

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6551 - L2 Version 5
Chandra X-Ray Center

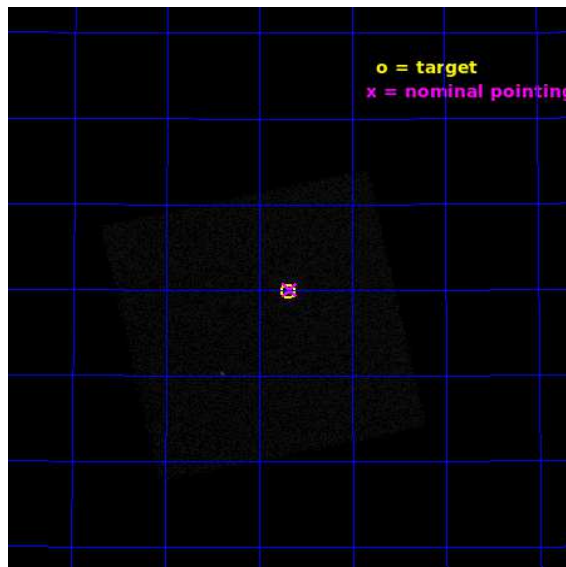
L2 Processing Date : Oct 12 2020

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1 Front

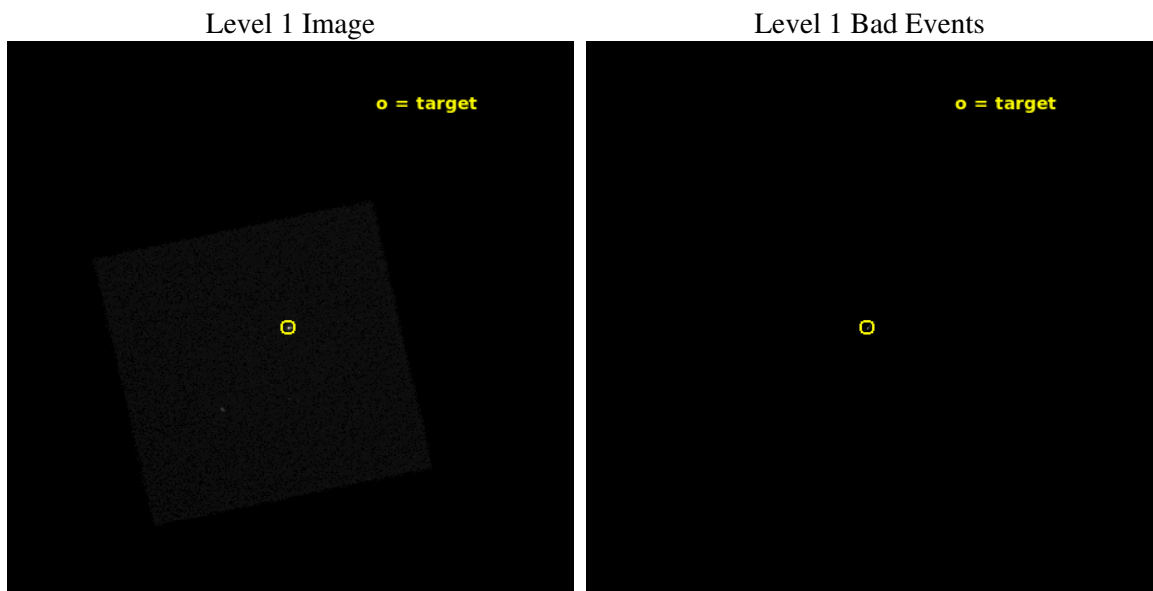
seq_num	290644	Sequence number
obs_id	6551	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.16798248318	Nominal RA [deg]
dec_nom	46.000906898432	Nominal Dec [deg]
roll_nom	212.67264368988	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5189.831490308	[s]
livetime	5142.8520515642	Ontime multiplied by DTCOR
l2events	323489	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	5189.831490308	[s]
caldbver	4.9.2	 	l1events	456431	Number of level 1 events
date	2020-10-12T06:44:39	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

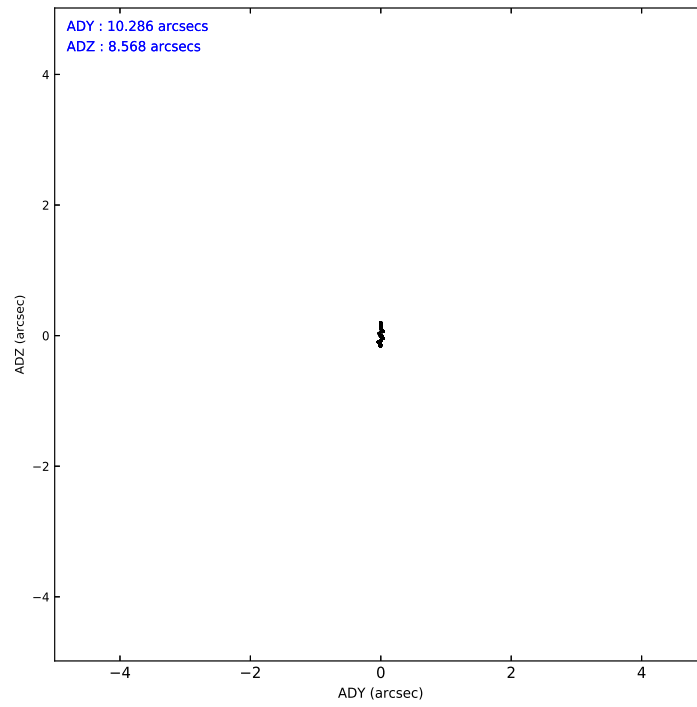
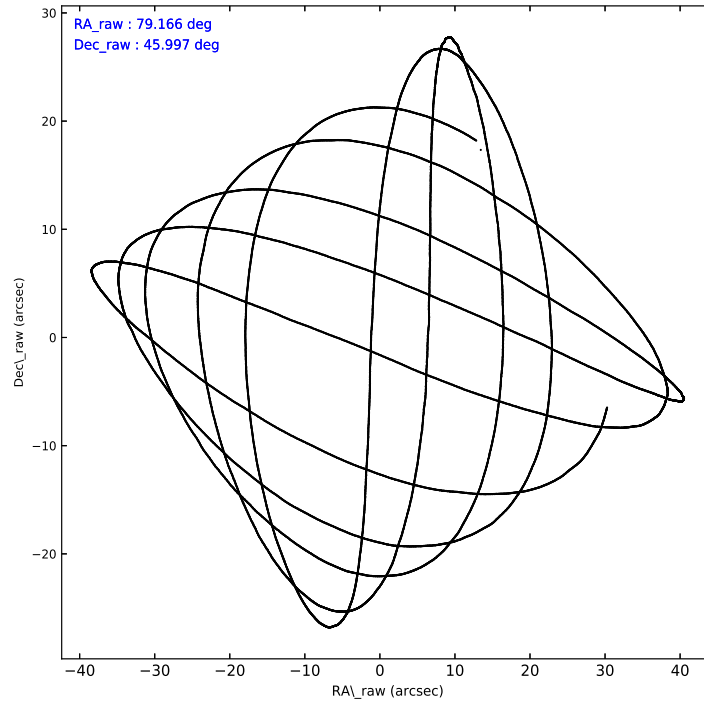
	segment 0
level 1 events	456431
rejected events	26242
rejected %	5%

