

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6135 - L2 Version 5
Chandra X-Ray Center

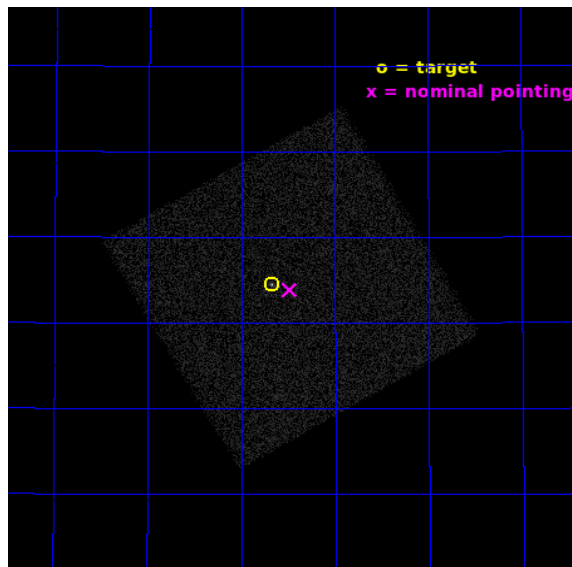
L2 Processing Date : Oct 5 2020

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

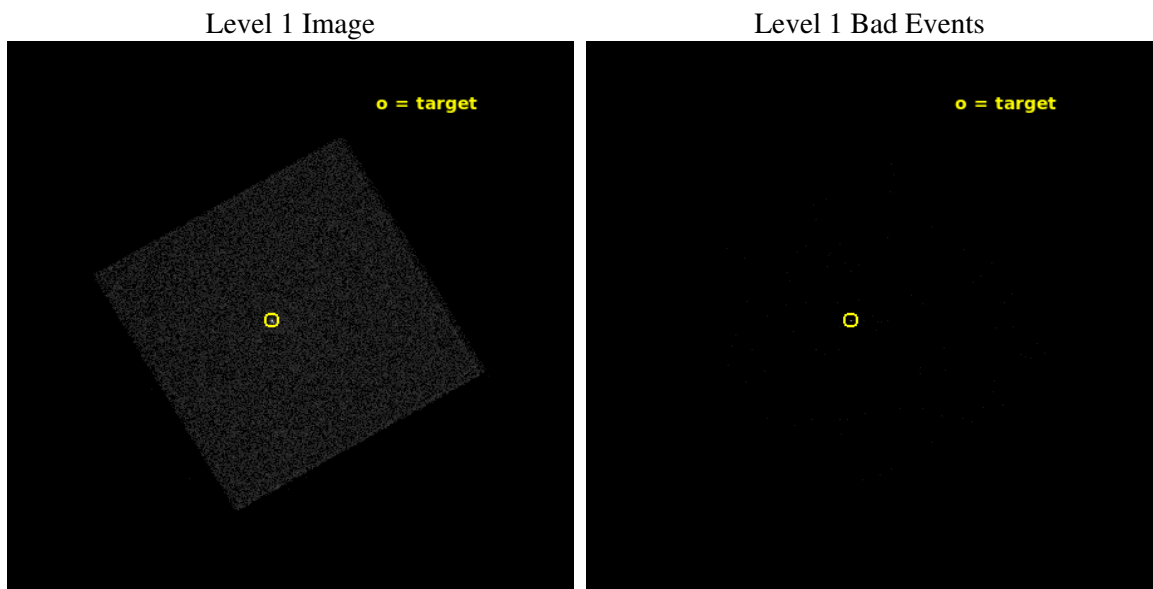
seq_num	290536	Sequence number
obs_id	6135	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12073687022	Nominal RA [deg]
dec_nom	45.73164562476	Nominal Dec [deg]
roll_nom	284.7312253562	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1087.7812988758	[s]
livetime	1079.8522782606	Ontime multiplied by DTCOR
l2events	45276	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	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1087.7812988758	[s]
caldbver	4.9.2	 	l1events	79047	Number of level 1 events
date	2020-10-05T07:14:19	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

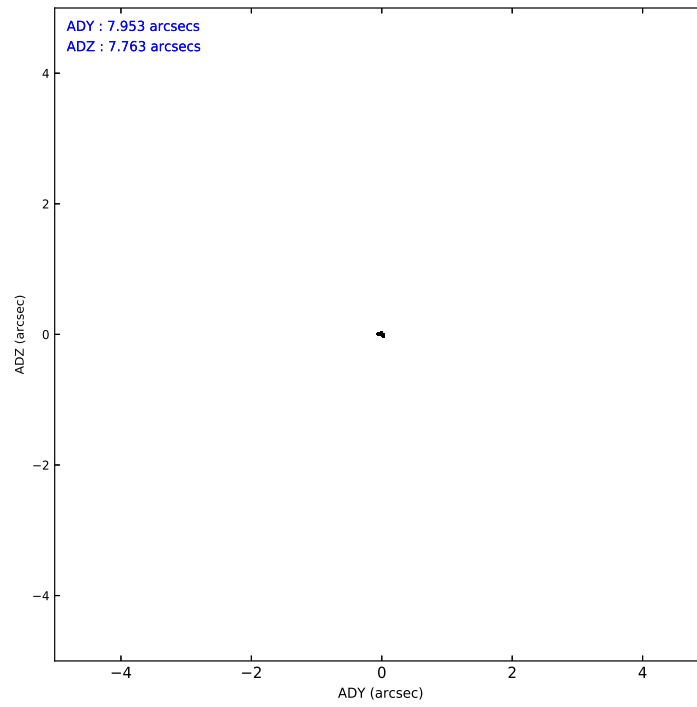
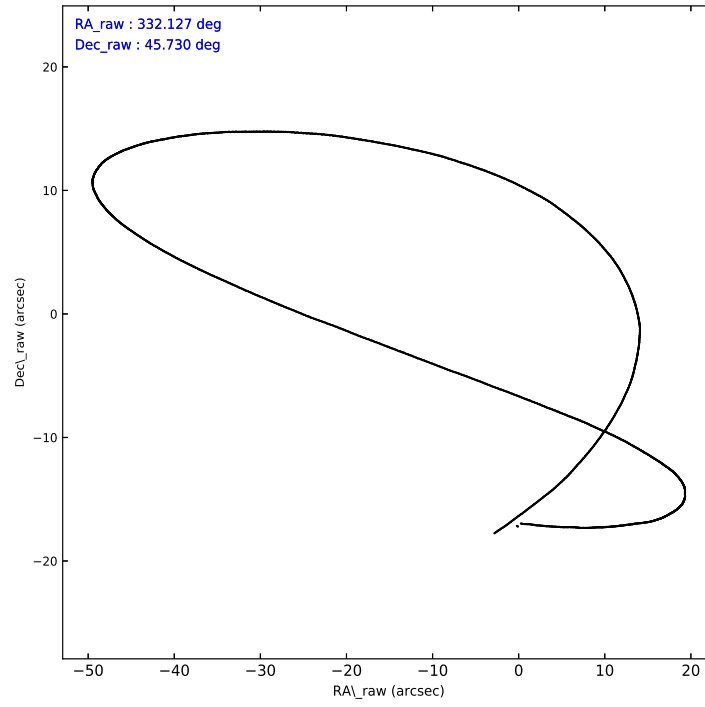
	segment 0
level 1 events	79047
rejected events	14022
rejected %	17%

