

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5989 - L2 Version 5
Chandra X-Ray Center

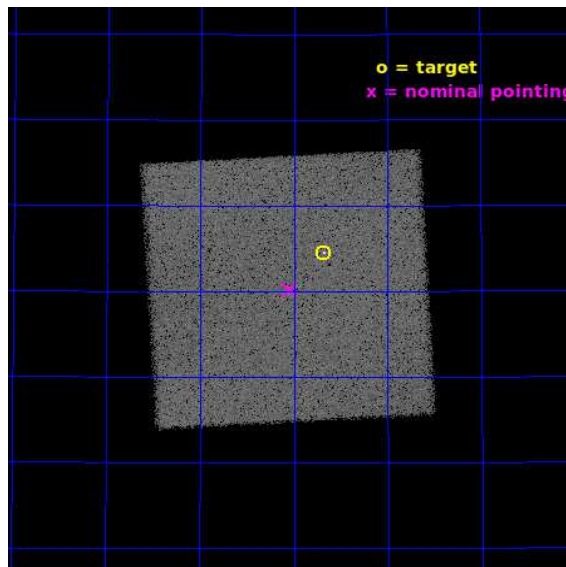
L2 Processing Date : Oct 10 2020

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1 Front

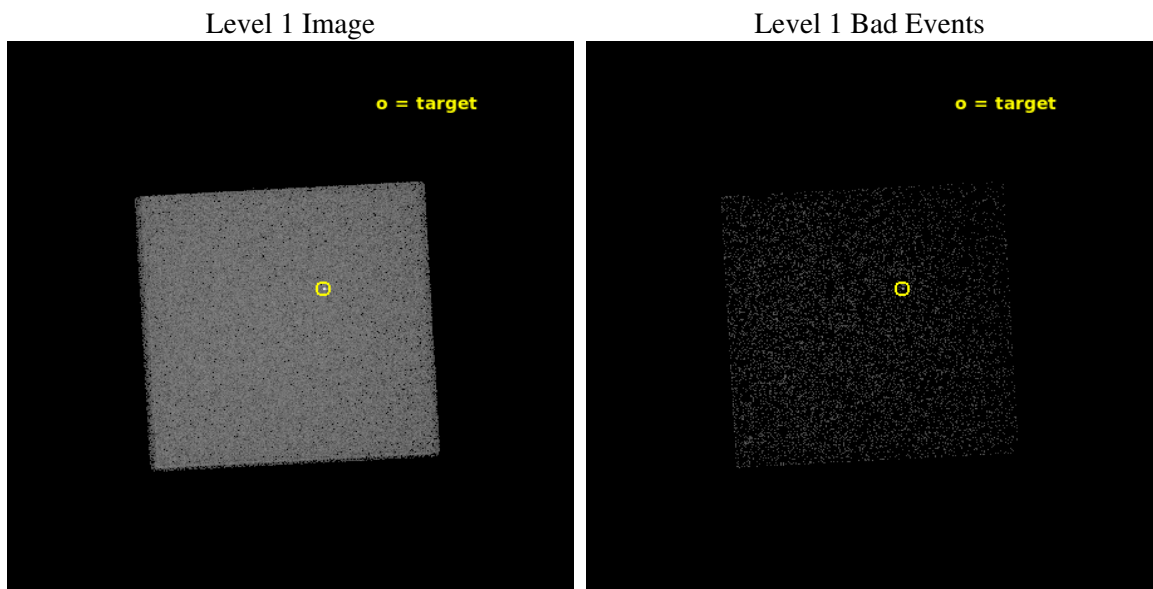
seq_num	290481	Sequence number
obs_id	5989	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.26040010222	Nominal RA [deg]
dec_nom	45.670066216858	Nominal Dec [deg]
roll_nom	221.81816674244	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1165.6813036203	[s]
livetime	384.57221217116	Ontime multiplied by DTCOR
l2events	170225	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	990.159000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1165.6813036203	[s]
caldbver	4.9.2	 	l1events	287658	Number of level 1 events
date	2020-10-10T14:04:19	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

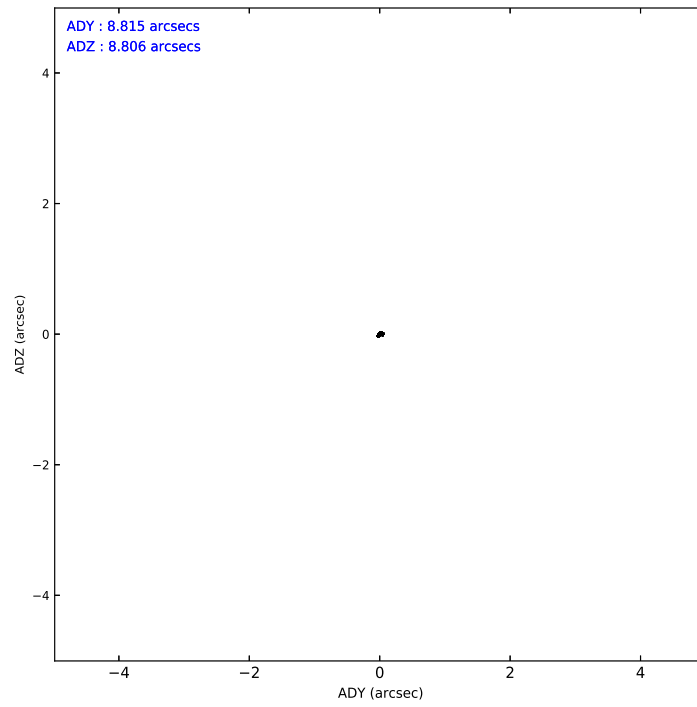
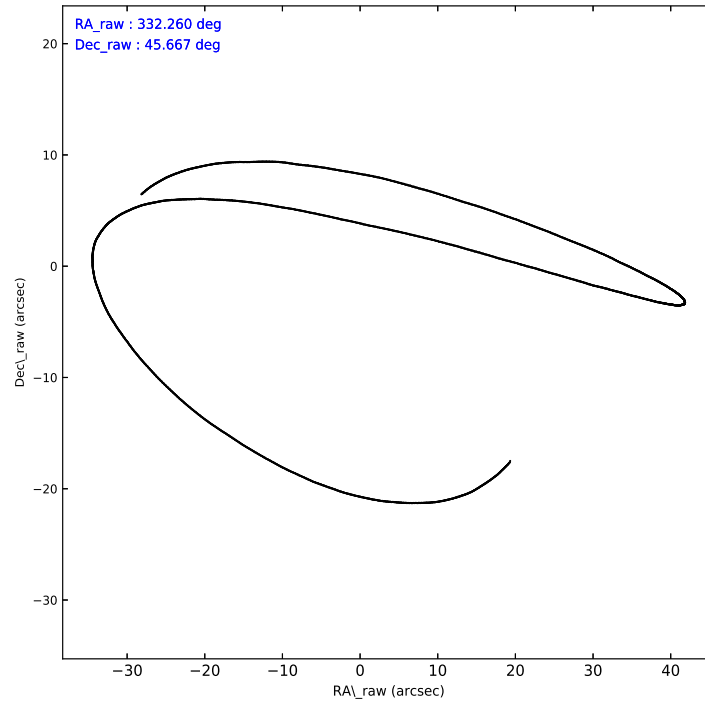
	segment 0
level 1 events	287658
rejected events	72528
rejected %	25%

