

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6549 - L2 Version 5
Chandra X-Ray Center

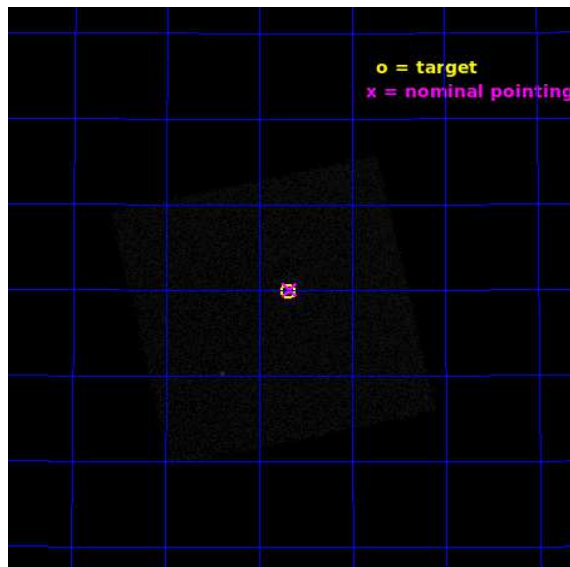
L2 Processing Date : Oct 12 2020

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1 Front

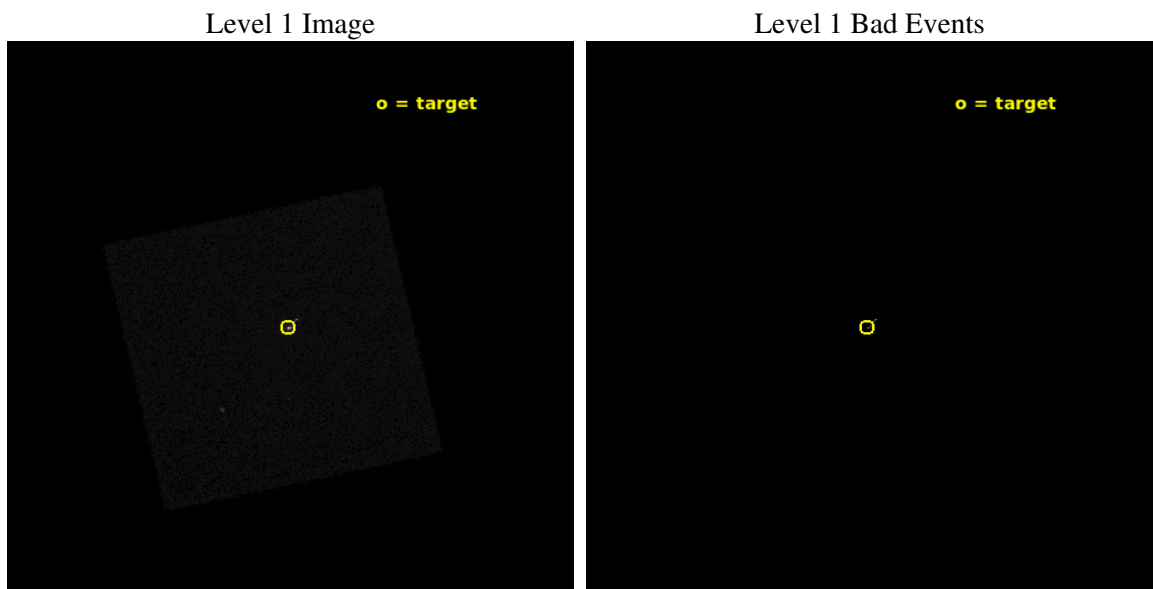
seq_num	290642	Sequence number
obs_id	6549	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.167506970034	Nominal RA [deg]
dec_nom	46.001280424956	Nominal Dec [deg]
roll_nom	212.34661130256	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5187.7814901769	[s]
livetime	5140.5851364977	Ontime multiplied by DTCOR
l2events	325263	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5187.7814901769	[s]
caldsver	4.9.2	 	l1events	525336	Number of level 1 events
date	2020-10-12T06:37:15	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

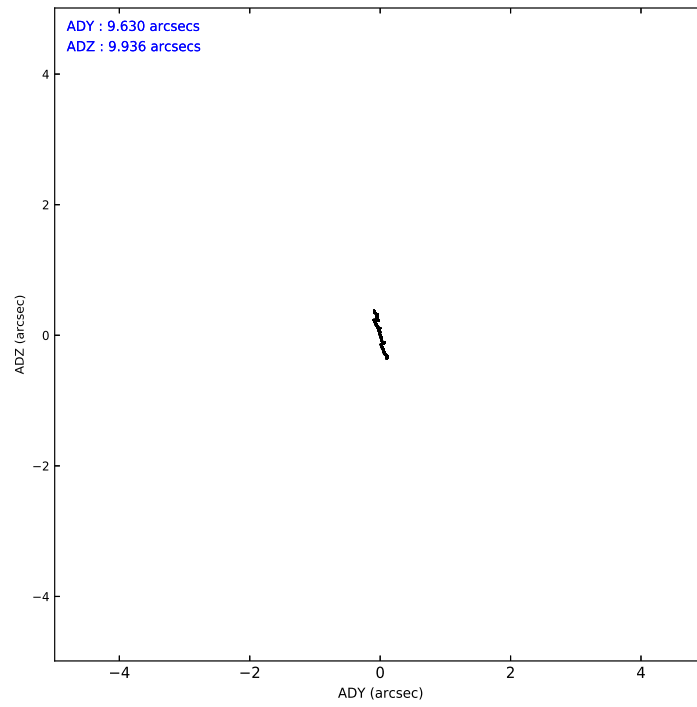
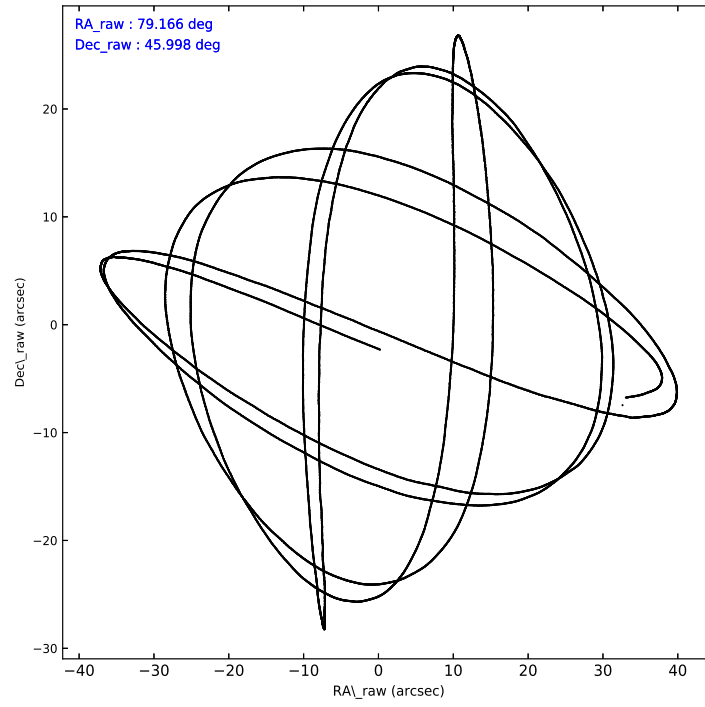
	segment 0
level 1 events	525336
rejected events	92551
rejected %	17%

