

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6553 - L2 Version 5
Chandra X-Ray Center

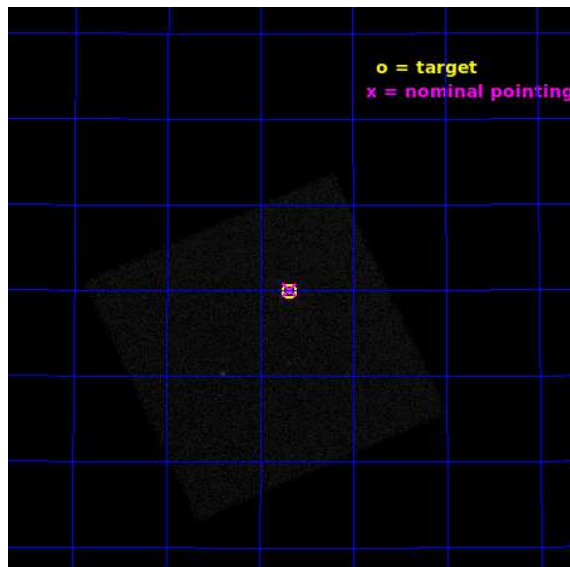
L2 Processing Date : Oct 12 2020

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1 Front

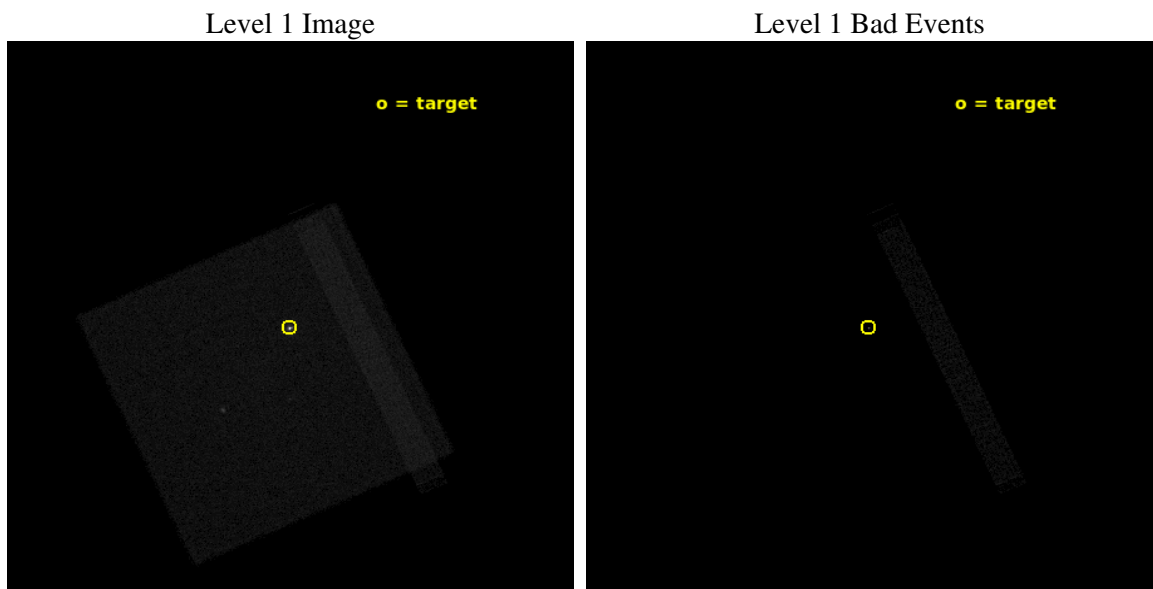
seq_num	290646	Sequence number
obs_id	6553	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.169582288747	Nominal RA [deg]
dec_nom	46.001676307261	Nominal Dec [deg]
roll_nom	200.50727076241	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5187.5252400935	[s]
livetime	5140.1736166739	Ontime multiplied by DTCOR
l2events	327063	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	5187.5252400935	[s]
caldsver	4.9.2	 	l1events	484248	Number of level 1 events
date	2020-10-12T06:07:11	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

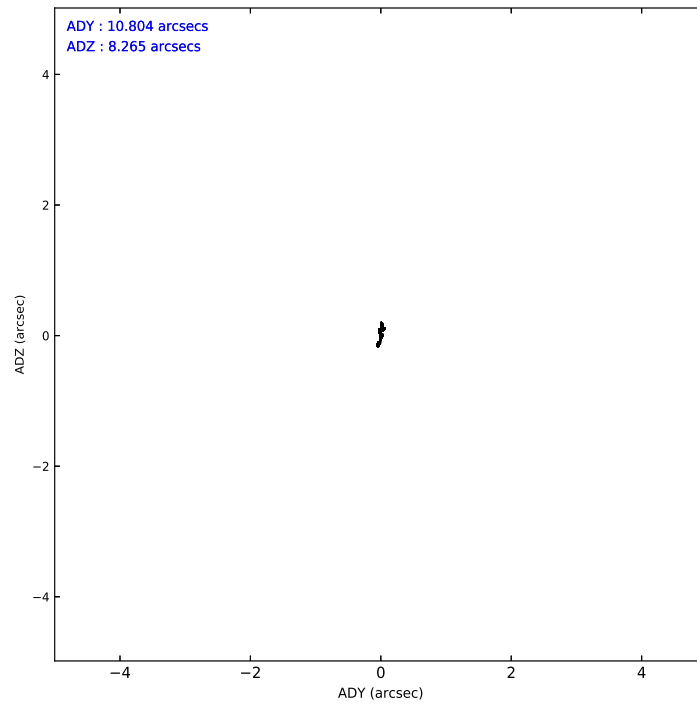
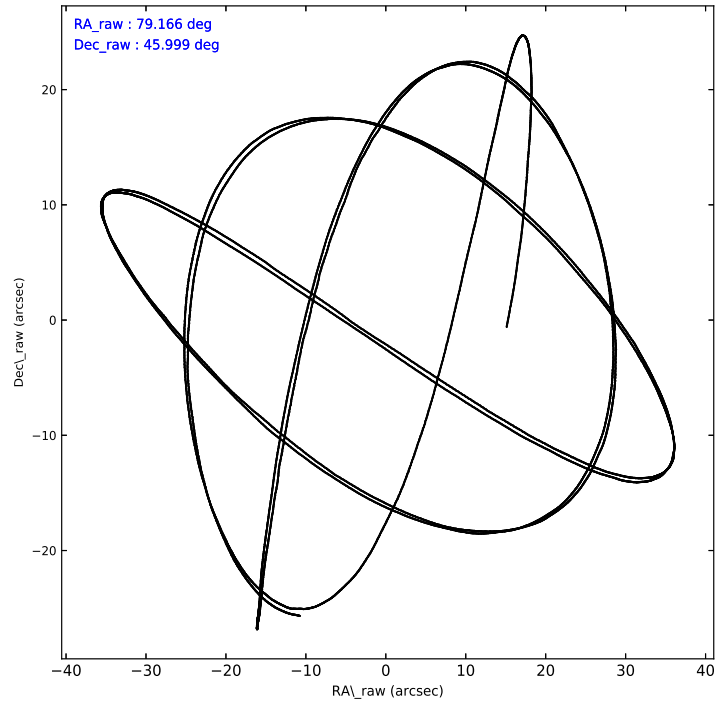
	segment 0
level 1 events	484248
rejected events	47428
rejected %	9%