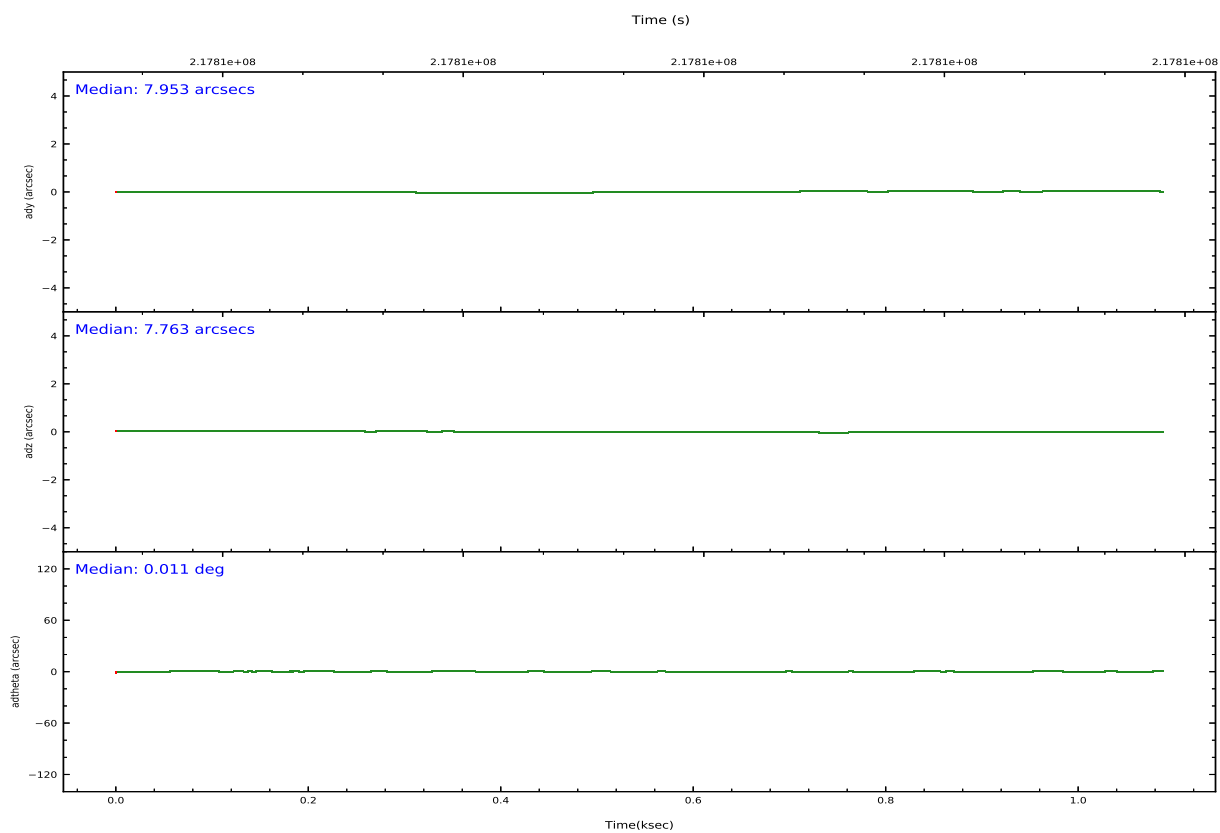
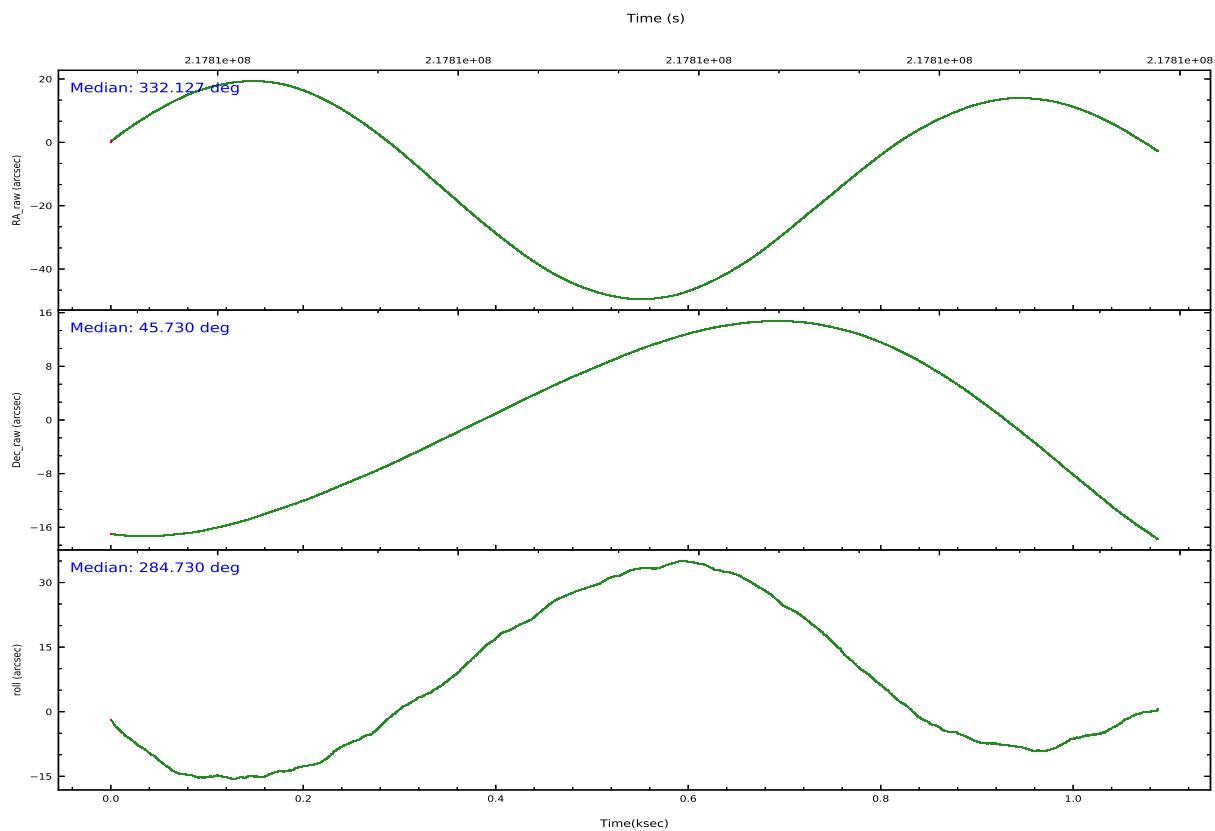
2.2 Compared Parameters

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	332.095030	332.12073687022
[deg] Pointing Dec	45.748438	45.73164562476
[deg] Pointing Roll	284.865252	284.7312253562
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	217807077.184000	217806700.75916
Observation start date	2004-11-25T21:56:53	2004-11-25T21:51:40
[s] Observation end time (MET)	217807977.184000	217808500.65925
Observation end date	2004-11-25T22:11:53	2004-11-25T22:21:40

