

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4849 - L2 Version 5
Chandra X-Ray Center

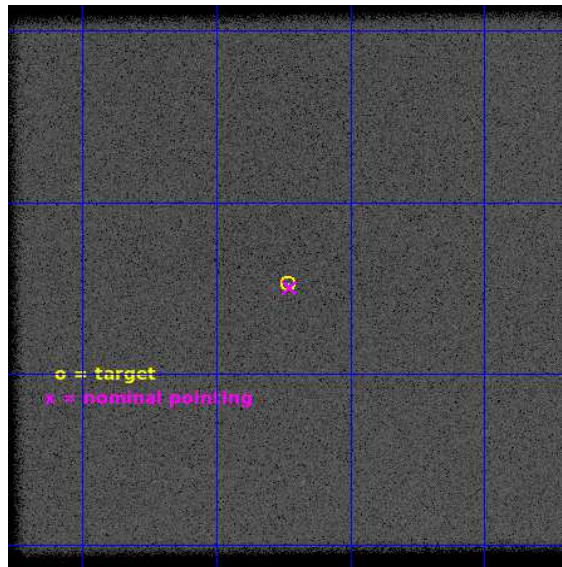
L2 Processing Date : Oct 5 2020

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

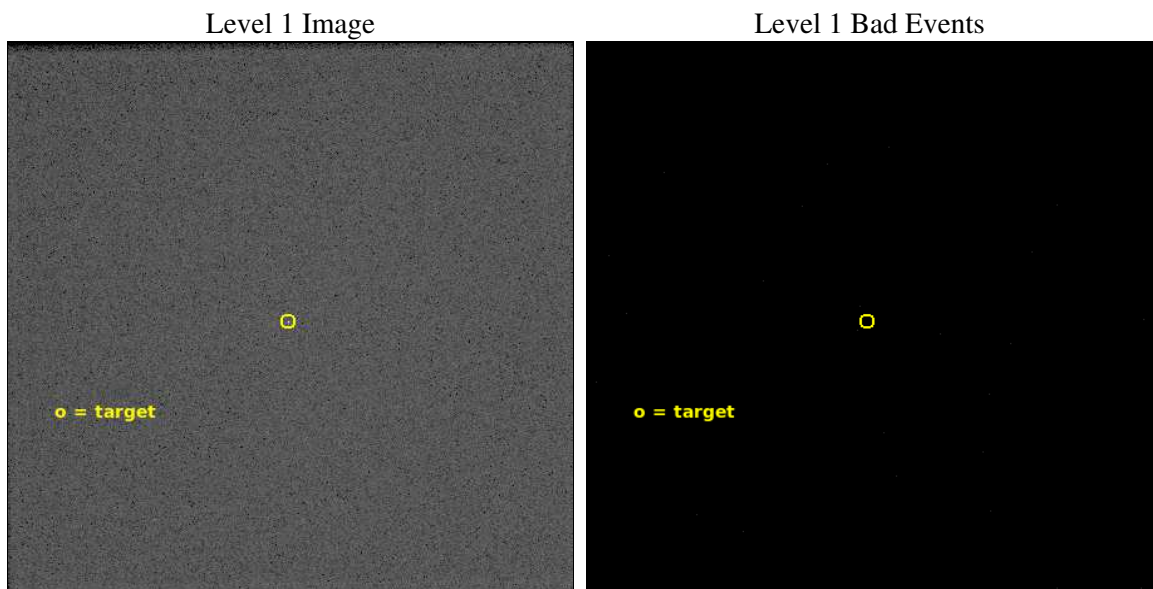
seq_num	700931	Sequence number
obs_id	4849	Observation id
title	EXTENDED EMISSION AND ACCRETION RATES IN BL LACERTAE OBJECTS	Propo
observer	Dr. Rita Sambruna	Principal investigator
object	H 0323+022	Source name
ra_targ	51.558333	Observer's specified target RA [deg]
dec_targ	2.42075	Observer's specified target Dec [deg]
ra_nom	51.556442295759	Nominal RA [deg]
dec_nom	2.4169546563945	Nominal Dec [deg]
roll_nom	314.34533455845	Nominal Roll [deg]
revision	5	Processing version of data
ontime	20183.275907725	[s]
livetime	20023.639016842	Ontime multiplied by DTCOR
l2events	816825	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	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20183.275907725	[s]
caldbver	4.9.2	 	l1events	1282662	Number of level 1 events
date	2020-10-05T11:25:32	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

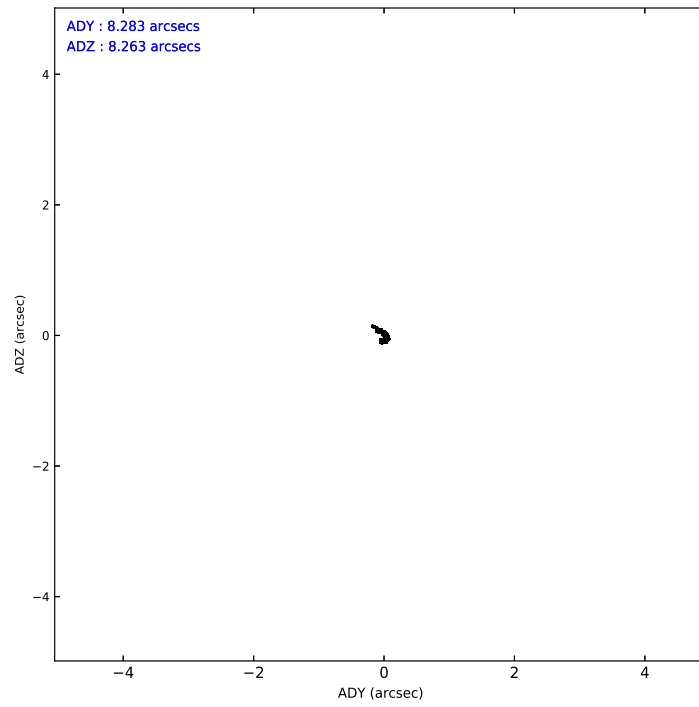
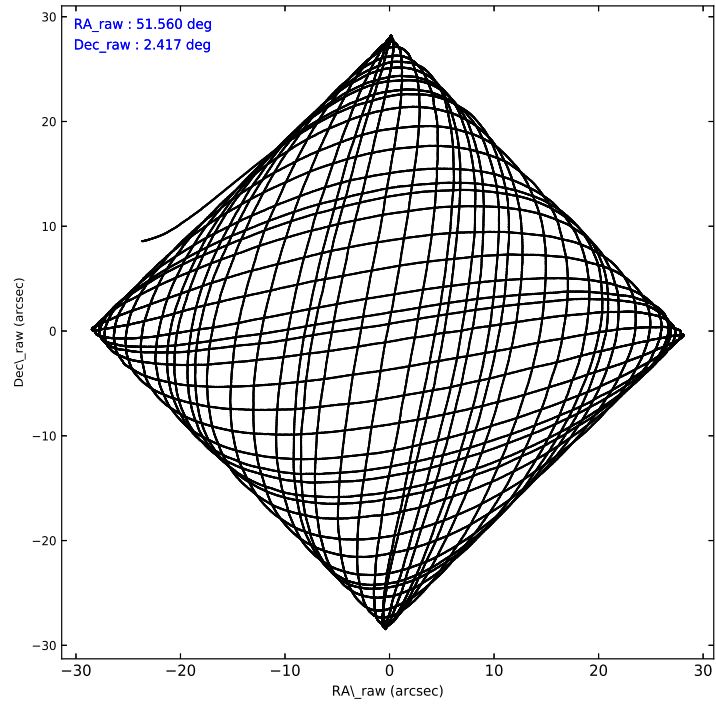
	segment 0
level 1 events	1282662
rejected events	65200
rejected %	5%

