

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5167 - L2 Version 5
Chandra X-Ray Center

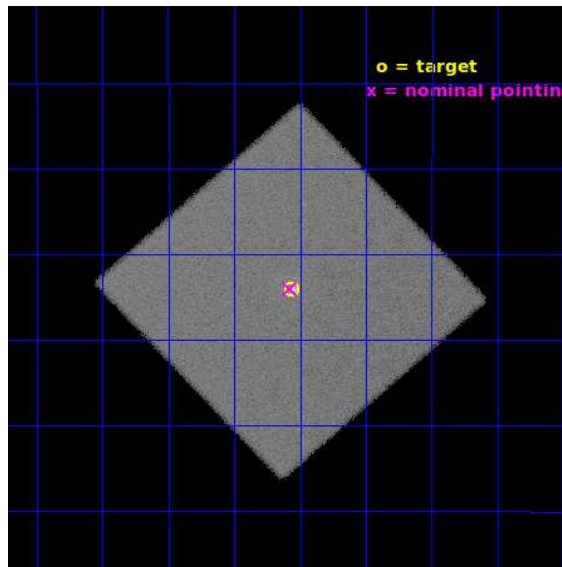
L2 Processing Date : Sep 24 2020

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1 Front

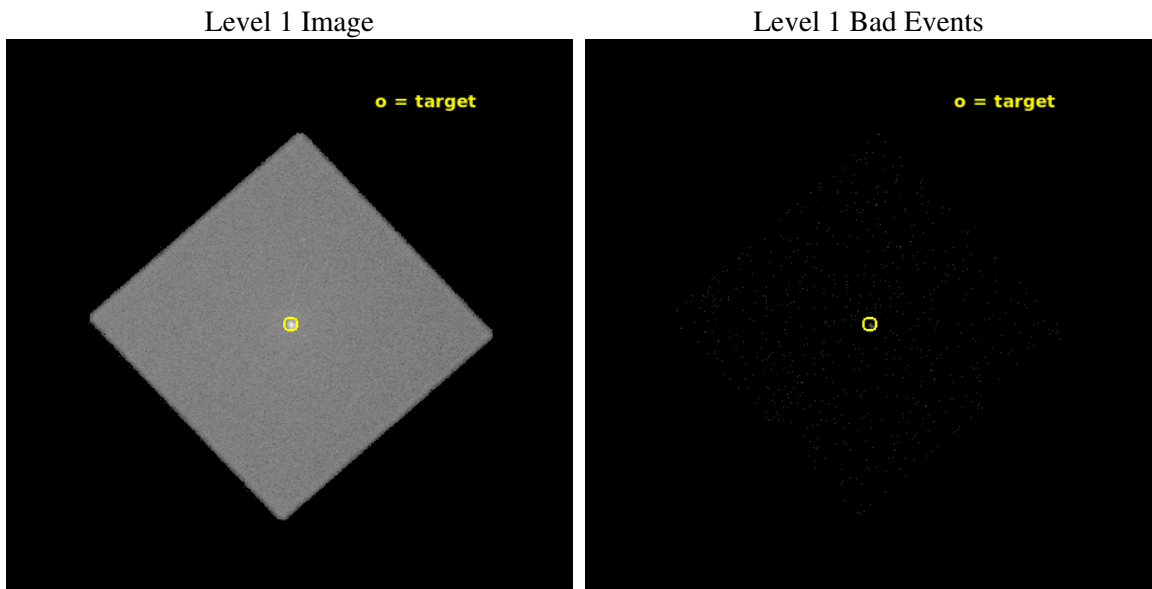
seq_num	590365	Sequence number
obs_id	5167	Observation id
title	AO5A Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	SNR G21.5-0.9	Source name
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.3941074993	Nominal RA [deg]
dec_nom	-10.566944652683	Nominal Dec [deg]
roll_nom	92.595350119187	Nominal Roll [deg]
revision	5	Processing version of data
ontime	19183.132092774	[s]
livetime	19069.396228105	Ontime multiplied by DTCOR
l2events	594818	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	19200.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	19183.132092774	[s]
caldsver	4.9.2	 	l1events	893775	Number of level 1 events
date	2020-09-24T12:10:05	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

