

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6189 - L2 Version 5
Chandra X-Ray Center

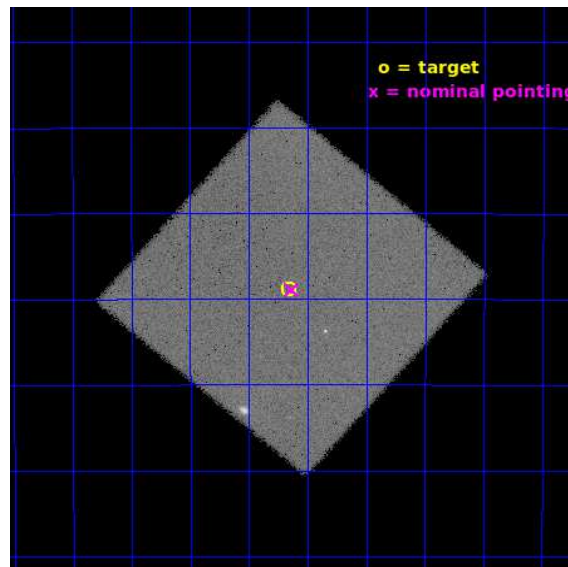
L2 Processing Date : Oct 10 2020

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

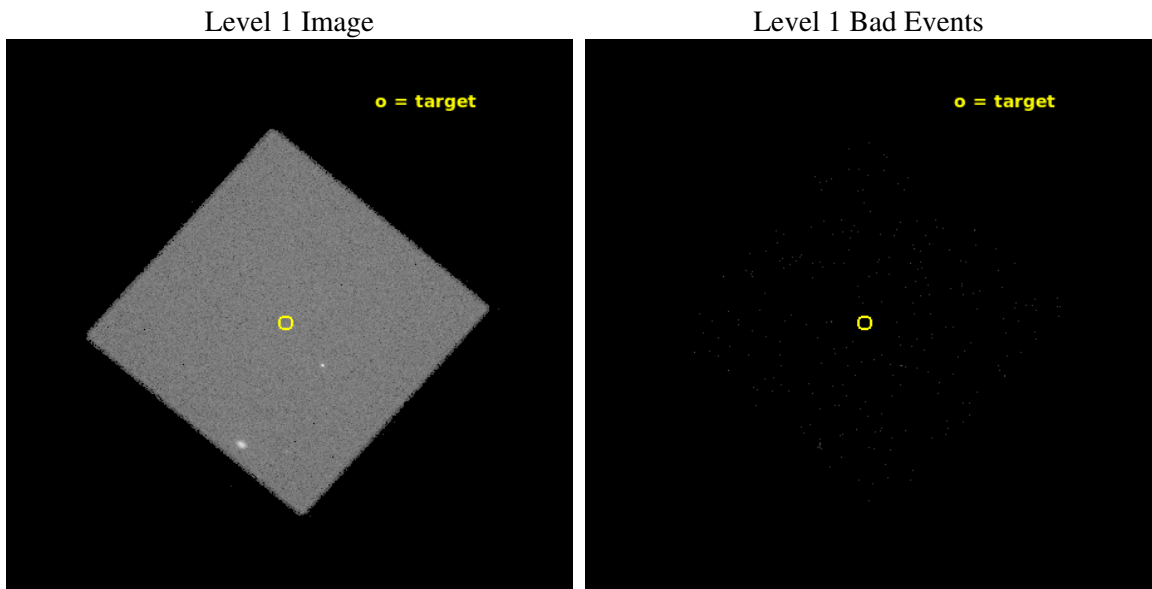
seq_num	400471	Sequence number
obs_id	6189	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Rudy Wijnands	Principal investigator
object	Galactic Center Survey	Source name
ra_targ	266.664167	Observer's specified target RA [deg]
dec_targ	-28.647222	Observer's specified target Dec [deg]
ra_nom	266.65846708859	Nominal RA [deg]
dec_nom	-28.648484538963	Nominal Dec [deg]
roll_nom	265.80324492035	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4382.1314519048	[s]
livetime	4337.4527667326	Ontime multiplied by DTCOR
l2events	314396	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	4200.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4382.1314519048	[s]
caldbver	4.9.2	 	l1events	536958	Number of level 1 events
date	2020-10-11T02:56:49	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

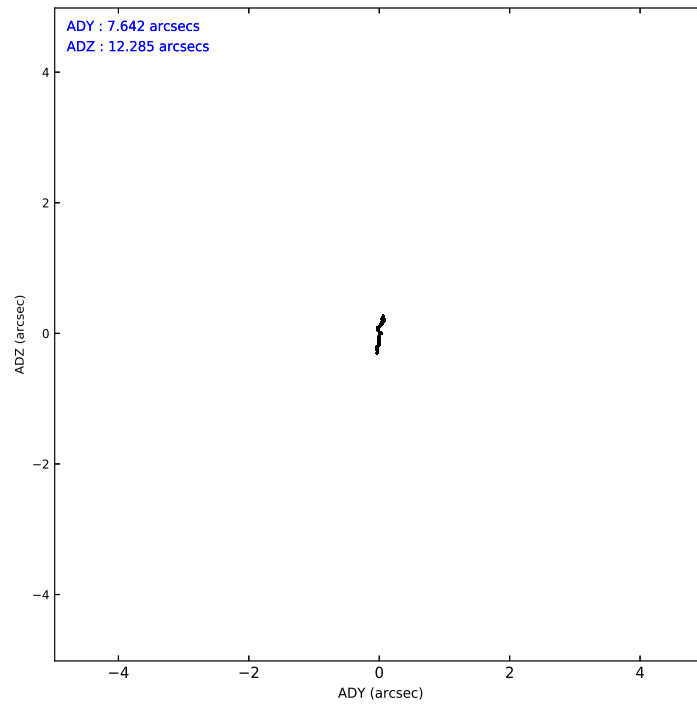
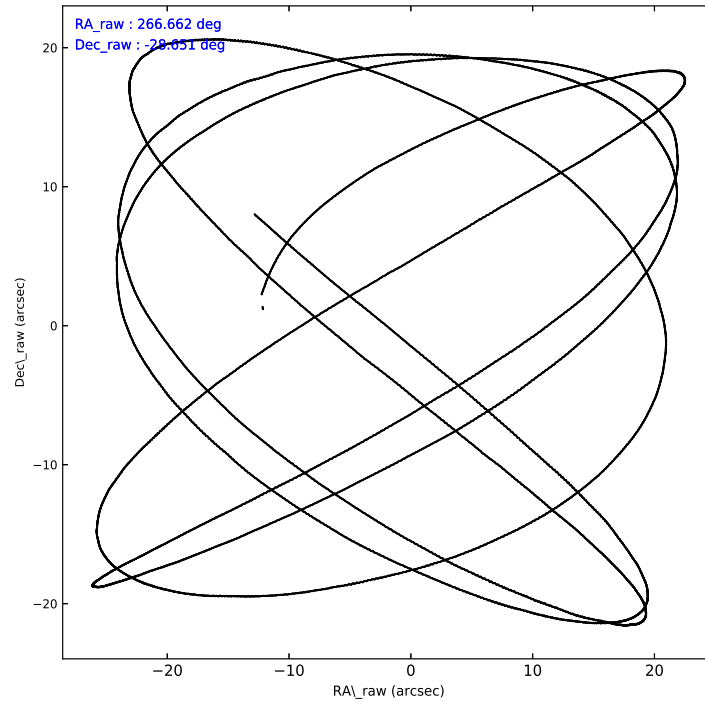
	segment 0
level 1 events	536958
rejected events	96013
rejected %	17%