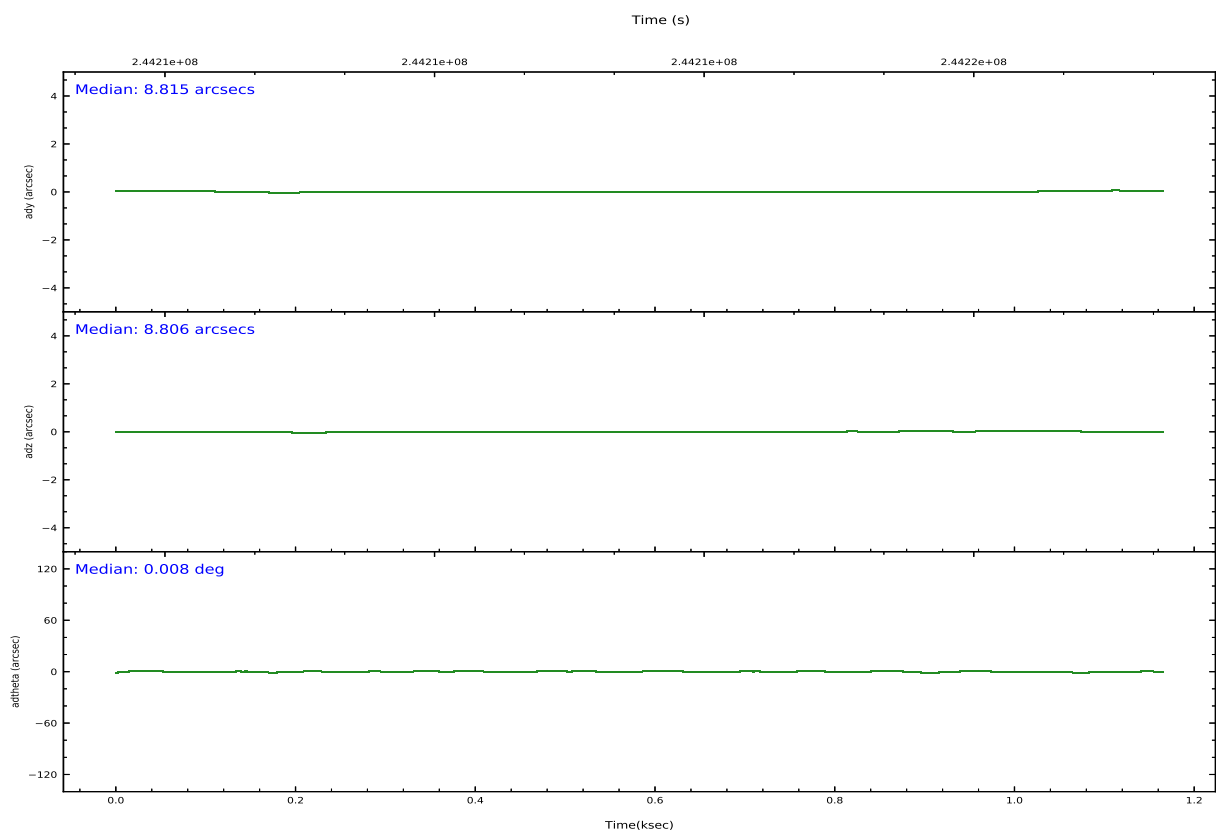
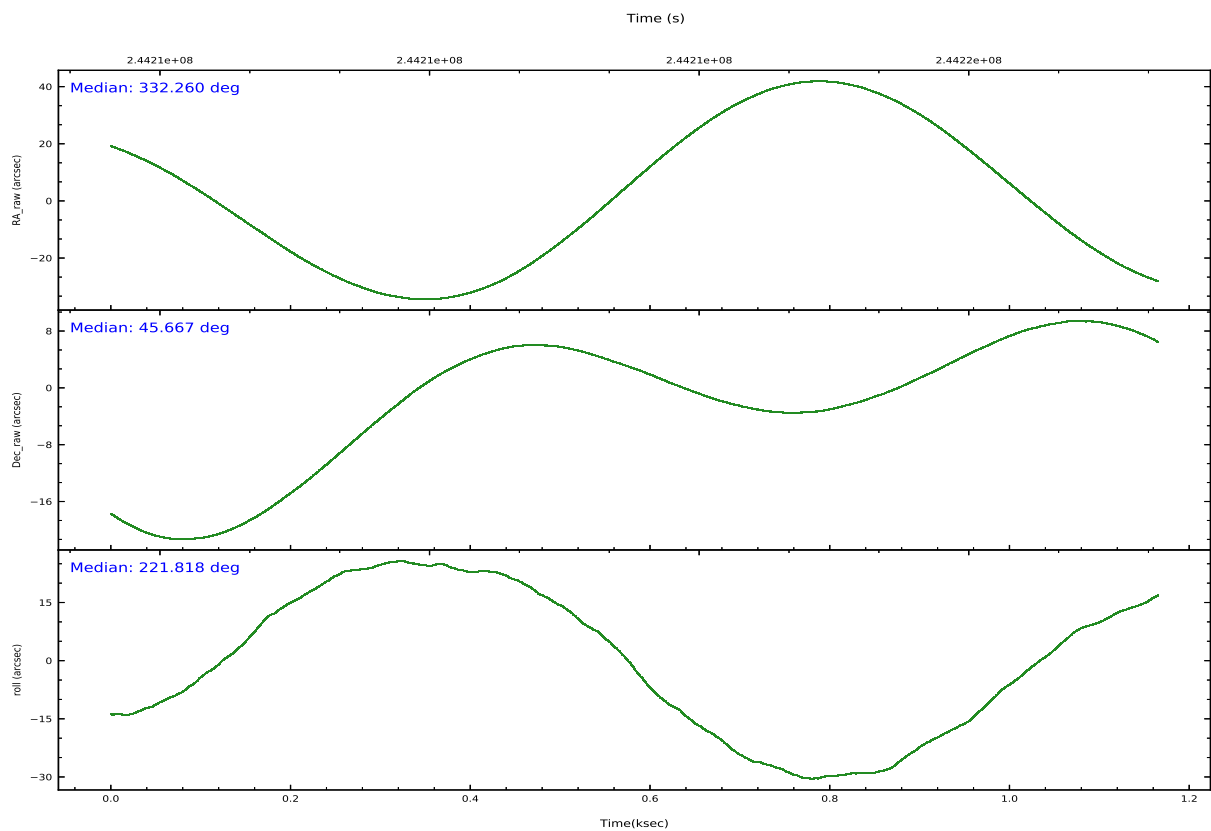
2.2 Compared Parameters

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	332.271339	332.26040010222
[deg] Pointing Dec	45.692515	45.670066216858
[deg] Pointing Roll	221.914518	221.81816674244
[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)	244214322.184000	244213946.08528
Observation start date	2005-09-27T13:17:38	2005-09-27T13:12:26
[s] Observation end time (MET)	244215312.184000	244215506.64785
Observation end date	2005-09-27T13:34:08	2005-09-27T13:38:26