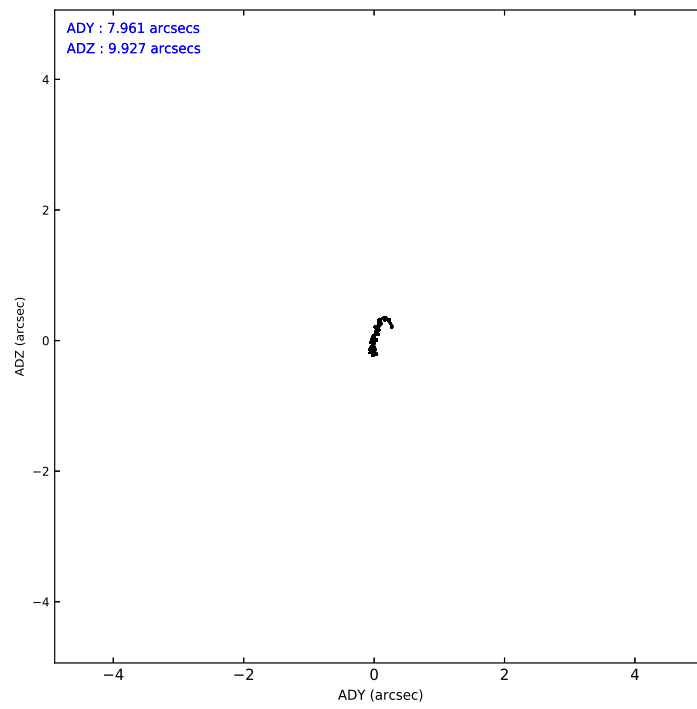
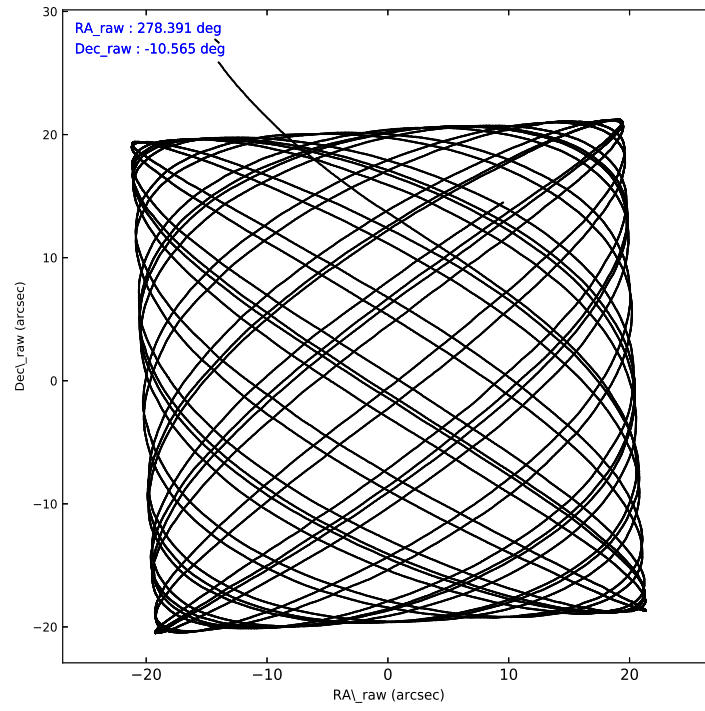
Level 1 Events

