

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5413 - L2 Version 5
Chandra X-Ray Center

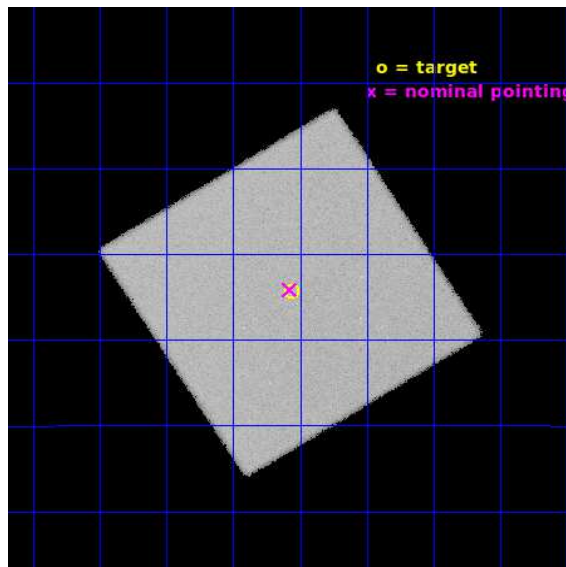
L2 Processing Date : Oct 7 2020

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1 Front

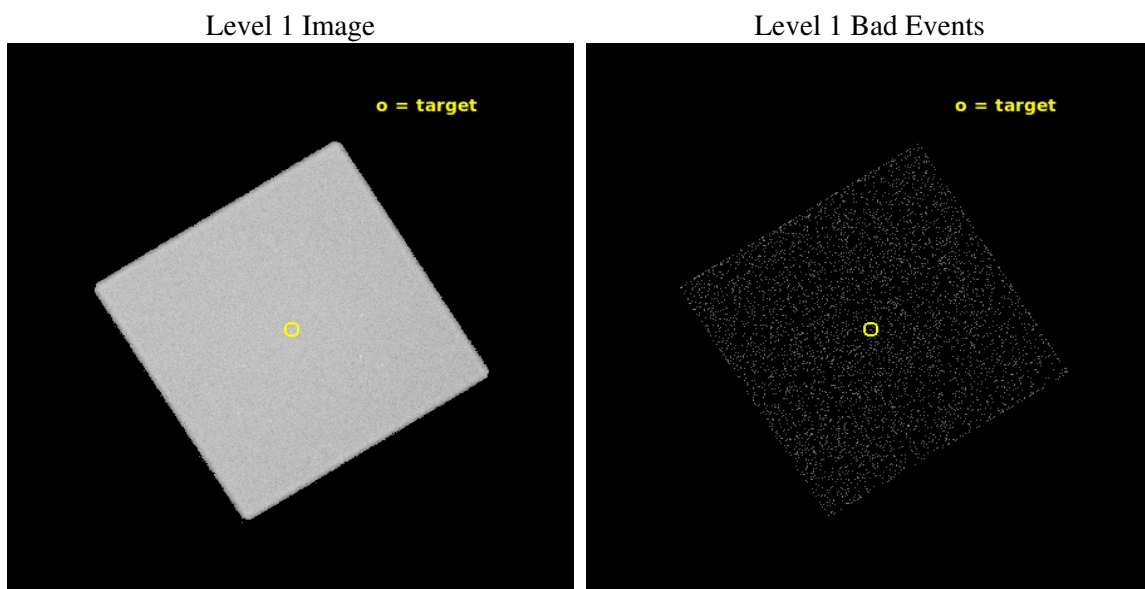
seq_num	200346	Sequence number
obs_id	5413	Observation id
title	Resolving the Puzzle of Hybrid Star Coronal X-rays	Proposal title
observer	THOMAS AYRES	Principal investigator
object	HD 204867	Source name
ra_targ	322.889583	Observer's specified target RA [deg]
dec_targ	-5.571167	Observer's specified target Dec [deg]
ra_nom	322.89389108756	Nominal RA [deg]
dec_nom	-5.5687386694287	Nominal Dec [deg]
roll_nom	102.95302548379	Nominal Roll [deg]
revision	5	Processing version of data
ontime	20146.632165641	[s]
livetime	20007.37531067	Ontime multiplied by DTCOR
l2events	734623	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	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20146.632165641	[s]
caldsver	4.9.2	 	l1events	1186859	Number of level 1 events
date	2020-10-07T18:10:18	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

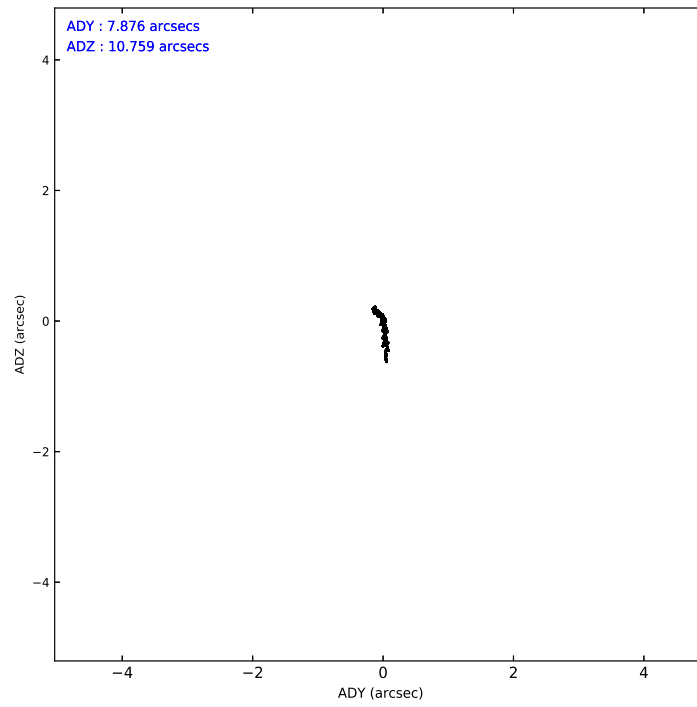
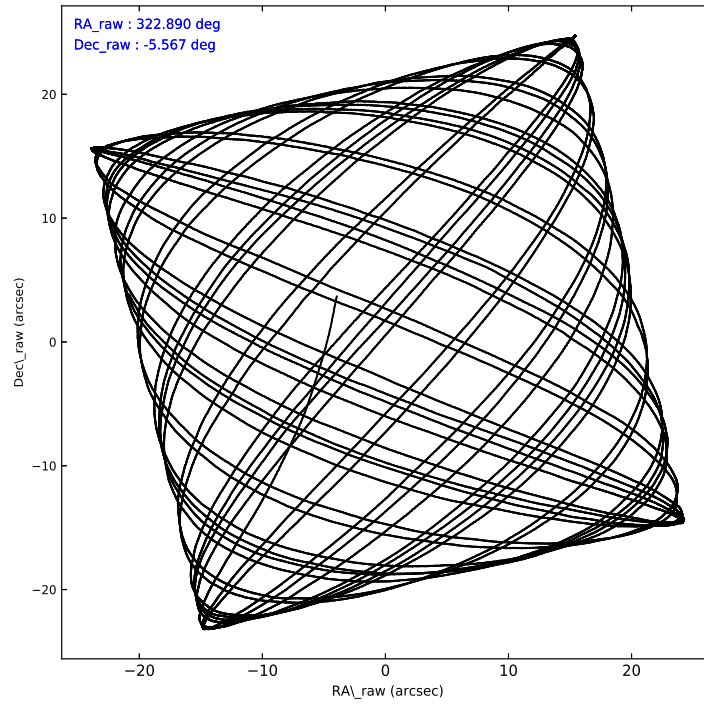
	segment 0
level 1 events	1186859
rejected events	86521
rejected %	7%

