

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5508 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 8 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

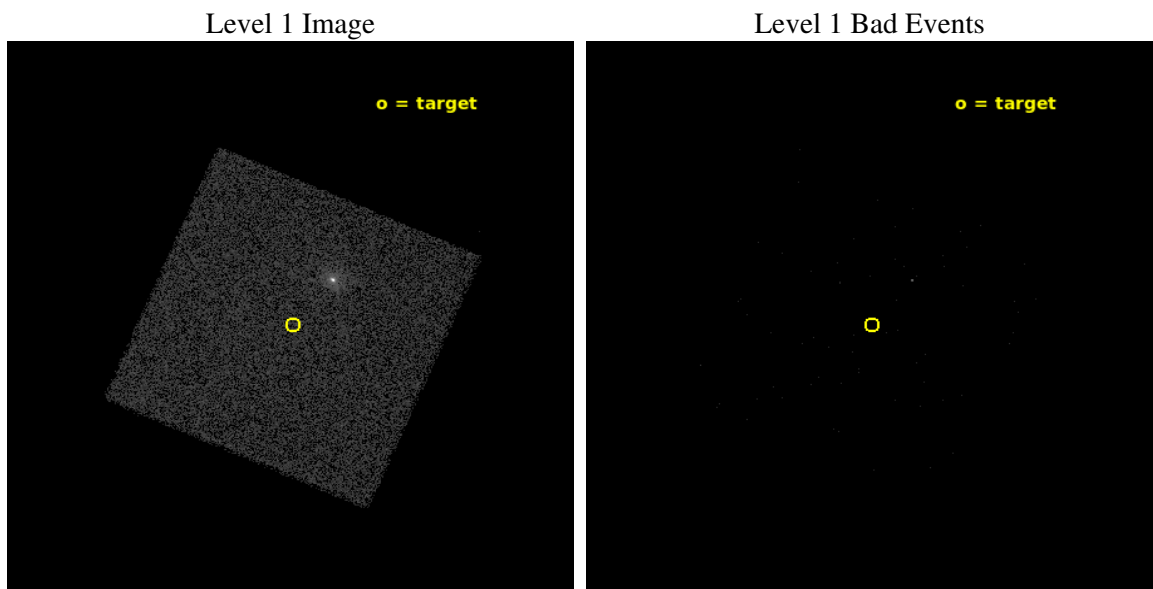
seq_num	400438	Sequence number
obs_id	5508	Observation id
title	Precise Localization of Neutron Star Soft X-ray Transients	Proposa
observer	Deepto Chakrabarty	Principal investigator
object	XTE J1747-274	Source name
ra_targ	266.908333	Observer's specified target RA [deg]
dec_targ	-27.433333	Observer's specified target Dec [deg]
ra_nom	266.91530405043	Nominal RA [deg]
dec_nom	-27.433821386598	Nominal Dec [deg]
roll_nom	68.571332162872	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1118.2750510275	[s]
livetime	1109.703450369	Ontime multiplied by DTCOR
l2events	50510	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1118.2750510275	[s]
caldbver	4.9.2	 	l1events	153439	Number of level 1 events
date	2020-10-08T18:33:38	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

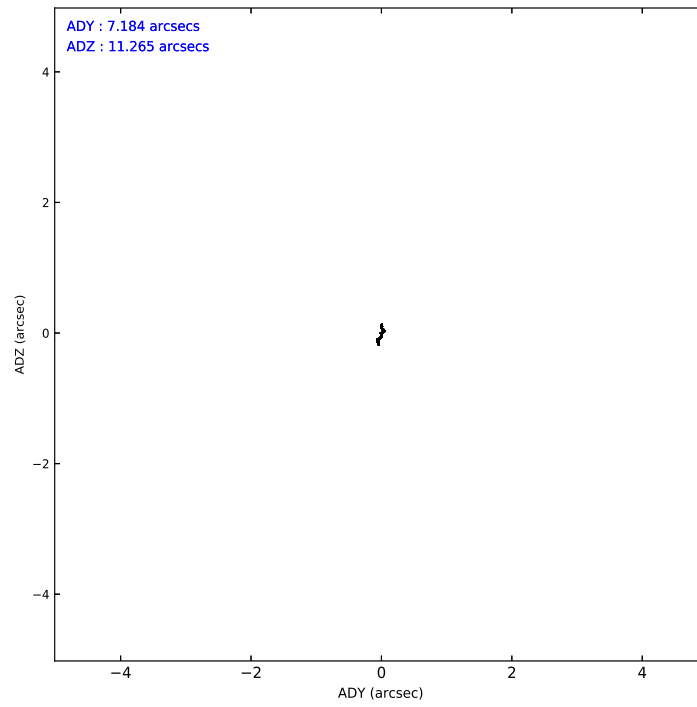
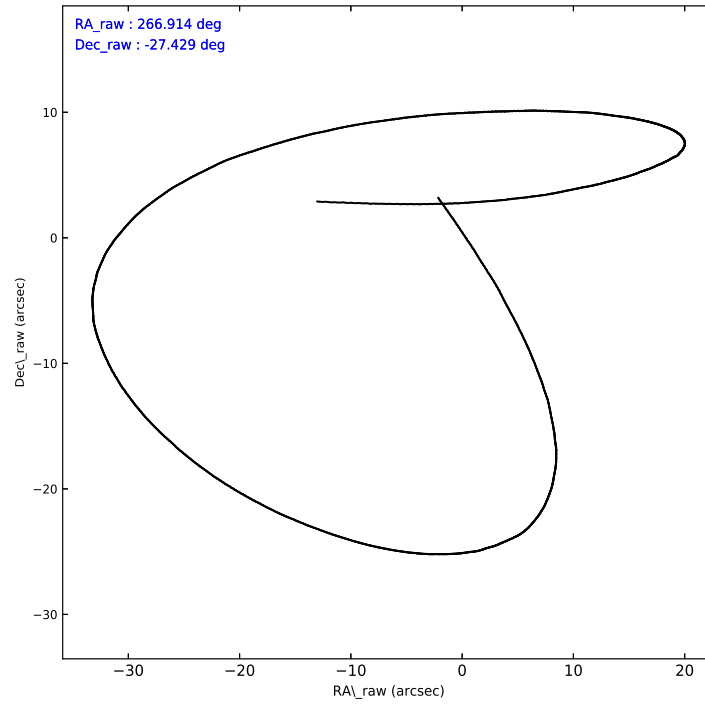
	segment 0
level 1 events	153439
rejected events	81001
rejected %	52%