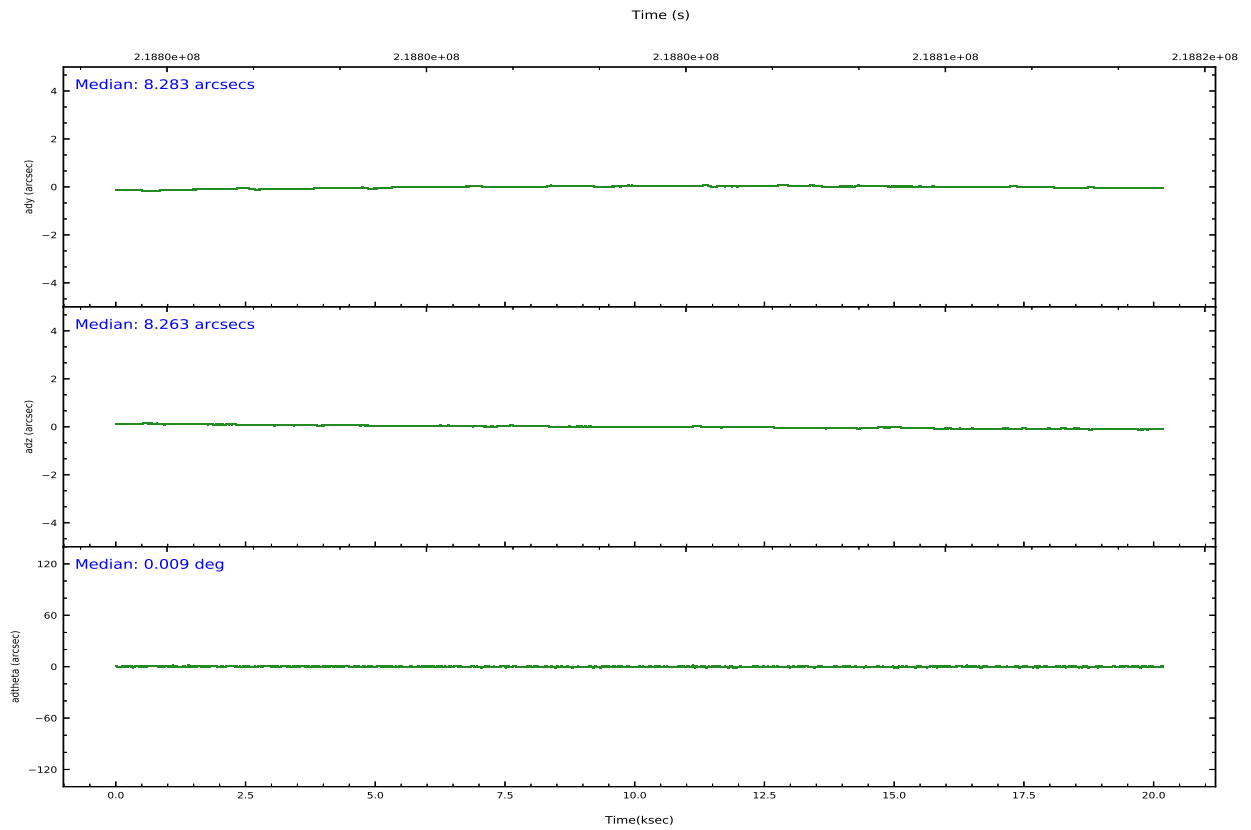
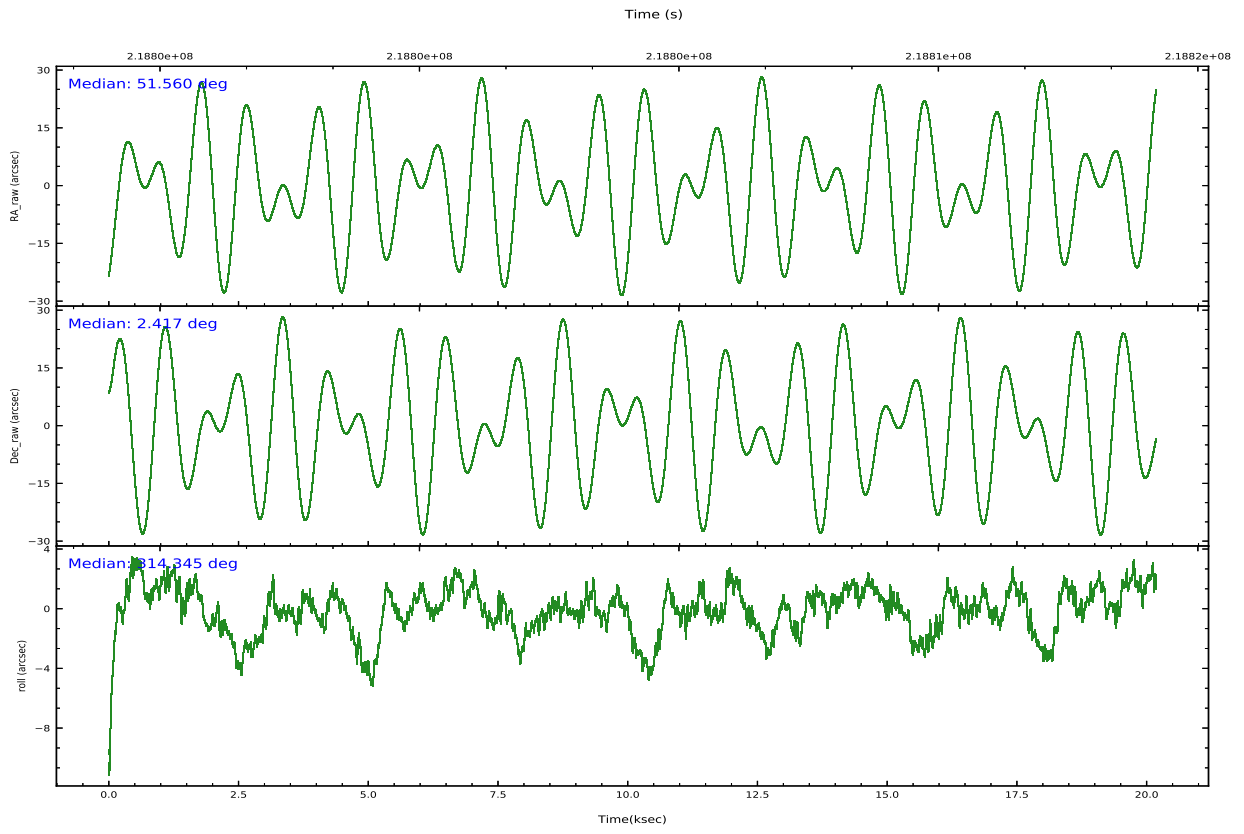
2.2 Compared Parameters

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	51.533585	51.556442295759
[deg] Pointing Dec	2.423583	2.4169546563945
[deg] Pointing Roll	314.457833	314.34533455845
[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)	218794196.184000	218793080.34102
Observation start date	2004-12-07T08:08:52	2004-12-07T07:51:20
[s] Observation end time (MET)	218814196.184000	218815119.89201
Observation end date	2004-12-07T13:42:12	2004-12-07T13:58:39

