

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5090 - L2 Version 4
Chandra X-Ray Center

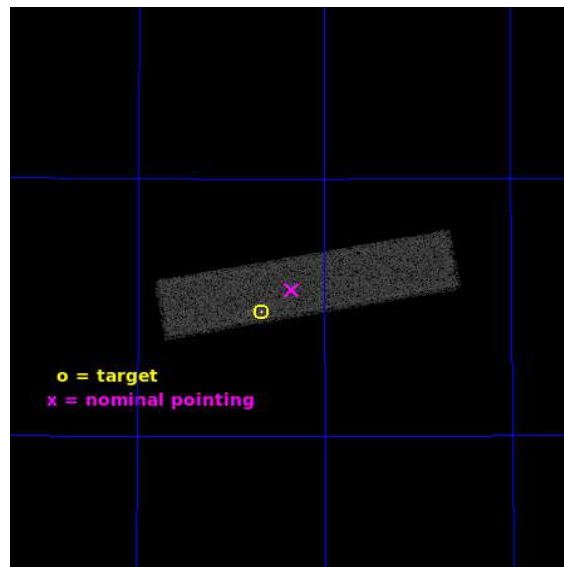
L2 Processing Date : Sep 23 2020

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

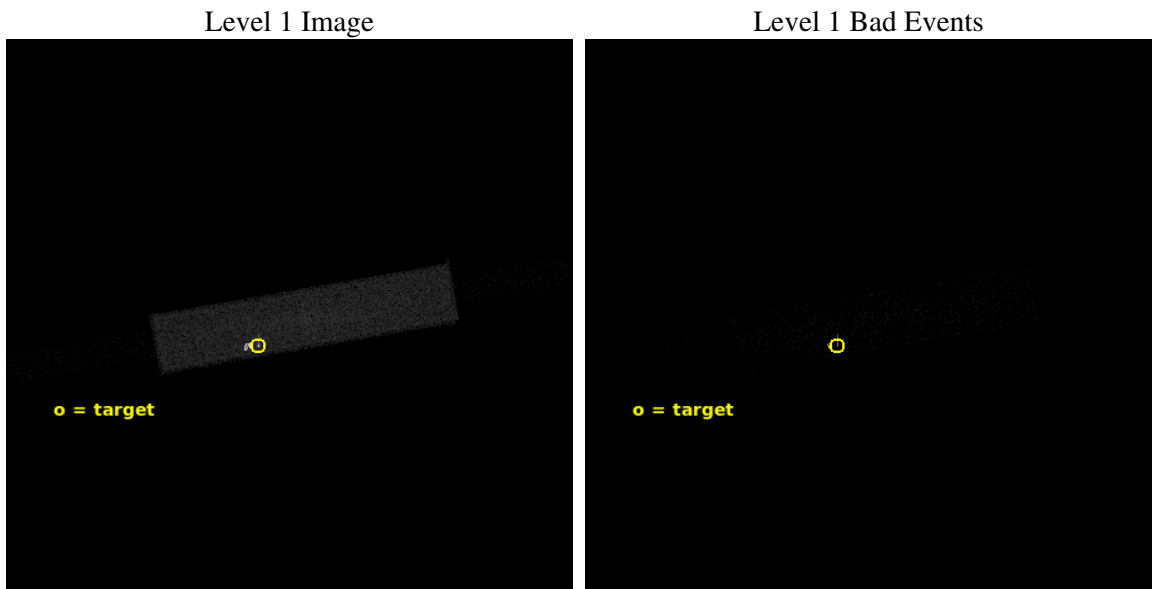
seq_num	290363	Sequence number
obs_id	5090	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08729676093	Nominal RA [deg]
dec_nom	45.784667746619	Nominal Dec [deg]
roll_nom	349.65789055179	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1088.8062976301	[s]
livetime	1076.9964225848	Ontime multiplied by DTCOR
l2events	39054	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	946.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1088.8062976301	[s]
caldbver	4.9.2	 	l1events	123767	Number of level 1 events
date	2020-09-23T05:06:52	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

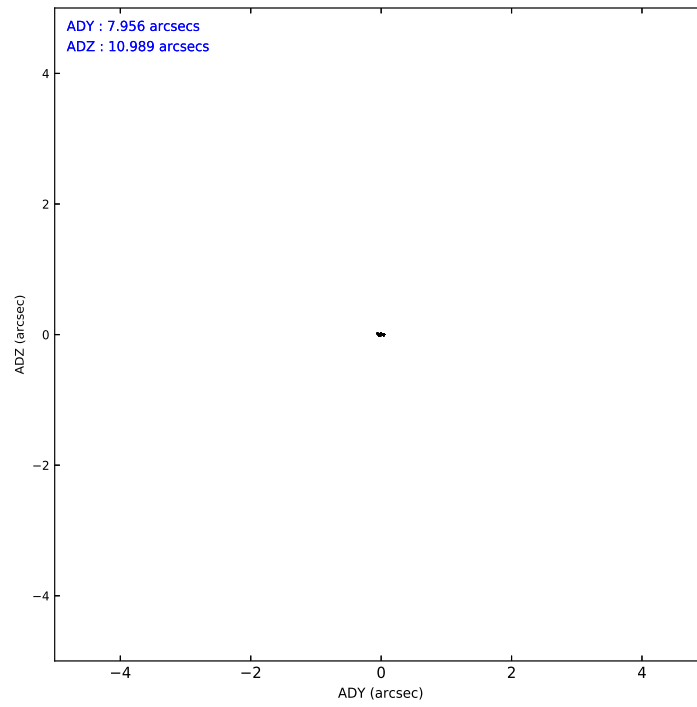
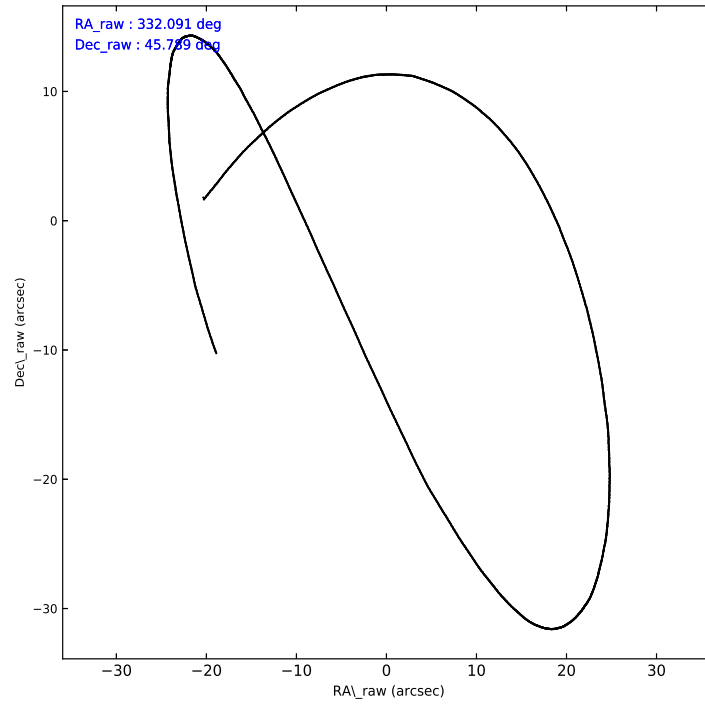
	segment 1	segment 2	segment 3
level 1 events	1144	121556	1067
rejected events	1144	30417	1067
rejected %	100%	25%	100%