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

2.3 Aspect



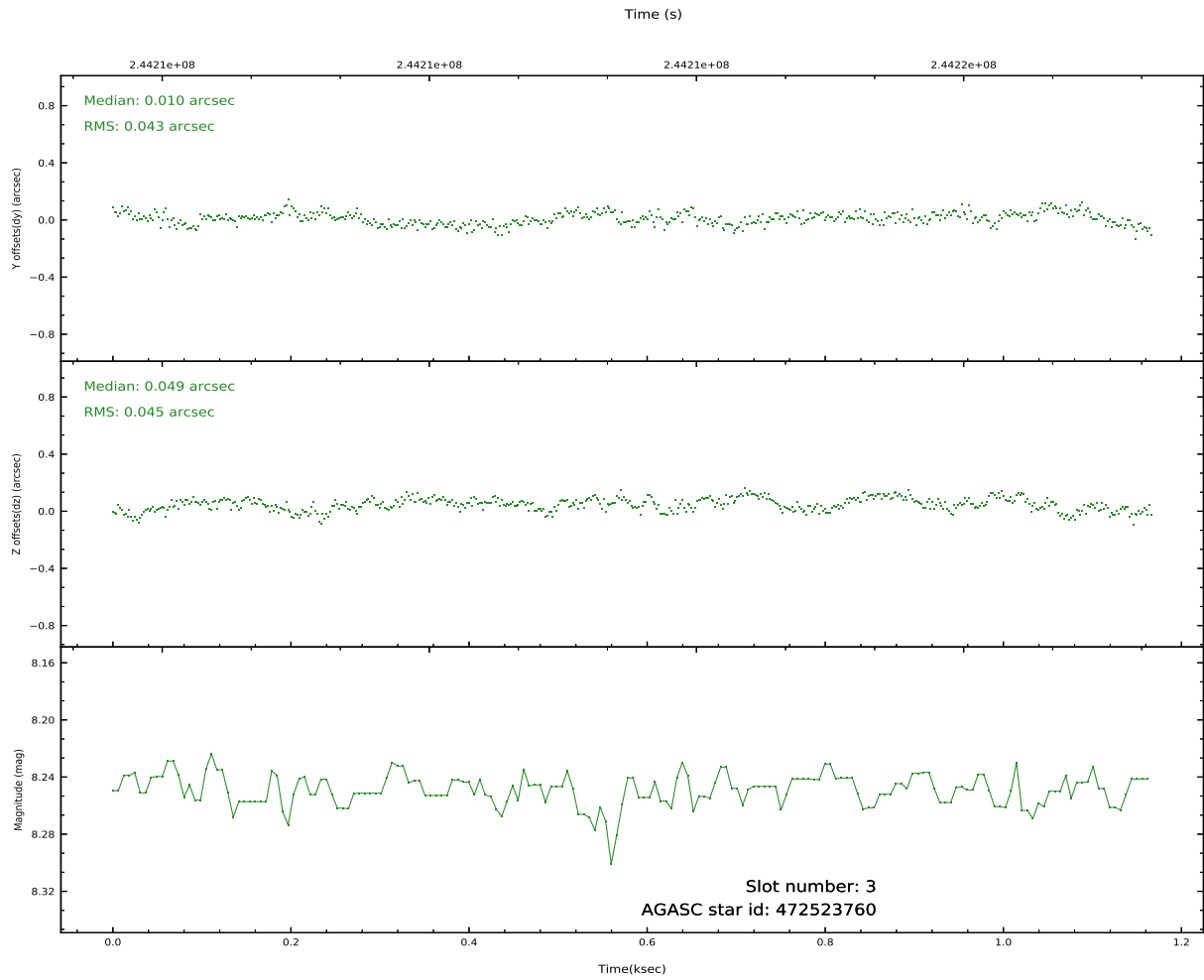
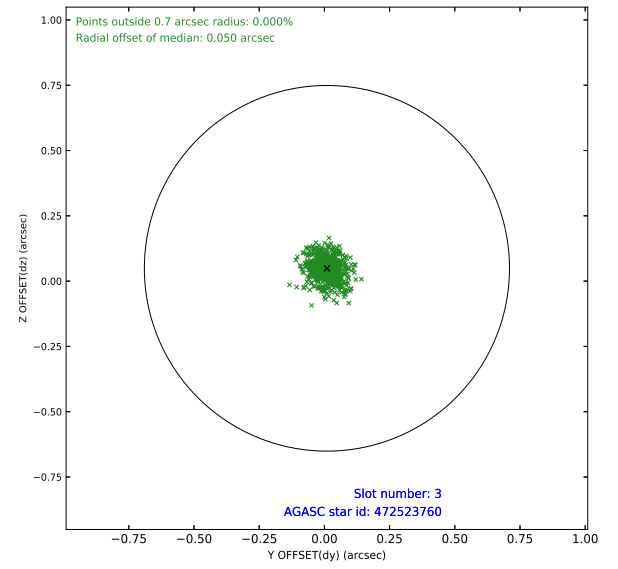
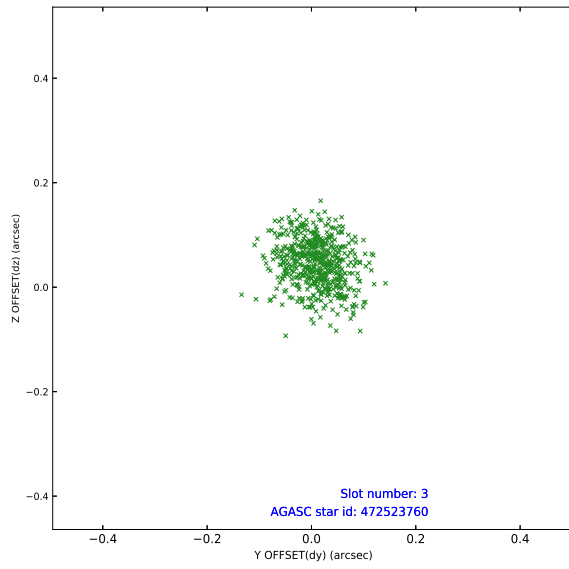


Slot Statistics

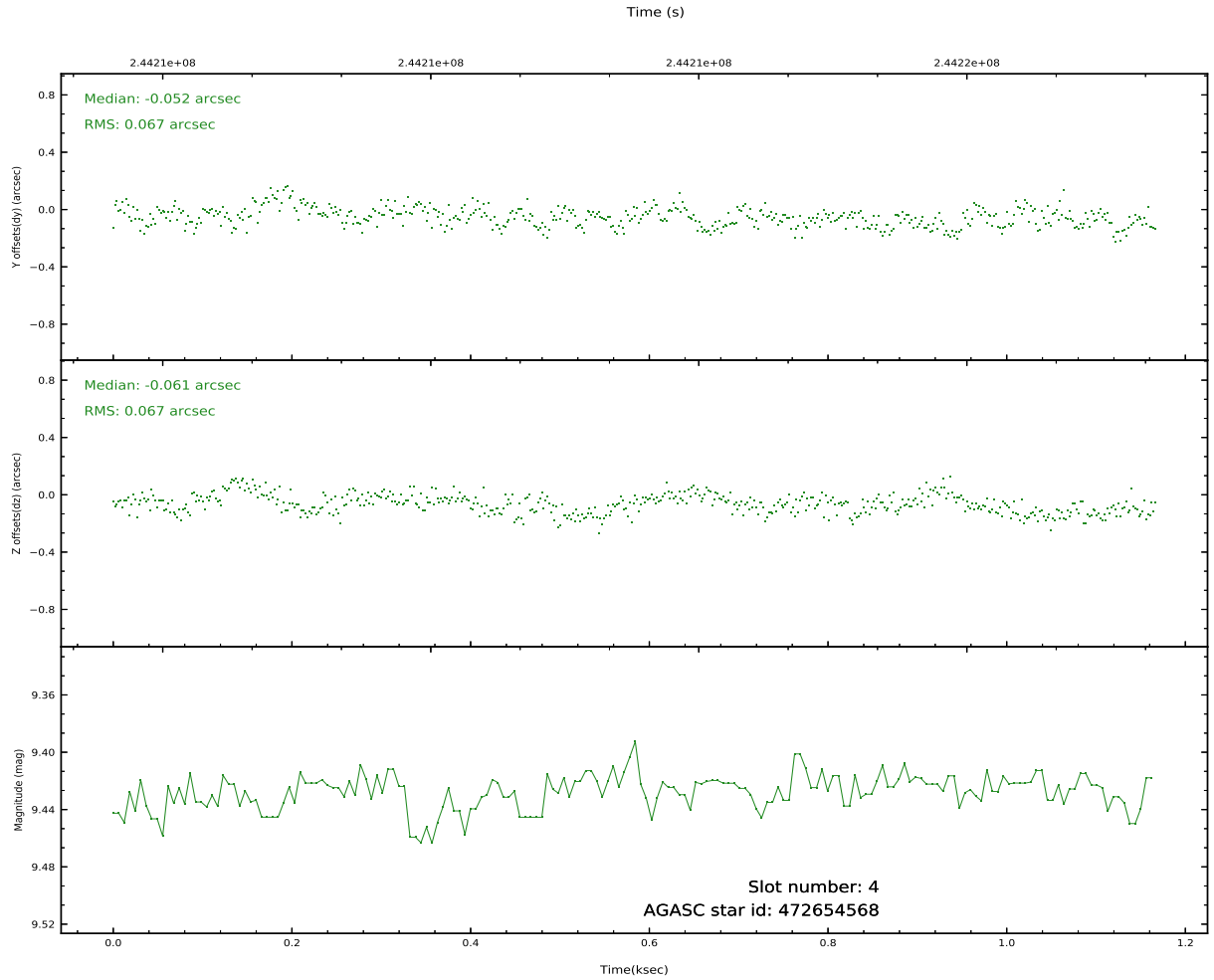
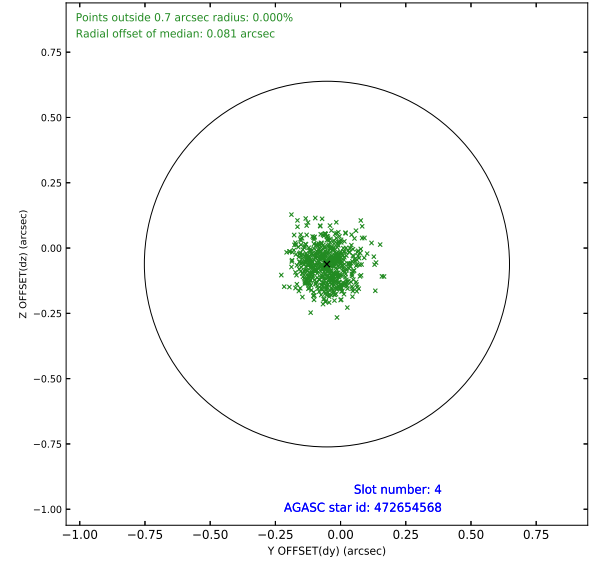
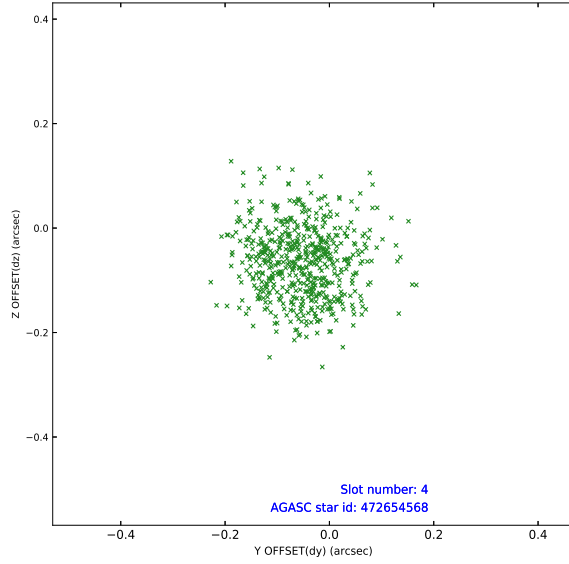
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.02	284	1.000	0.090	-0.112	0.006	0.011	0.000000	0.000000	848.29	-1298
1	FID		HRC-I-3	7.06	285	1.000	-0.096	0.032	0.006	0.012	0.000000	0.000000	-1190.07	1003
2	FID		HRC-I-4	7.00	285	1.000	0.125	-0.007	0.006	0.010	0.000000	0.000000	1274.27	1008
3	GUIDE	used	472523760	8.25	570	1.000	0.010	0.049	0.067	0.109	331.645363	45.403260	1868.91	-286
4	GUIDE	used	472654568	9.43	570	1.000	-0.052	-0.061	0.104	0.164	332.194449	45.063576	1661.20	1553
5	GUIDE	used	472661712	10.02	570	1.000	0.132	-0.121	0.126	0.197	331.914954	46.059715	-218.88	-1577
6	GUIDE	used	472665256	9.00	570	1.000	-0.017	0.027	0.092	0.164	332.808125	46.195041	-2207.36	-459
7	GUIDE	used	472659832	9.46	568	1.000	-0.078	0.118	0.089	0.142	332.780399	46.098139	-1927.87	-241

