

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6540 - L2 Version 5
Chandra X-Ray Center

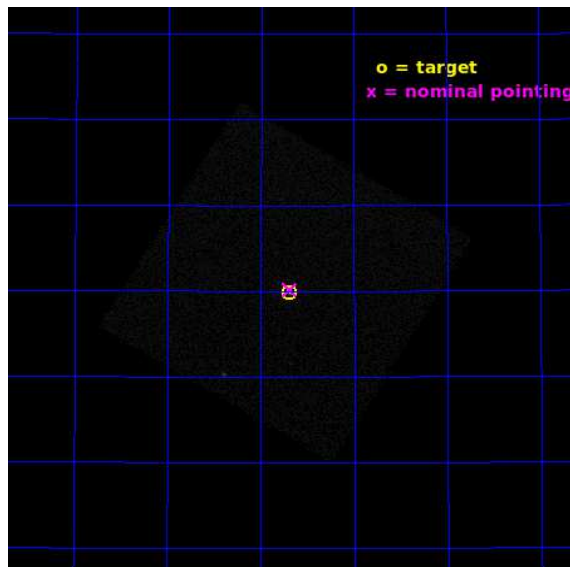
L2 Processing Date : Oct 12 2020

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1 Front

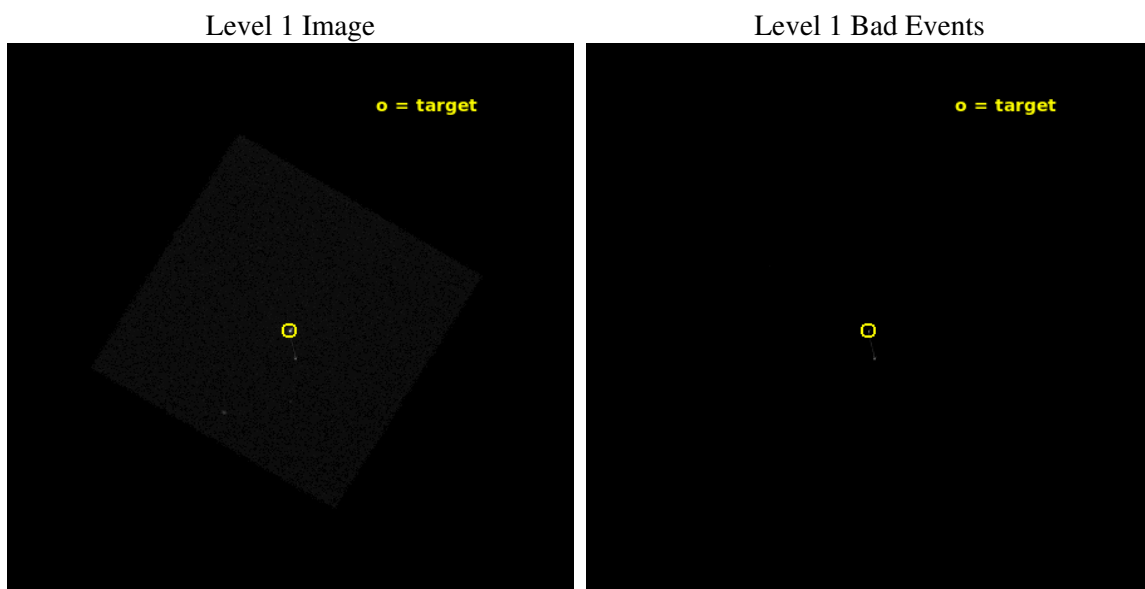
seq_num	290633	Sequence number
obs_id	6540	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.172144305688	Nominal RA [deg]
dec_nom	46.002792925558	Nominal Dec [deg]
roll_nom	166.25968956768	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5185.4752397835	[s]
livetime	5138.4506153184	Ontime multiplied by DTCOR
l2events	325062	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5185.4752397835	[s]
caldbver	4.9.2	 	l1events	528244	Number of level 1 events
date	2020-10-12T03:33:19	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

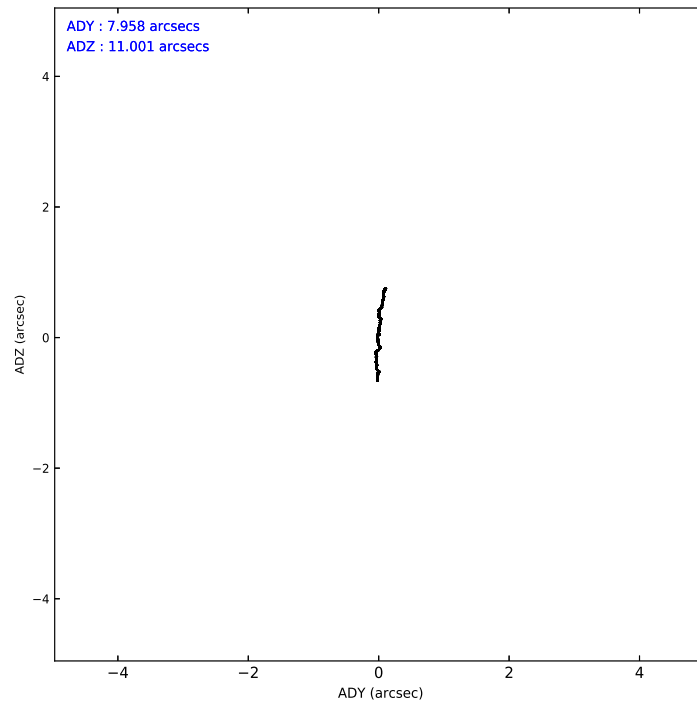
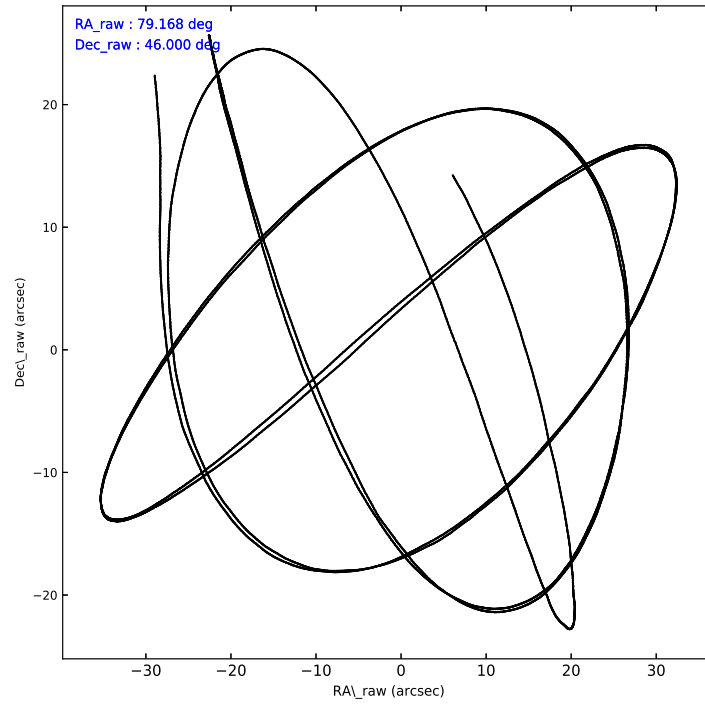
	segment 0
level 1 events	528244
rejected events	97073
rejected %	18%

