

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5973 - L2 Version 4
Chandra X-Ray Center

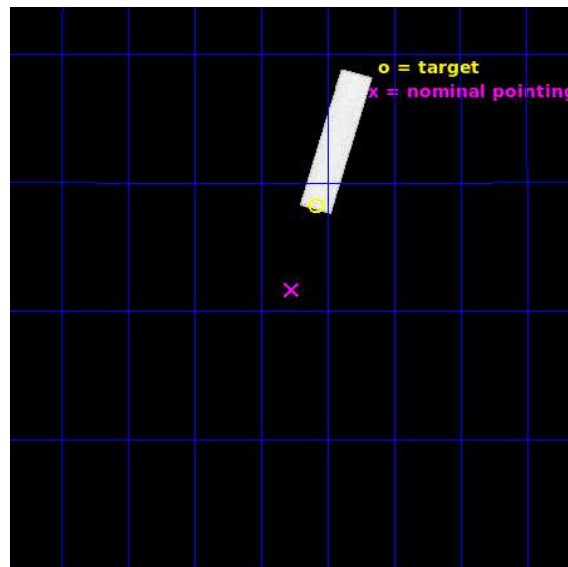
L2 Processing Date : Oct 6 2020

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

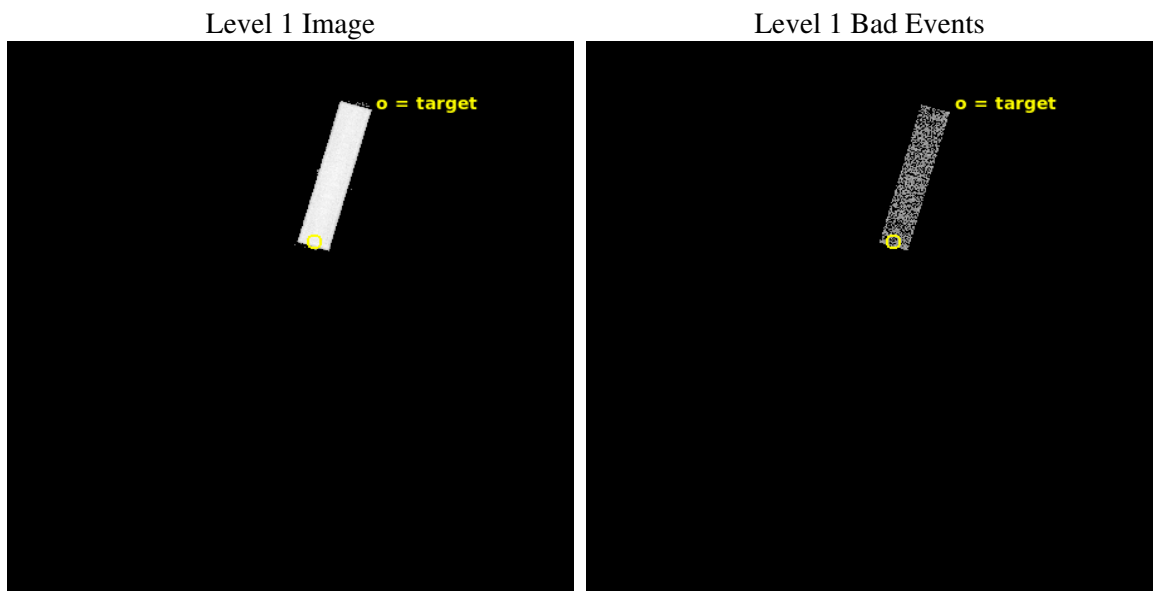
seq_num	290465	Sequence number
obs_id	5973	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.883992319078	Nominal RA [deg]
dec_nom	7.0836998837232	Nominal Dec [deg]
roll_nom	286.16945208415	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2184.5313487947	[s]
livetime	2171.3602526961	Ontime multiplied by DTCOR
l2events	95264	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	2184.5313487947	[s]
caldbver	4.9.2	 	l1events	135878	Number of level 1 events
date	2020-10-06T14:47:48	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

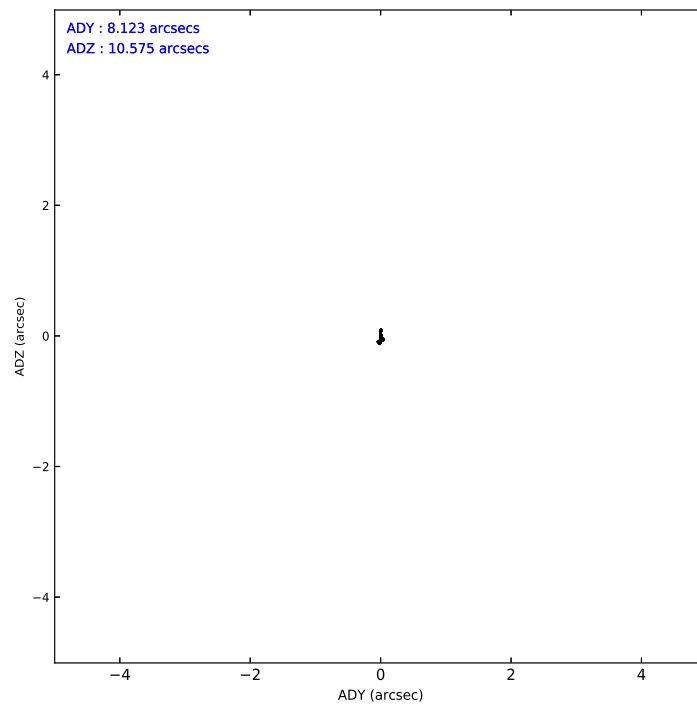
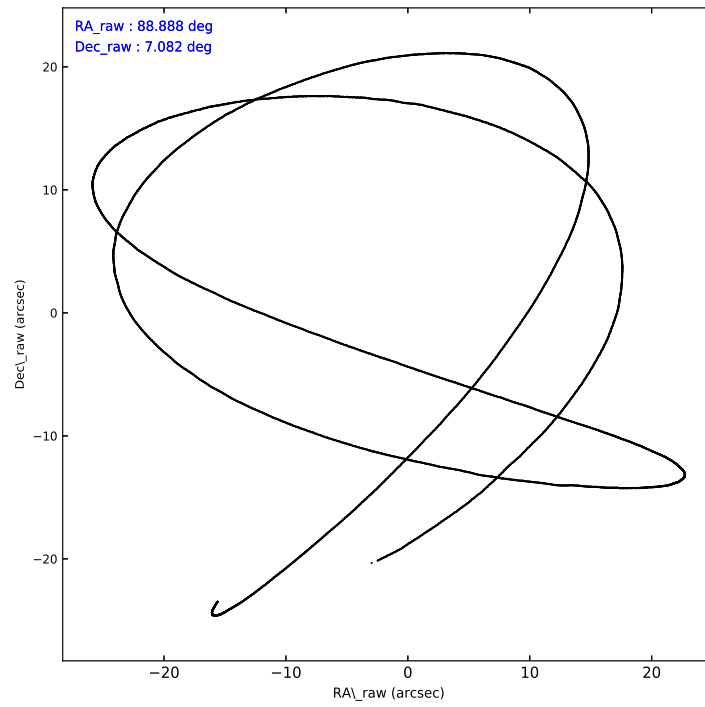
	segment 1	segment 2	segment 3
level 1 events	135878	0	0
rejected events	15669	0	0
rejected %	11%	0%	0%