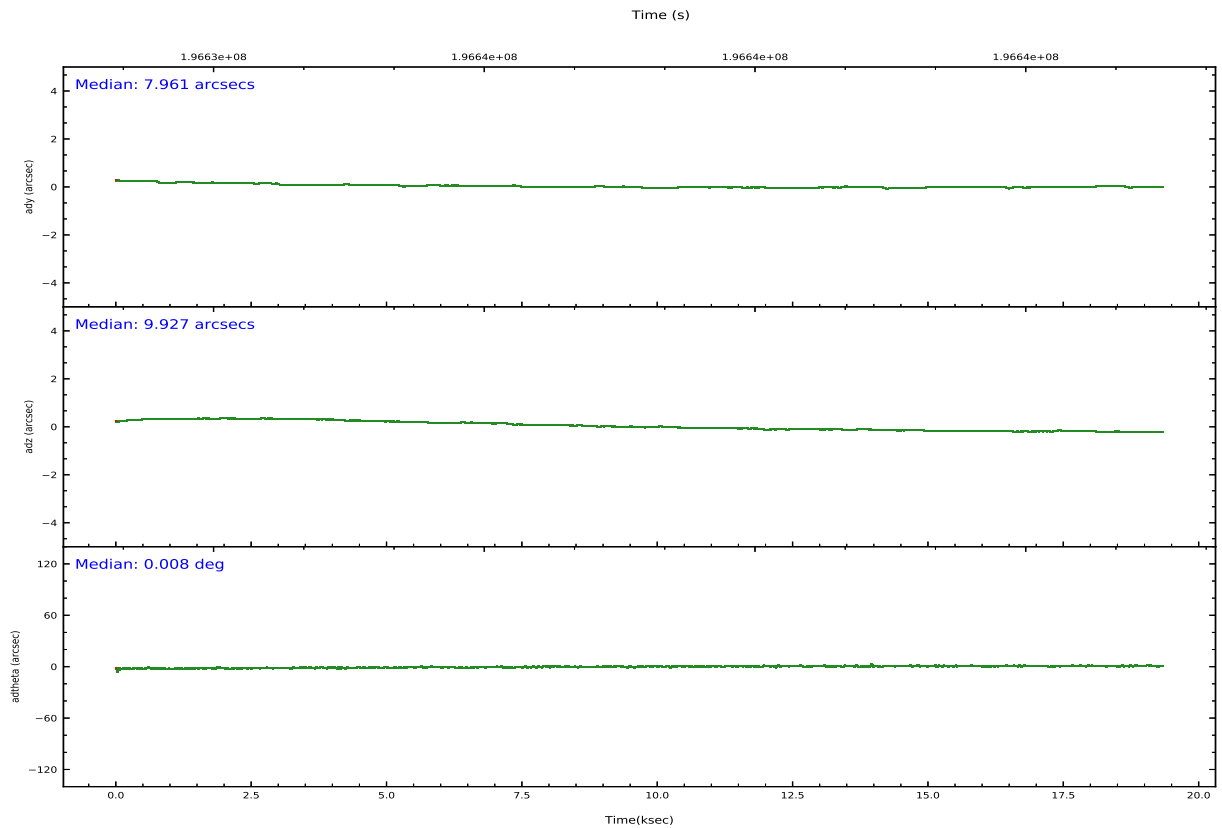
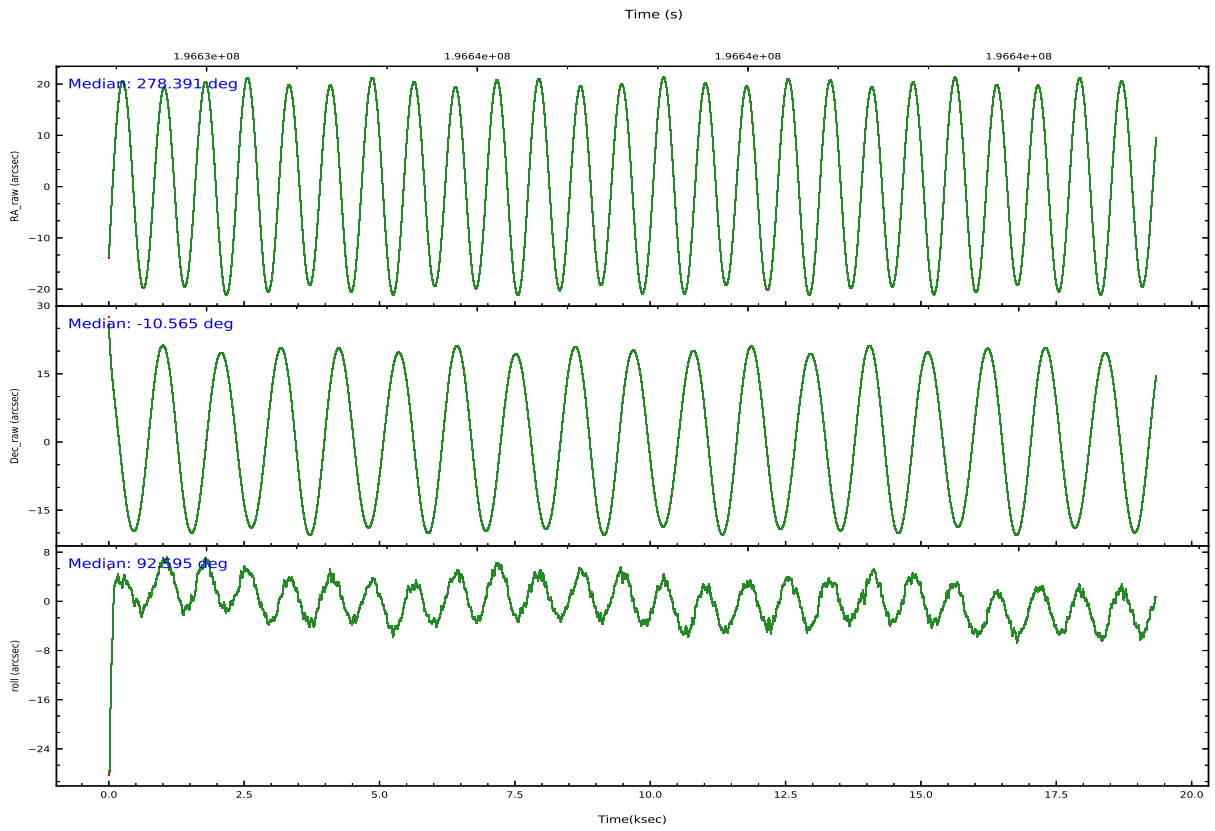
	segment 0
level 1 events	893775
rejected events	8442
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	278.406431	278.3941074993			
[deg] Pointing Dec	-10.587100	-10.566944652683			
[deg] Pointing Roll	92.703092	92.595350119187			
[s] Window start time (MET)	194486464.184000	194486464.184000			
[s] Window stop time (MET)	197078464.184000	197078464.184000			
[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)	196628339.184000	196627412.33077			
Observation start date	2004-03-25T18:57:55	2004-03-25T18:43:32			
[s] Observation end time (MET)	196647539.184000	196647678.11916			
Observation end date	2004-03-26T00:17:55	2004-03-26T00:21:18			