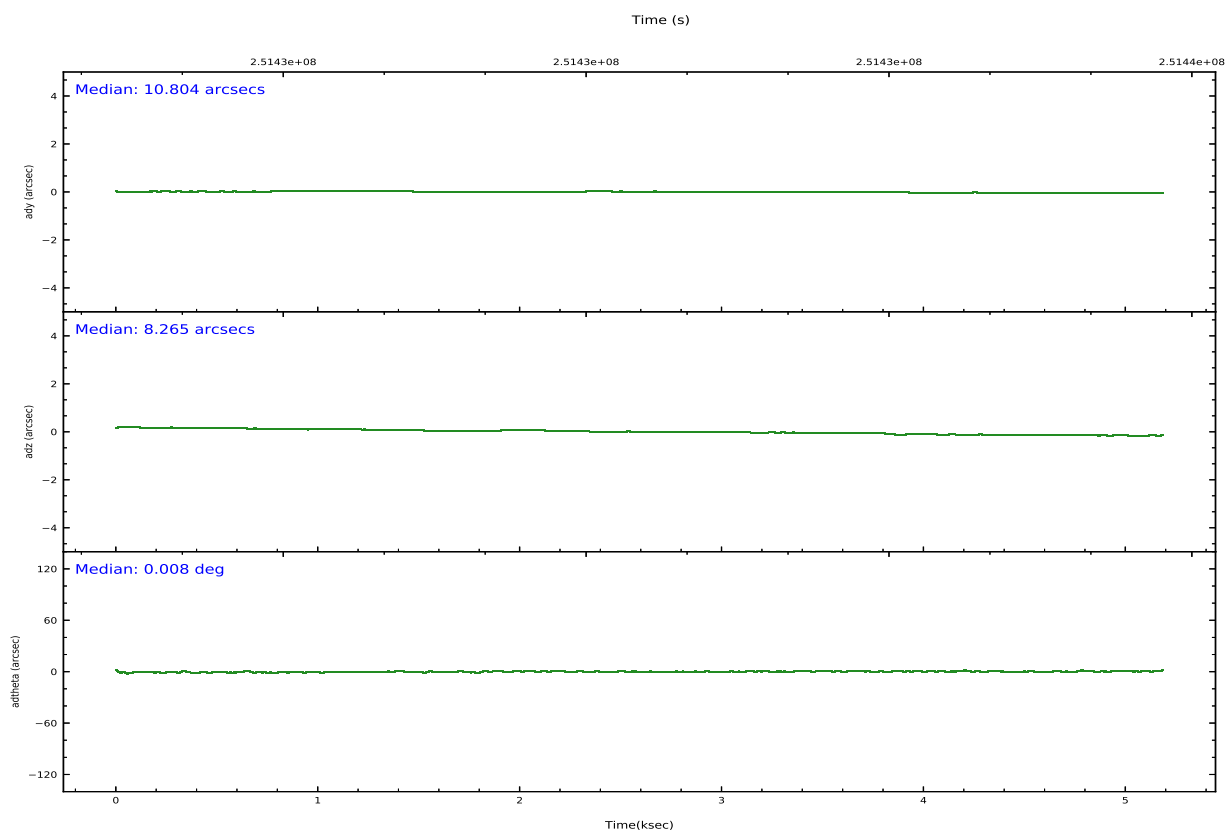
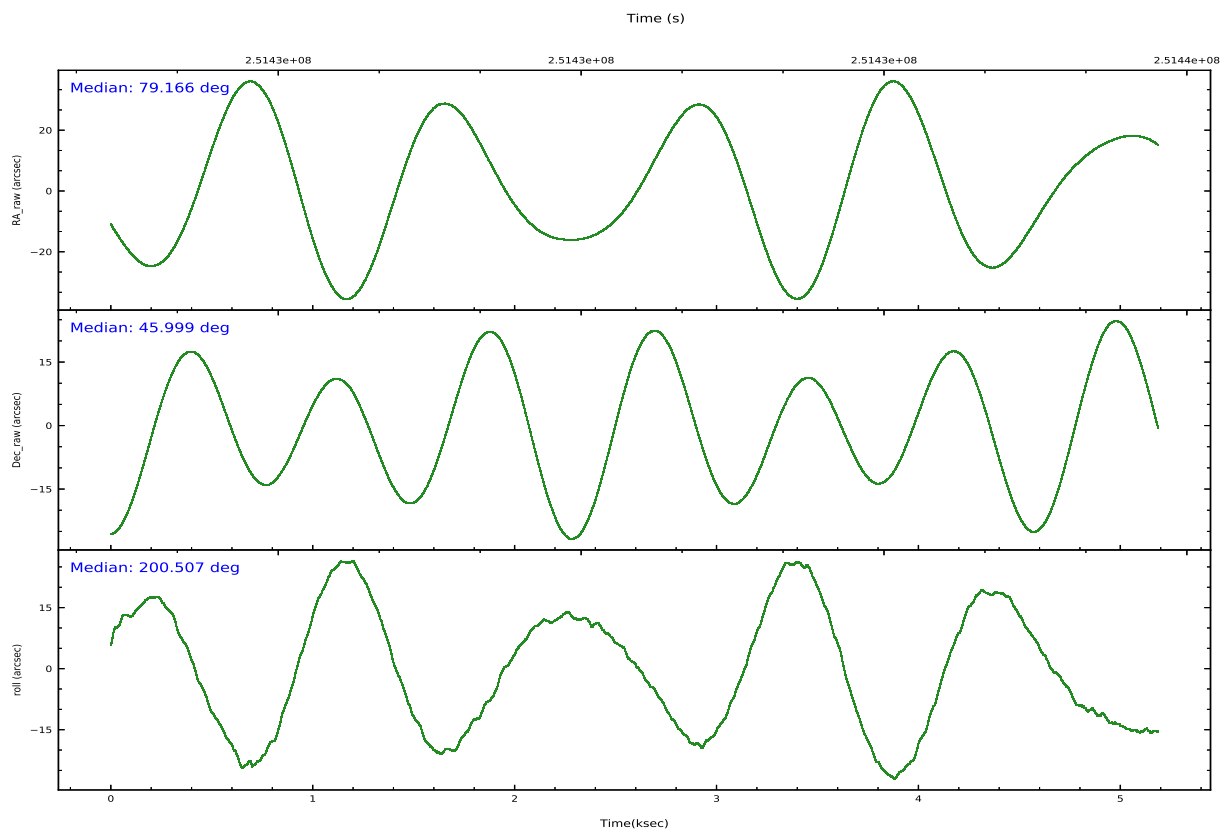
2.2 Compared Parameters

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	79.190615	79.16958228874699
[deg] Pointing Dec	46.019467	46.001676307261
[deg] Pointing Roll	200.599825	200.50727076241
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	105.985494	105.9859329066587
[mm] SIM translation stage offset	21	20.99955598494287
[s] Observation start time (MET)	251430359.184000	251429983.31822
Observation start date	2005-12-20T01:44:55	2005-12-20T01:39:43
[s] Observation end time (MET)	251435359.184000	251436463.88102
Observation end date	2005-12-20T03:08:15	2005-12-20T03:27:43

