

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5975 - L2 Version 5
Chandra X-Ray Center

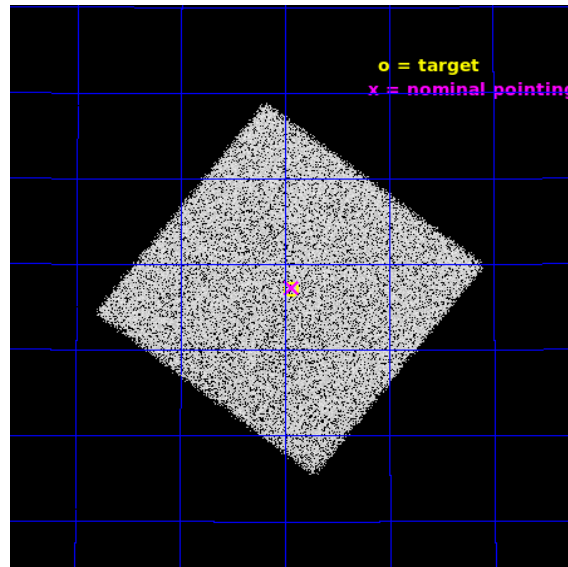
L2 Processing Date : Oct 8 2020

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

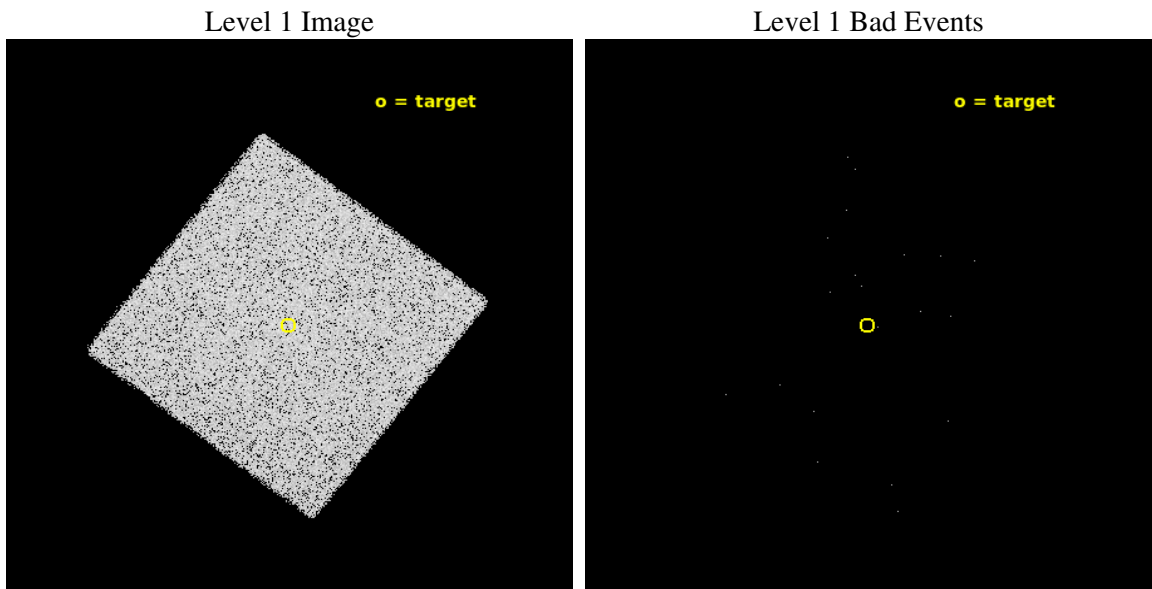
seq_num	290467	Sequence number
obs_id	5975	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23347427845	Nominal RA [deg]
dec_nom	38.788074473025	Nominal Dec [deg]
roll_nom	172.73904259483	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2178.381349504	[s]
livetime	2162.7015949615	Ontime multiplied by DTCOR
l2events	83112	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2178.381349504	[s]
caldbver	4.9.2	 	l1events	164001	Number of level 1 events
date	2020-10-09T00:39:26	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

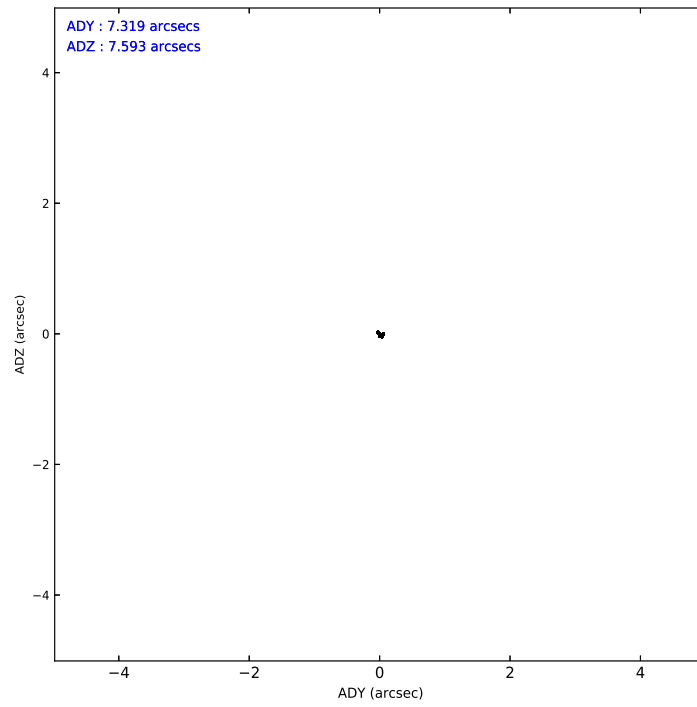
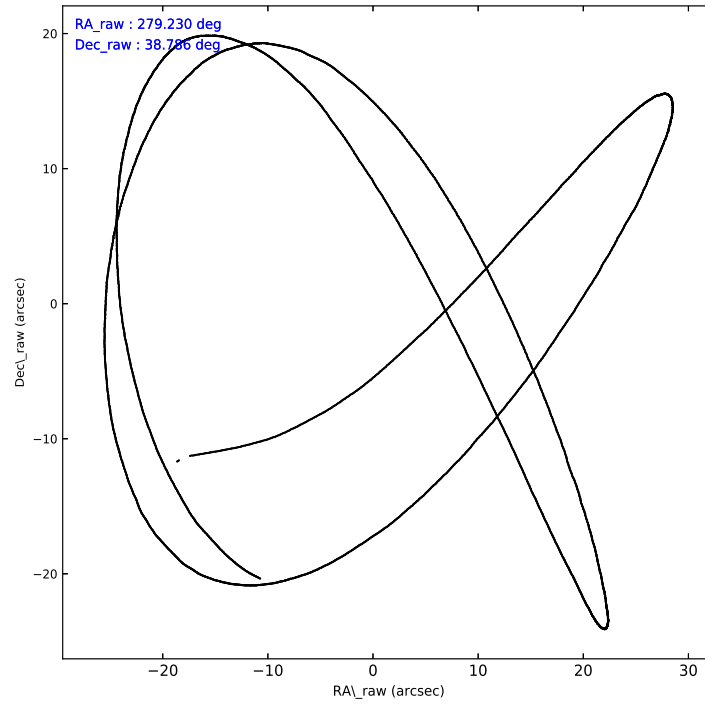
	segment 0
level 1 events	164001
rejected events	39785
rejected %	24%