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

2.3 Aspect





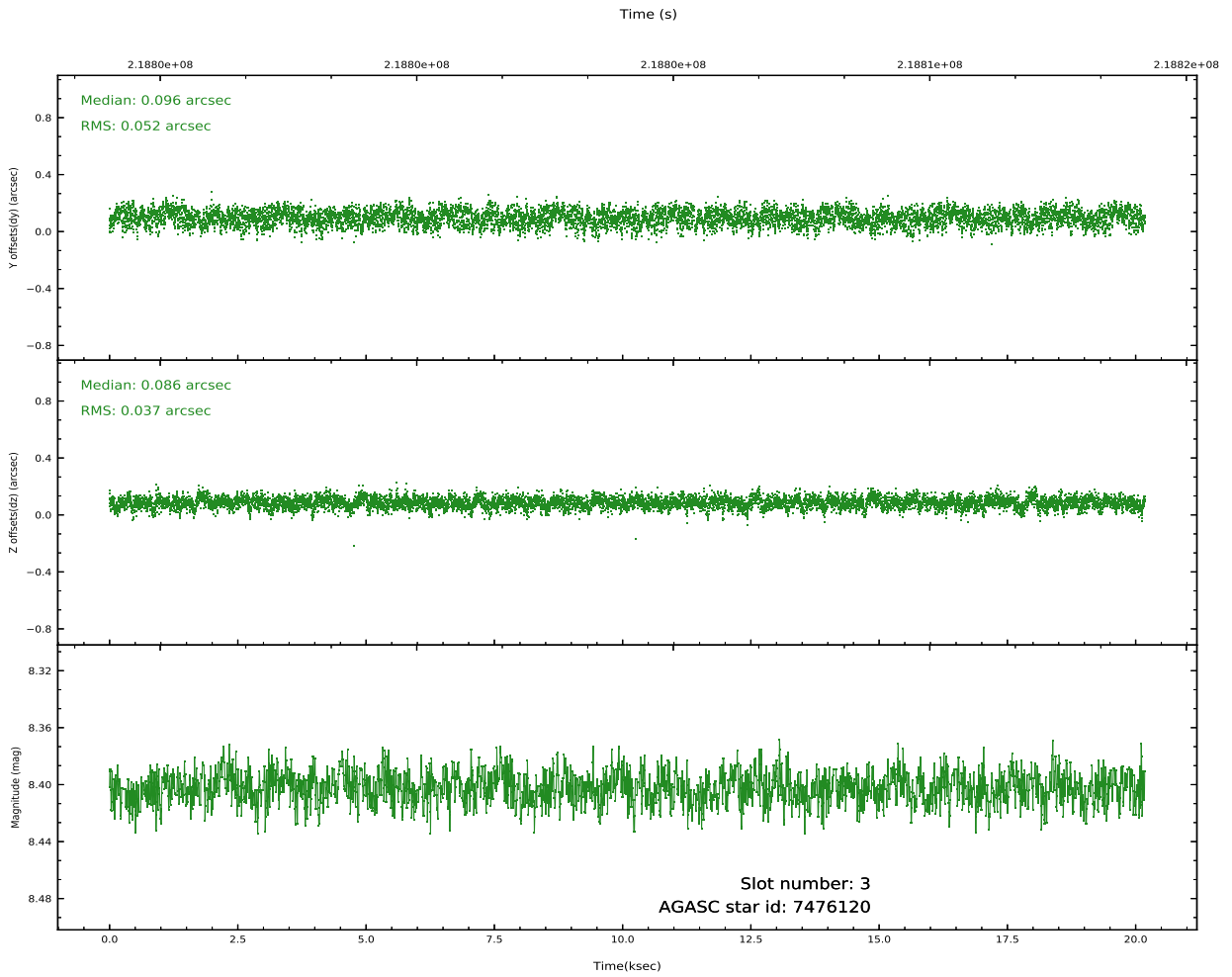
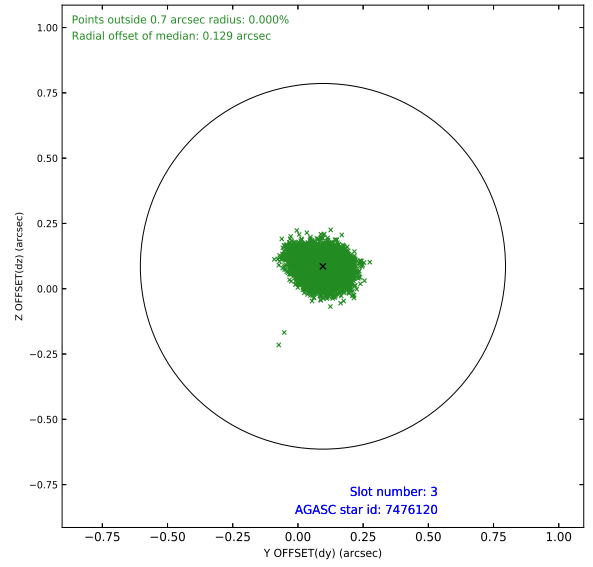
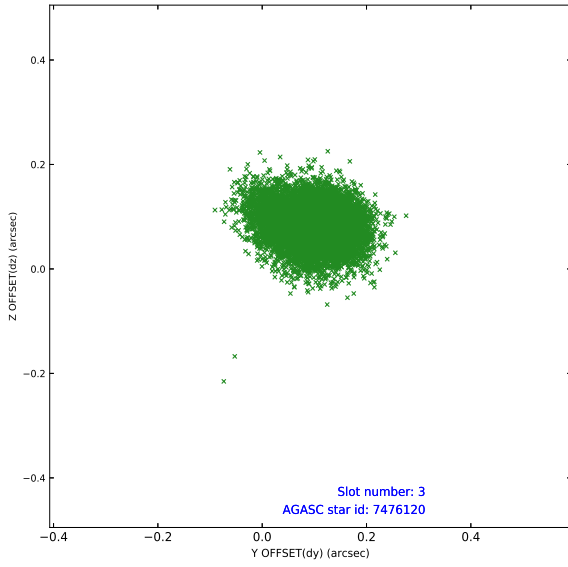
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-I-1	6.98	4923	1.000	-0.016	0.042	0.007	0.012	0.000000	0.000000	-763.91	-1296
1	FID		HRC-I-2	7.02	4923	1.000	0.167	-0.126	0.006	0.010	0.000000	0.000000	848.75	-1298
2	FID		HRC-I-3	7.06	4922	1.000	-0.031	-0.005	0.006	0.012	0.000000	0.000000	-1192.23	1008
3	GUIDE	used	7476120	8.40	9842	1.000	0.096	0.086	0.068	0.111	51.598894	1.672348	2095.72	-1725
4	GUIDE	used	7479672	7.69	9846	1.000	-0.029	-0.060	0.064	0.101	51.109761	2.090101	-210.27	-1929
5	GUIDE	used	7480696	8.92	9843	1.000	-0.149	-0.003	0.076	0.122	50.675704	2.468615	-2276.91	-2088
6	GUIDE	used	7482088	7.82	9846	1.000	0.140	-0.050	0.061	0.098	51.807690	2.280173	1059.43	342
7	GUIDE	used	7867360	9.16	9845	1.000	-0.055	0.032	0.084	0.136	51.860417	2.901354	-404.62	2043

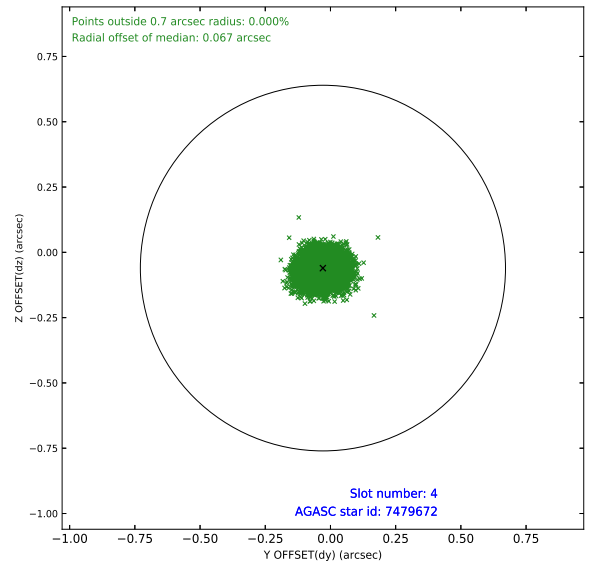
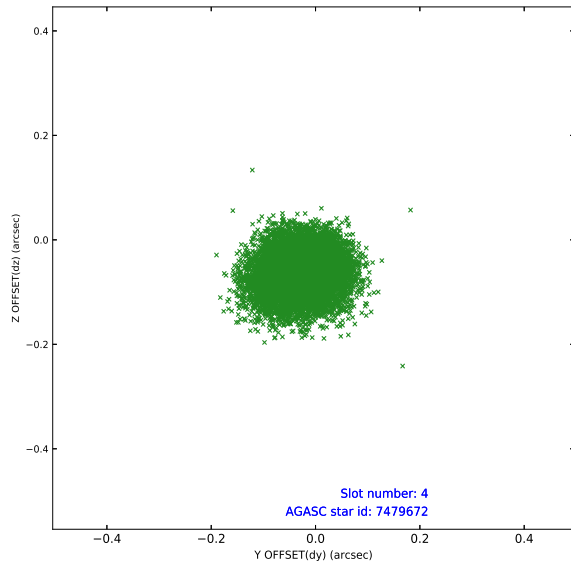
∞