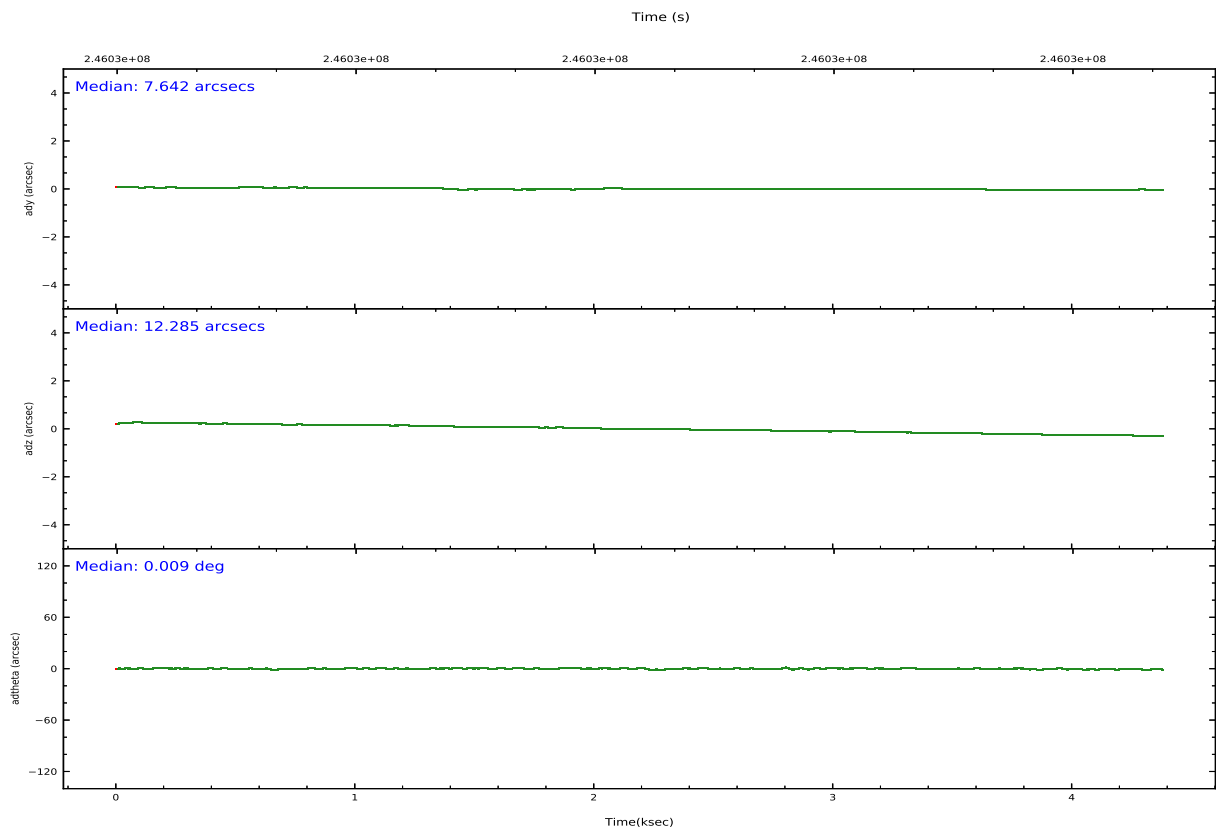
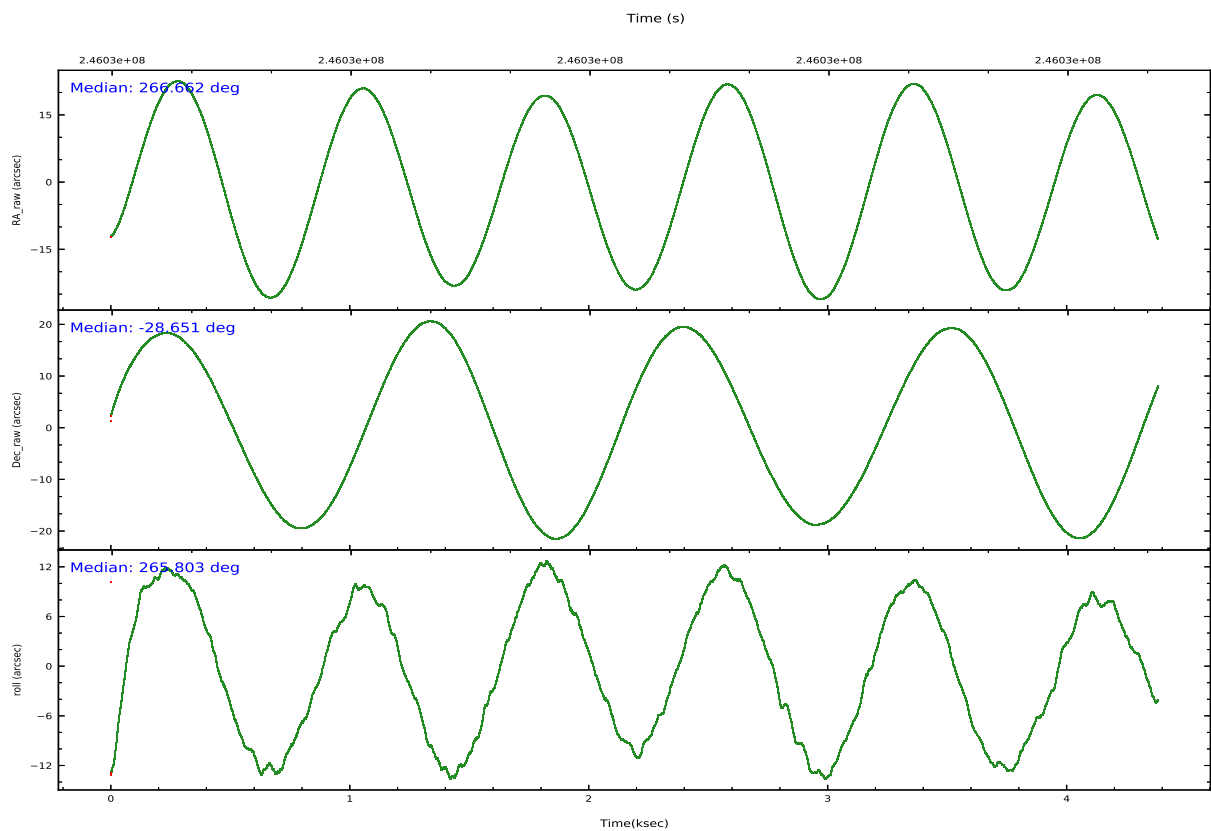
2.2 Compared Parameters

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	266.647934	266.65846708859
[deg] Pointing Dec	-28.626822	-28.648484538963
[deg] Pointing Roll	265.905994	265.80324492035
[s] Window start time (MET)	245721664.184000	245721664.184000
[s] Window stop time (MET)	247190464.184000	247190464.184000
[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)	246030178.184000	246029276.51884
Observation start date	2005-10-18T13:41:54	2005-10-18T13:27:56
[s] Observation end time (MET)	246034378.184000	246035309.66912
Observation end date	2005-10-18T14:51:54	2005-10-18T15:08:29