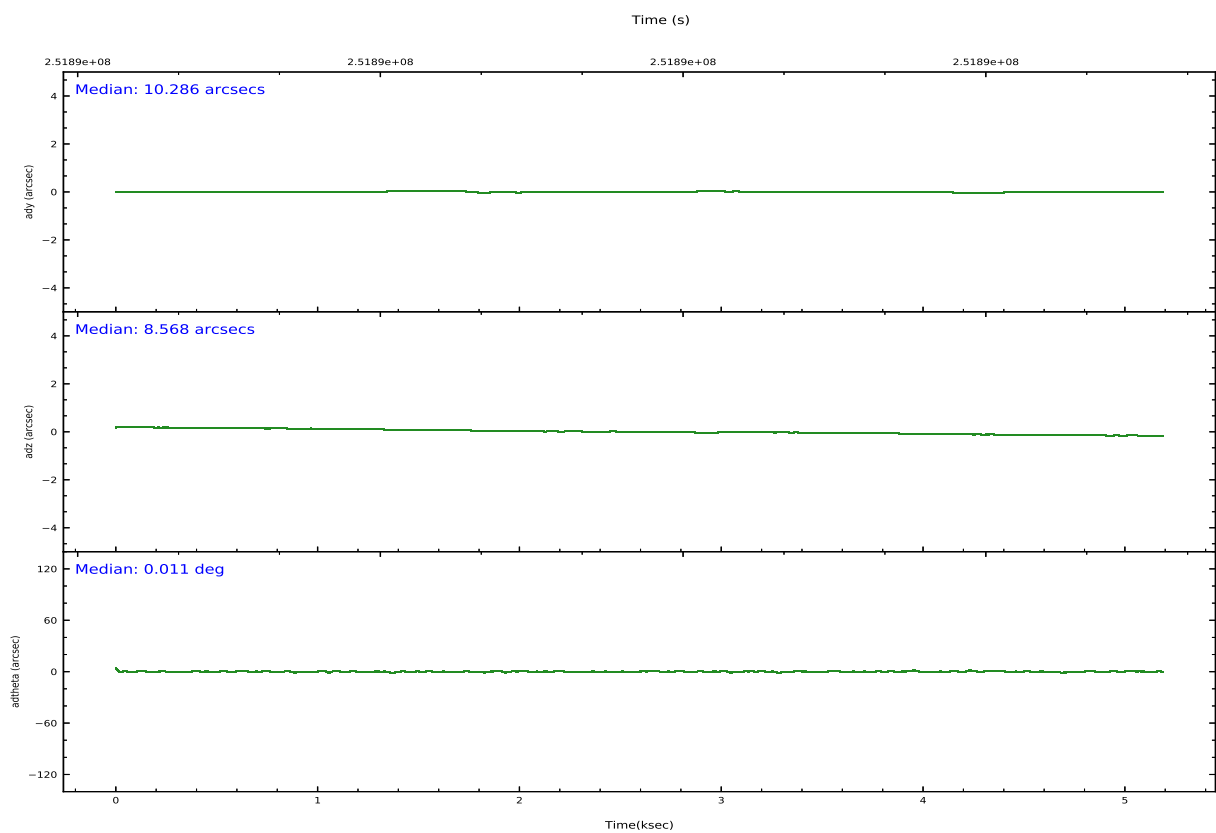
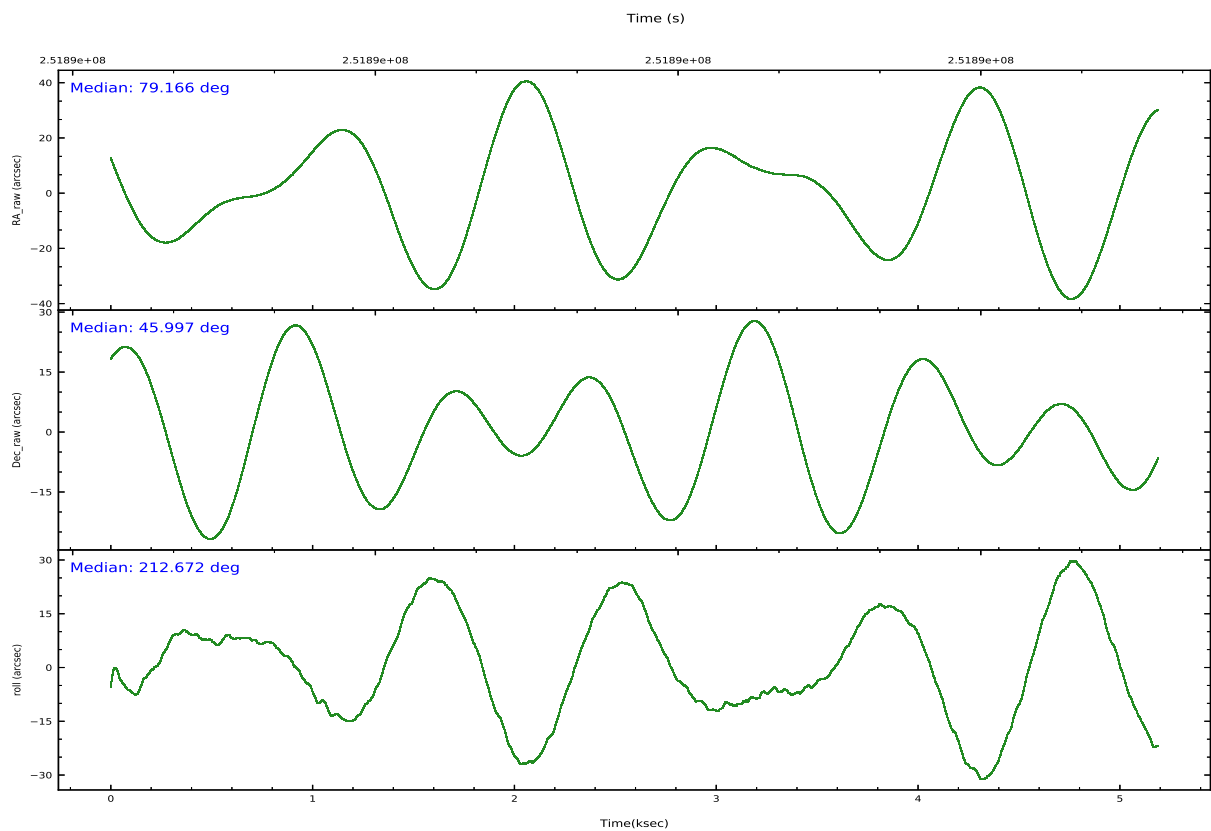
2.2 Compared Parameters

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	79.183688	79.16798248318
[deg] Pointing Dec	46.021632	46.000906898432
[deg] Pointing Roll	212.776775	212.67264368988
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	111.985494	111.9800605855777
[mm] SIM translation stage offset	15	15.00542830602384
[s] Observation start time (MET)	251887380.184000	251887003.67688
Observation start date	2005-12-25T08:41:56	2005-12-25T08:36:43
[s] Observation end time (MET)	251892380.184000	251892513.56463
Observation end date	2005-12-25T10:05:16	2005-12-25T10:08:33