2.4 Star Slots

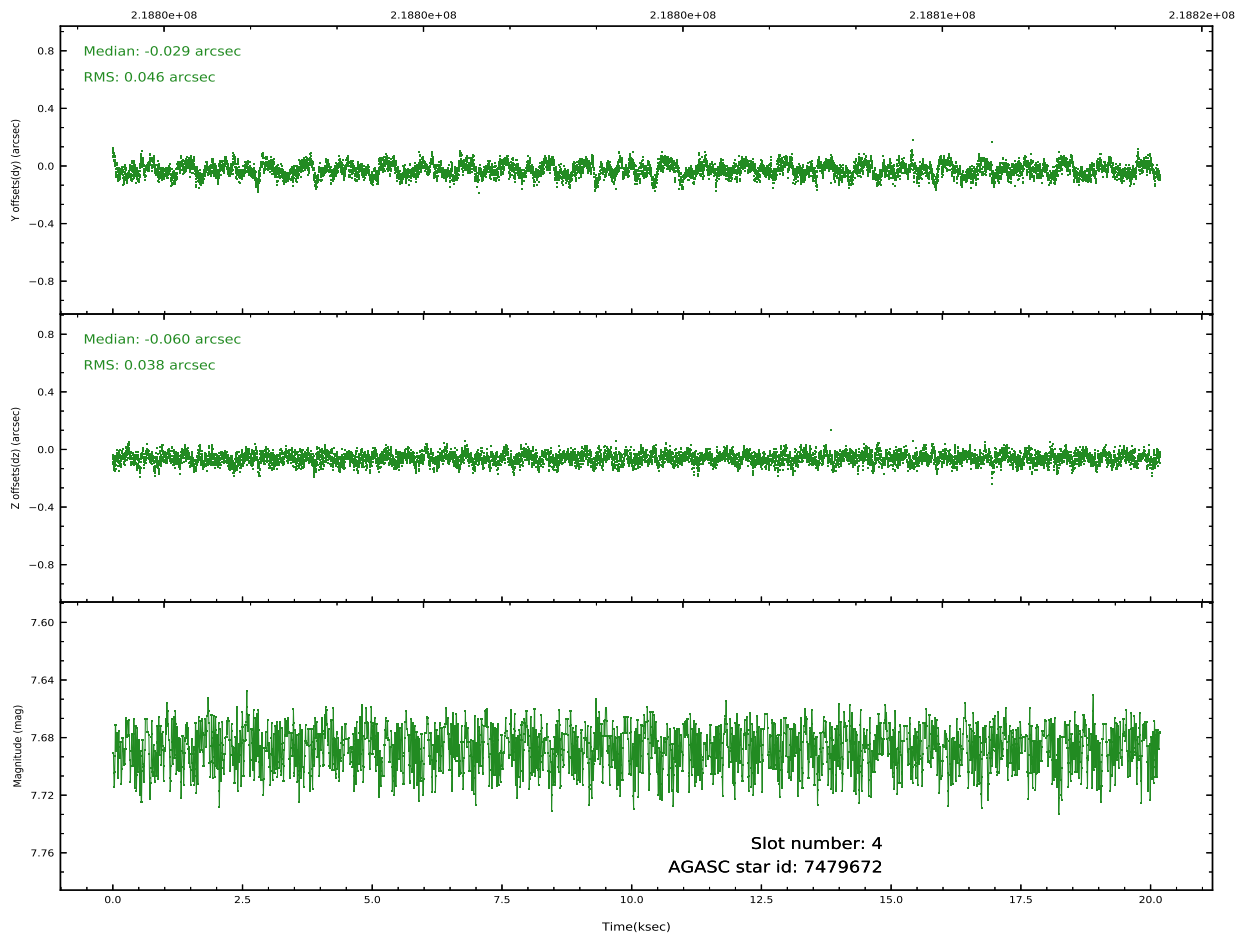
2.4.1 Slot 3



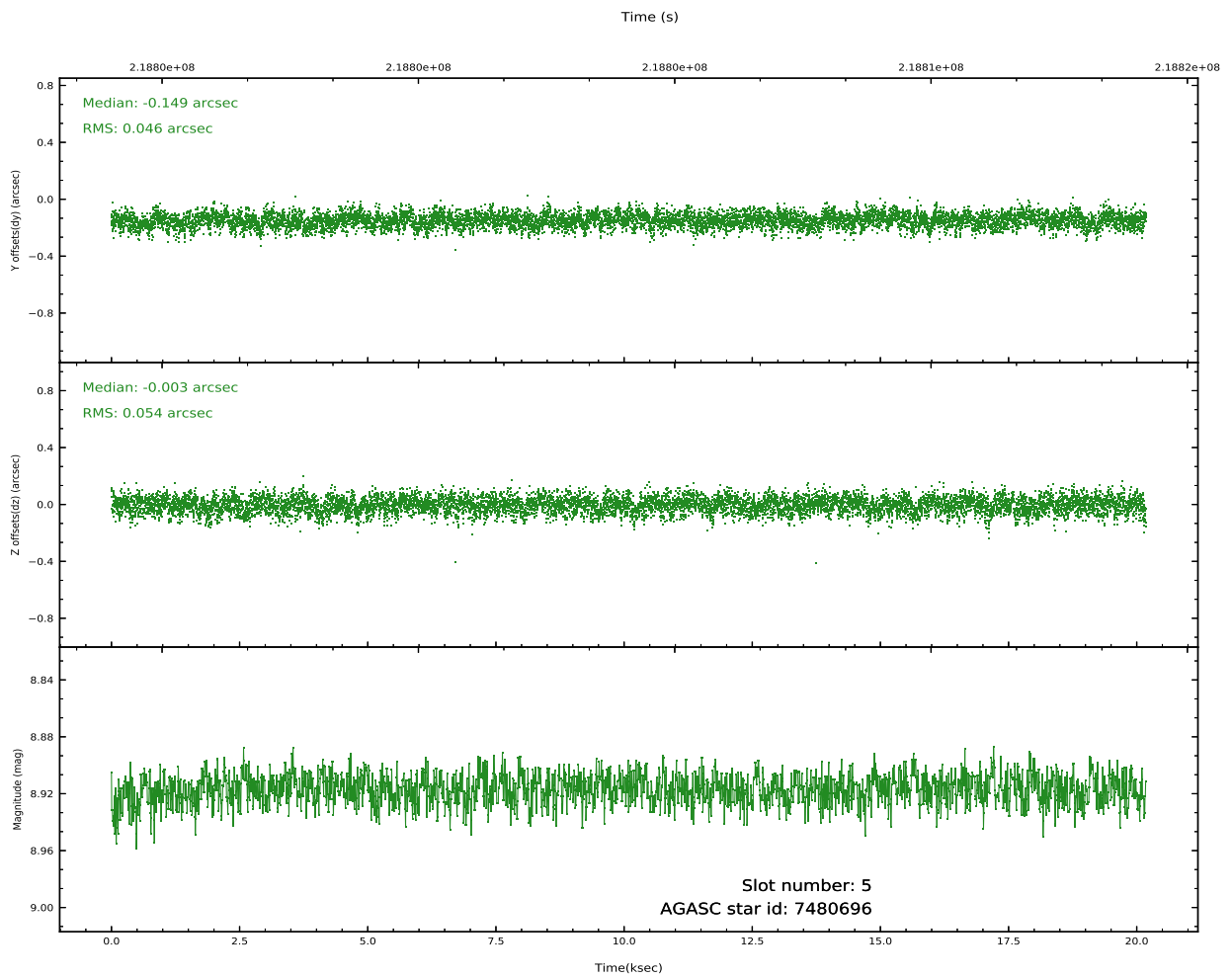
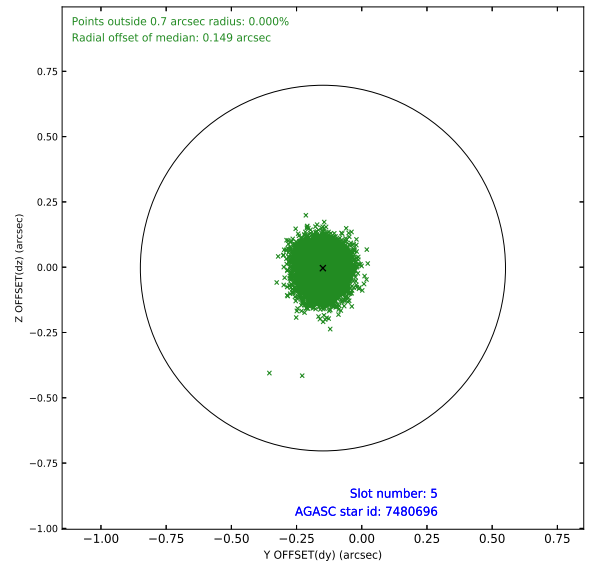
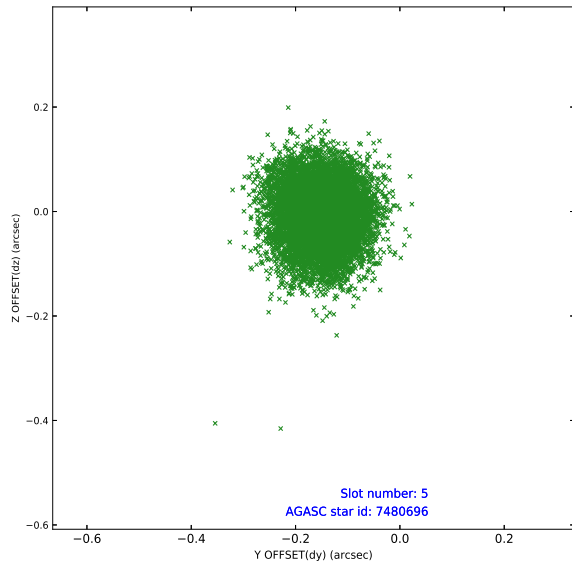
2.4.2 Slot 4