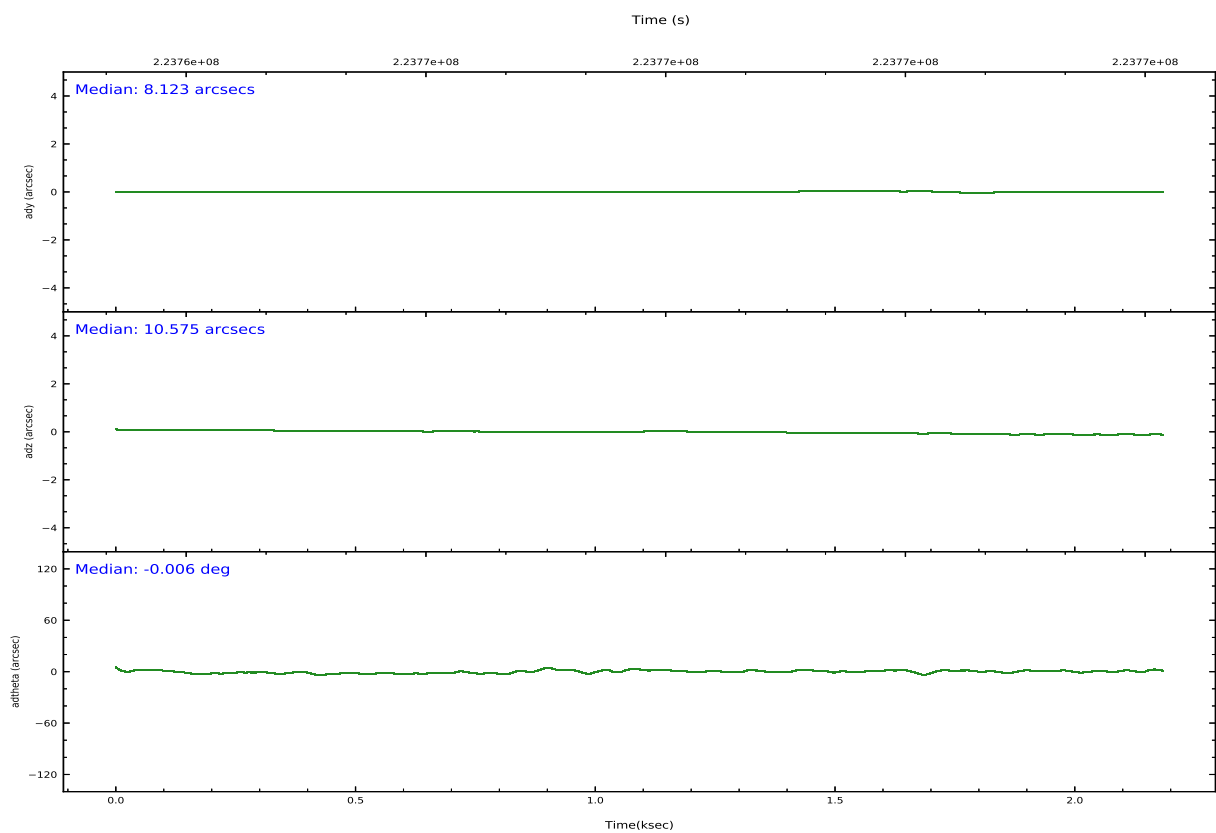
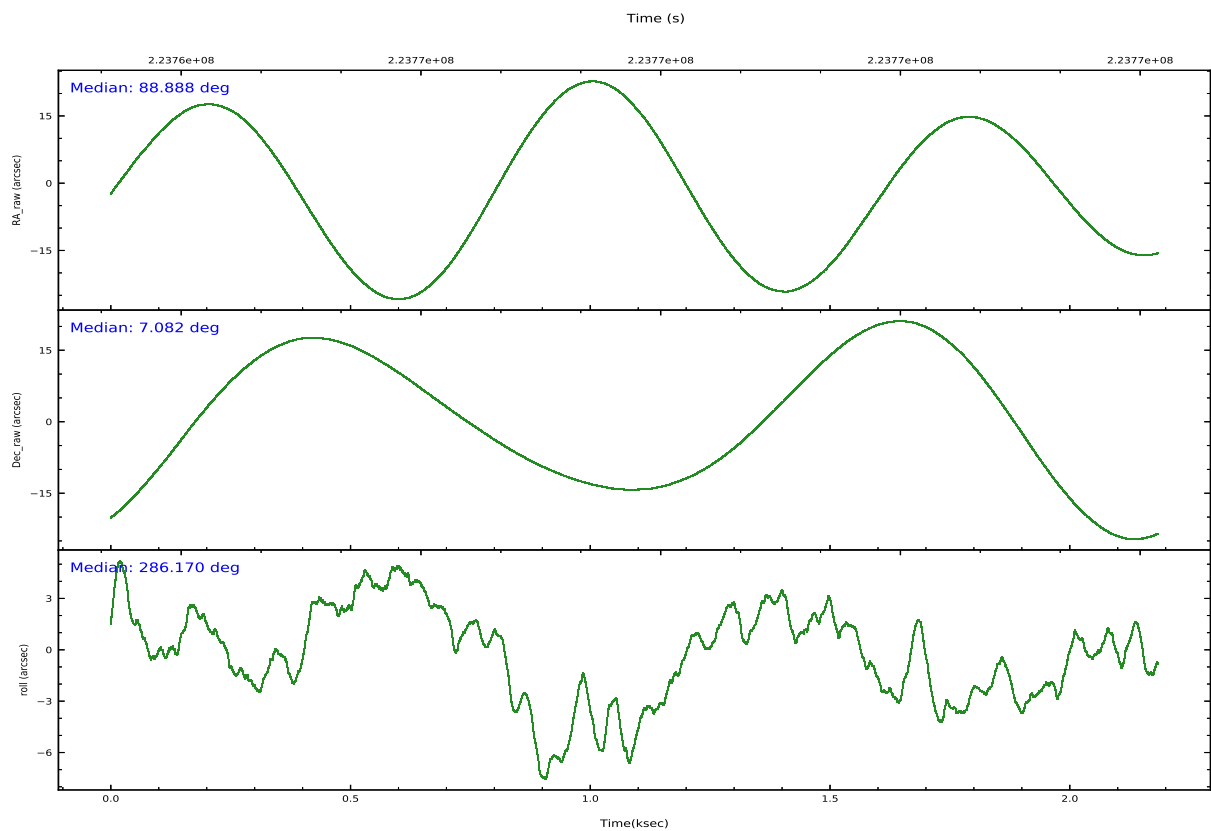
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	88.865562	88.883992319078
[deg] Pointing Dec	7.101034	7.0836998837232
[deg] Pointing Roll	286.101895	286.16945208415
[s] Window start time (MET)	223603264.184000	223603264.184000
[s] Window stop time (MET)	228614464.184000	228614464.184000
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	223765037.184000	223764661.12765
Observation start date	2005-02-02T20:56:13	2005-02-02T20:51:01
[s] Observation end time (MET)	223767037.184000	223767171.35276
Observation end date	2005-02-02T21:29:33	2005-02-02T21:32:51