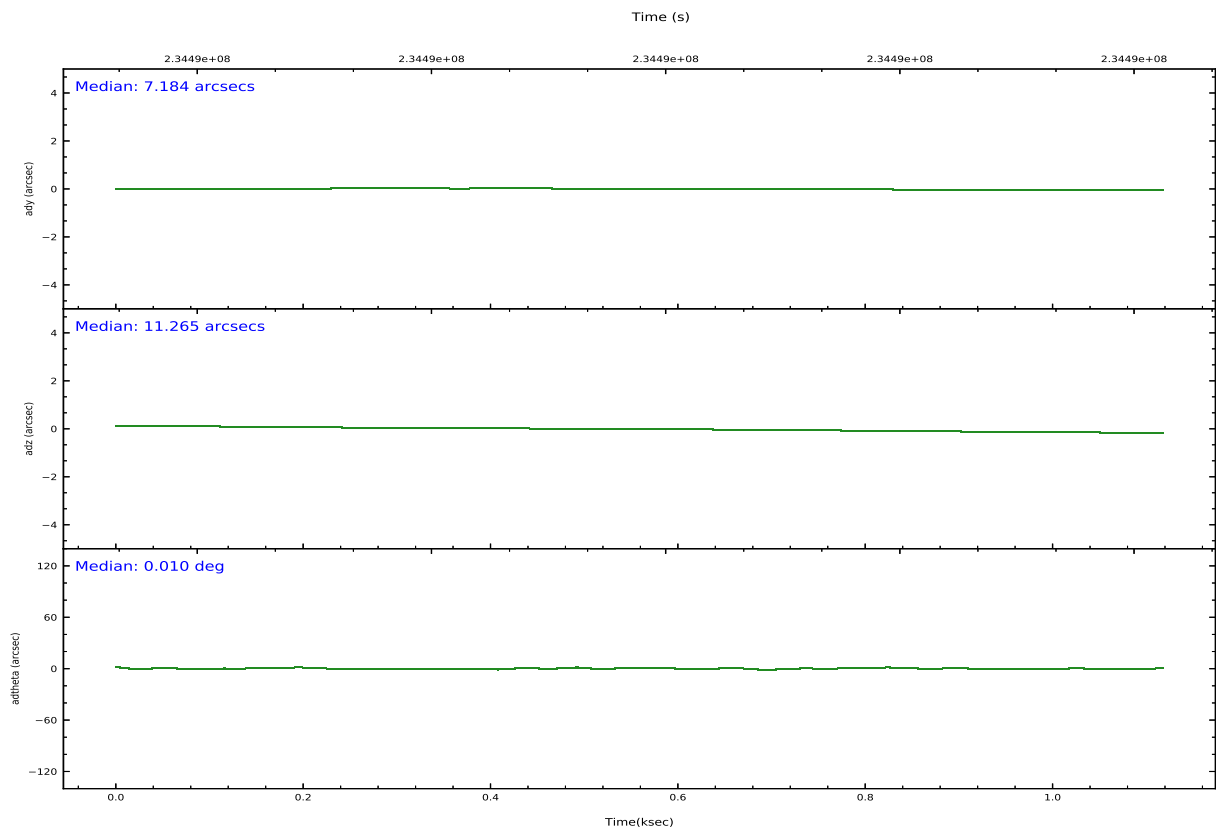
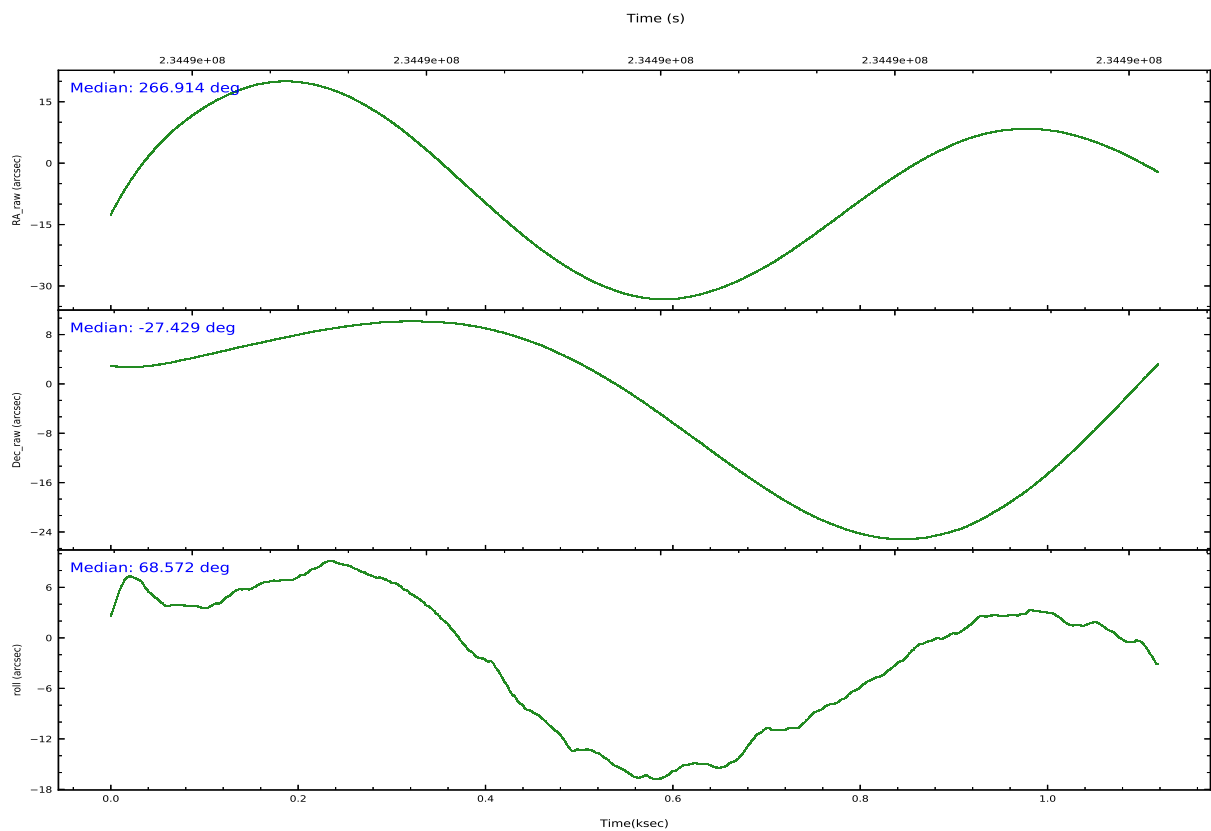
2.2 Compared Parameters

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	266.916855	266.91530405043
[deg] Pointing Dec	-27.457040	-27.433821386598
[deg] Pointing Roll	68.683194	68.571332162872
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	234490781.184000	234489397.02727
Observation start date	2005-06-07T00:18:37	2005-06-06T23:56:37
[s] Observation end time (MET)	234491781.184000	234492444.86491
Observation end date	2005-06-07T00:35:17	2005-06-07T00:47:24