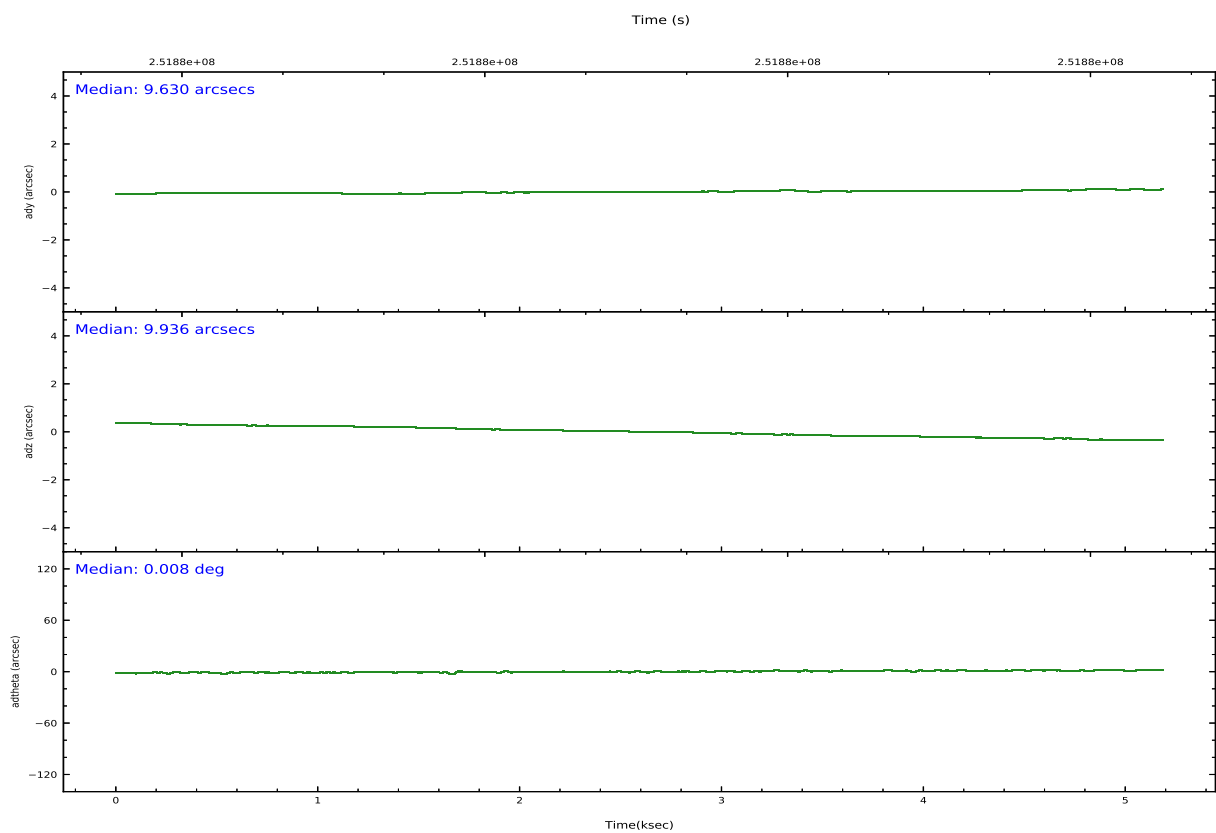
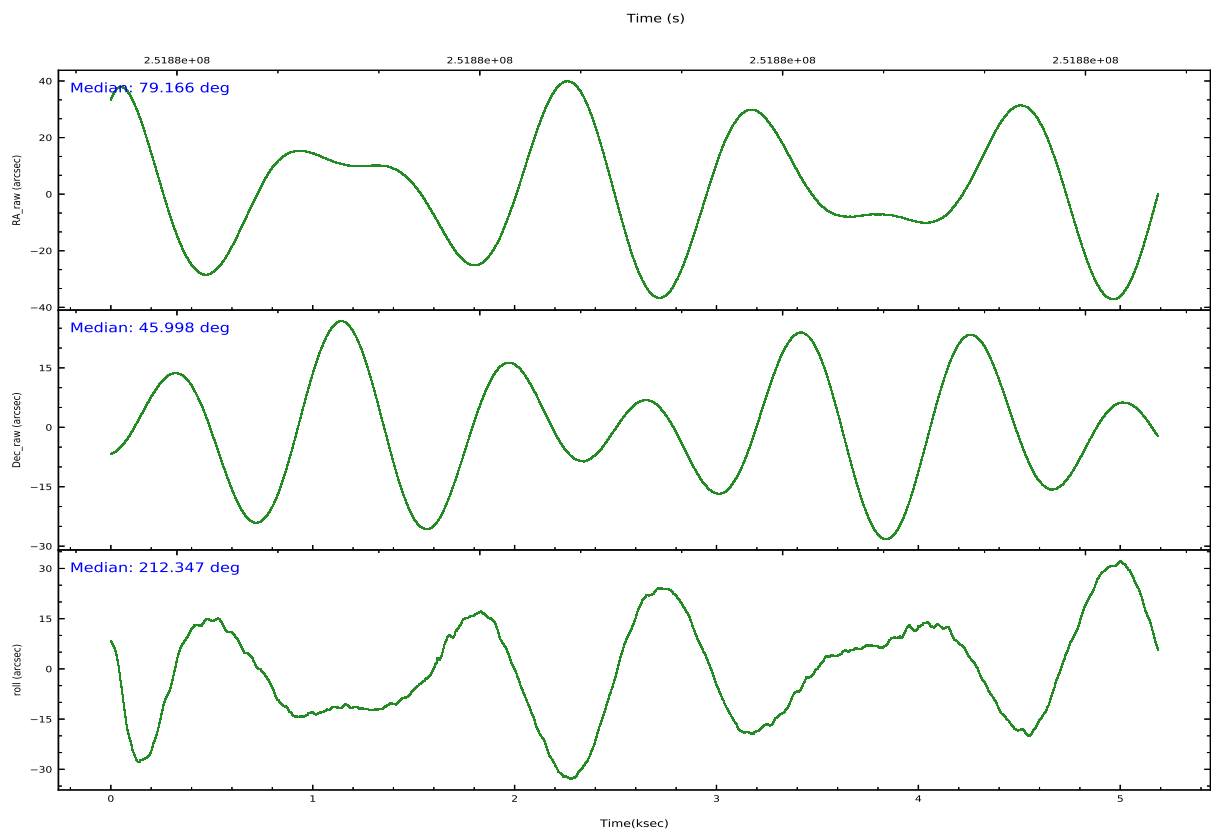
2.2 Compared Parameters

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	79.183879	79.167506970034
[deg] Pointing Dec	46.021600	46.001280424956
[deg] Pointing Roll	212.448730	212.34661130256
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	117.985494	117.9943027869092
[mm] SIM translation stage offset	9	8.991186104692318
[s] Observation start time (MET)	251876360.184000	251874899.96382
Observation start date	2005-12-25T05:38:16	2005-12-25T05:14:59
[s] Observation end time (MET)	251881360.184000	251881493.78912
Observation end date	2005-12-25T07:01:36	2005-12-25T07:04:53