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

2.3 Aspect



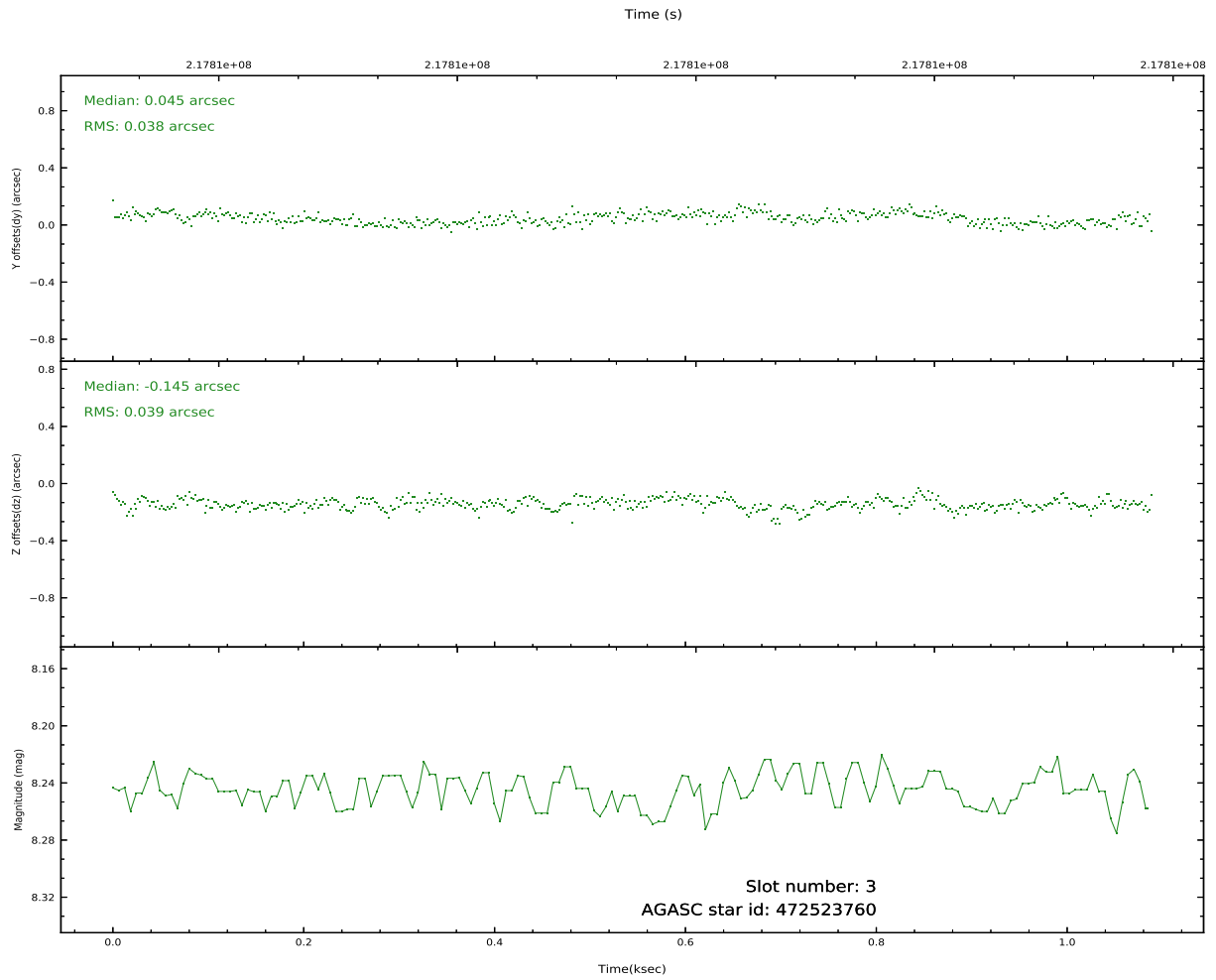
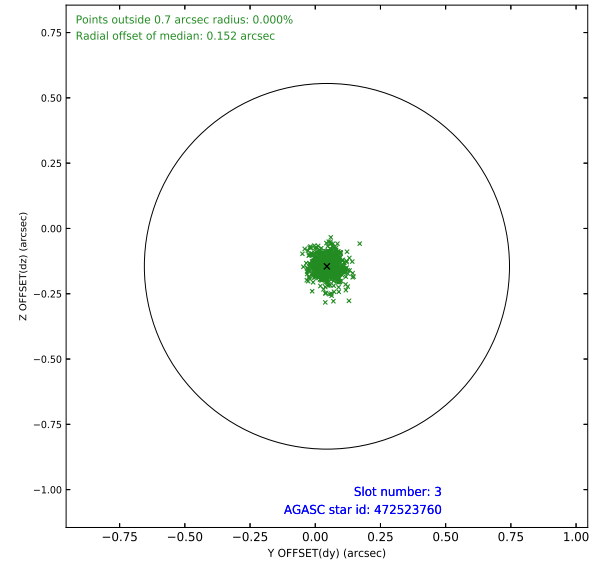
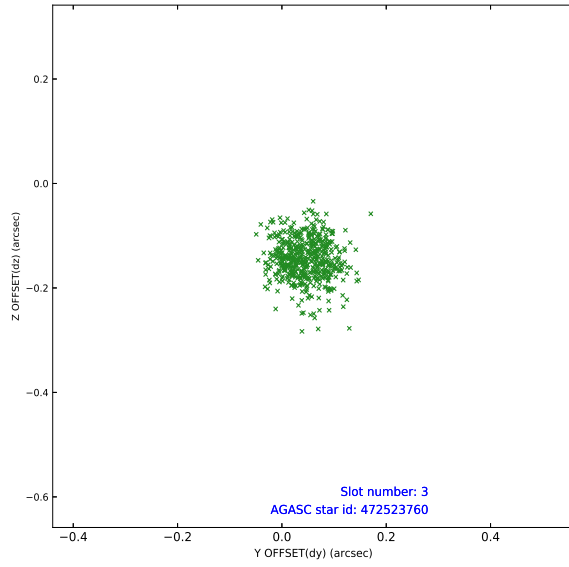


Slot Statistics

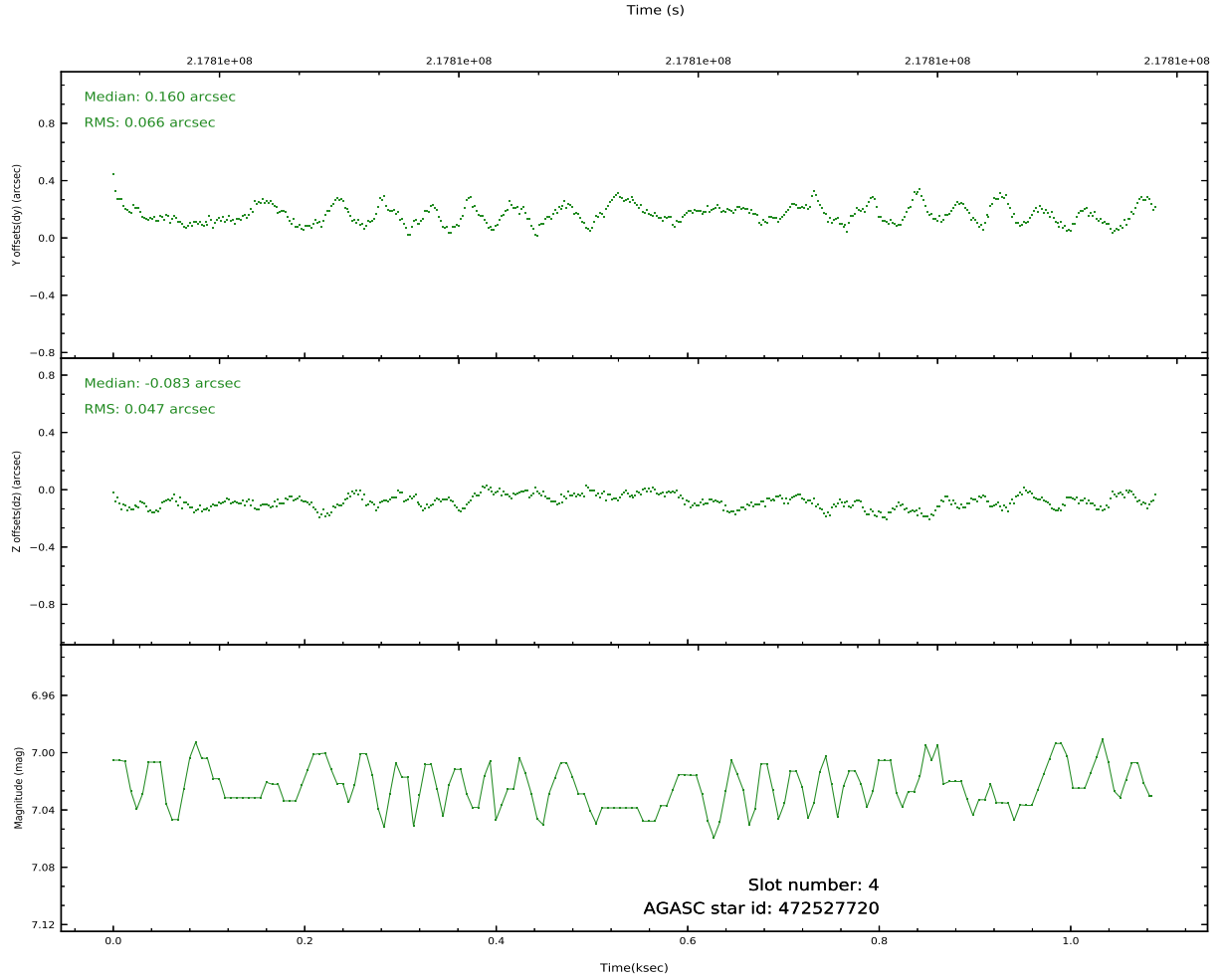
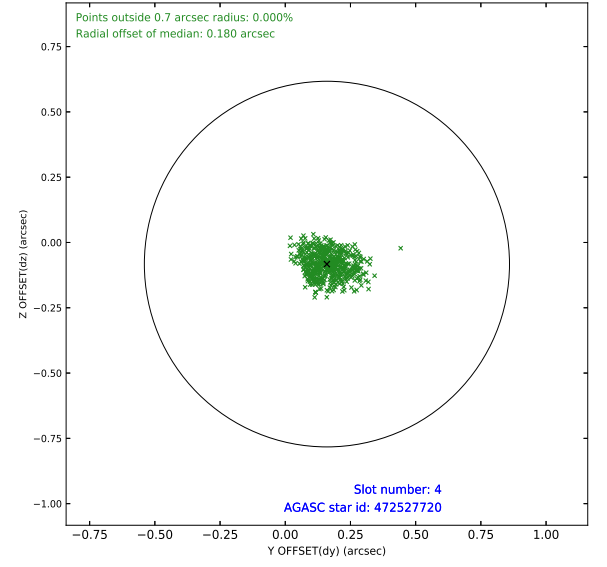
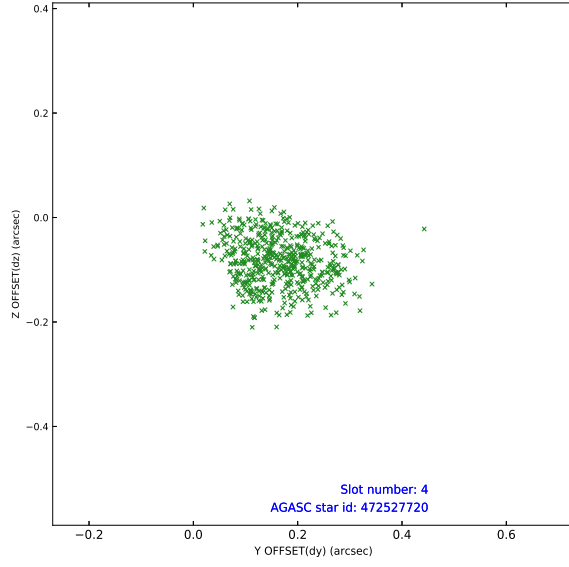
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	266	1.000	0.016	-0.033	0.007	0.011	0.000000	0.000000	-763.60	-1295
1	FID		HRC-I-3	7.09	266	1.000	-0.078	-0.046	0.008	0.012	0.000000	0.000000	-1194.96	1004
2	FID		HRC-I-4	7.03	266	1.000	0.176	-0.010	0.006	0.011	0.000000	0.000000	1274.95	1010
3	GUIDE	used	472523760	8.24	532	1.000	0.045	-0.145	0.057	0.094	331.645363	45.403260	906.93	-1420
4	GUIDE	used	472527720	7.02	532	1.000	0.160	-0.083	0.087	0.133	331.460205	45.112509	1795.30	-2151
5	GUIDE	used	472655152	9.43	532	1.000	0.014	0.111	0.113	0.189	332.504239	45.862991	-134.32	1089
6	GUIDE	used	472659832	9.47	532	1.000	-0.083	0.017	0.100	0.176	332.780399	46.098139	-785.24	1976
7	GUIDE	used	472533912	9.16	531	1.000	-0.138	0.100	0.078	0.126	331.791136	46.368695	-2354.51	-157