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

2.3 Aspect



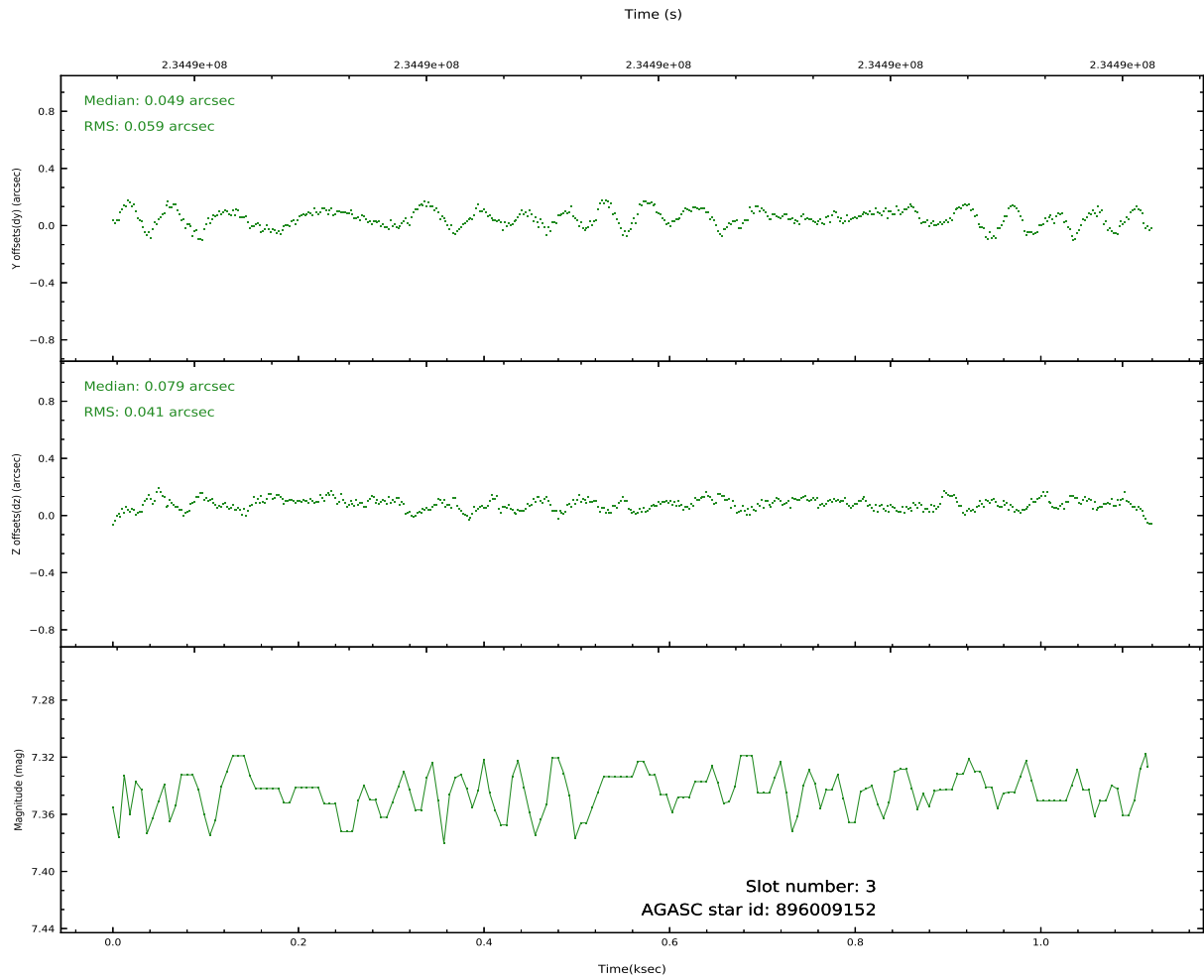
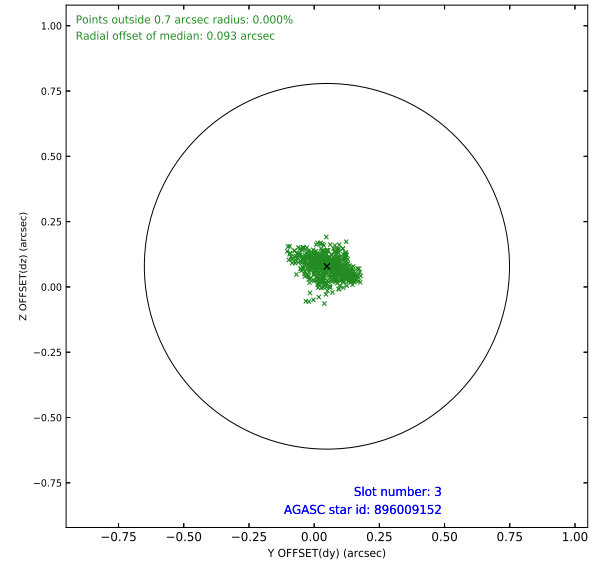
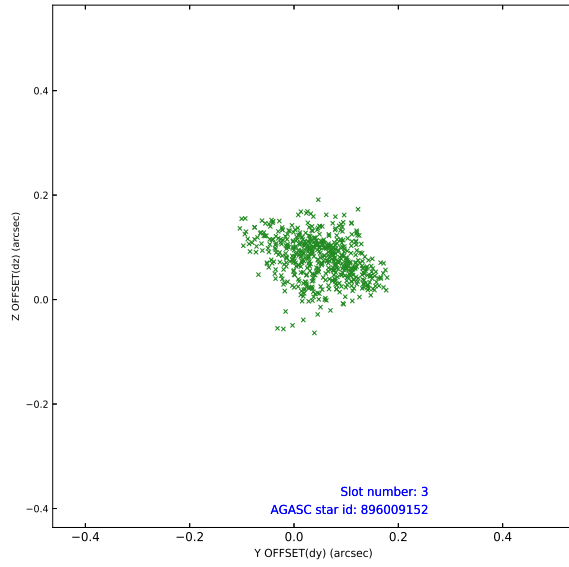