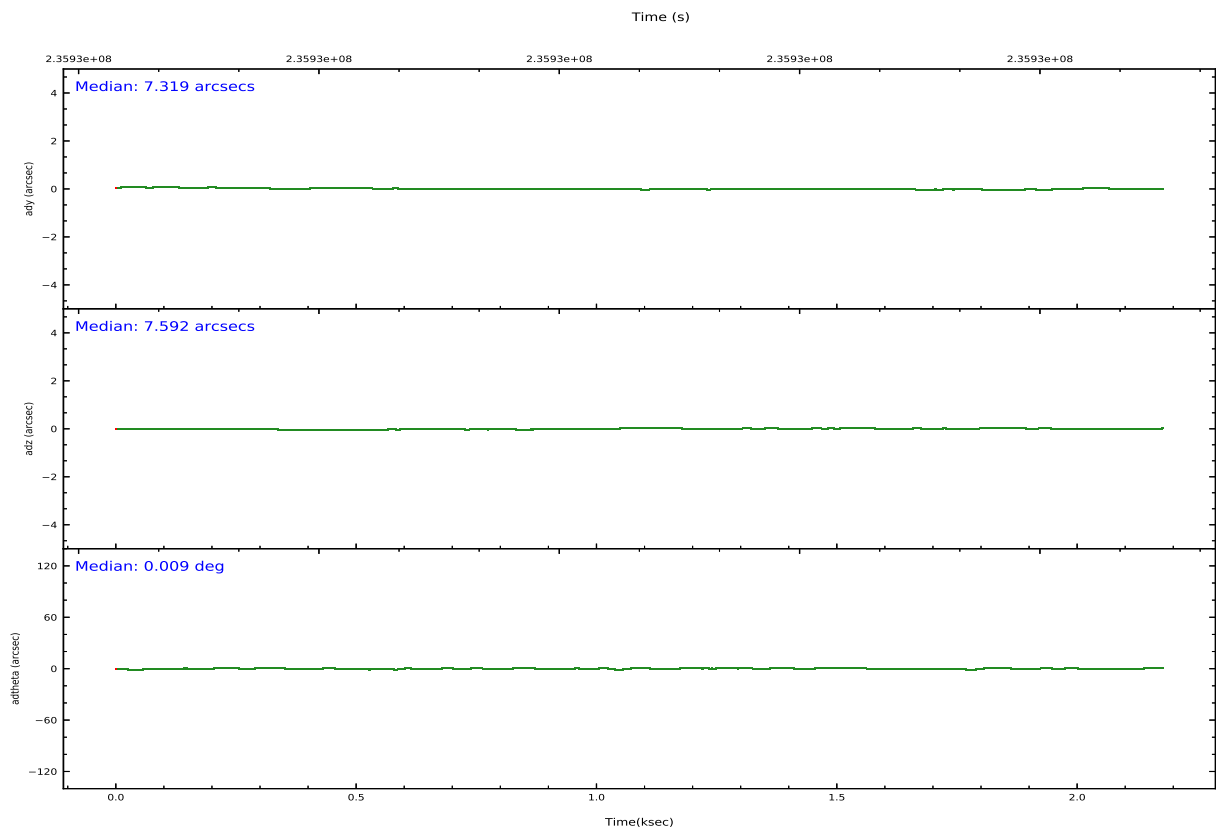
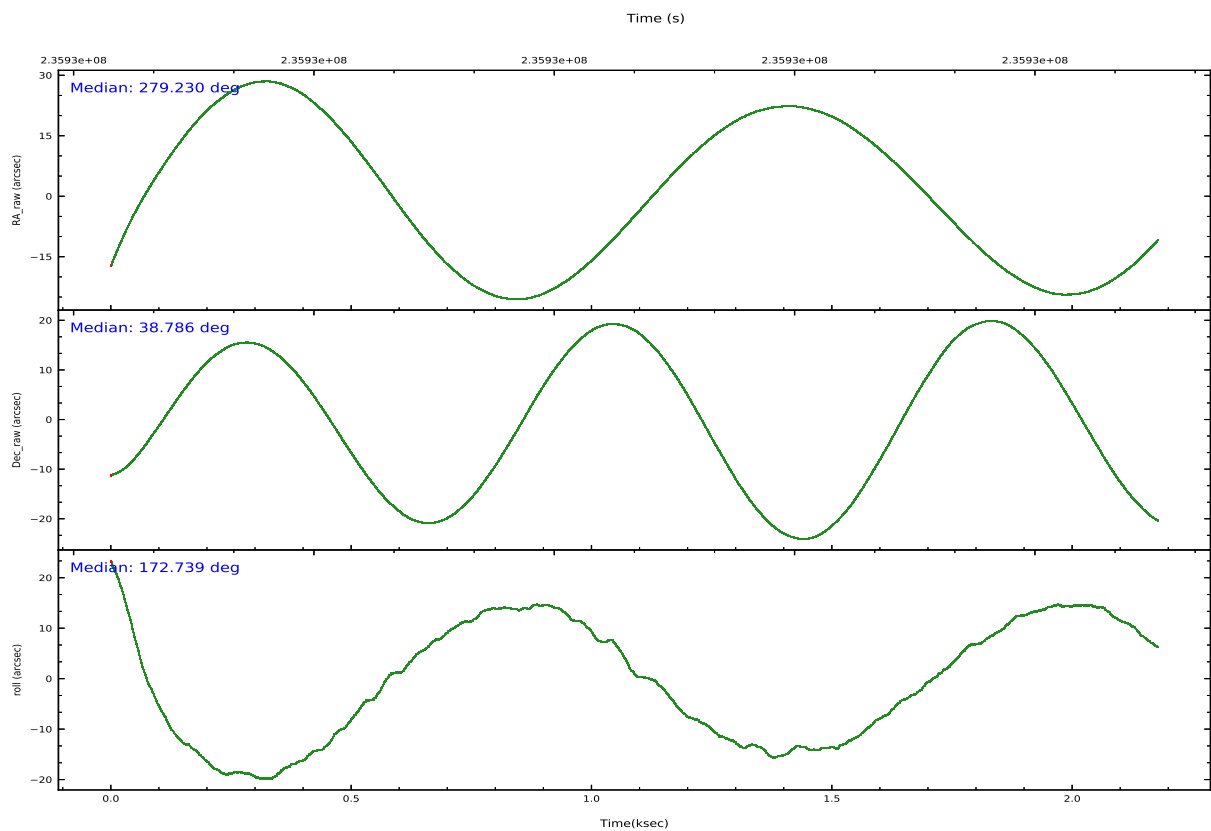
2.2 Compared Parameters

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	279.262112	279.23347427845
[deg] Pointing Dec	38.796912	38.788074473025
[deg] Pointing Roll	172.830077	172.73904259483
[s] Window start time (MET)	231292864.184000	231292864.184000
[s] Window stop time (MET)	236476864.184000	236476864.184000
[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)	235926757.184000	235925903.84284
Observation start date	2005-06-23T15:11:33	2005-06-23T14:58:23
[s] Observation end time (MET)	235928757.184000	235928891.20547
Observation end date	2005-06-23T15:44:53	2005-06-23T15:48:11