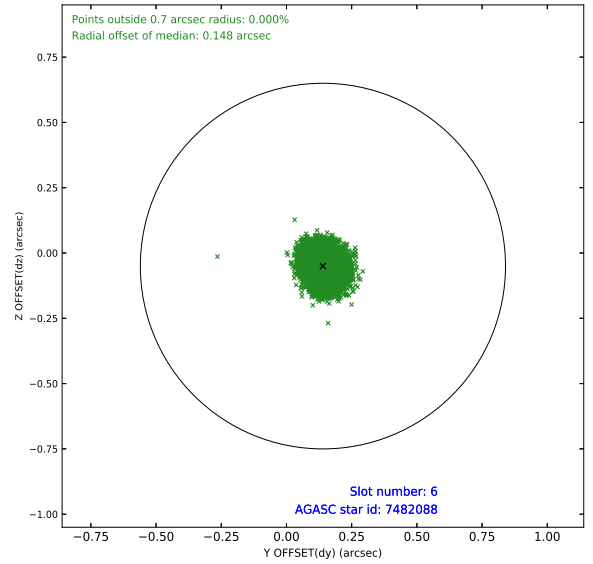
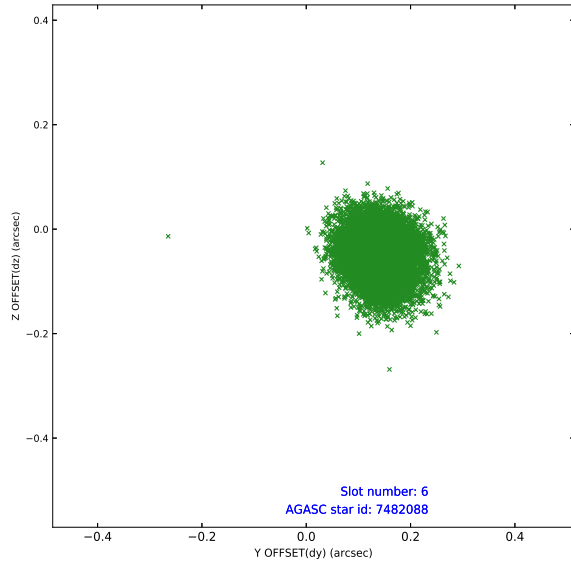
Time (s)



