

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5065 - L2 Version 5
Chandra X-Ray Center

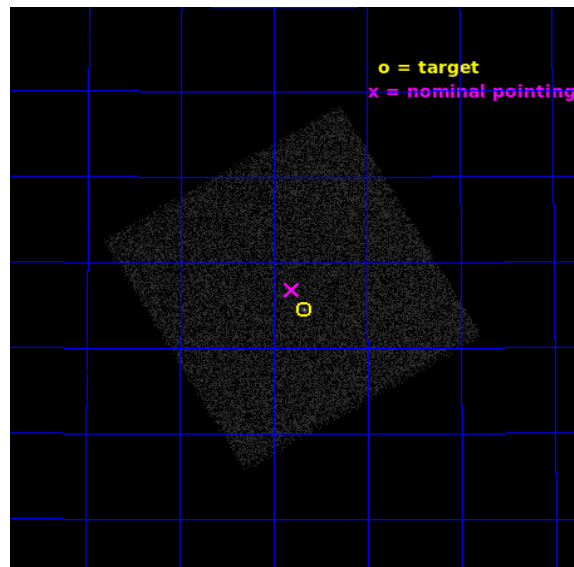
L2 Processing Date : Oct 5 2020

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

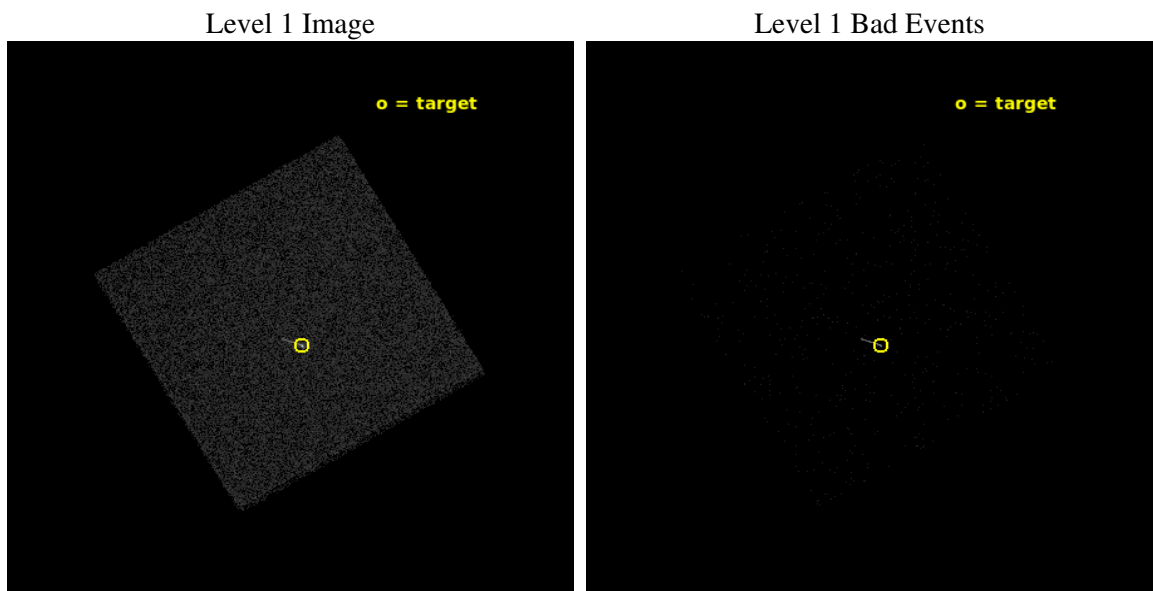
seq_num	290338	Sequence number
obs_id	5065	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20138114318	Nominal RA [deg]
dec_nom	45.780657449181	Nominal Dec [deg]
roll_nom	284.40485827464	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1089.8312989771	[s]
livetime	1082.0452019113	Ontime multiplied by DTCOR
l2events	43334	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1089.8312989771	[s]
caldbver	4.9.2	 	l1events	81641	Number of level 1 events
date	2020-10-05T06:21:56	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

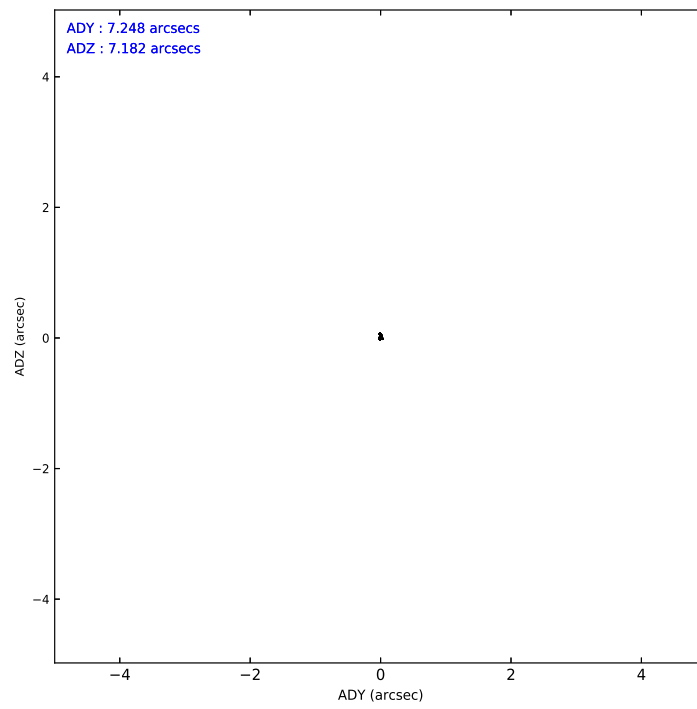
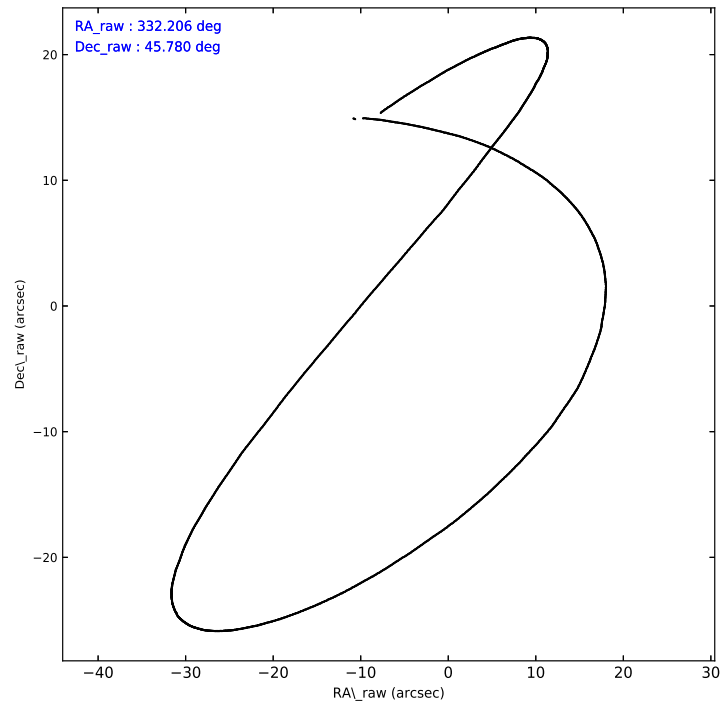
	segment 0
level 1 events	81641
rejected events	18697
rejected %	22%