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

2.3 Aspect



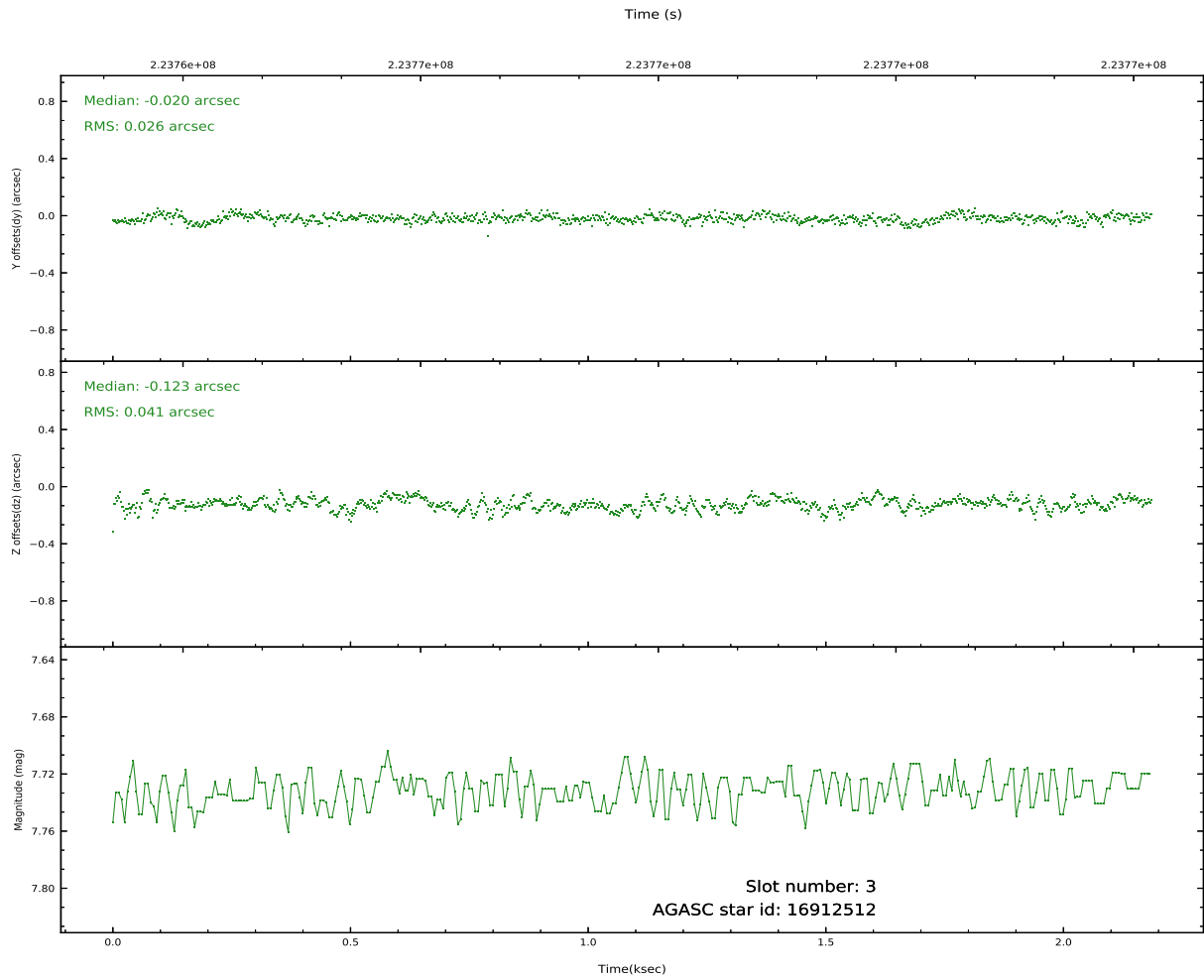
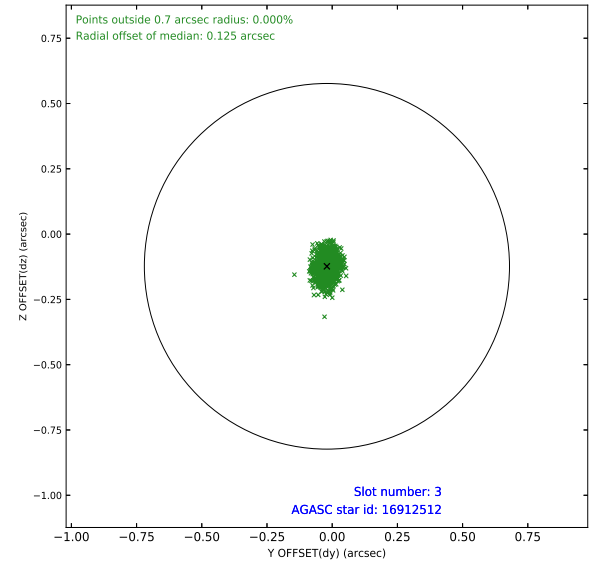
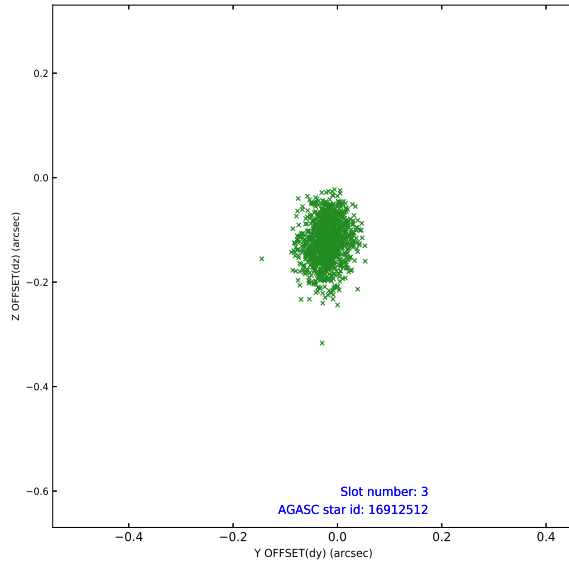


Slot Statistics

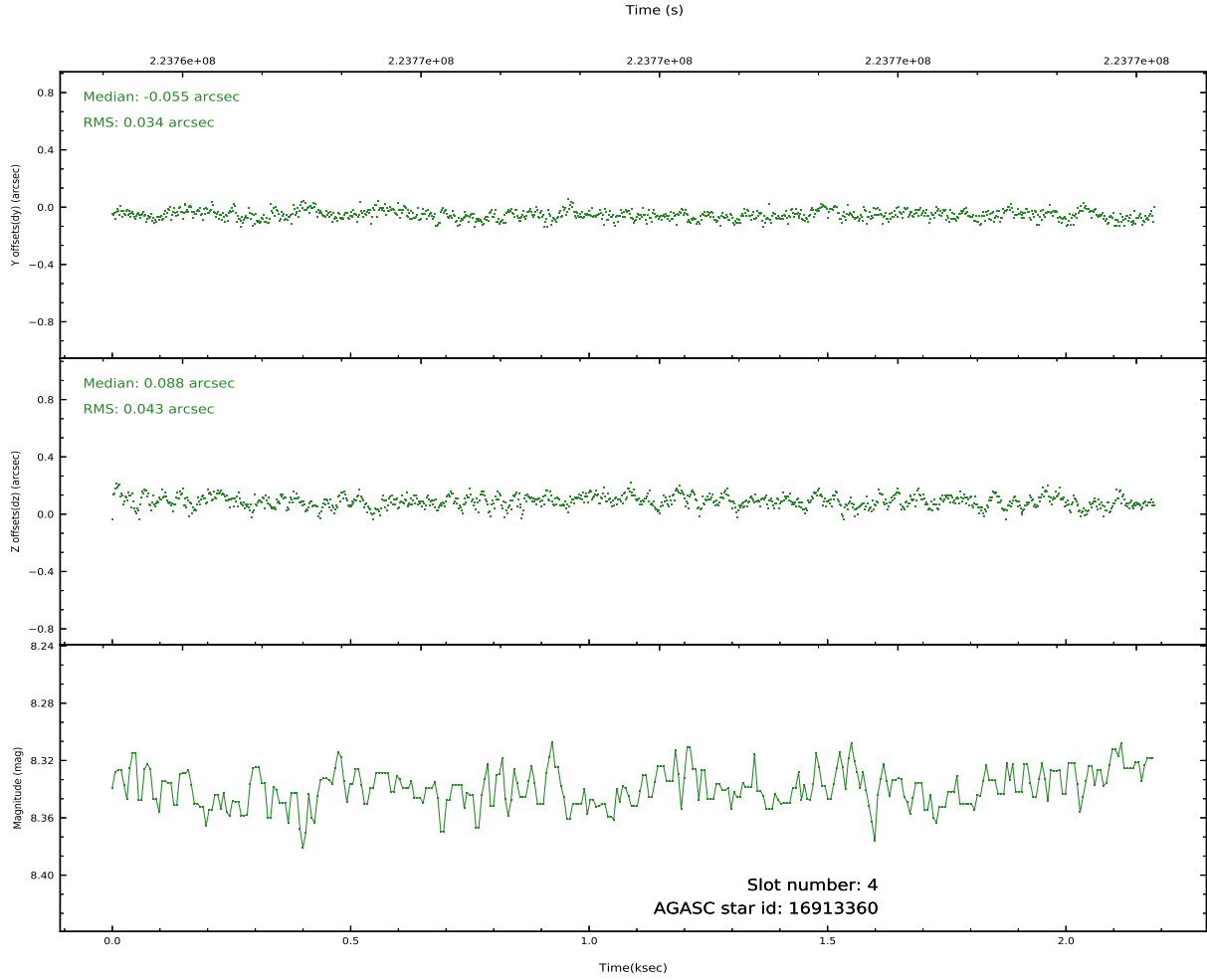
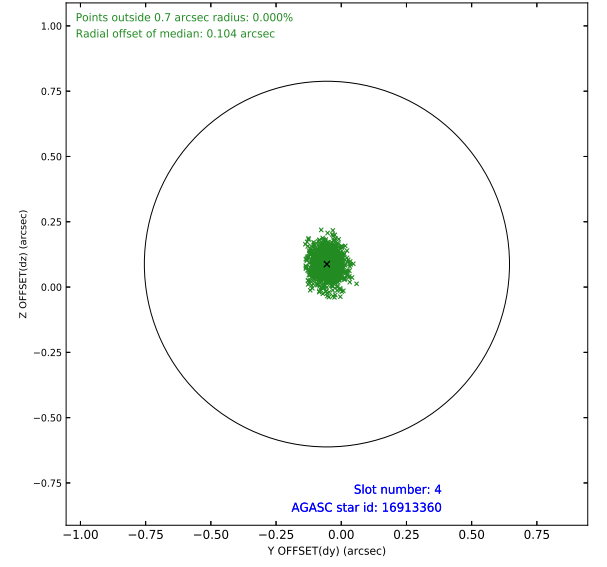
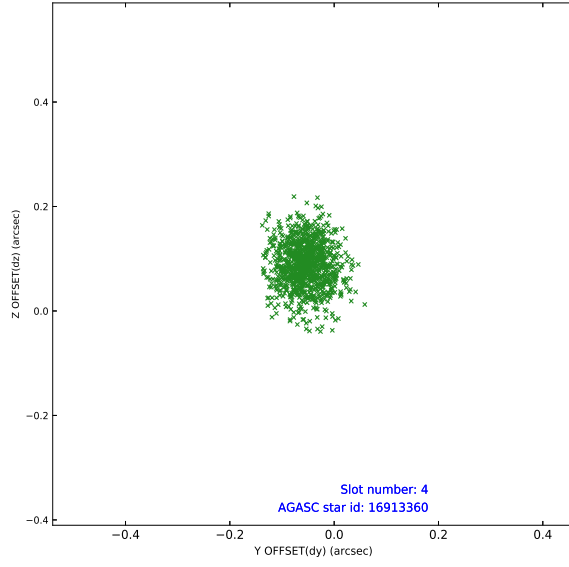
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.01	533	1.000	0.060	-0.216	0.008	0.014	0.000000	0.000000	-1162.34	-459
1	FID		HRC-S-3	7.03	533	1.000	0.070	-0.011	0.010	0.016	0.000000	0.000000	-1167.28	569
2	FID		HRC-S-4	6.98	533	1.000	0.258	-0.070	0.006	0.011	0.000000	0.000000	1233.87	574
3	GUIDE	used	16912512	7.73	1067	1.000	-0.020	-0.123	0.051	0.084	88.651510	7.129862	-311.83	-706
4	GUIDE	used	16913360	8.34	1067	1.000	-0.055	0.088	0.059	0.095	89.178373	7.247125	-196.01	1217
5	GUIDE	used	16917248	8.71	1067	1.000	0.142	0.142	0.063	0.099	89.306967	6.774731	1565.60	1191
6	GUIDE	used	16918912	8.64	1067	1.000	0.166	0.093	0.070	0.114	89.257075	6.922287	1007.47	1166
7	GUIDE	used	93856056	7.97	1066	1.000	-0.233	-0.197	0.063	0.102	88.147460	7.547925	-2257.50	-2015