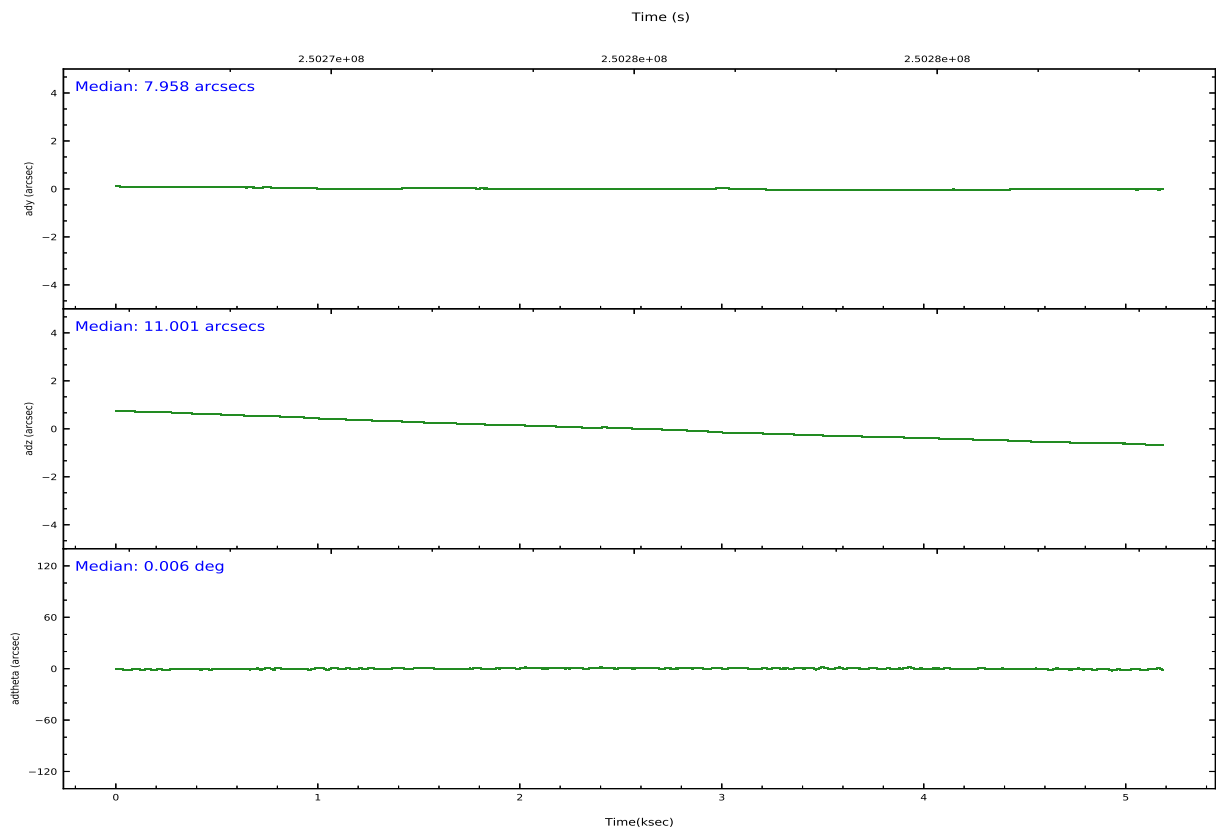
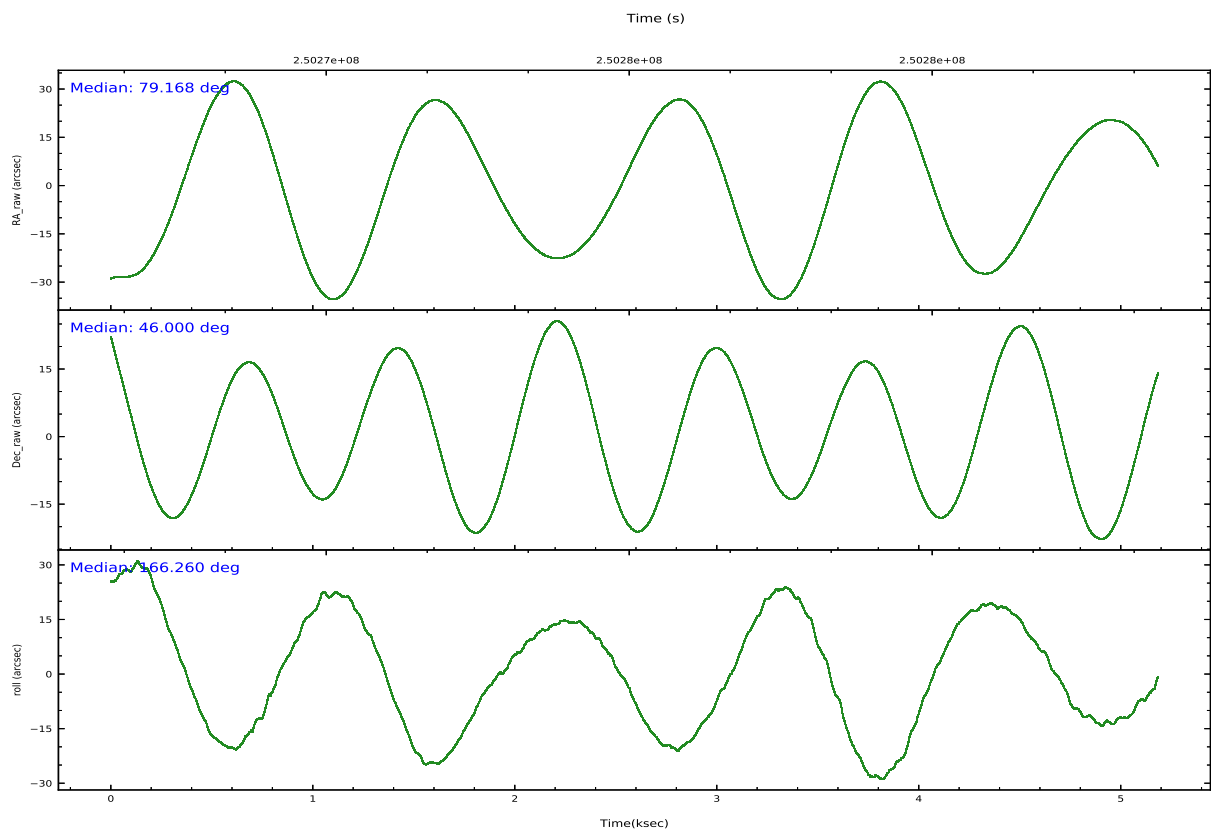
2.2 Compared Parameters

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	79.204867	79.17214430568799
[deg] Pointing Dec	46.008659	46.002792925558
[deg] Pointing Roll	166.340655	166.25968956768
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	129.985494	129.9800438294458
[mm] SIM translation stage offset	-3	-2.994554937844214
[s] Observation start time (MET)	250273620.184000	250272085.86466
Observation start date	2005-12-06T16:25:56	2005-12-06T16:01:25
[s] Observation end time (MET)	250278620.184000	250278753.48997
Observation end date	2005-12-06T17:49:16	2005-12-06T17:52:33