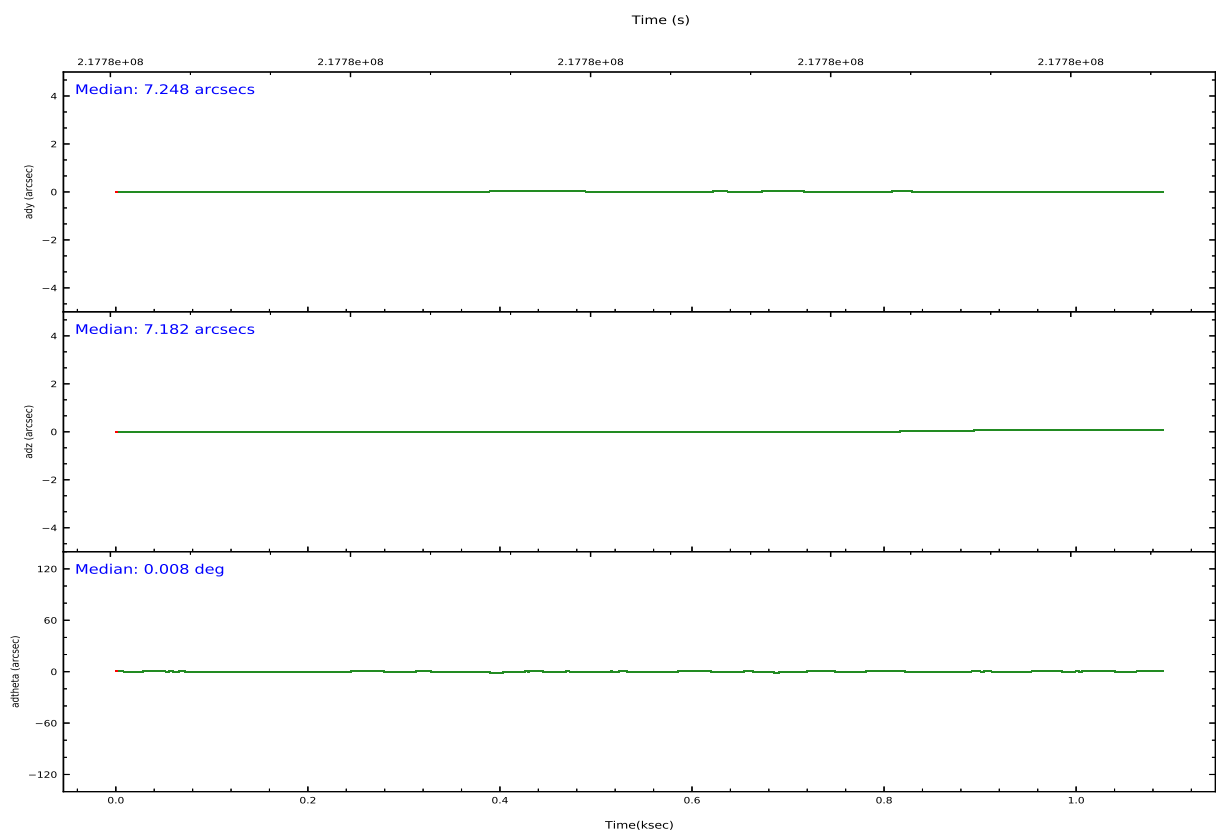
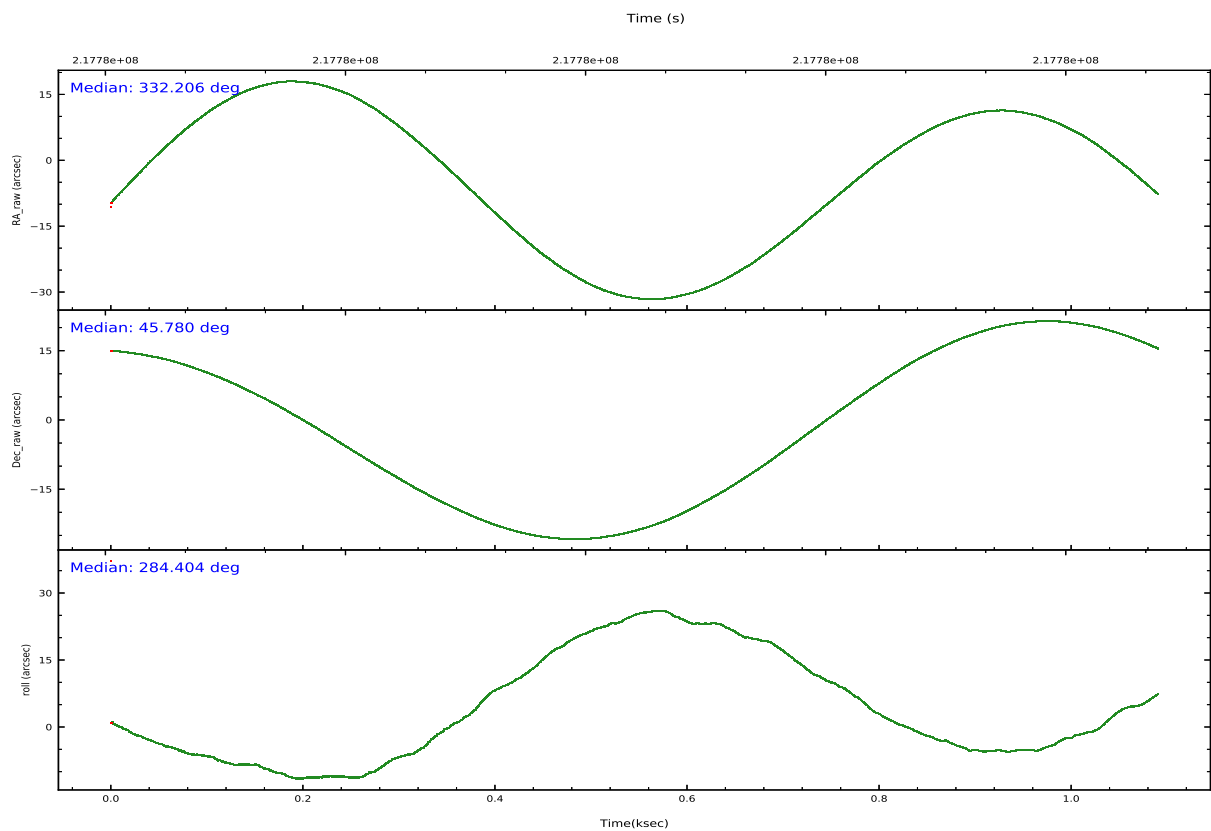
2.2 Compared Parameters

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	332.175554	332.20138114318
[deg] Pointing Dec	45.797718	45.780657449181
[deg] Pointing Roll	284.537824	284.40485827464
[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)	217781697.184000	217781320.73302
Observation start date	2004-11-25T14:53:53	2004-11-25T14:48:40
[s] Observation end time (MET)	217782597.184000	217782731.13309
Observation end date	2004-11-25T15:08:53	2004-11-25T15:12:11