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

2.3 Aspect



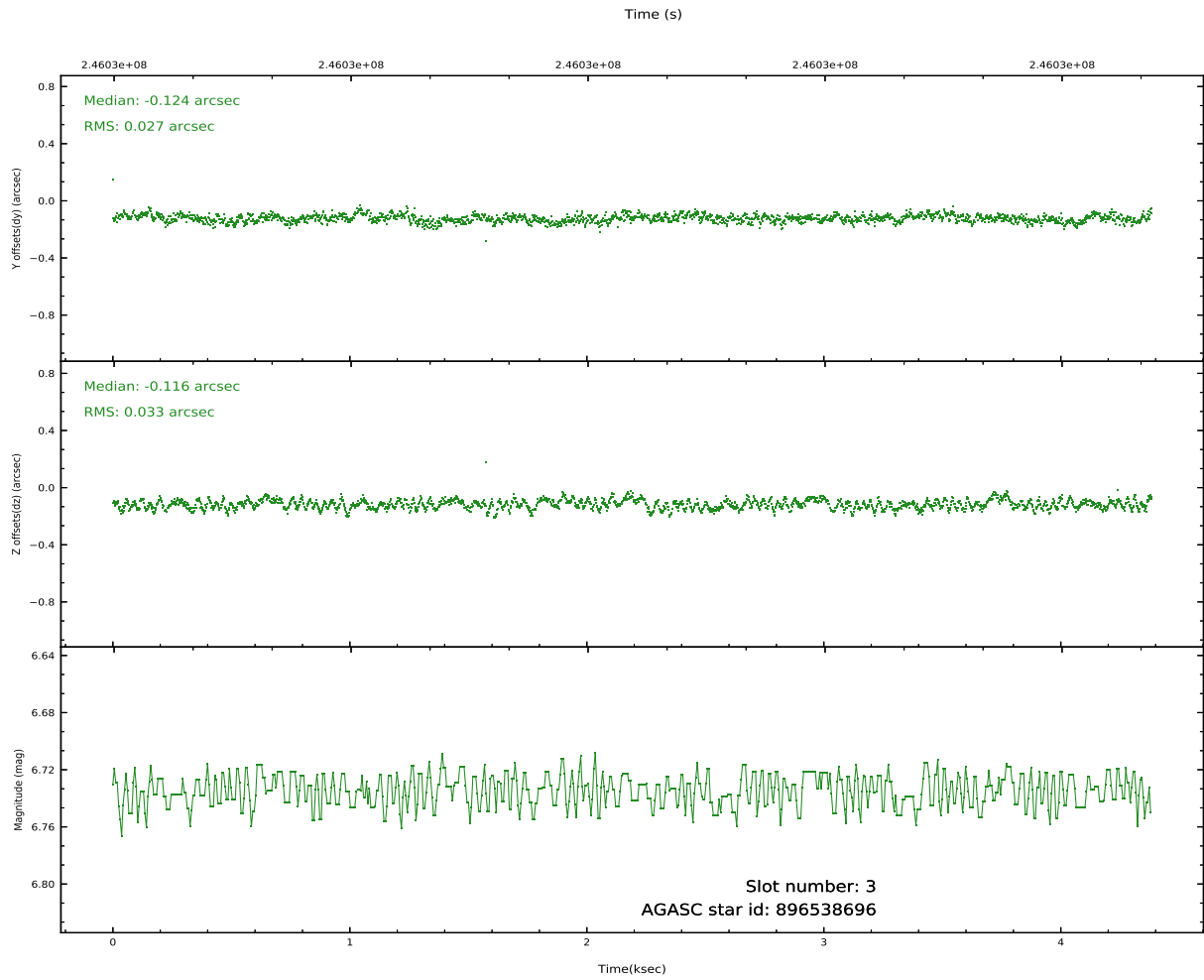
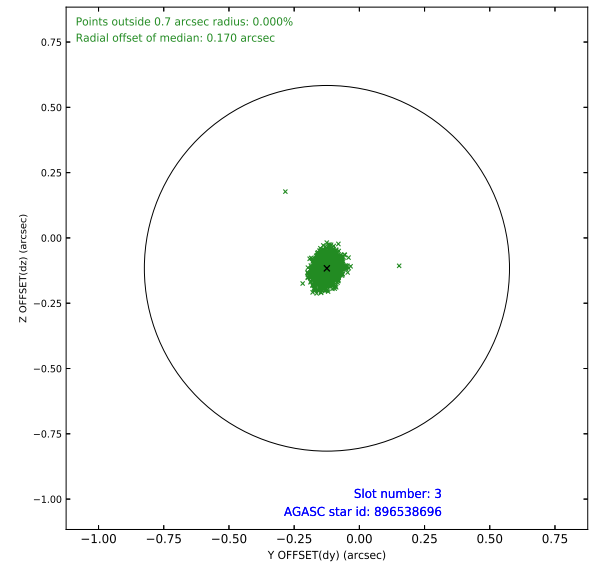
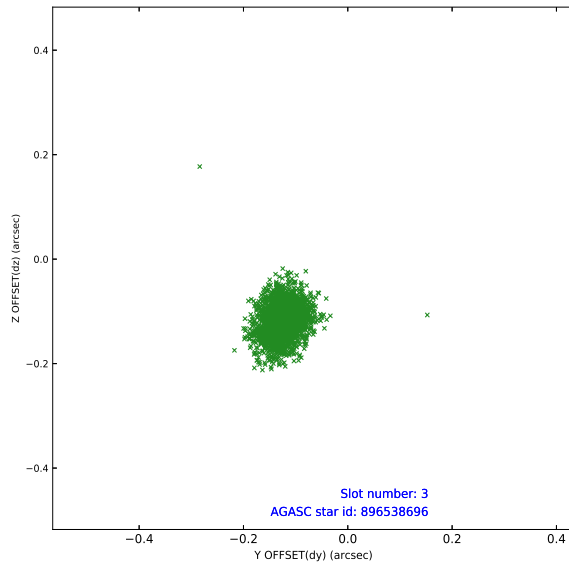