2.3 Aspect





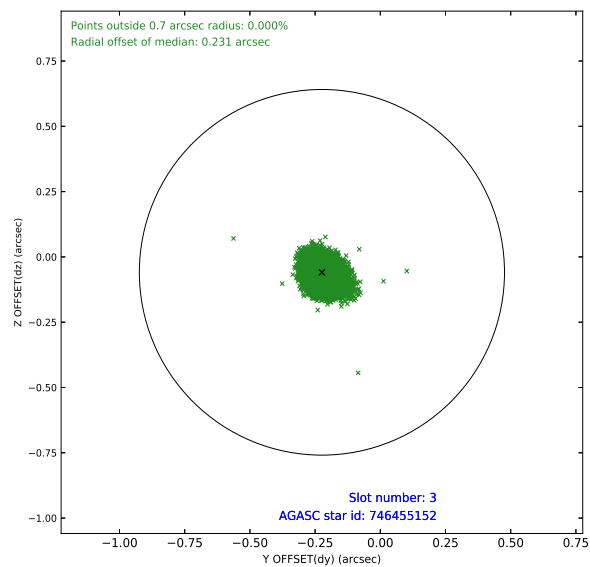
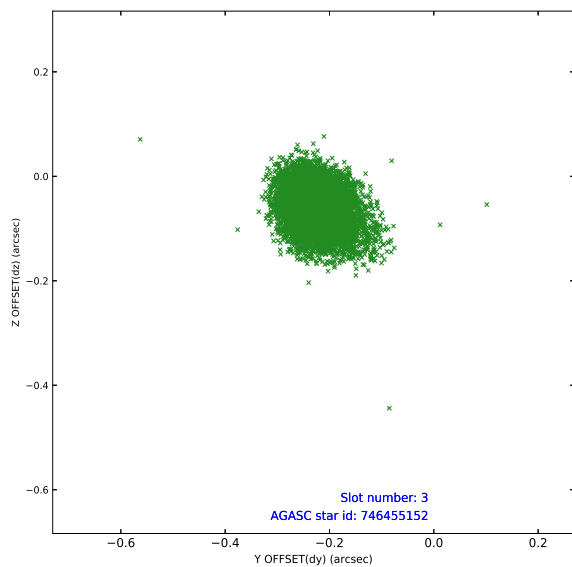
Slot Statistics