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

2.3 Aspect



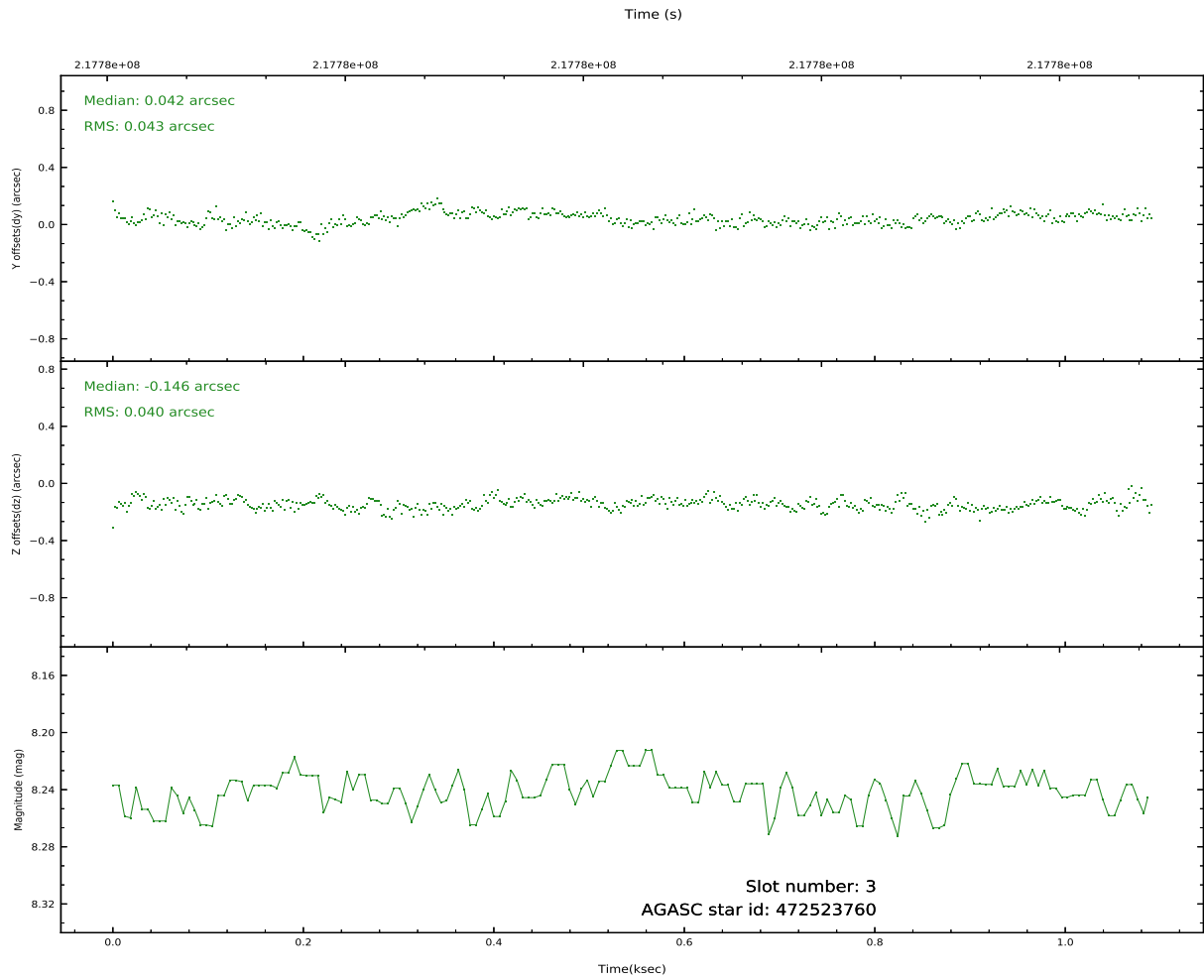
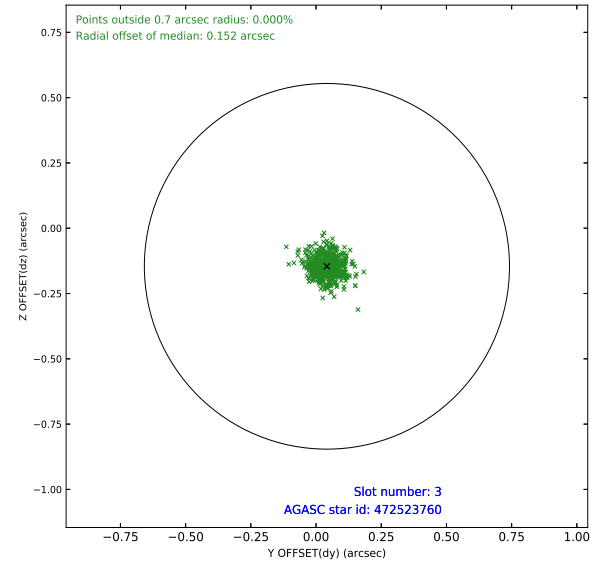
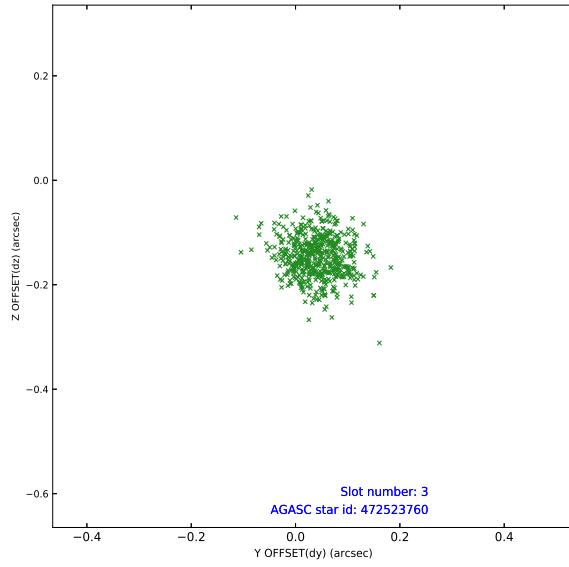


Slot Statistics

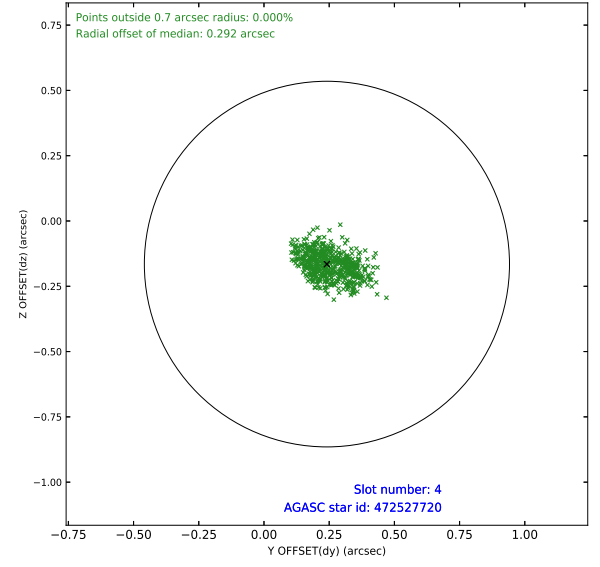
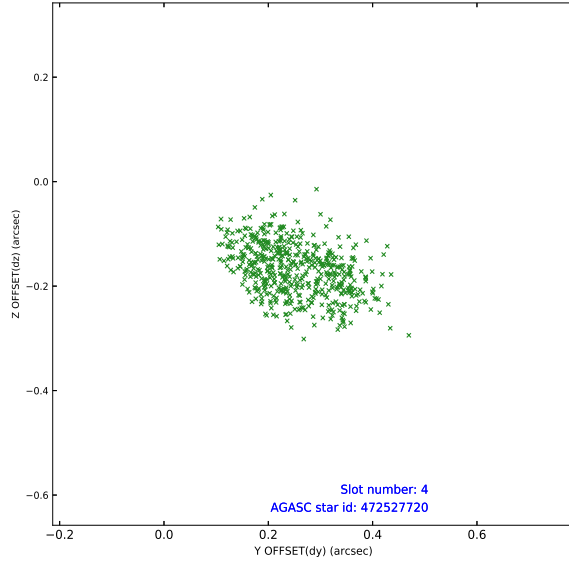
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	267	1.000	-0.008	-0.013	0.007	0.010	0.000000	0.000000	-762.85	-1295
1	FID		HRC-I-2	7.05	267	1.000	0.145	-0.099	0.005	0.009	0.000000	0.000000	847.08	-1301
2	FID		HRC-I-3	7.10	267	1.000	-0.018	0.023	0.005	0.009	0.000000	0.000000	-1188.18	1004
3	GUIDE	used	472523760	8.24	533	1.000	0.042	-0.146	0.062	0.099	331.645363	45.403260	1034.53	-1656
4	GUIDE	used	472527720	7.02	533	1.000	0.241	-0.165	0.095	0.151	331.460205	45.112509	1926.68	-2383
5	GUIDE	used	472533912	9.15	532	1.000	-0.108	0.094	0.087	0.143	331.791136	46.368695	-2227.74	-416
6	GUIDE	used	472659832	9.46	532	1.000	0.015	0.078	0.099	0.149	332.780399	46.098139	-677.54	1729
7	GUIDE	used	472659736	9.39	532	1.000	-0.214	0.149	0.114	0.215	332.848312	46.590160	-2352.08	2328