2.4 Star Slots

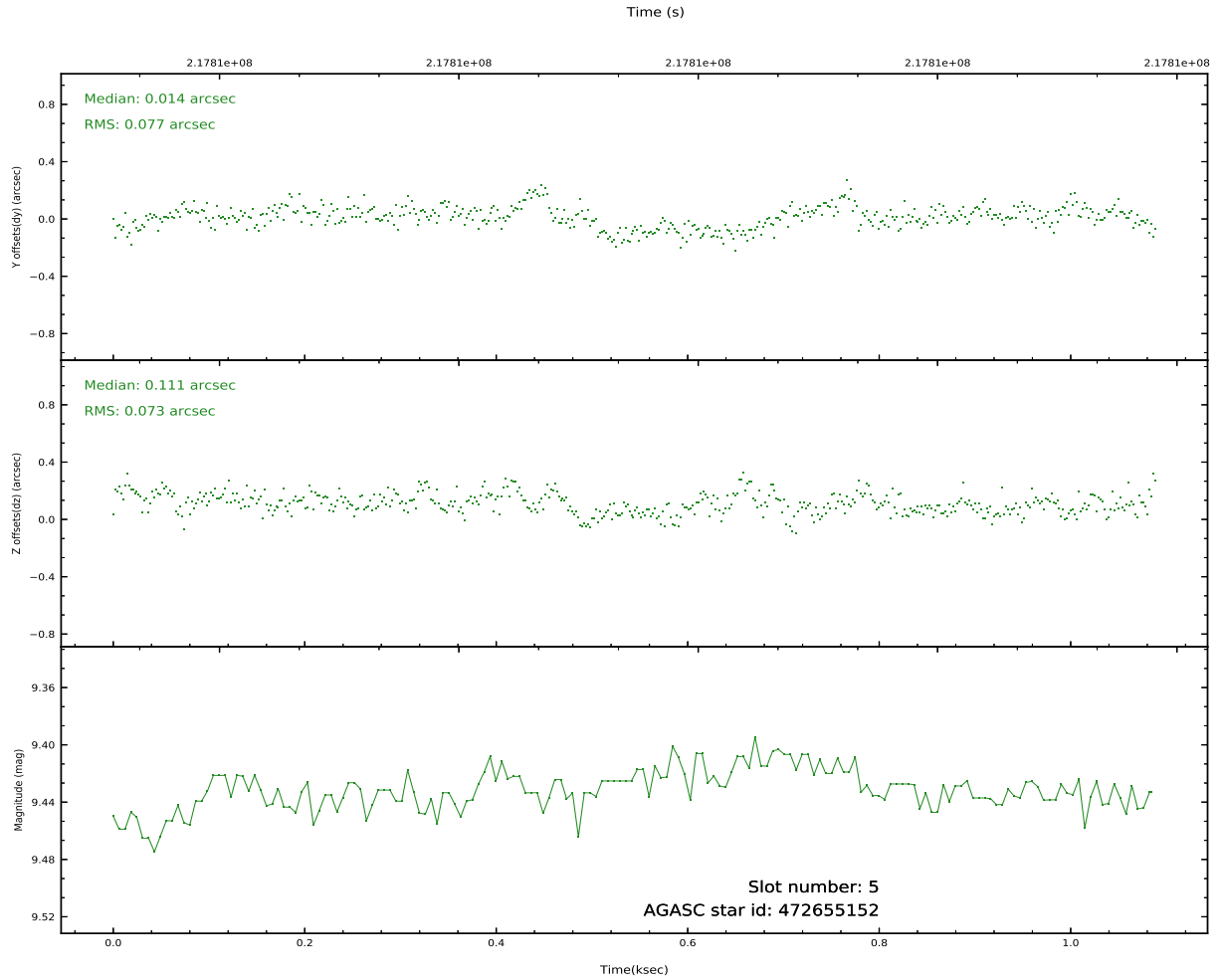
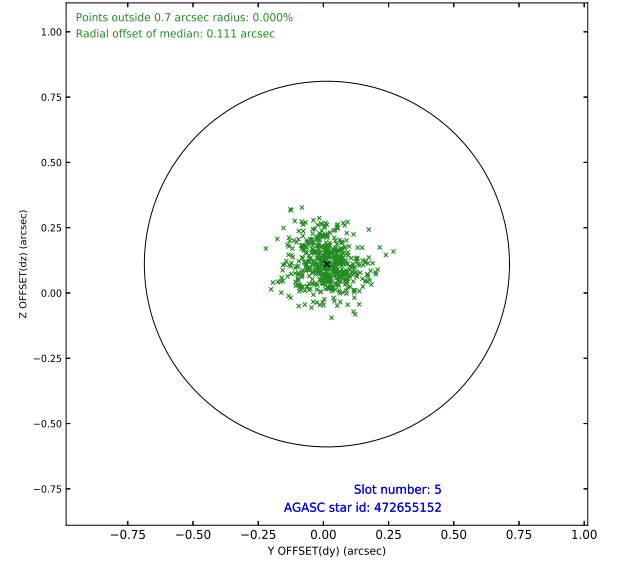
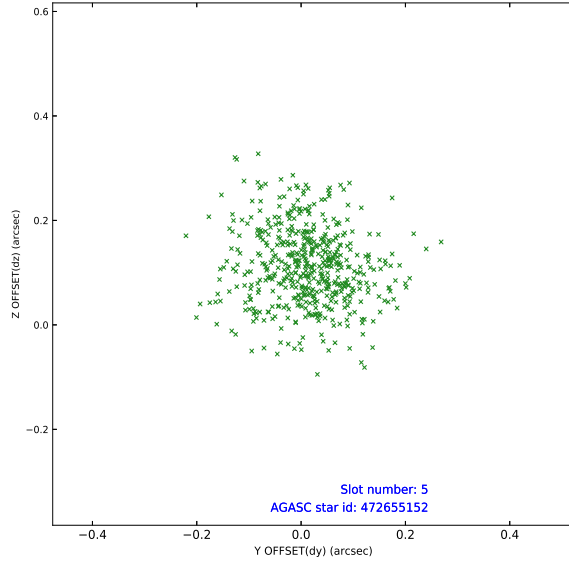
2.4.1 Slot 3