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

2.3 Aspect



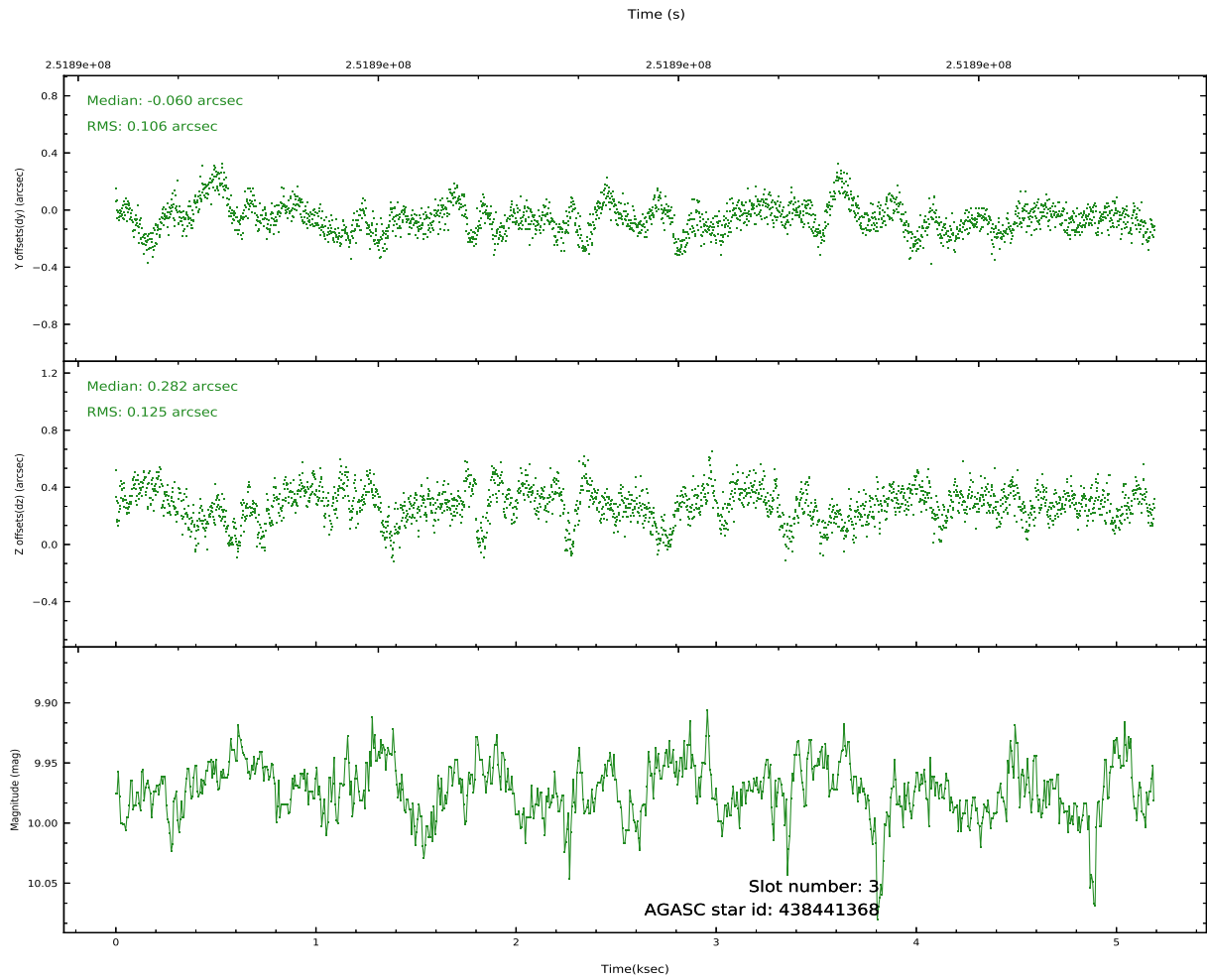
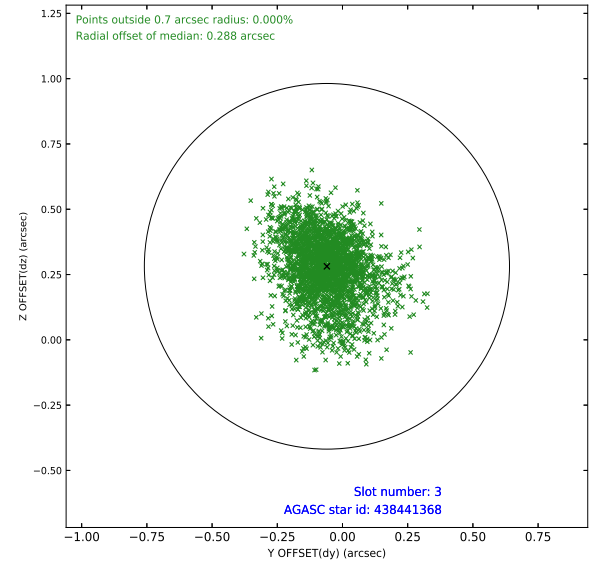
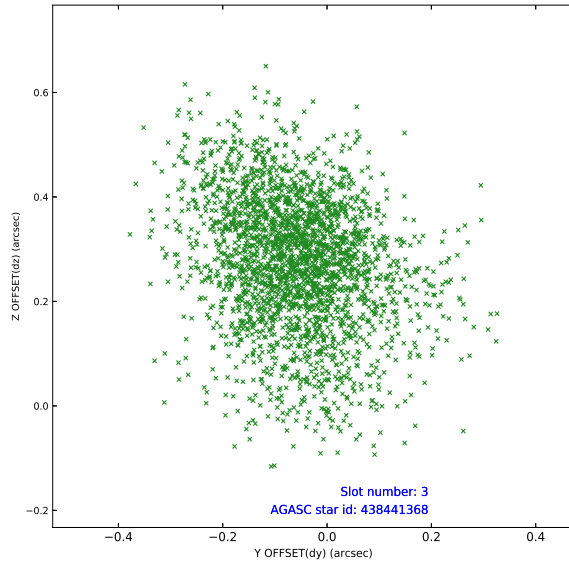