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



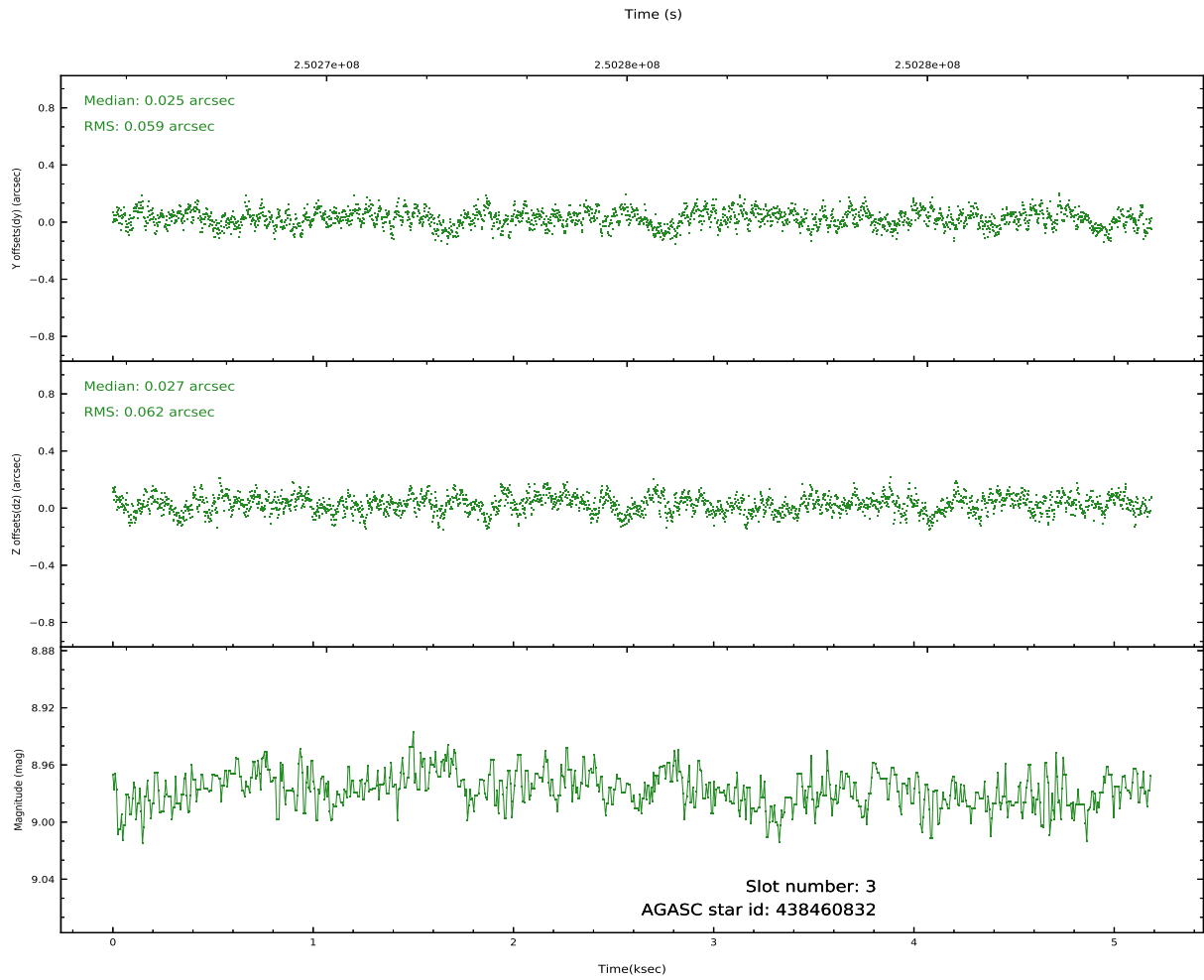
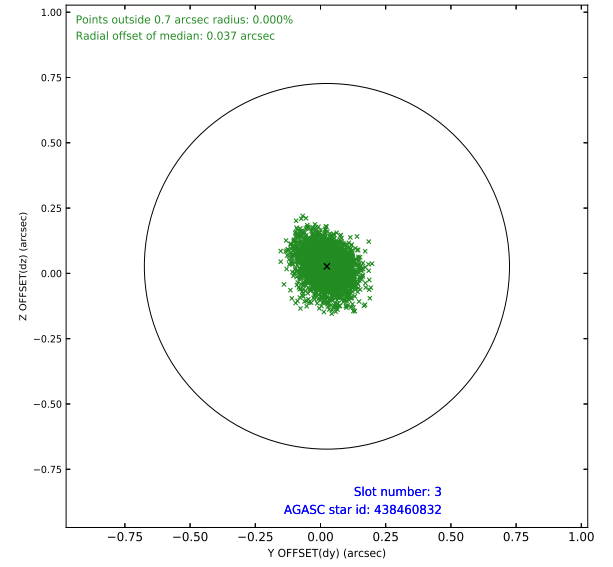
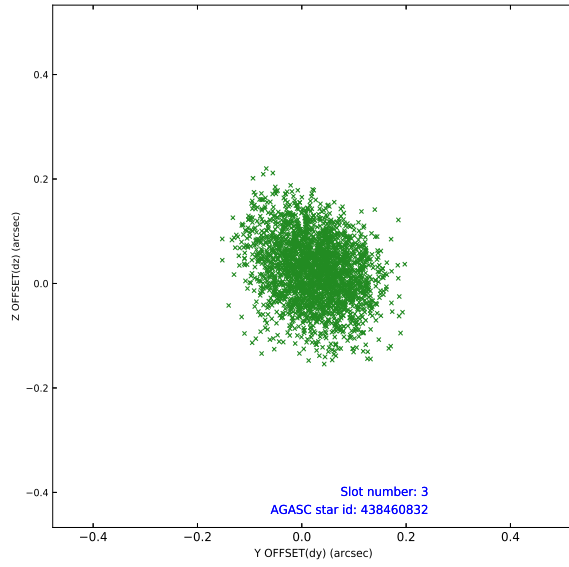