2.4 Star Slots

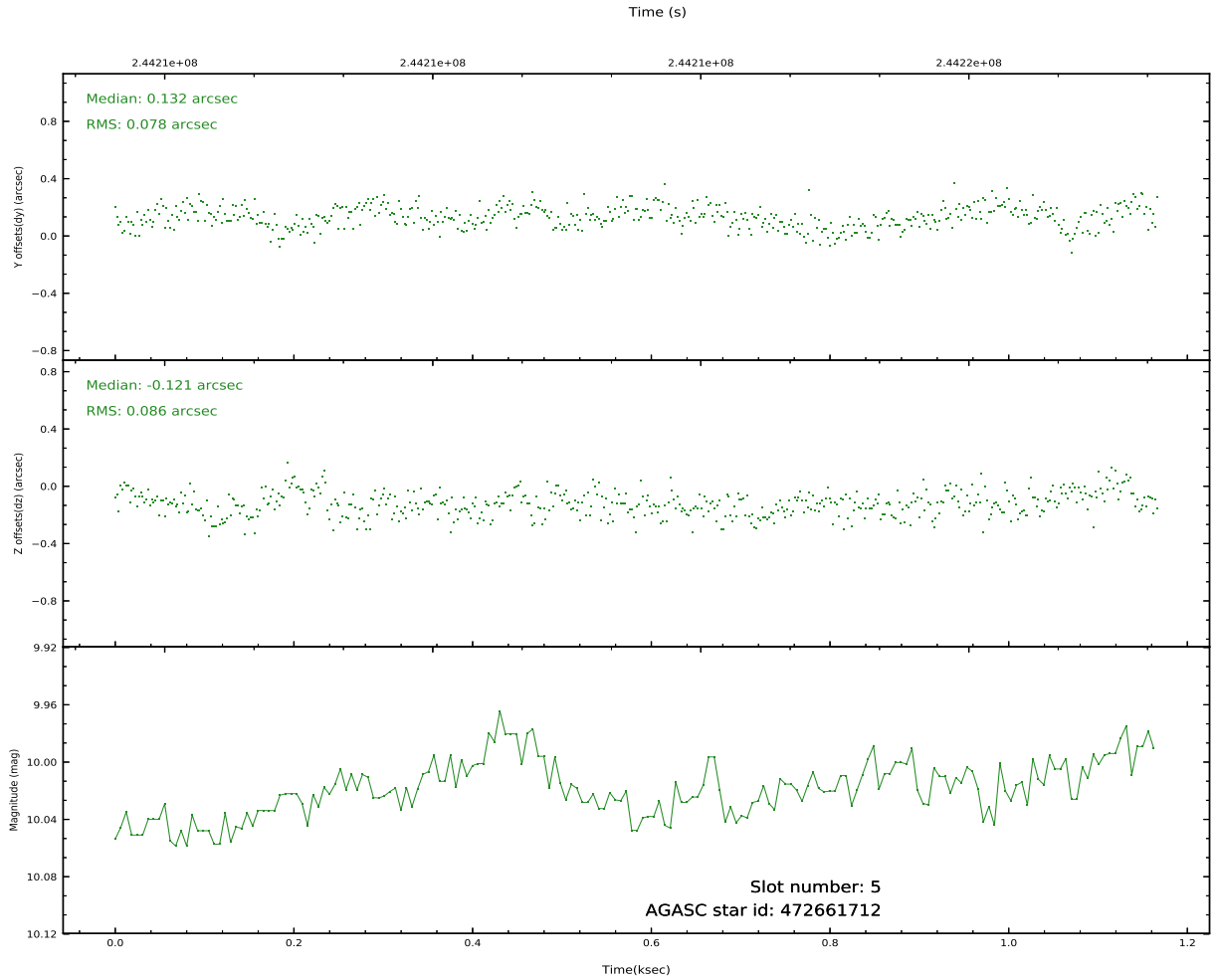
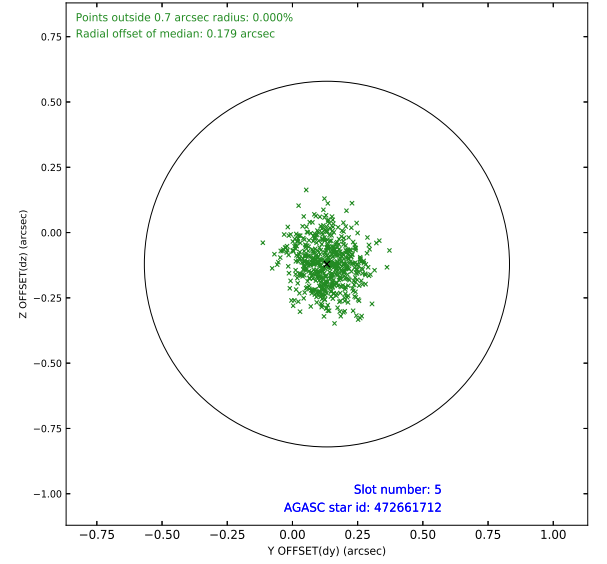
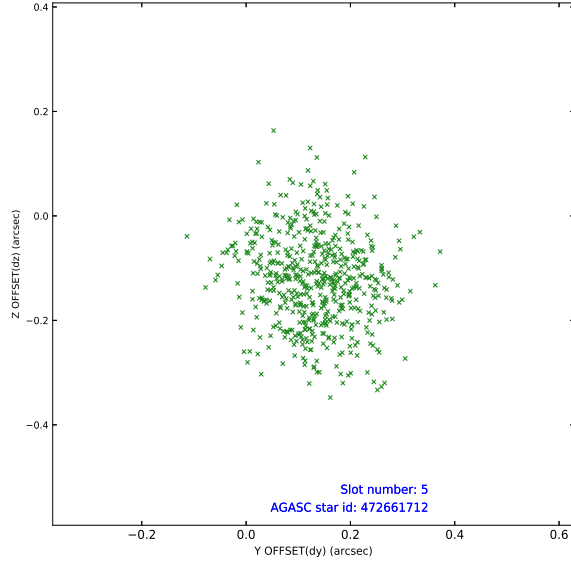
2.4.1 Slot 3