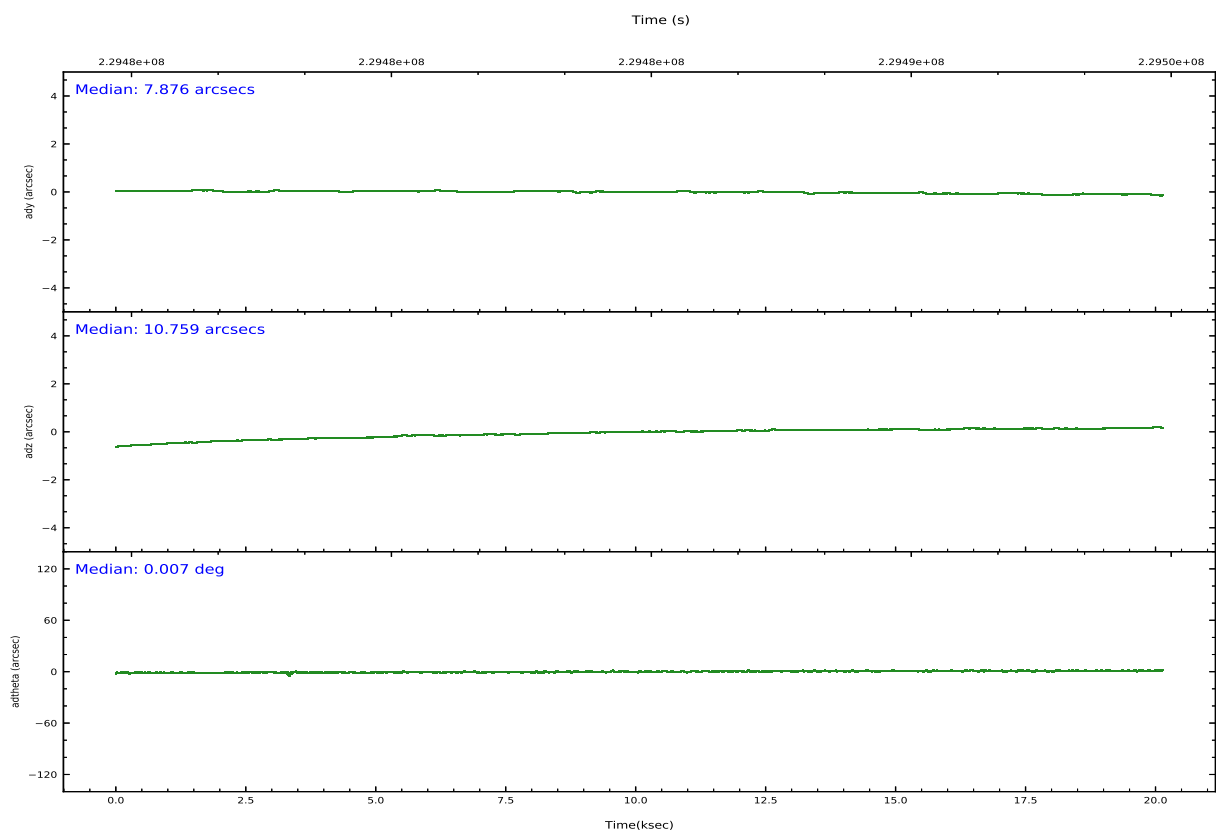
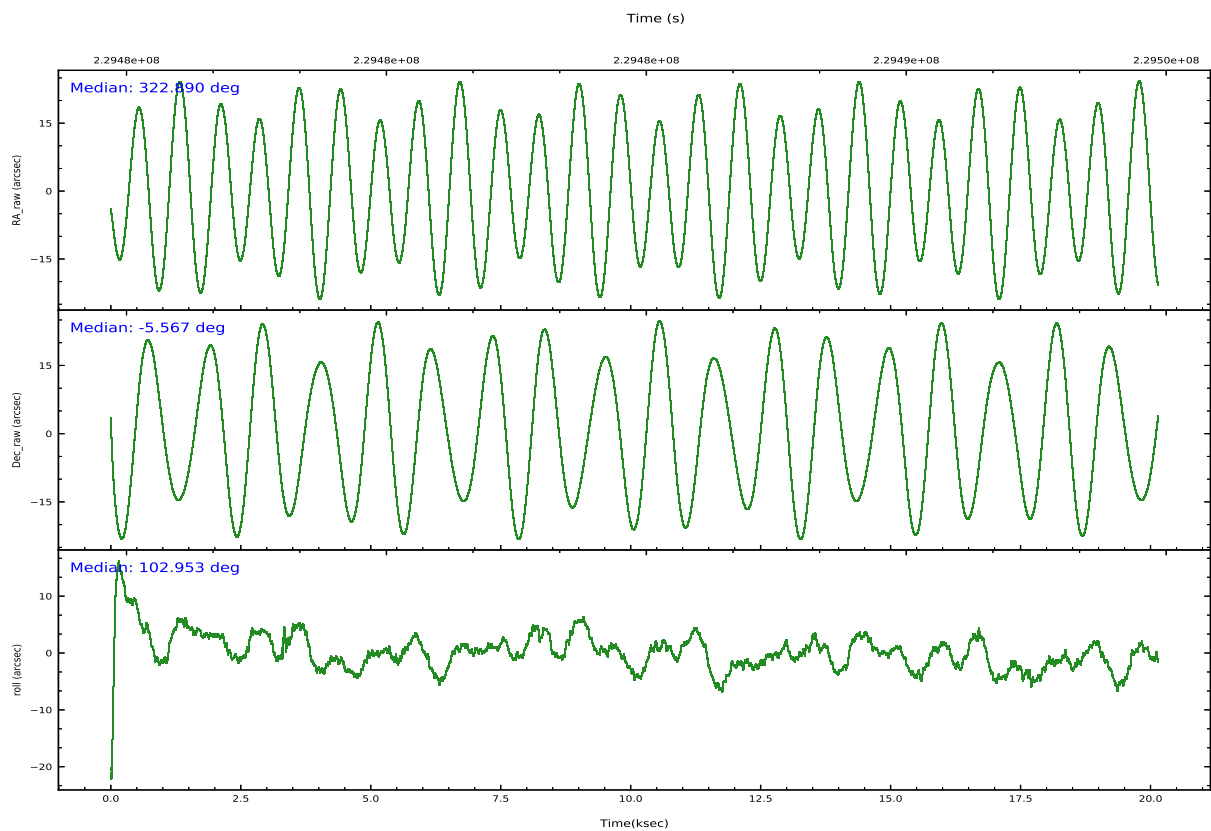
2.2 Compared Parameters

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	322.909312	322.89389108756
[deg] Pointing Dec	-5.586460	-5.5687386694287
[deg] Pointing Roll	103.061045	102.95302548379
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9804656746847
[mm] SIM translation stage offset	0	0.005023216916882234
[s] Observation start time (MET)	229474844.184000	229473585.43639
Observation start date	2005-04-09T22:59:40	2005-04-09T22:39:45
[s] Observation end time (MET)	229494844.184000	229495295.44988
Observation end date	2005-04-10T04:33:00	2005-04-10T04:41:35