Slot Statistics

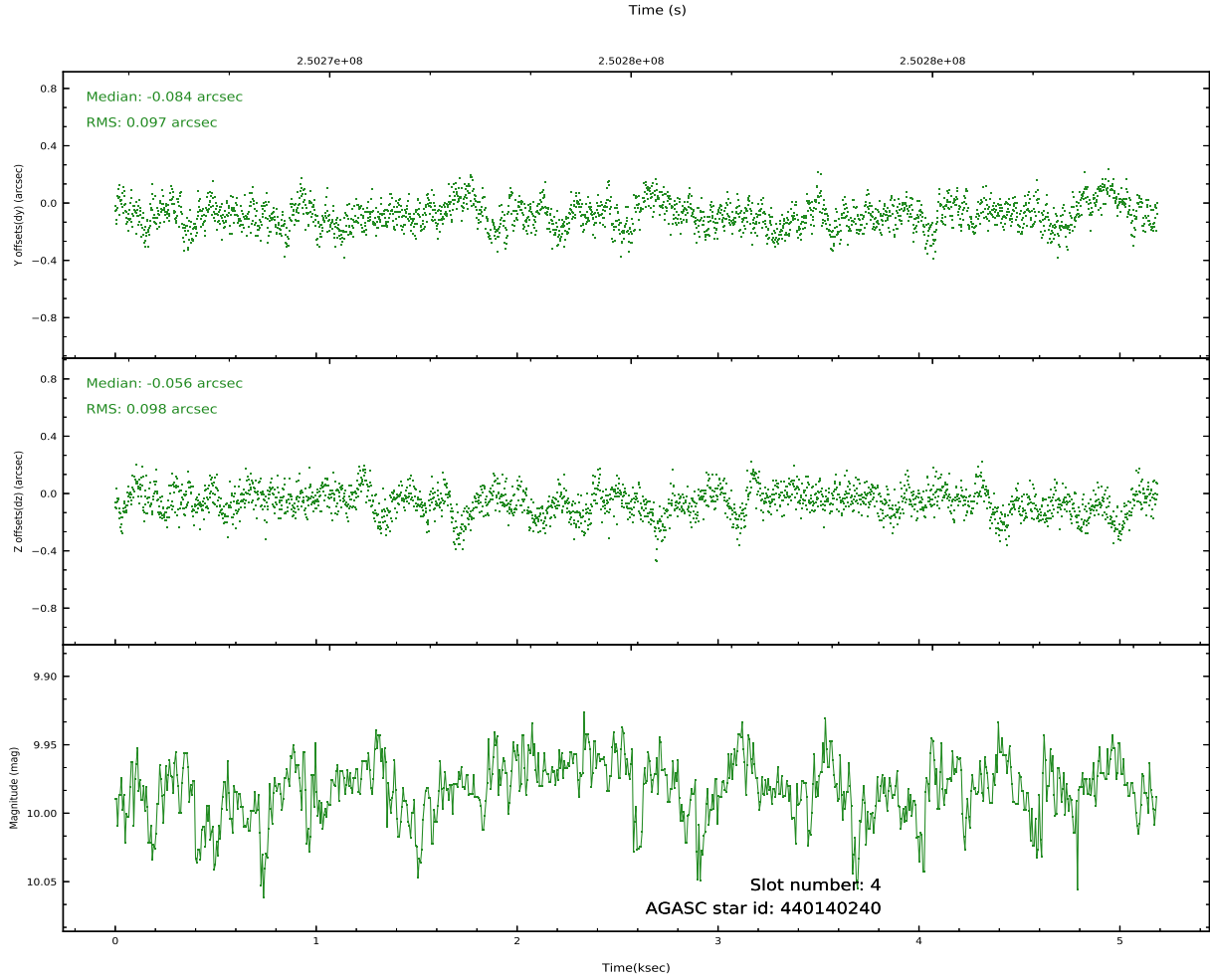
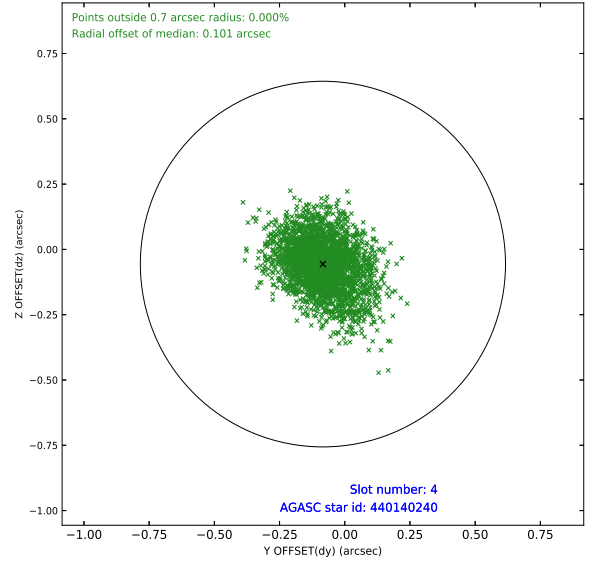
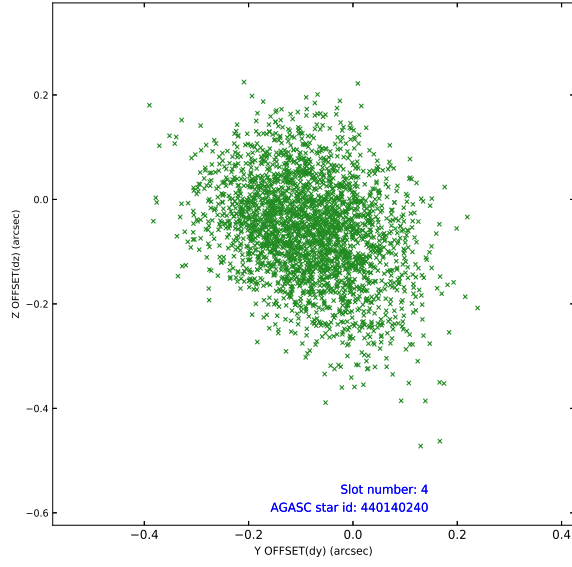
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	1265	1.000	-0.077	-0.135	0.010	0.018	0.000000	0.000000	-763.71	-1360
1	FID		HRC-I-2	7.06	1265	1.000	0.065	-0.031	0.011	0.019	0.000000	0.000000	848.64	-1363
2	FID		HRC-I-4	7.06	1264	1.000	0.128	0.074	0.008	0.016	0.000000	0.000000	1280.04	940
3	GUIDE	used	438460832	8.98	2529	1.000	0.025	0.027	0.092	0.150	78.414614	45.554782	1552.74	2048
4	GUIDE	used	440140240	9.98	2528	1.000	-0.084	-0.056	0.146	0.235	78.889349	46.726437	1368.76	-2328
5	GUIDE	used	440150048	7.16	2531	1.000	0.004	-0.021	0.069	0.112	79.112838	46.416060	569.78	-1372
6	GUIDE	used	438455912	9.25	2528	1.000	0.087	0.109	0.088	0.142	78.251946	45.690923	2062.69	1662
7	GUIDE	used	440149480	9.25	2526	1.000	-0.036	-0.057	0.121	0.197	79.794341	45.220426	-2120.13	2398

2.4 Star Slots

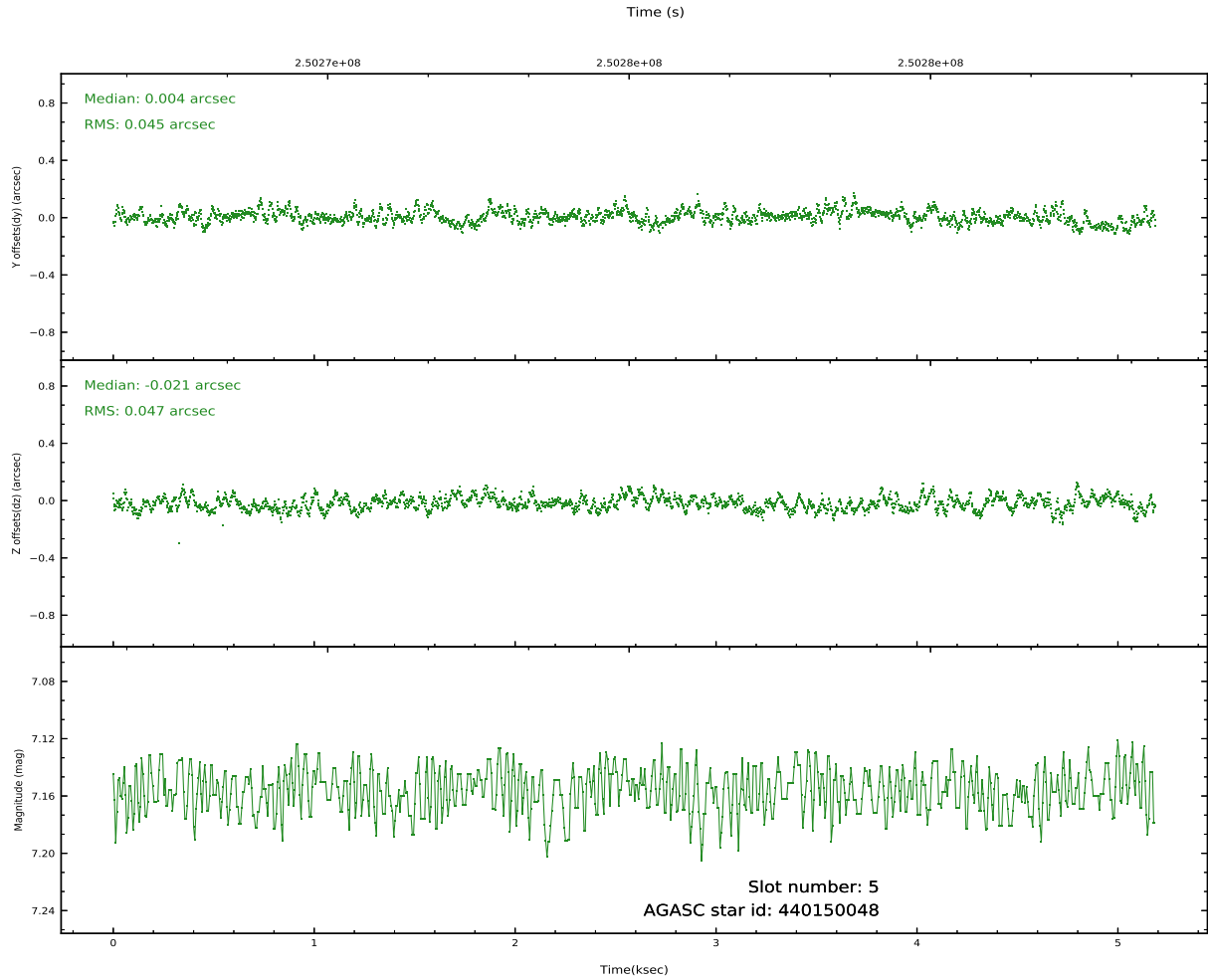
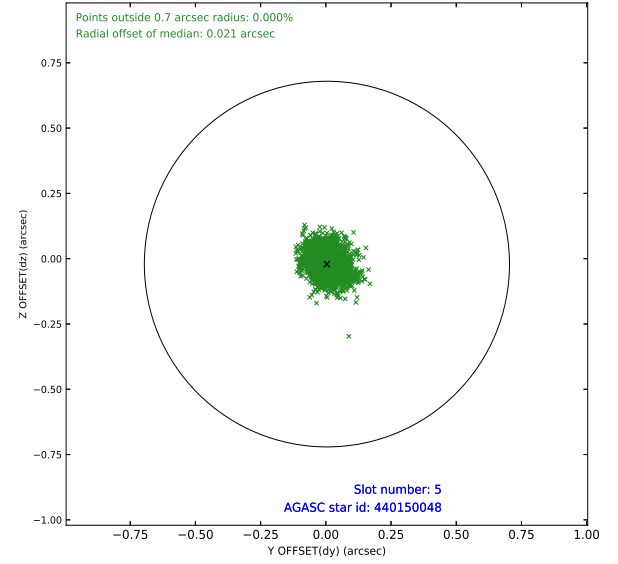
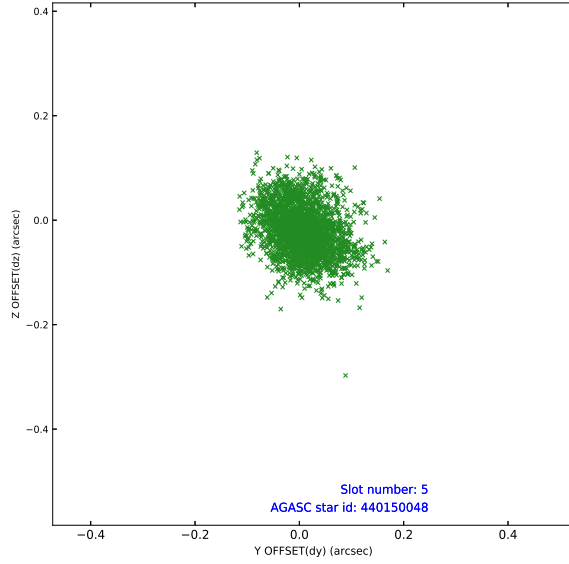
2.4.1 Slot 3