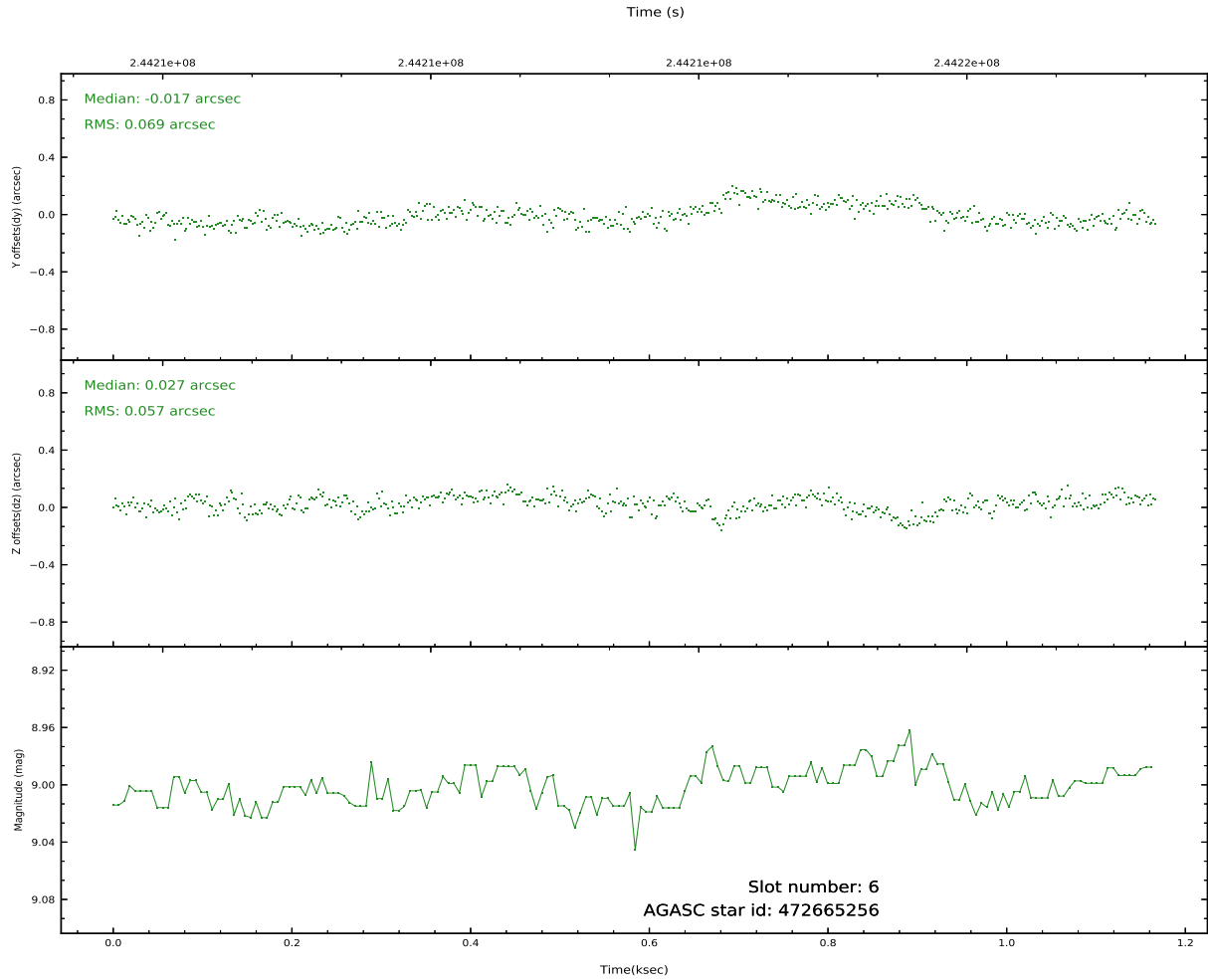
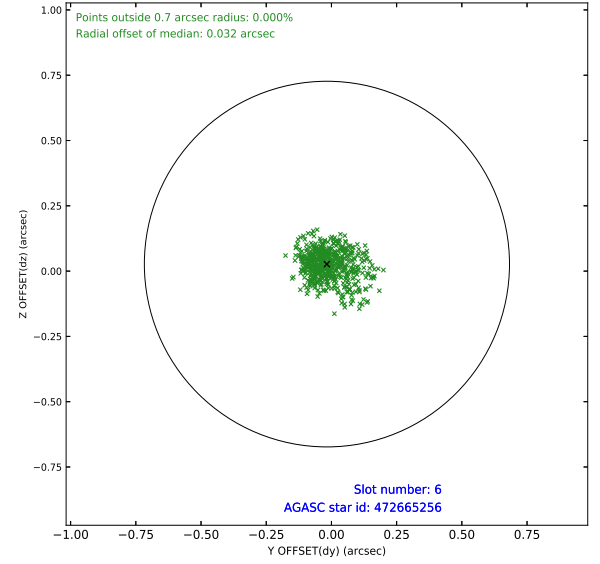
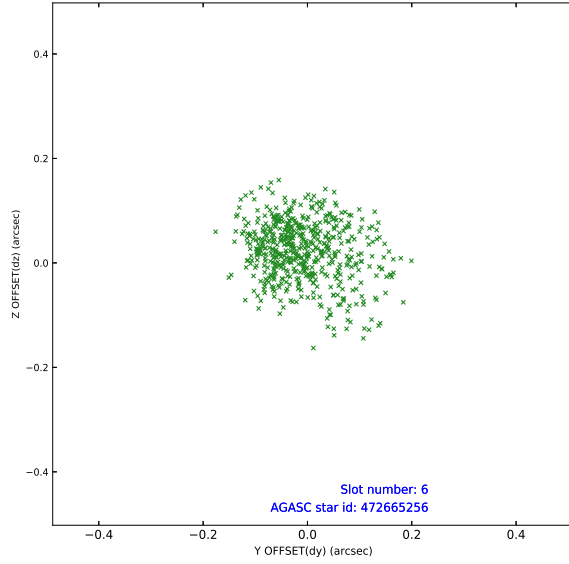
2.4.2 Slot 4