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	6.99	4719	1.000	-0.044	0.009	0.011	0.017	0.000000	0.000000	-763.63	-1297
1	FID		HRC-I-2	7.03	4719	1.000	0.153	-0.072	0.008	0.013	0.000000	0.000000	849.03	-1299
2	FID		HRC-I-3	7.08	4718	1.000	0.010	-0.026	0.007	0.012	0.000000	0.000000	-1191.91	1006
3	GUIDE	used	746455152	7.83	9435	1.000	-0.224	-0.059	0.053	0.090	278.447893	-9.976732	2188.40	-250
4	GUIDE	used	746460272	8.94	9436	1.000	-0.104	0.012	0.069	0.113	278.847488	-10.152127	1490.29	-1634
5	GUIDE	used	746461728	9.76	9428	1.000	0.023	0.070	0.125	0.207	278.986921	-10.530755	104.78	-2061
6	GUIDE	used	746462392	8.54	9435	1.000	0.139	0.121	0.080	0.128	279.038421	-10.890715	-1199.40	-2180
7	GUIDE	used	746462456	8.38	9434	1.000	0.168	-0.134	0.070	0.112	278.652171	-10.530173	163.56	-878

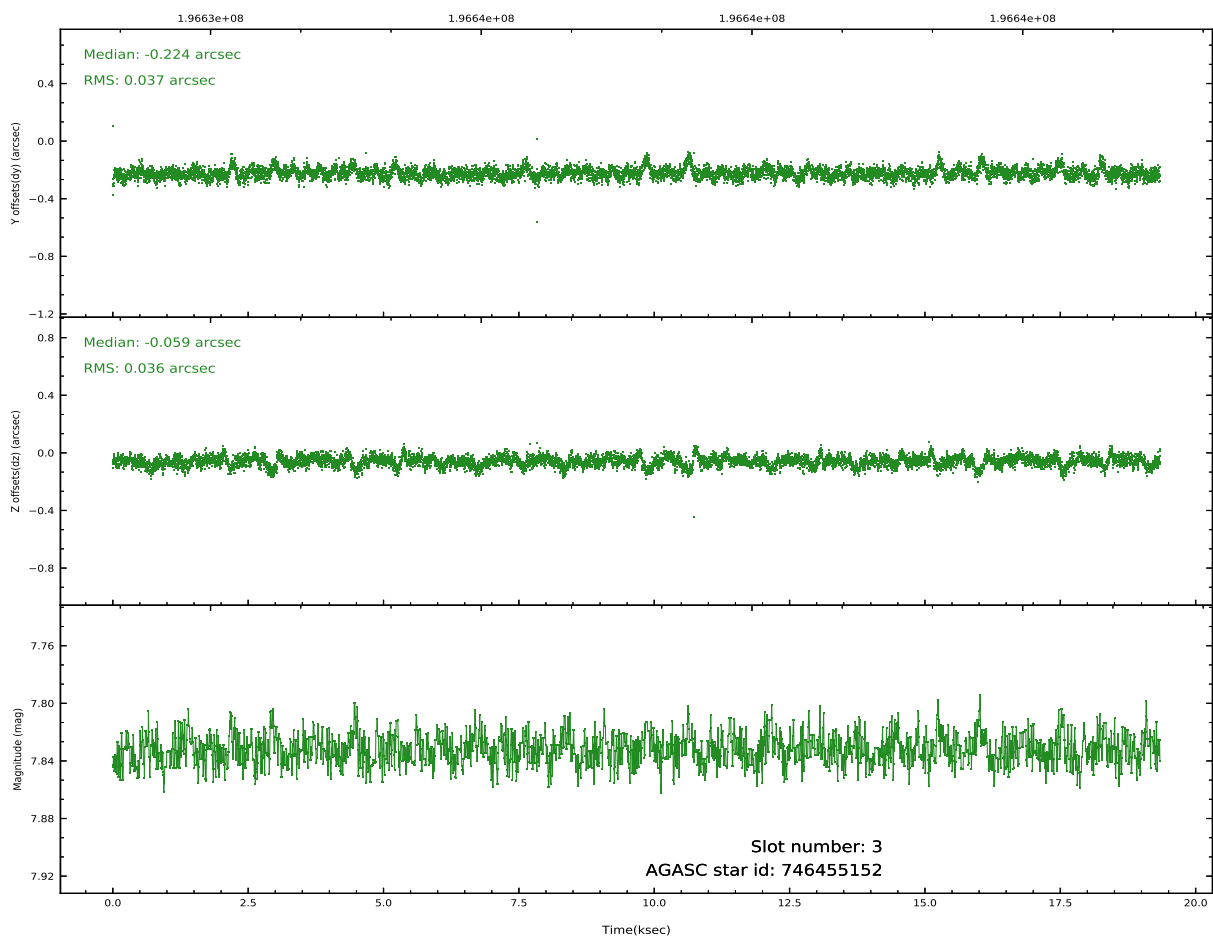
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2.4 Star Slots