Slot Statistics

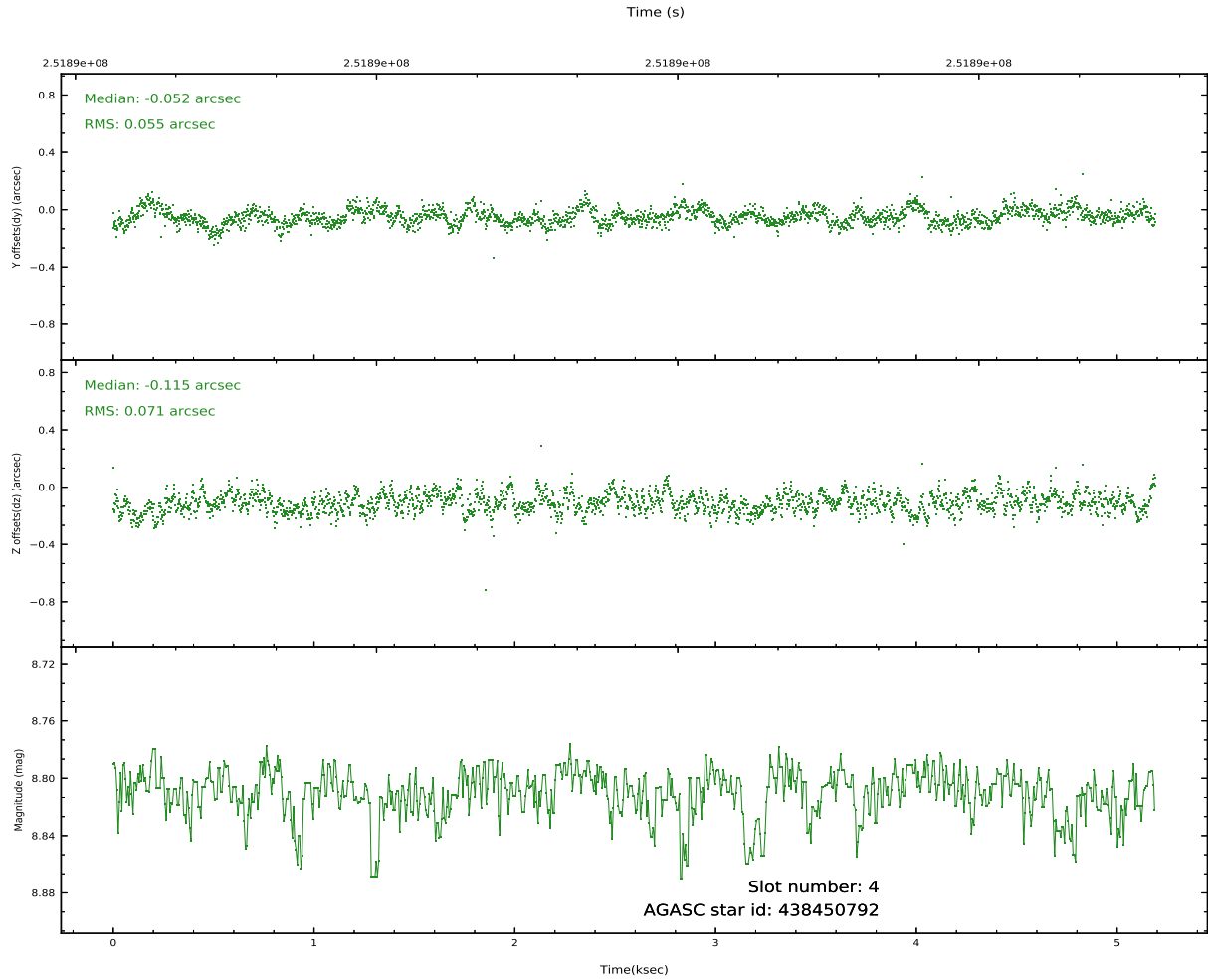
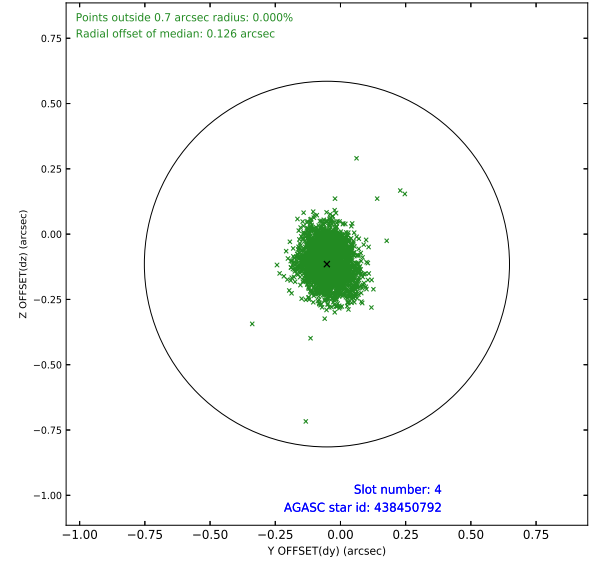
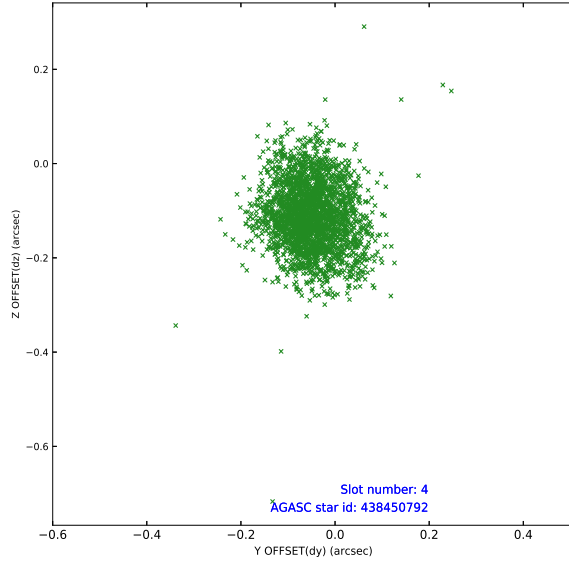
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.96	1266	1.000	-0.059	0.227	0.009	0.015	0.000000	0.000000	-765.48	-989
1	FID		HRC-I-2	7.02	1266	1.000	0.089	-0.028	0.007	0.012	0.000000	0.000000	845.83	-990
2	FID		HRC-I-3	7.05	1266	1.000	0.089	-0.286	0.007	0.014	0.000000	0.000000	-1193.92	1315
3	GUIDE	used	438441368	9.97	2528	1.000	-0.060	0.282	0.170	0.297	78.646413	46.420494	341.07	-1932
4	GUIDE	used	438450792	8.81	2528	1.000	-0.052	-0.115	0.095	0.155	78.654240	46.382628	399.79	-1807
5	GUIDE	used	440150048	7.13	2533	1.000	0.000	-0.154	0.073	0.118	79.112838	46.416060	-621.01	-1289
6	GUIDE	used	440163960	8.88	2532	1.000	-0.008	0.013	0.080	0.129	79.298370	45.827072	136.18	744
7	GUIDE	used	440164960	8.31	2532	1.000	0.114	-0.025	0.080	0.128	79.132526	46.140947	-125.37	-429

2.4 Star Slots

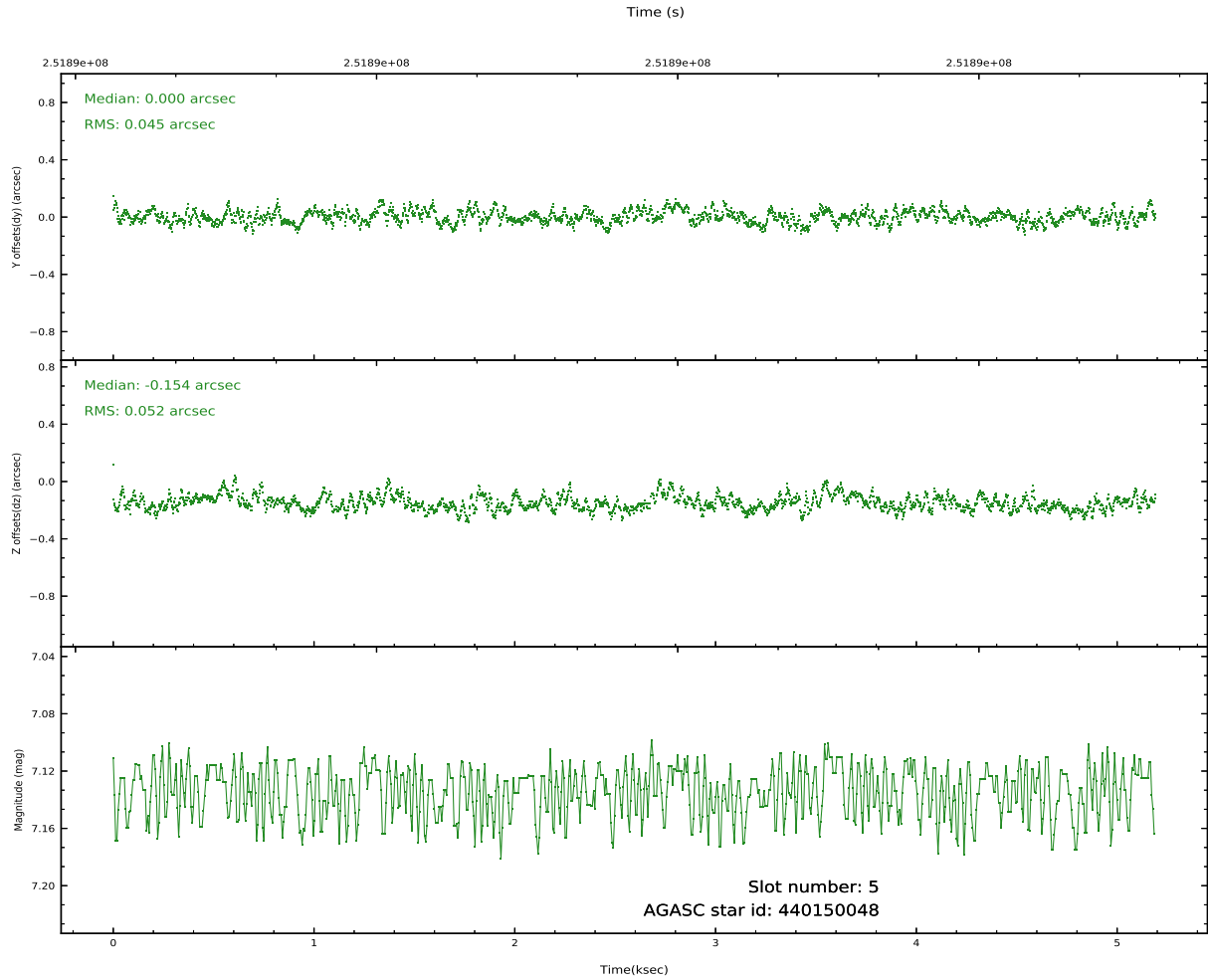
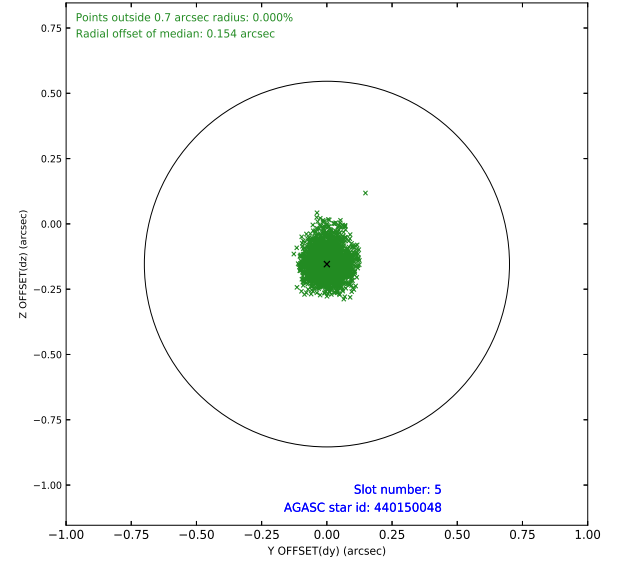
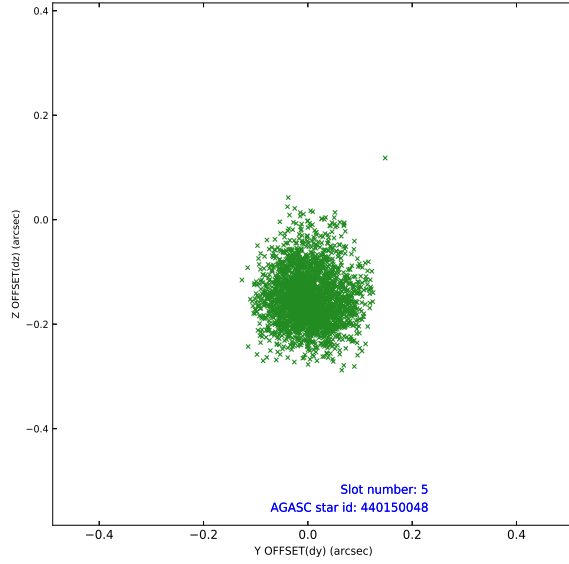
2.4.1 Slot 3