2.4 Star Slots

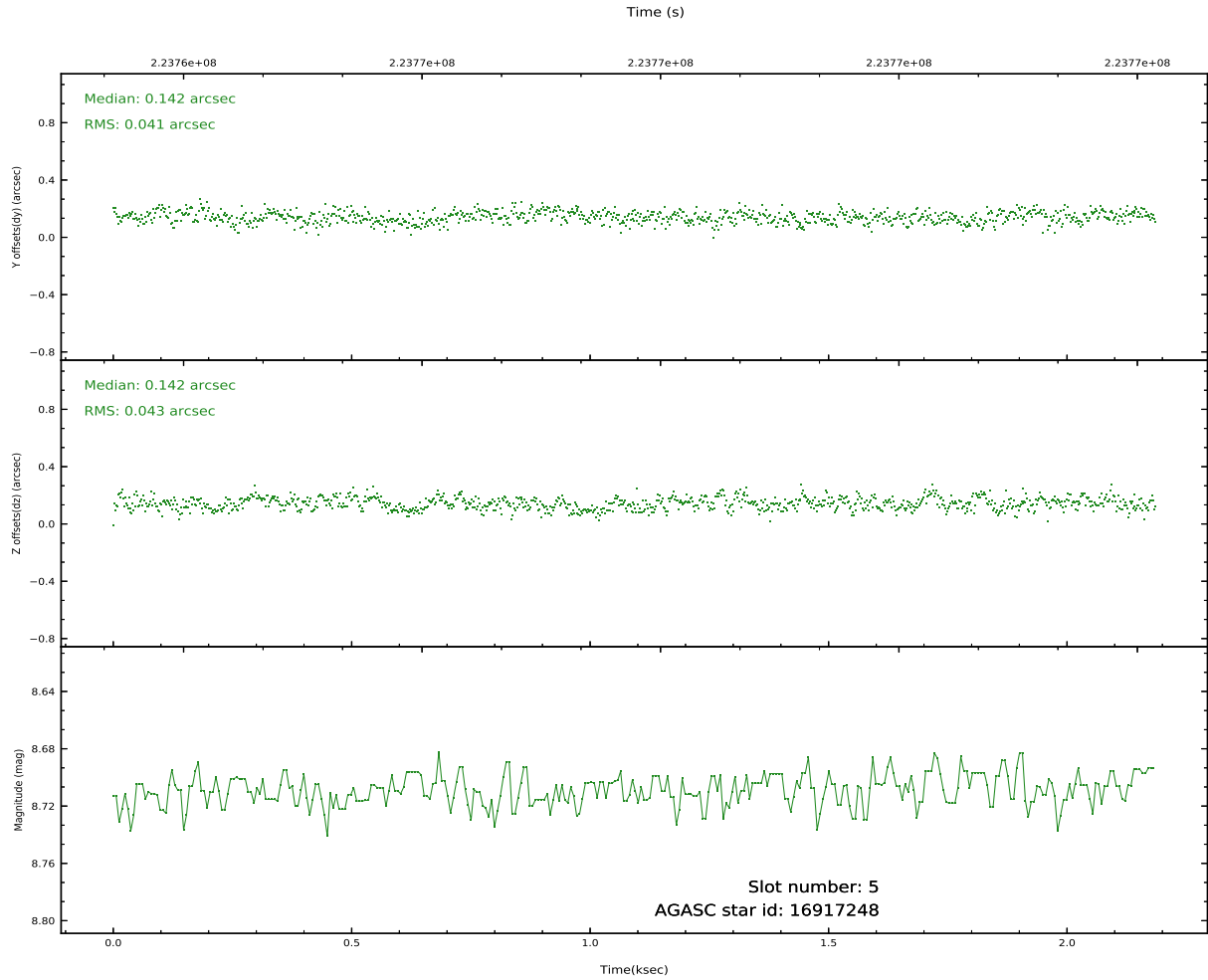
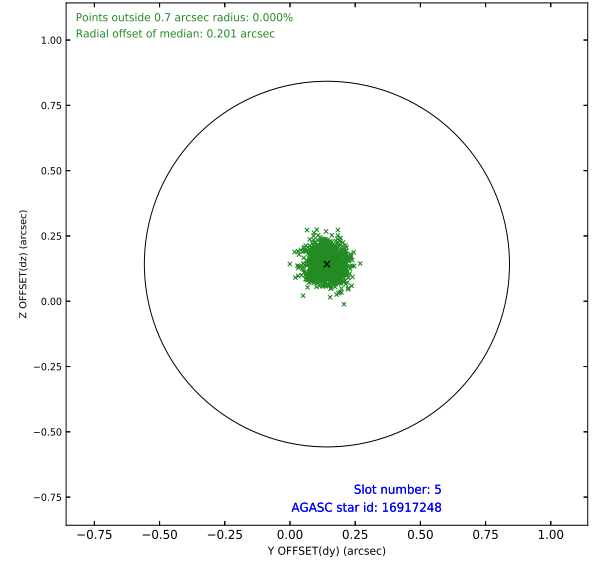
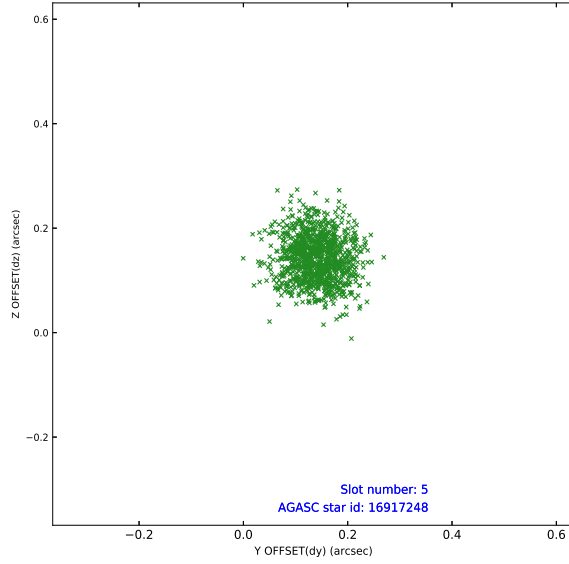
2.4.1 Slot 3