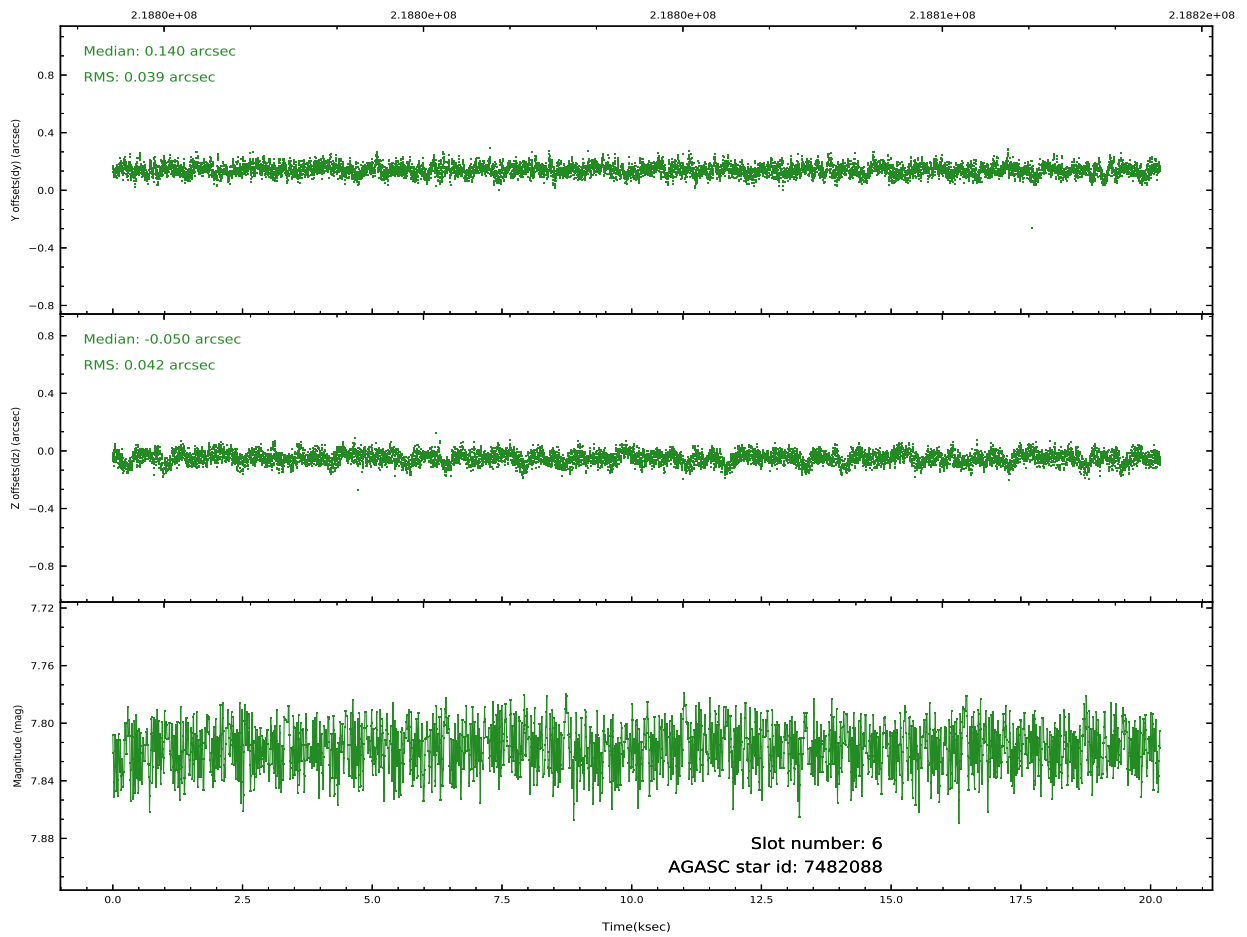
2.4.3 Slot 5



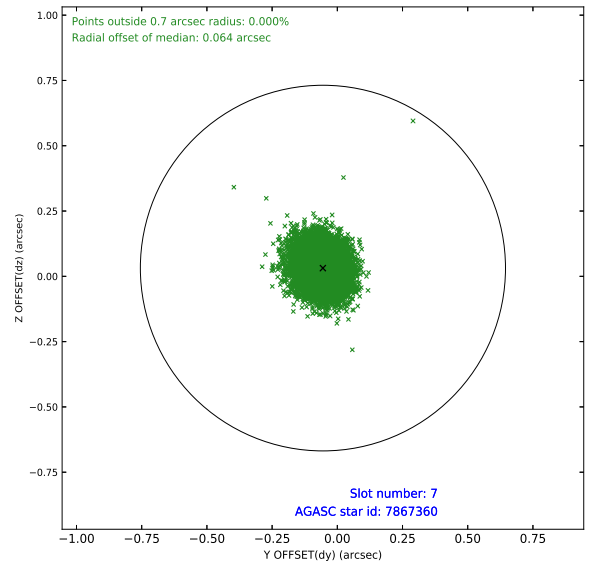
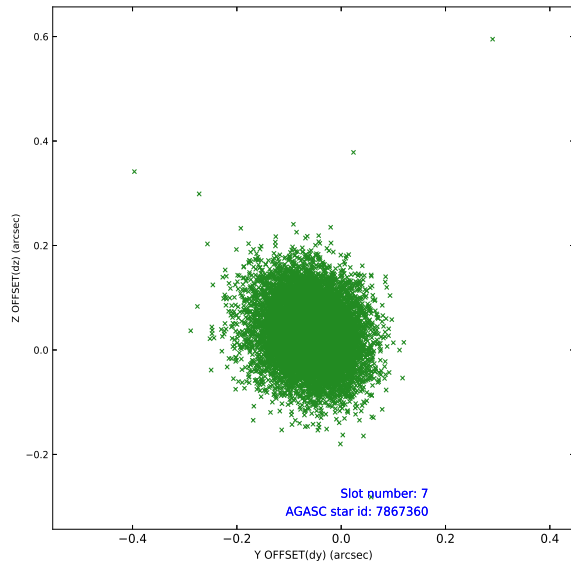
2.4.4 Slot 6



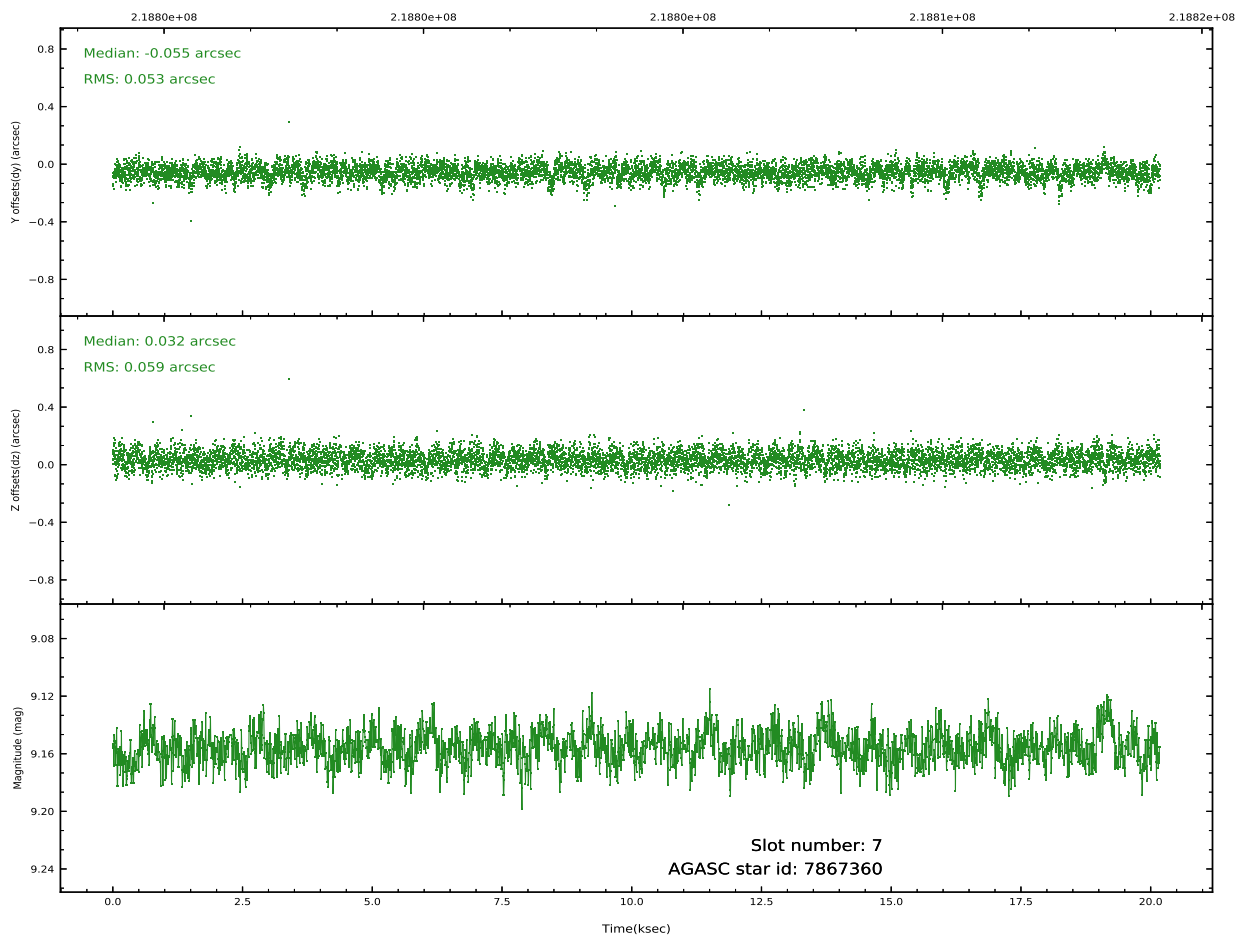
Time (s)