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

2.3 Aspect



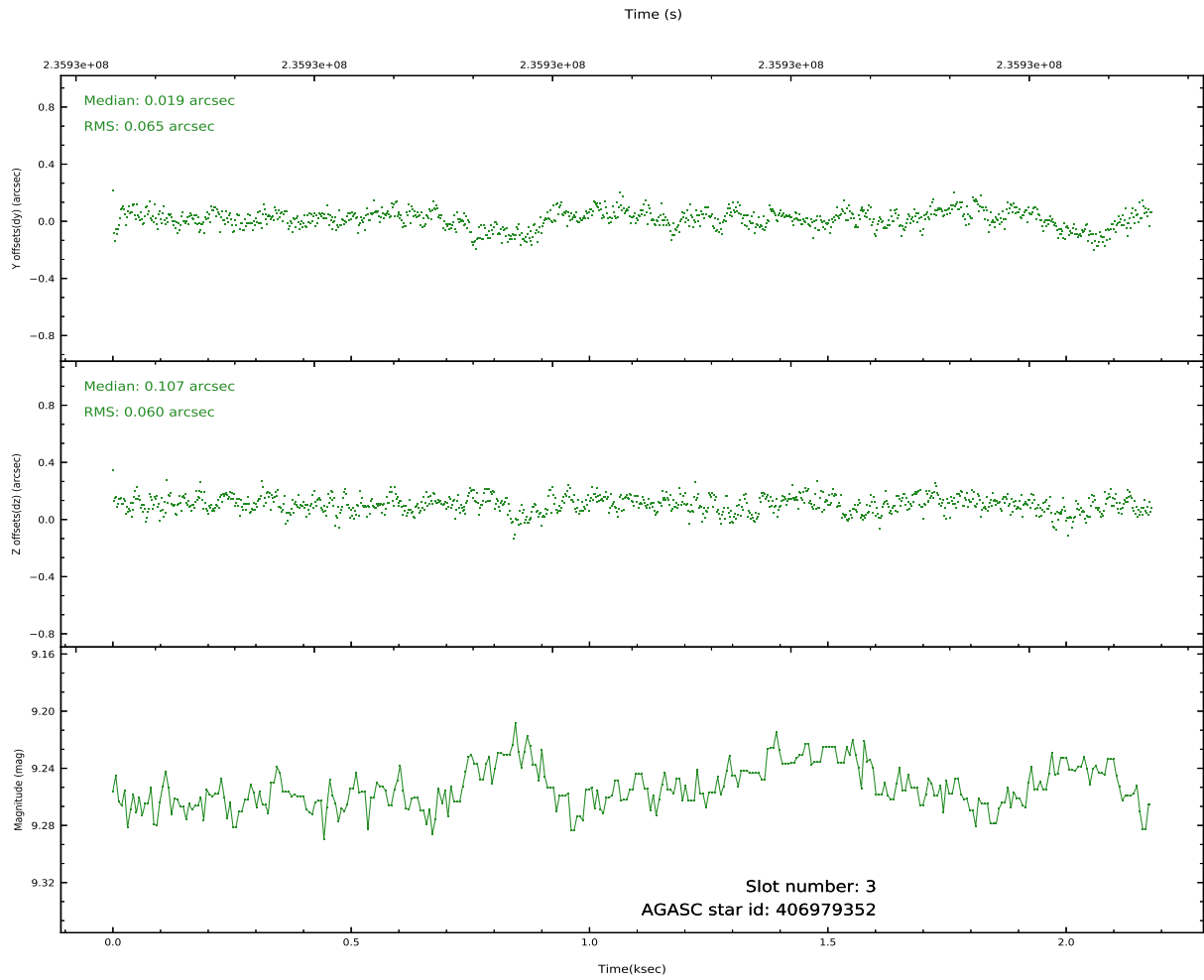
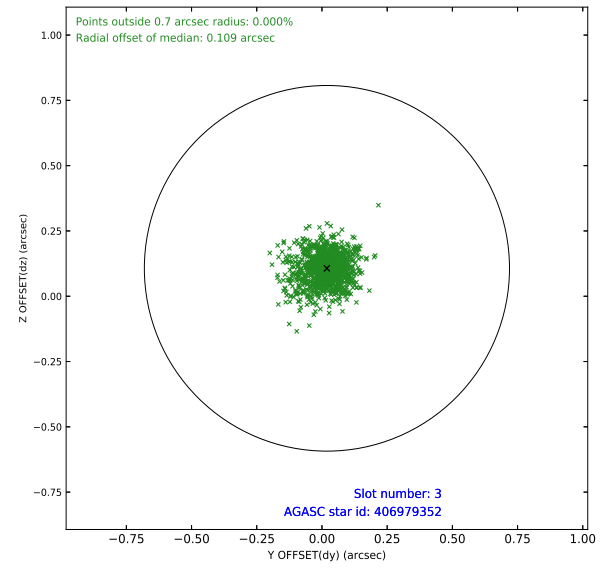
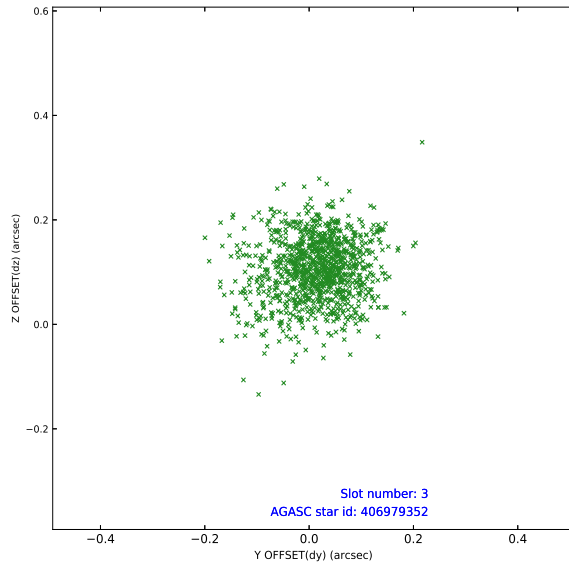


Slot Statistics

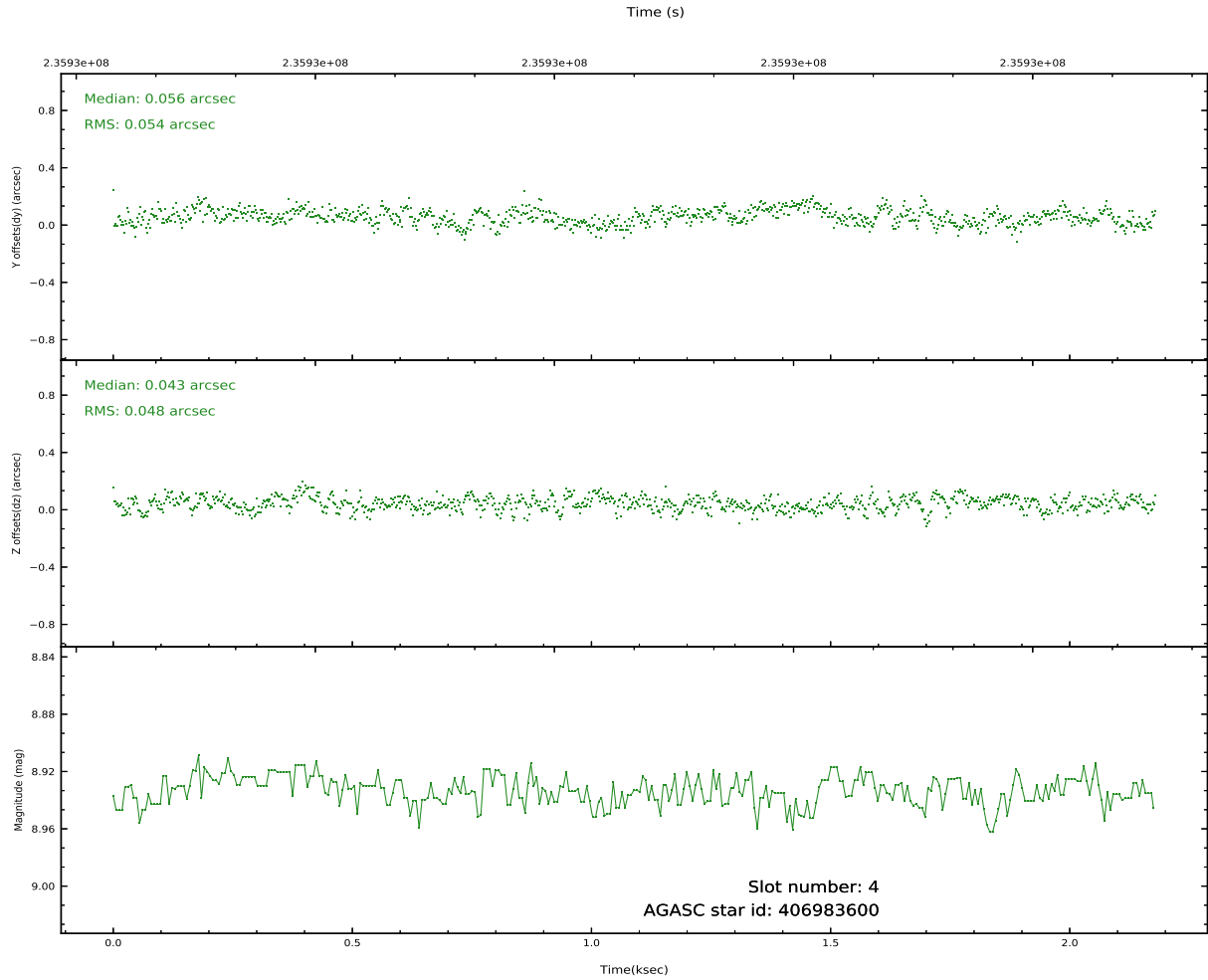
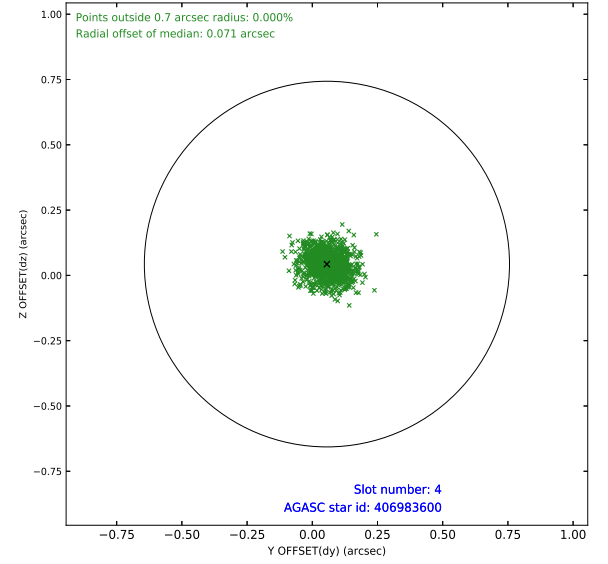
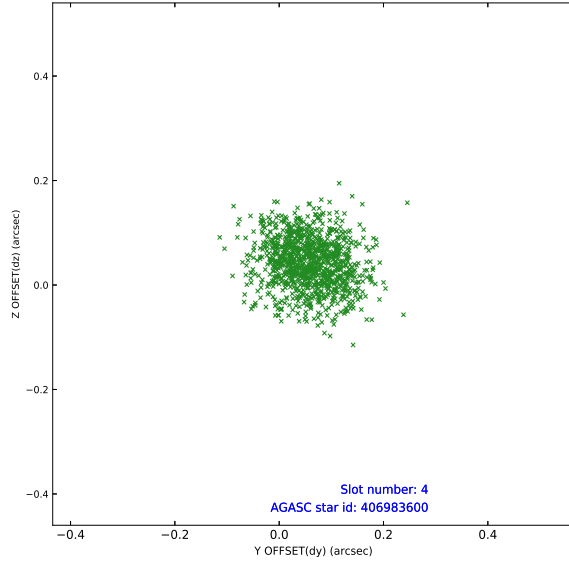
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	532	1.000	-0.013	0.001	0.008	0.013	0.000000	0.000000	-762.95	-1295
1	FID		HRC-I-2	7.05	532	1.000	0.167	-0.121	0.006	0.010	0.000000	0.000000	848.43	-1299
2	FID		HRC-I-3	7.10	532	1.000	-0.034	0.030	0.007	0.011	0.000000	0.000000	-1189.83	1006
3	GUIDE	used	406979352	9.26	1063	1.000	0.019	0.107	0.092	0.157	279.968297	39.230258	-1758.10	-1799
4	GUIDE	used	406983600	8.93	1064	1.000	0.056	0.043	0.076	0.122	279.940957	39.020708	-1784.24	-1043
5	GUIDE	used	406987272	6.92	1064	1.000	-0.158	-0.126	0.061	0.095	278.536588	38.437504	1867.79	1531
6	GUIDE	used	407510432	8.15	1064	1.000	0.091	-0.022	0.094	0.148	278.762778	39.530640	1708.20	-2448
7	GUIDE	used	407521232	8.64	1062	1.000	-0.015	-0.003	0.095	0.144	279.628883	39.431715	-724.41	-2397