2.4 Star Slots

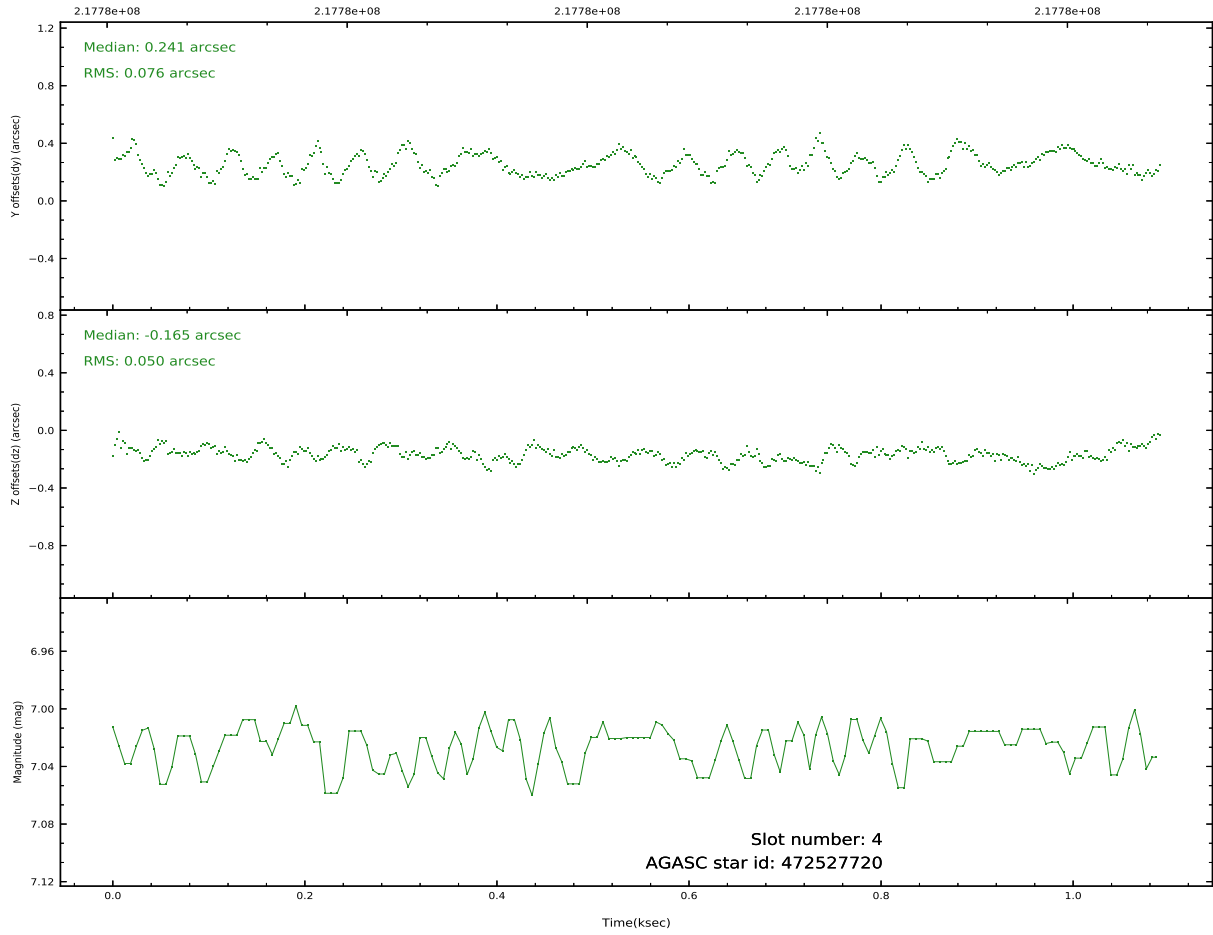
2.4.1 Slot 3



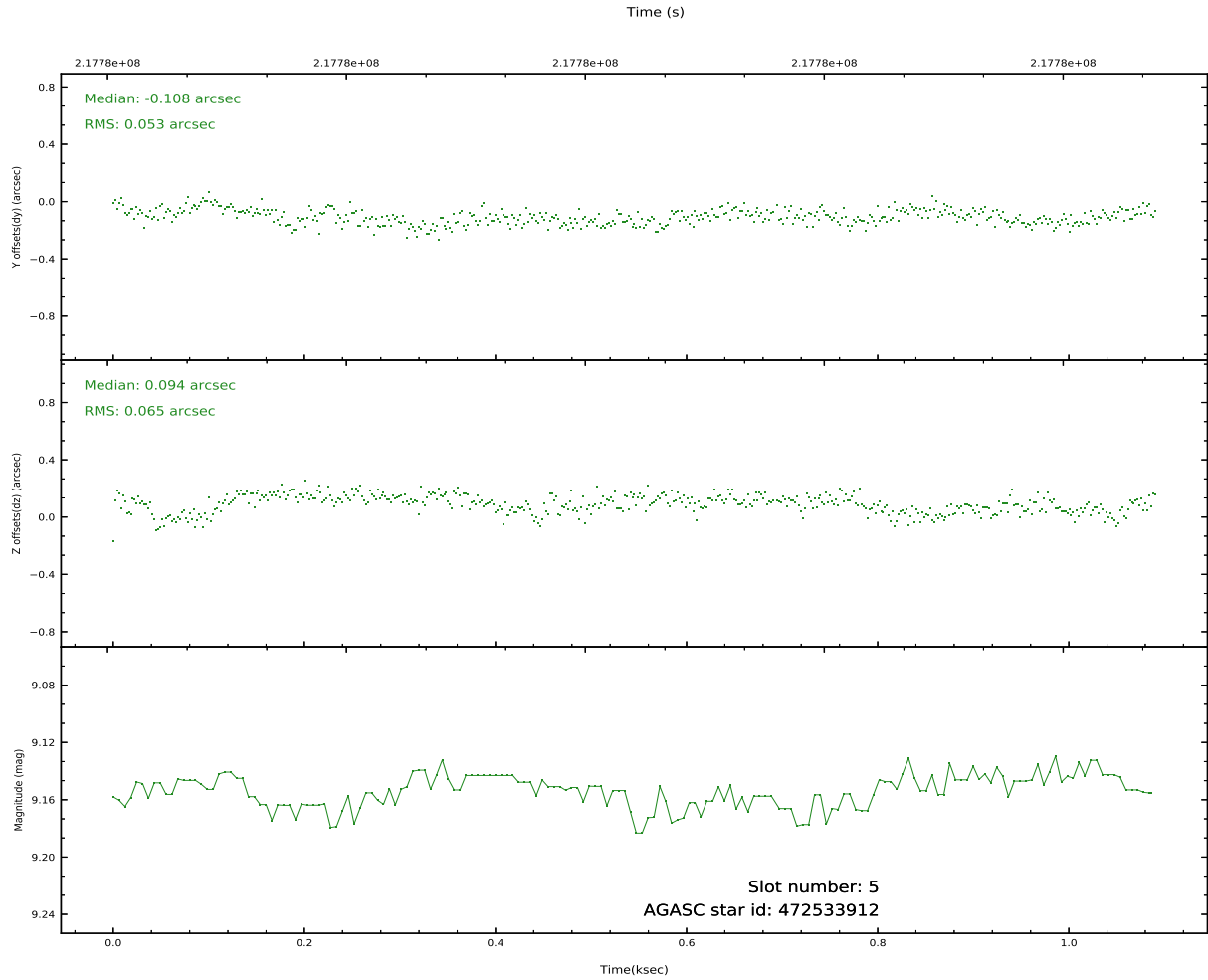
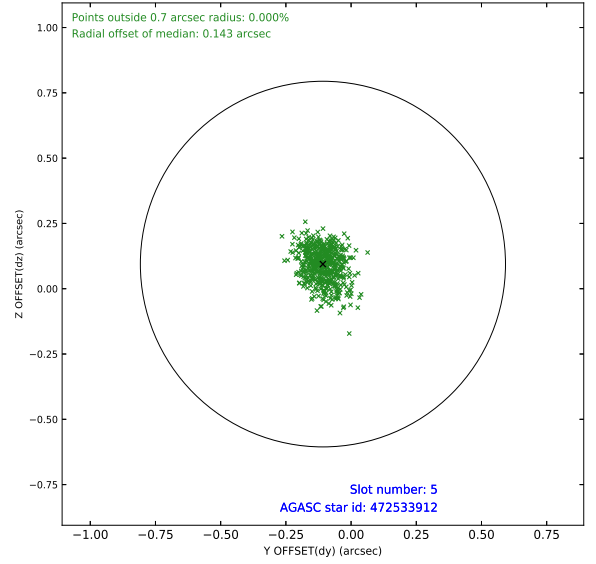
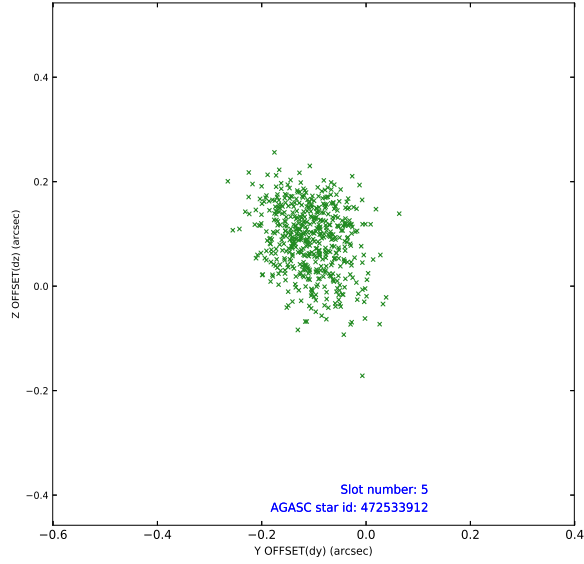
2.4.2 Slot 4



