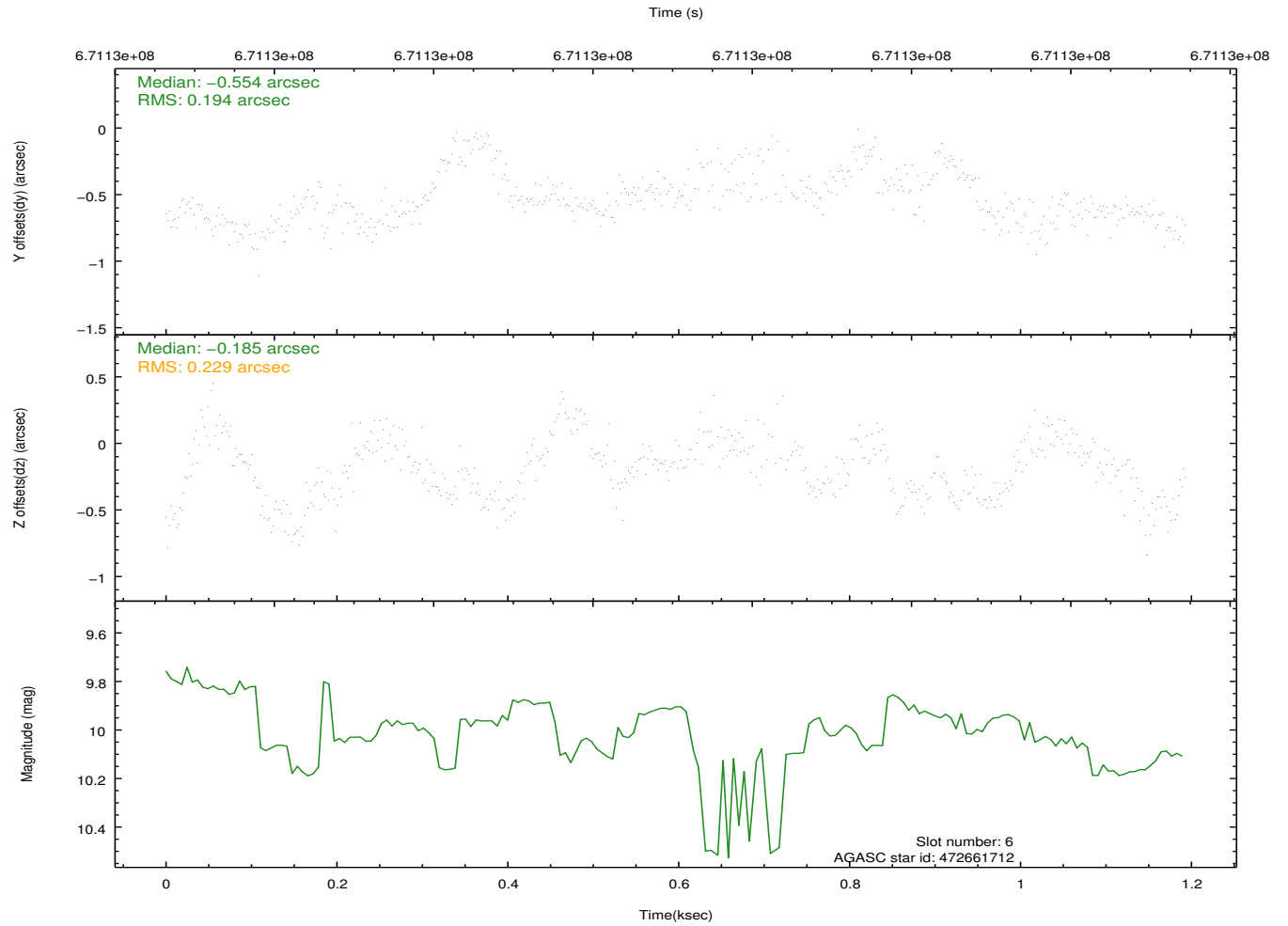
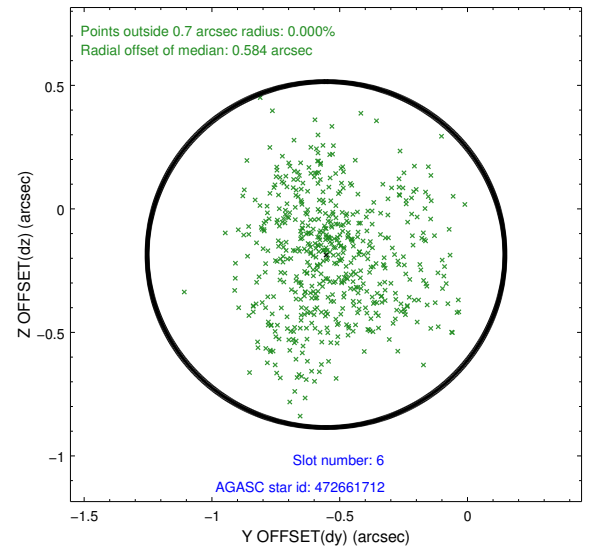
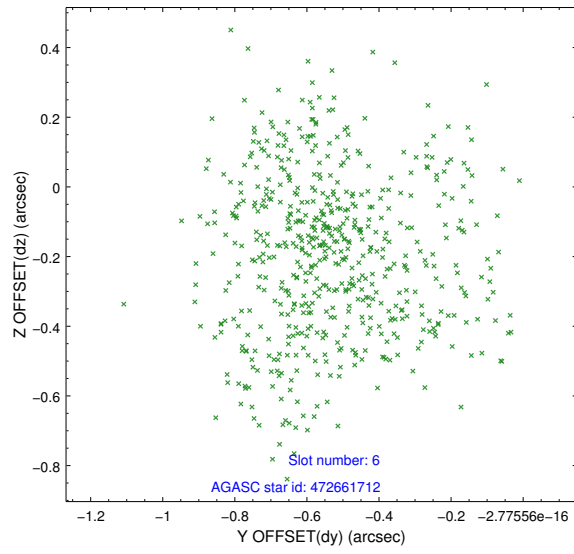
2.4.2 Slot 4