2.4.5 Slot 7

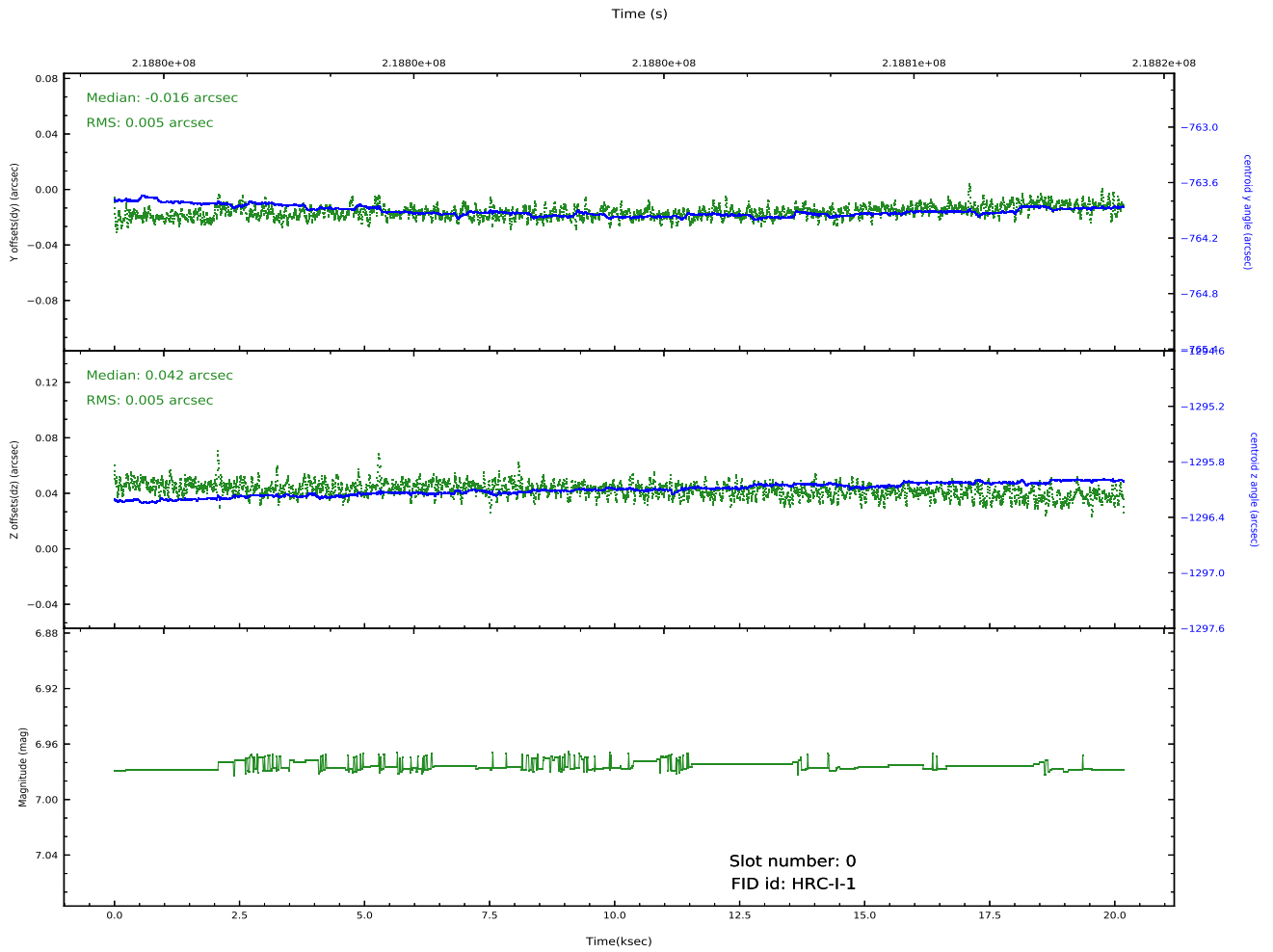
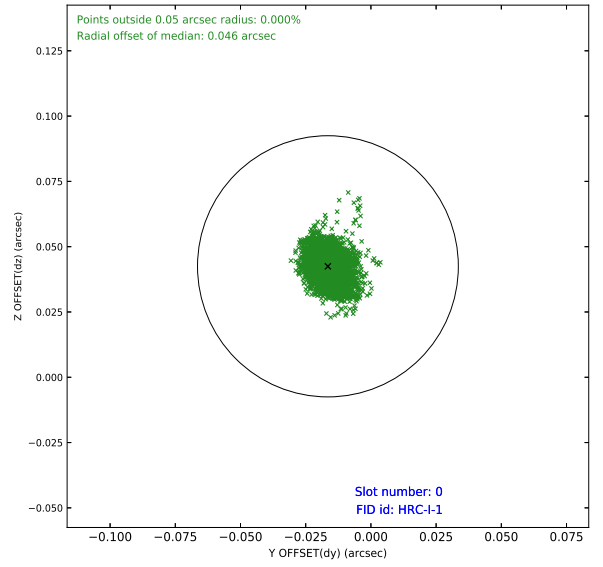
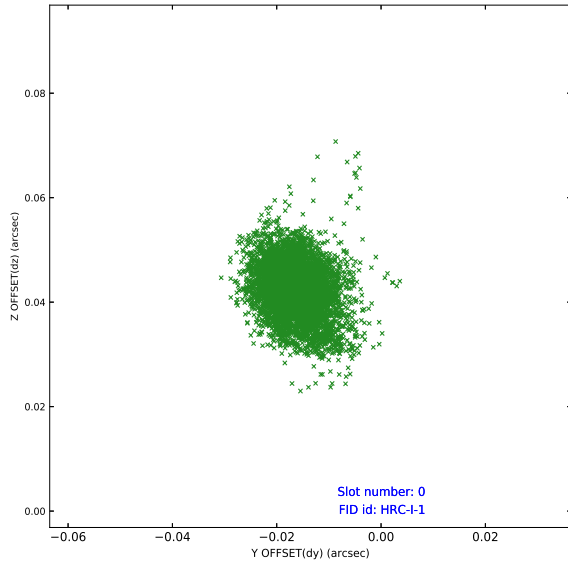


Time (s)

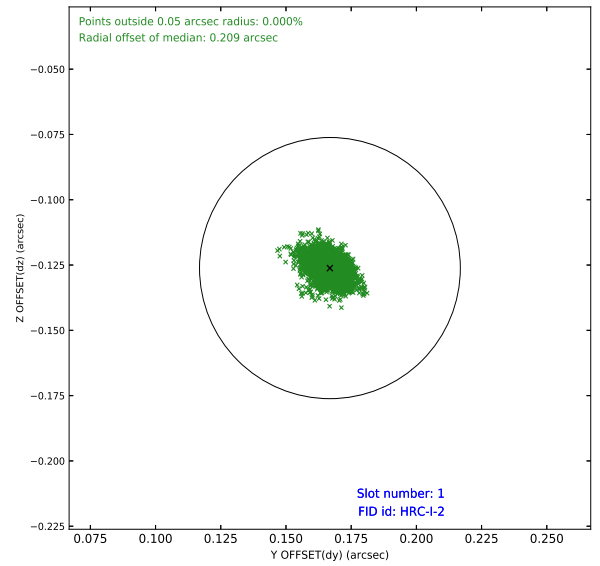
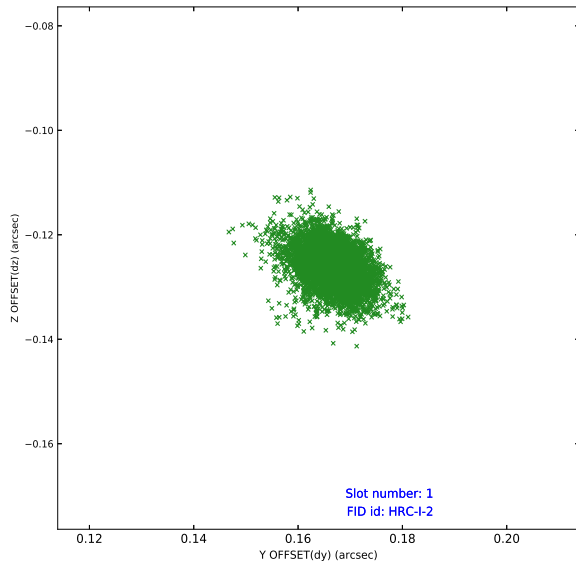