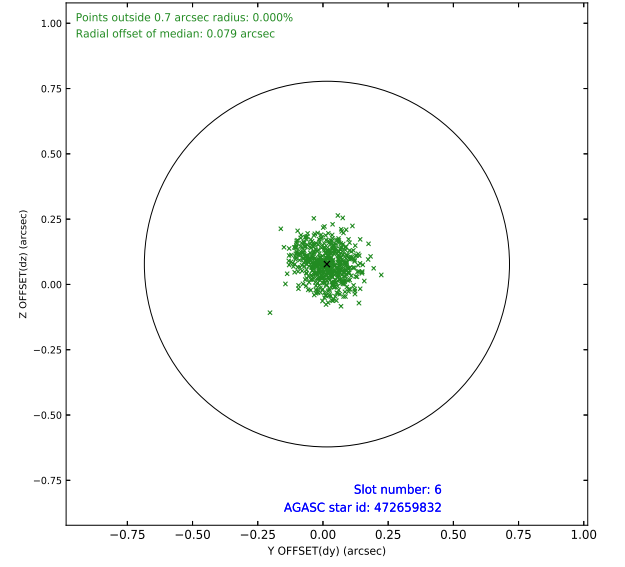
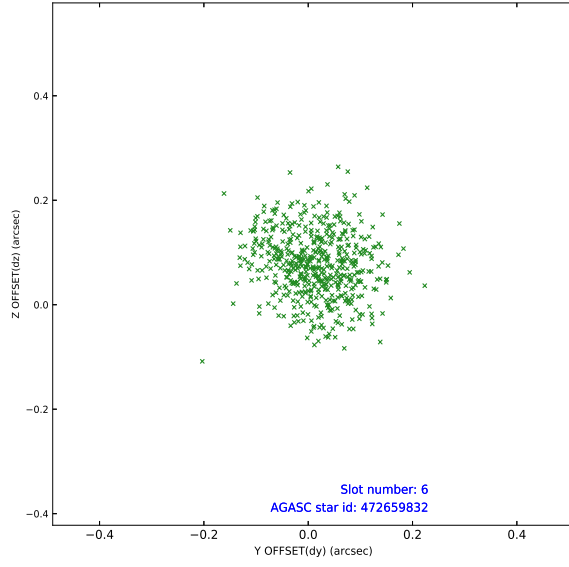
Time (s)