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

2.3 Aspect



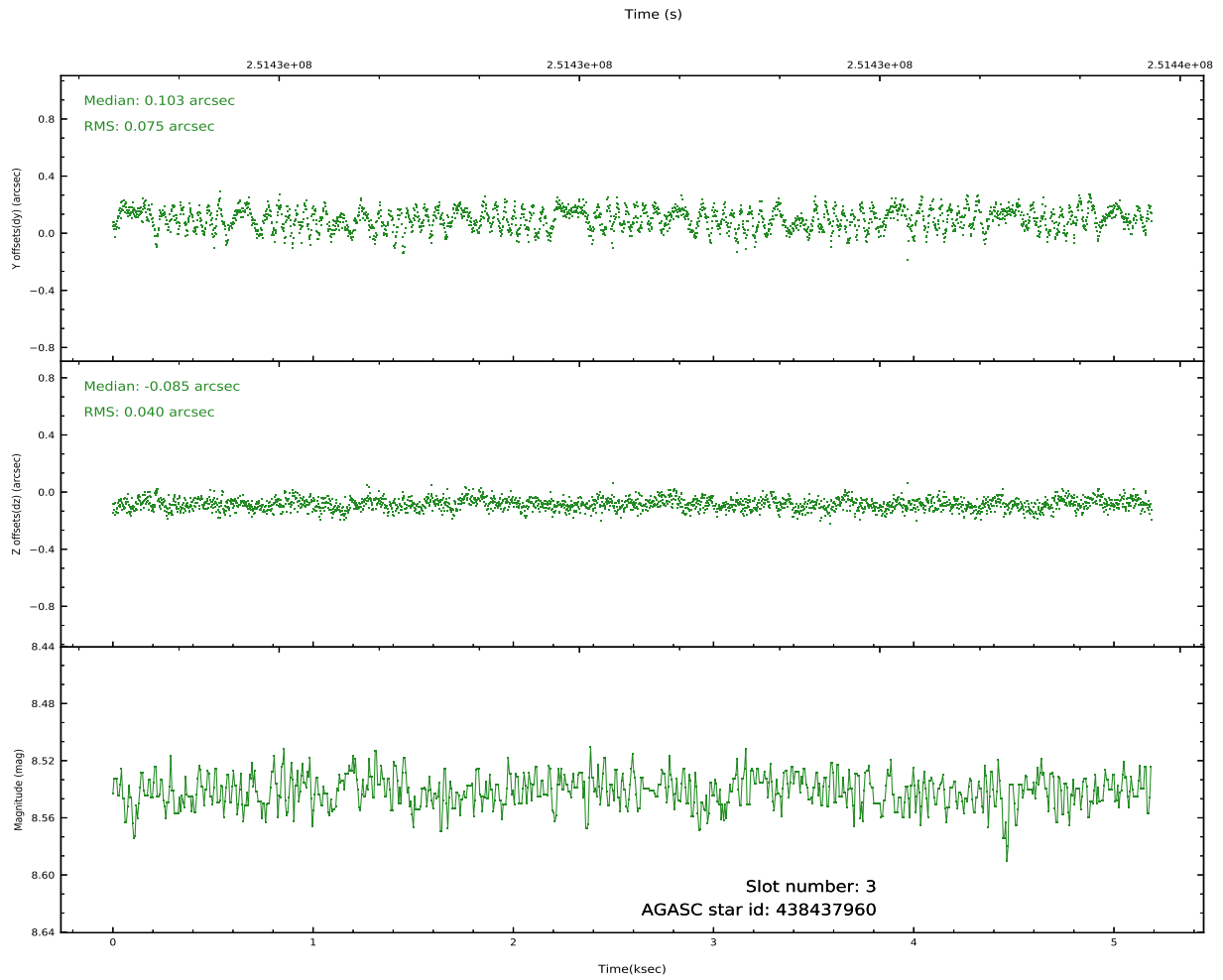
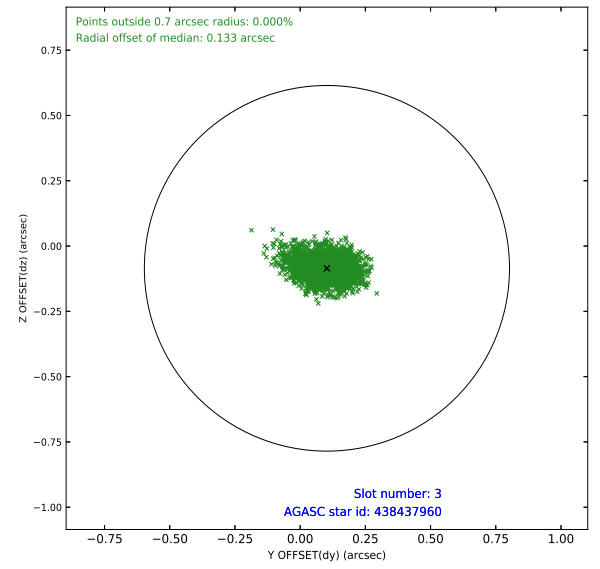
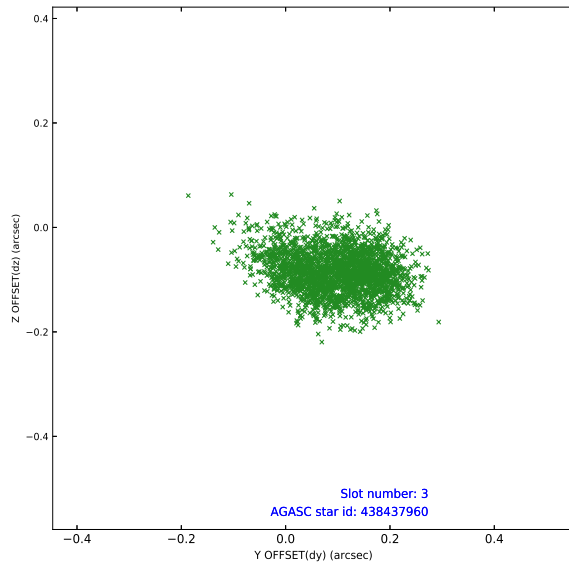