Slot Statistics

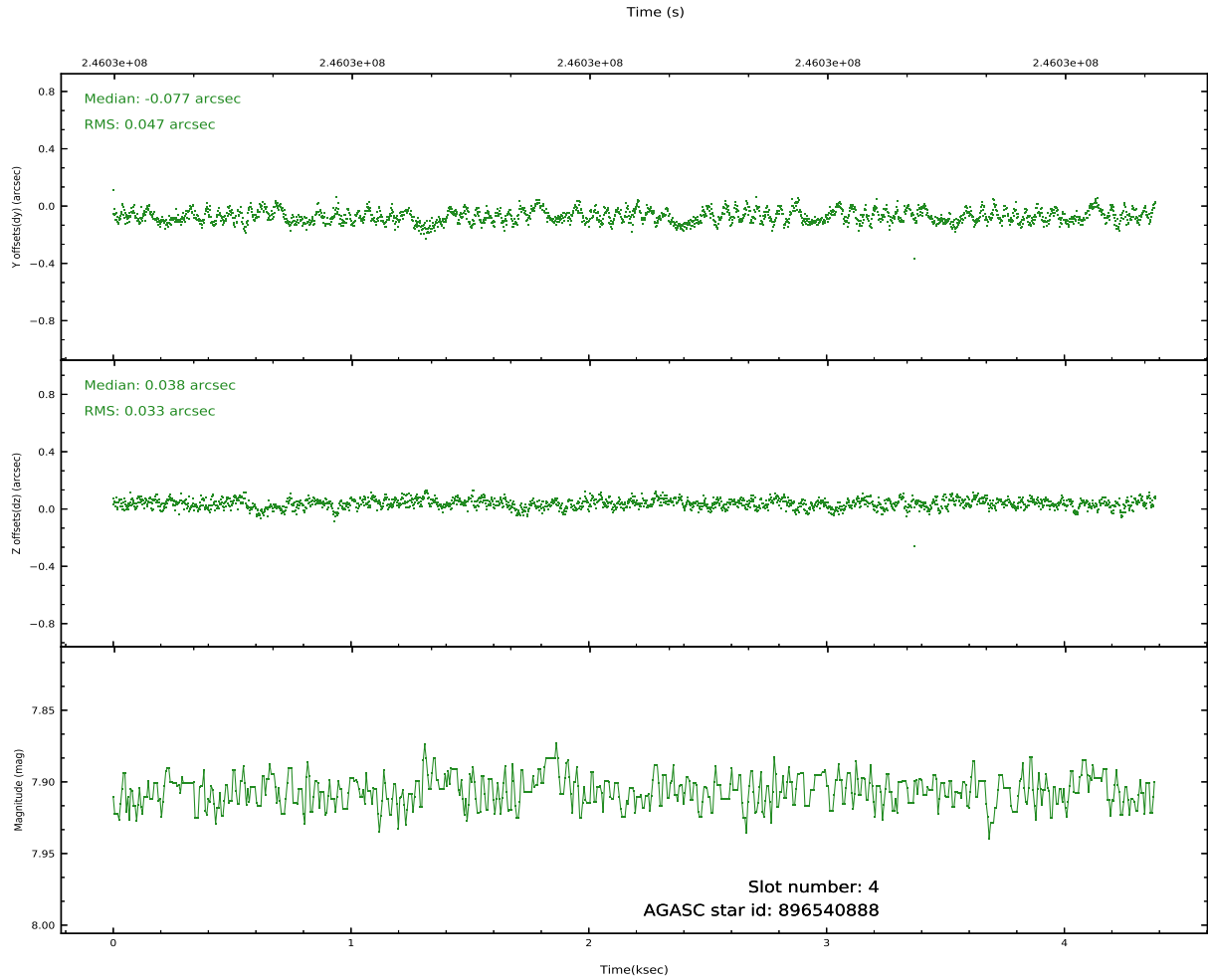
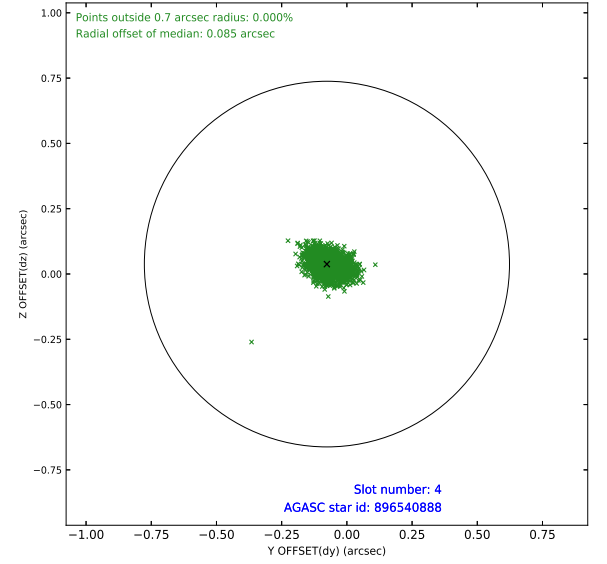
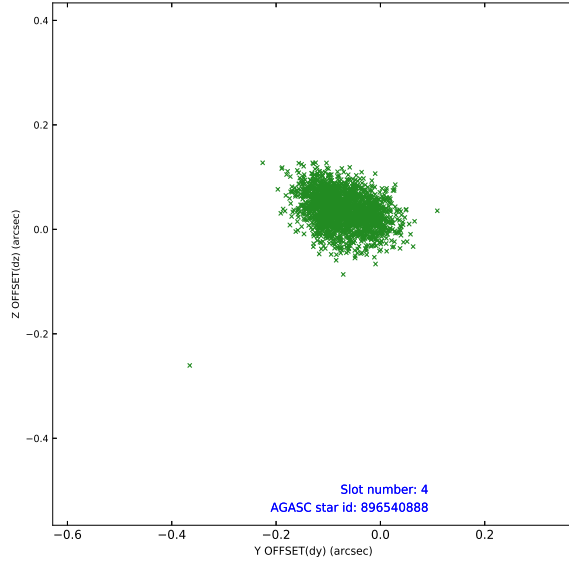
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.05	1070	1.000	-0.022	-0.009	0.010	0.017	0.000000	0.000000	-763.28	-1300
1	FID		HRC-I-2	7.08	1070	1.000	0.192	-0.138	0.011	0.019	0.000000	0.000000	848.85	-1303
2	FID		HRC-I-3	7.14	1070	1.000	-0.051	0.057	0.008	0.015	0.000000	0.000000	-1190.98	1003
3	GUIDE	used	896538696	6.73	2139	1.000	-0.124	-0.116	0.044	0.071	266.298470	-28.325572	-1000.89	-1182
4	GUIDE	used	896540888	7.91	2138	1.000	-0.077	0.038	0.060	0.097	267.212234	-28.246138	-1491.06	1686
5	GUIDE	used	896541576	8.18	2138	1.000	0.015	0.119	0.063	0.099	267.051055	-28.762912	399.39	1304
6	GUIDE	used	896539744	8.34	2138	1.000	-0.091	-0.217	0.069	0.106	266.154264	-28.178023	-1496.09	-1678
7	GUIDE	used	896534000	9.28	2134	1.000	0.273	0.180	0.089	0.145	267.299113	-29.228915	2021.18	2194

2.4 Star Slots

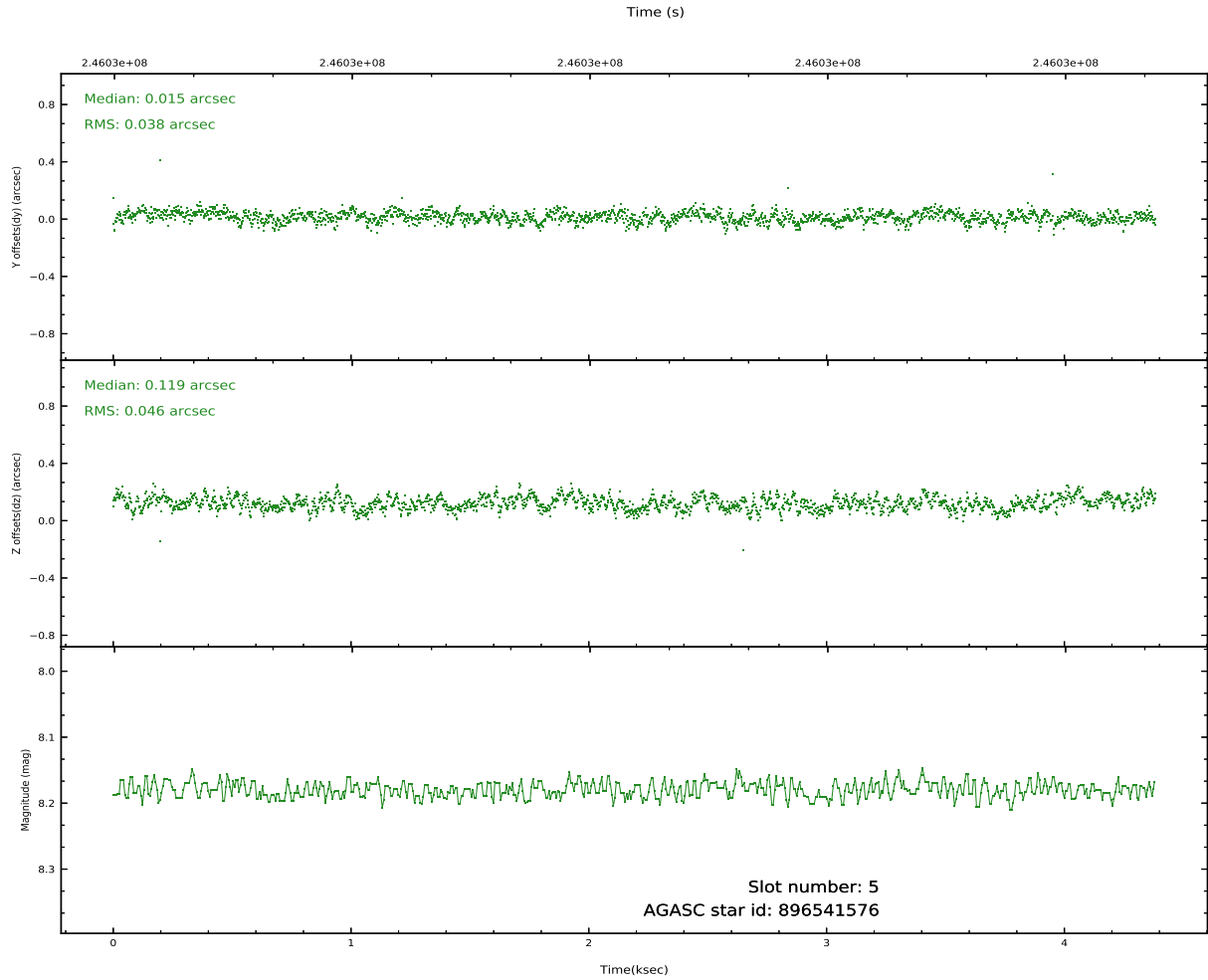
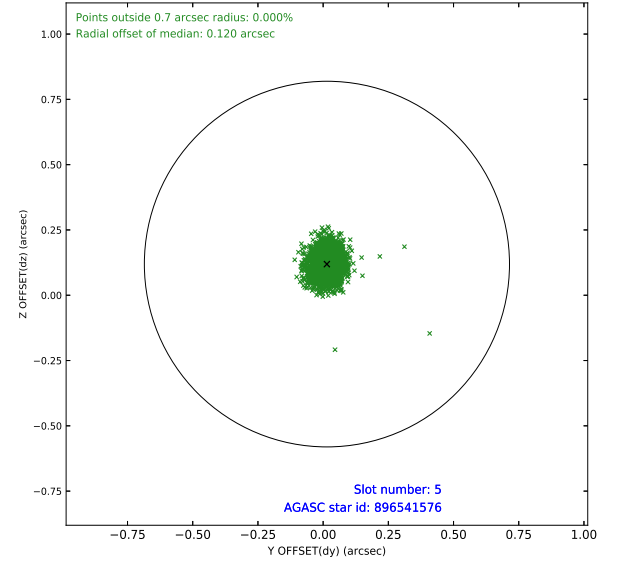
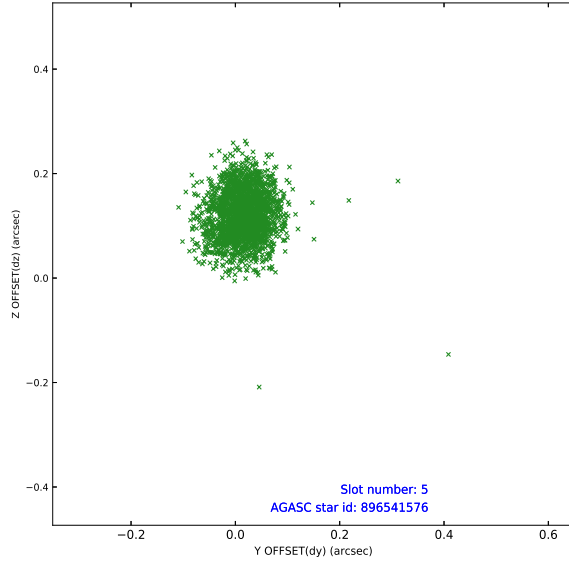
2.4.1 Slot 3