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

2.3 Aspect



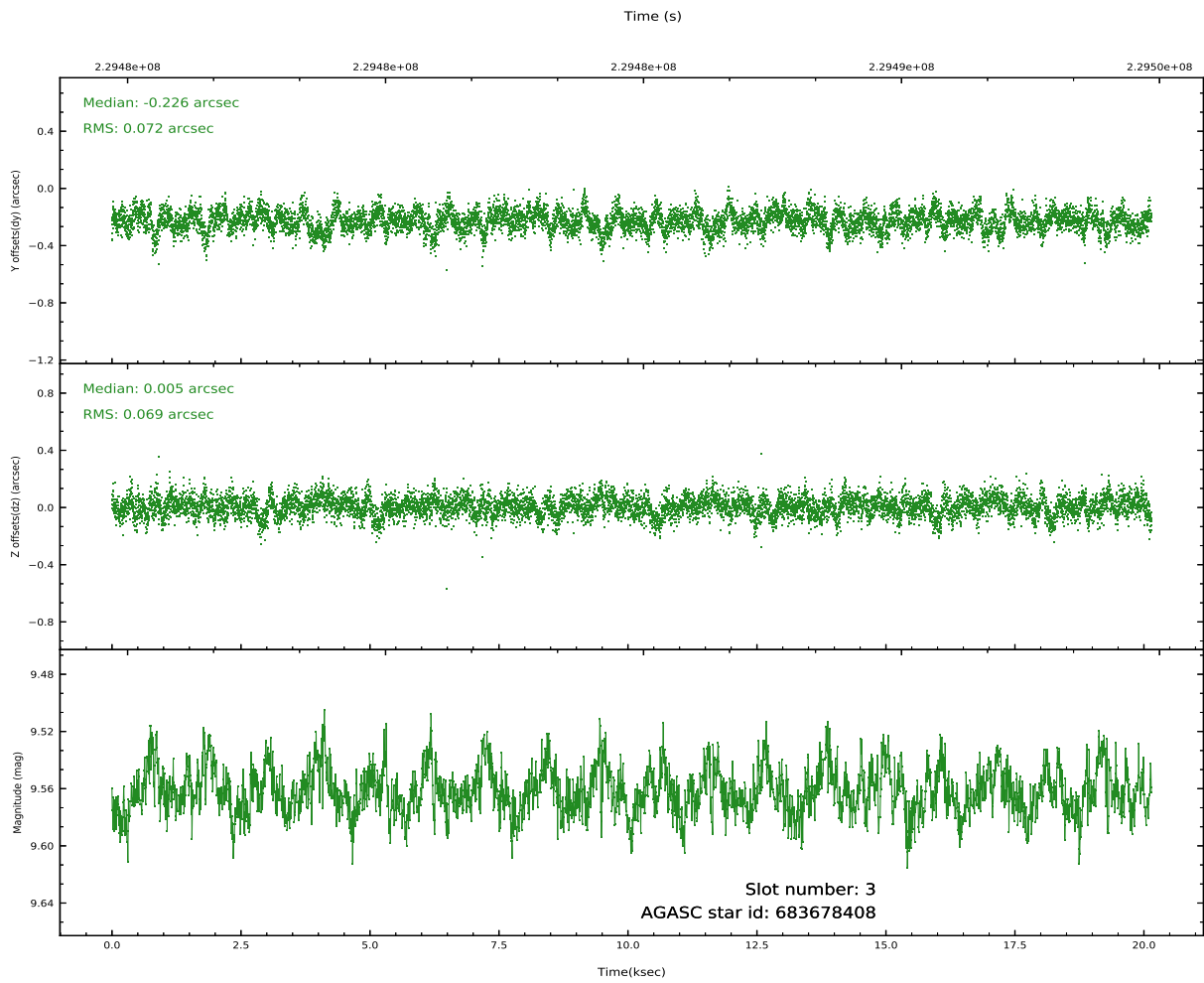
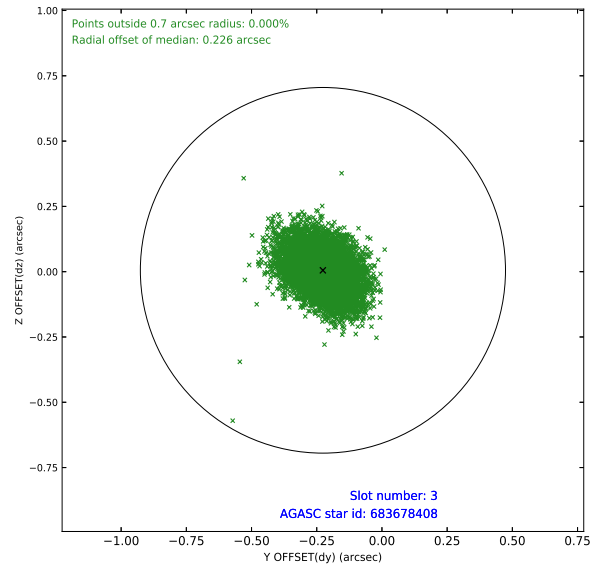
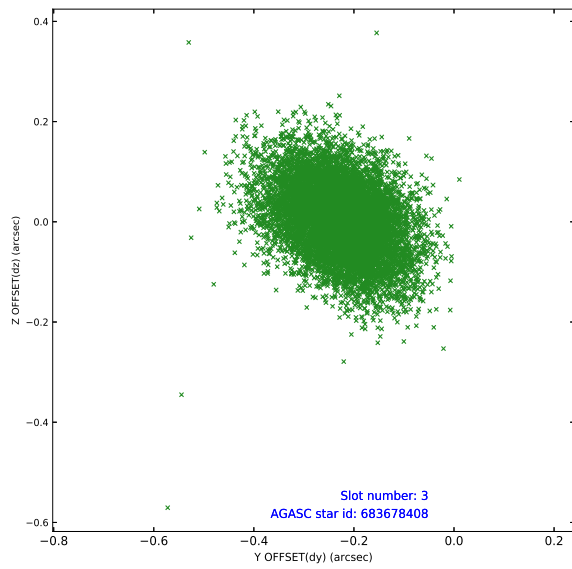