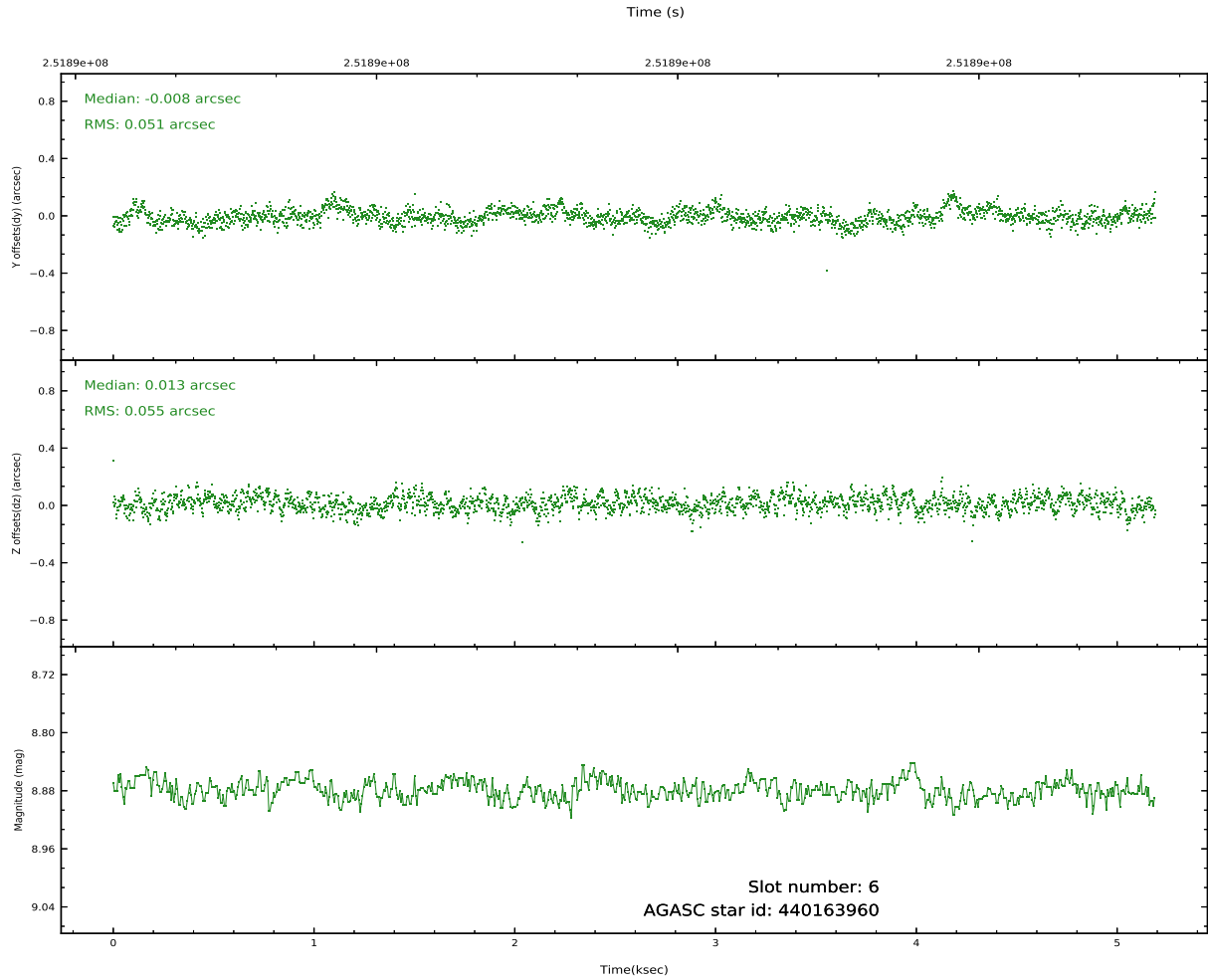
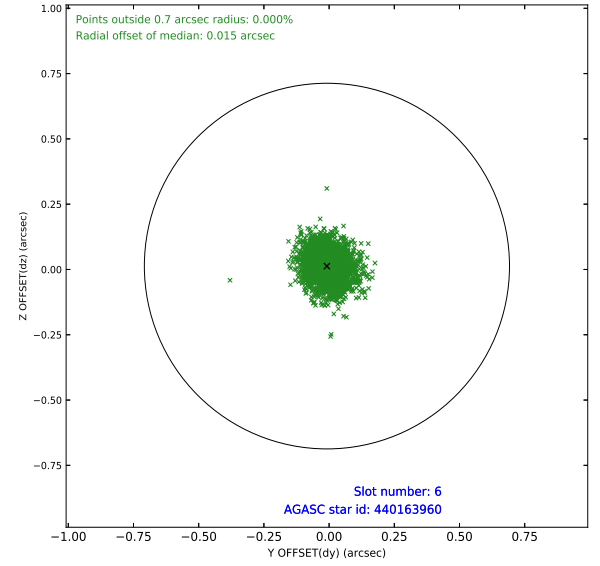
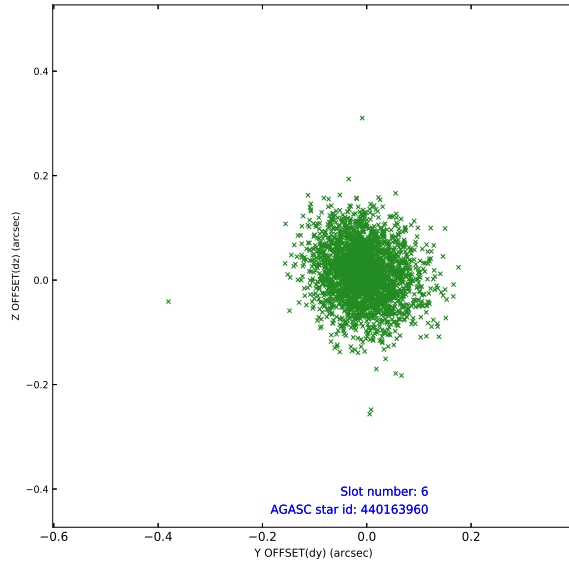
2.4.2 Slot 4