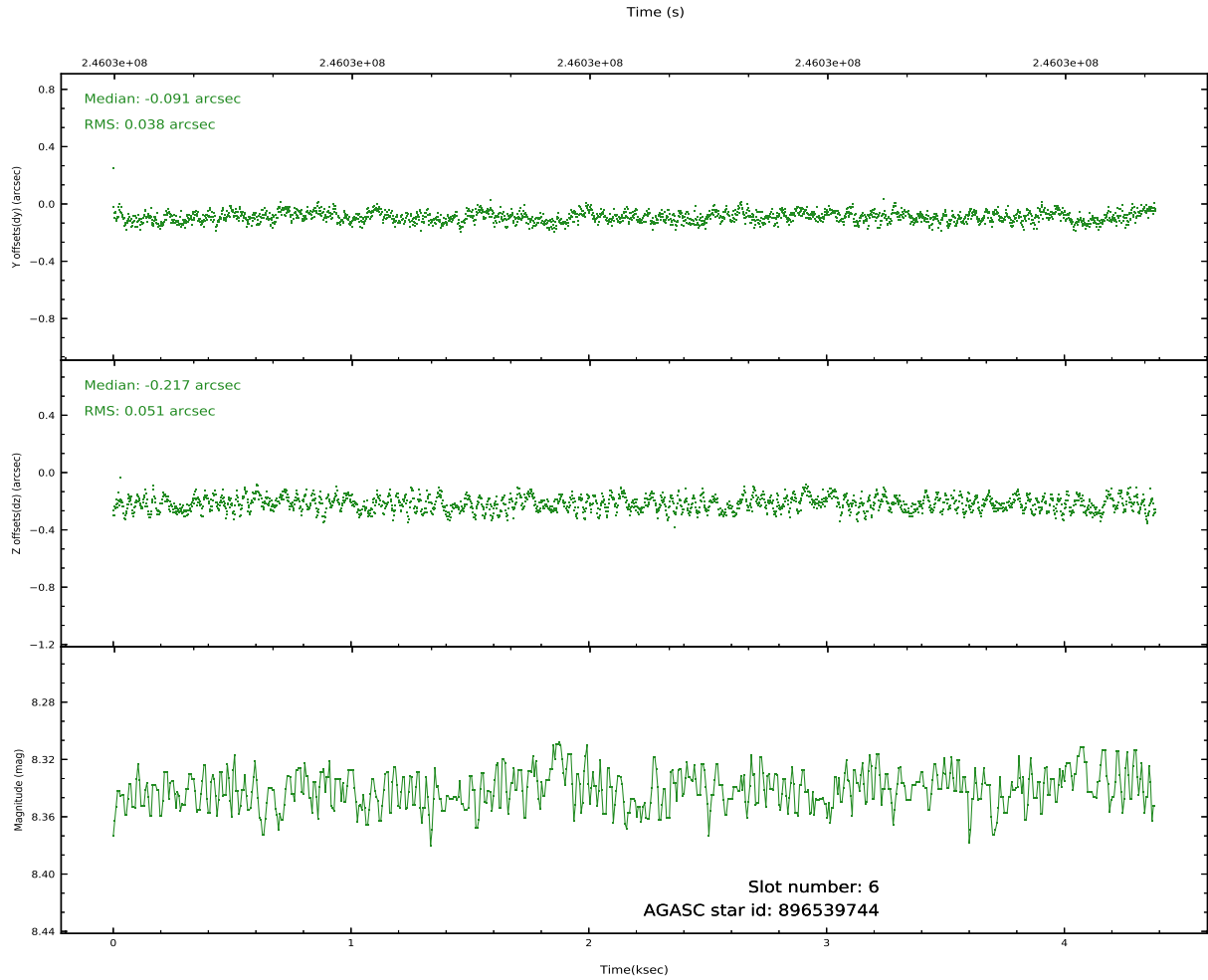
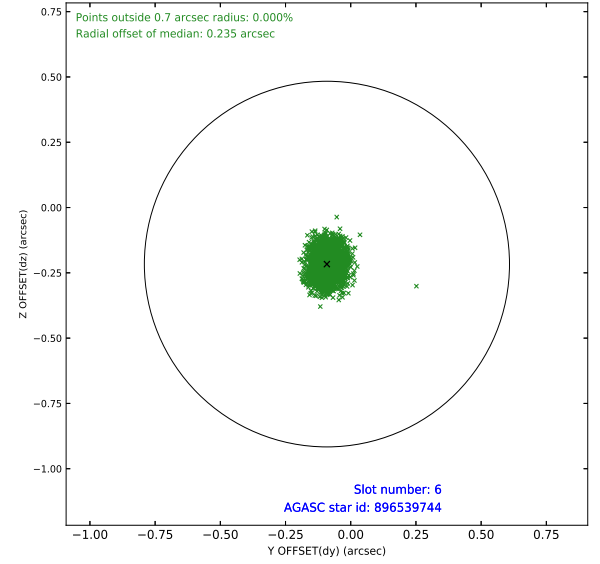
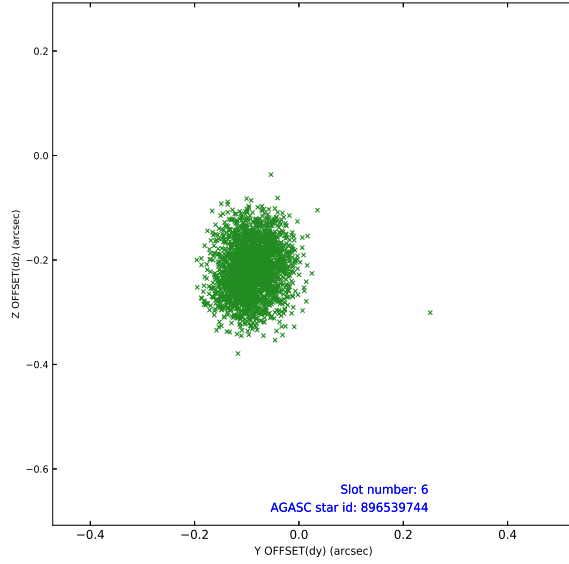
2.4.2 Slot 4