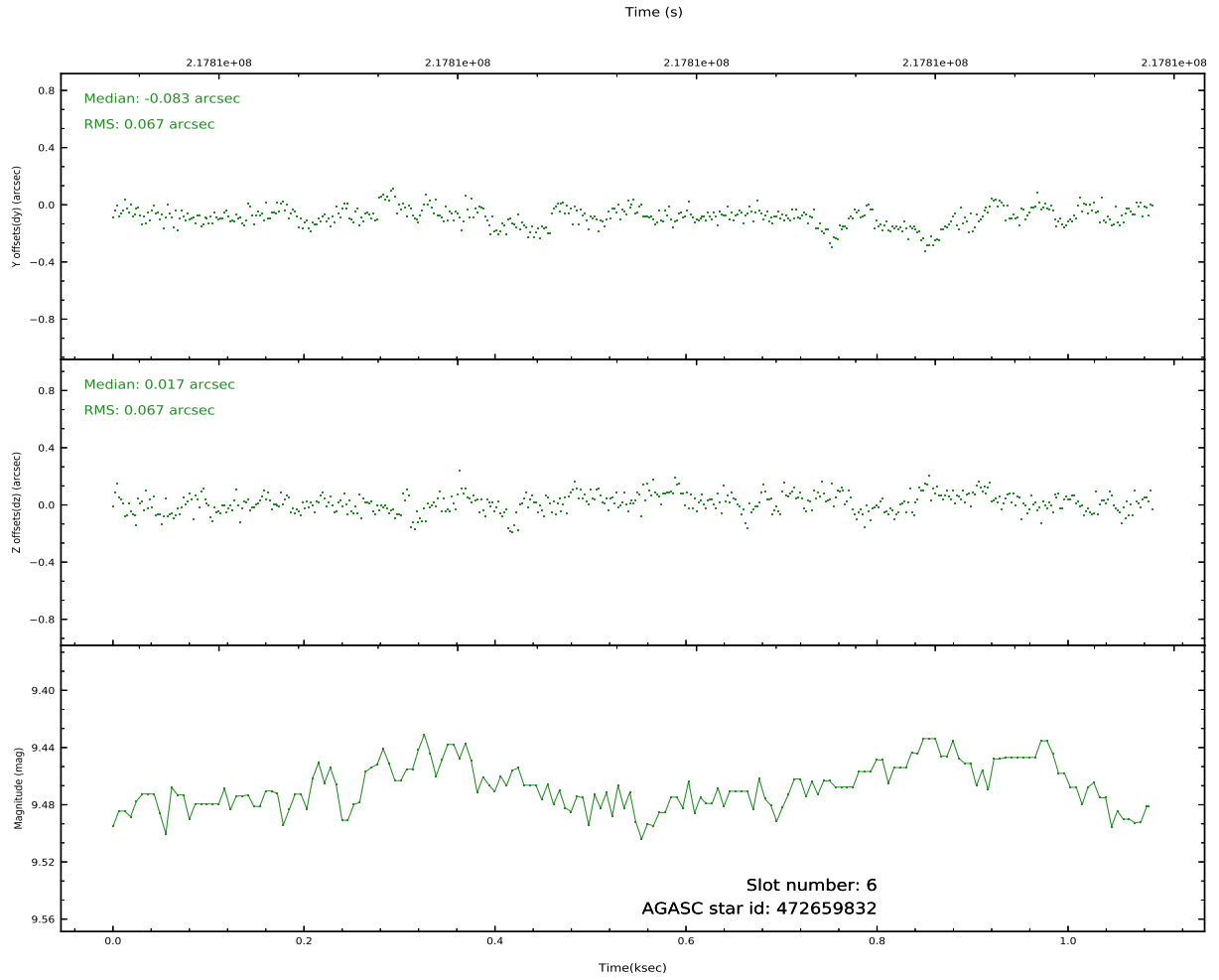
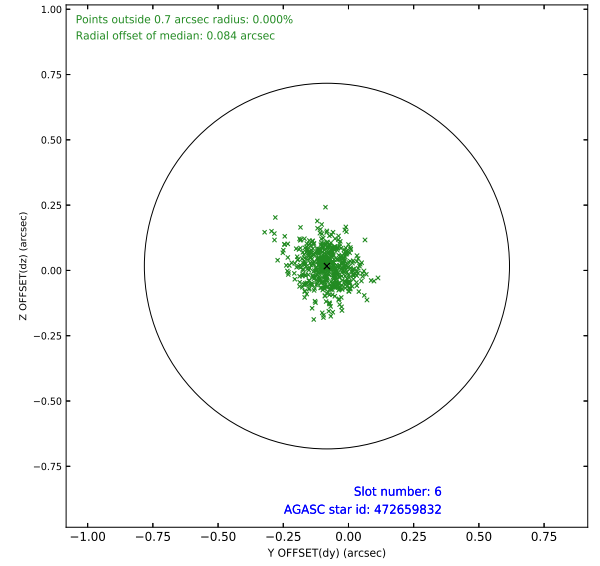
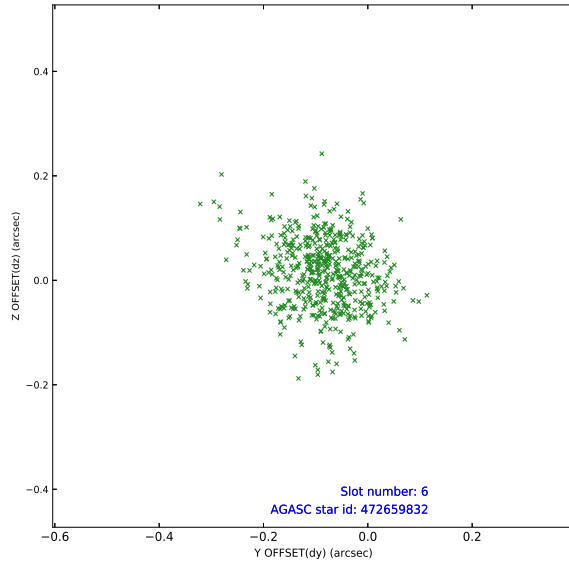
2.4.2 Slot 4