2.5 FID Slots

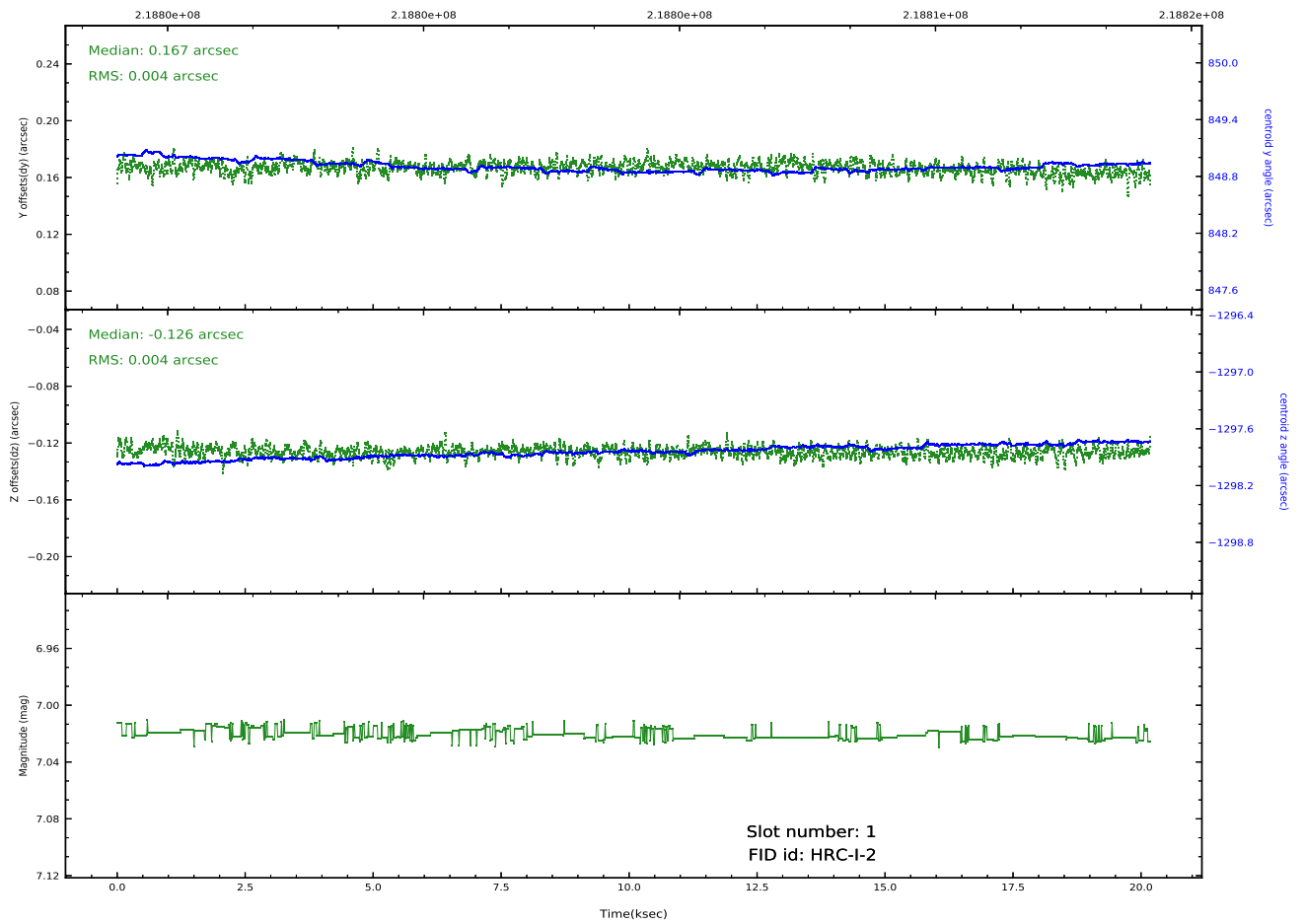
2.5.1 Slot 0



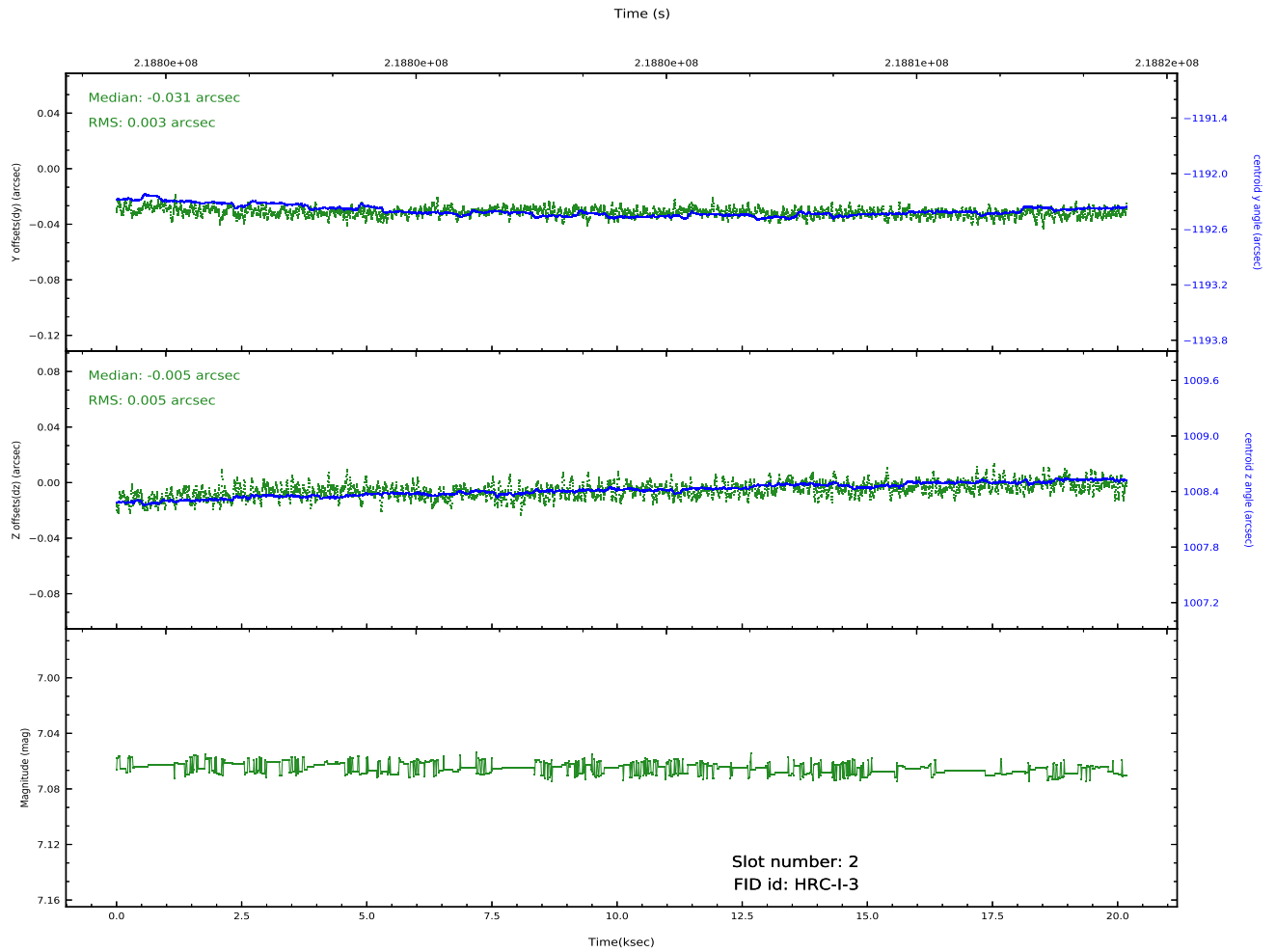
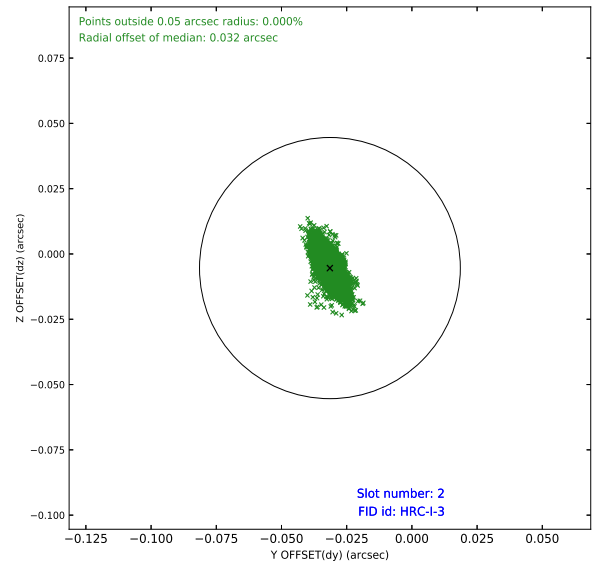
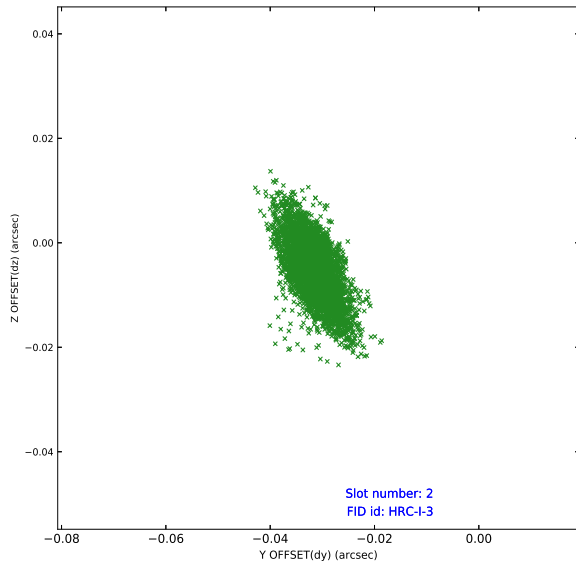
2.5.2 Slot 1



Time (s)



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	20.1832759

A.2 Comments