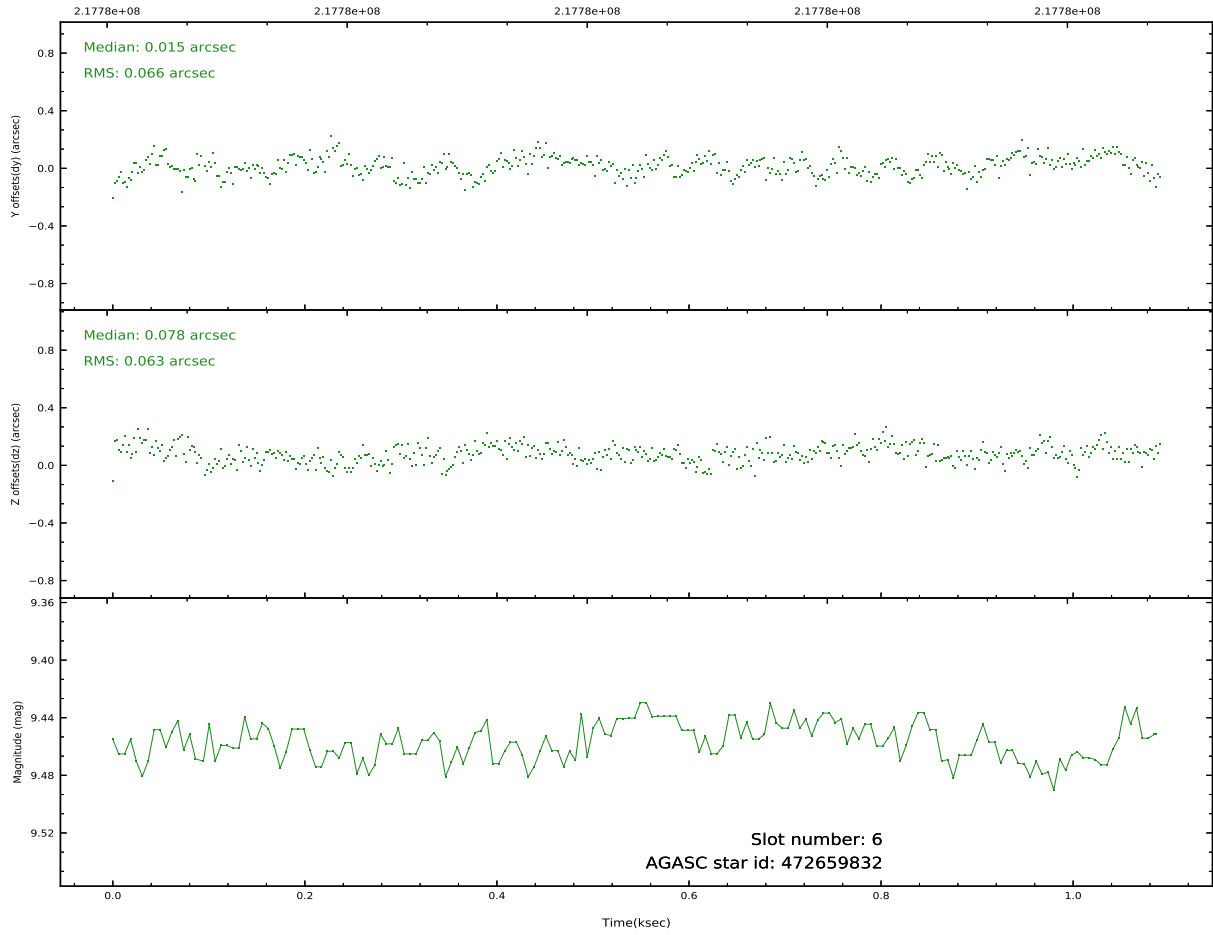
2.4.3 Slot 5



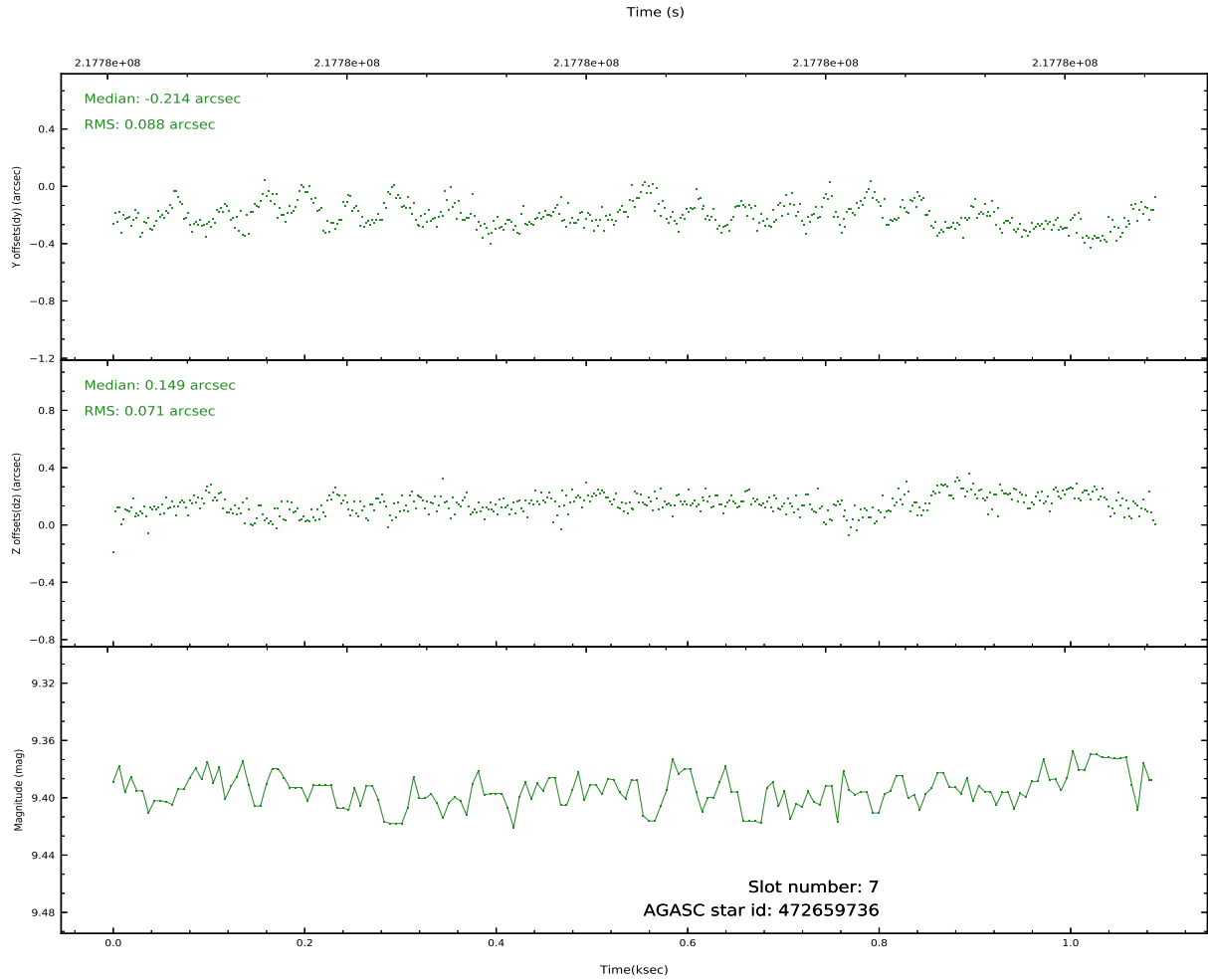
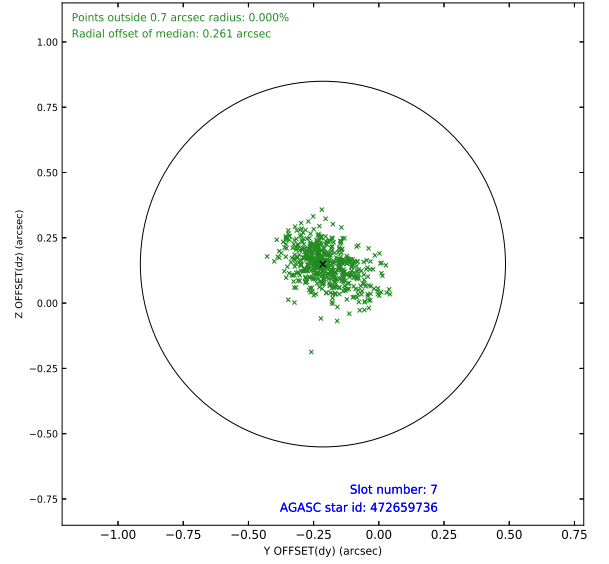
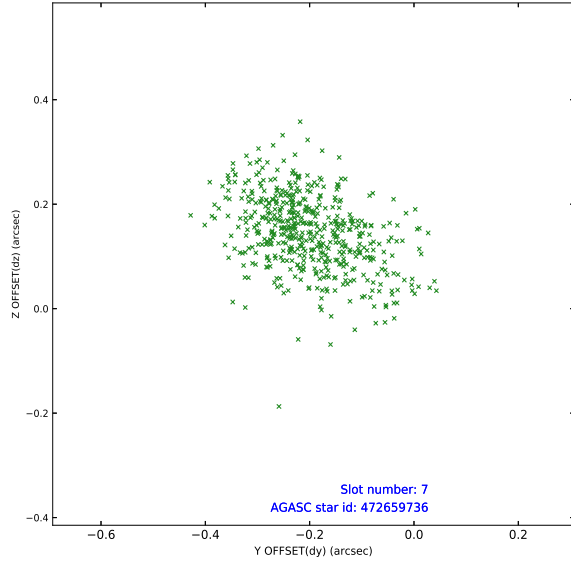
2.4.4 Slot 6



Time (s)