Slot Statistics

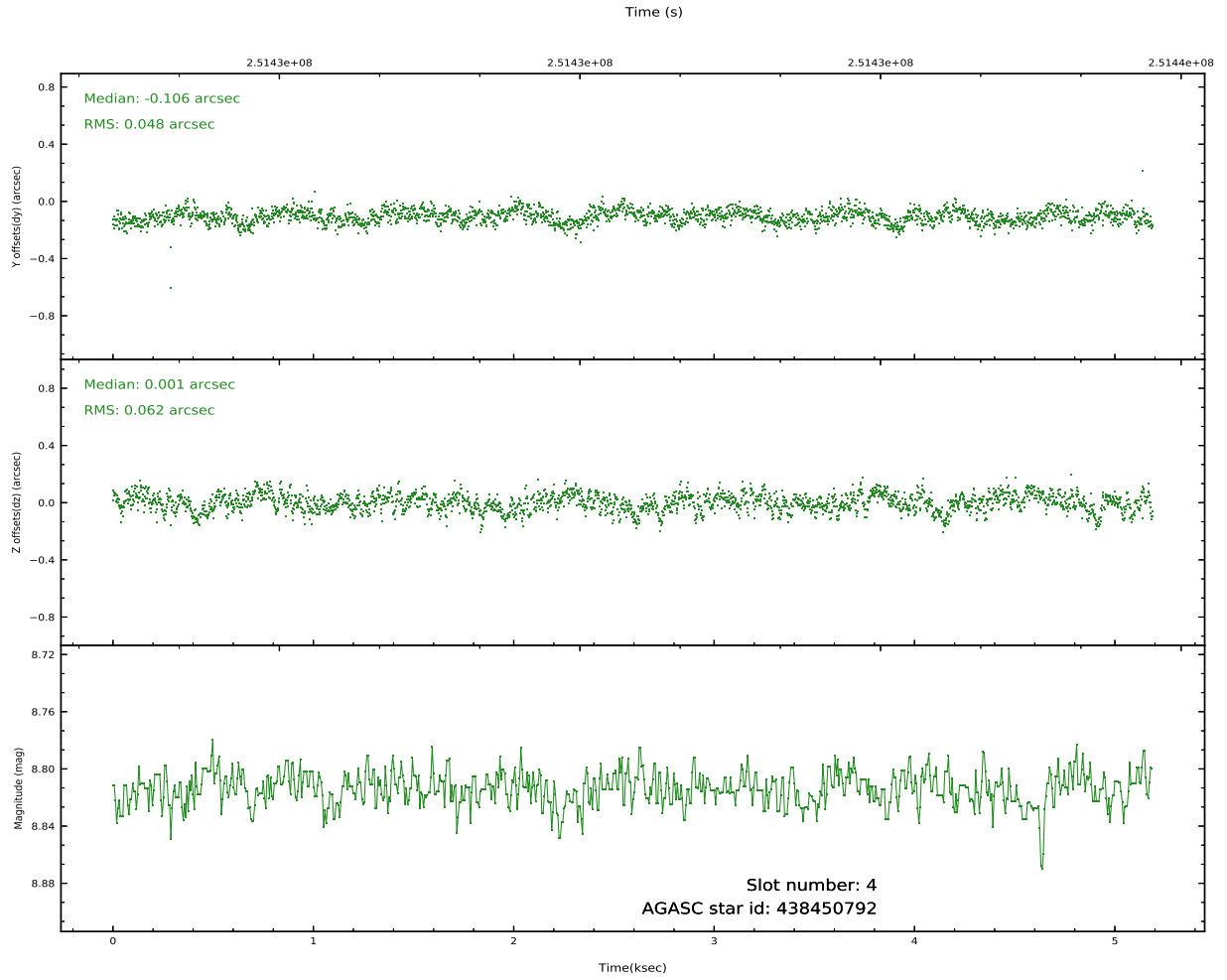
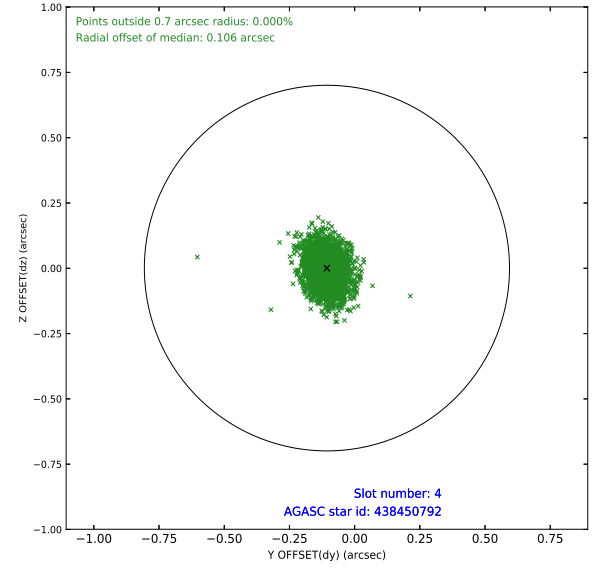
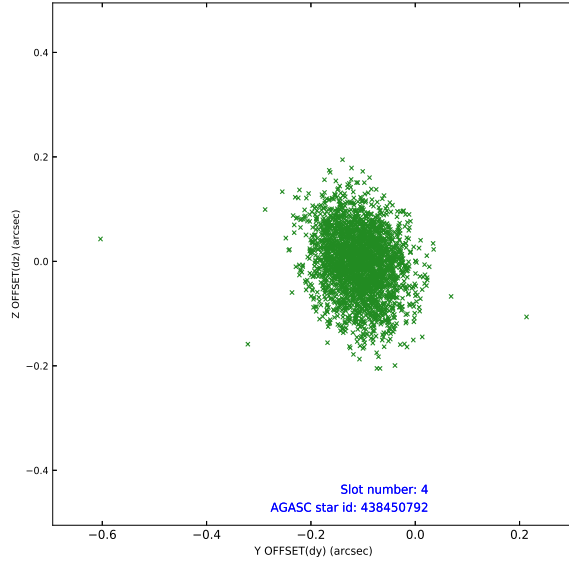
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.96	1266	1.000	-0.051	0.126	0.009	0.015	0.000000	0.000000	-765.72	-866
1	FID		HRC-I-2	7.06	1266	1.000	0.020	0.062	0.007	0.011	0.000000	0.000000	845.16	-866
2	FID		HRC-I-3	7.07	1266	1.000	0.150	-0.275	0.008	0.016	0.000000	0.000000	-1194.56	1439
3	GUIDE	used	438437960	8.54	2532	1.000	0.103	-0.085	0.089	0.145	78.069023	46.438843	2067.60	-2410
4	GUIDE	used	438450792	8.81	2529	1.000	-0.106	0.001	0.082	0.135	78.654240	46.382628	786.97	-1696
5	GUIDE	used	440149808	8.42	2532	1.000	-0.008	-0.034	0.071	0.113	78.873930	46.405955	246.89	-1580
6	GUIDE	used	440150048	7.14	2532	1.000	-0.051	0.003	0.058	0.094	79.112838	46.416060	-320.86	-1404
7	GUIDE	used	438460832	8.99	2530	1.000	0.066	0.114	0.087	0.138	78.414614	45.554782	2416.81	869

2.4 Star Slots

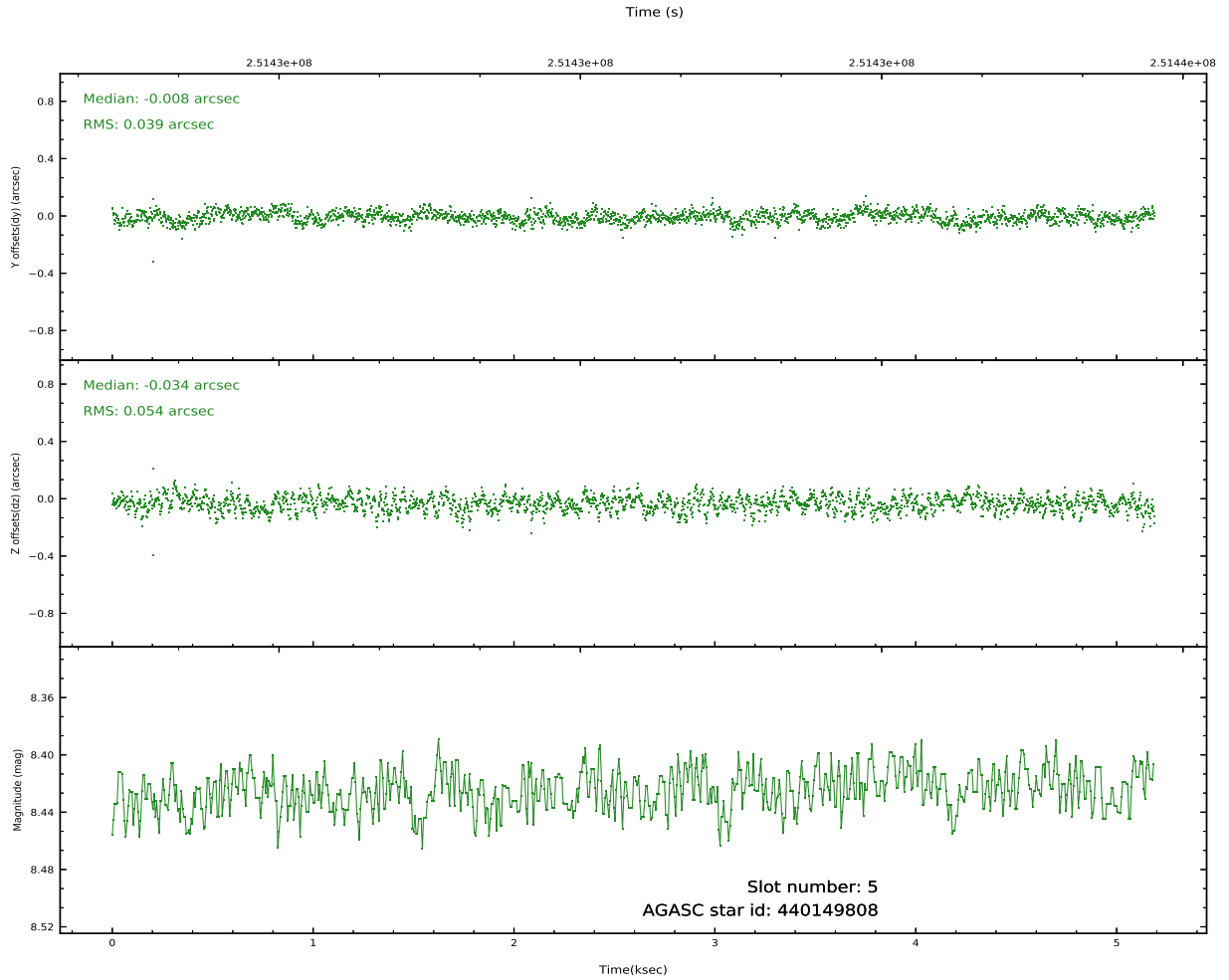
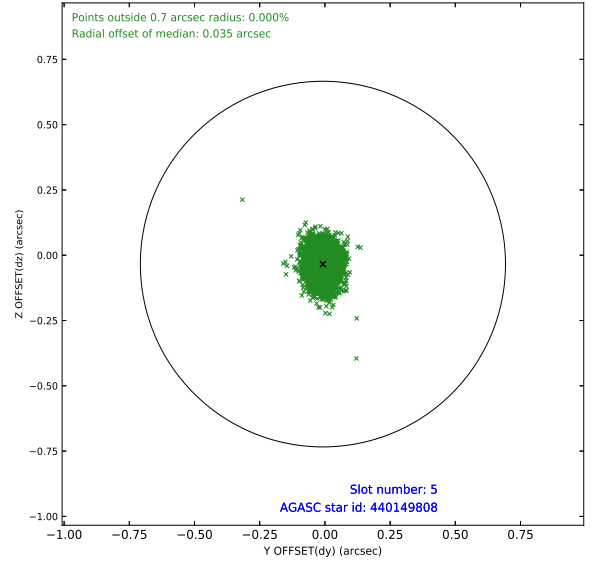
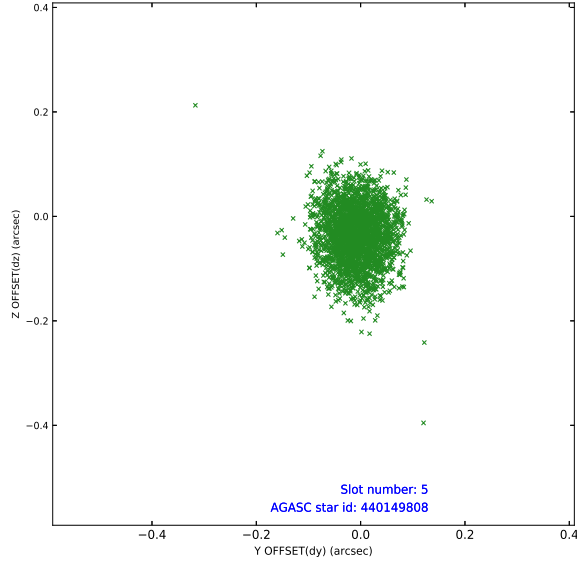
2.4.1 Slot 3