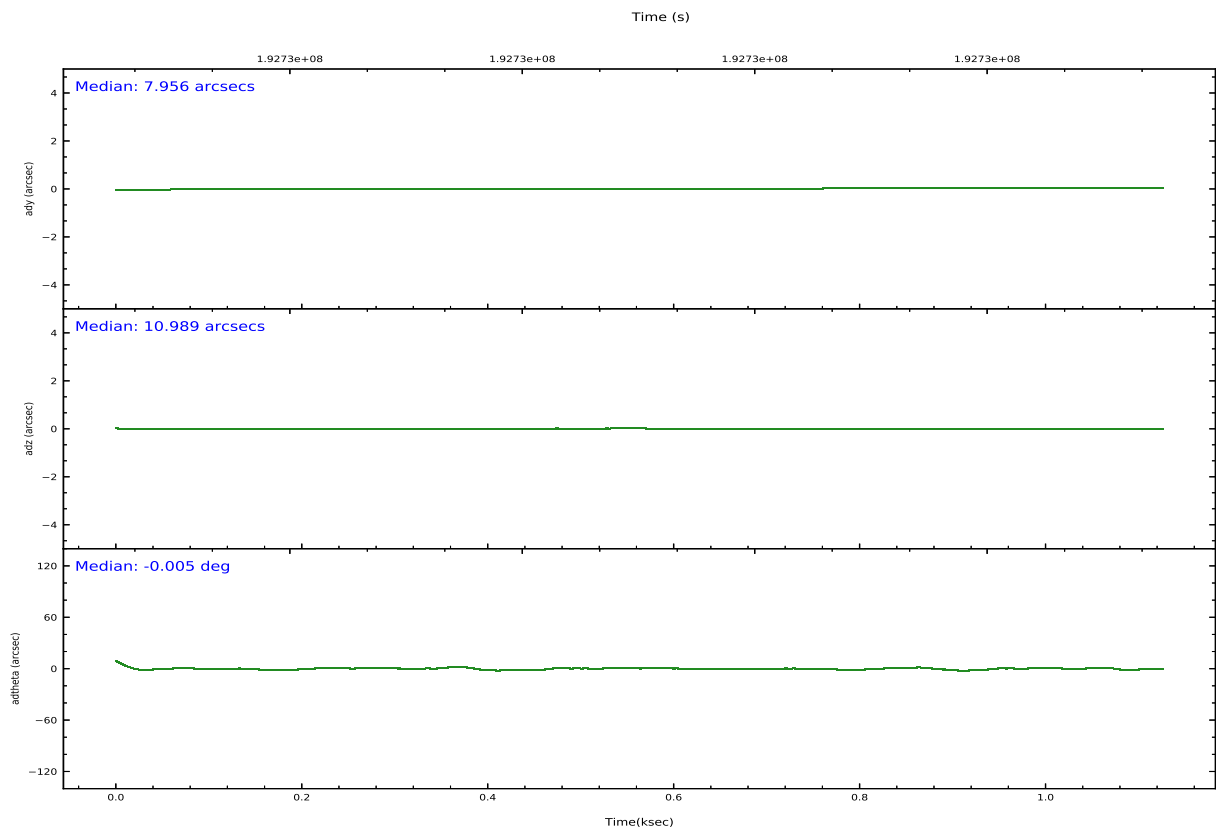
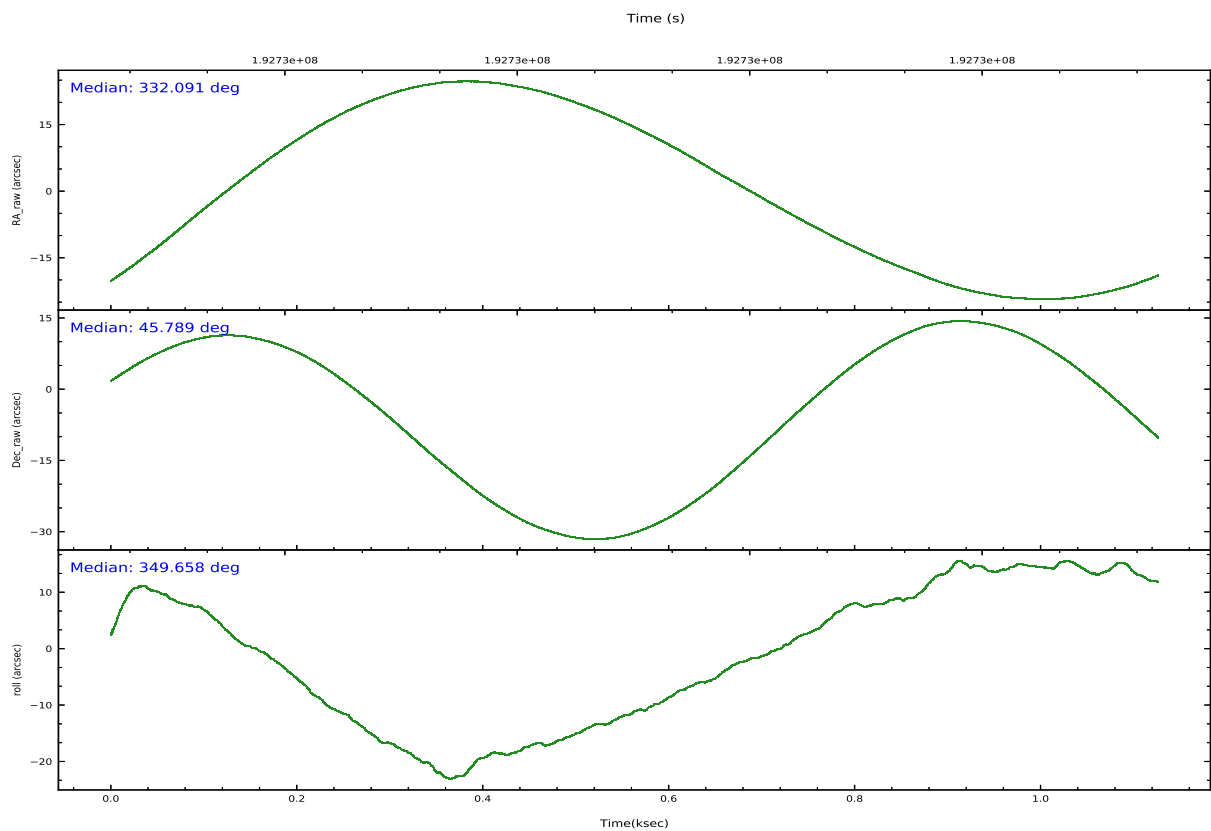
2.2 Compared Parameters

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	332.053353	332.08729676093
[deg] Pointing Dec	45.775243	45.784667746619
[deg] Pointing Roll	349.622317	349.65789055179
[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)	192732993.184000	192732616.64757
Observation start date	2004-02-09T16:55:29	2004-02-09T16:50:16
[s] Observation end time (MET)	192733939.184000	192734073.17264
Observation end date	2004-02-09T17:11:15	2004-02-09T17:14:33