2.4 Star Slots

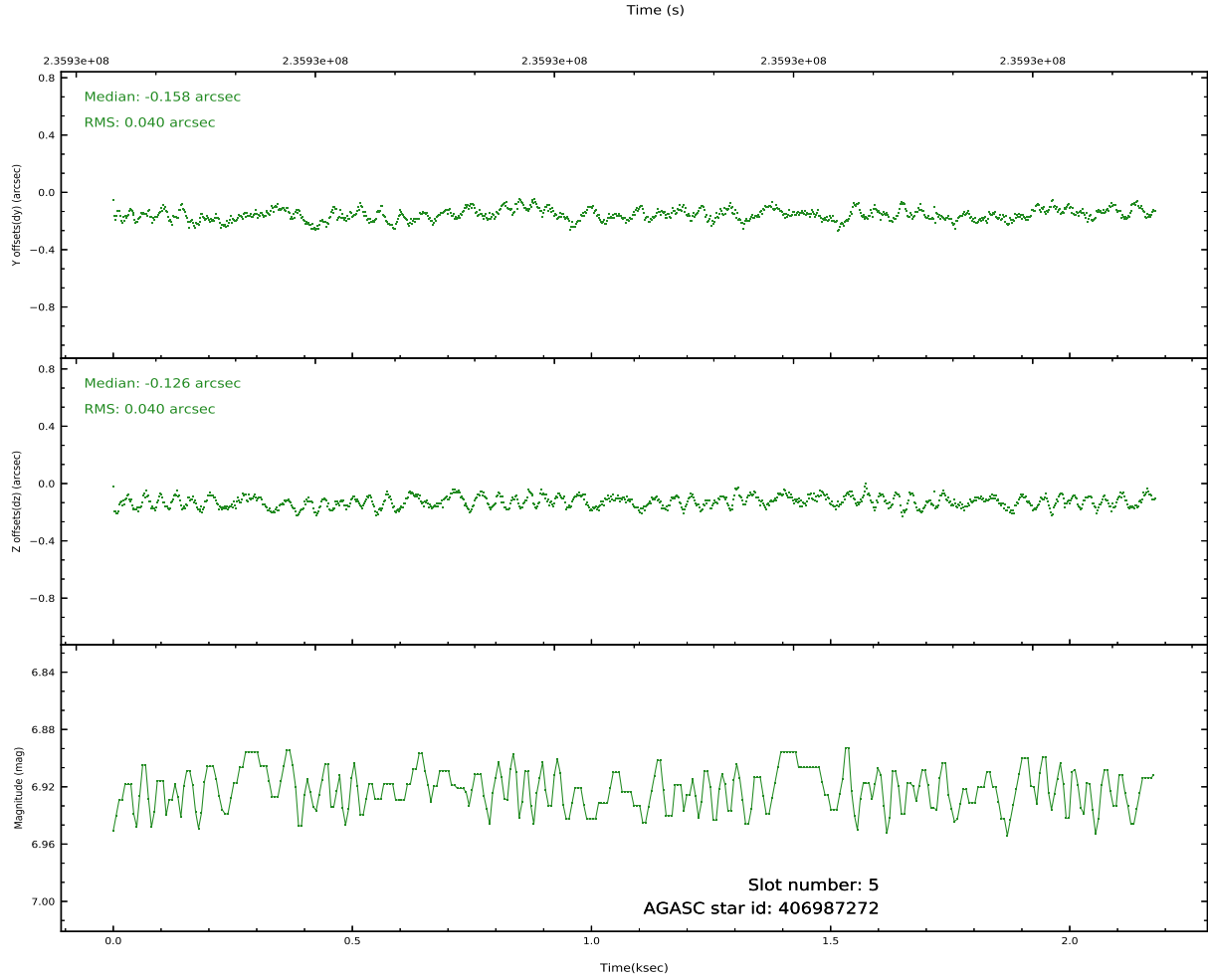
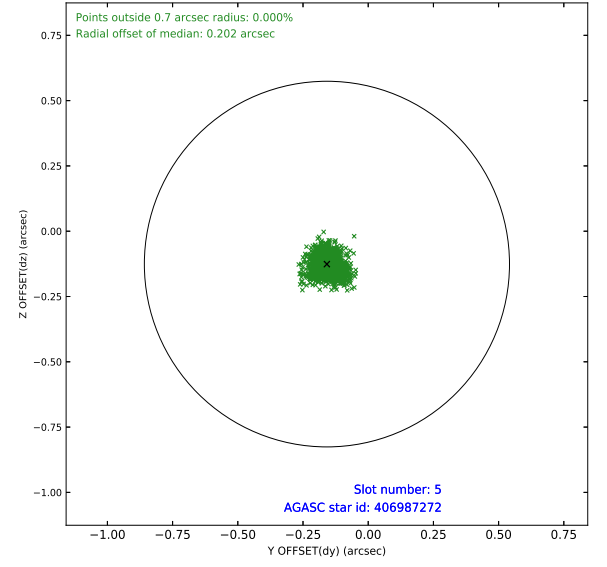
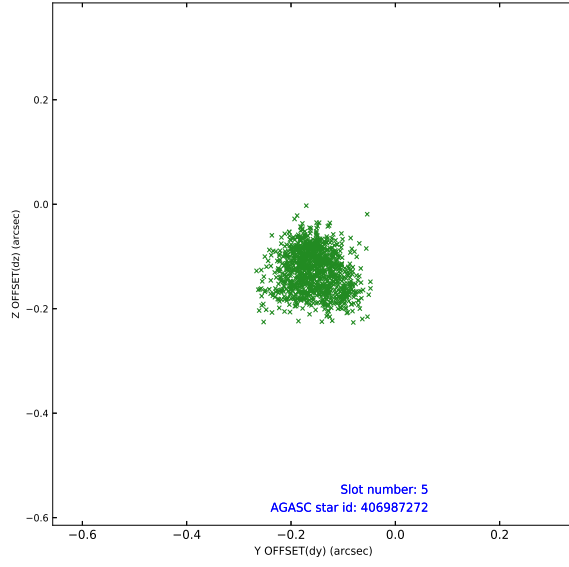
2.4.1 Slot 3