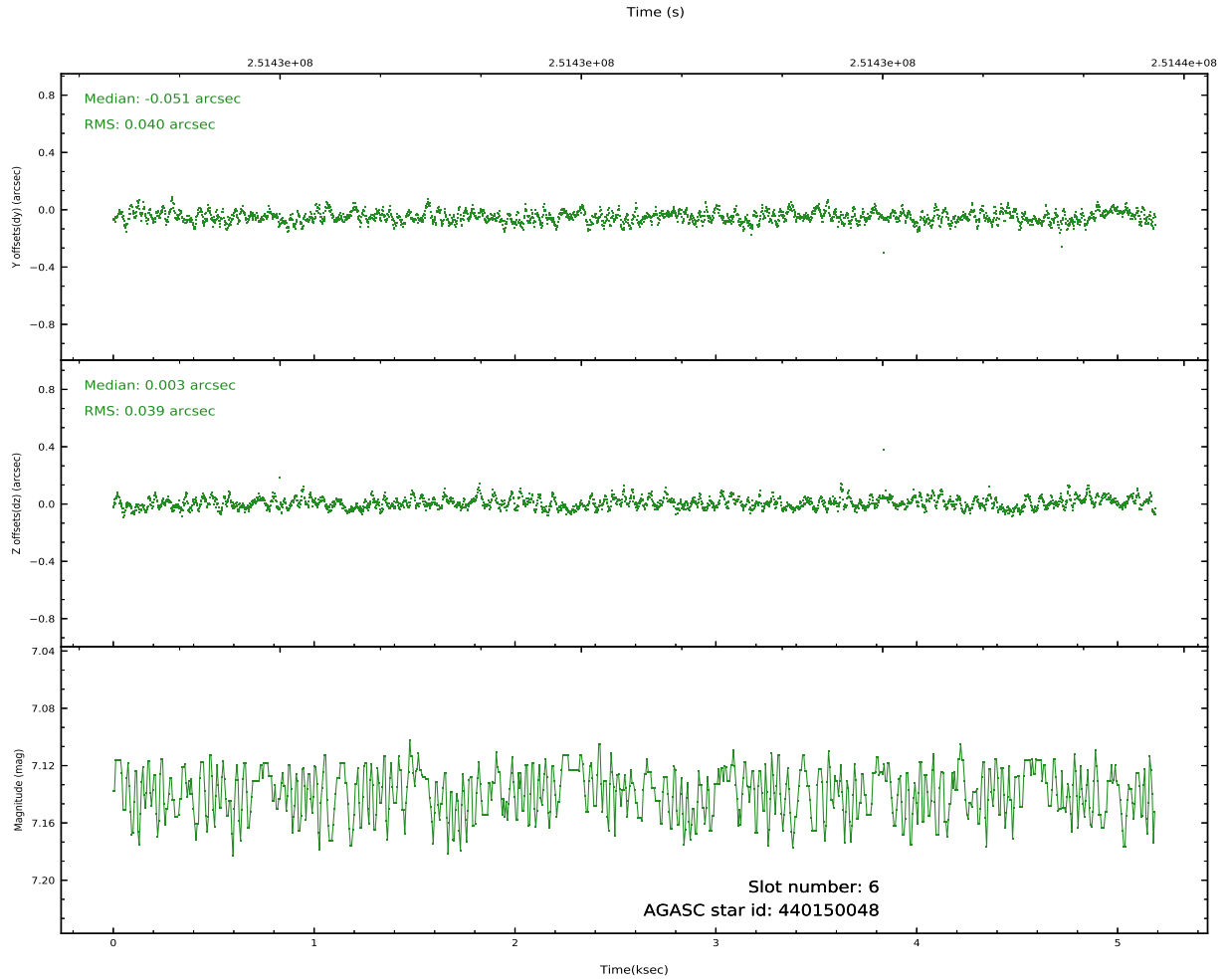
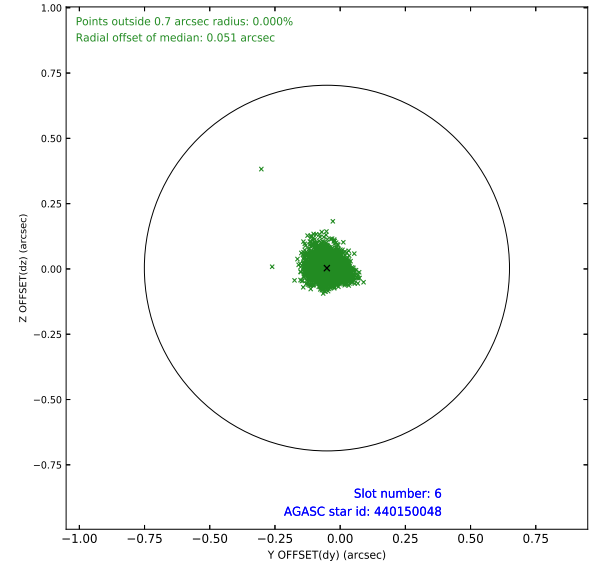
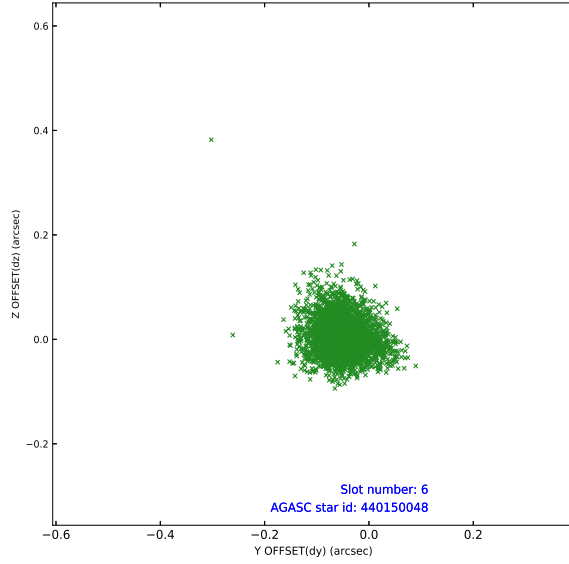
2.4.2 Slot 4