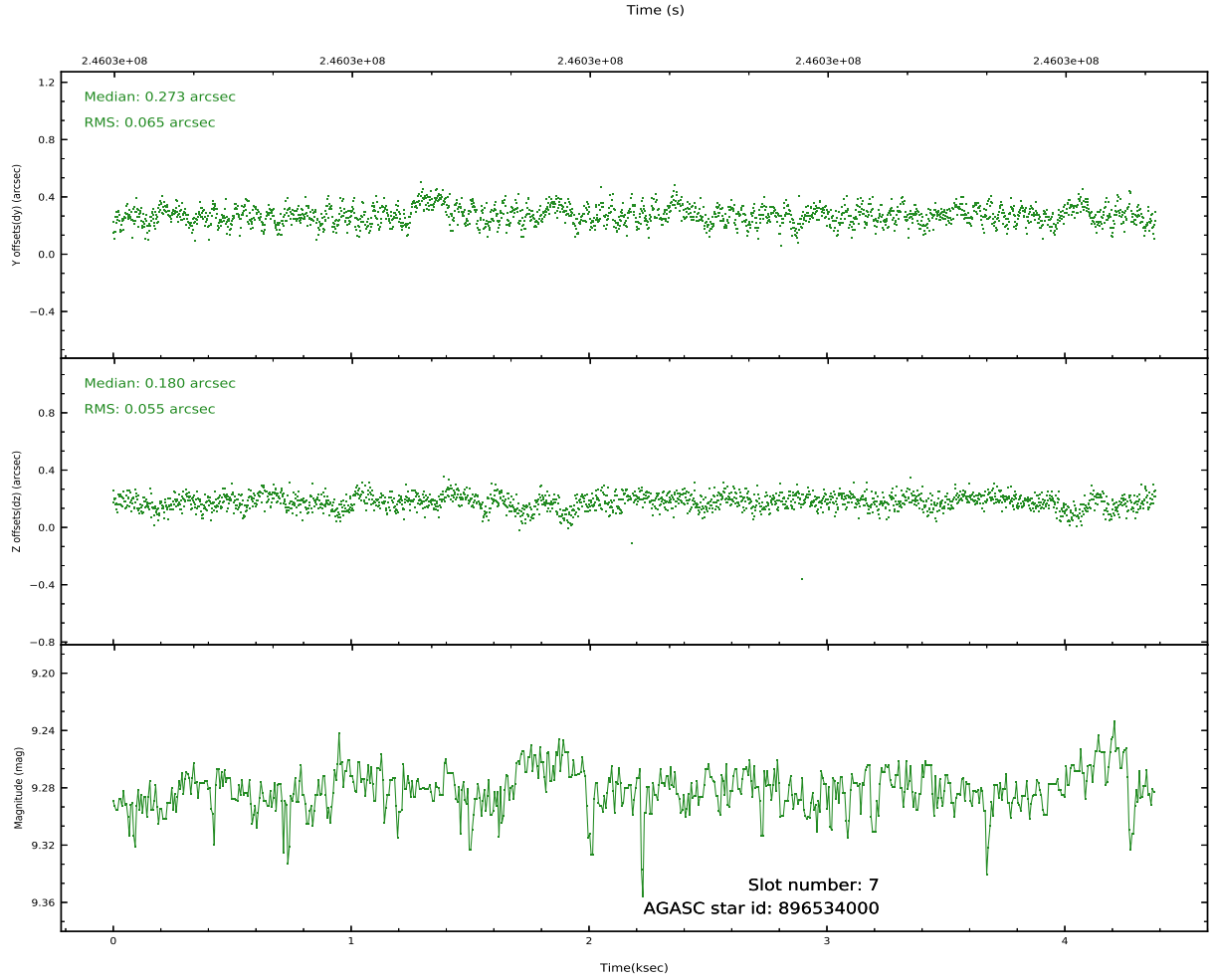
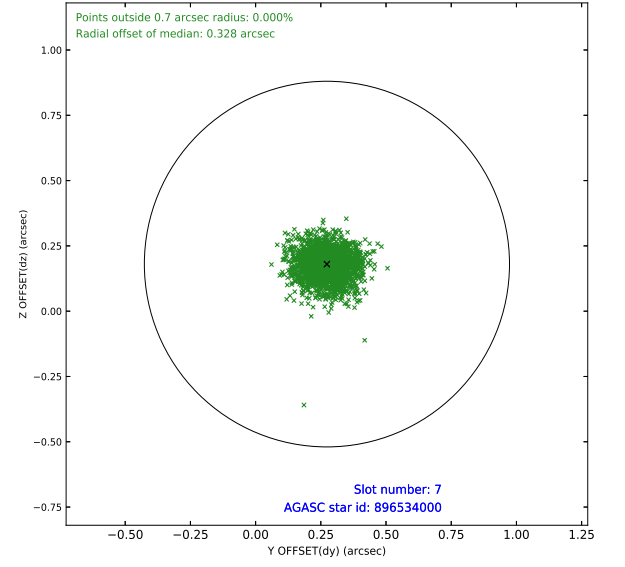
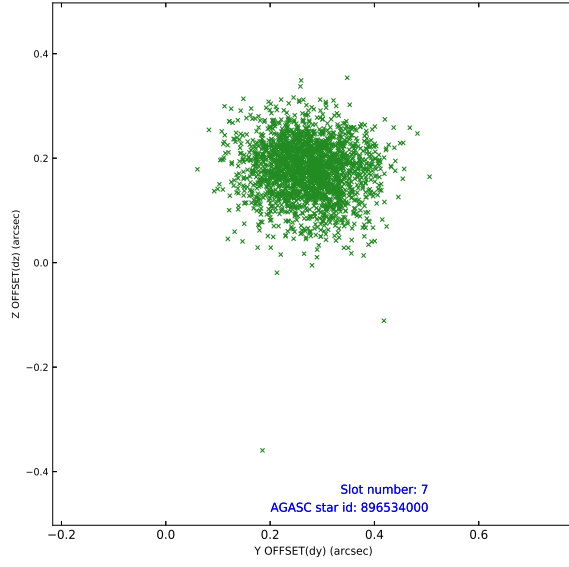
2.4.3 Slot 5