Slot Statistics

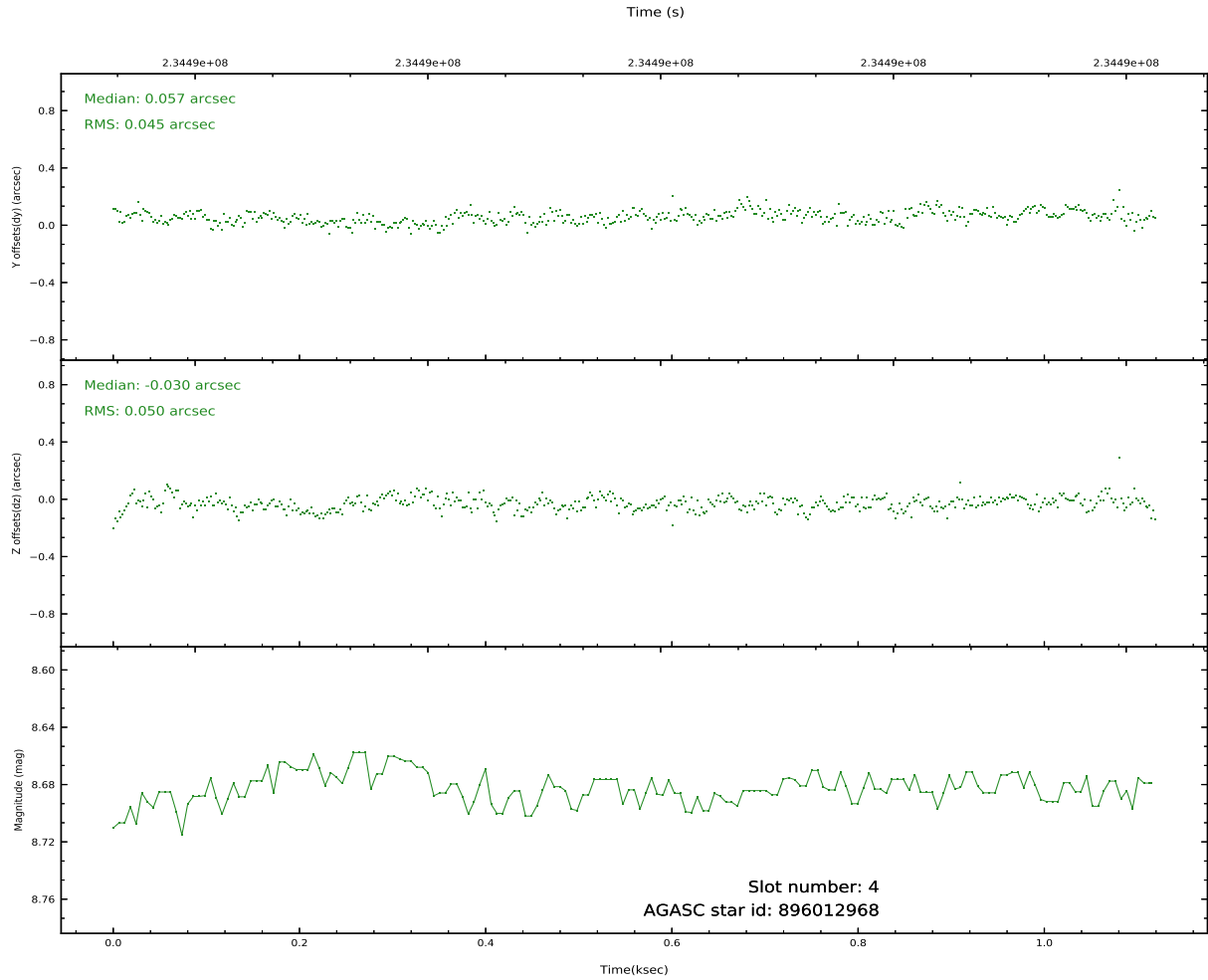
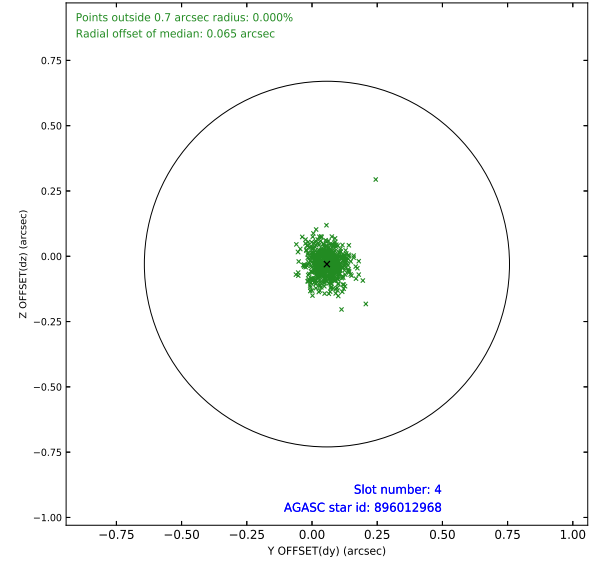
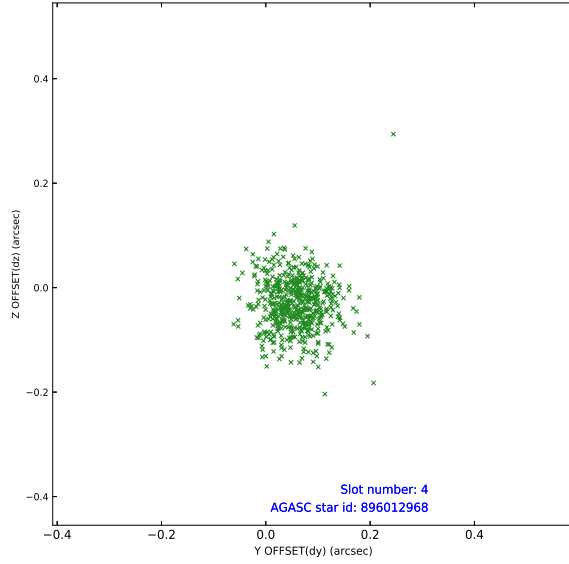
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	273	1.000	-0.018	-0.062	0.008	0.014	0.000000	0.000000	-762.81	-1299
1	FID		HRC-I-3	7.10	273	1.000	-0.061	-0.052	0.008	0.015	0.000000	0.000000	-1194.09	1000
2	FID		HRC-I-4	7.06	273	1.000	0.193	0.026	0.007	0.010	0.000000	0.000000	1275.87	1006
3	GUIDE	used	896009152	7.34	547	1.000	0.049	0.079	0.078	0.124	267.588100	-27.061669	2102.82	-1485
4	GUIDE	used	896012968	8.68	547	1.000	0.057	-0.030	0.068	0.114	266.634547	-27.600471	-805.49	652
5	GUIDE	used	896013040	7.35	547	1.000	-0.036	-0.058	0.071	0.104	266.506589	-26.972299	1143.54	1865
6	GUIDE	used	896014528	7.67	547	1.000	-0.026	-0.073	0.048	0.077	266.628858	-27.438607	-271.66	888
7	GUIDE	used	896540888	7.90	546	1.000	-0.043	0.085	0.060	0.093	267.212234	-28.246138	-2307.32	-1900

2.4 Star Slots

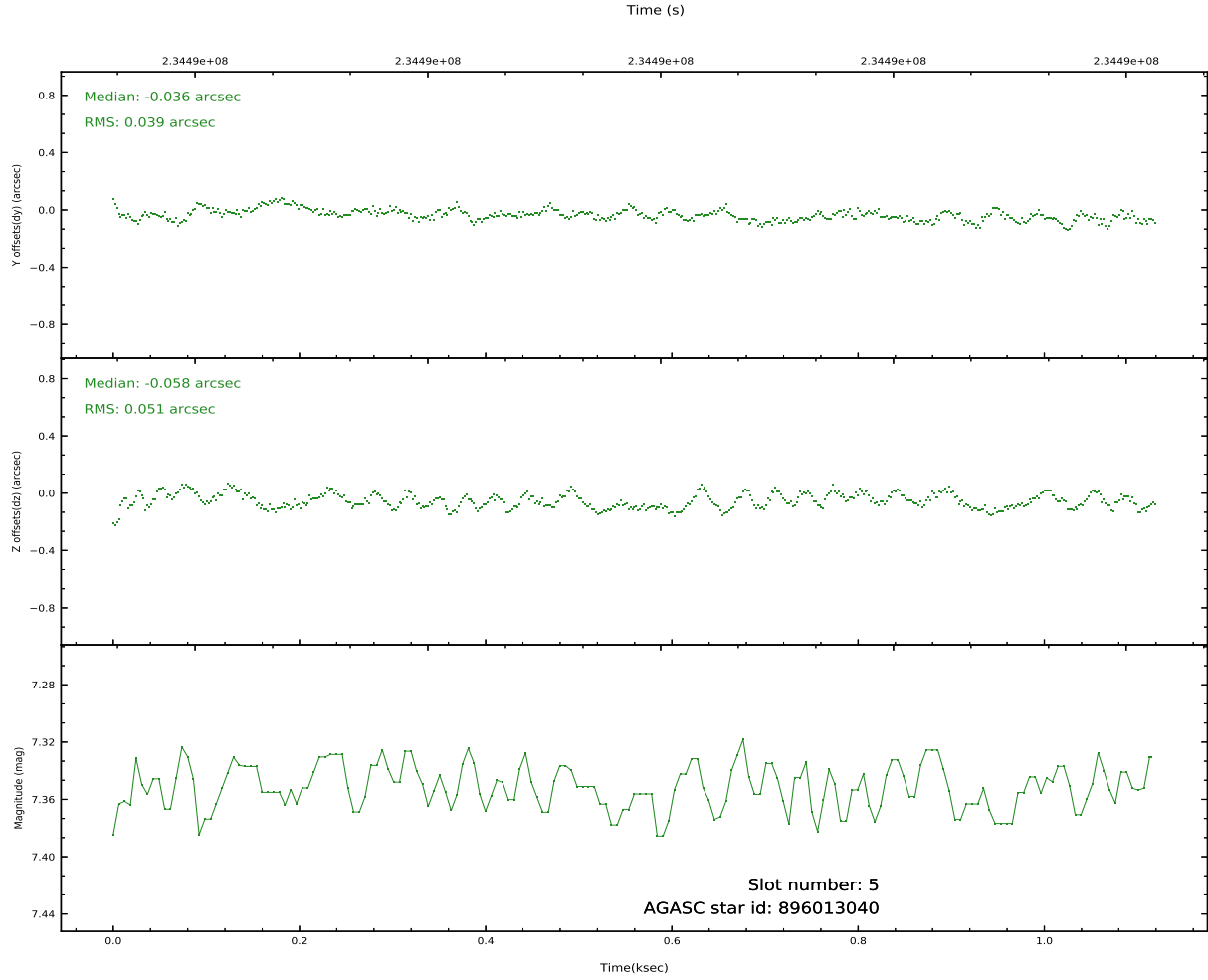
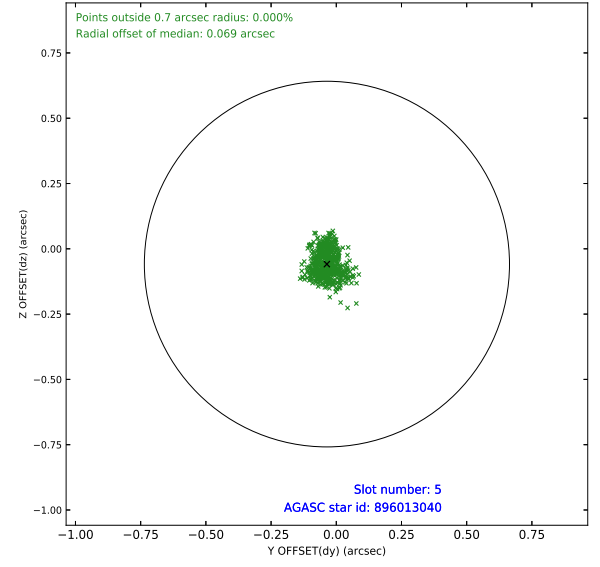
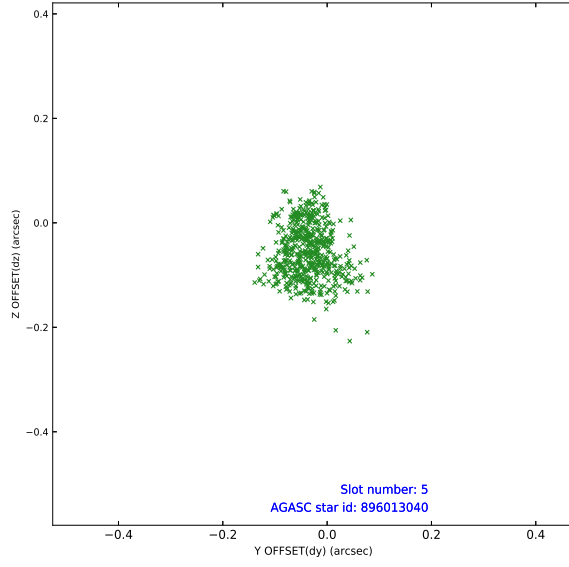
2.4.1 Slot 3