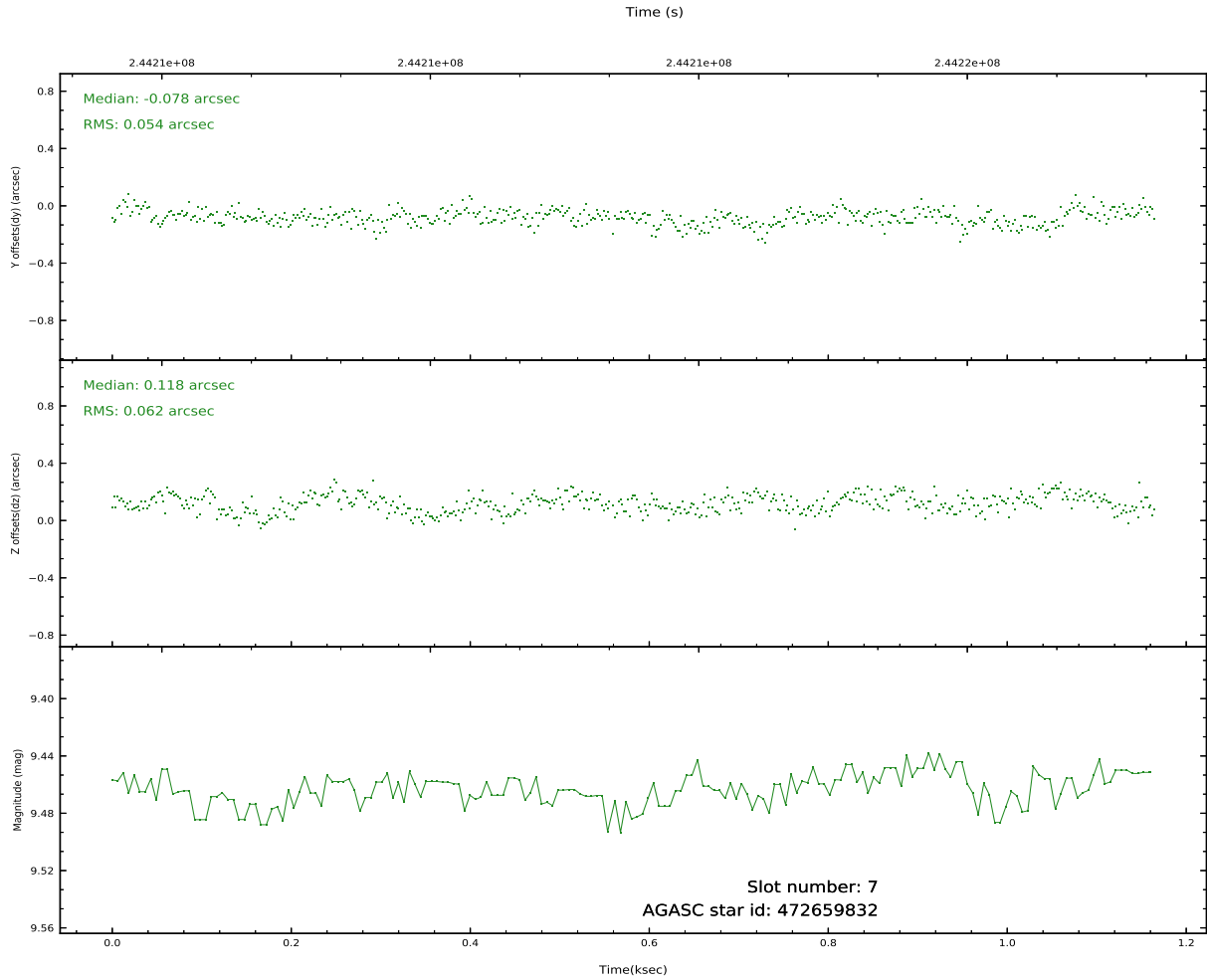
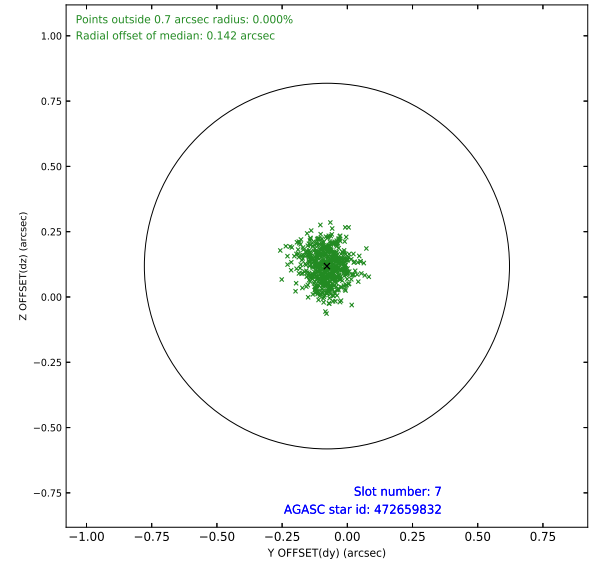
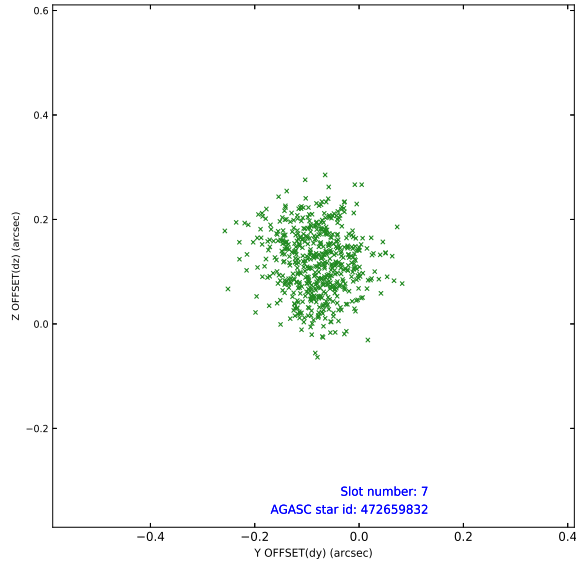
2.4.3 Slot 5