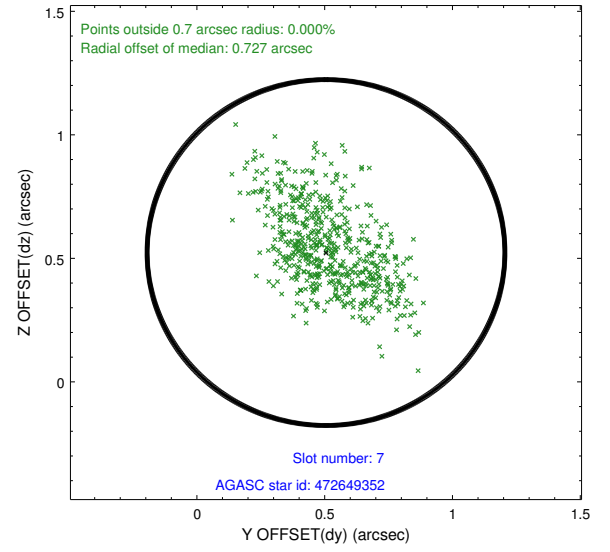
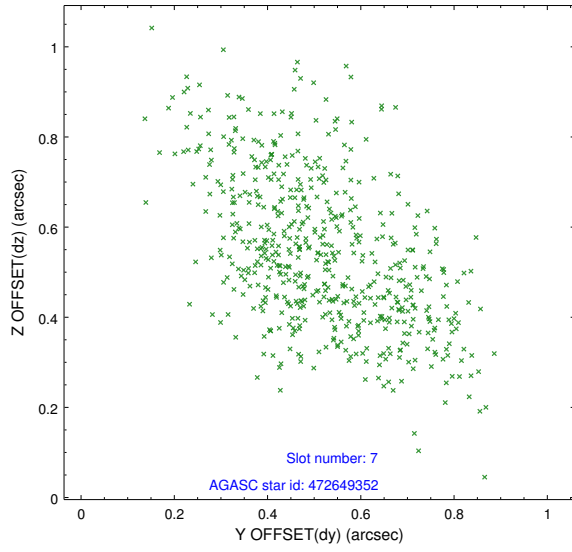
2.4.3 Slot 5