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

2.3 Aspect



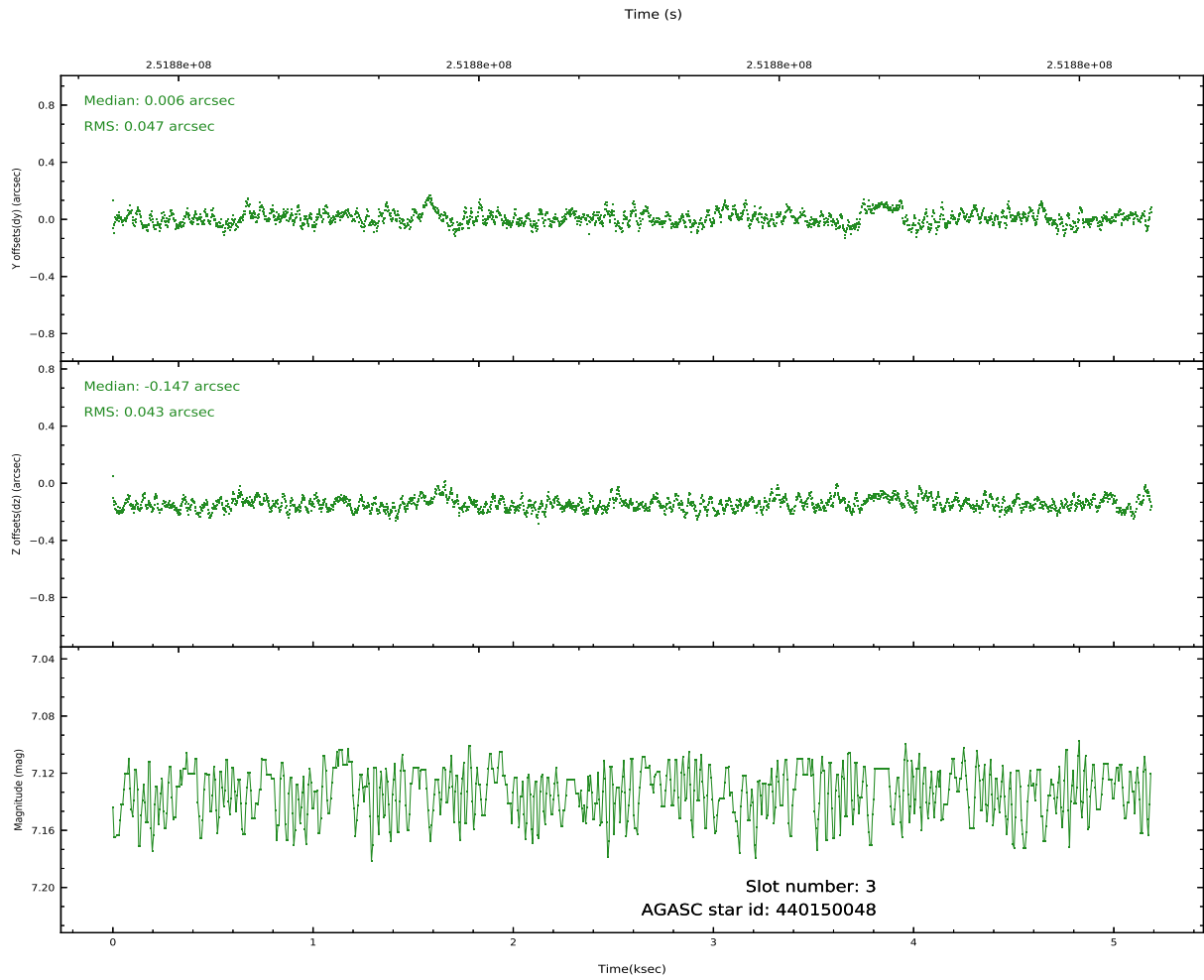
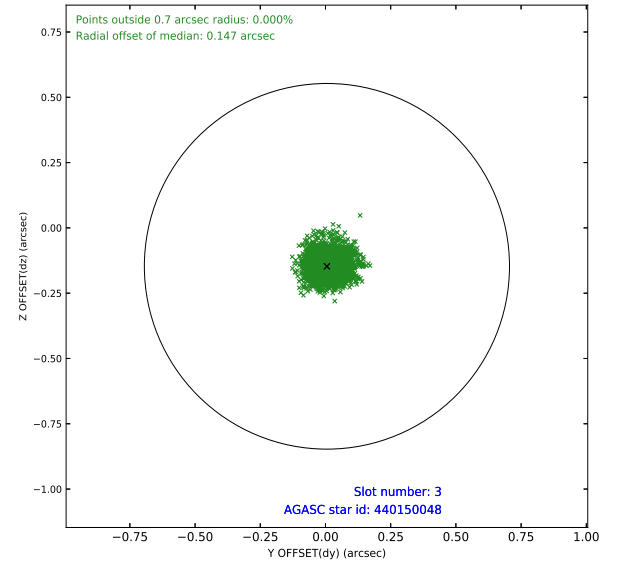
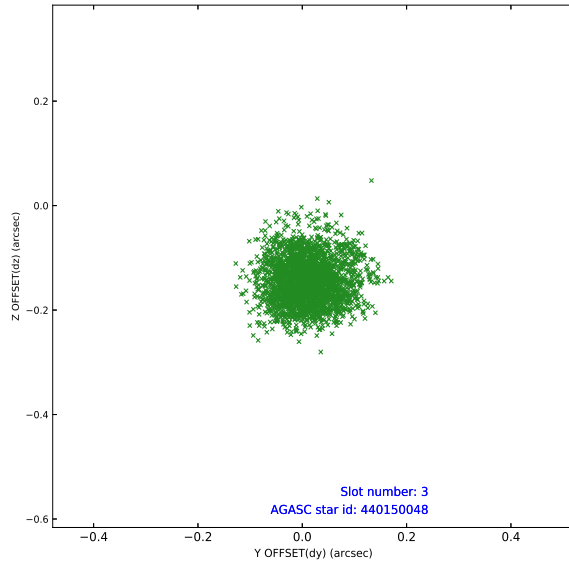


Slot Statistics

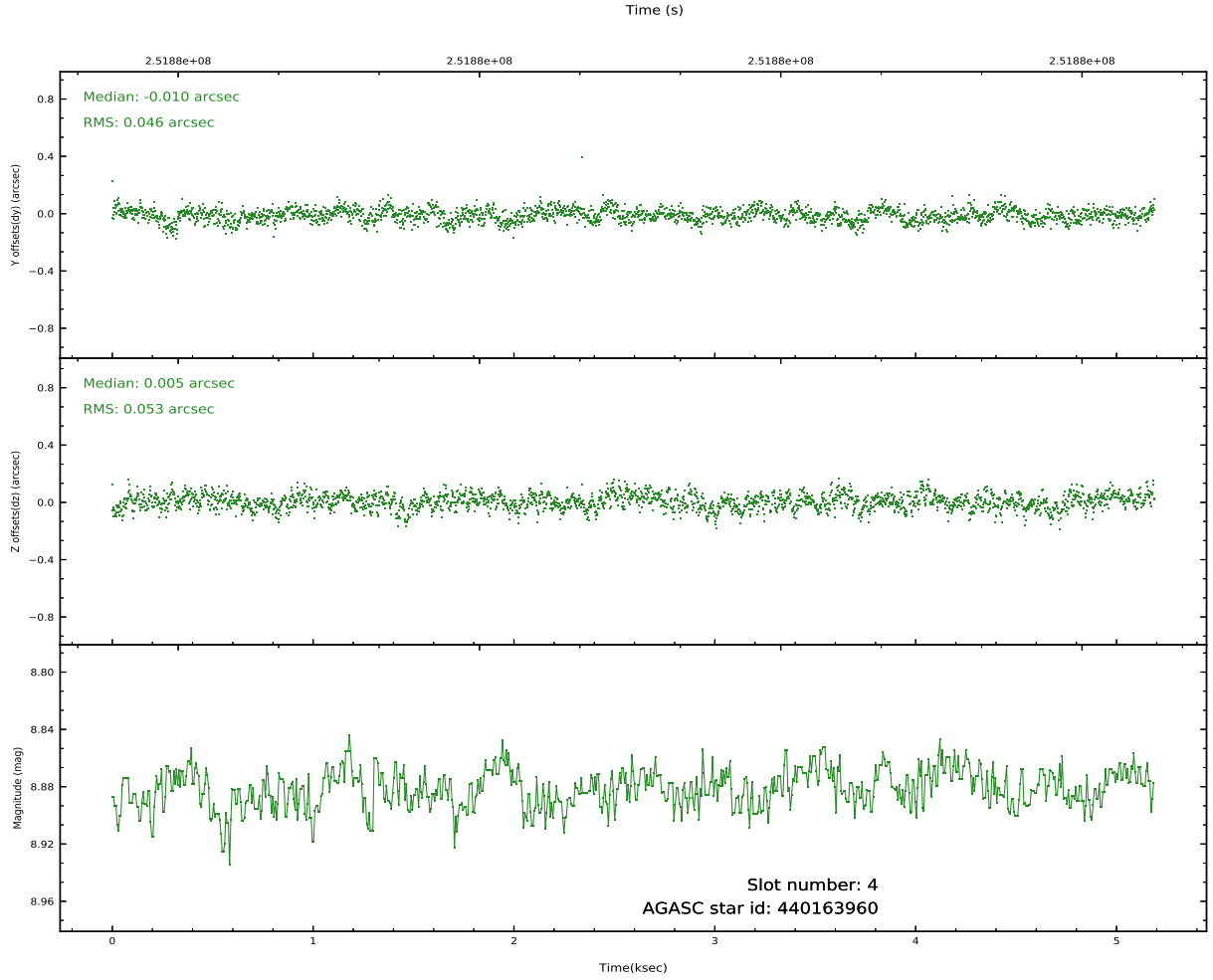
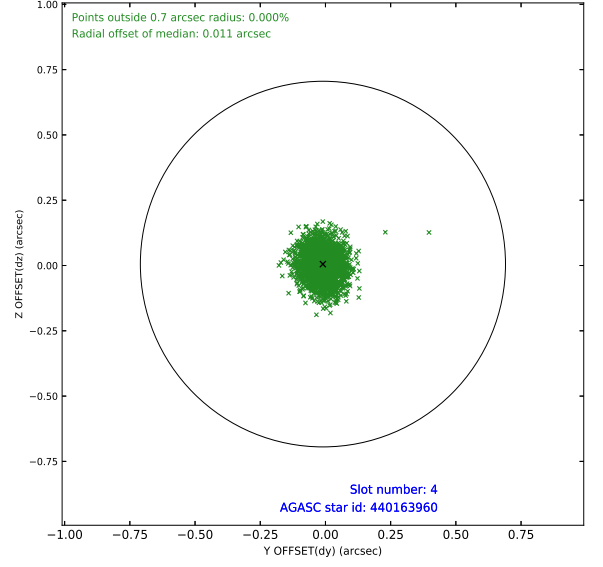
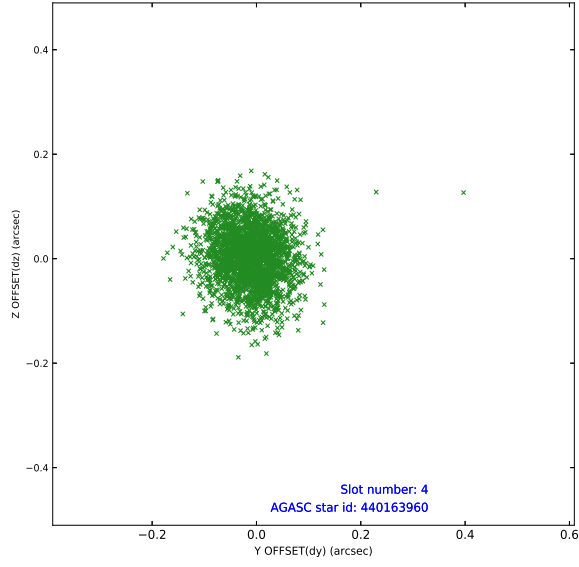
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.02	1266	1.000	-0.044	-0.031	0.010	0.019	0.000000	0.000000	847.14	-1114
1	FID		HRC-I-3	7.05	1266	1.000	-0.023	-0.106	0.008	0.015	0.000000	0.000000	-1193.30	1190
2	FID		HRC-I-4	6.97	1265	1.000	0.184	0.050	0.007	0.013	0.000000	0.000000	1276.57	1190
3	GUIDE	used	440150048	7.13	2532	1.000	0.006	-0.147	0.067	0.112	79.112838	46.416060	-613.13	-1292
4	GUIDE	used	440163960	8.88	2529	1.000	-0.010	0.005	0.074	0.123	79.298370	45.827072	132.53	745
5	GUIDE	used	440164960	8.31	2532	1.000	0.114	-0.018	0.068	0.109	79.132526	46.140947	-122.27	-430
6	GUIDE	used	438441368	9.98	2529	1.000	-0.080	0.272	0.159	0.273	78.646413	46.420494	352.69	-1930
7	GUIDE	used	438450792	8.81	2530	1.000	-0.027	-0.108	0.090	0.144	78.654240	46.382628	410.82	-1805