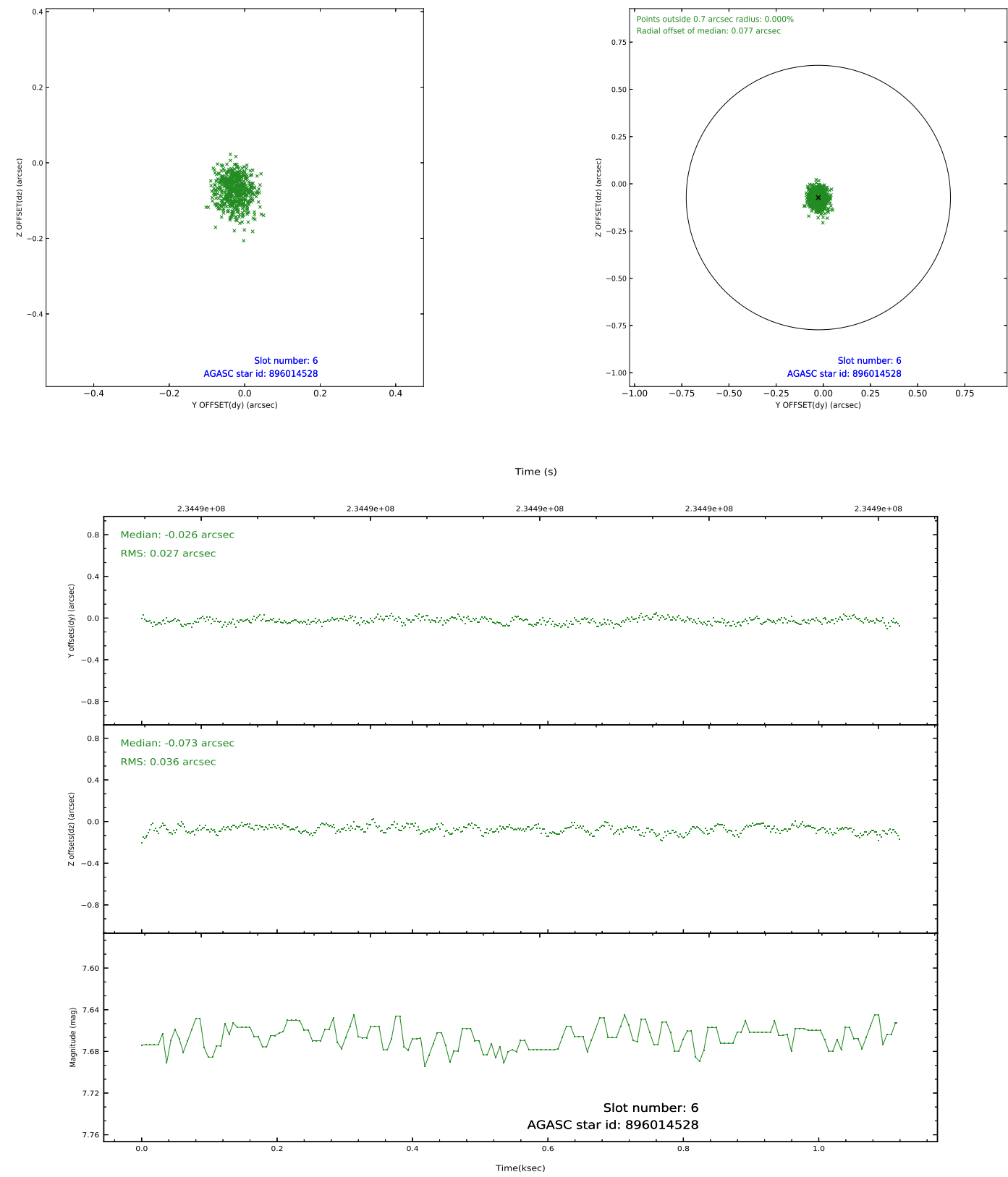
2.4.2 Slot 4



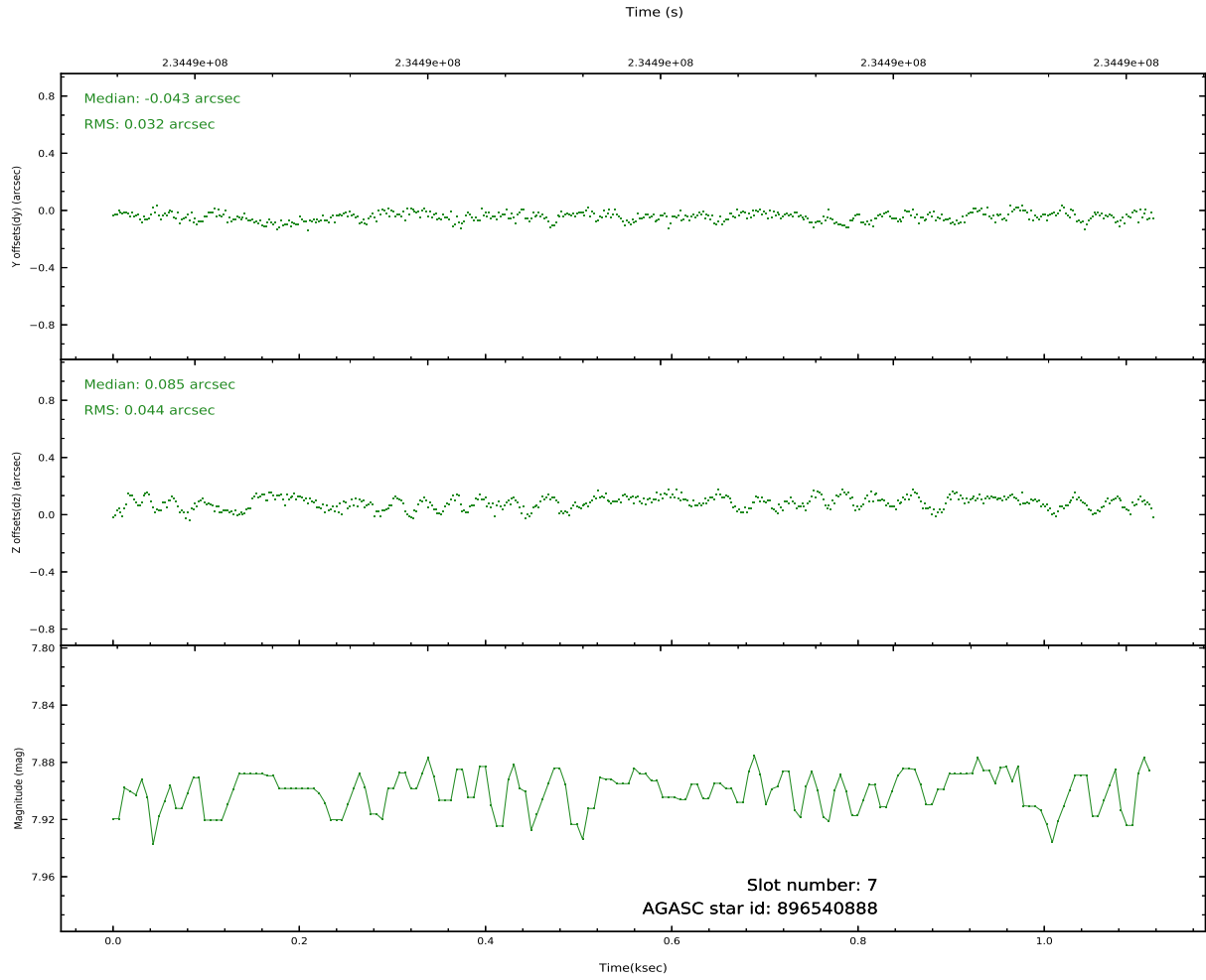
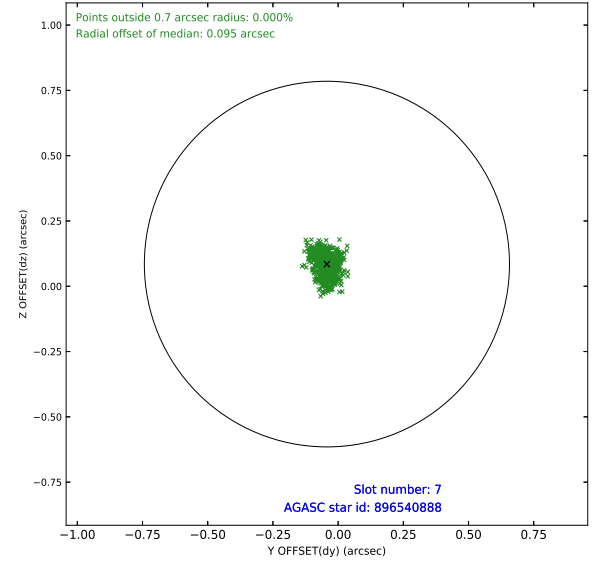
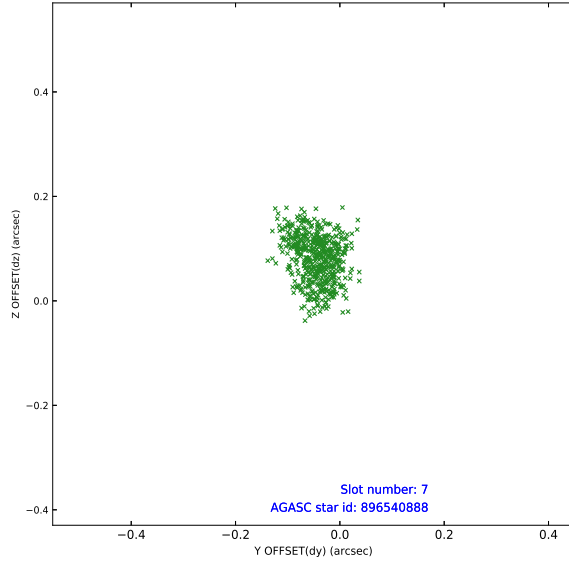