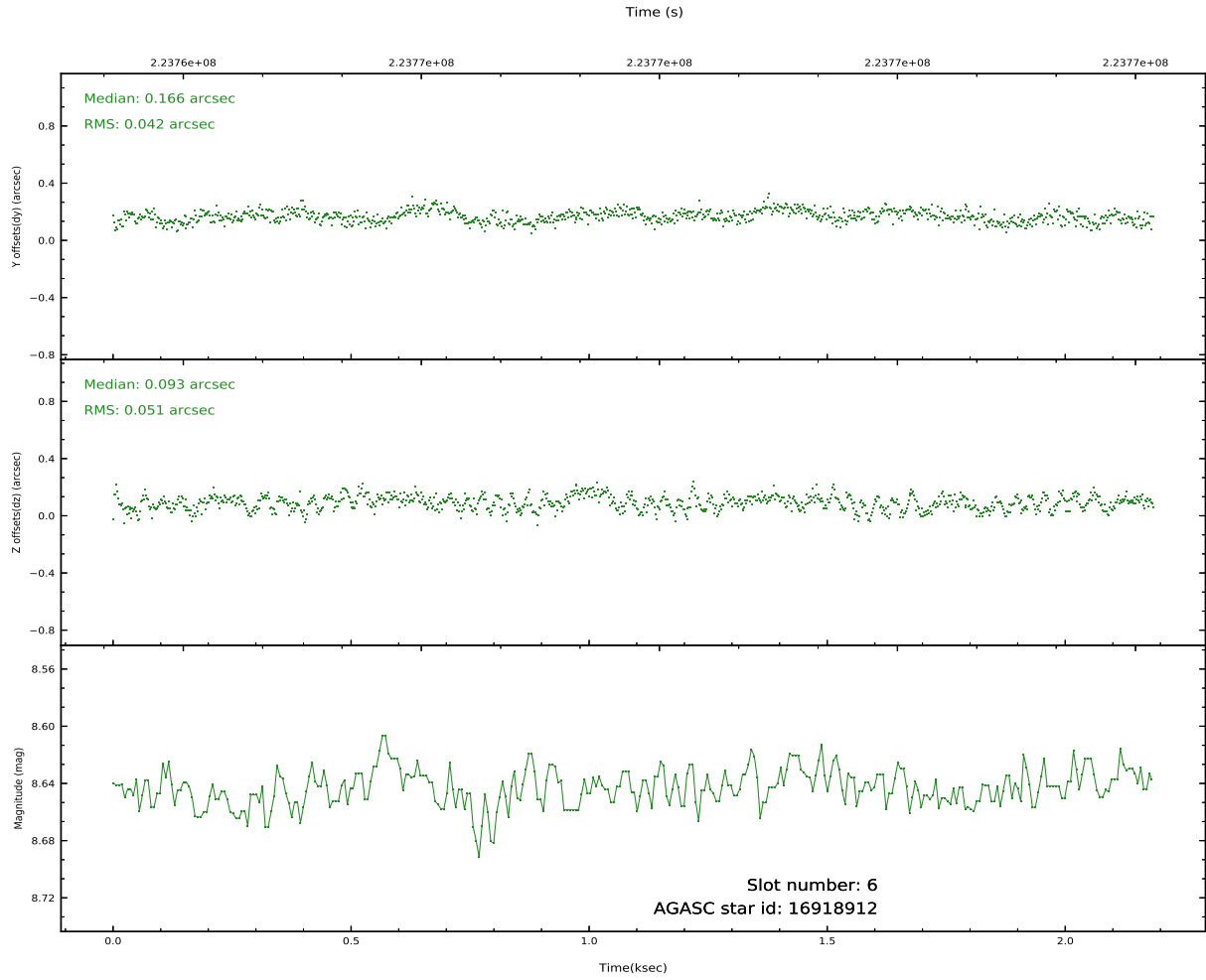
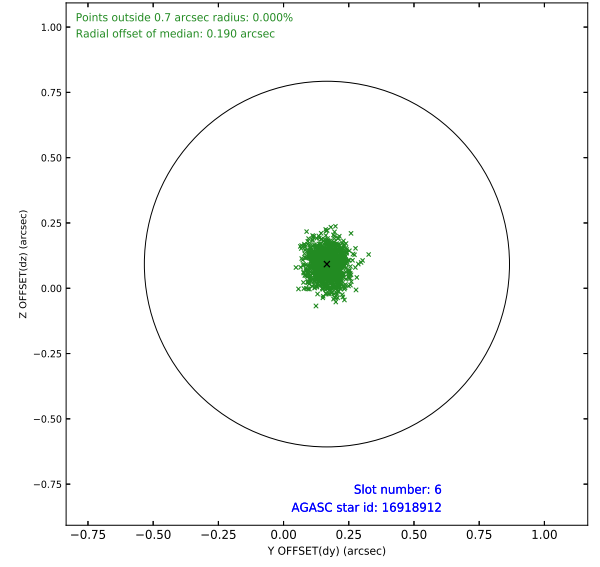
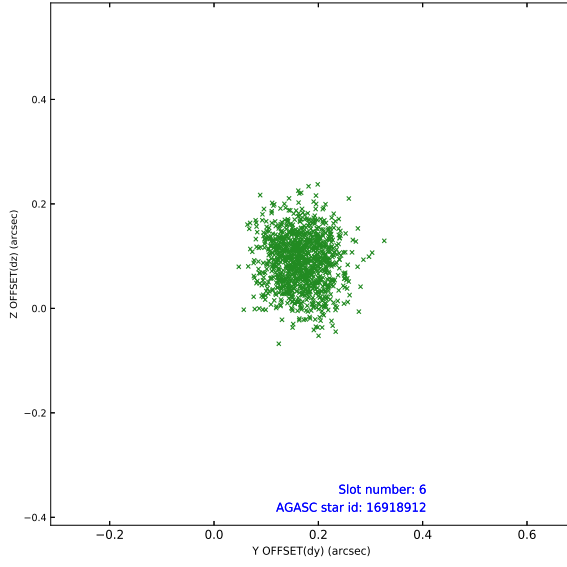
2.4.2 Slot 4