2.4 Star Slots

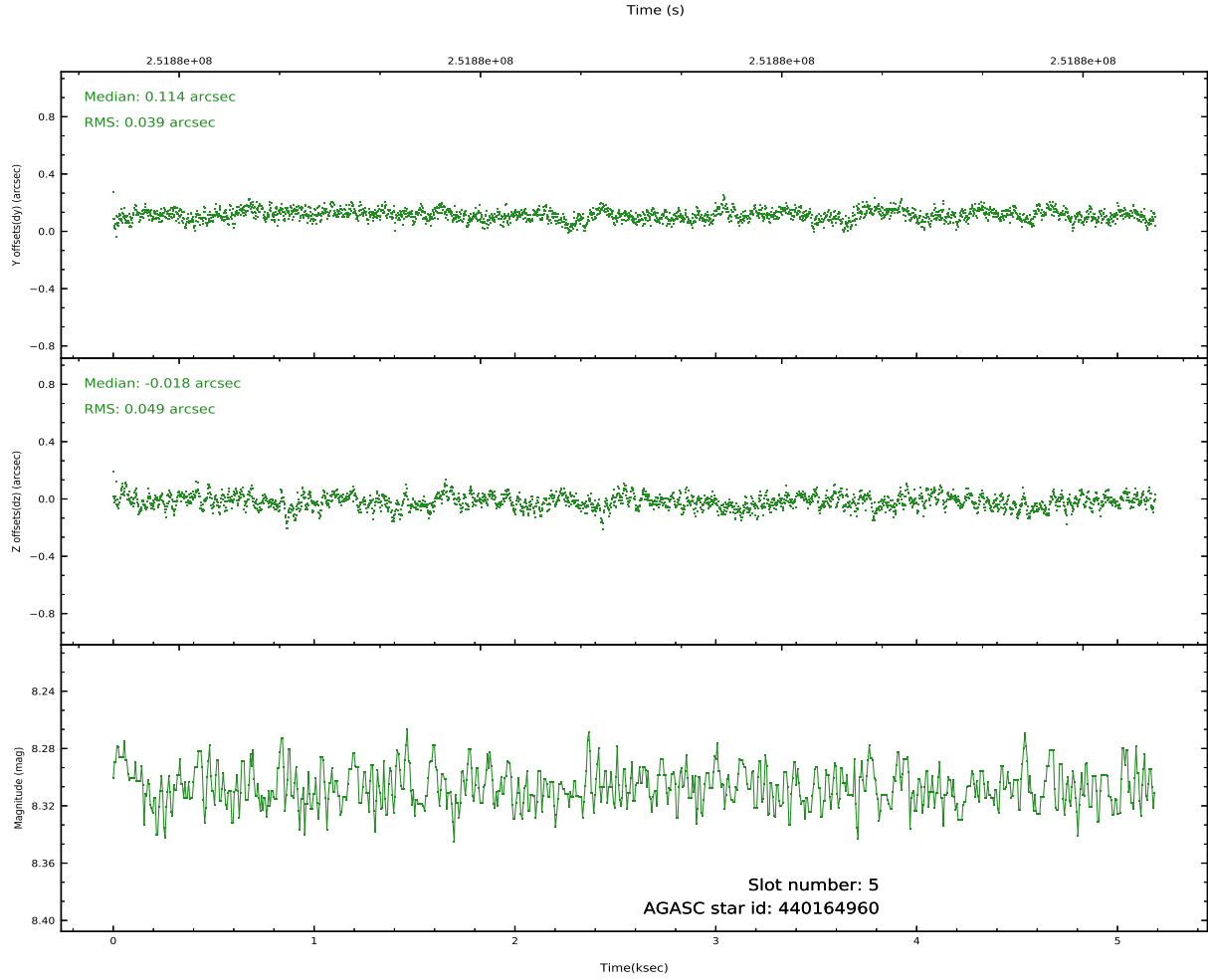
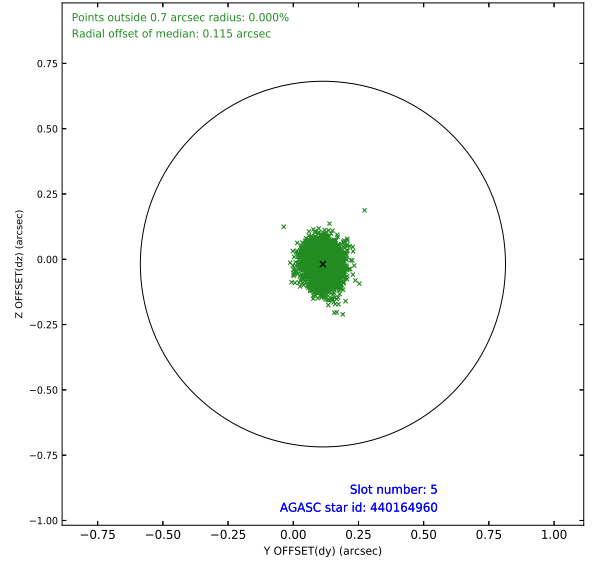
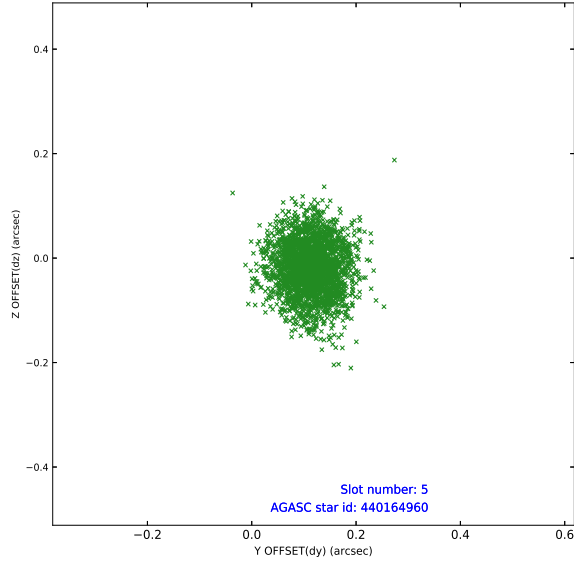
2.4.1 Slot 3