2.4.3 Slot 5



2.4.4 Slot 6

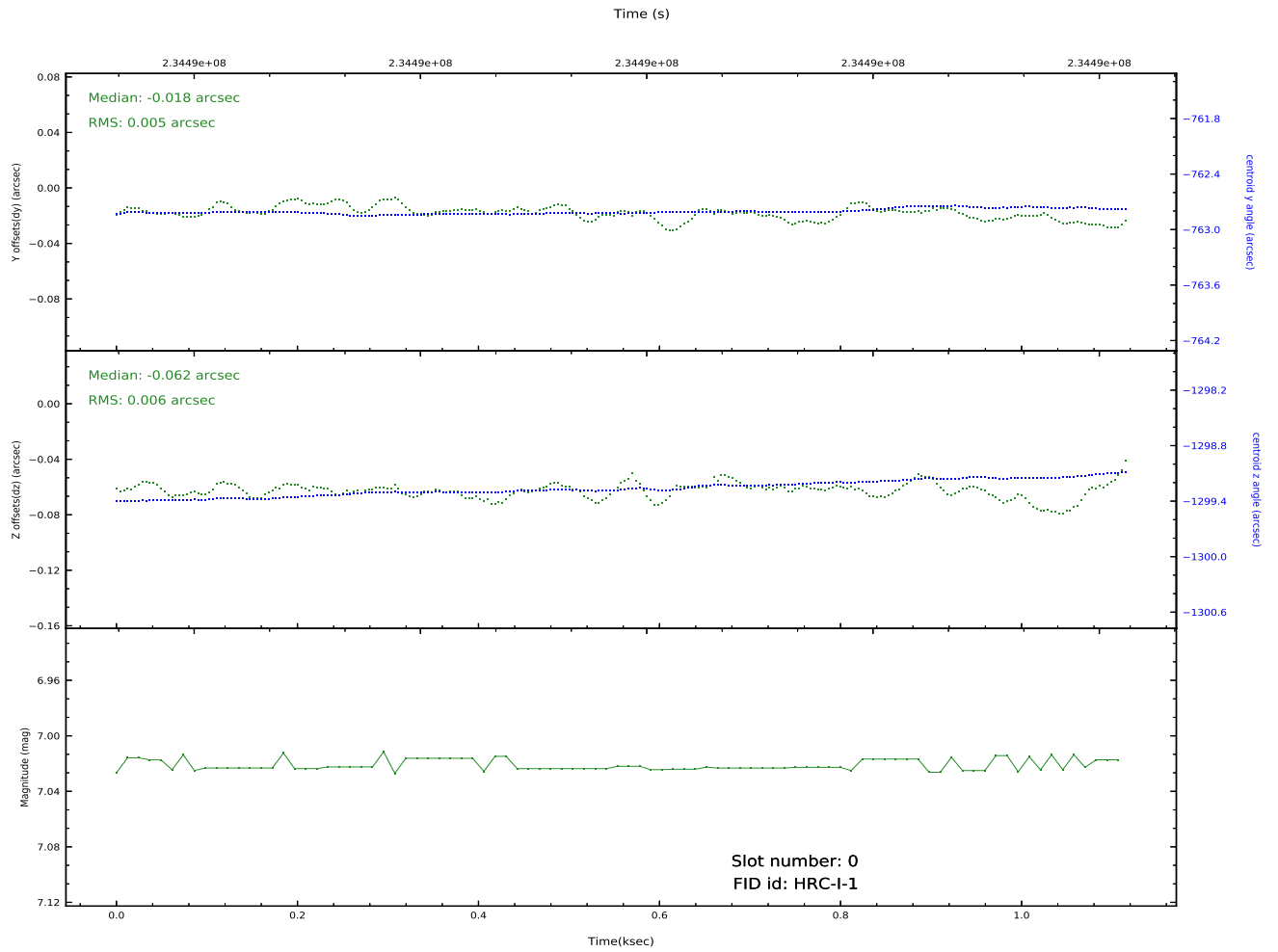
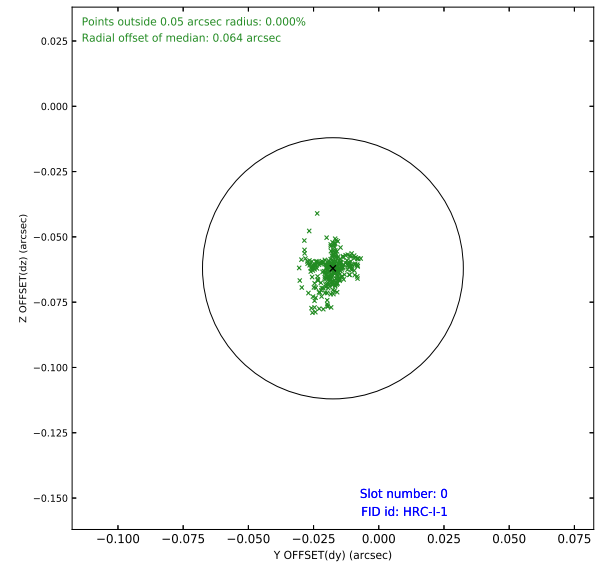
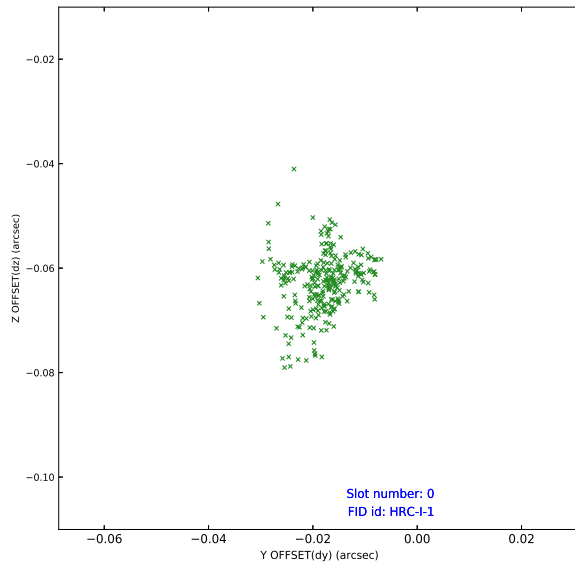