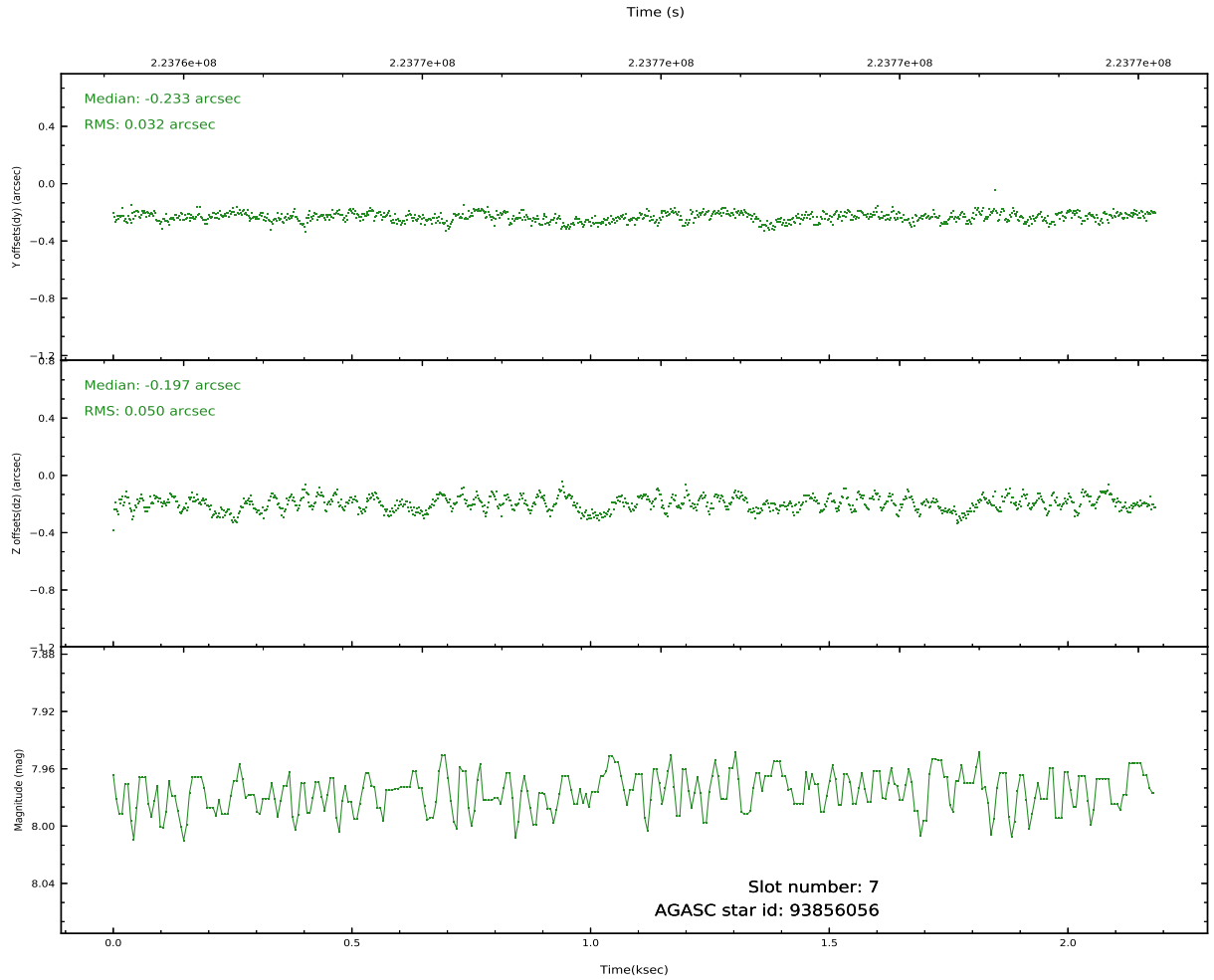
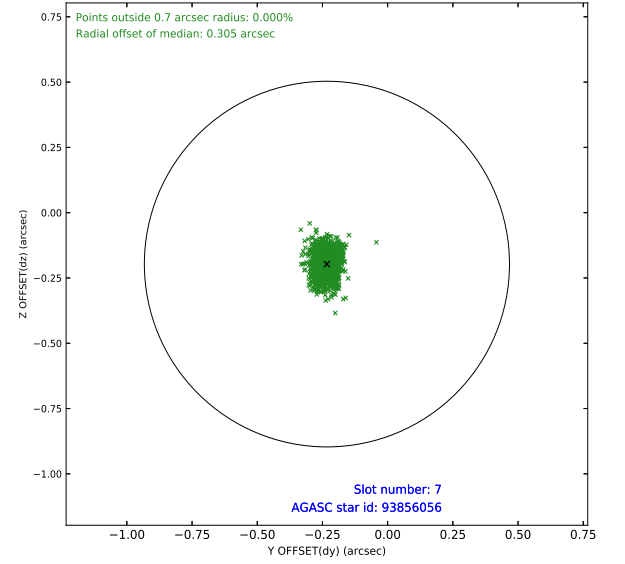
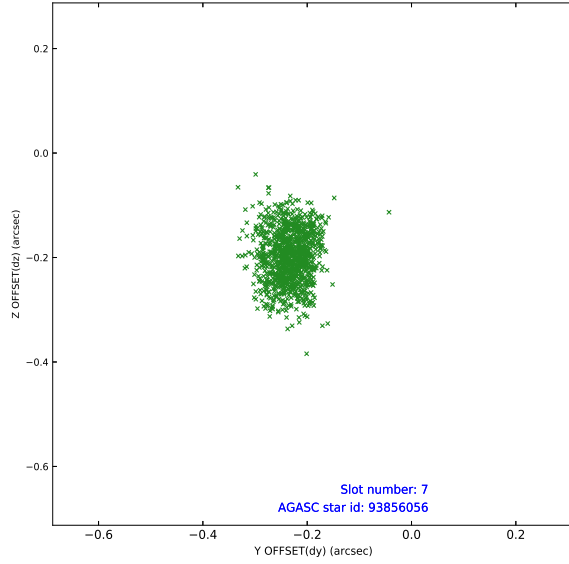
2.4.3 Slot 5