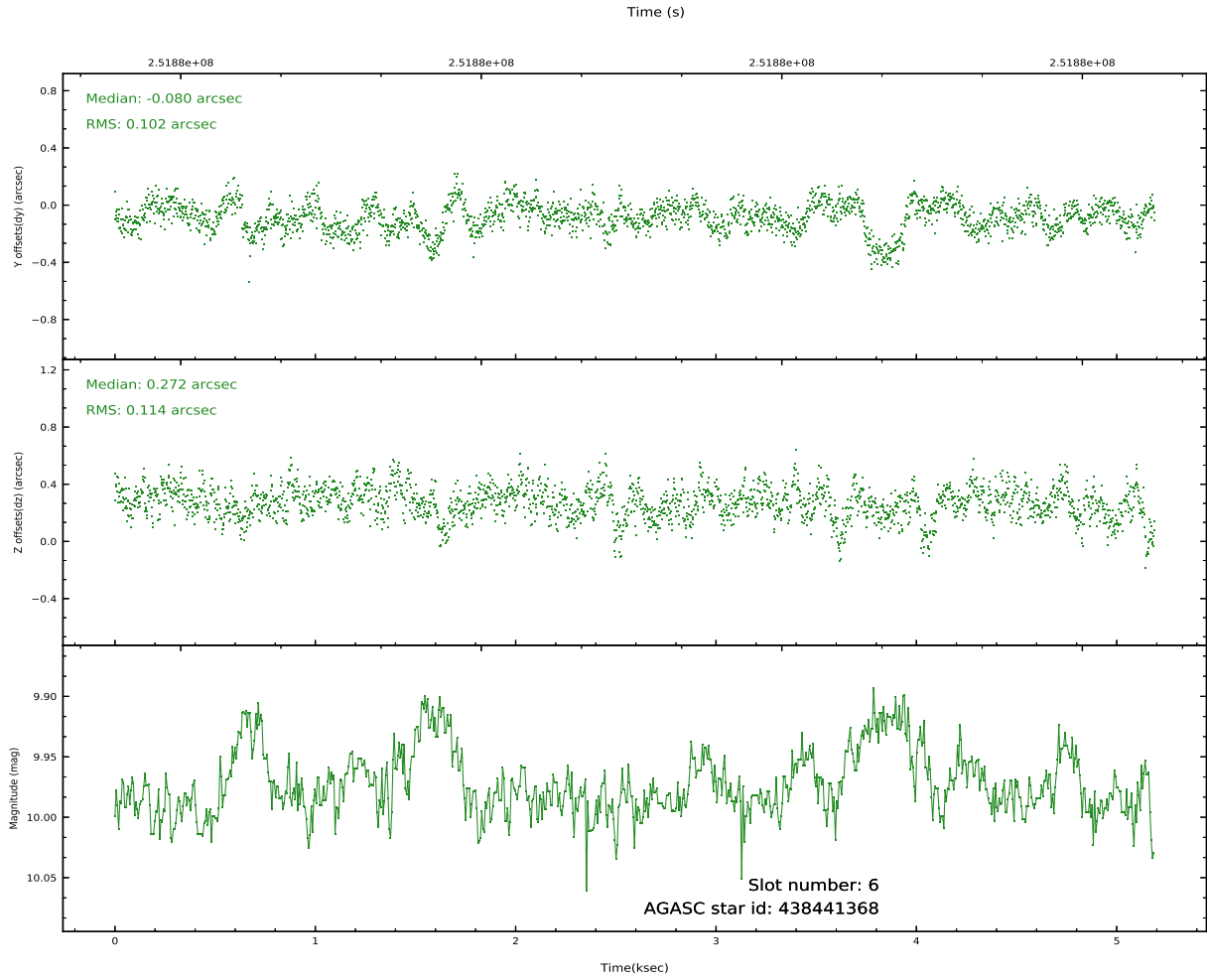
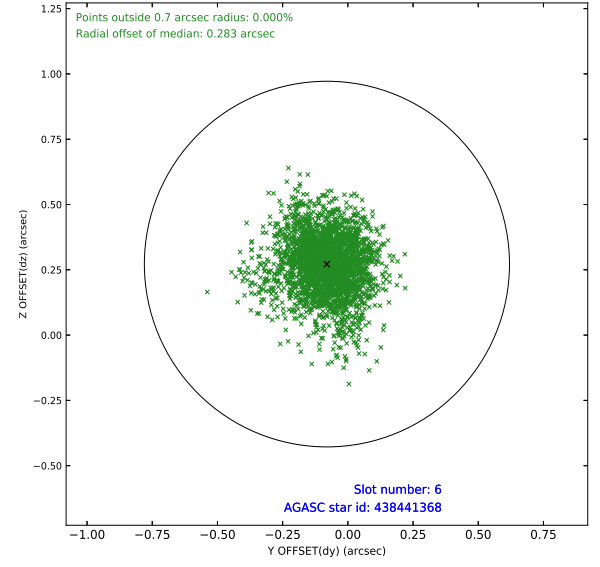
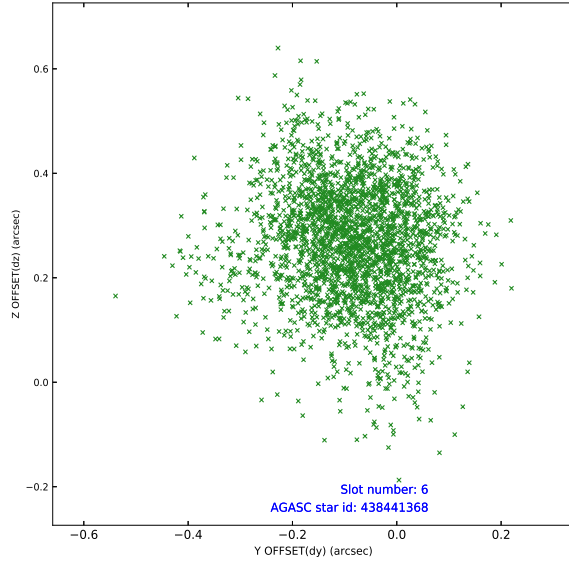
2.4.2 Slot 4