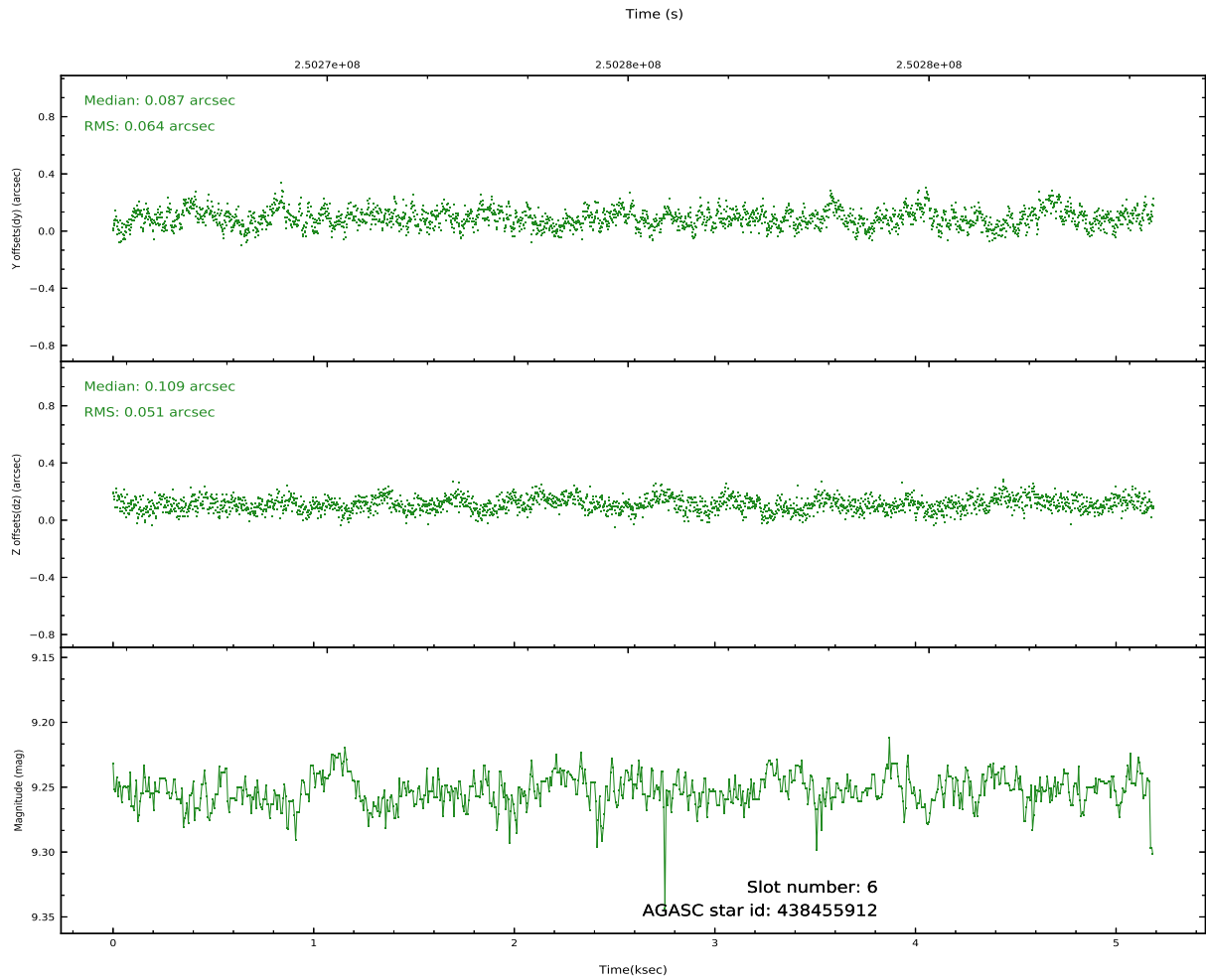
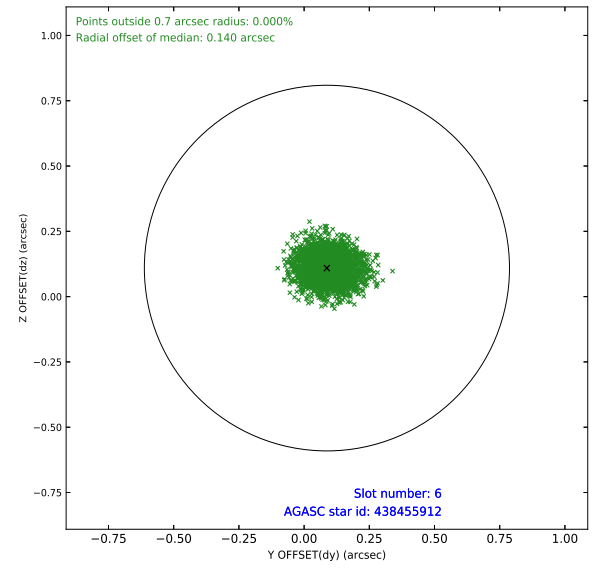
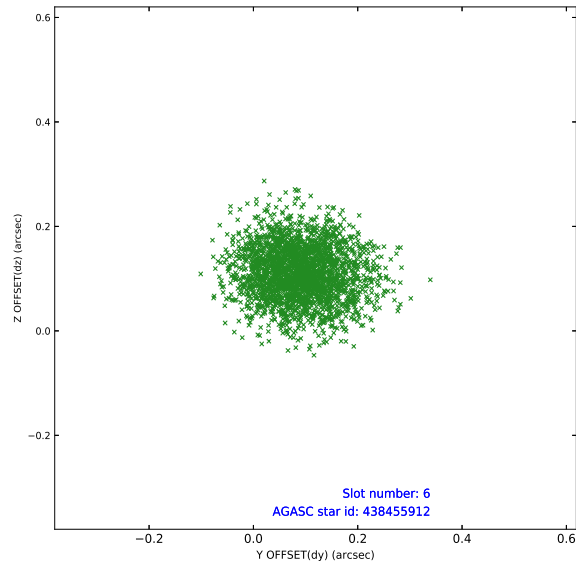
2.4.2 Slot 4