2.4.5 Slot 7

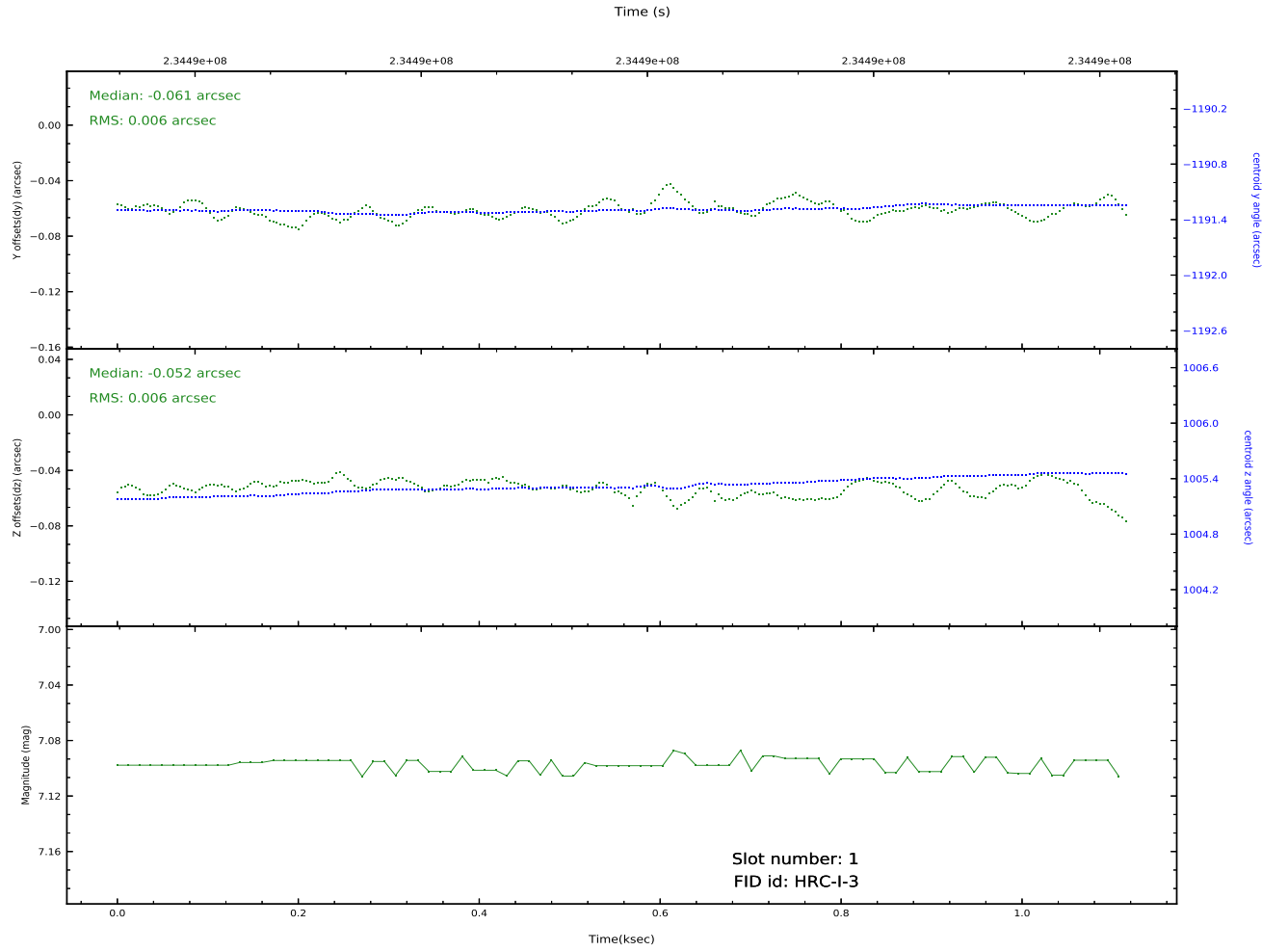
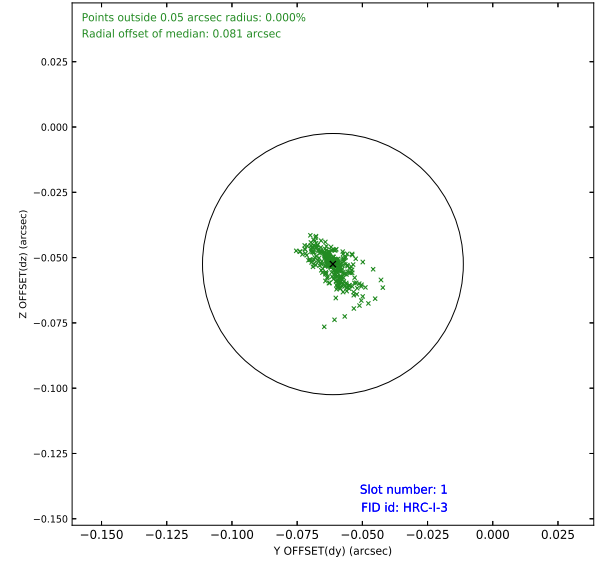
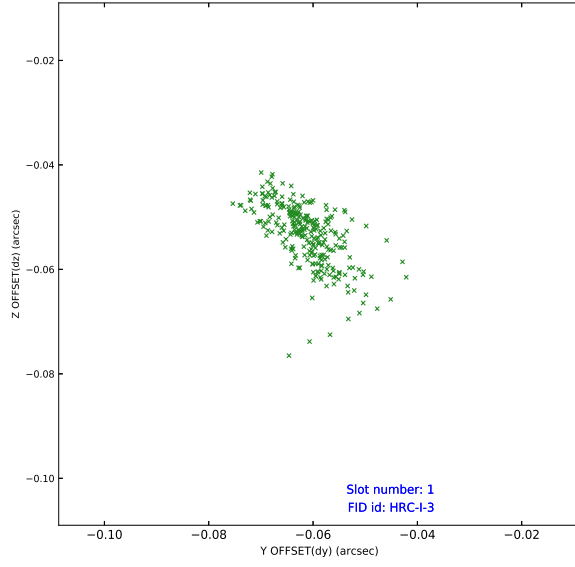