Slot Statistics

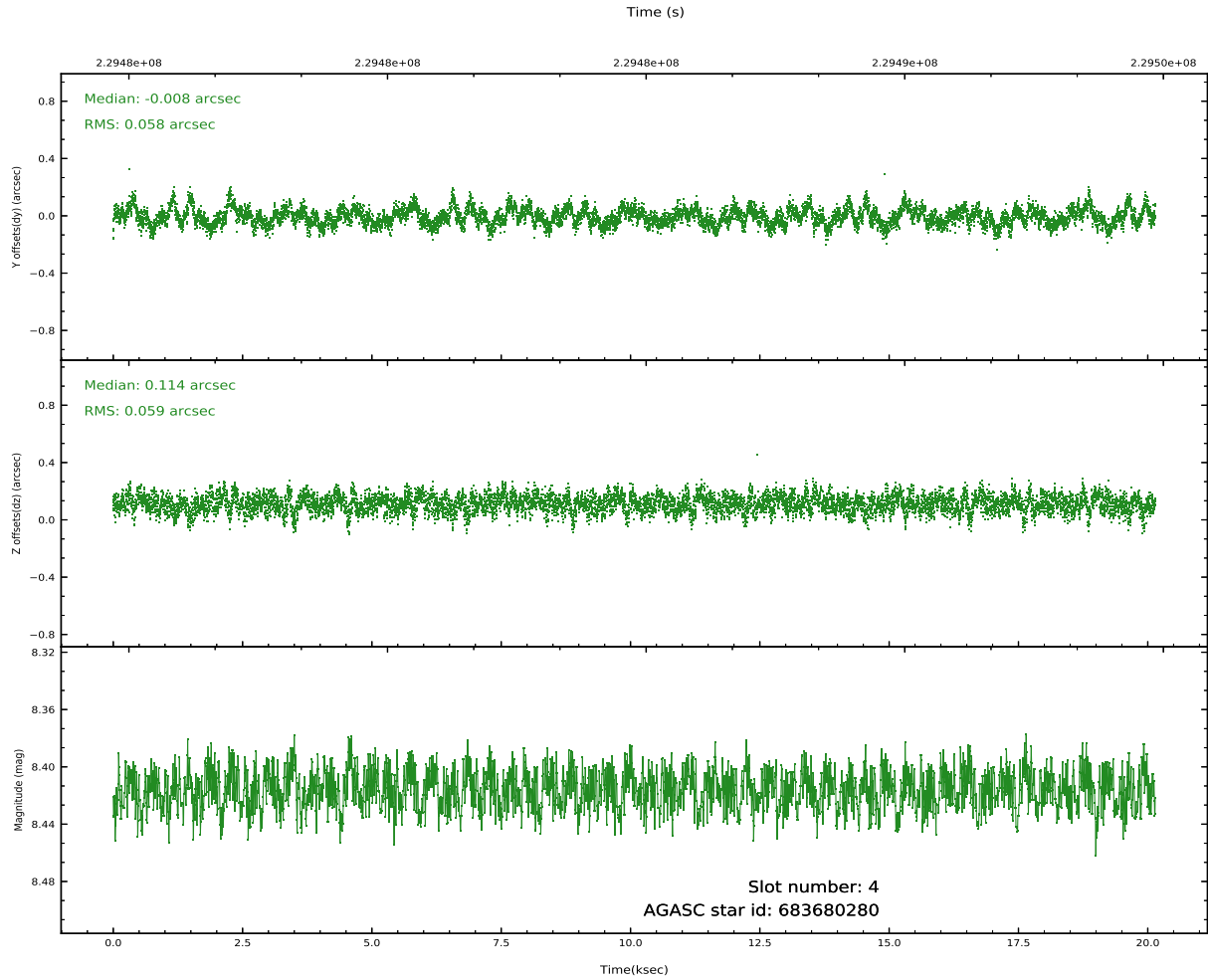
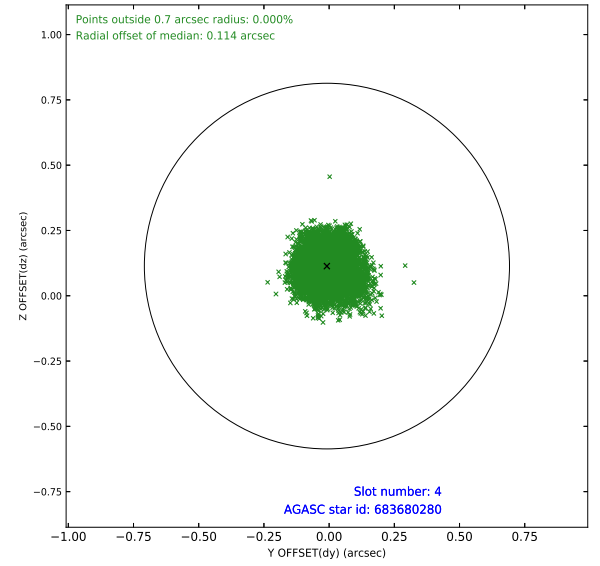
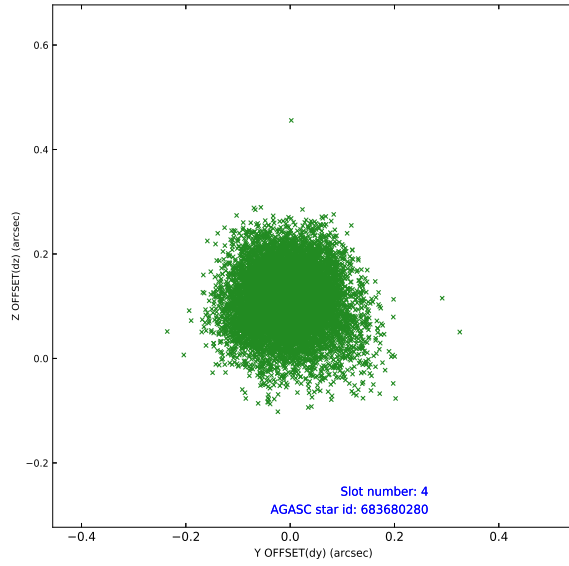
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.01	4914	1.000	0.042	-0.059	0.006	0.011	0.000000	0.000000	849.24	-1300
1	FID		HRC-I-3	7.06	4914	1.000	-0.072	-0.022	0.006	0.011	0.000000	0.000000	-1191.88	1005
2	FID		HRC-I-4	7.00	4914	1.000	0.149	-0.006	0.006	0.011	0.000000	0.000000	1279.20	1003
3	GUIDE	used	683678408	9.56	9824	1.000	-0.226	0.005	0.103	0.176	323.151188	-5.184055	1215.65	-1171
4	GUIDE	used	683680280	8.42	9824	1.000	-0.008	0.114	0.087	0.144	323.474661	-5.479200	-81.67	-2060
5	GUIDE	used	683683296	8.08	9829	1.000	-0.081	0.034	0.073	0.118	323.442990	-5.418620	156.04	-1999
6	GUIDE	used	684200944	9.66	9821	1.000	0.188	-0.171	0.110	0.188	323.003491	-6.195563	-2211.29	166
7	GUIDE	used	684204648	9.29	9816	1.000	0.135	0.022	0.094	0.161	323.288806	-5.982190	-1694.61	-1001

2.4 Star Slots

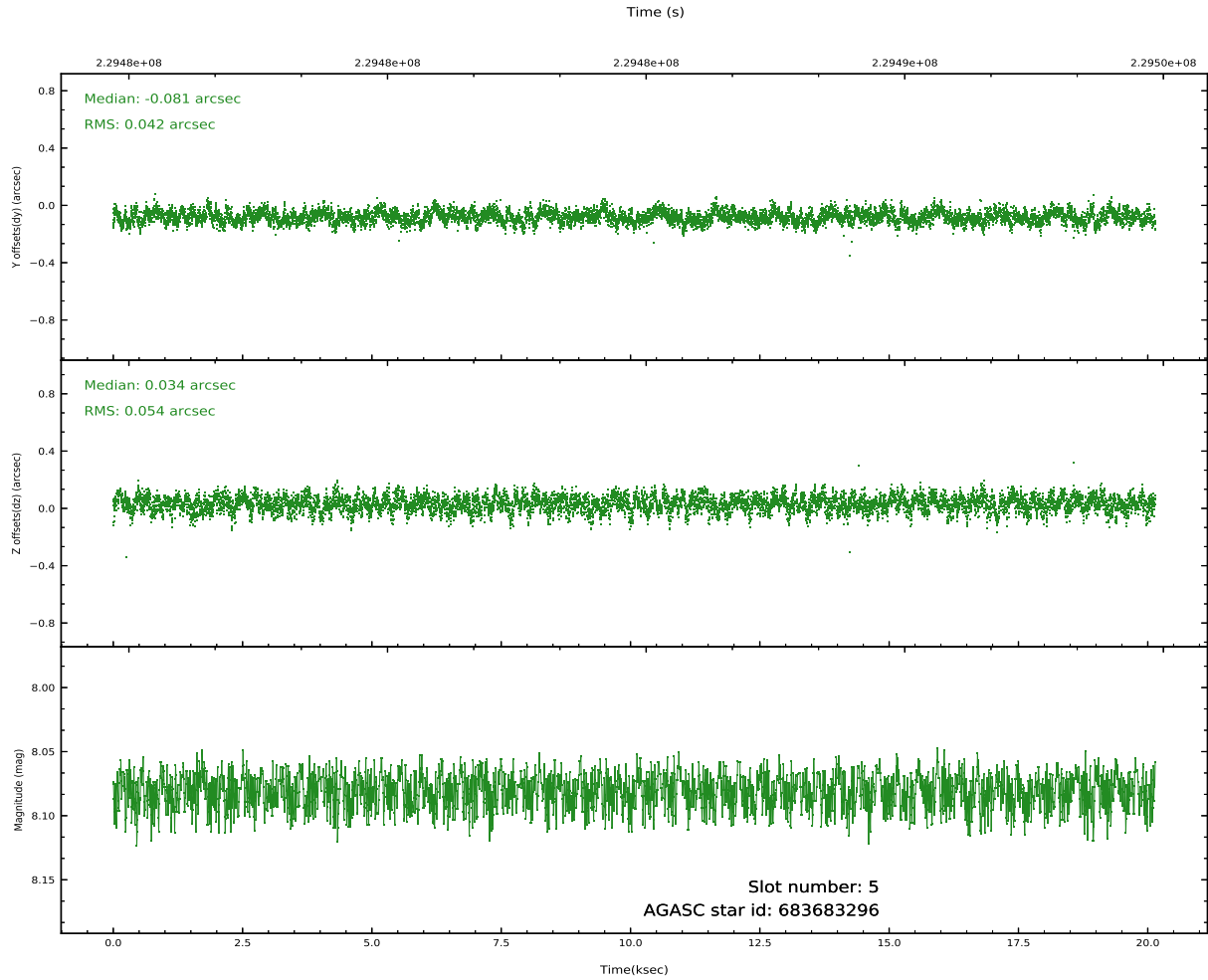
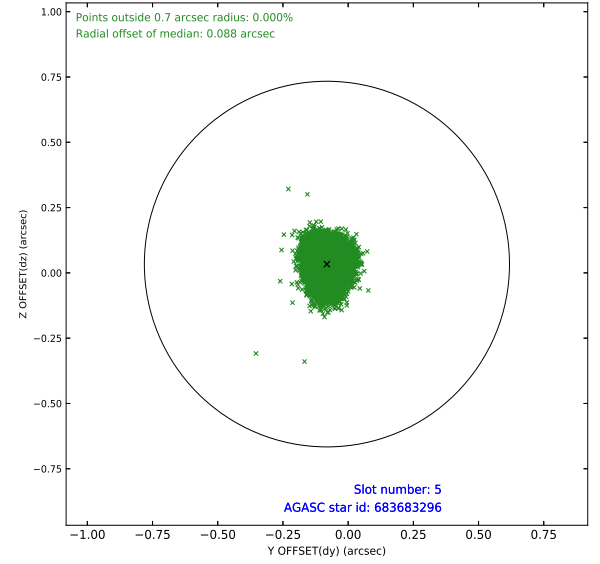
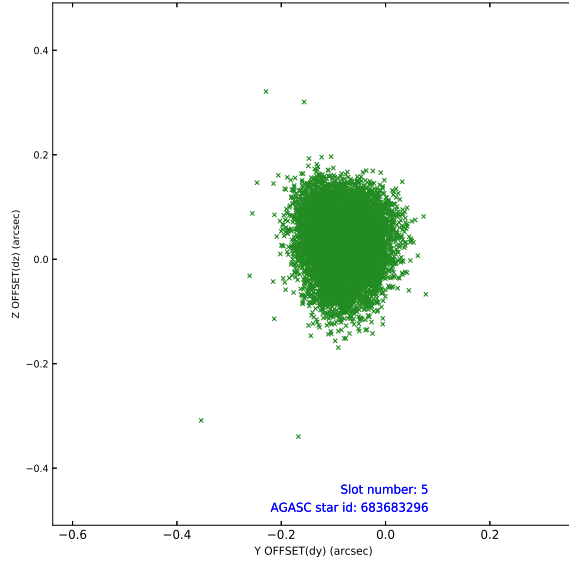
2.4.1 Slot 3