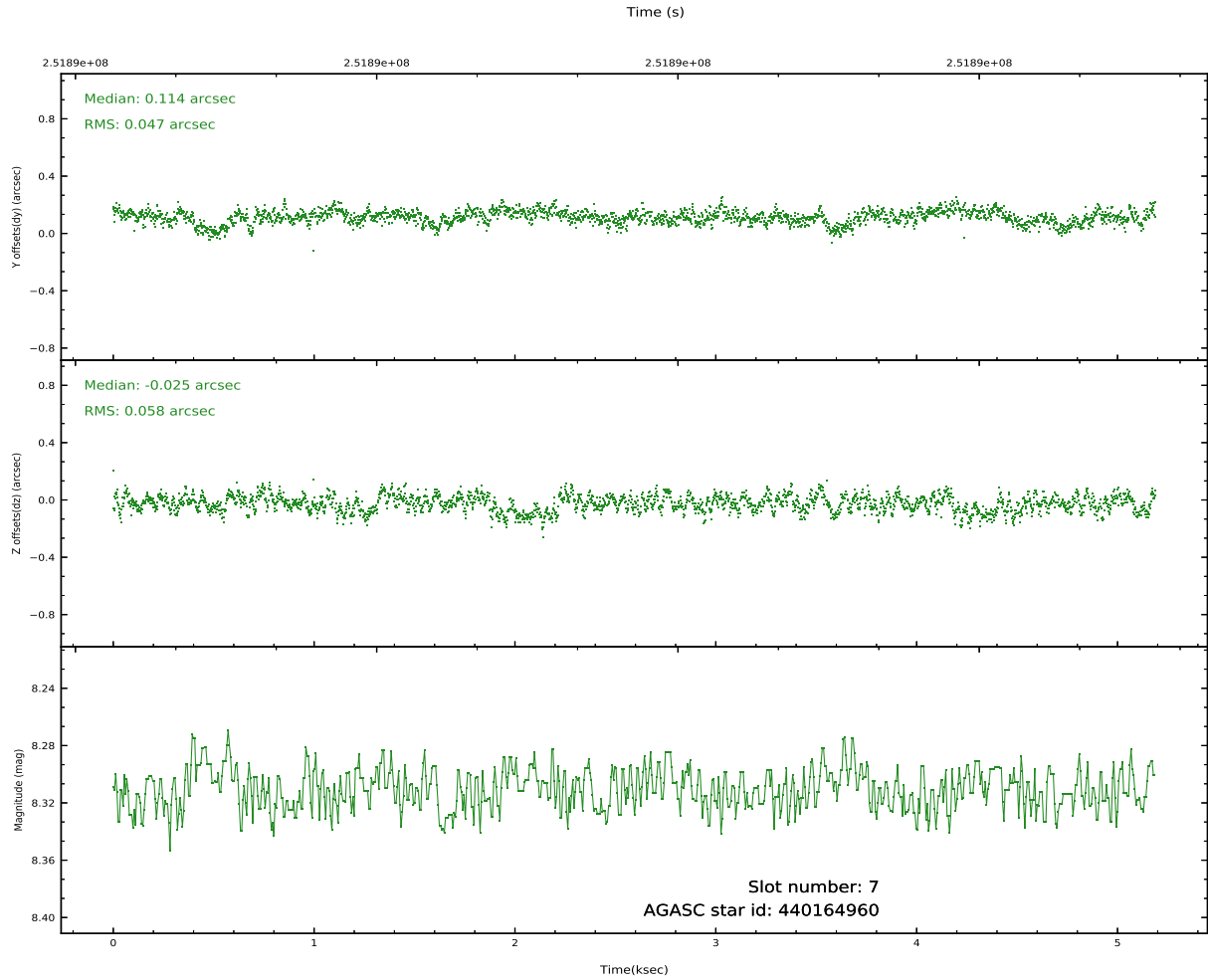
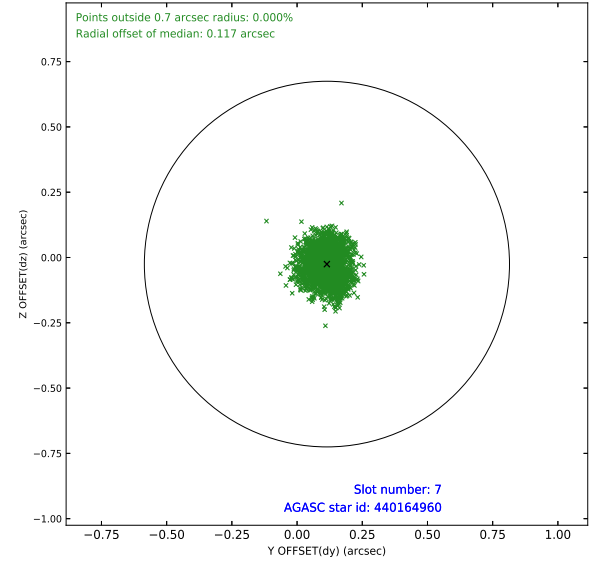
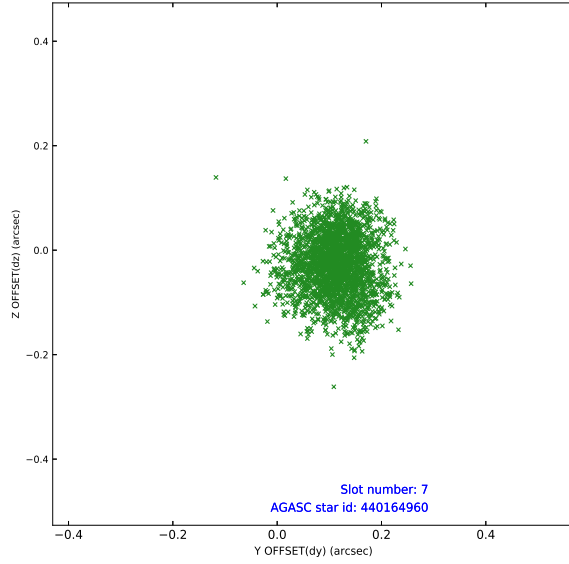
2.4.3 Slot 5