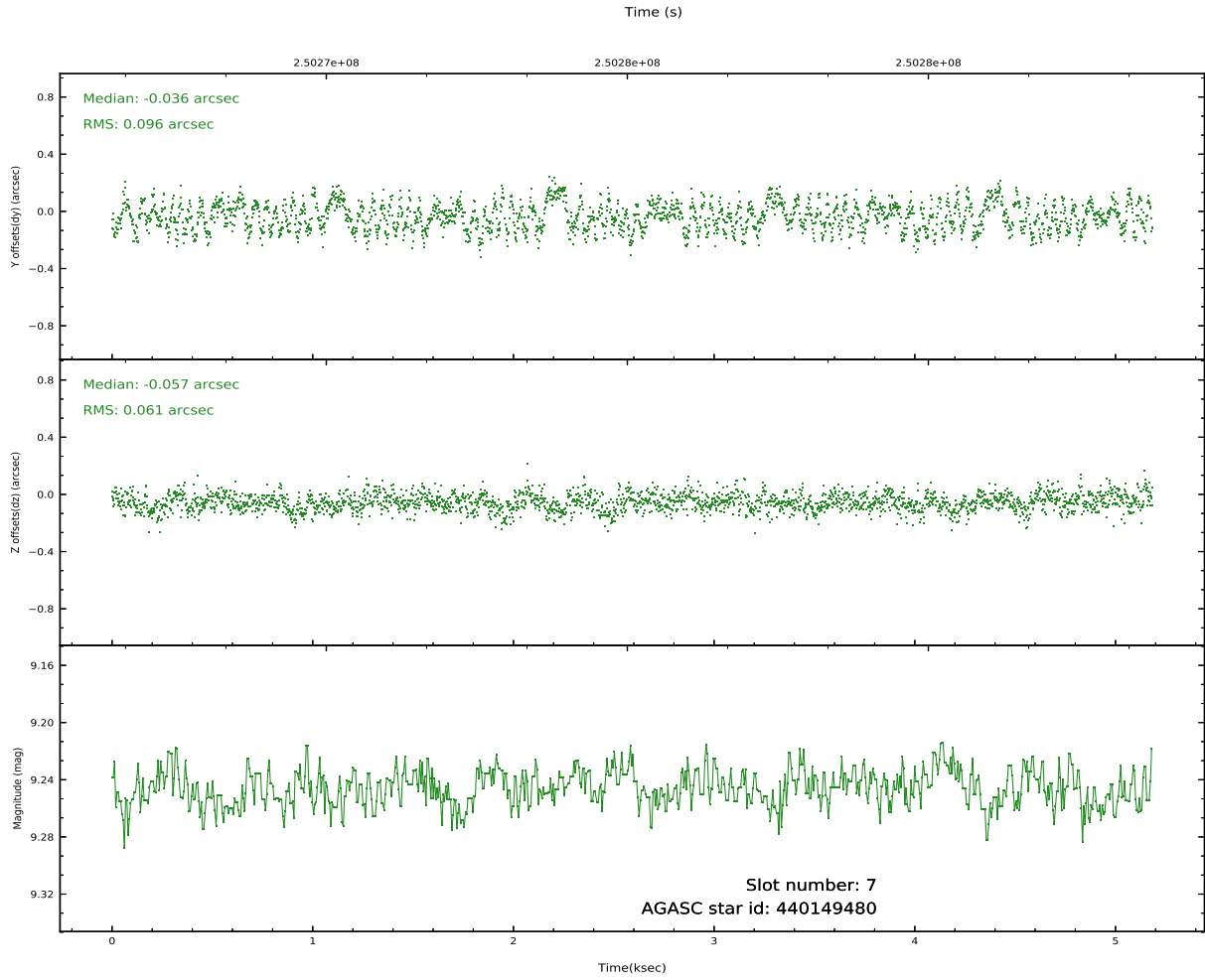
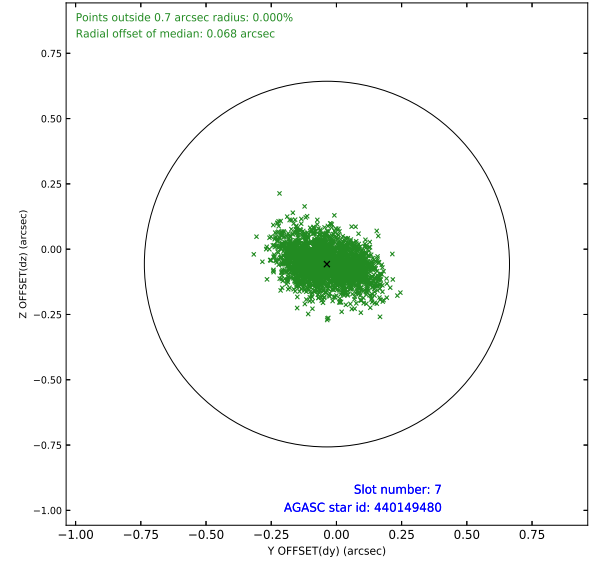
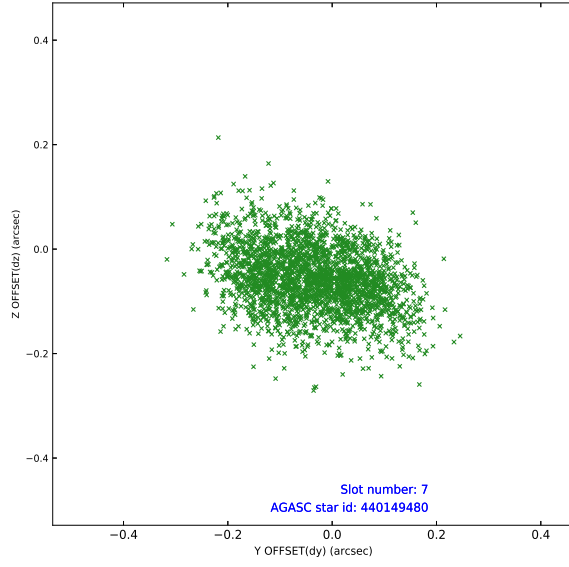
2.4.3 Slot 5