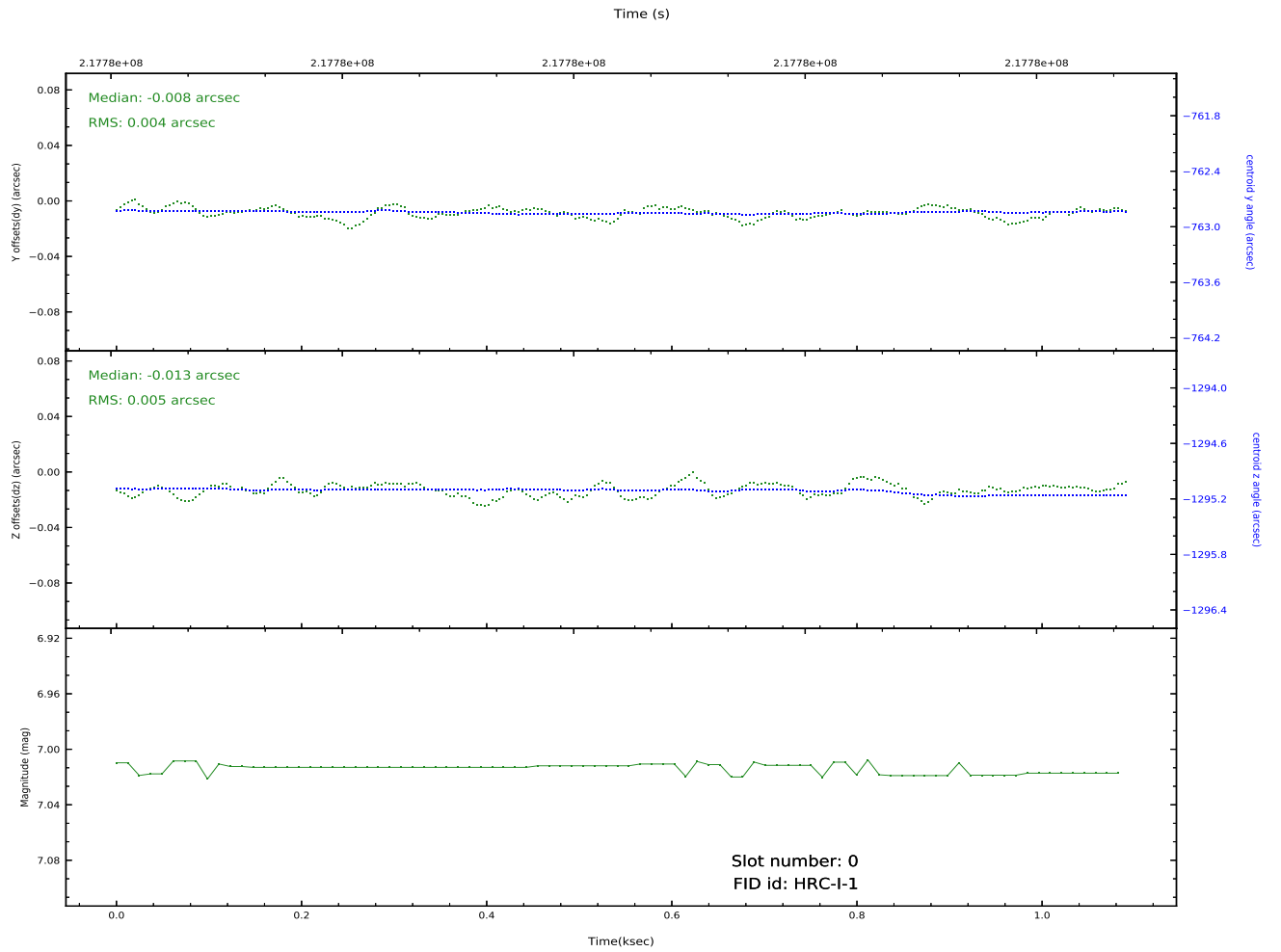
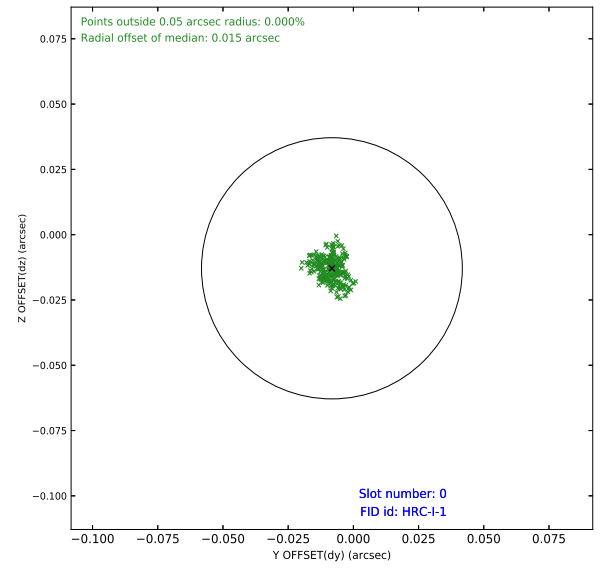
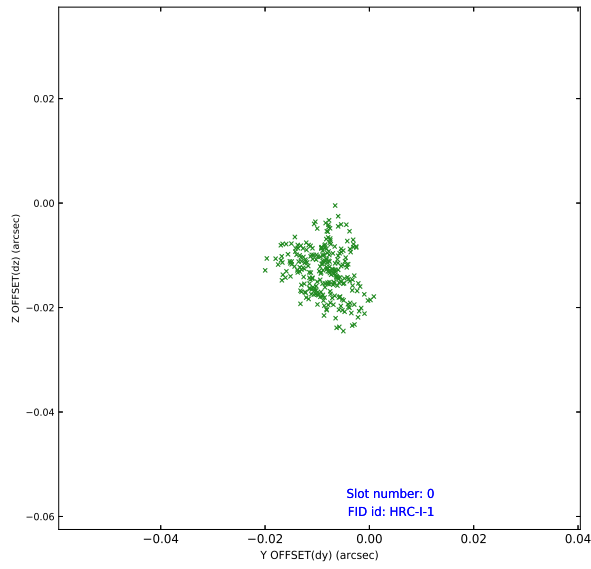


2.4.5 Slot 7

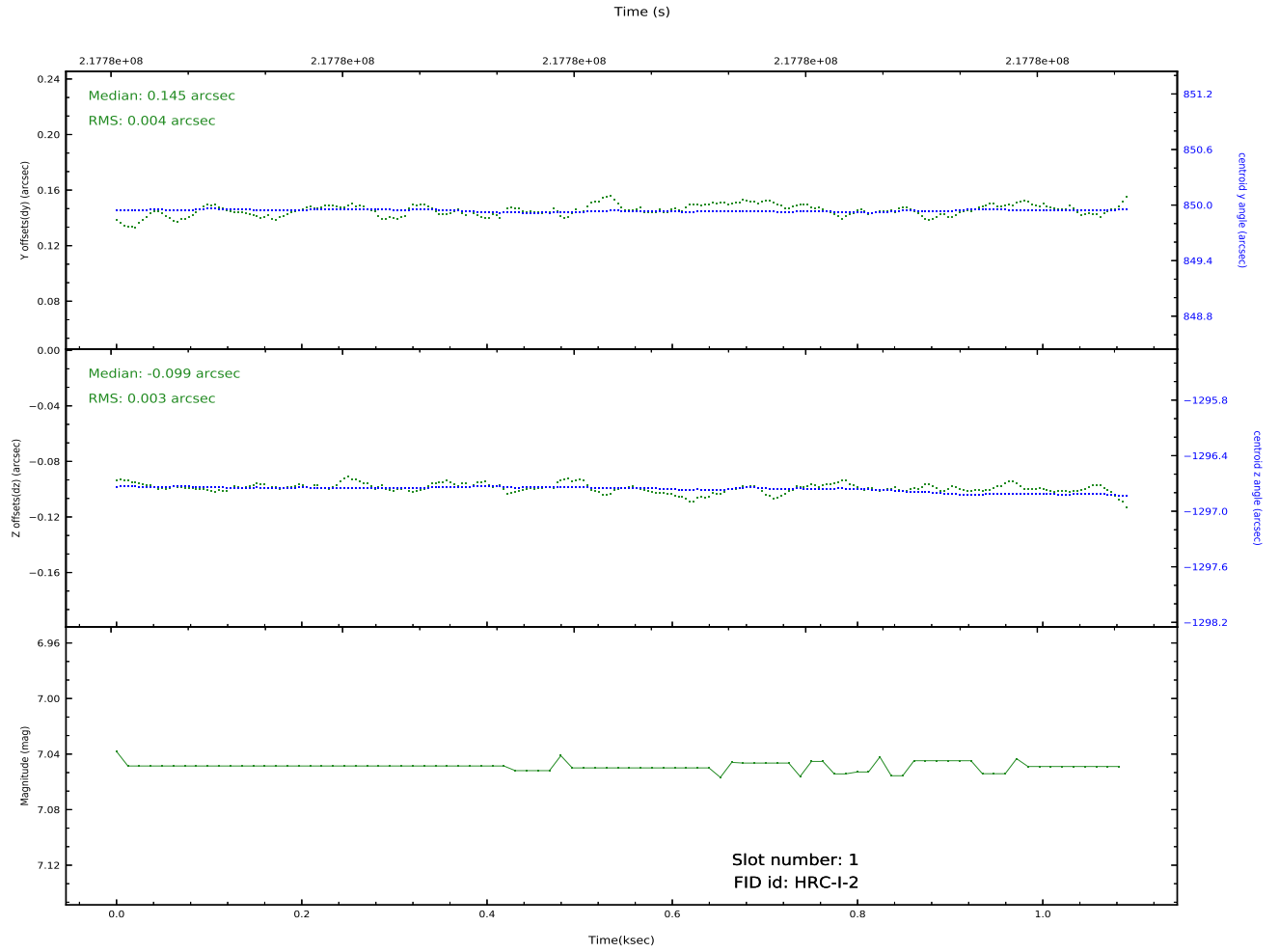
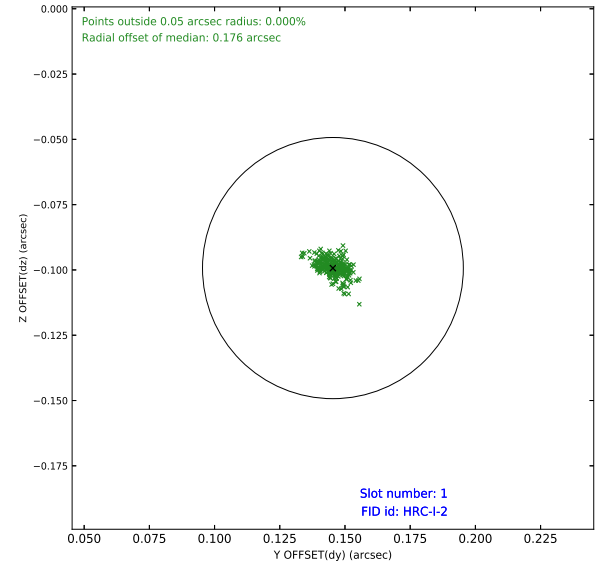
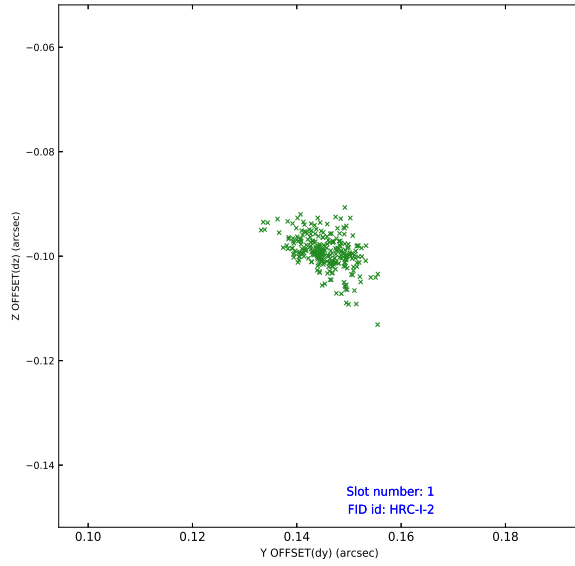