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

2.3 Aspect



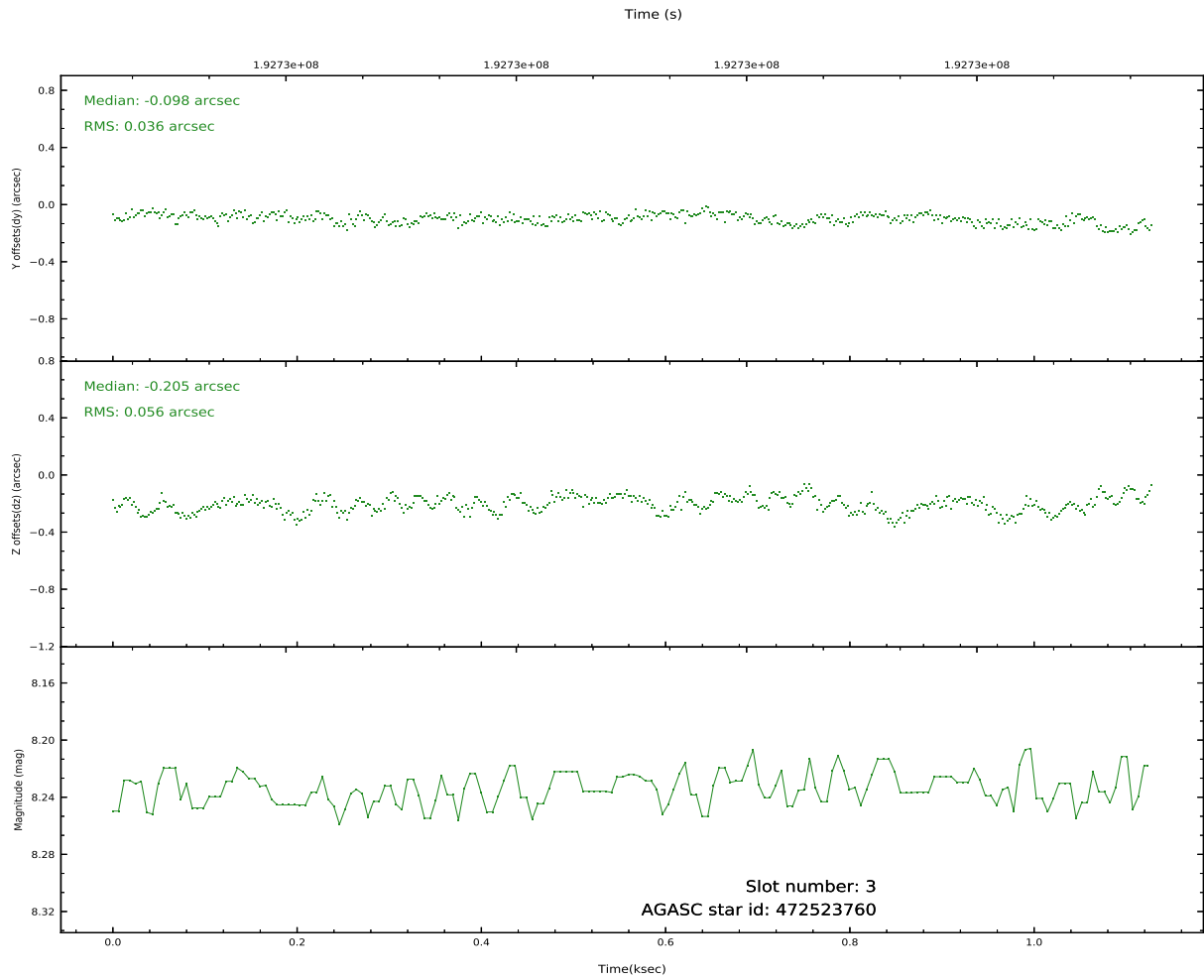
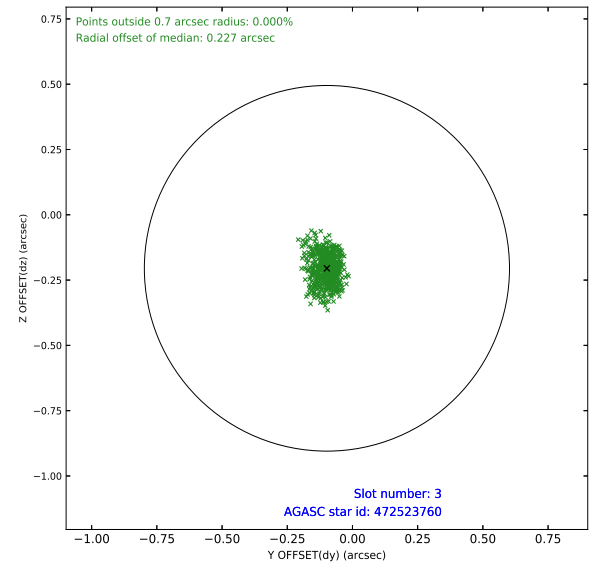
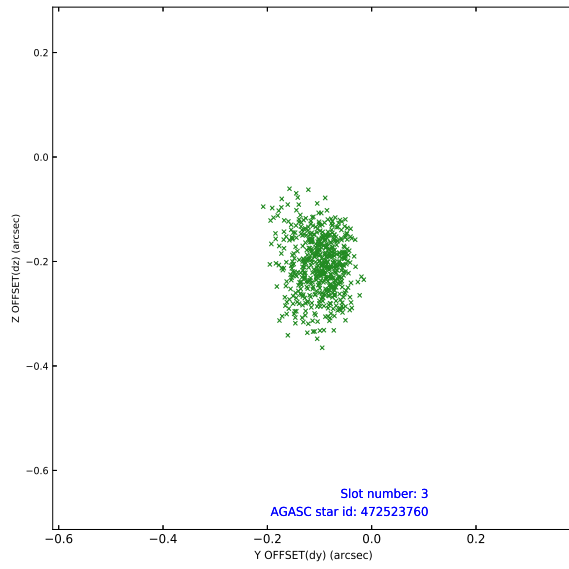


Slot Statistics

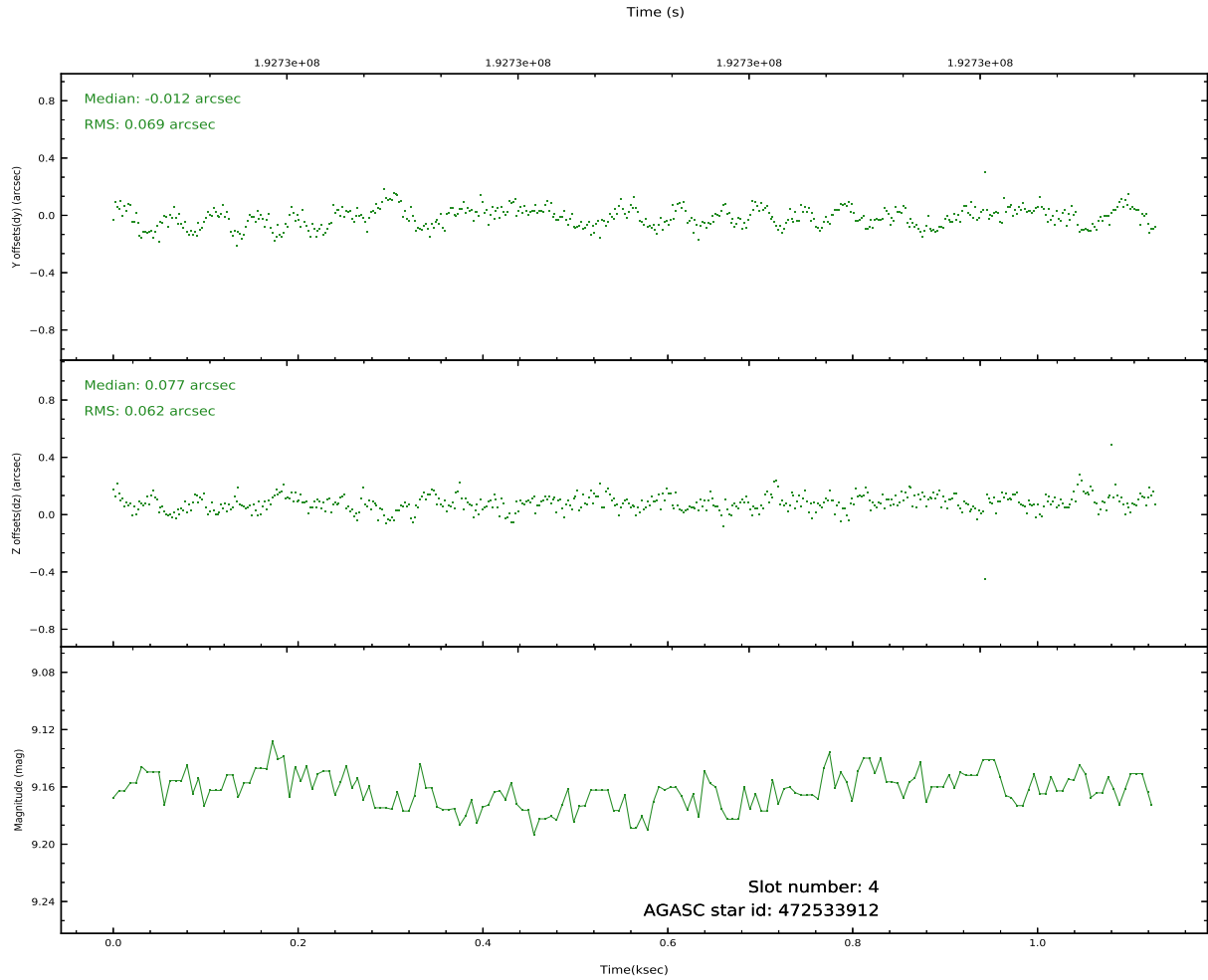
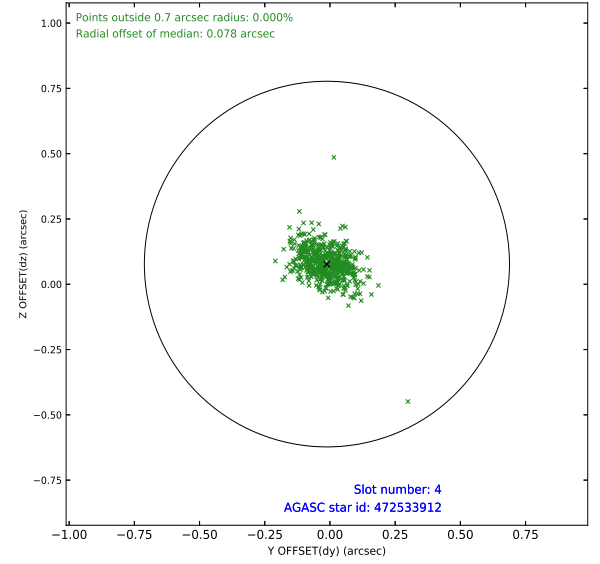
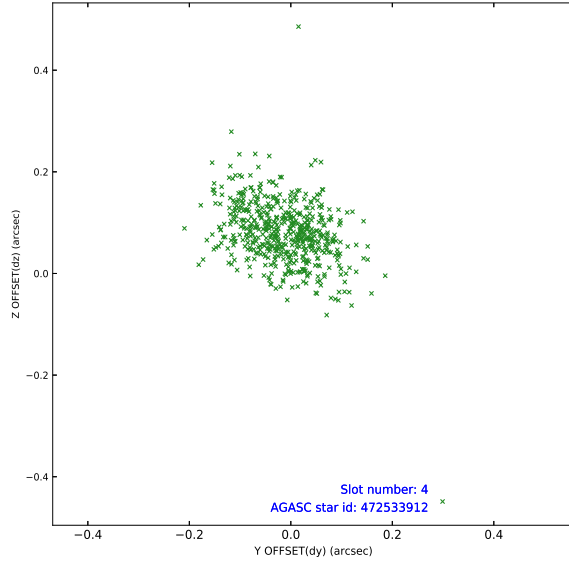
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.03	276	1.000	0.065	-0.144	0.004	0.009	0.000000	0.000000	-1162.18	-459
1	FID		HRC-S-2	7.02	275	1.000	0.106	-0.153	0.009	0.016	0.000000	0.000000	1233.32	-453
2	FID		HRC-S-4	7.00	275	1.000	0.233	-0.007	0.008	0.014	0.000000	0.000000	1240.70	570
3	GUIDE	used	472523760	8.23	551	1.000	-0.098	-0.205	0.072	0.118	331.645363	45.403260	-772.64	-1504
4	GUIDE	used	472533912	9.16	551	1.000	-0.012	0.077	0.093	0.159	331.791136	46.368695	-1026.69	1978
5	GUIDE	used	472659832	9.46	551	1.000	0.016	0.119	0.090	0.142	332.780399	46.098139	1573.18	1478
6	GUIDE	used	472654568	9.43	551	1.000	-0.032	0.001	0.113	0.184	332.194449	45.063576	818.54	-2456
7	GUIDE	used	472655152	9.42	549	1.000	0.127	0.009	0.096	0.169	332.504239	45.862991	1056.78	509