2.4.4 Slot 6

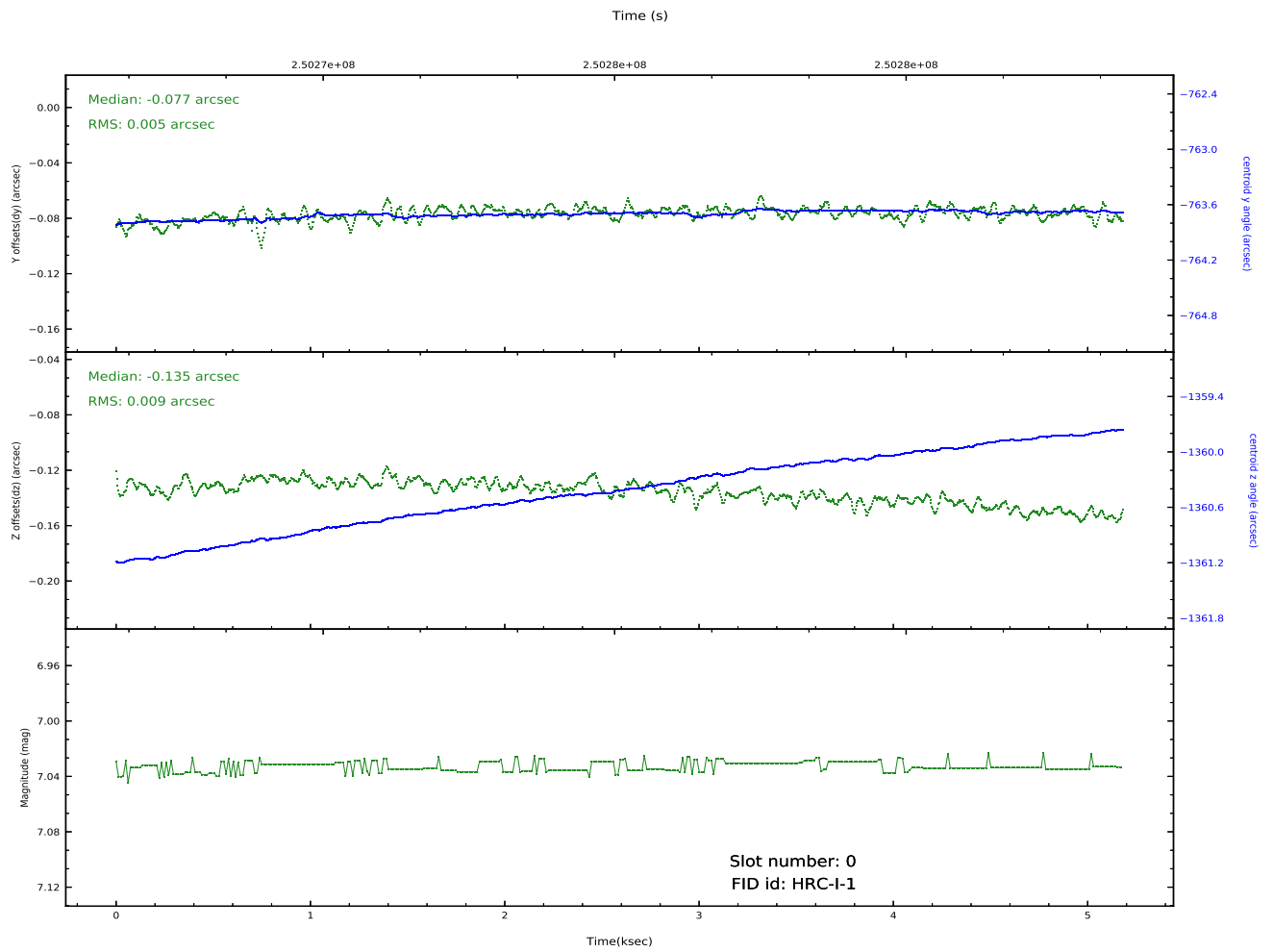
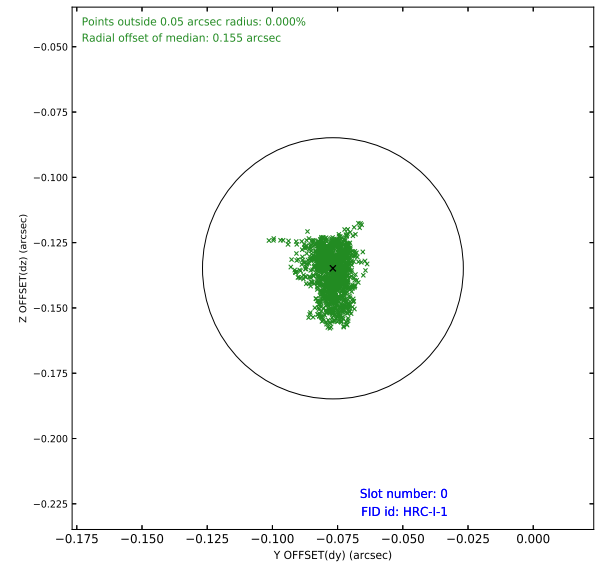
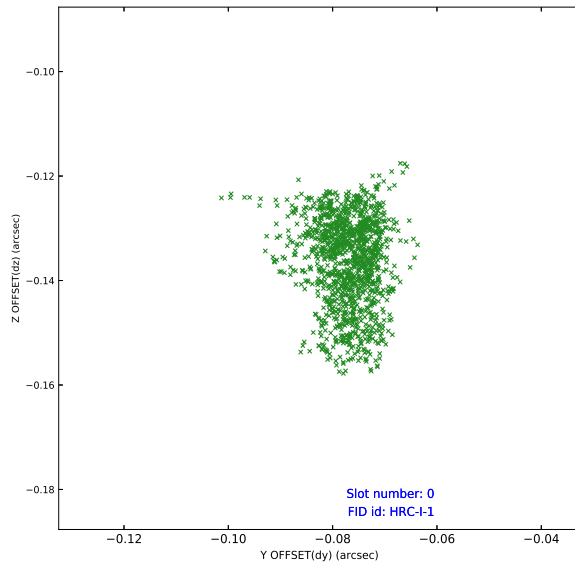