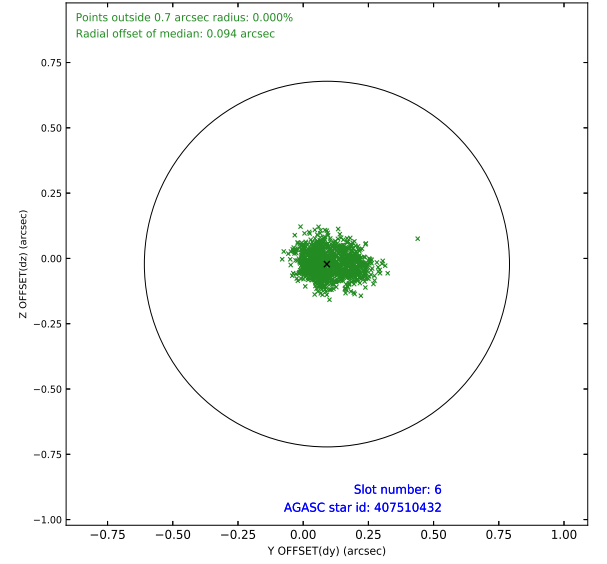
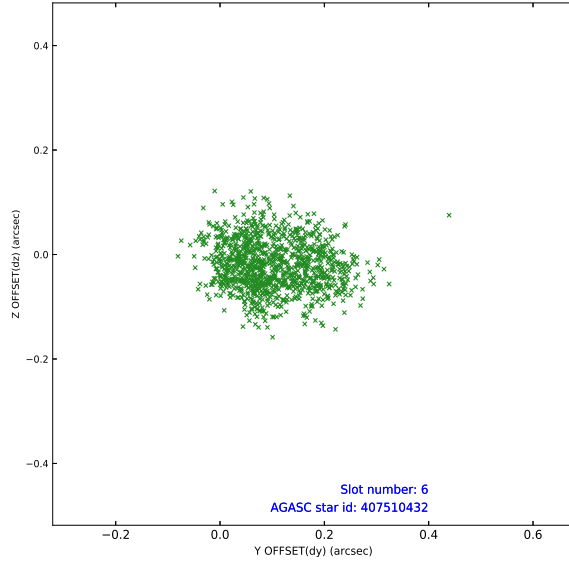
2.4.2 Slot 4