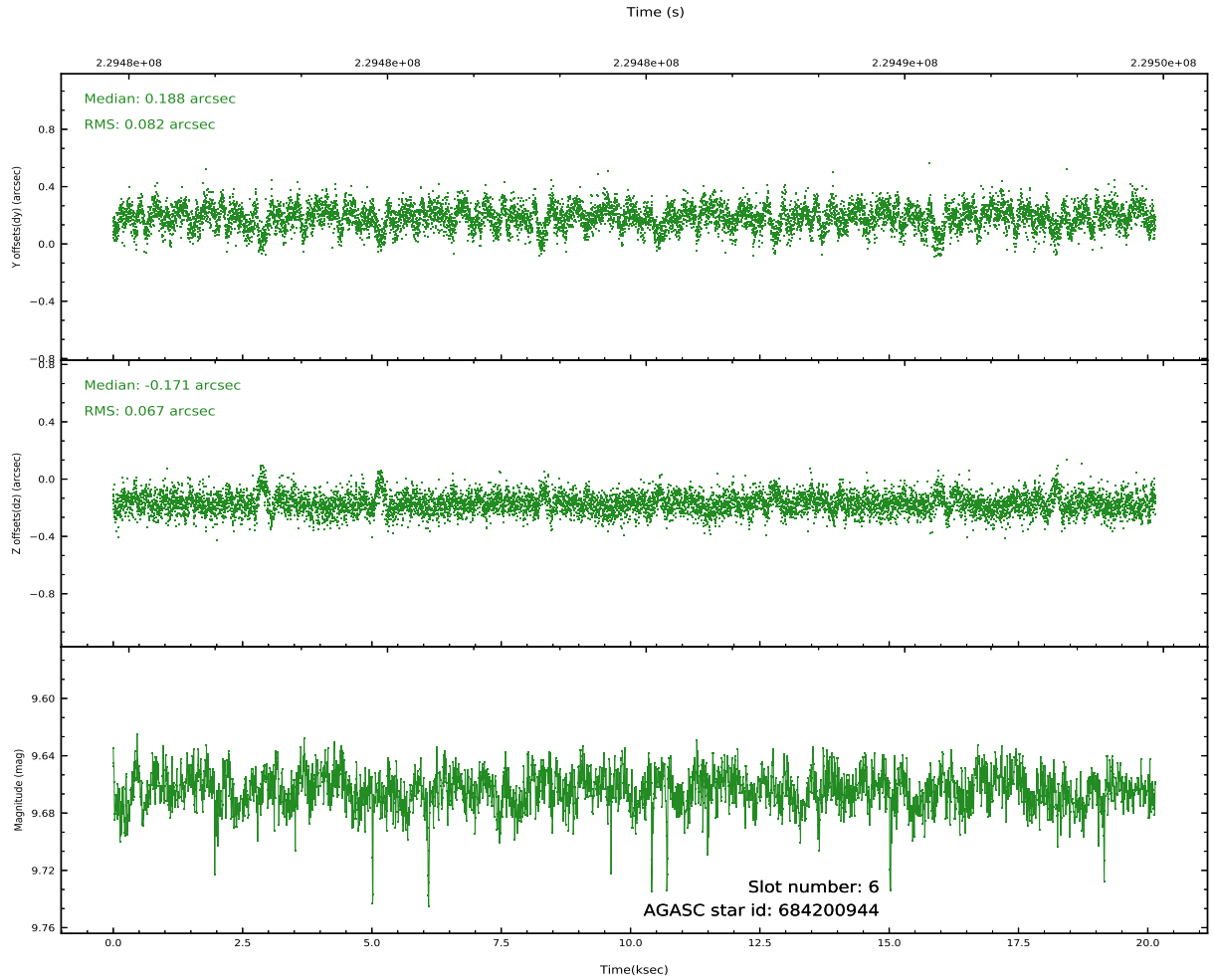
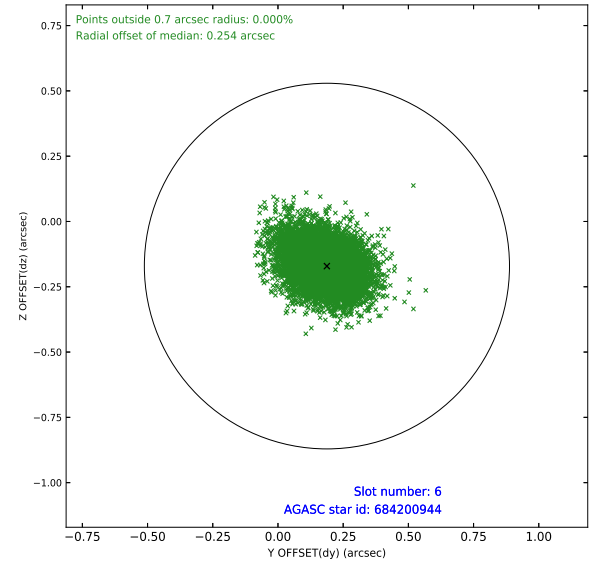
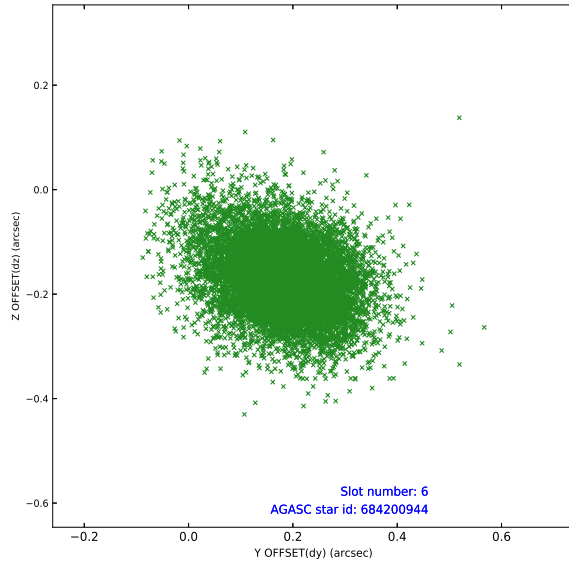
2.4.2 Slot 4