2.4.4 Slot 6

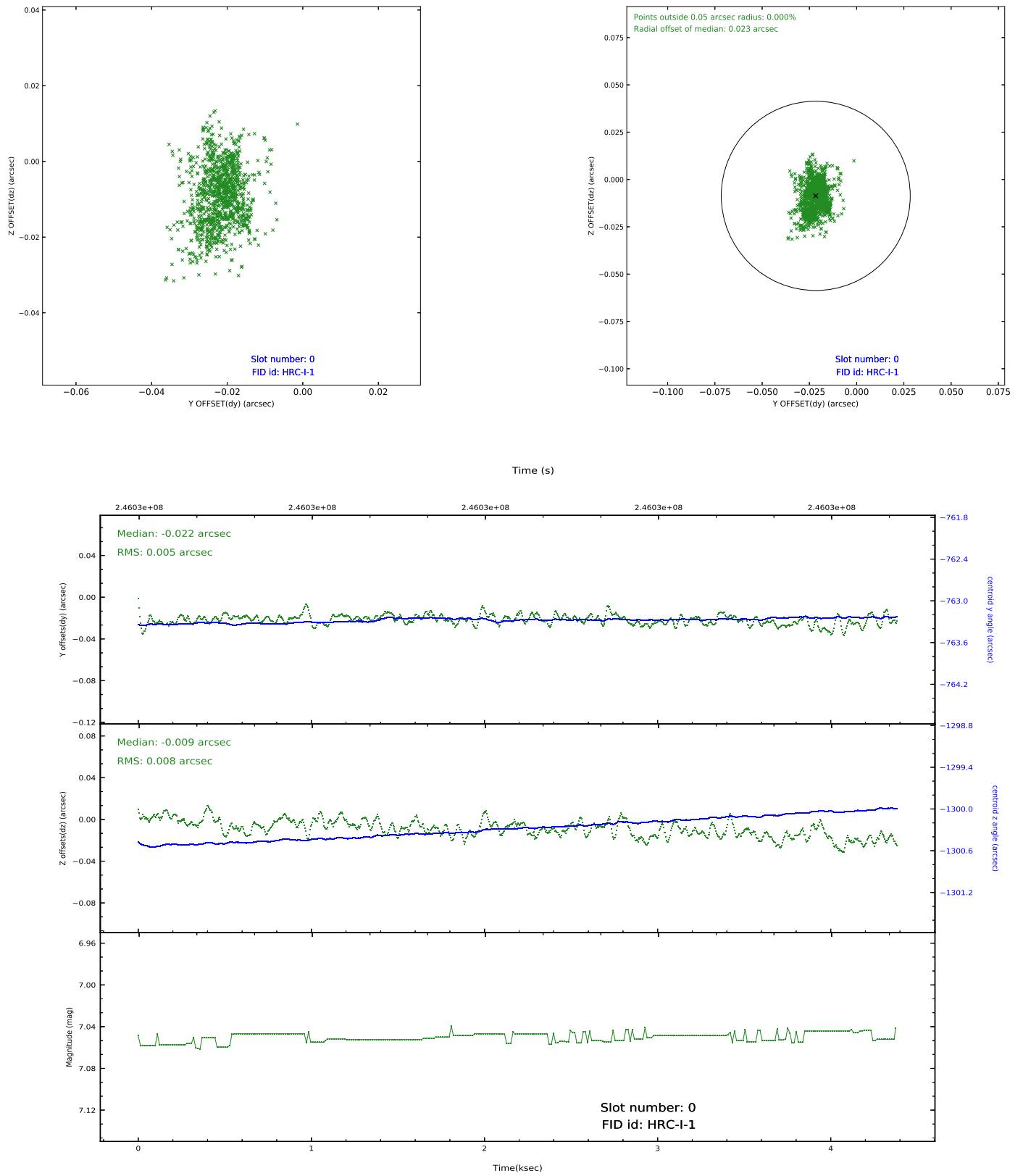


2.4.5 Slot 7

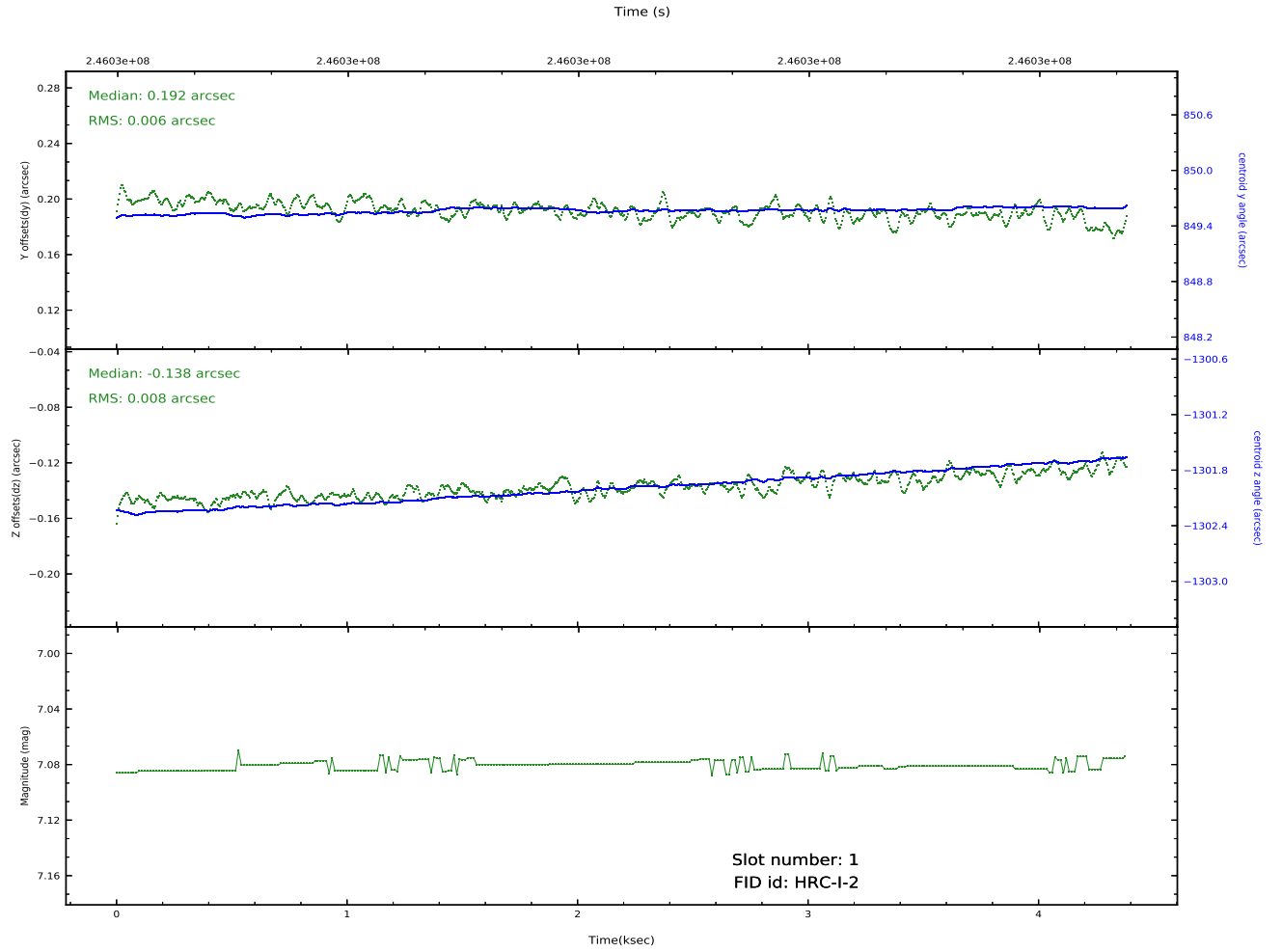
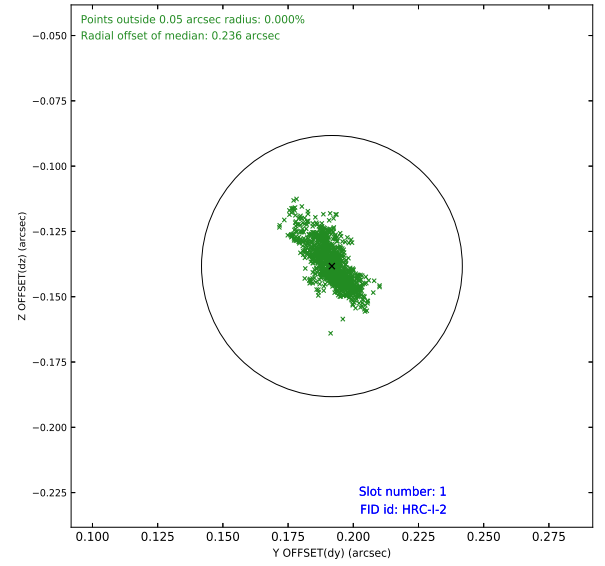
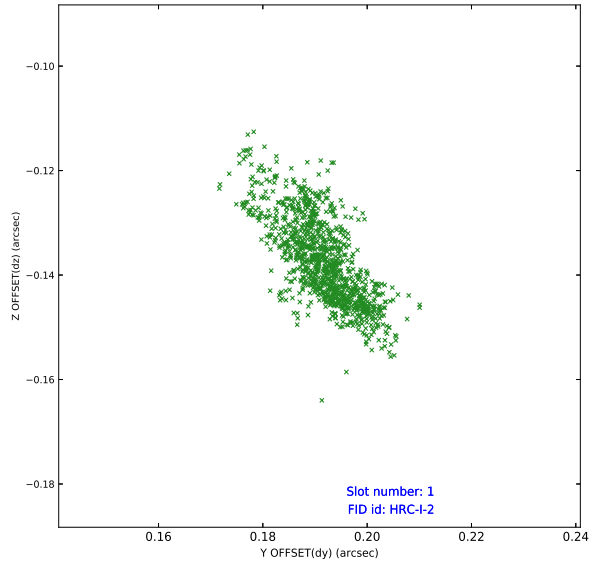