2.4.4 Slot 6

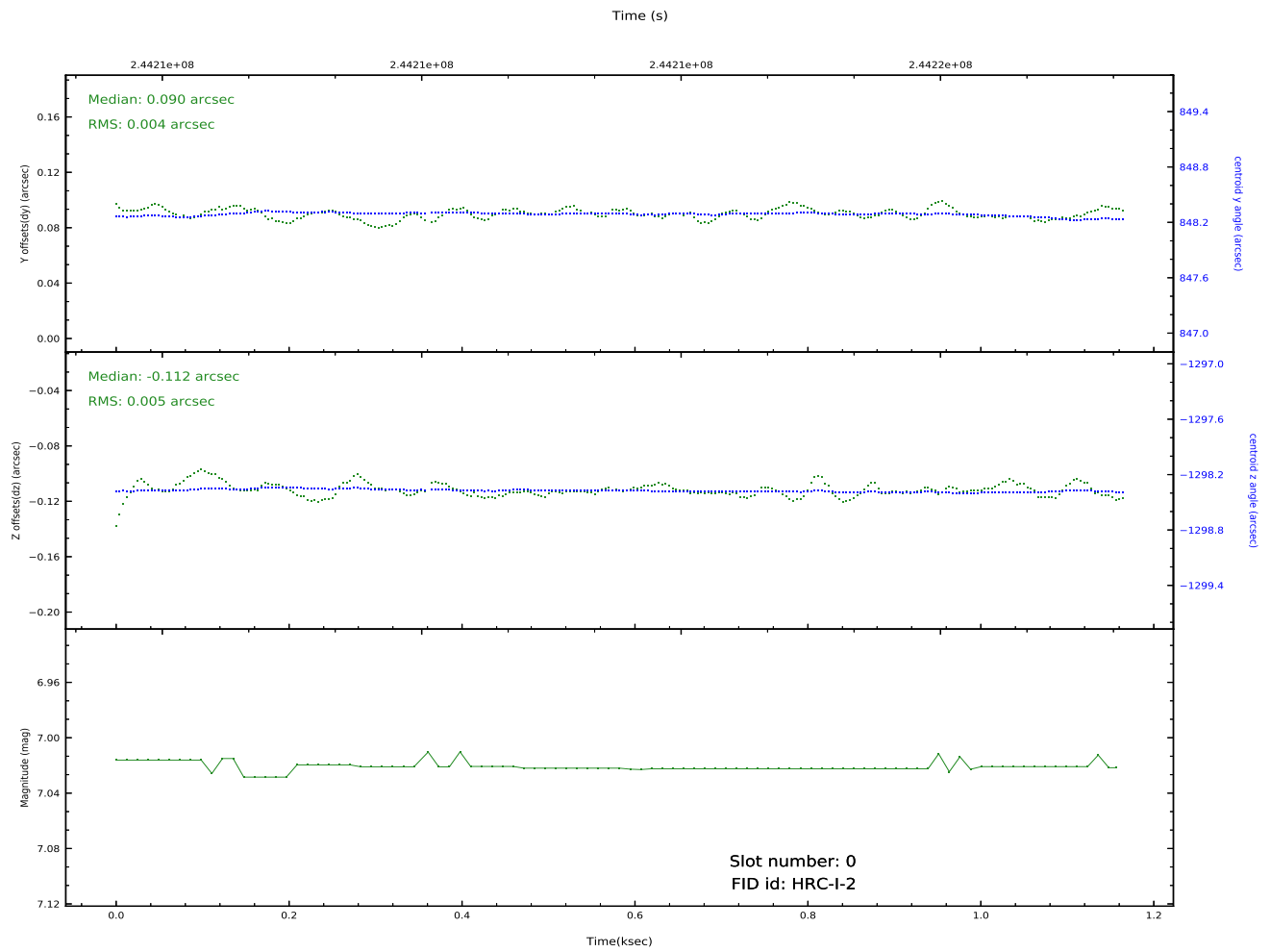
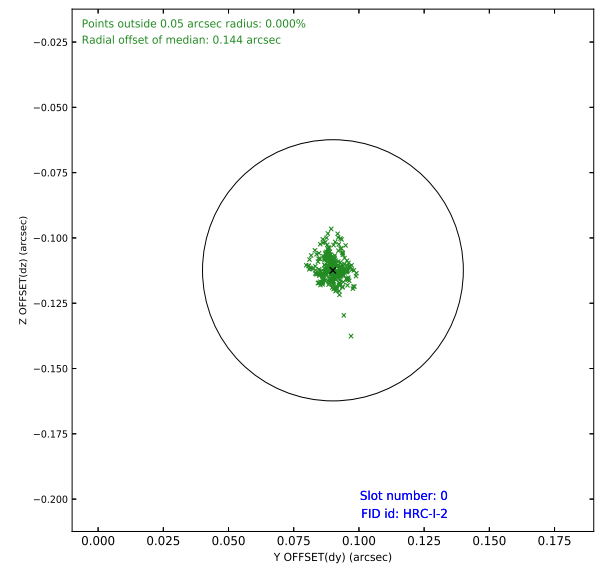
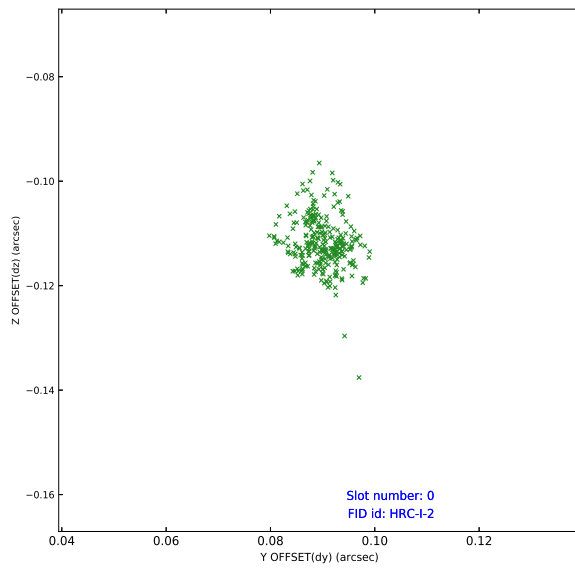


2.4.5 Slot 7

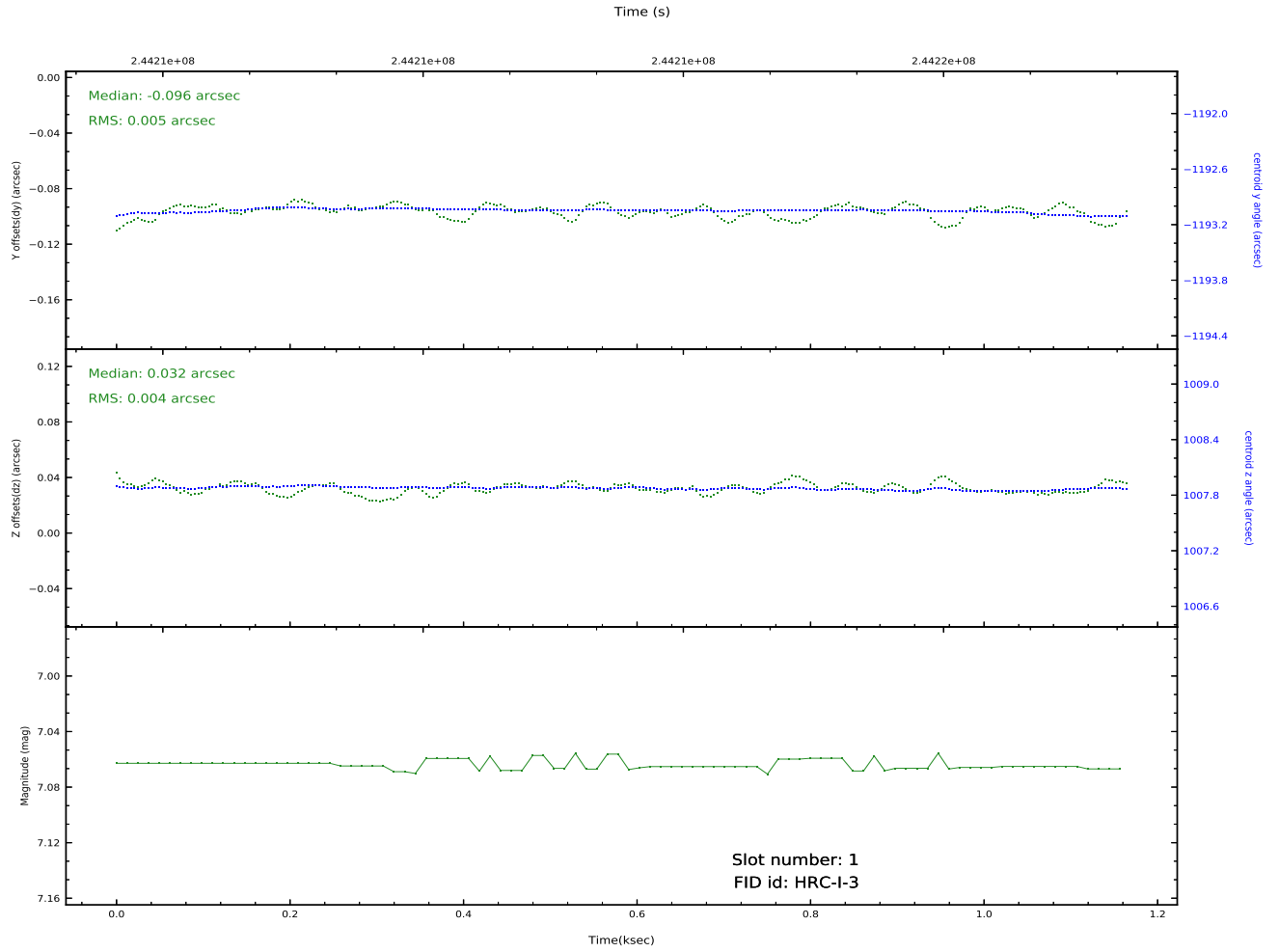
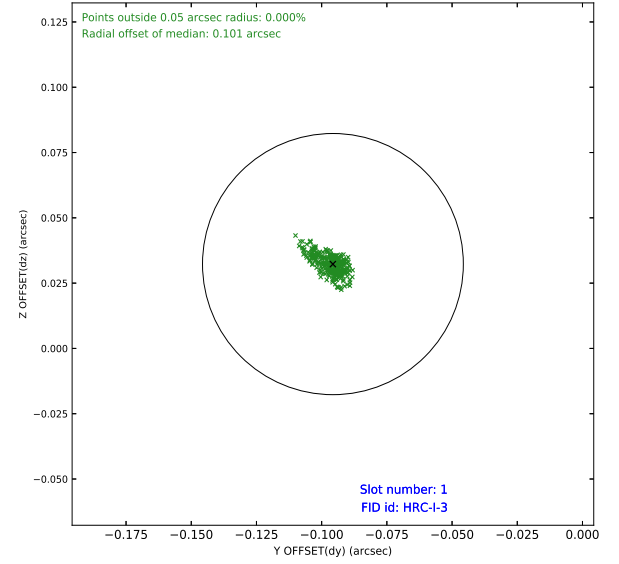
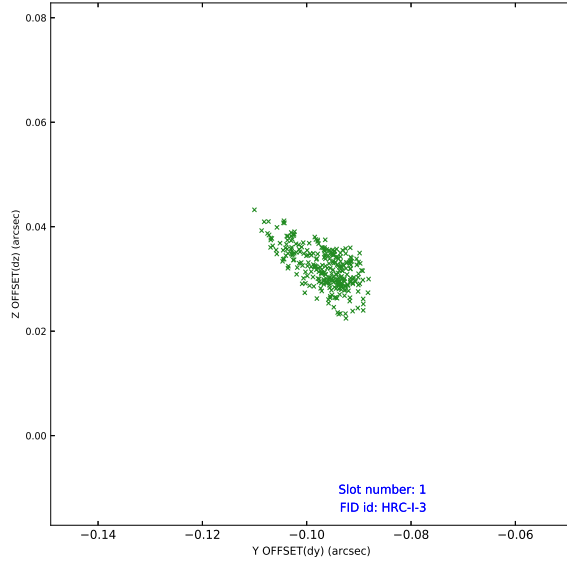