2.4.4 Slot 6

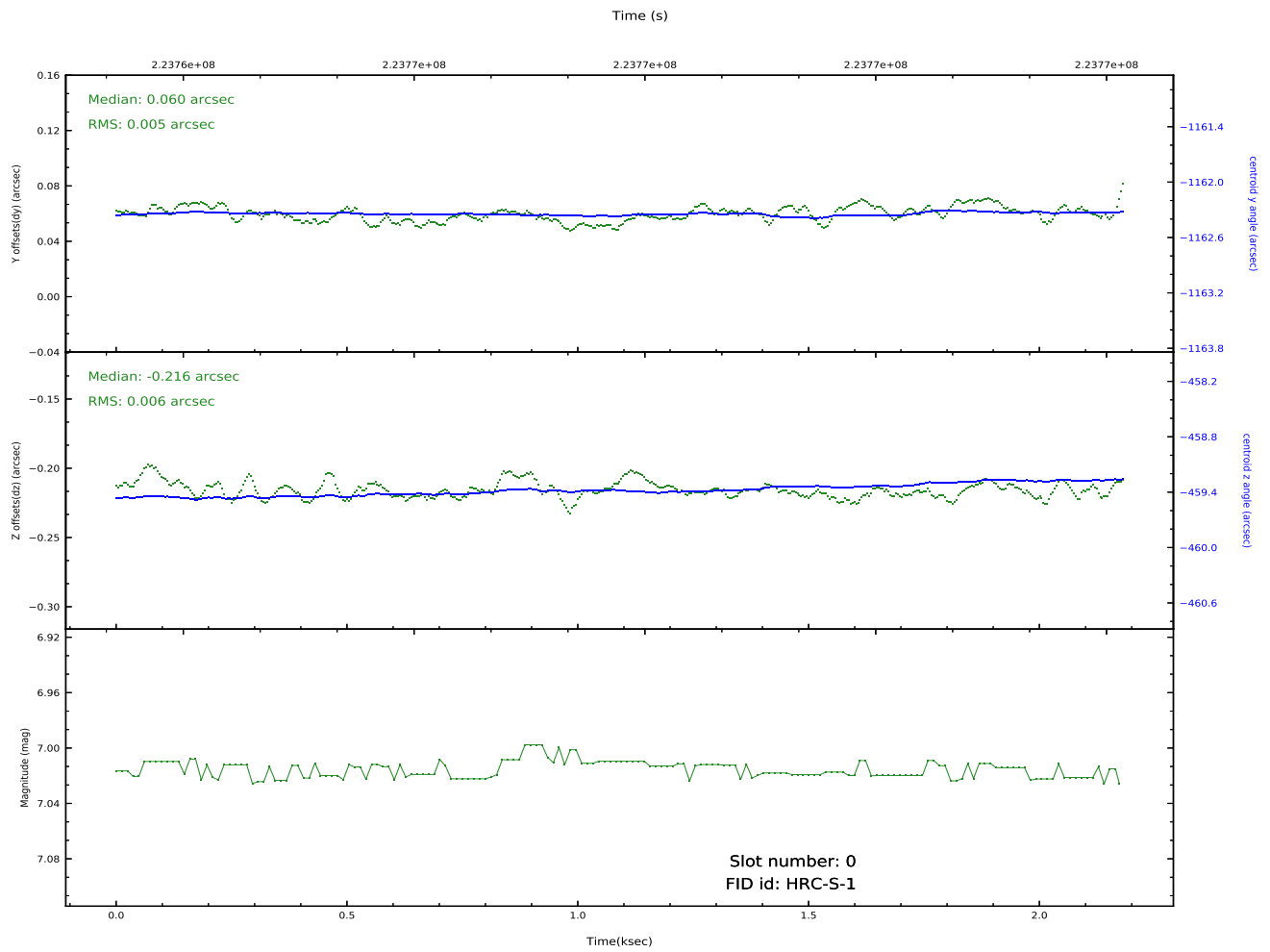
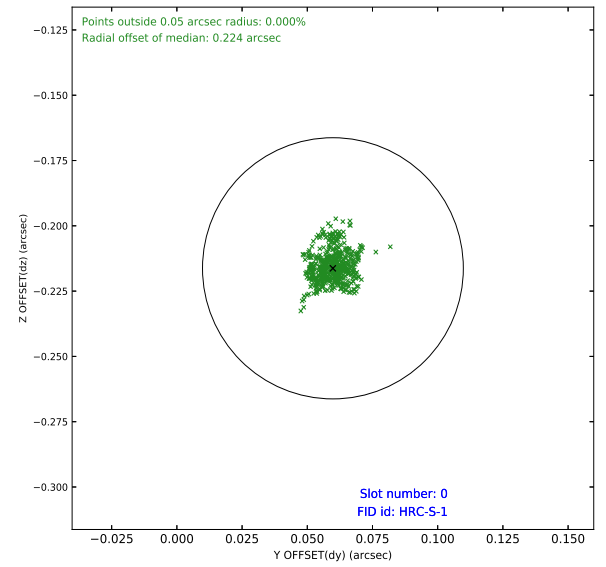
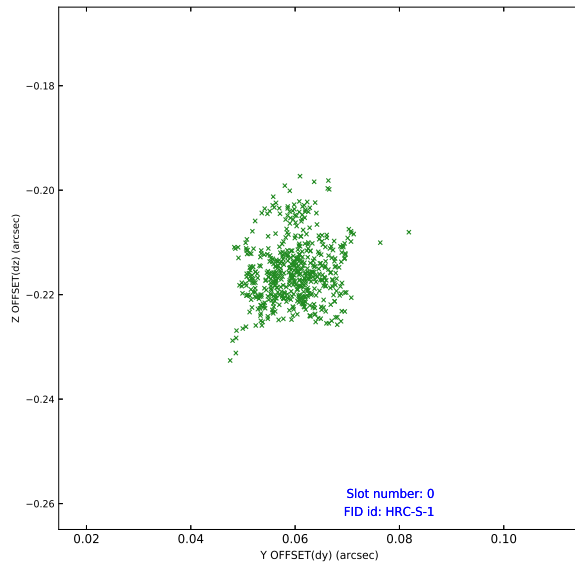


2.4.5 Slot 7

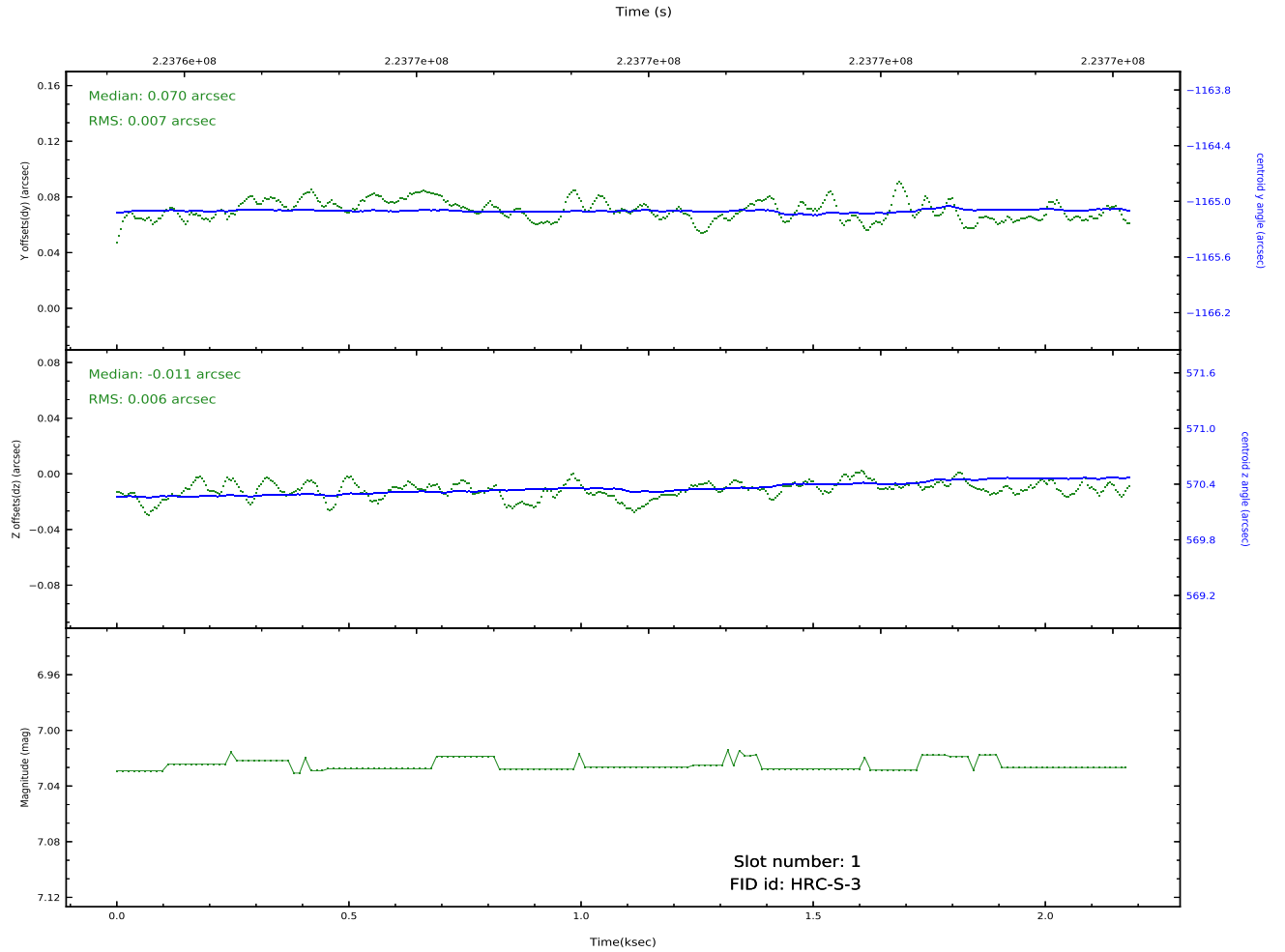
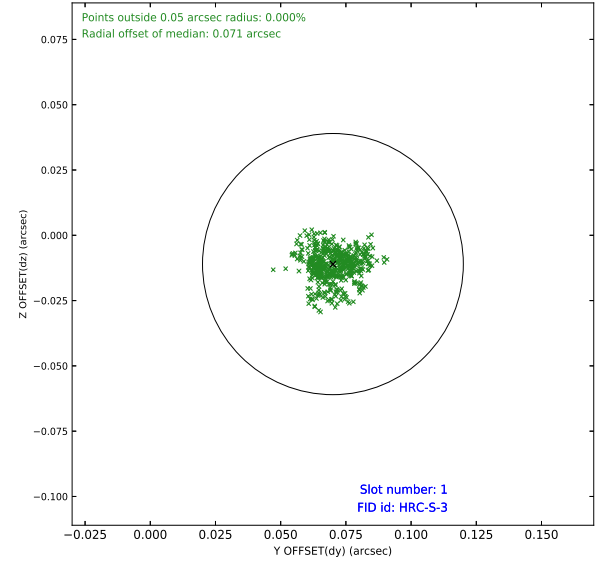
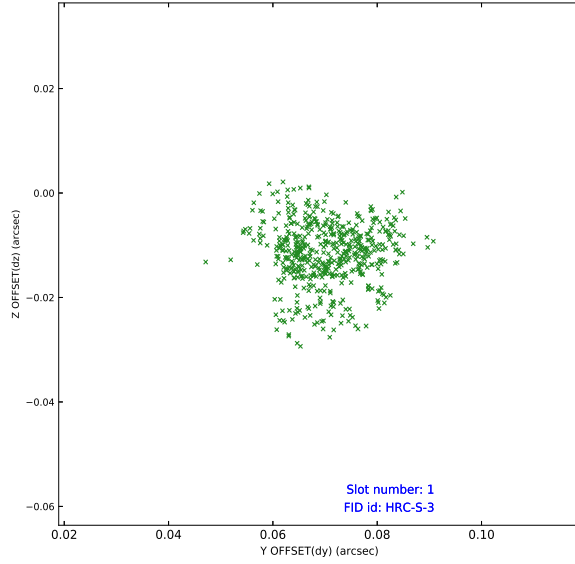