2.4.4 Slot 6

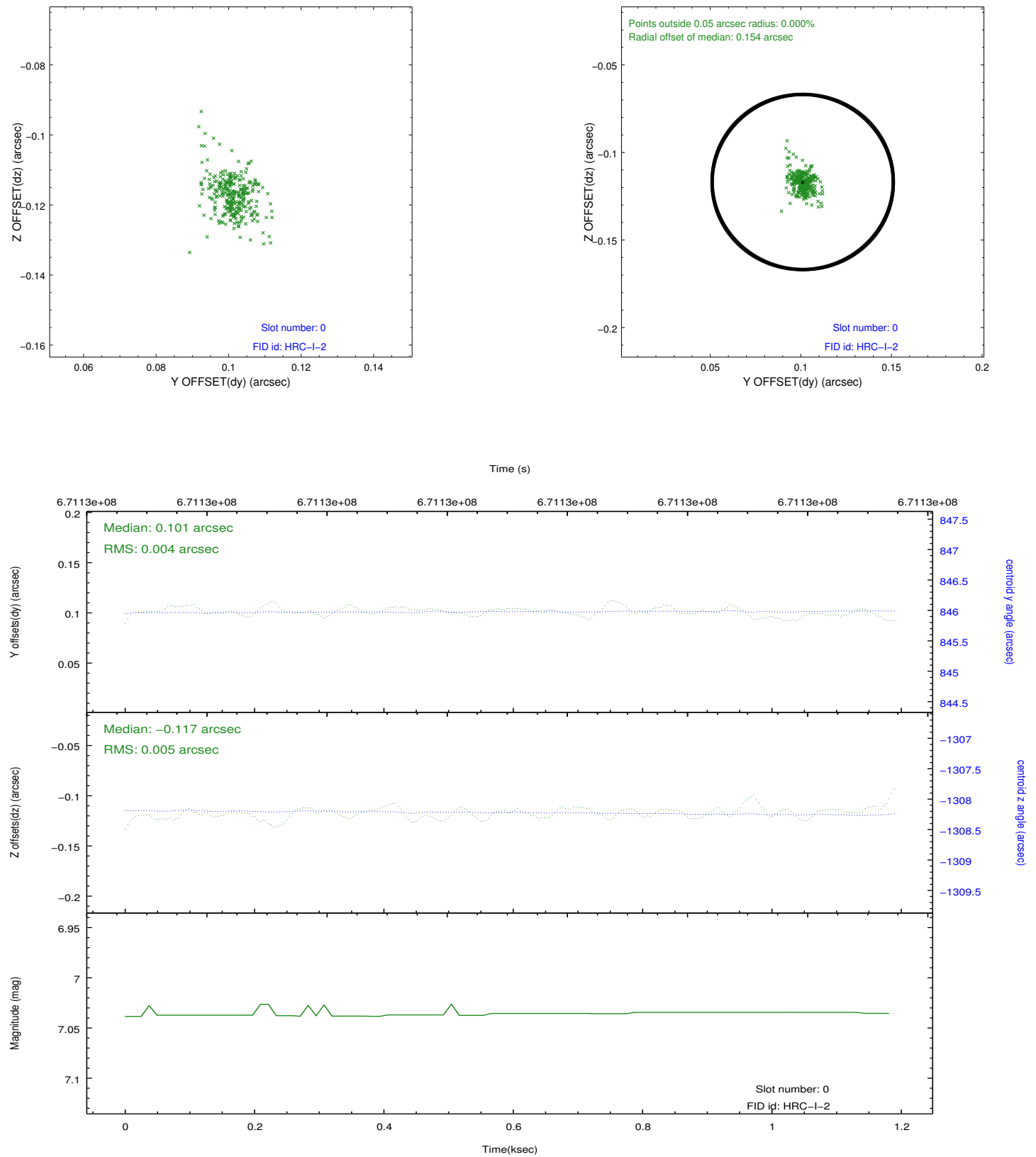


2.4.5 Slot 7

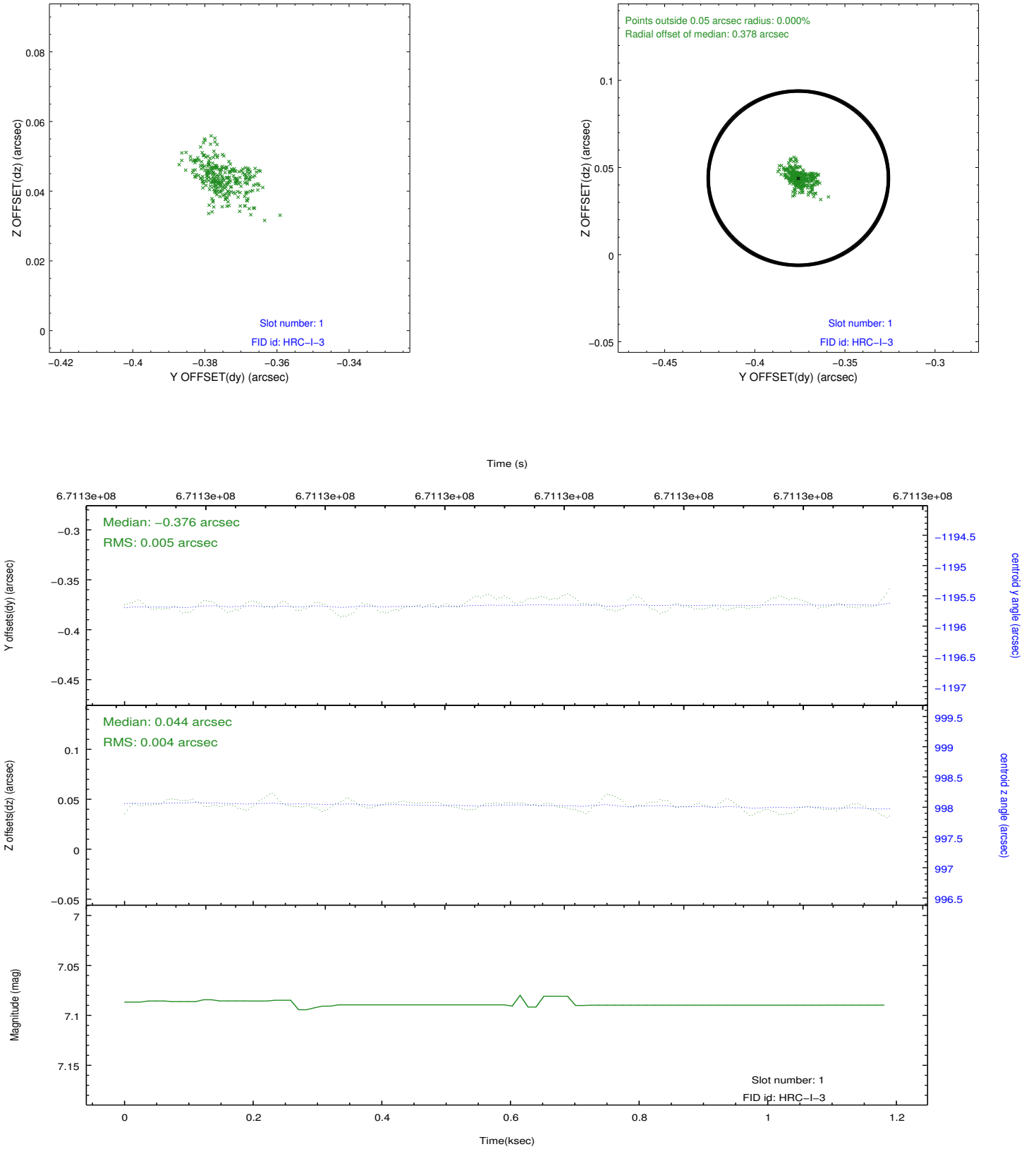