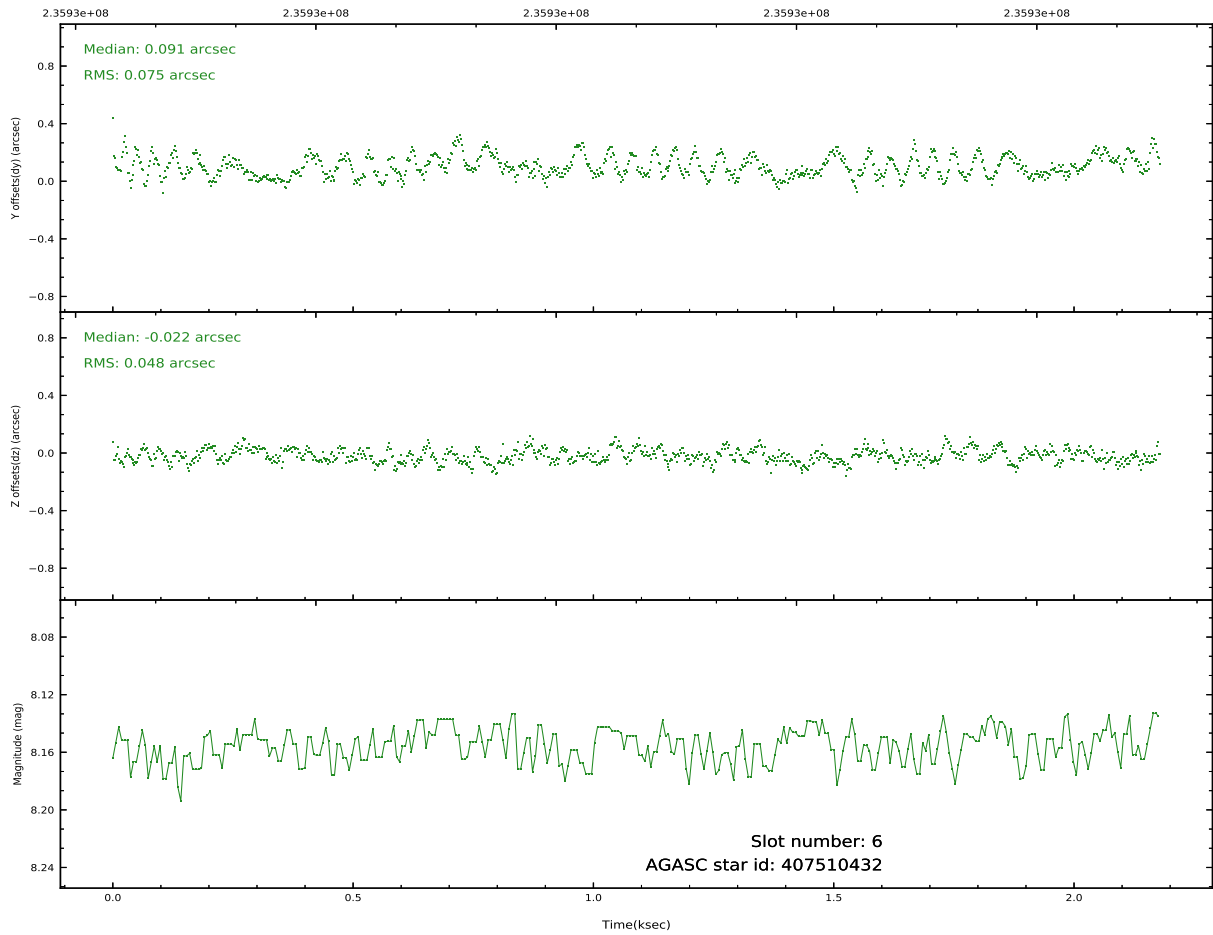
2.4.3 Slot 5



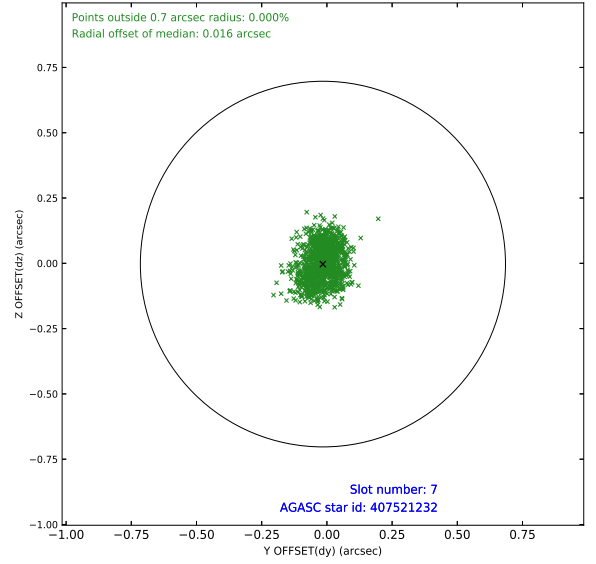
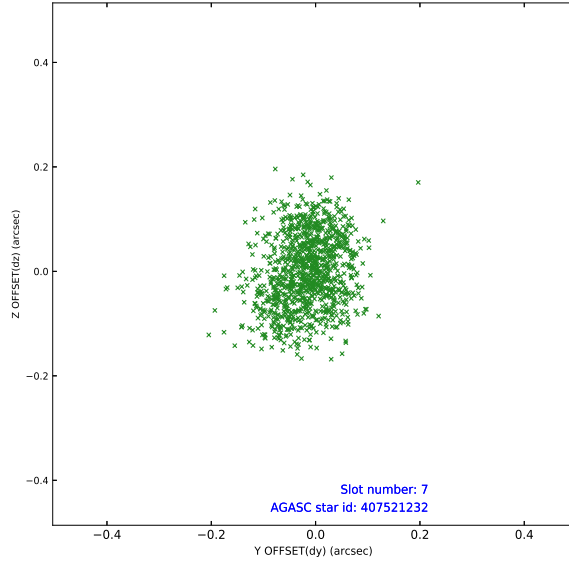
2.4.4 Slot 6



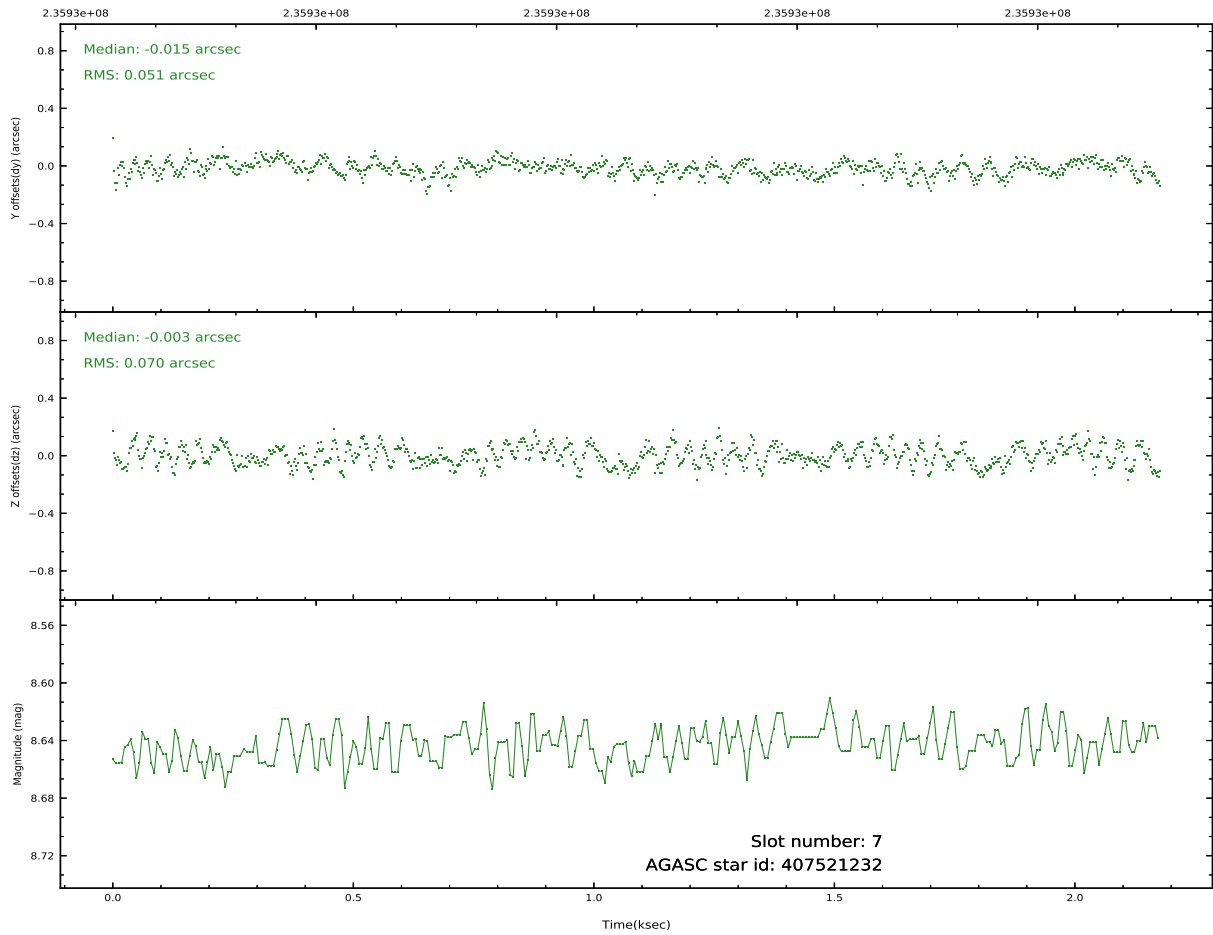
Time (s)