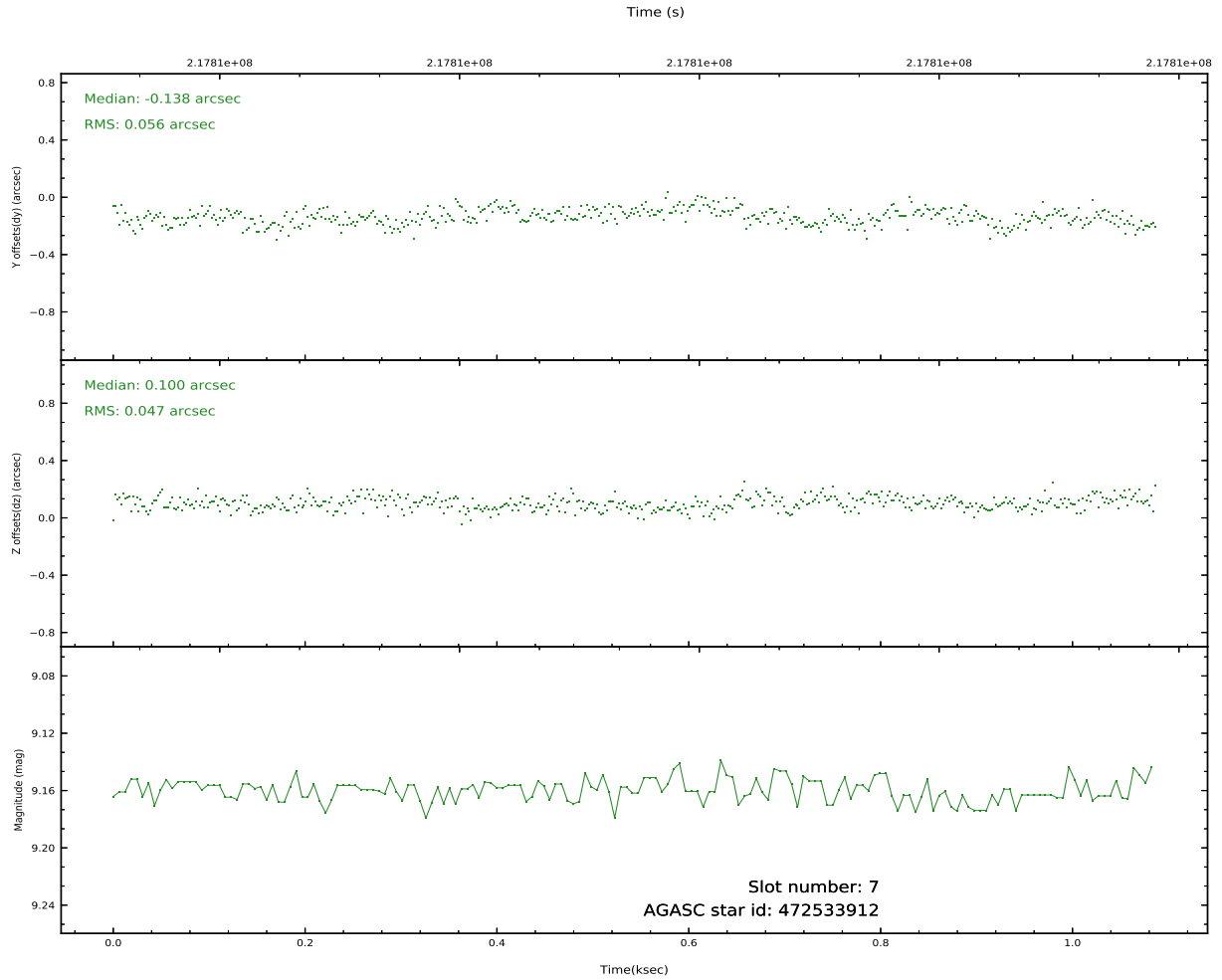
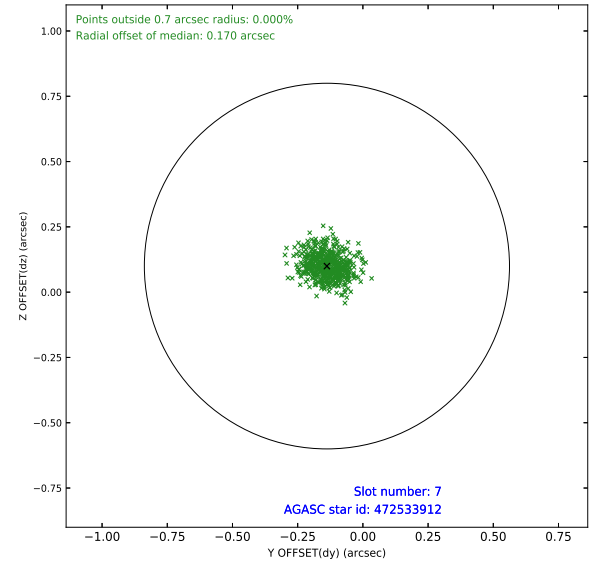
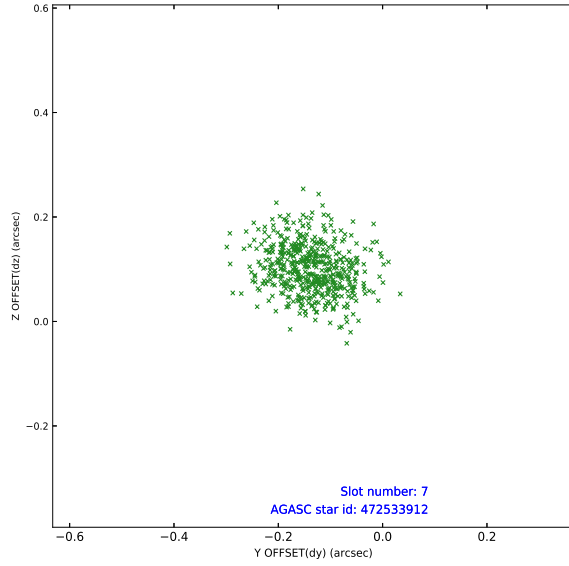
2.4.3 Slot 5