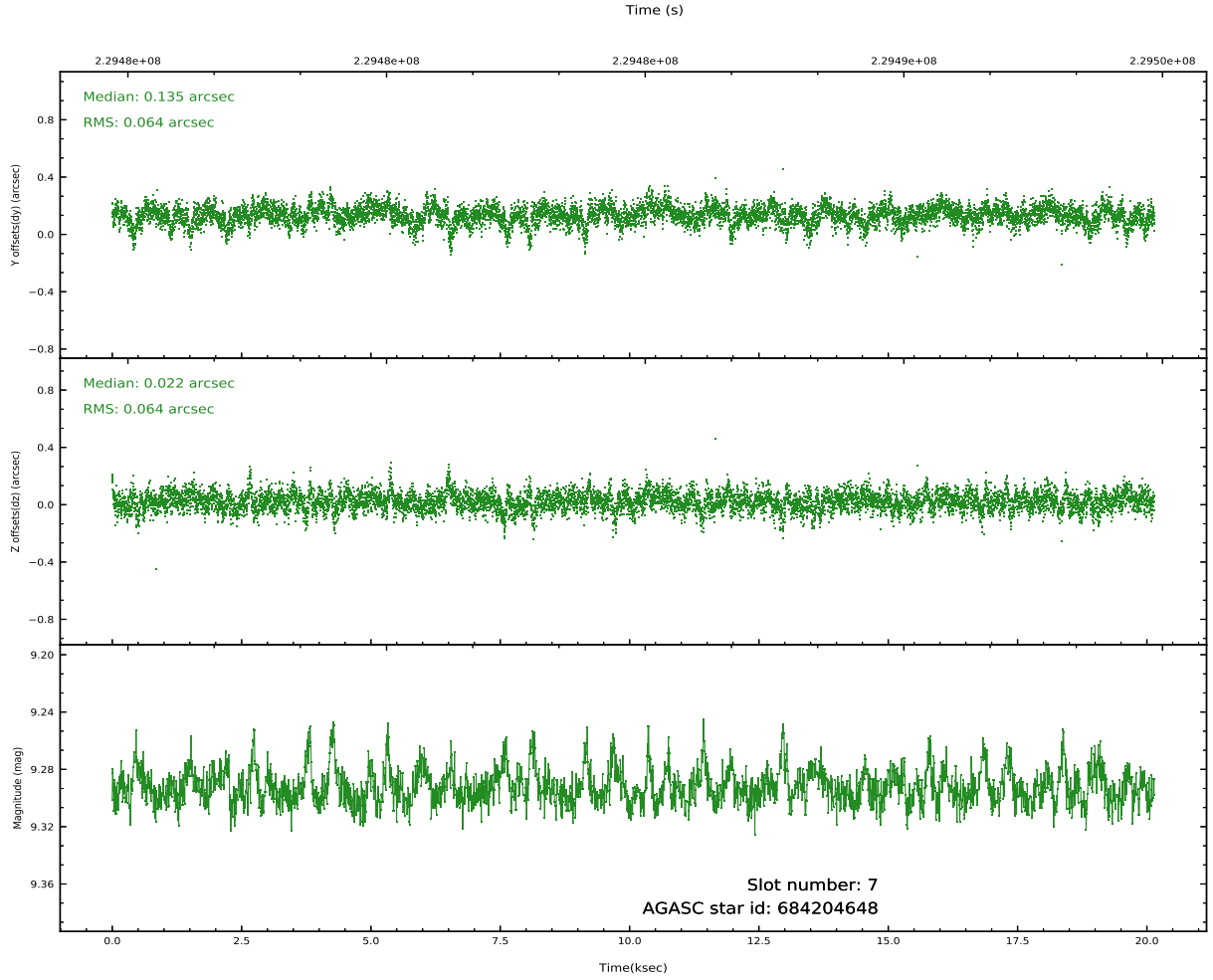
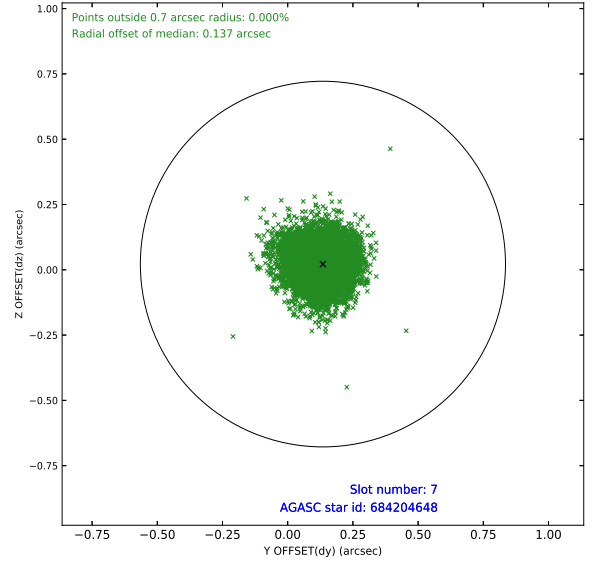
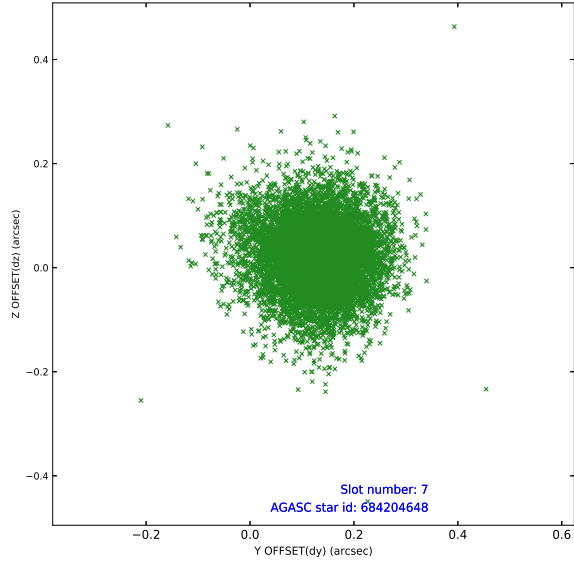
2.4.3 Slot 5