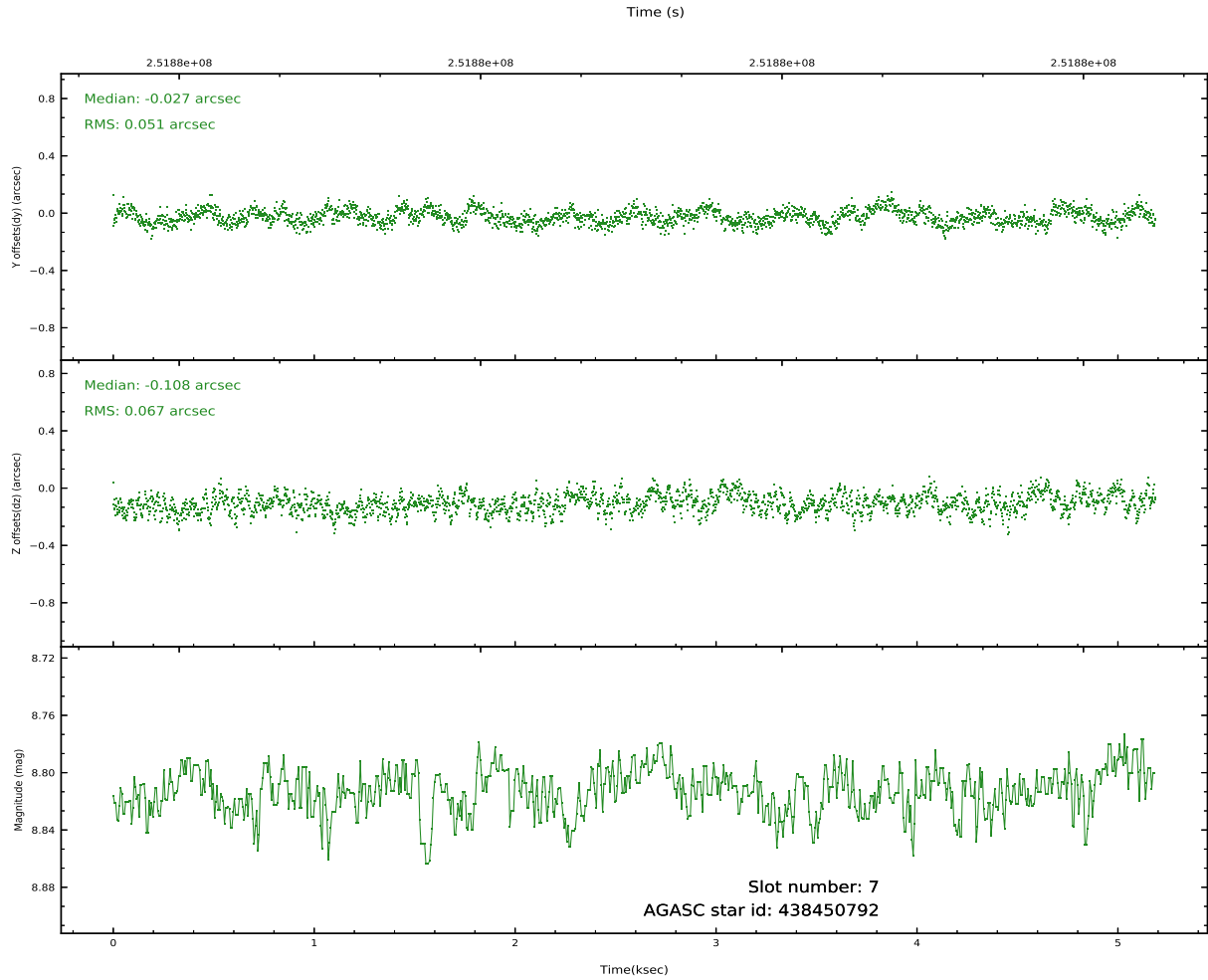
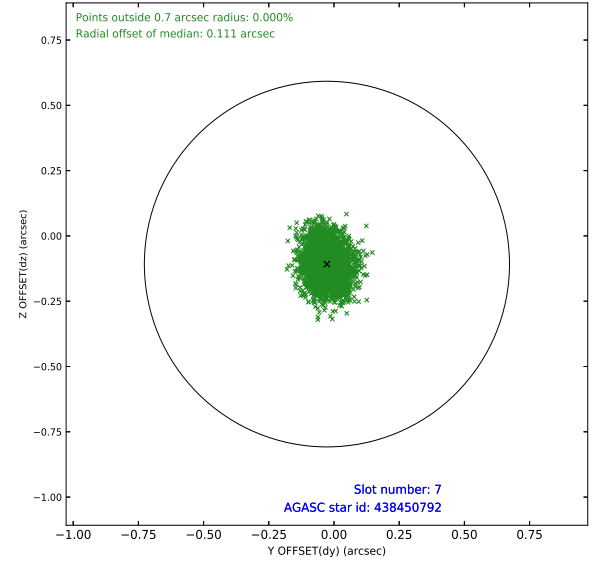
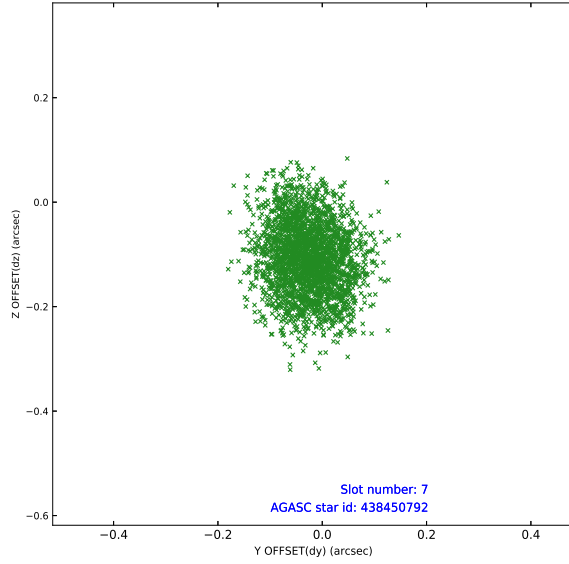
2.4.3 Slot 5