2.5 FID Slots

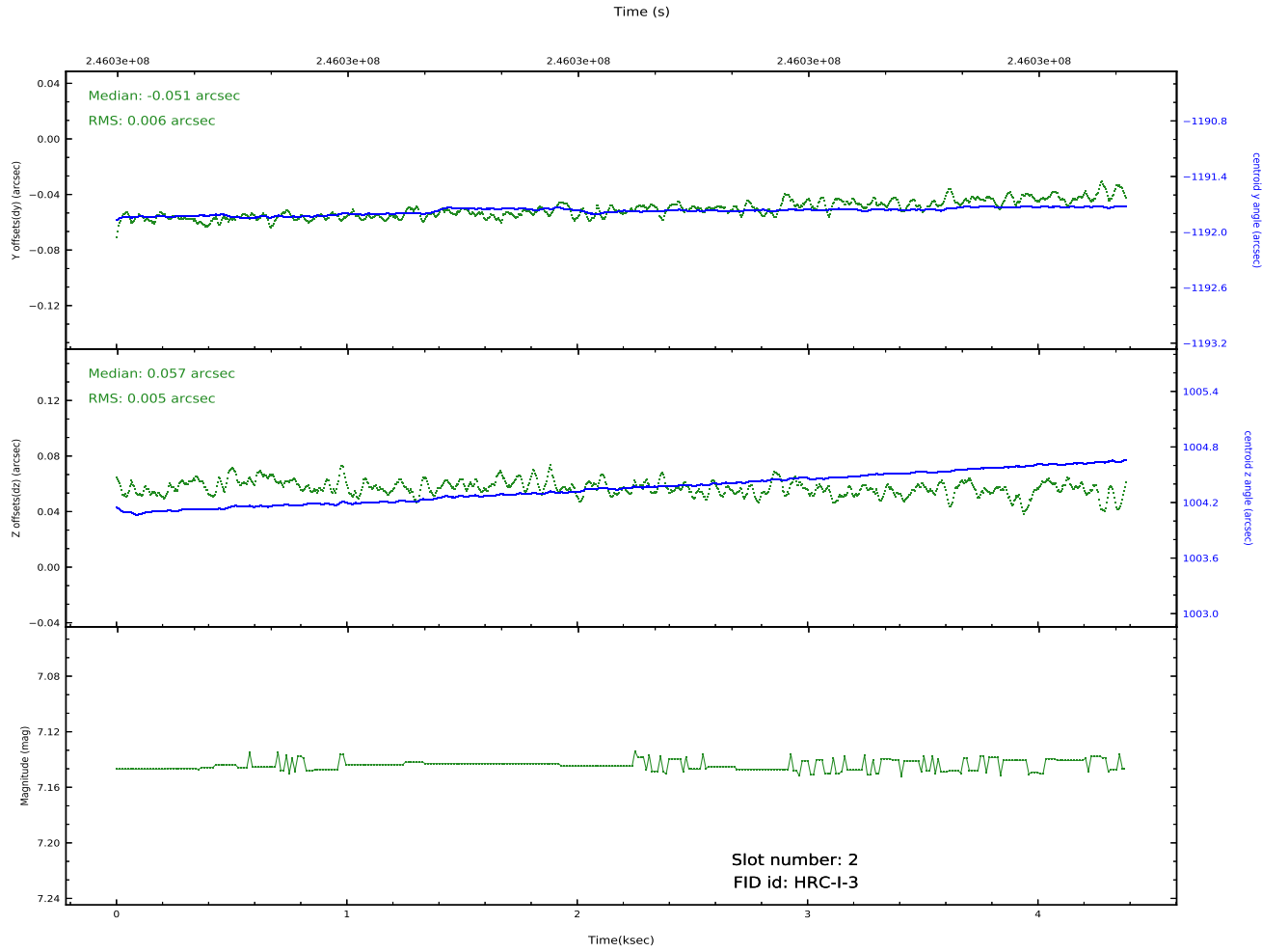
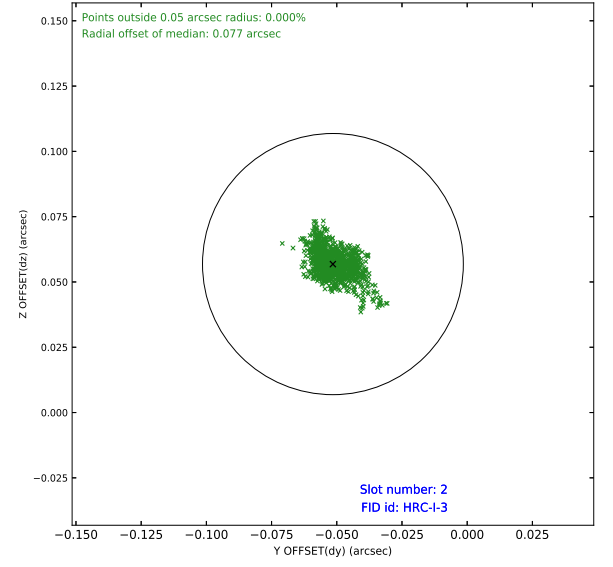
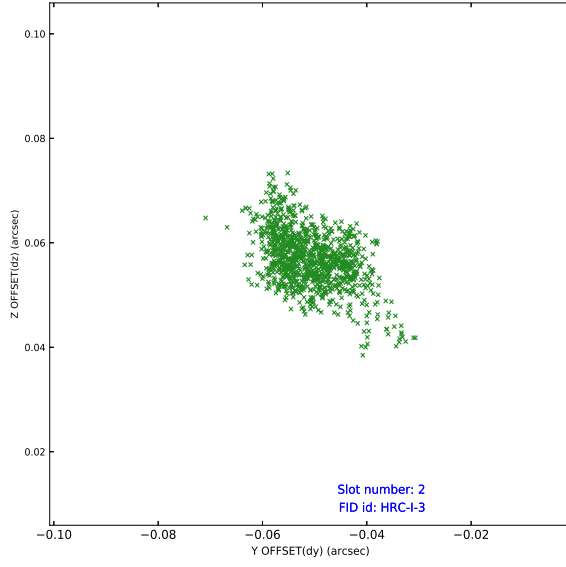
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.382131

A.2 Comments

Joint proposal with XMM.

===

Window constraint met.