2.4 Star Slots

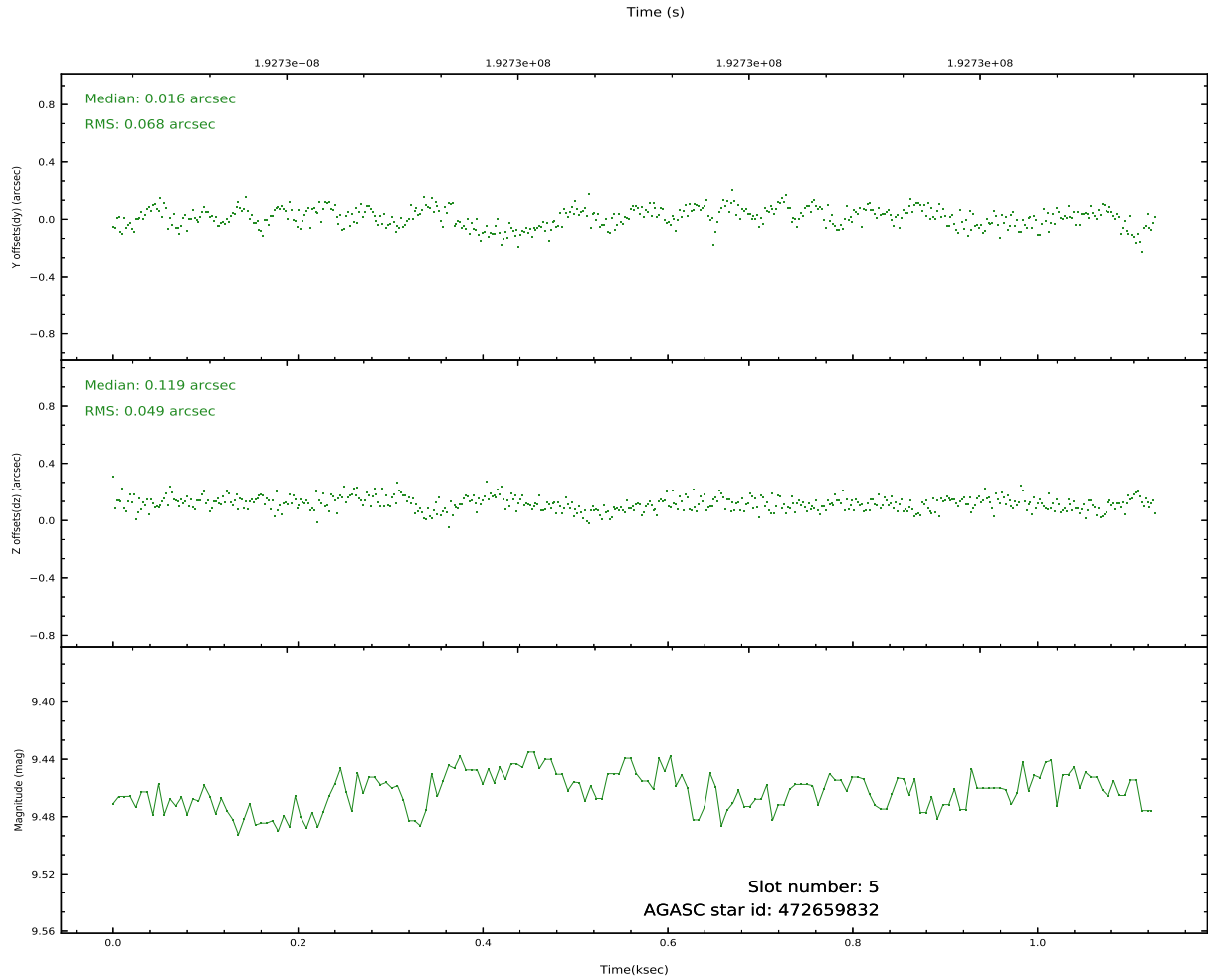
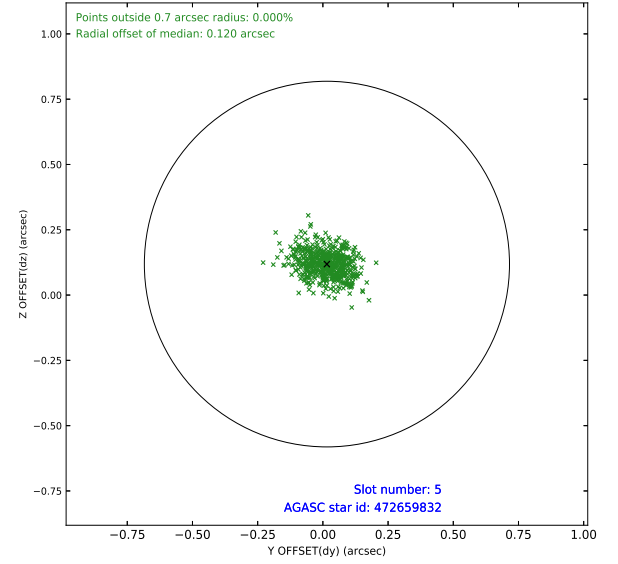
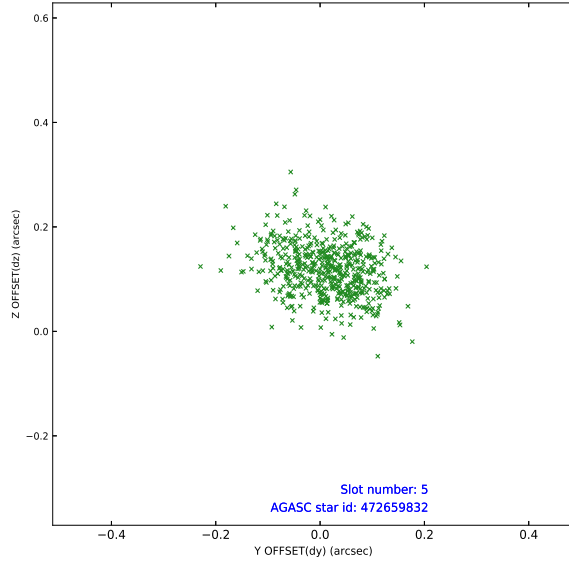
2.4.1 Slot 3