2.4.5 Slot 7

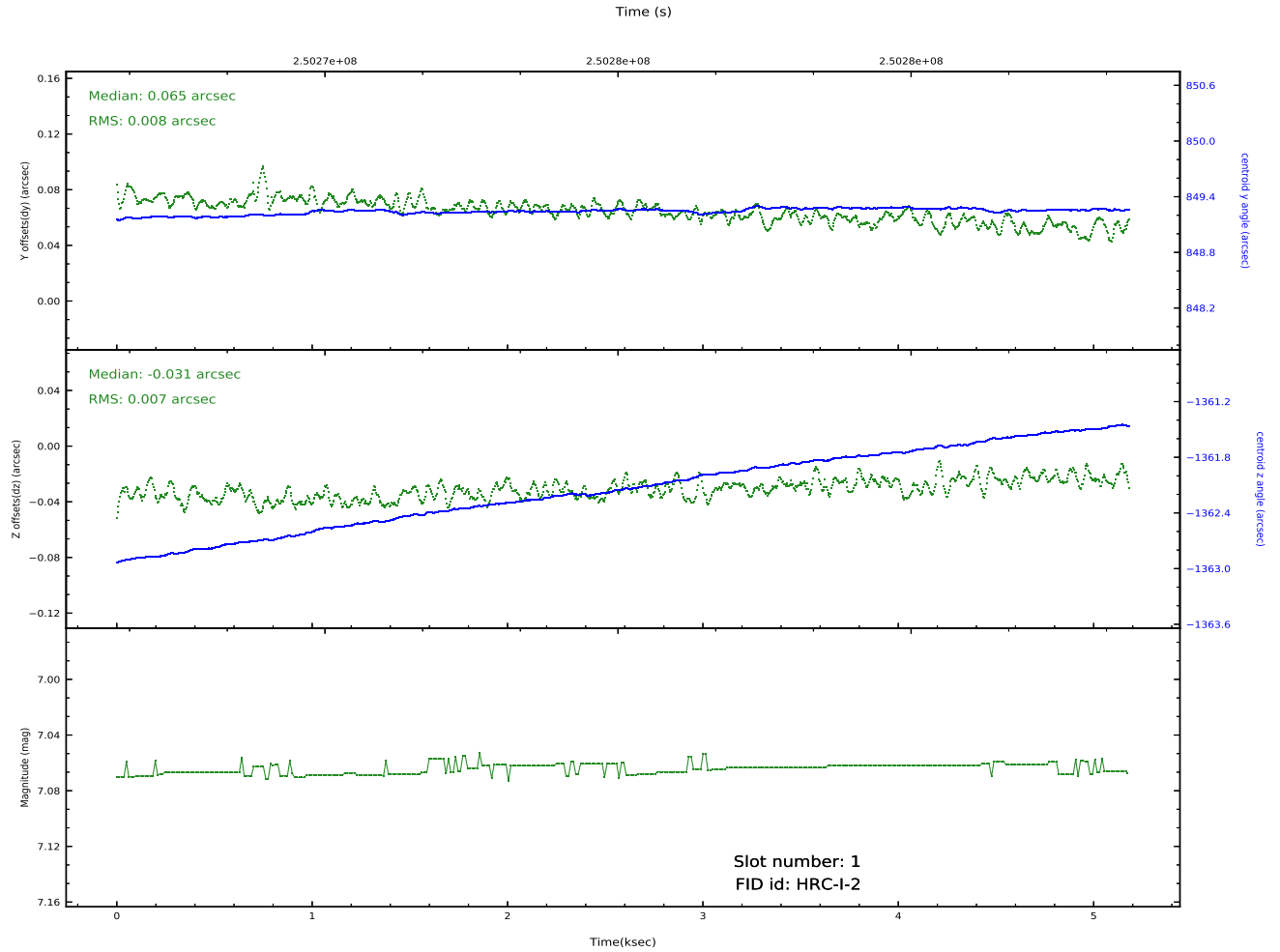
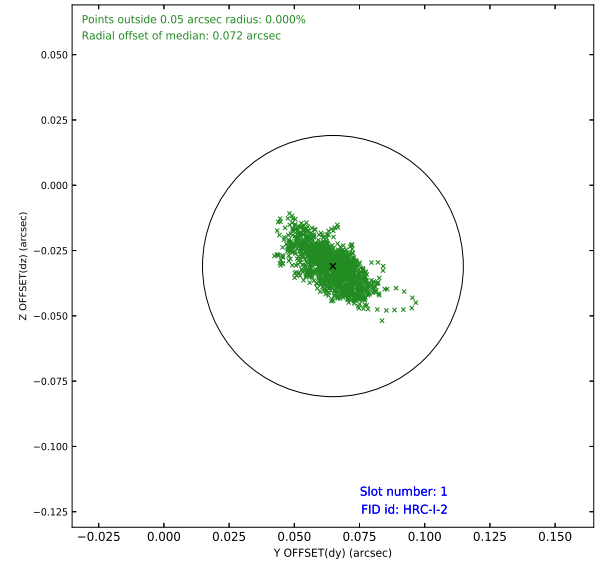
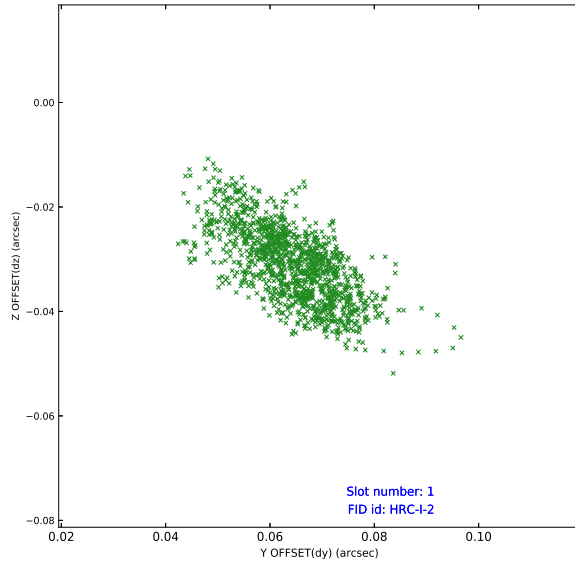


2.5 FID Slots

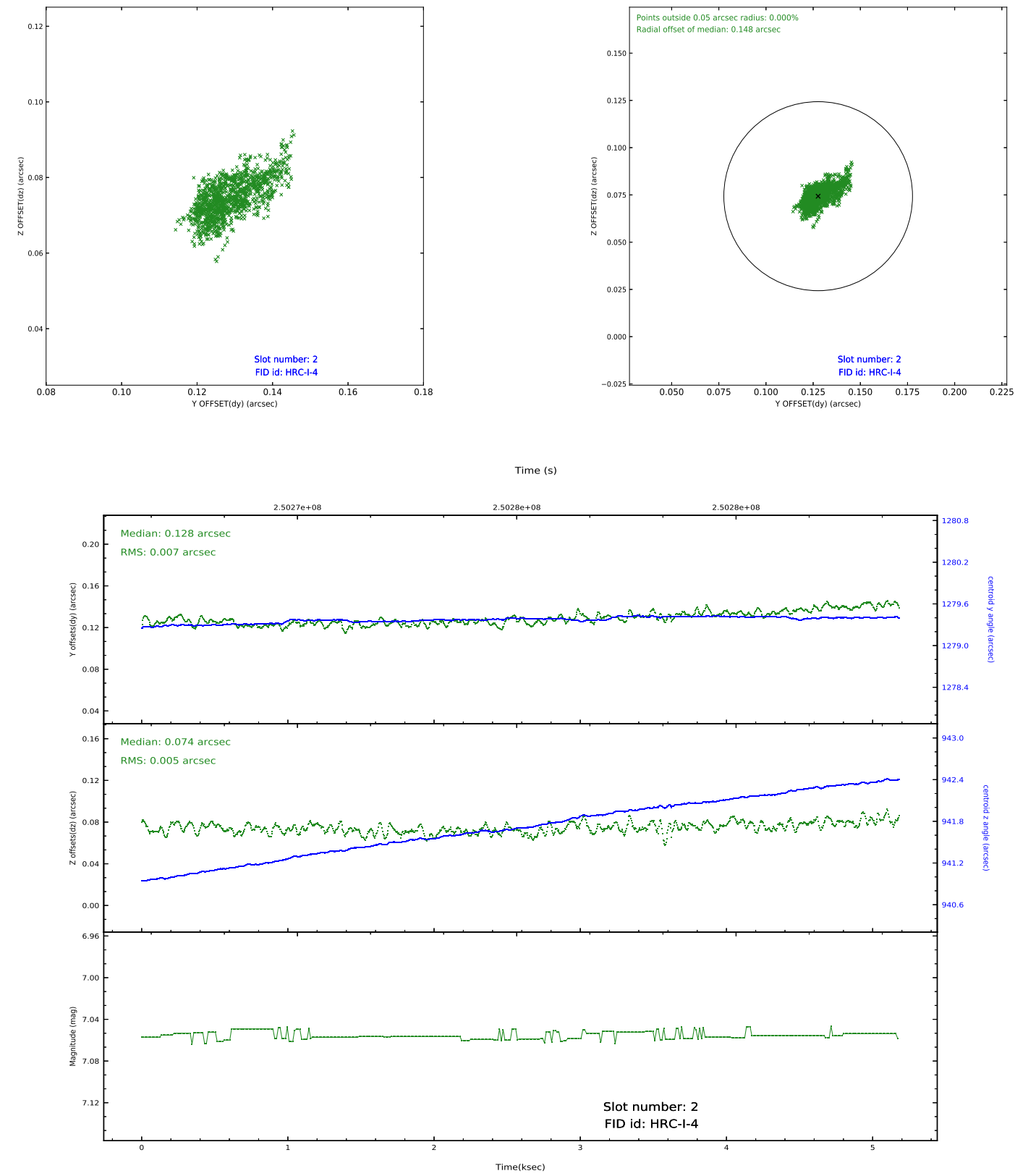
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.185475

A.2 Comments