2.4.5 Slot 7

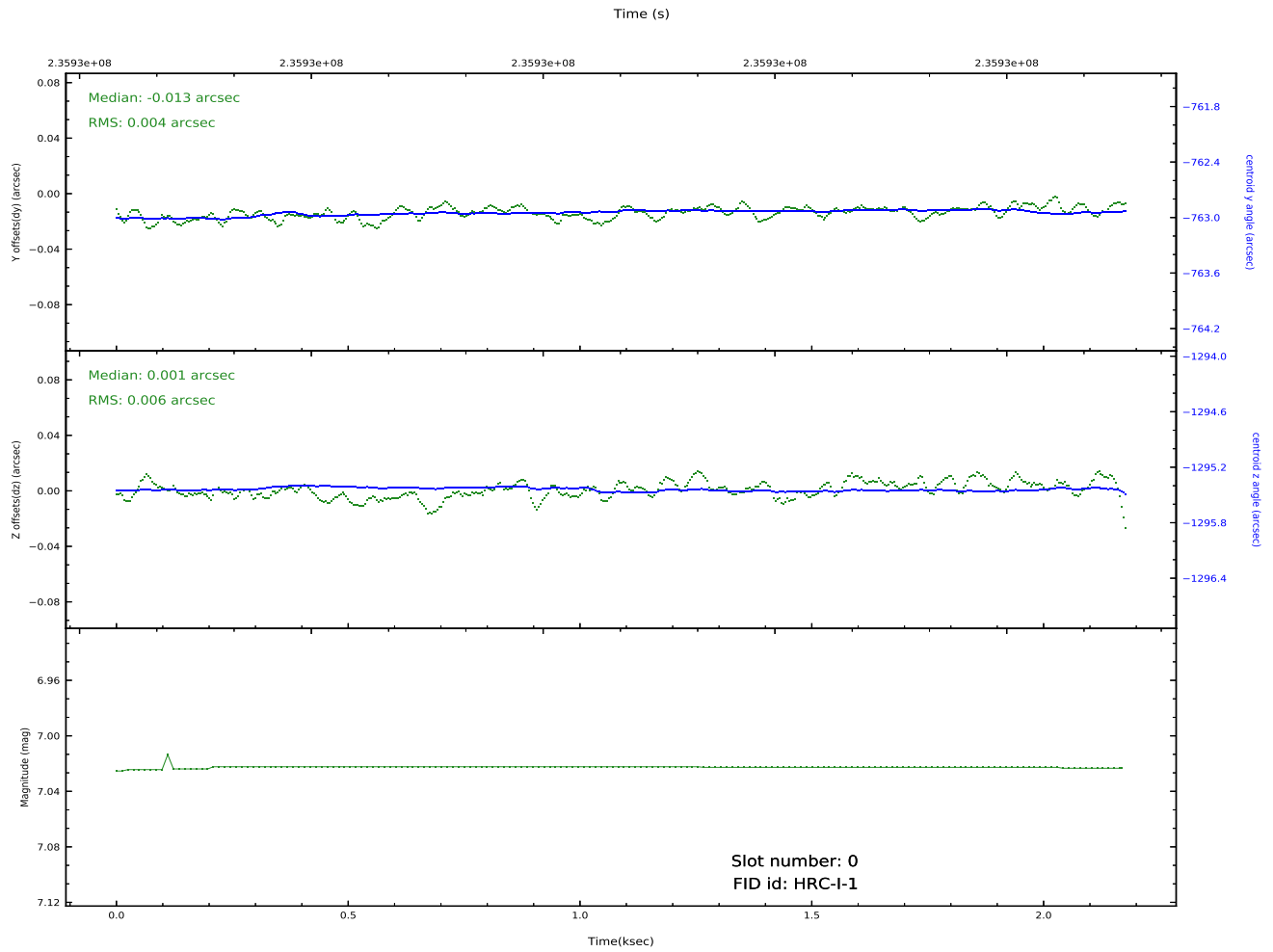
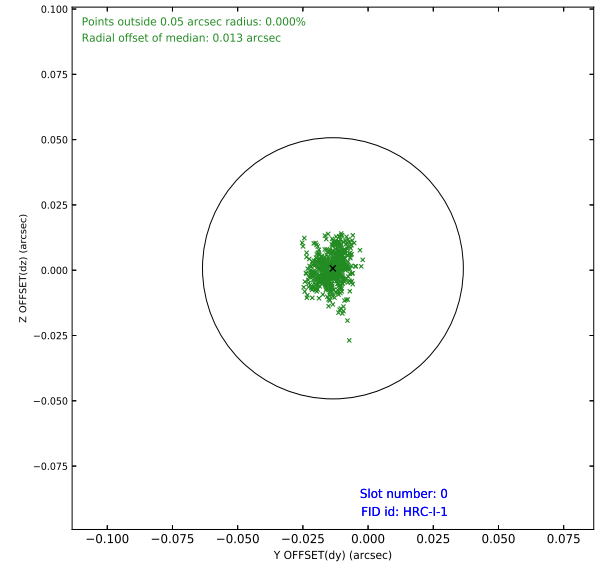
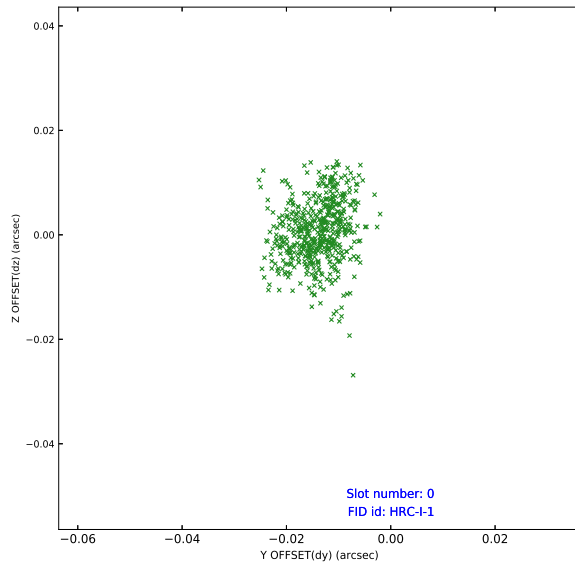


Time (s)

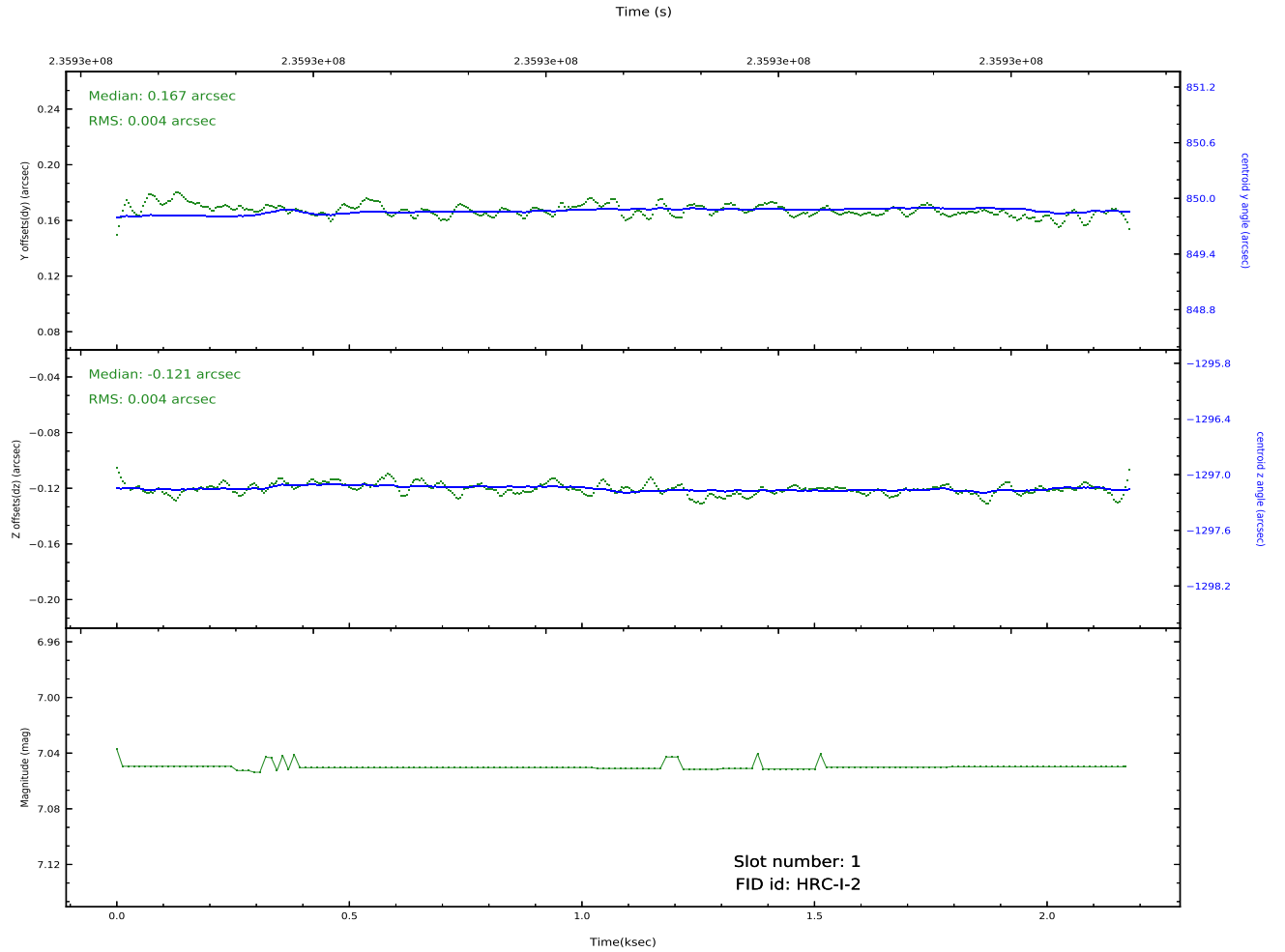
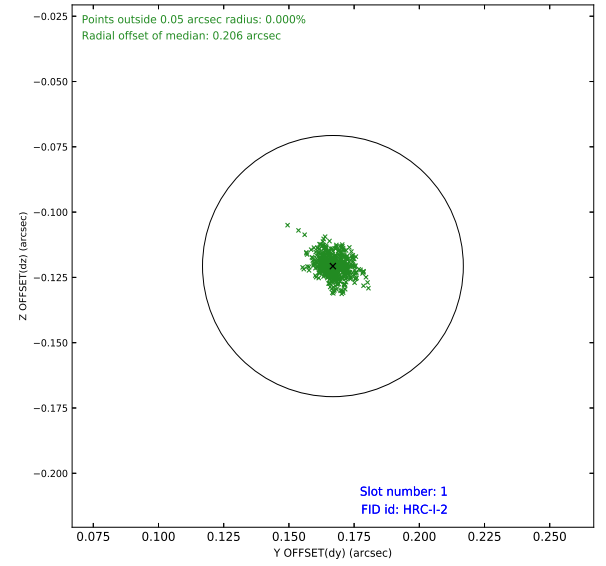
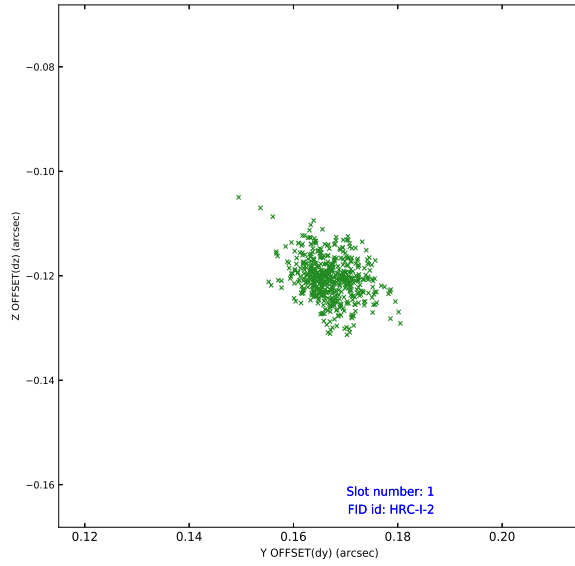