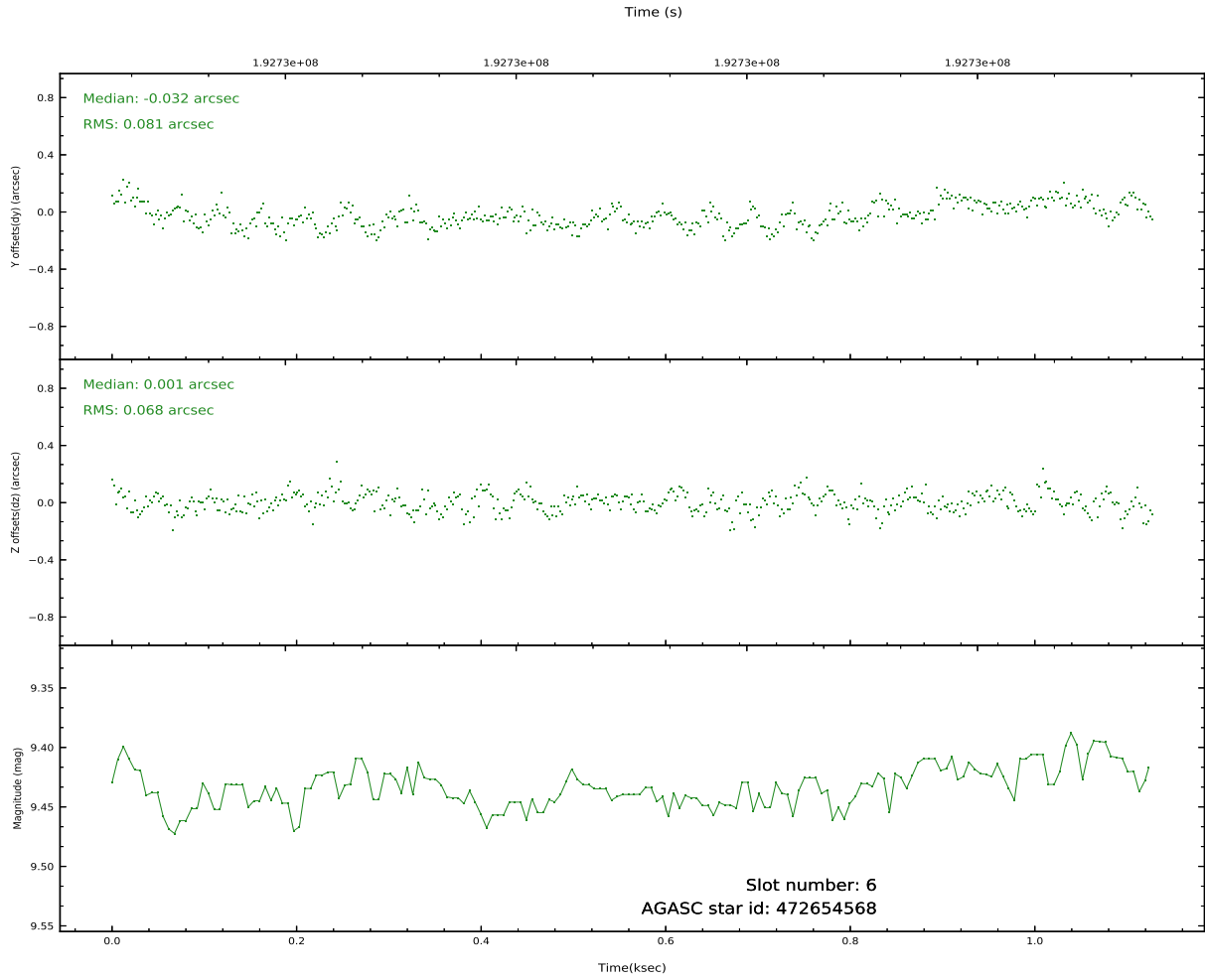
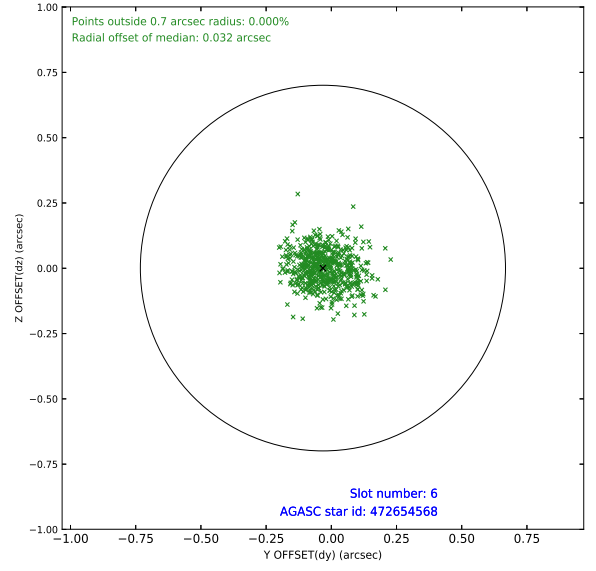
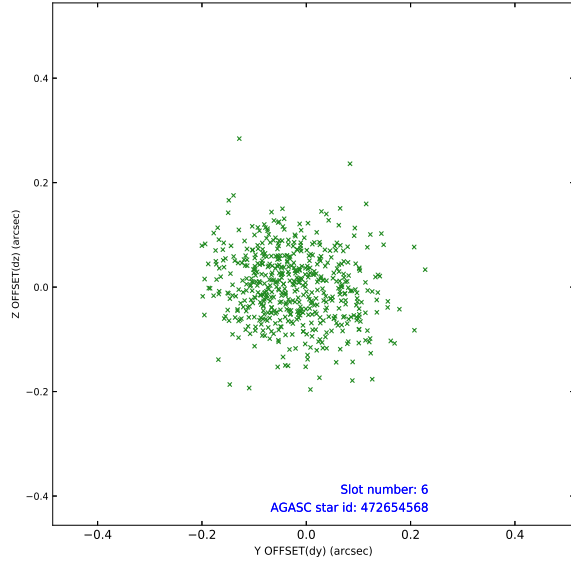
2.4.2 Slot 4