2.4.4 Slot 6

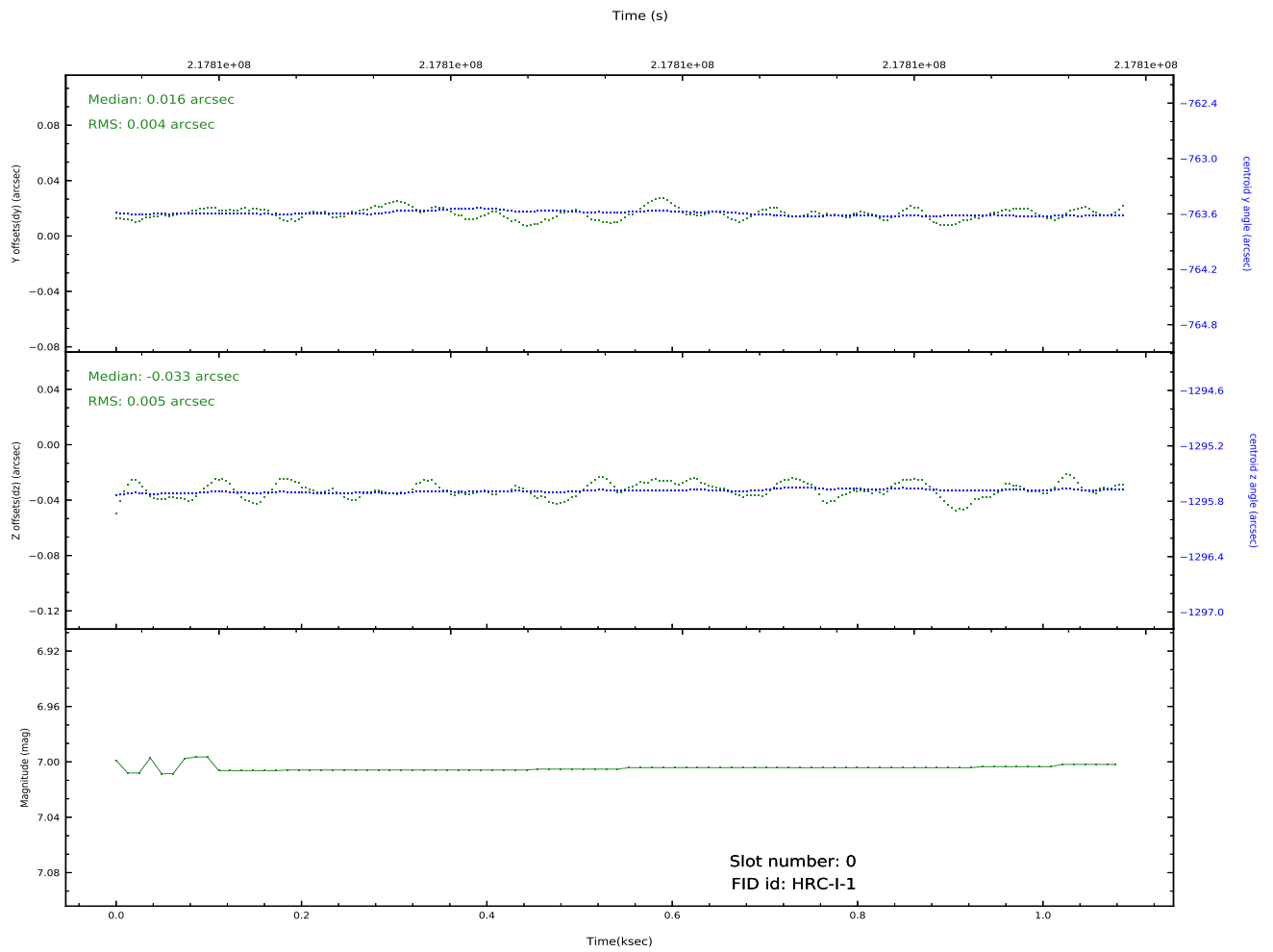
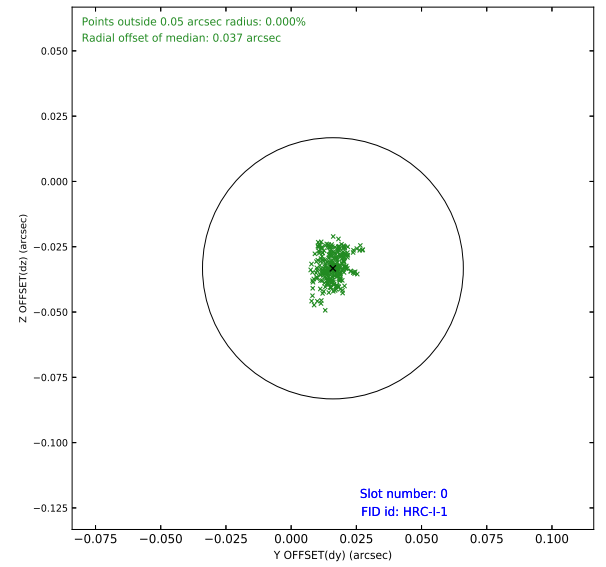
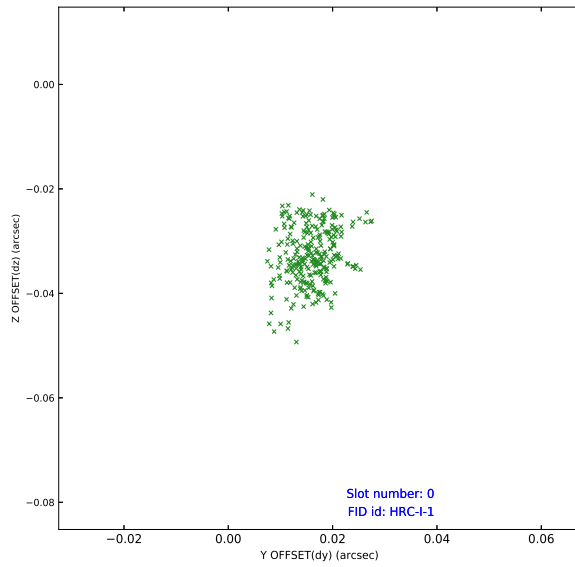


2.4.5 Slot 7

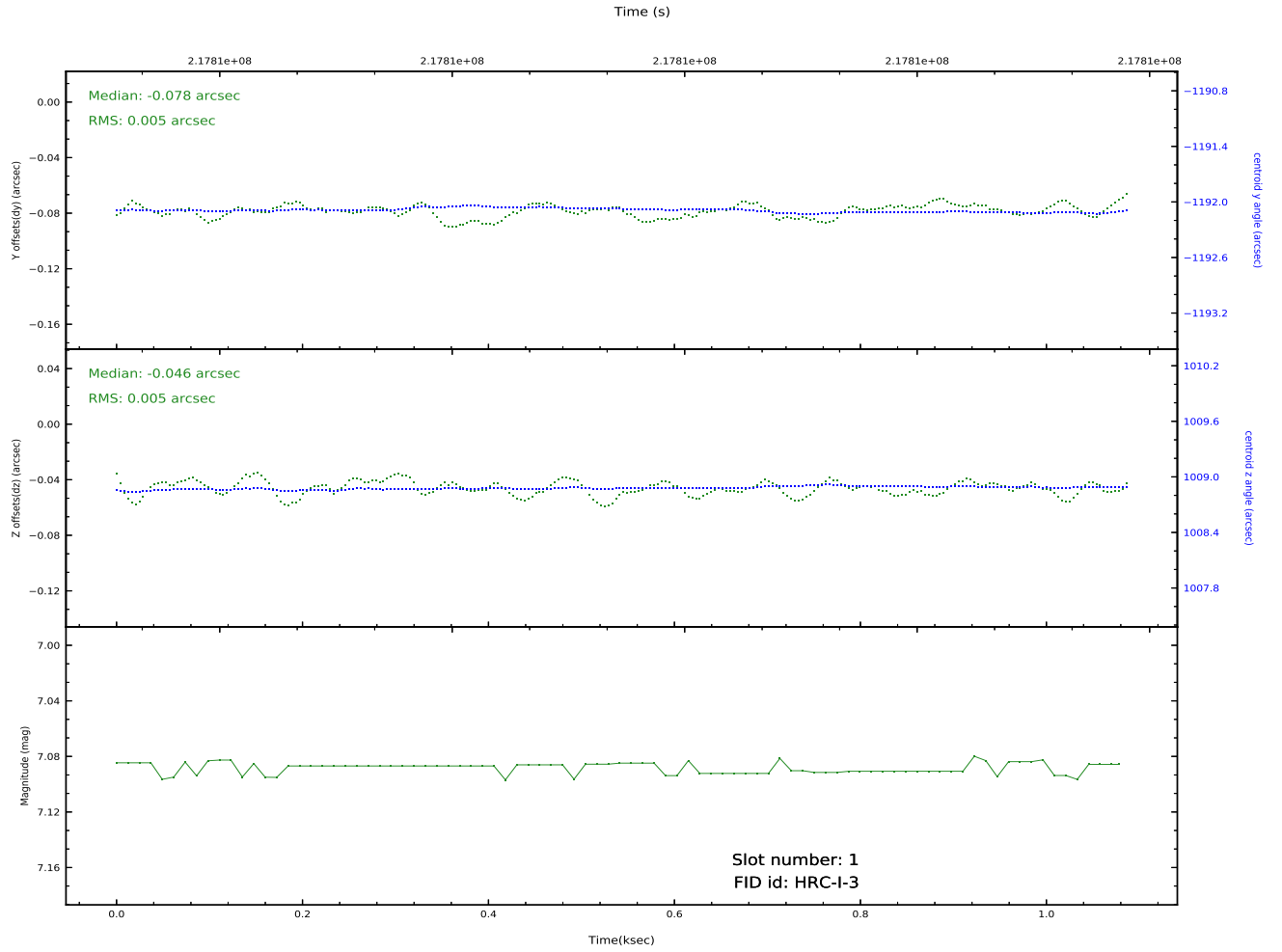
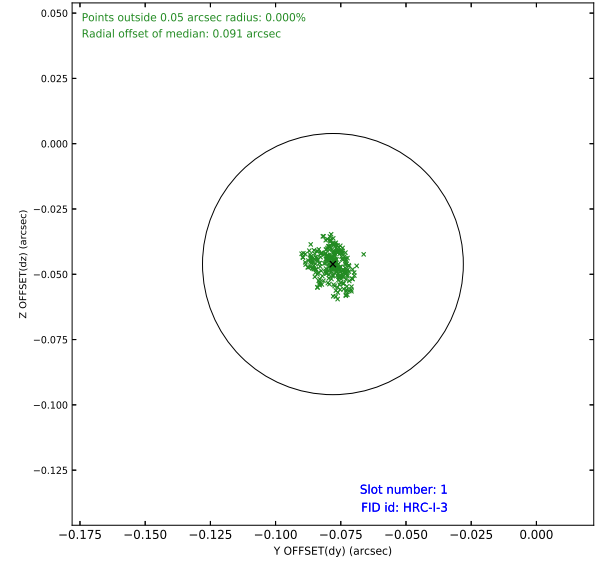
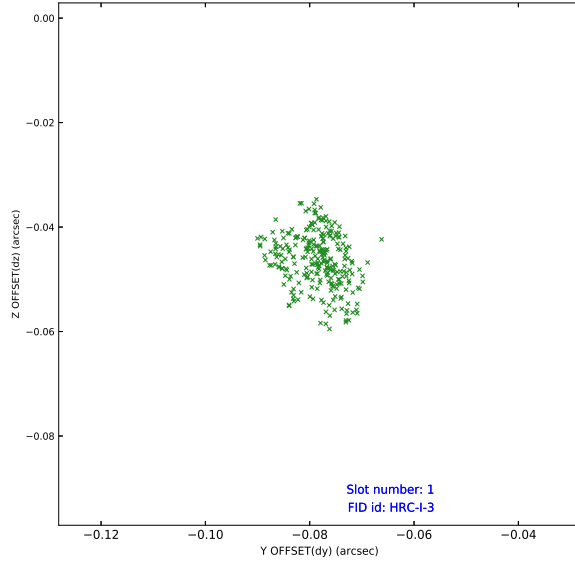