2.4.4 Slot 6

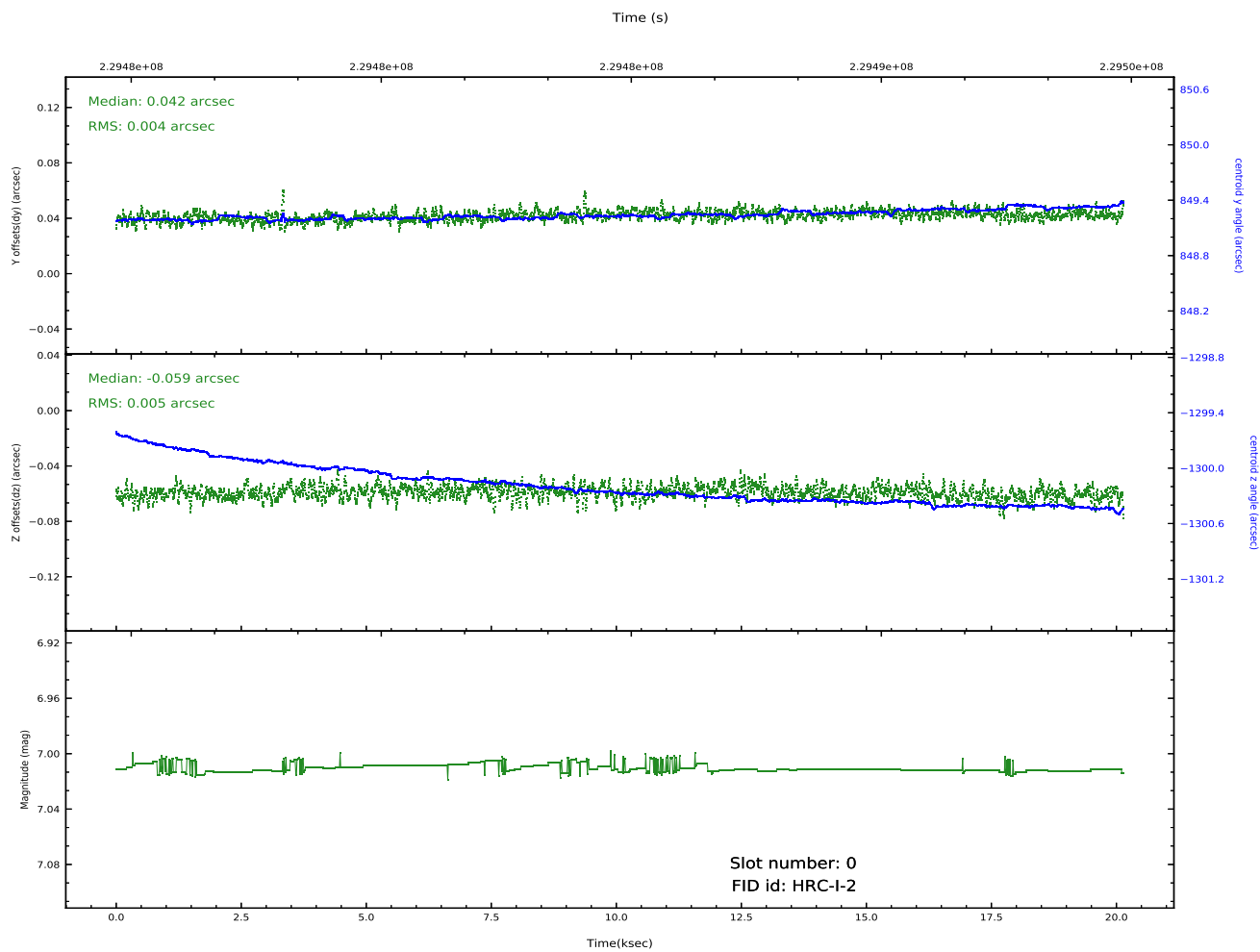
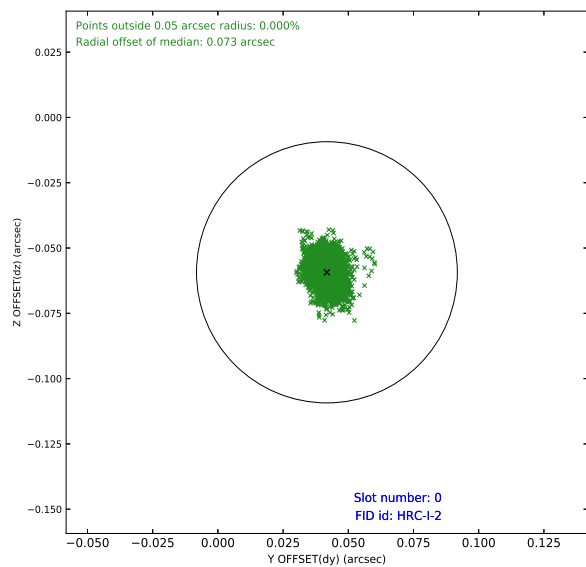
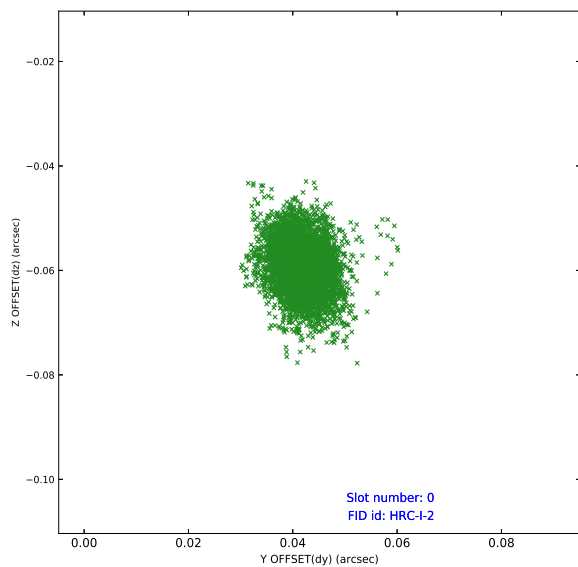


2.4.5 Slot 7

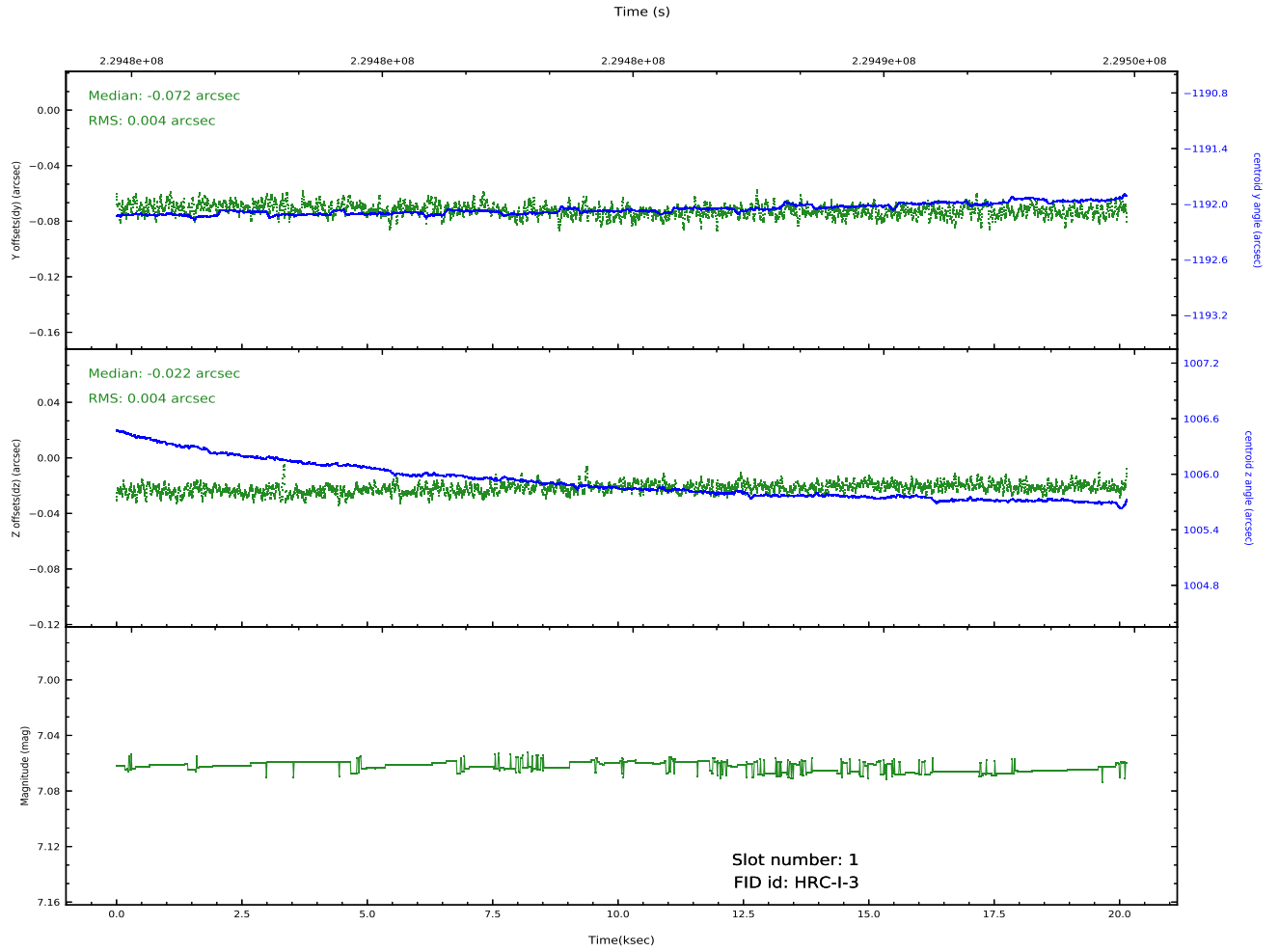
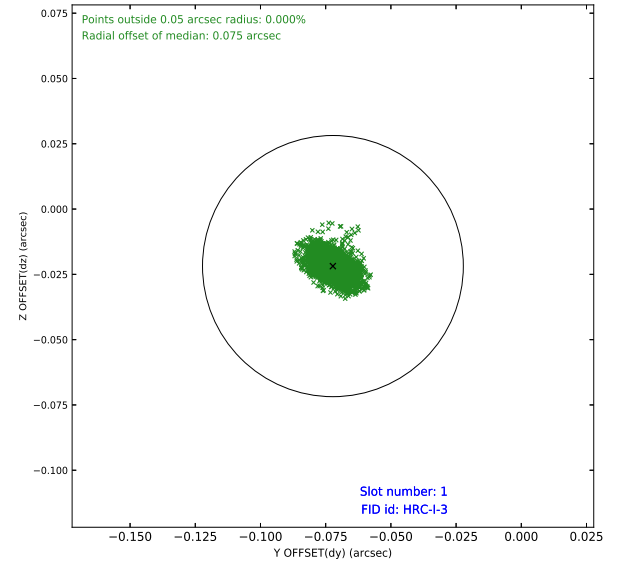
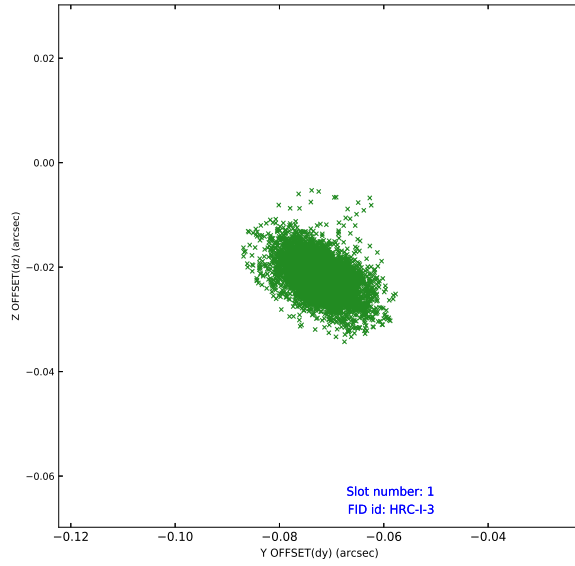