2.5 FID Slots

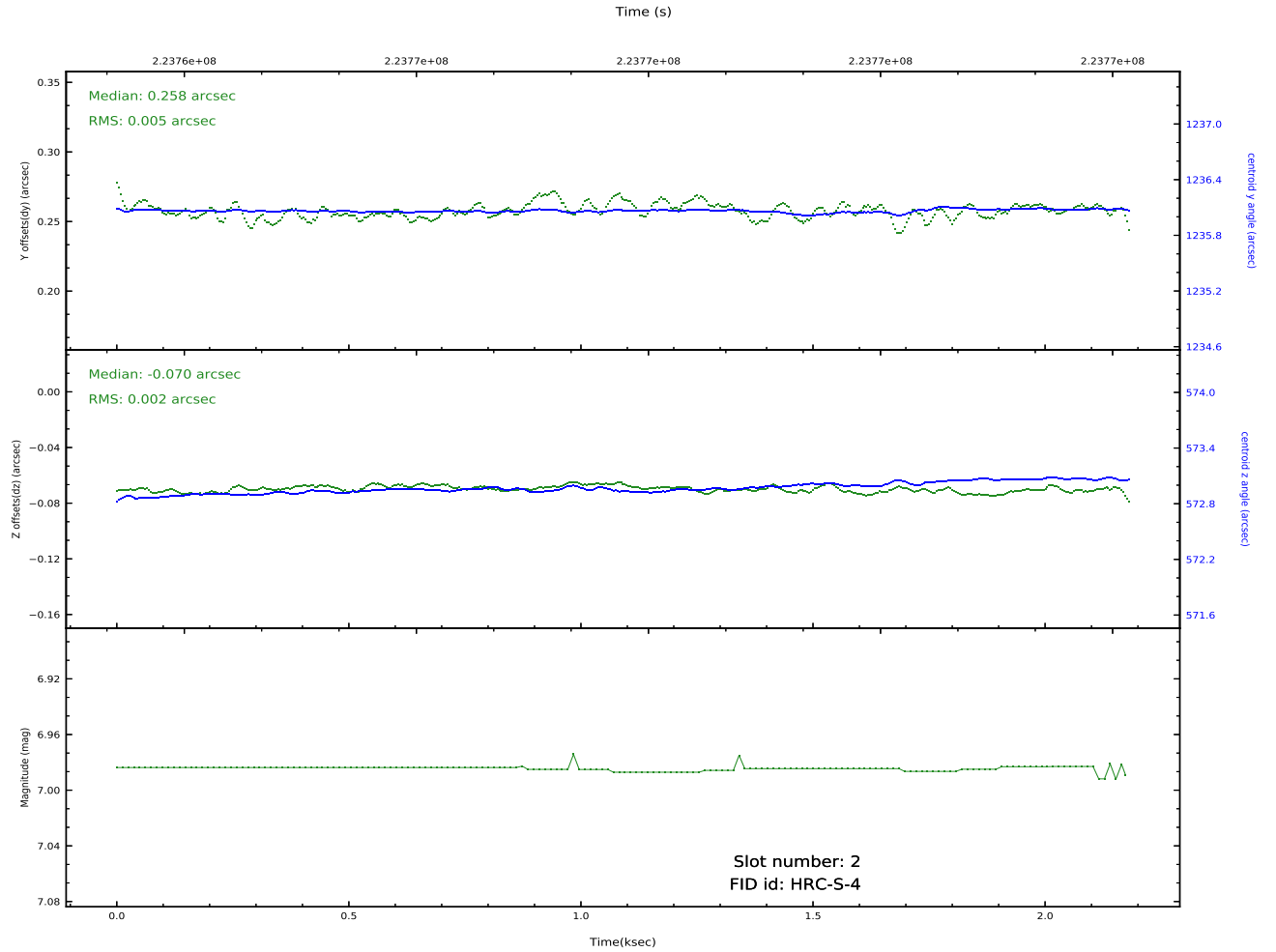
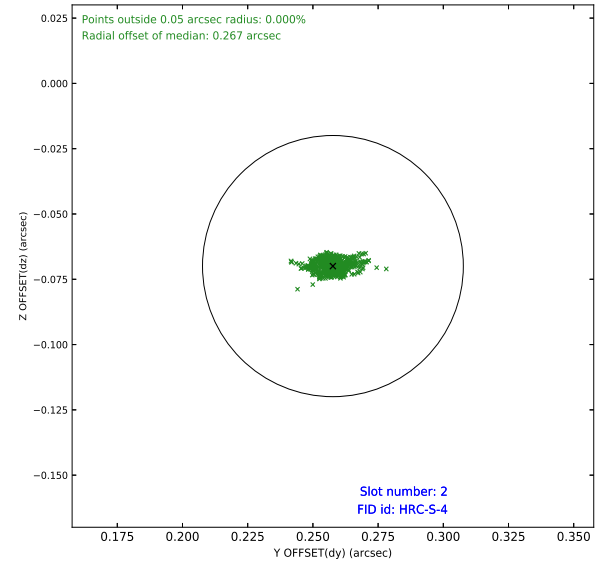
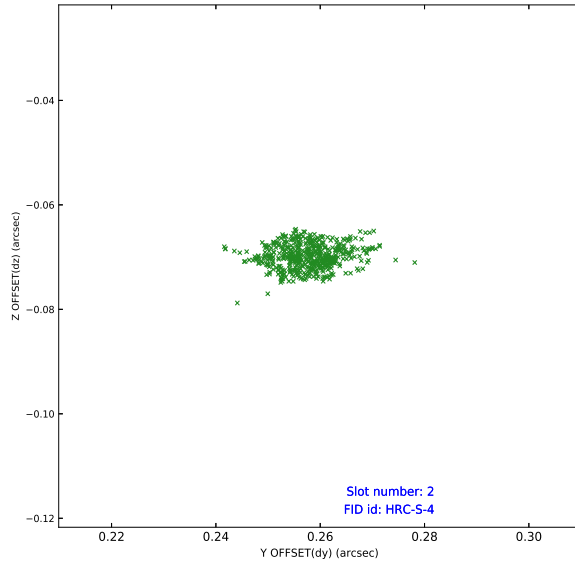
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.184275

A.2 Comments

Window constraint met.