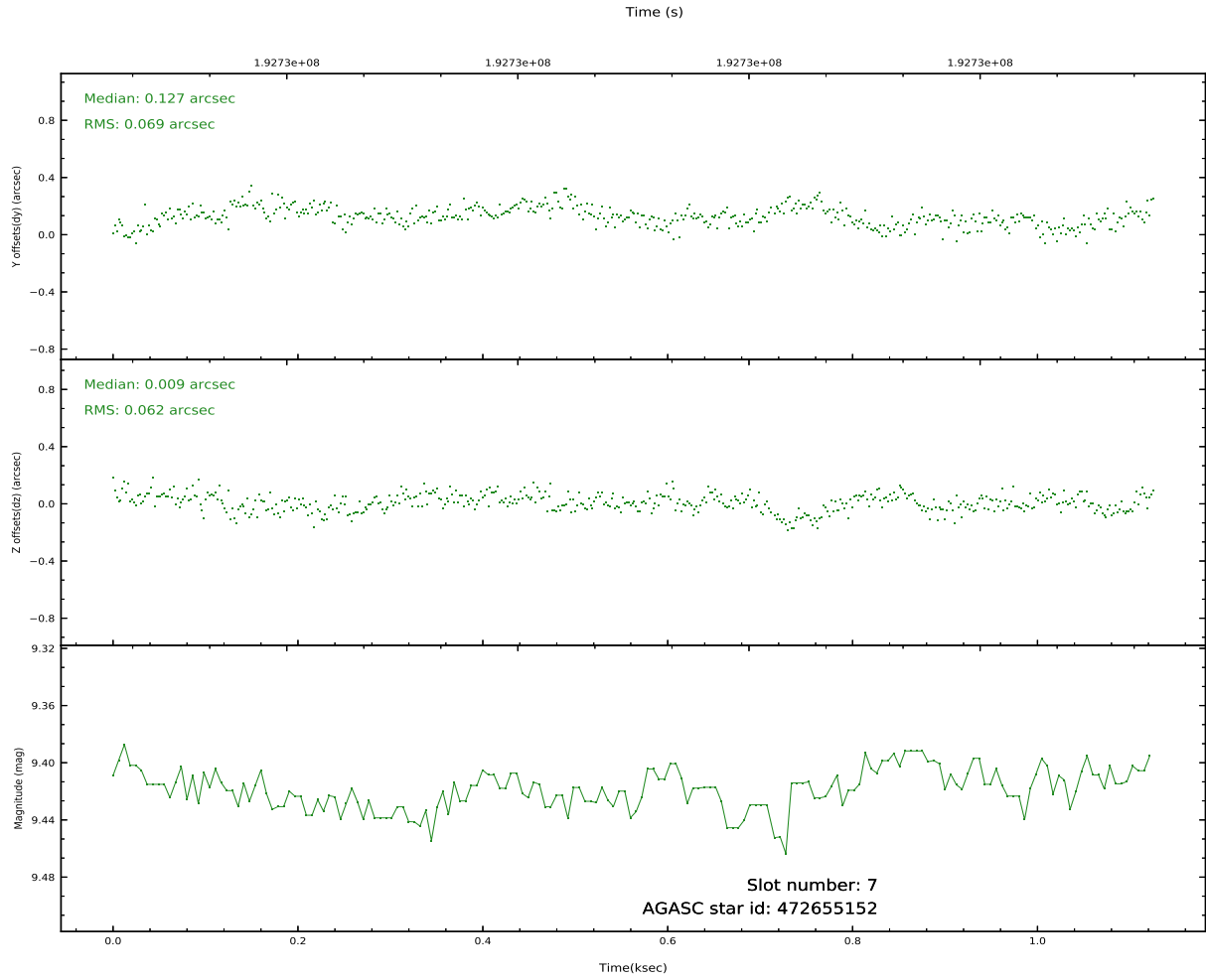
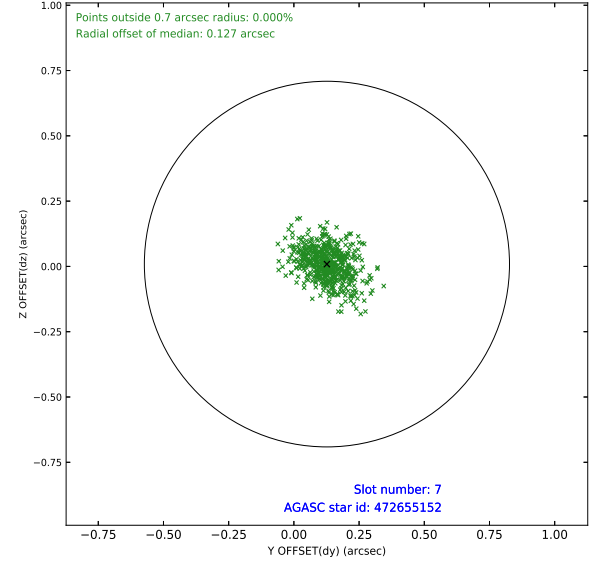
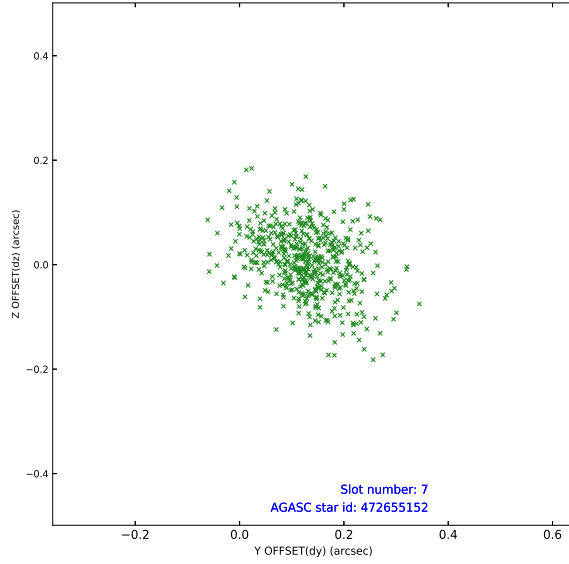
2.4.3 Slot 5