2.5 FID Slots

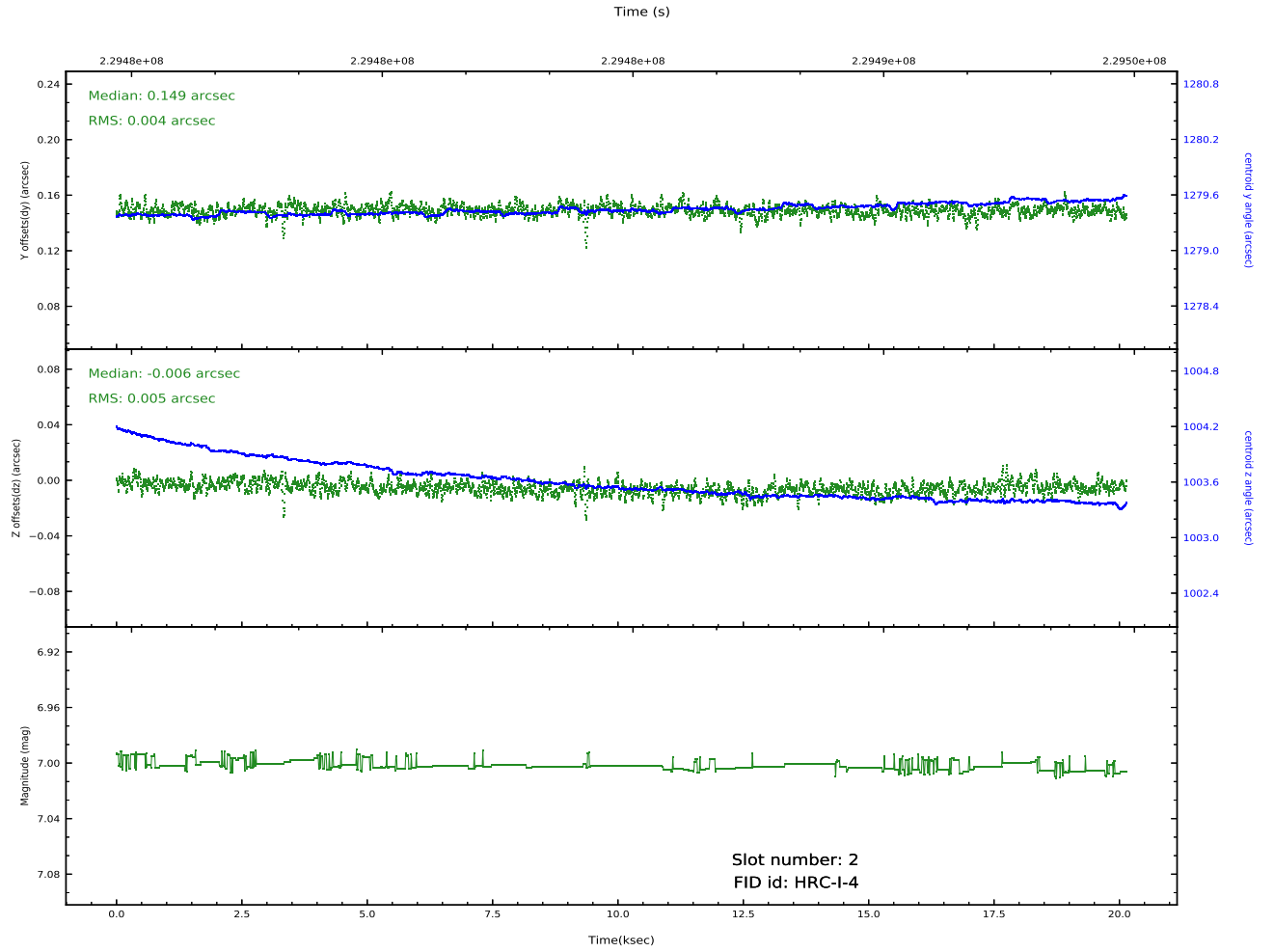
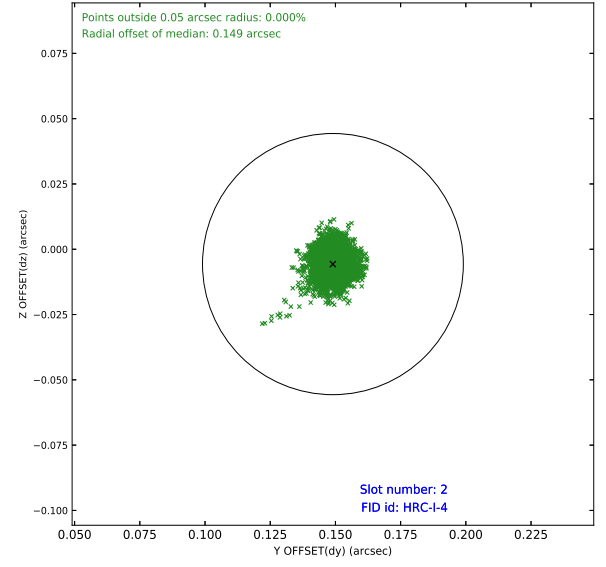
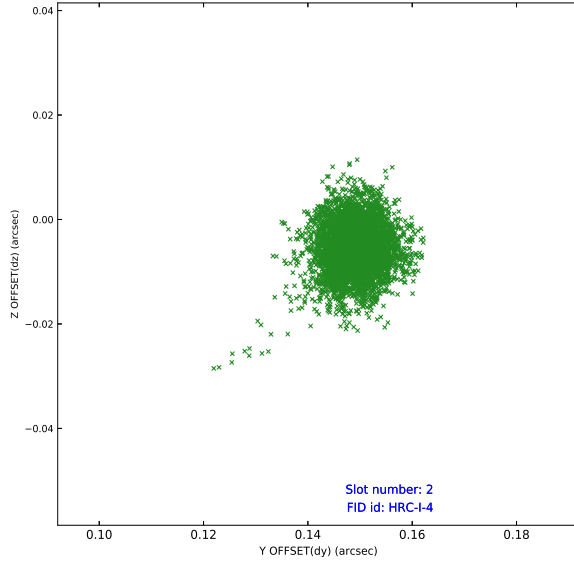
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.14637

A.2 Comments

Joint proposal with HST.