2.4.4 Slot 6

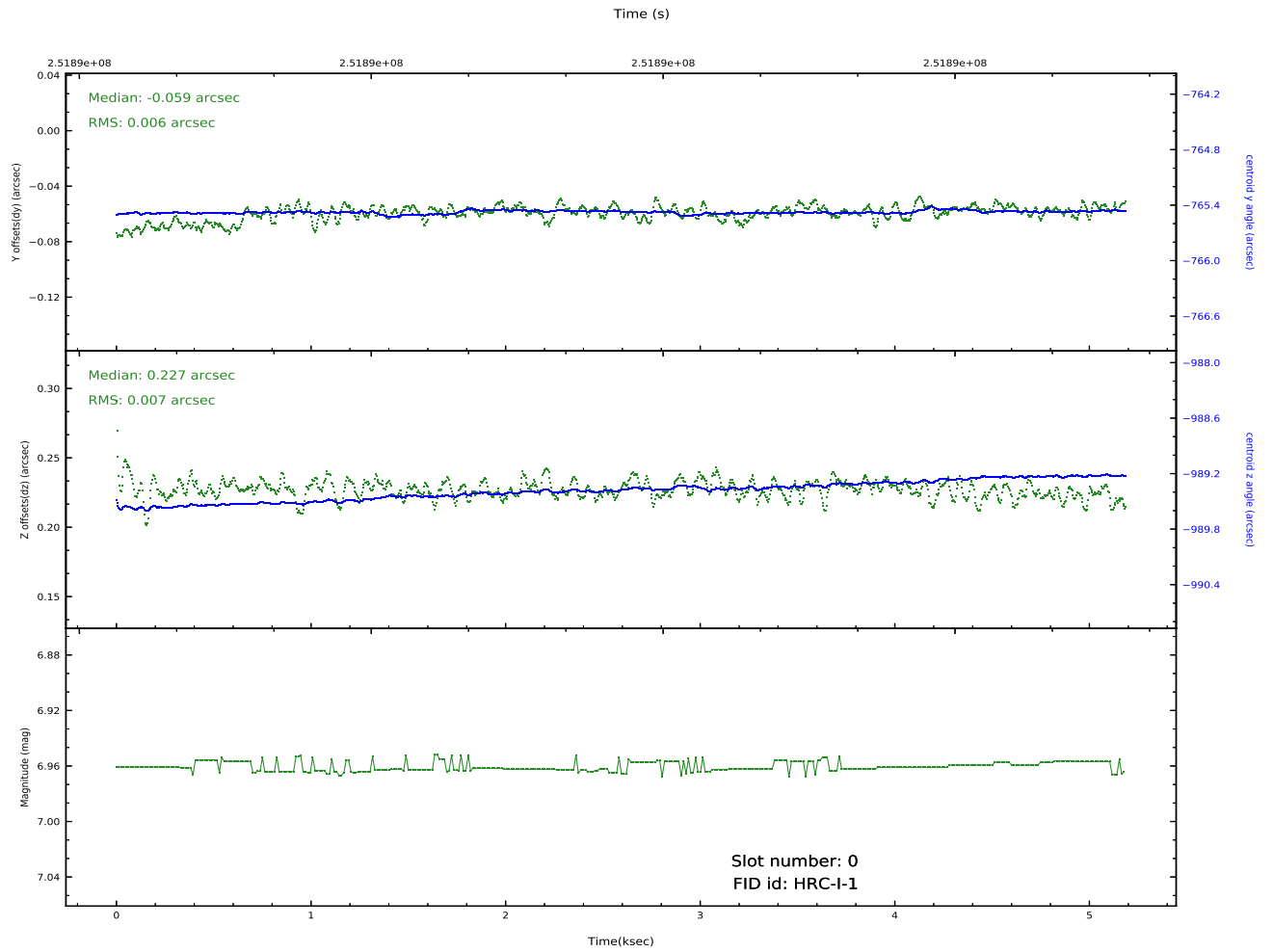
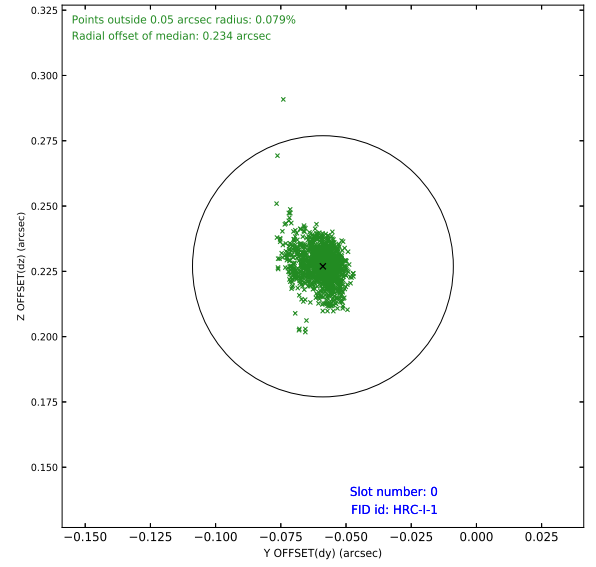
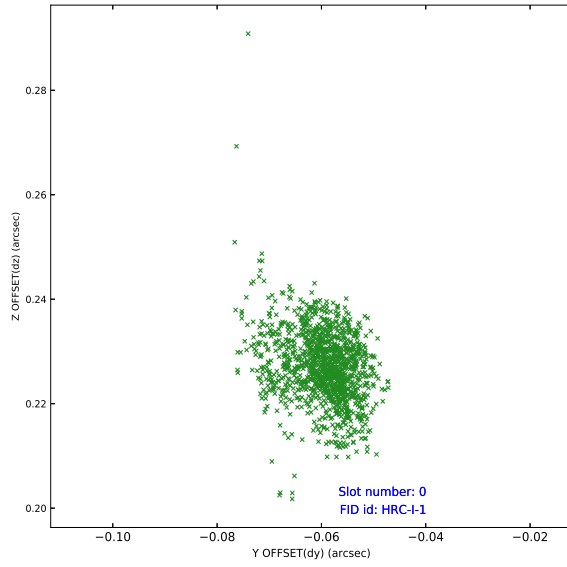