2.5 FID Slots

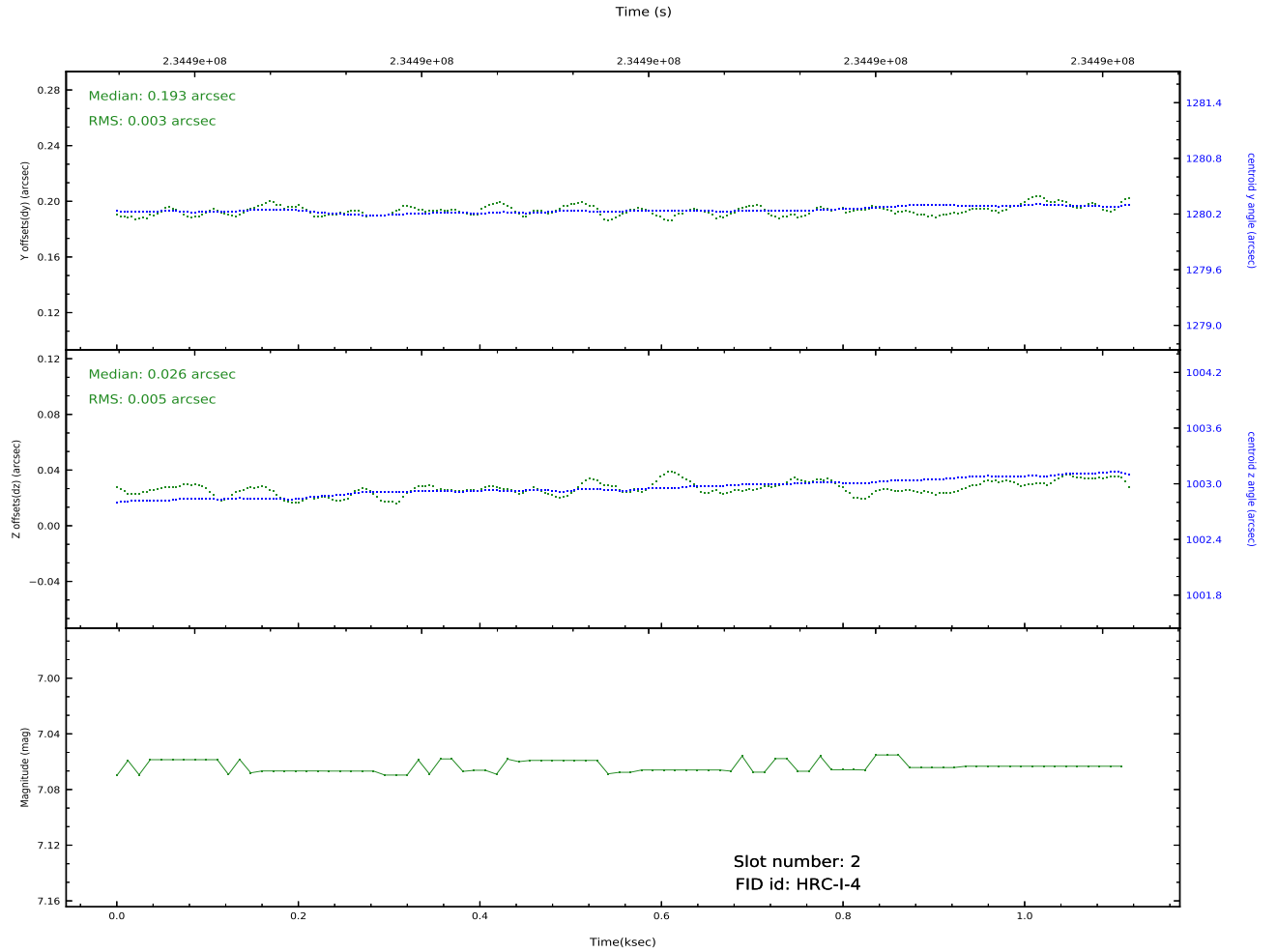
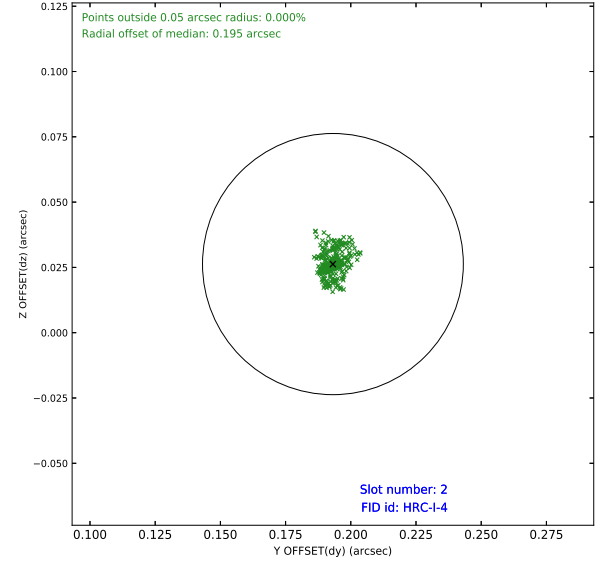
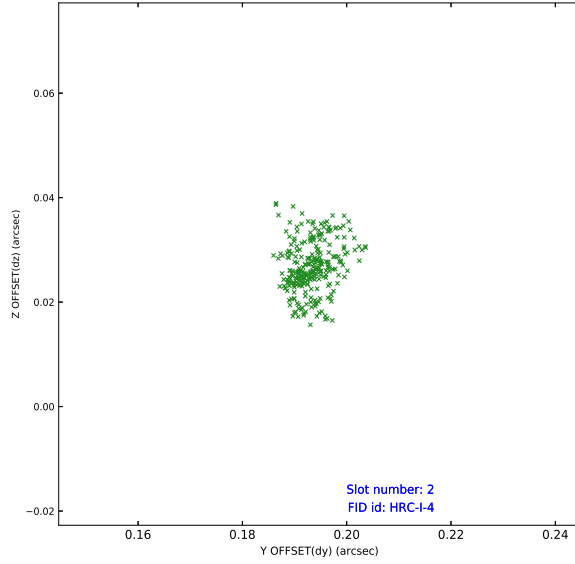
2.5.1 Slot 0



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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.118531

A.2 Comments