2.4.4 Slot 6

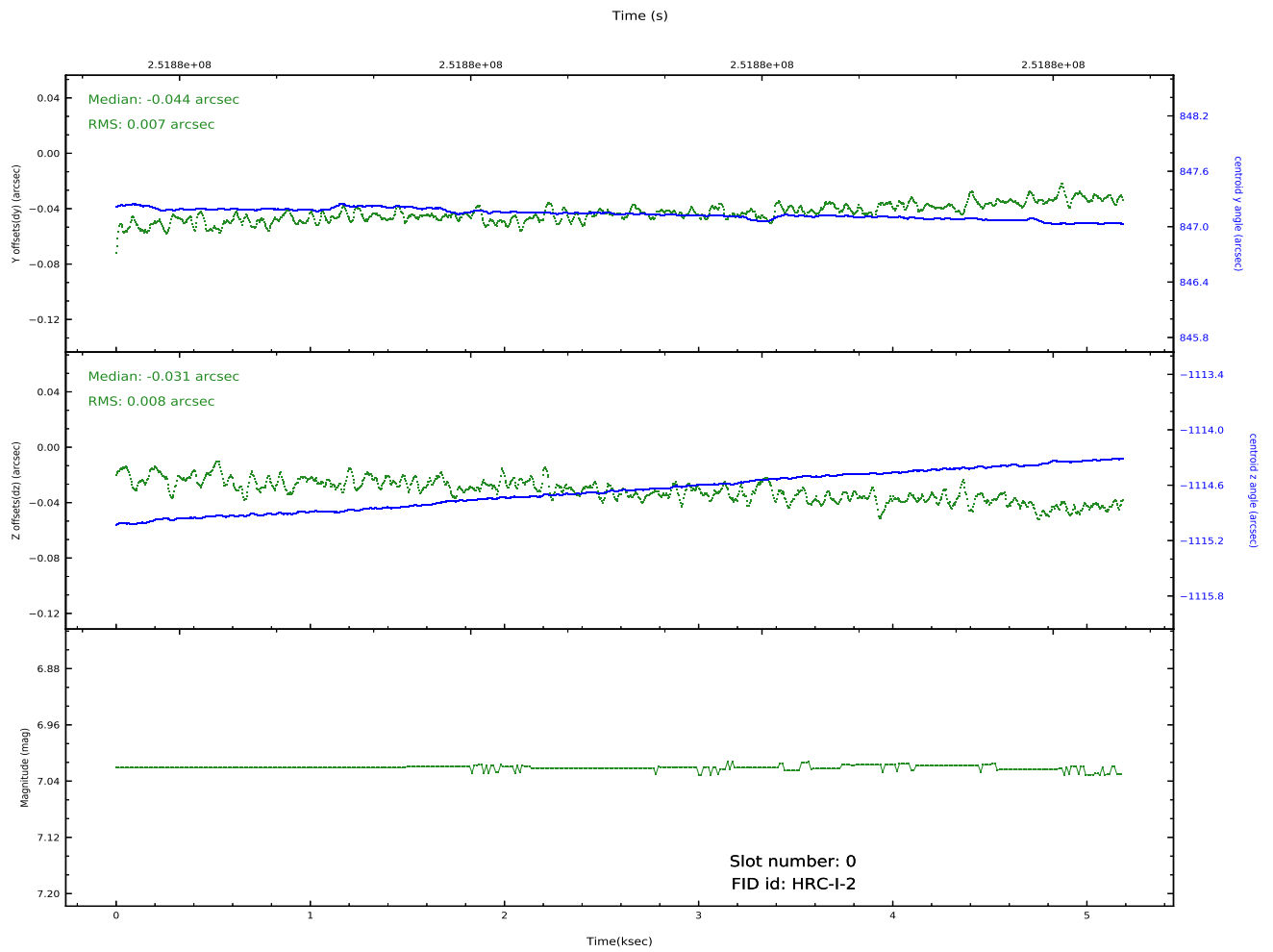
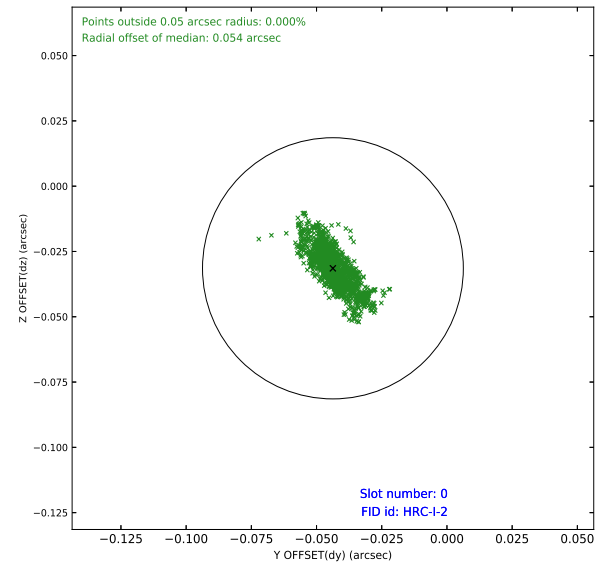
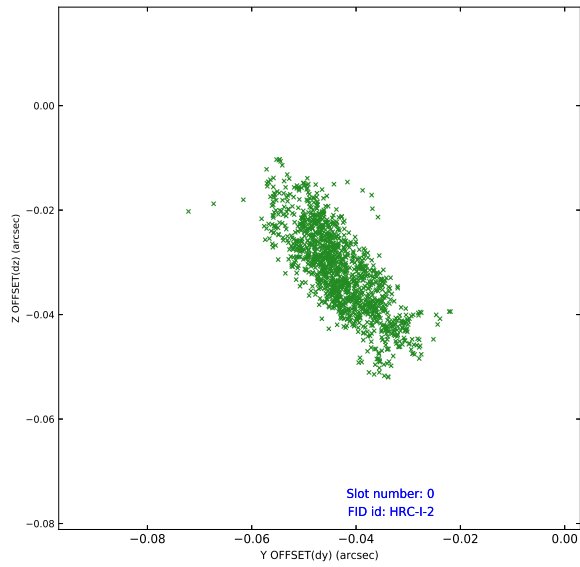


2.4.5 Slot 7

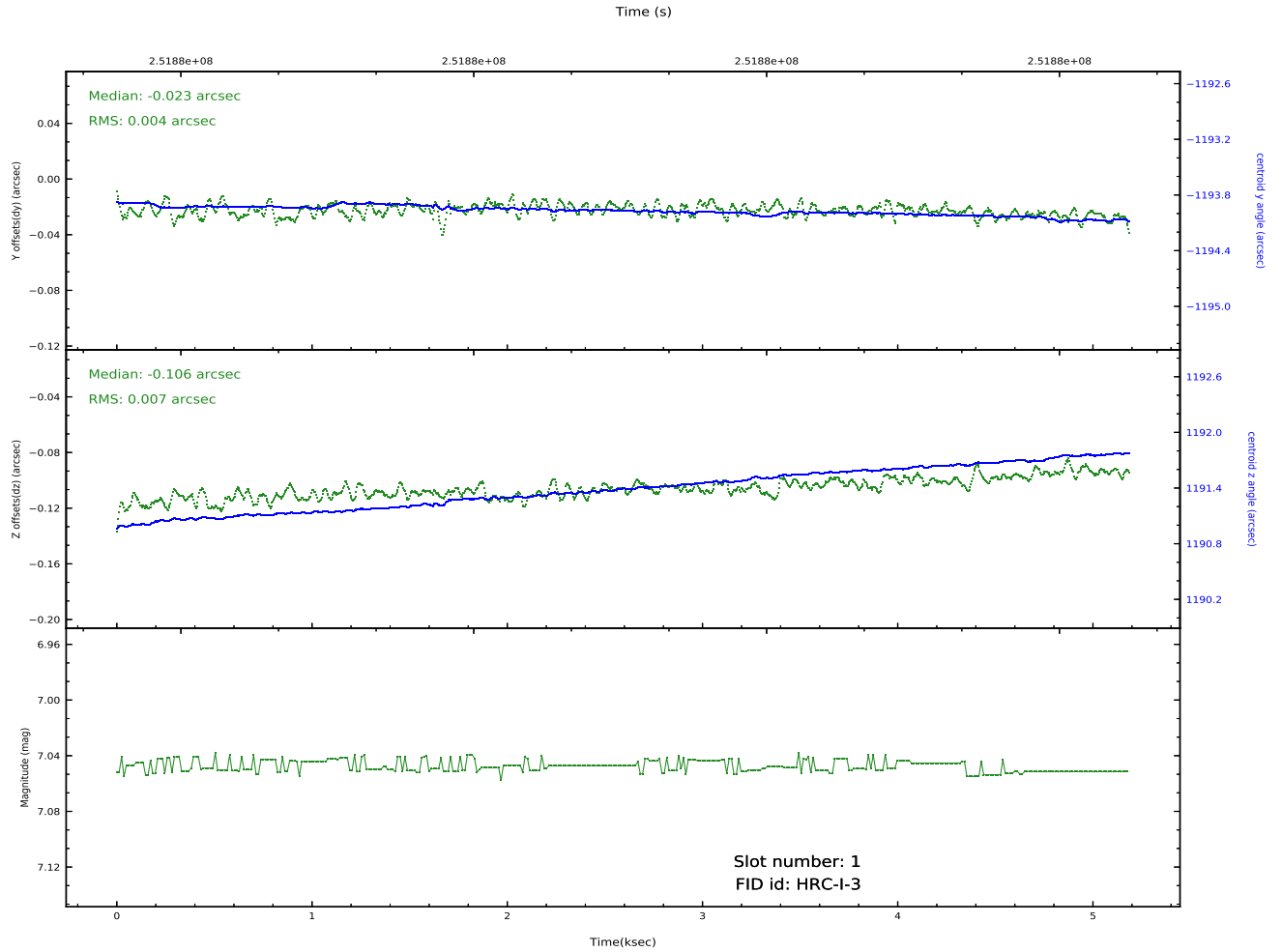
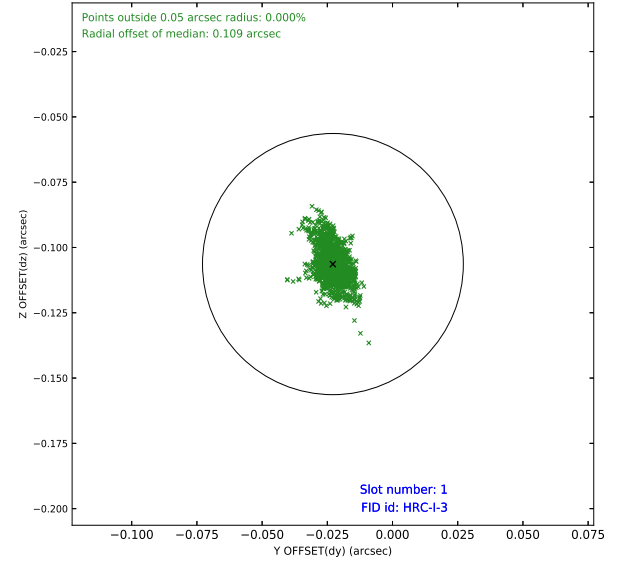
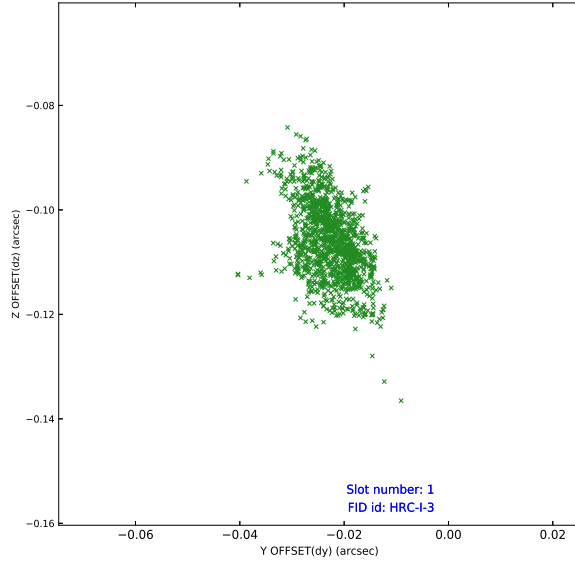