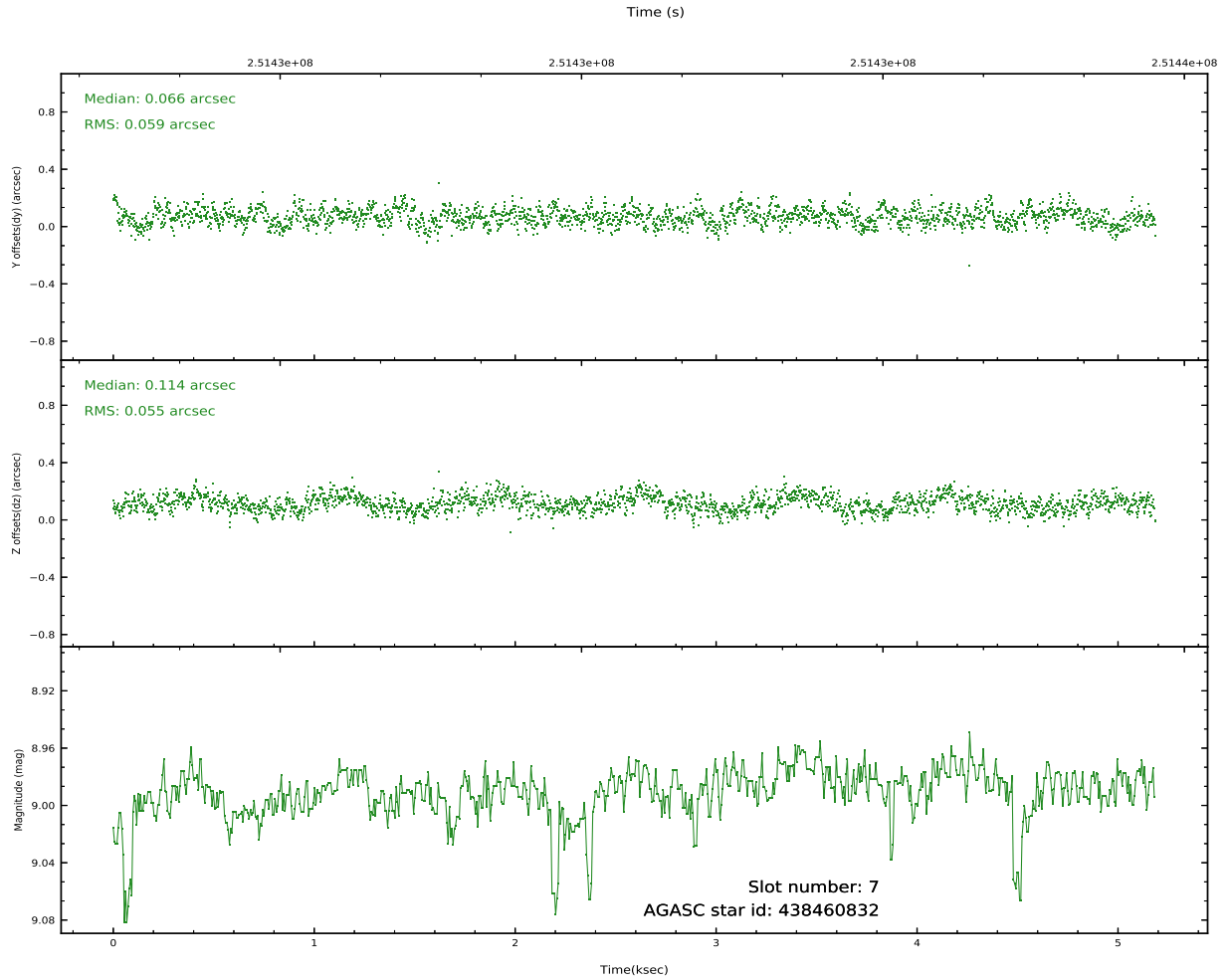
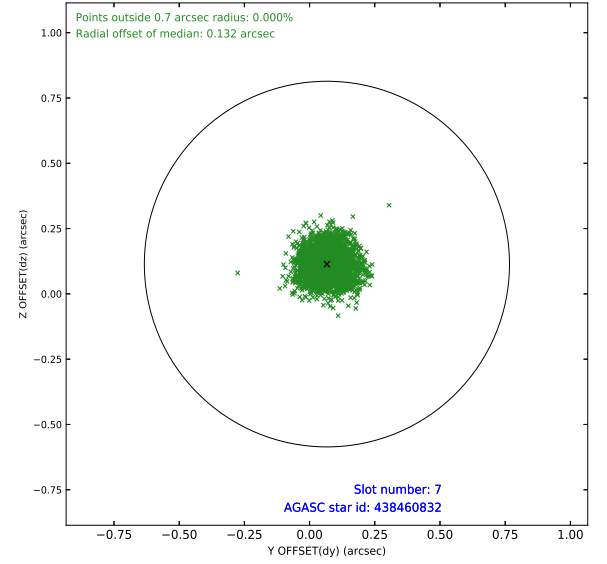
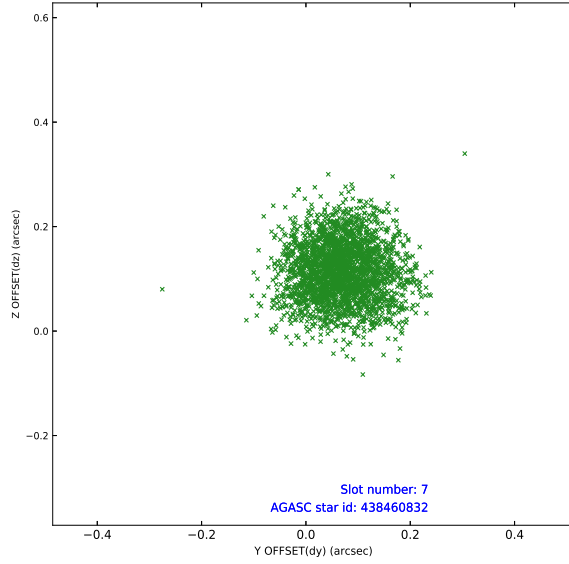
2.4.3 Slot 5