2.4.4 Slot 6

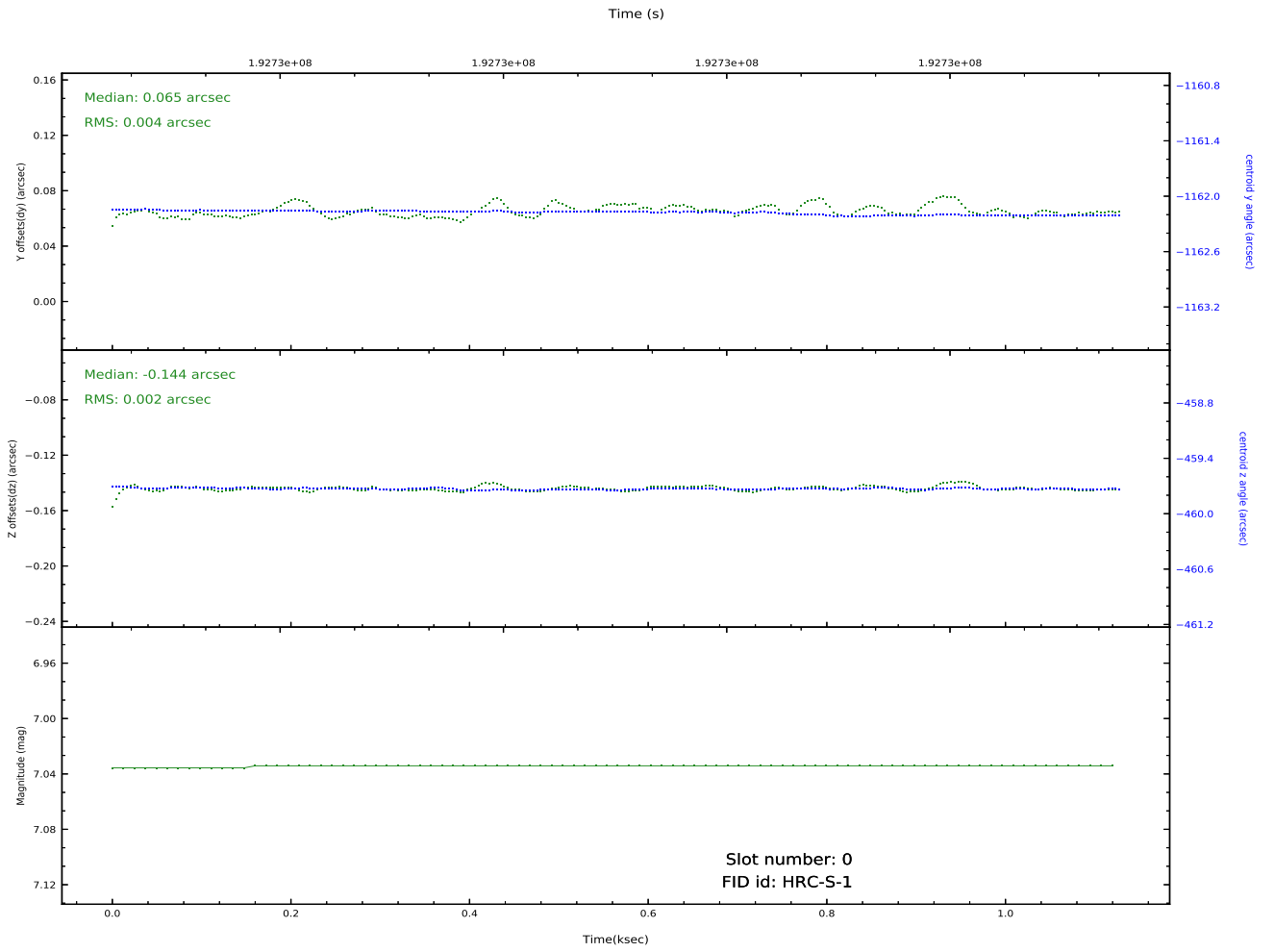
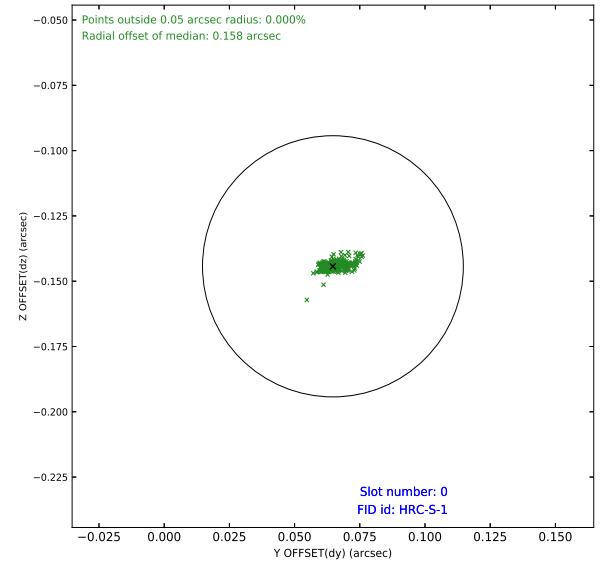
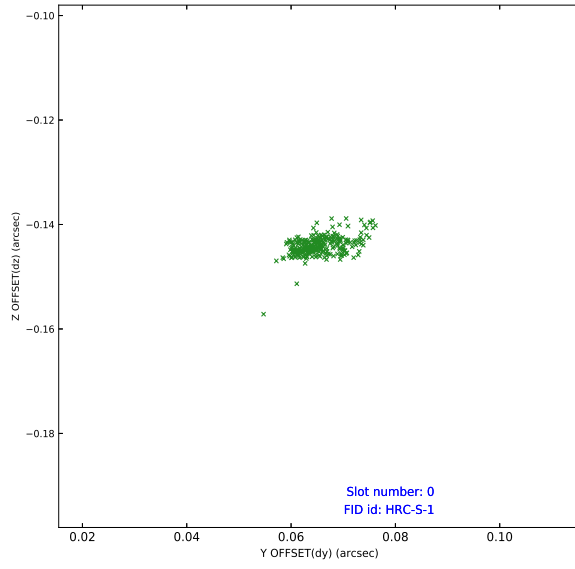


2.4.5 Slot 7

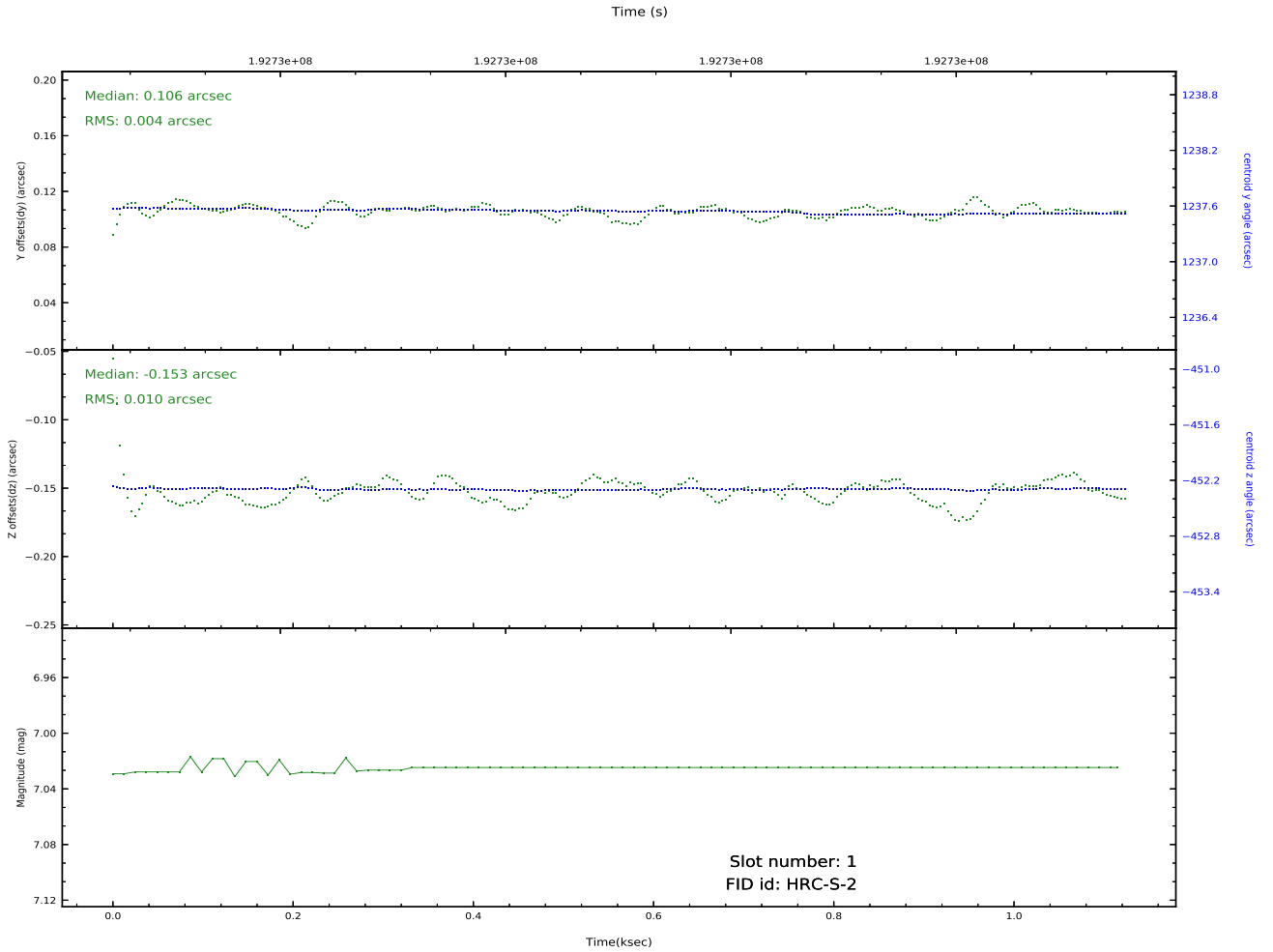
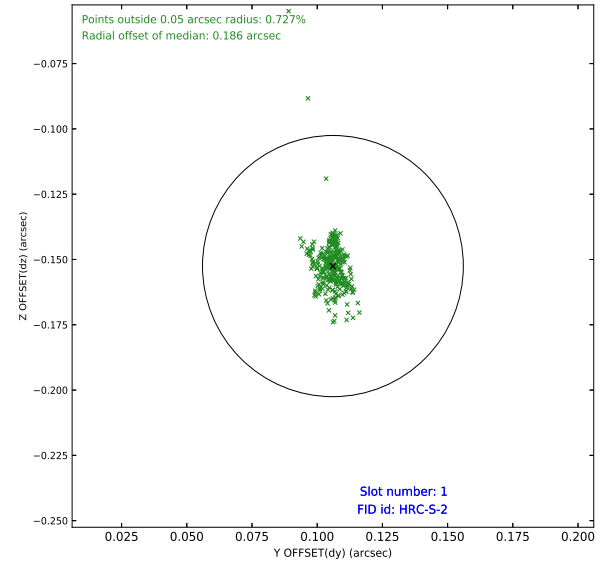
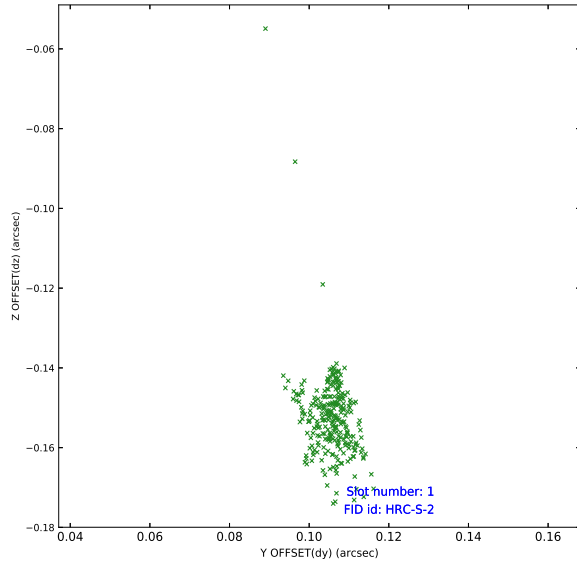