2.5 FID Slots

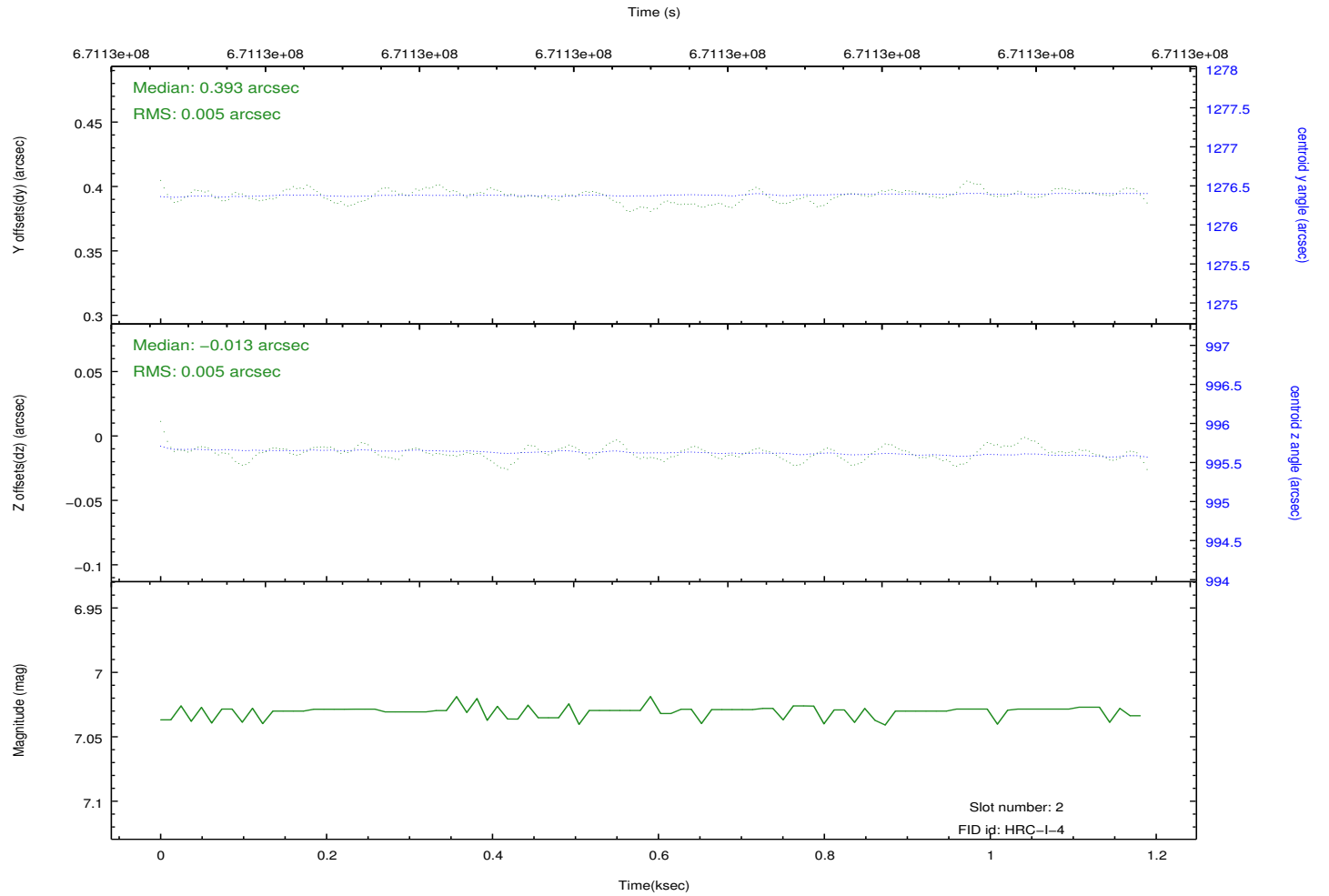
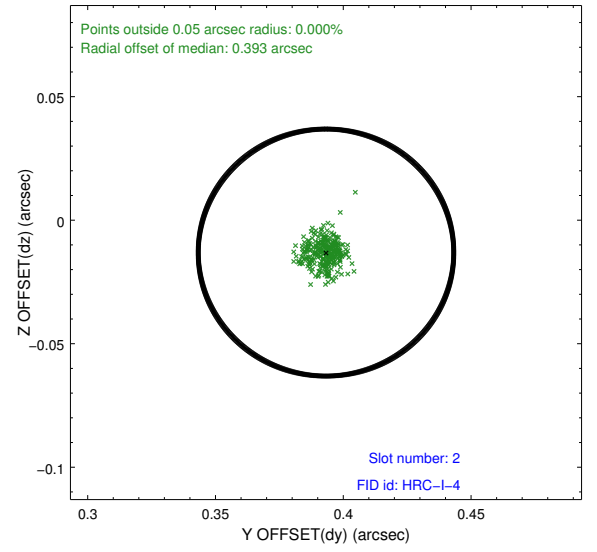
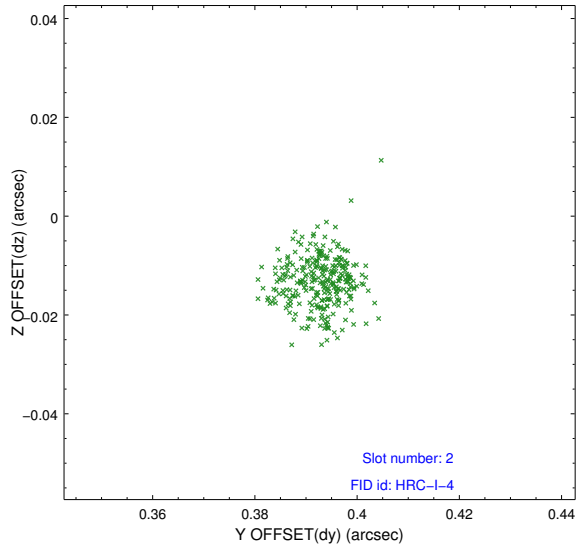
2.5.1 Slot 0



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	1.192075071454

A.2 Comments