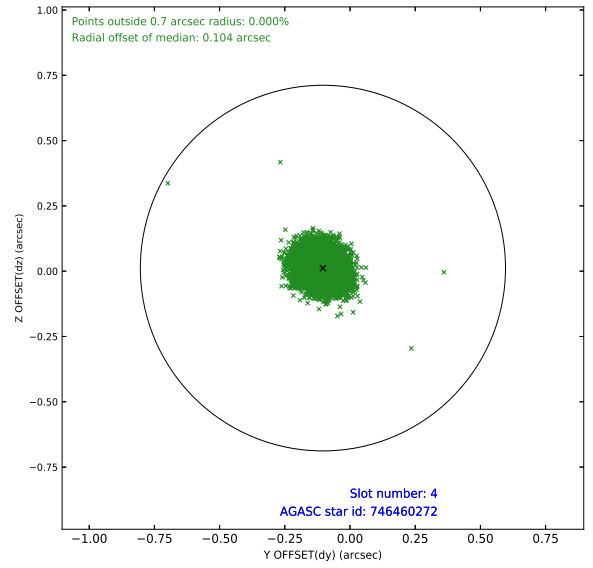
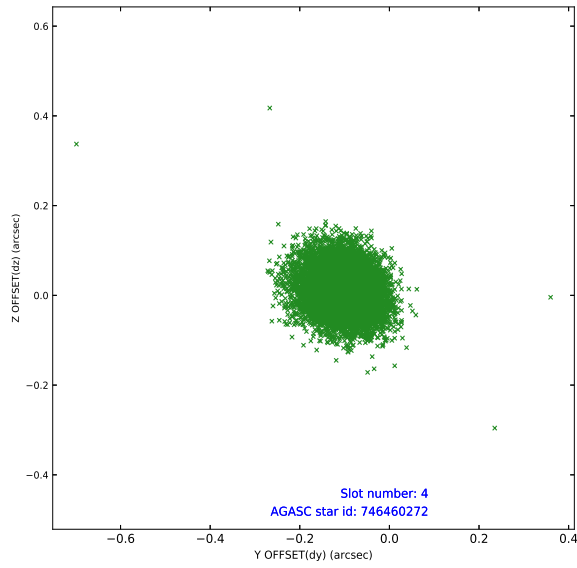
2.4.1 Slot 3