2.5 FID Slots

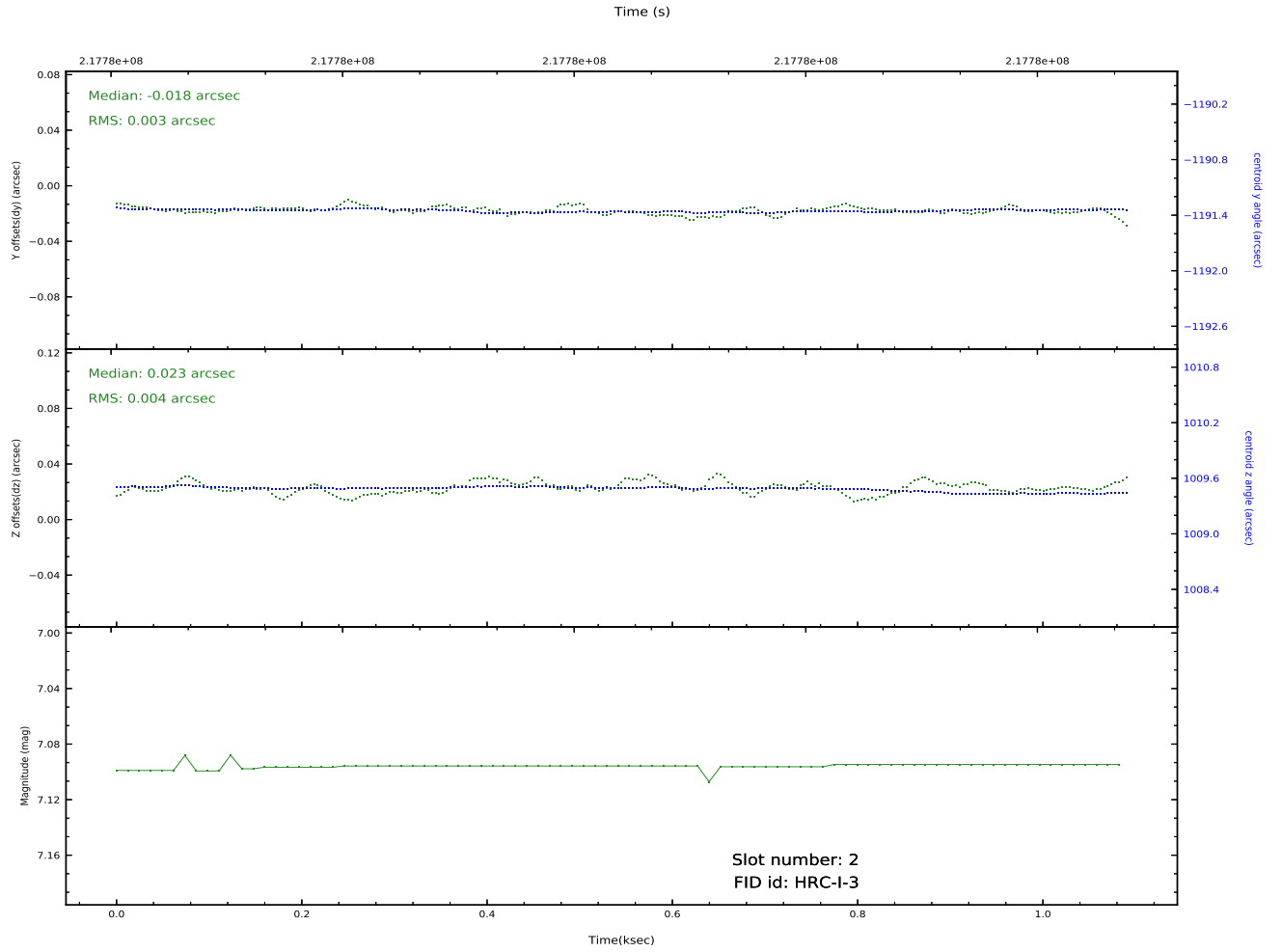
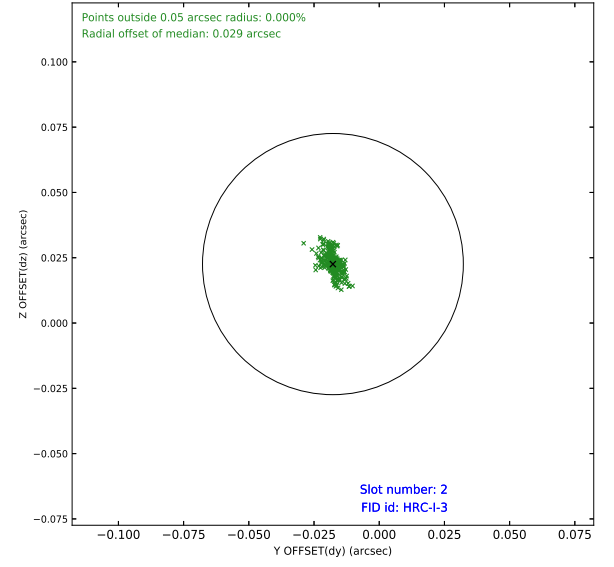
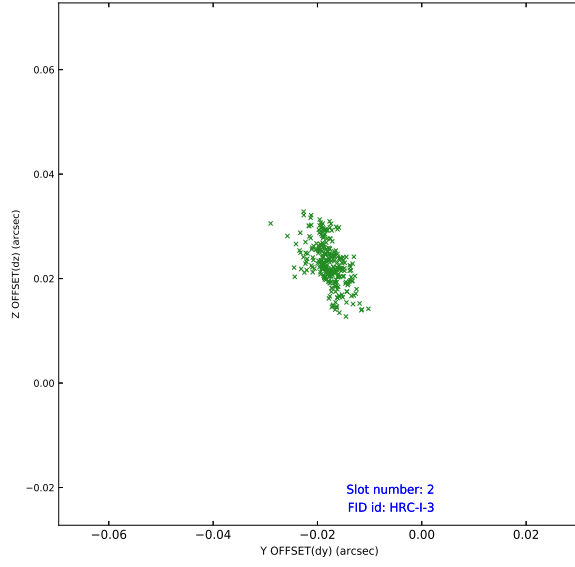
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.089831

A.2 Comments