2.5 FID Slots

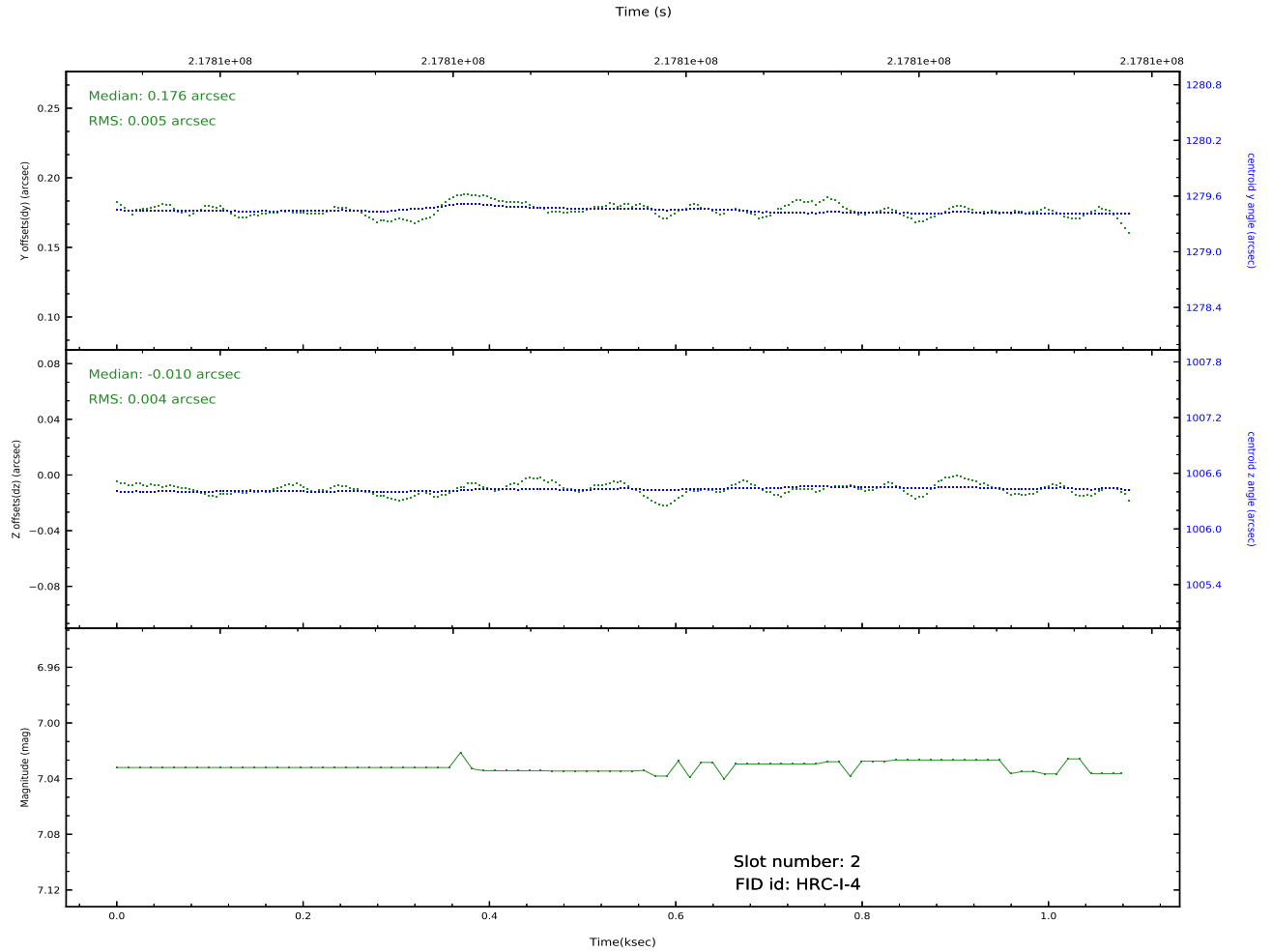
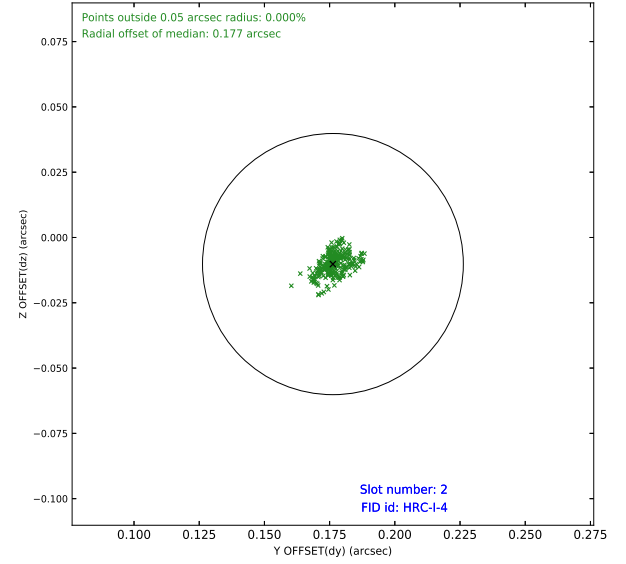
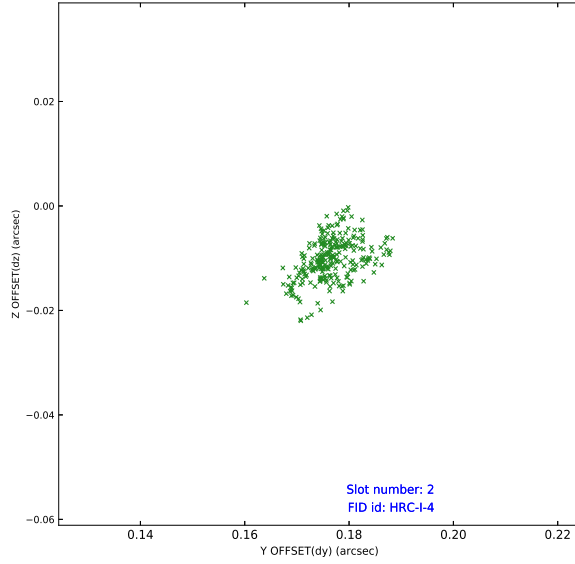
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087781

A.2 Comments