2.5 FID Slots

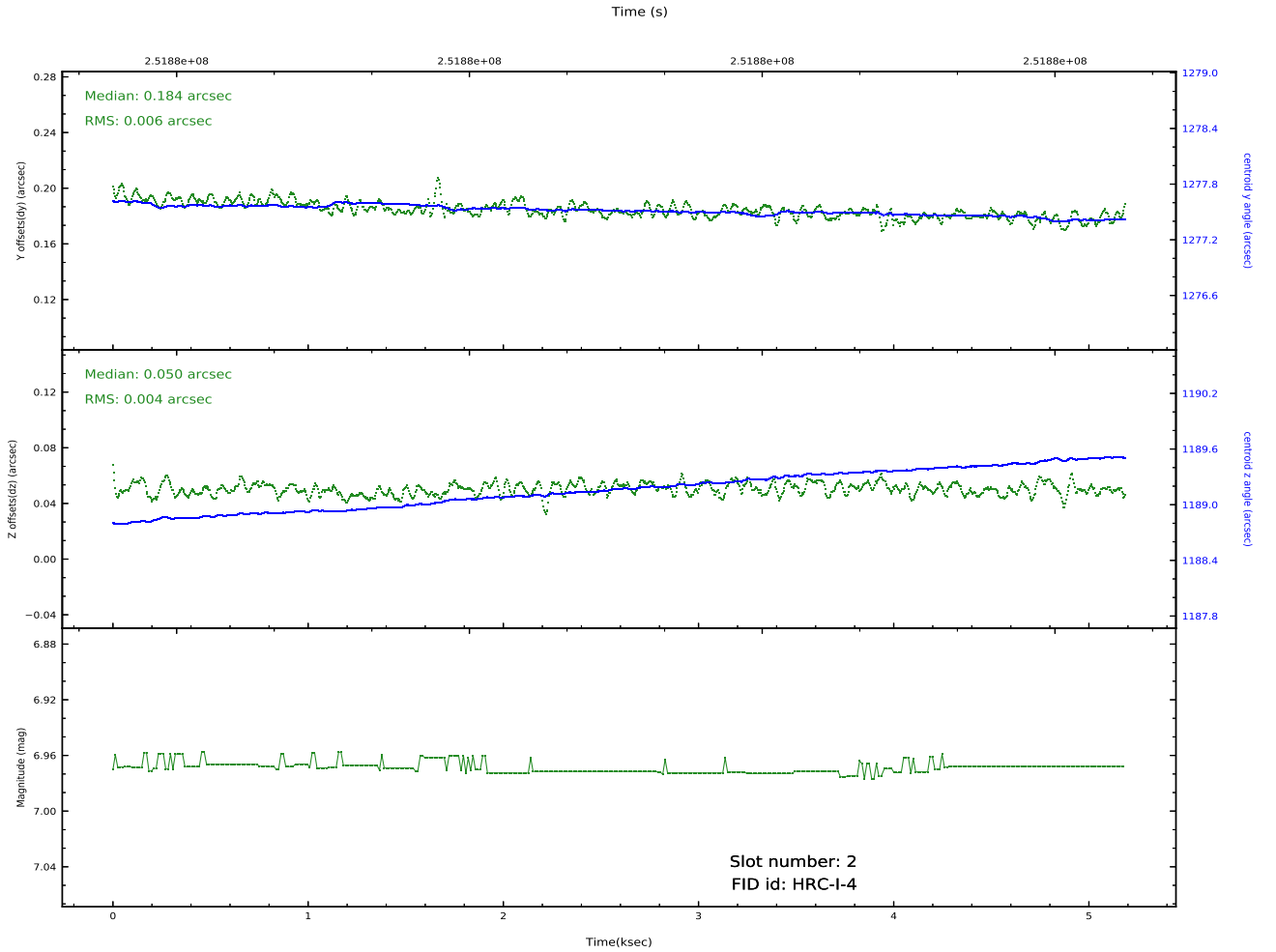
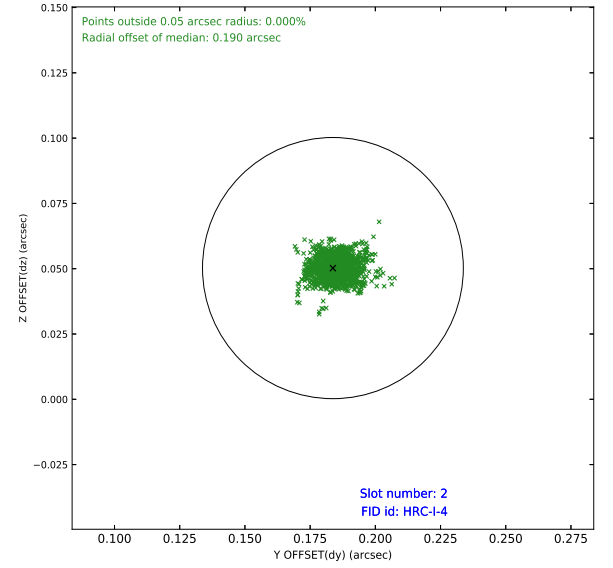
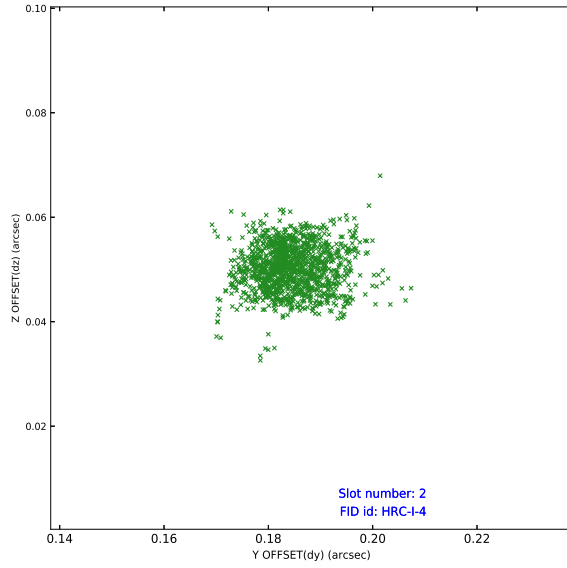
2.5.1 Slot 0



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	5.187525

A.2 Comments