2.4.4 Slot 6

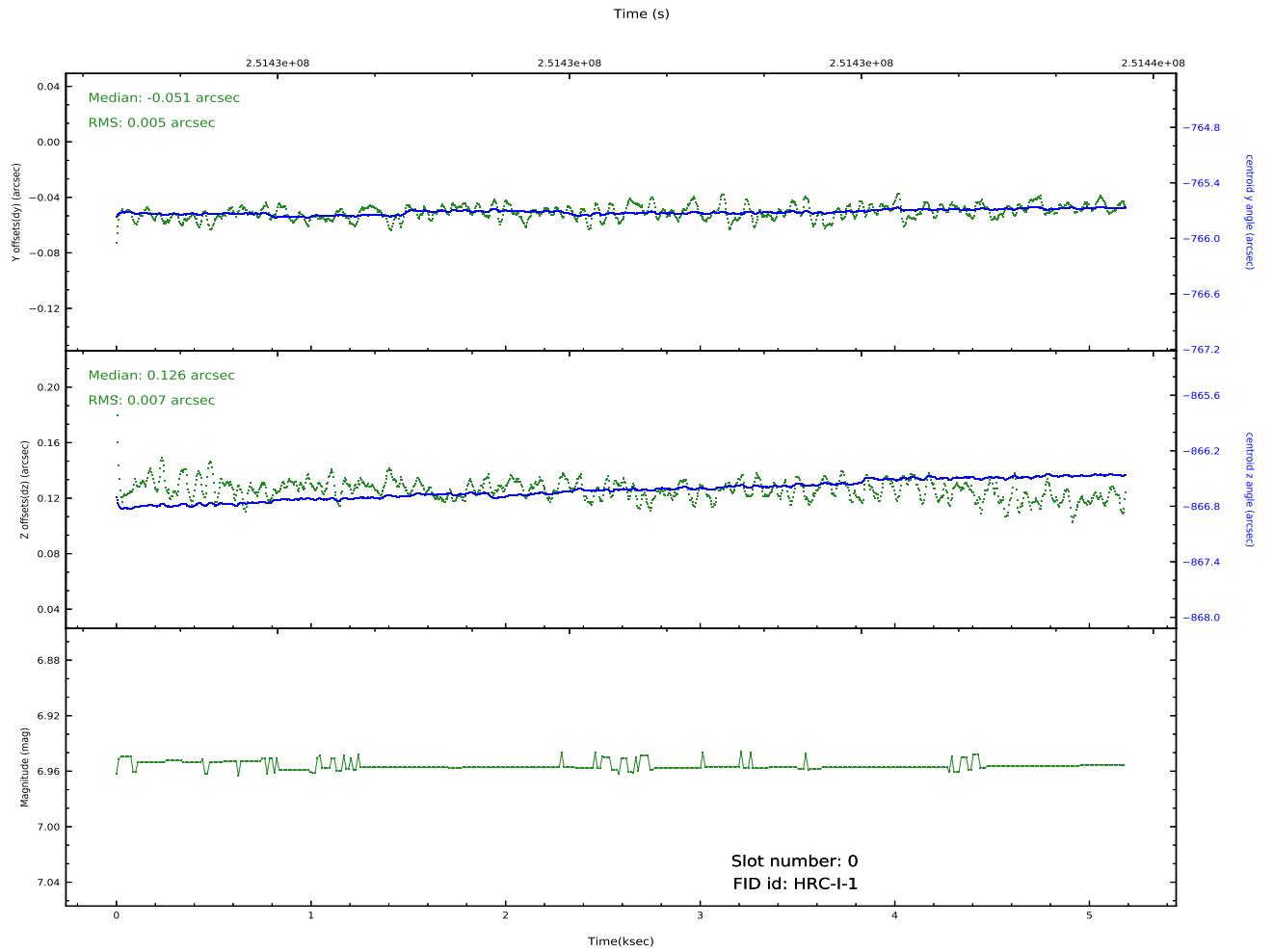
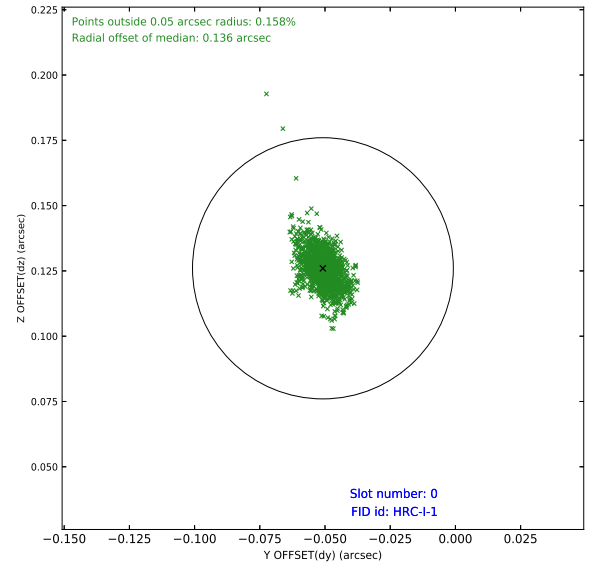
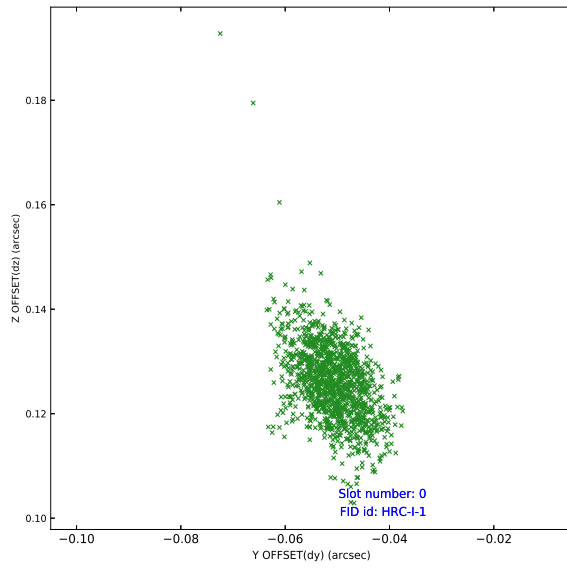