2.4.5 Slot 7

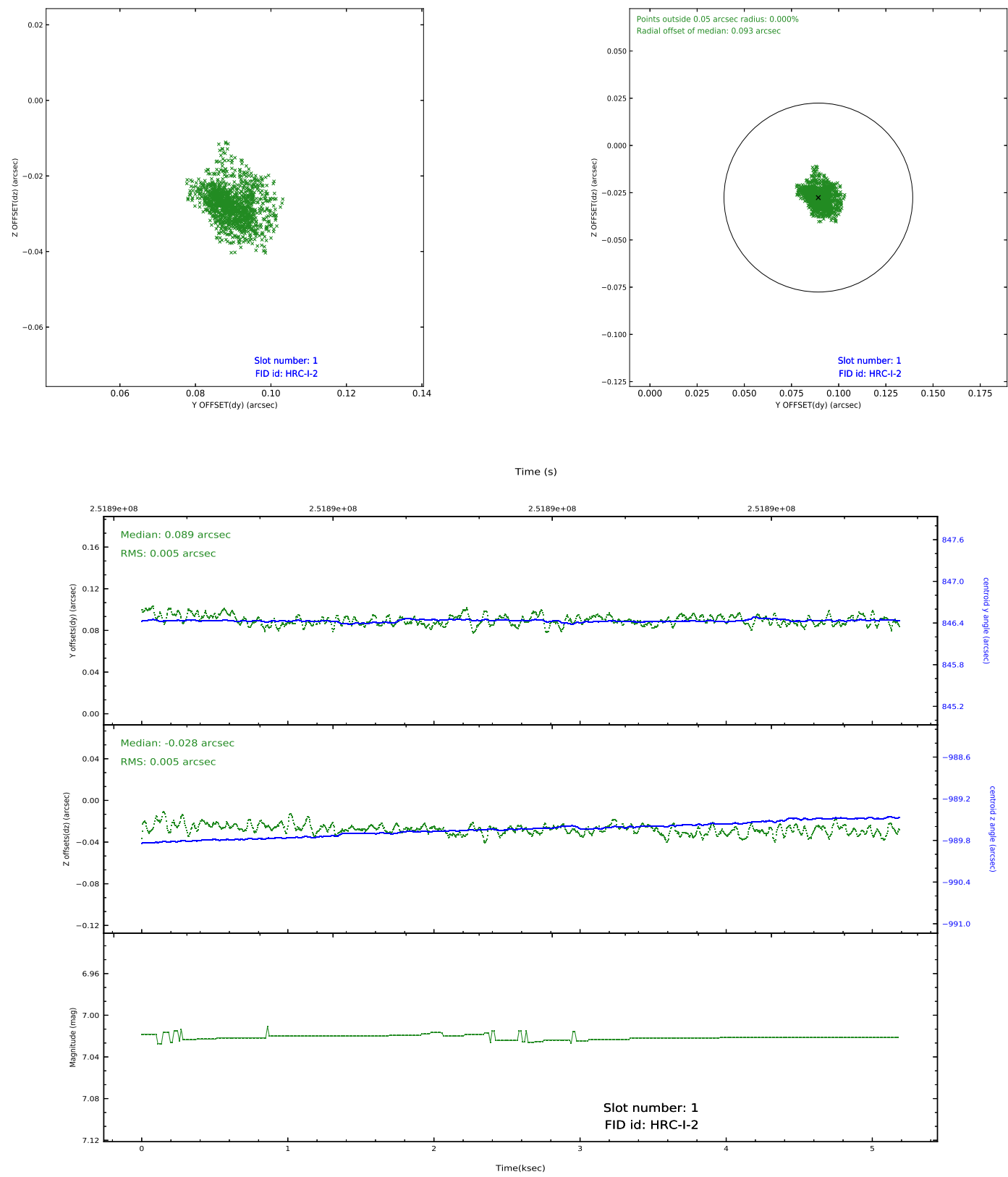


2.5 FID Slots

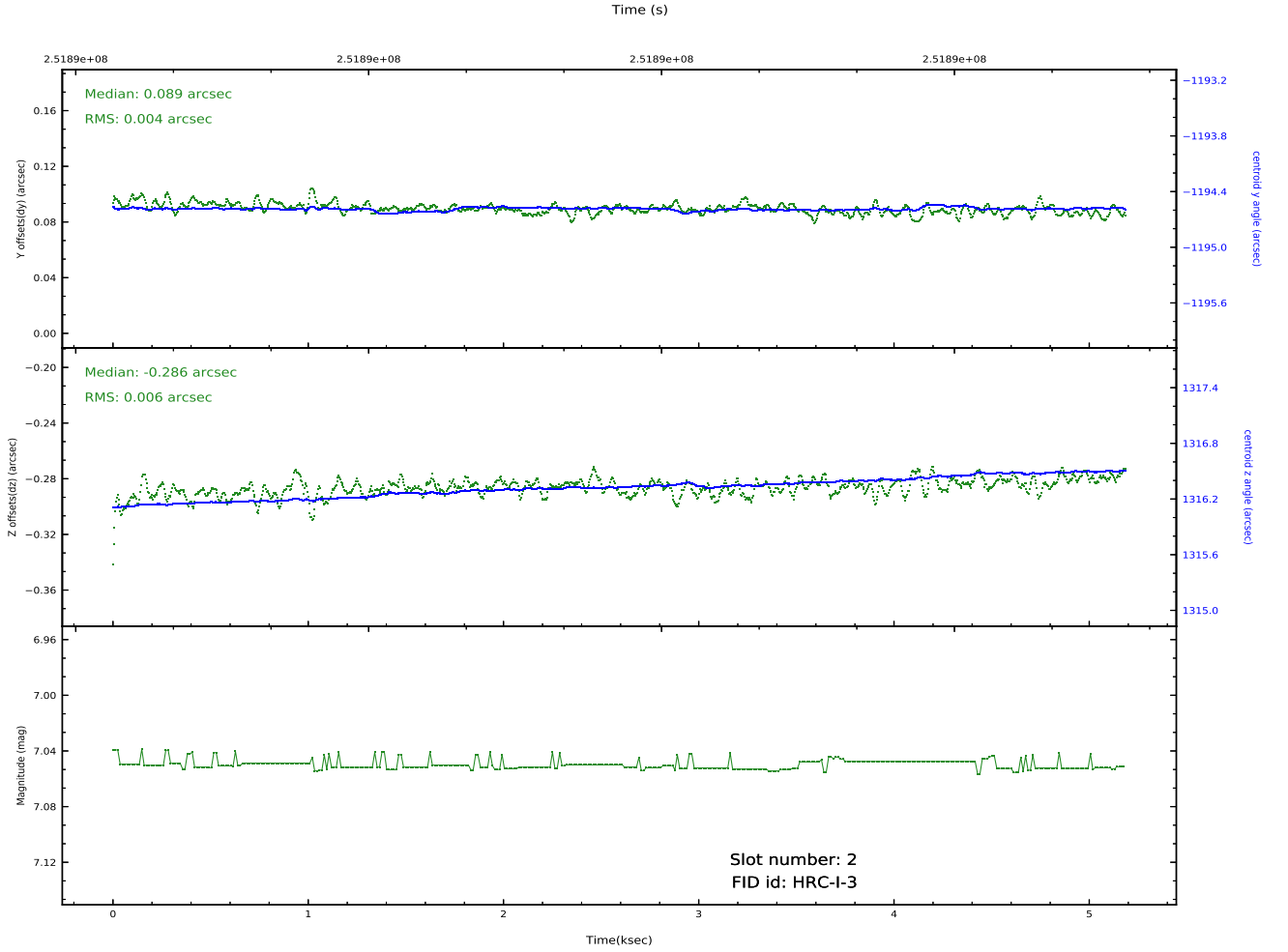
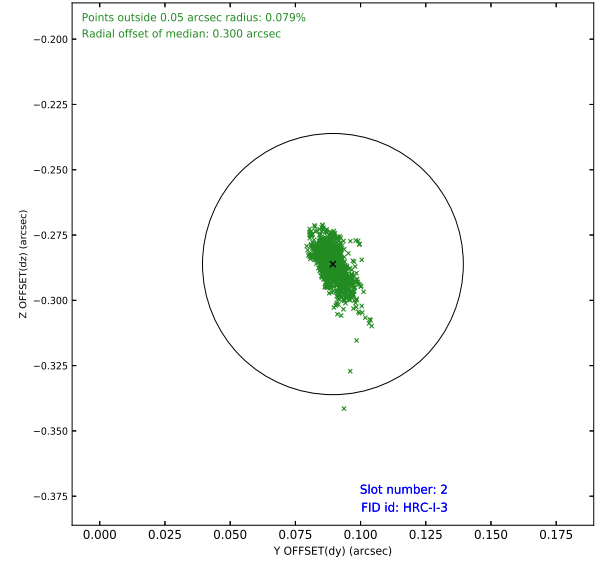
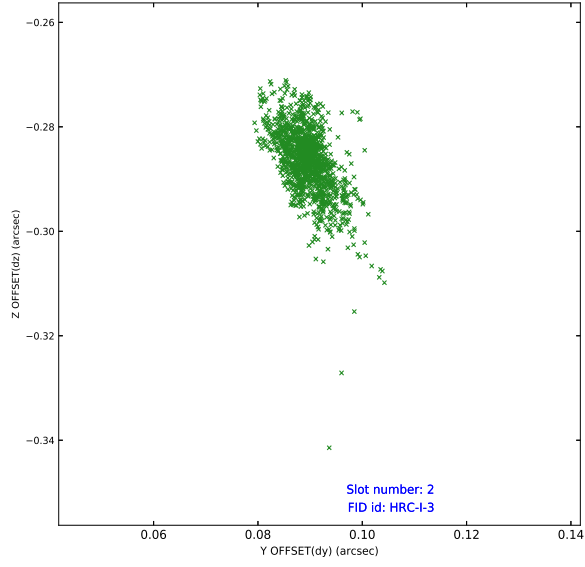
2.5.1 Slot 0



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	5.189575

A.2 Comments