2.5 FID Slots

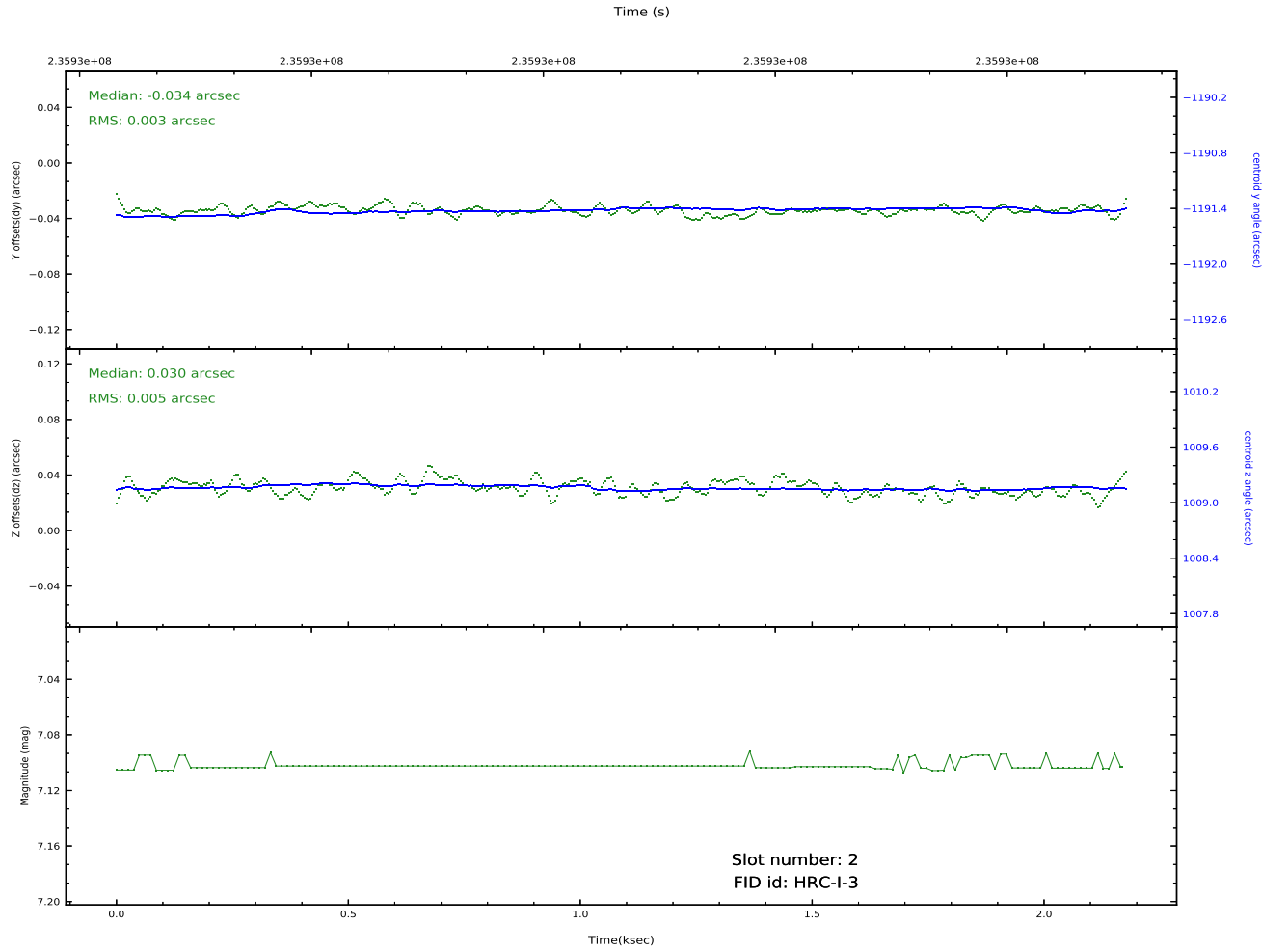
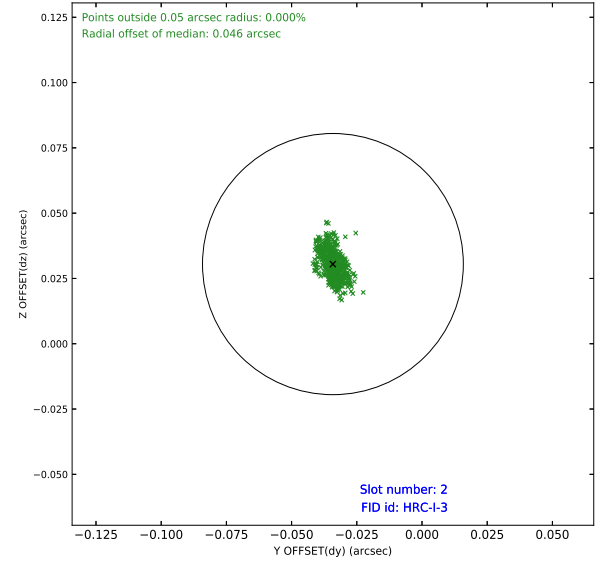
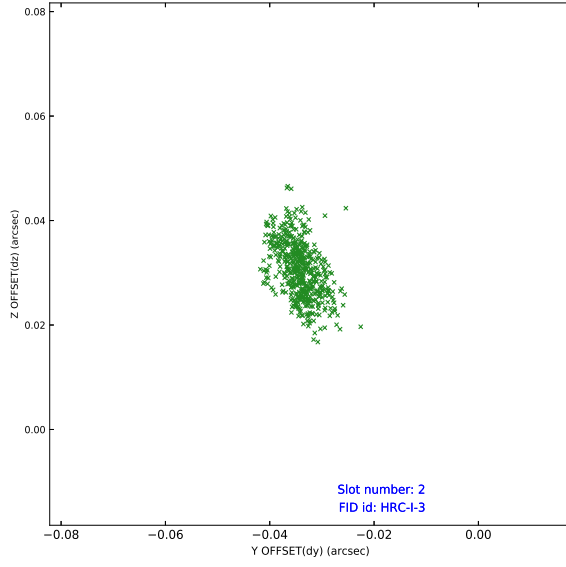
2.5.1 Slot 0



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	2.178381

A.2 Comments

Window constraint met.