2.4.5 Slot 7

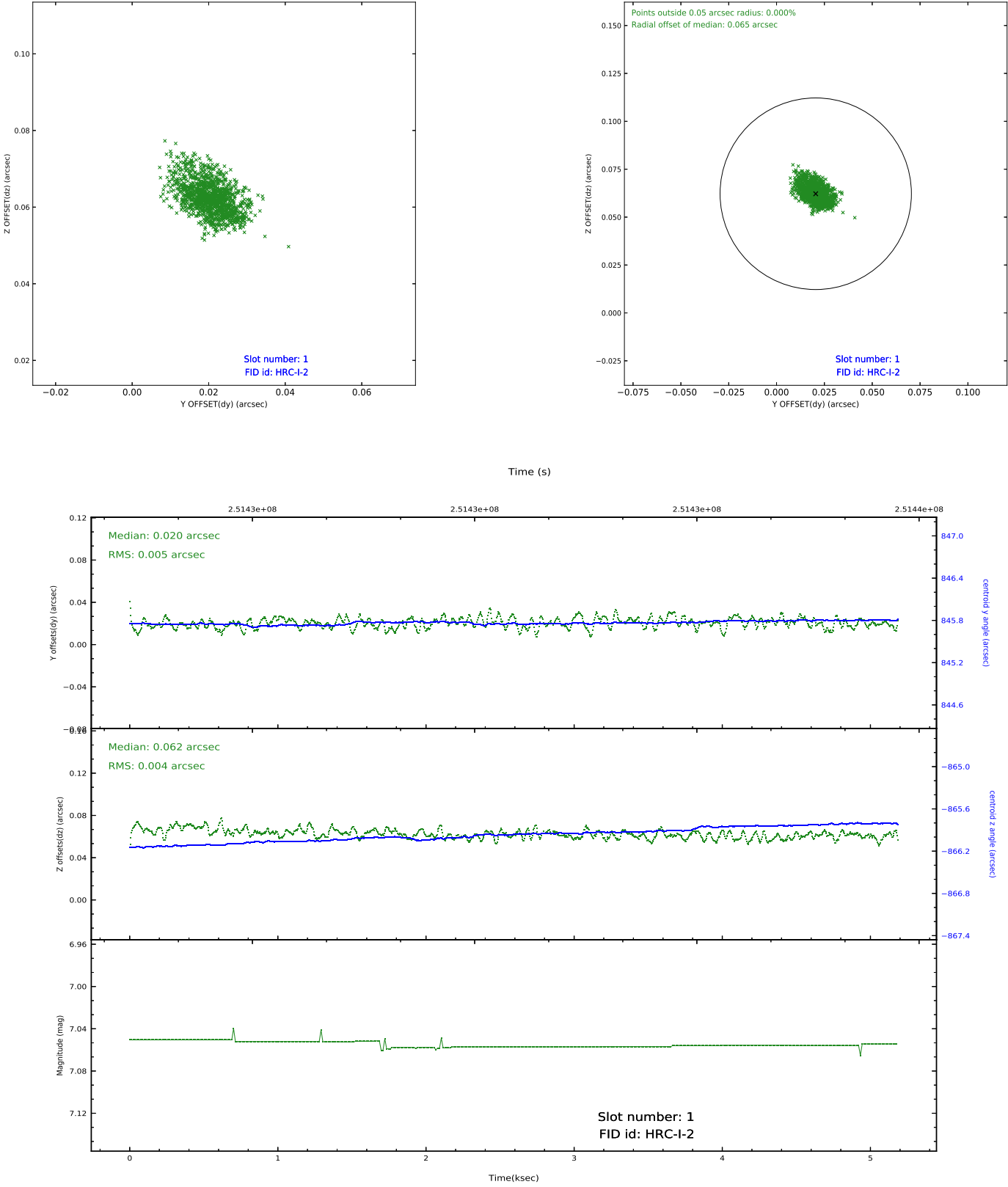


2.5 FID Slots

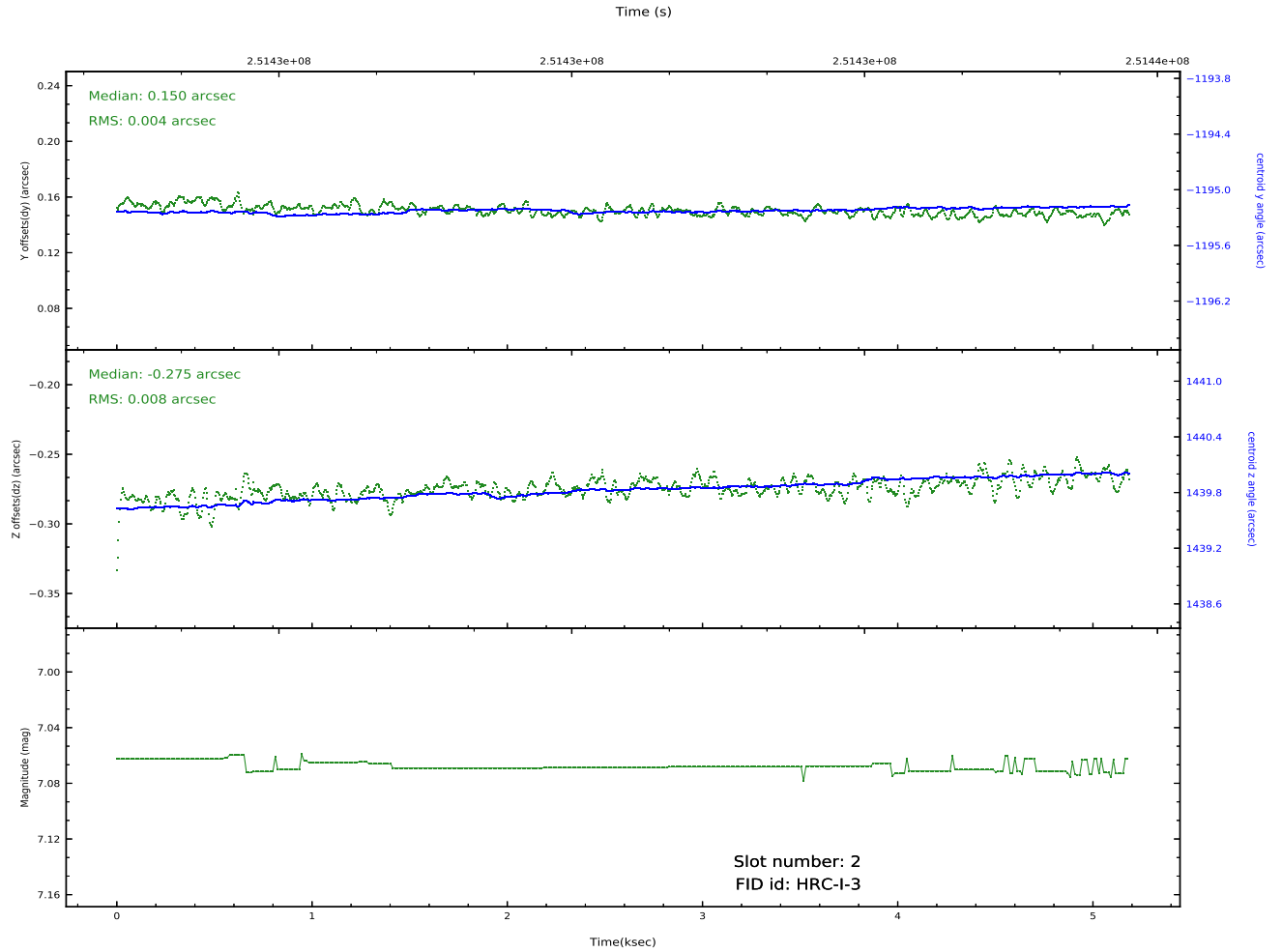
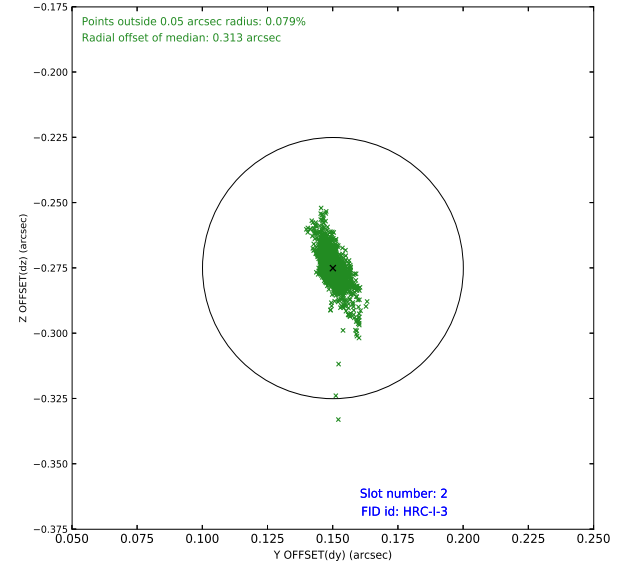
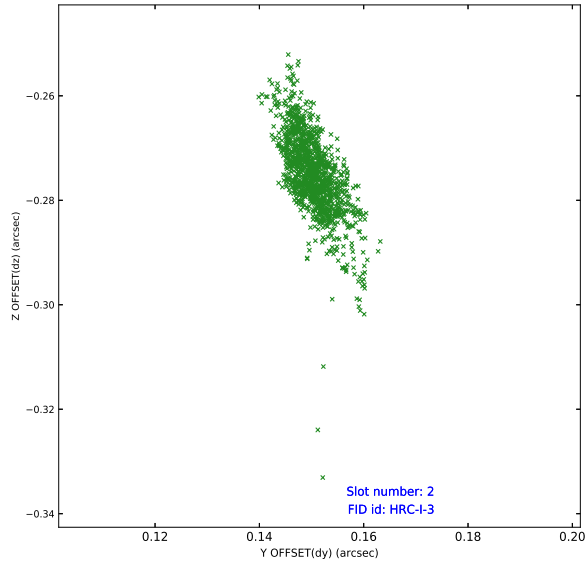
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.187525

A.2 Comments