2.5 FID Slots

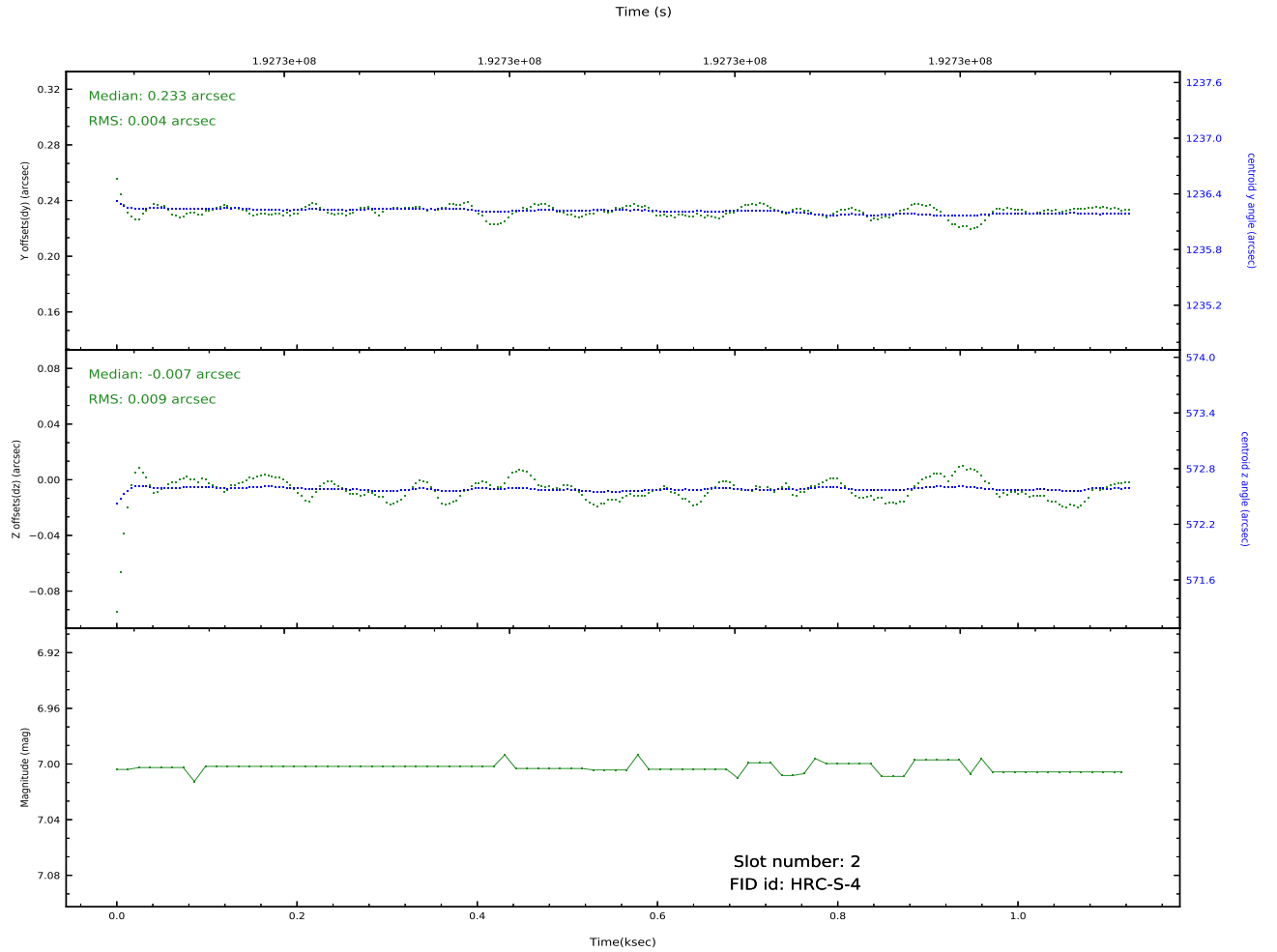
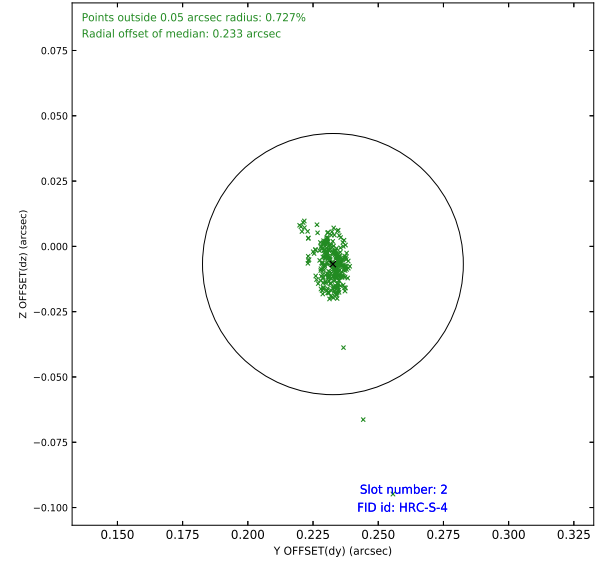
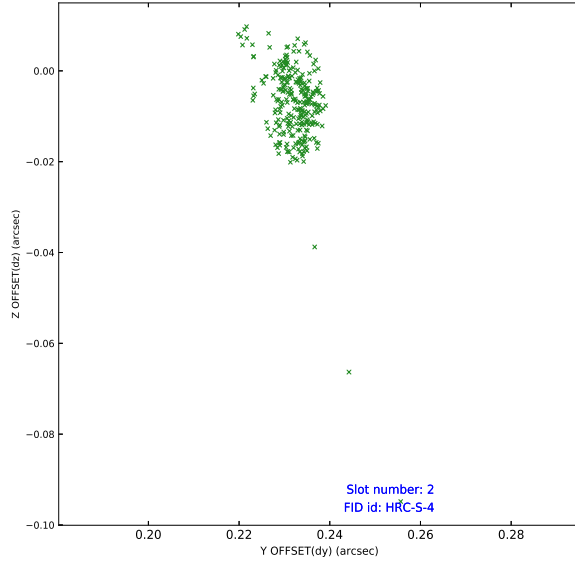
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.088

A.2 Comments