2.5 FID Slots

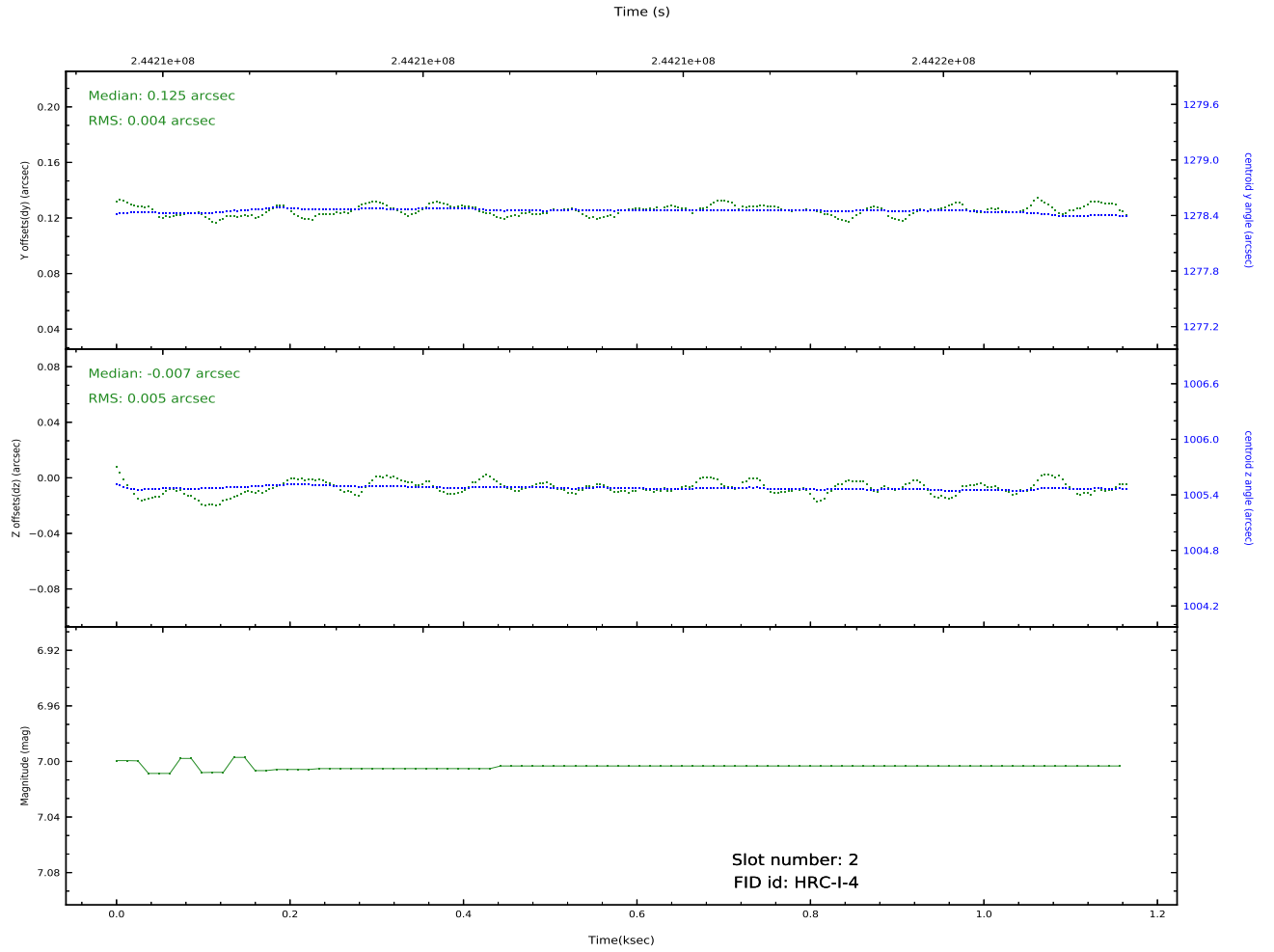
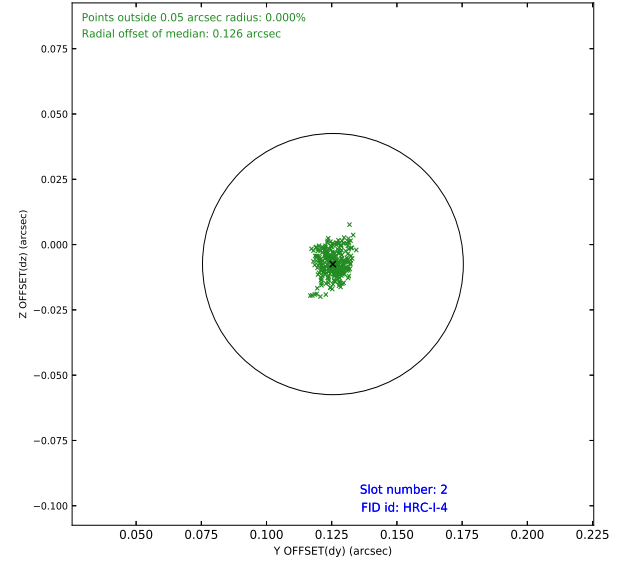
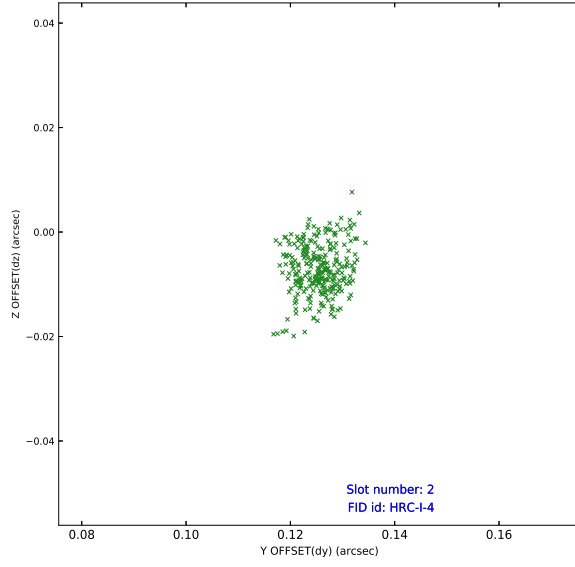
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.165425

A.2 Comments