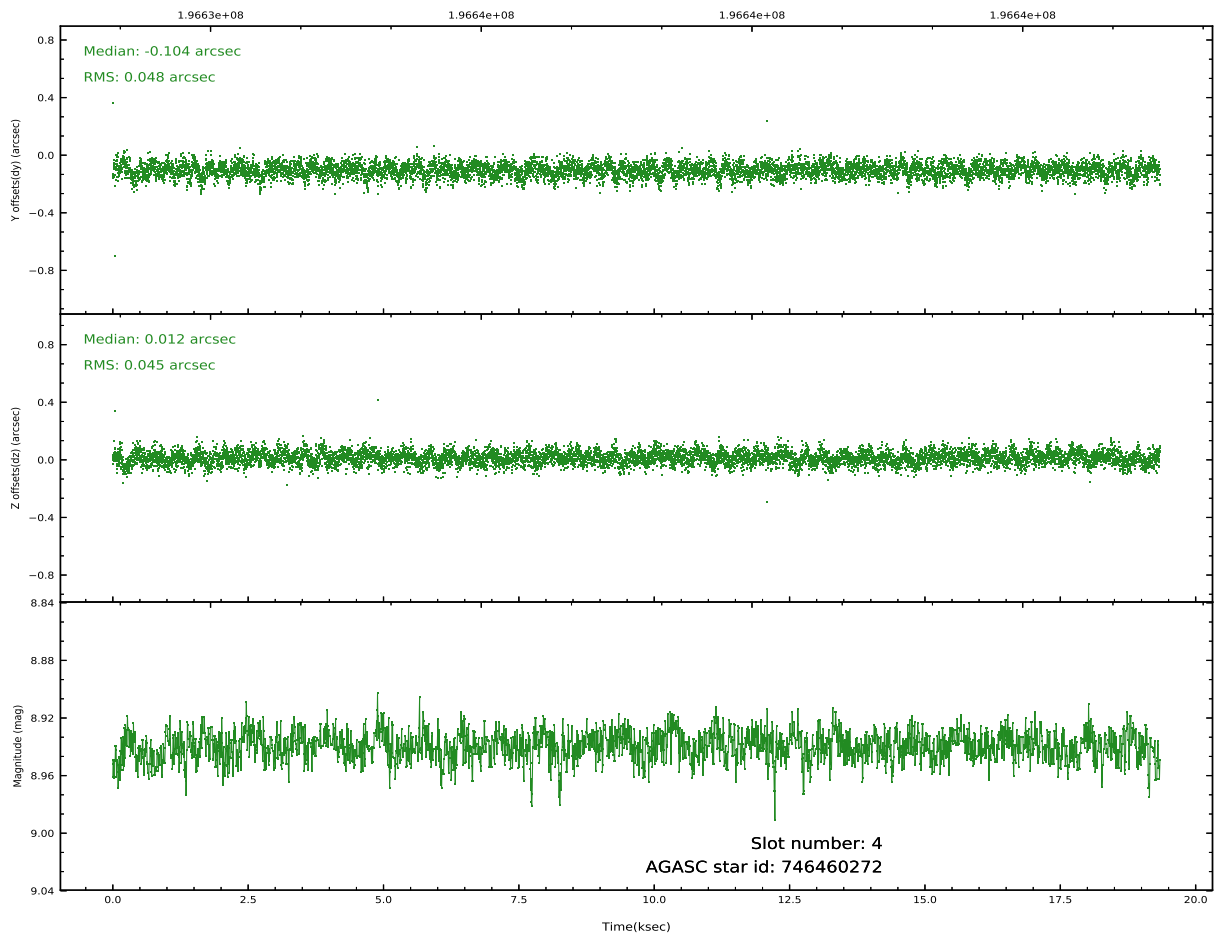
Time (s)



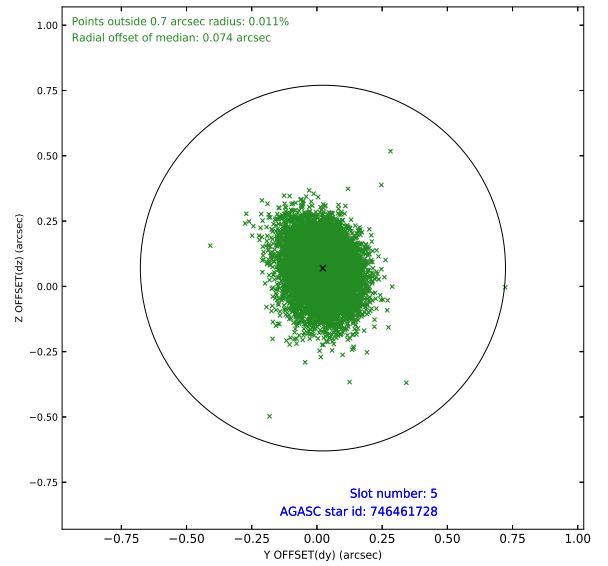
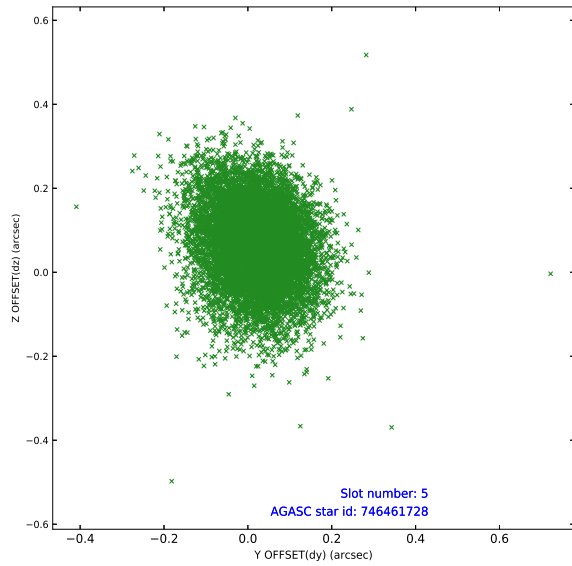
2.4.2 Slot 4



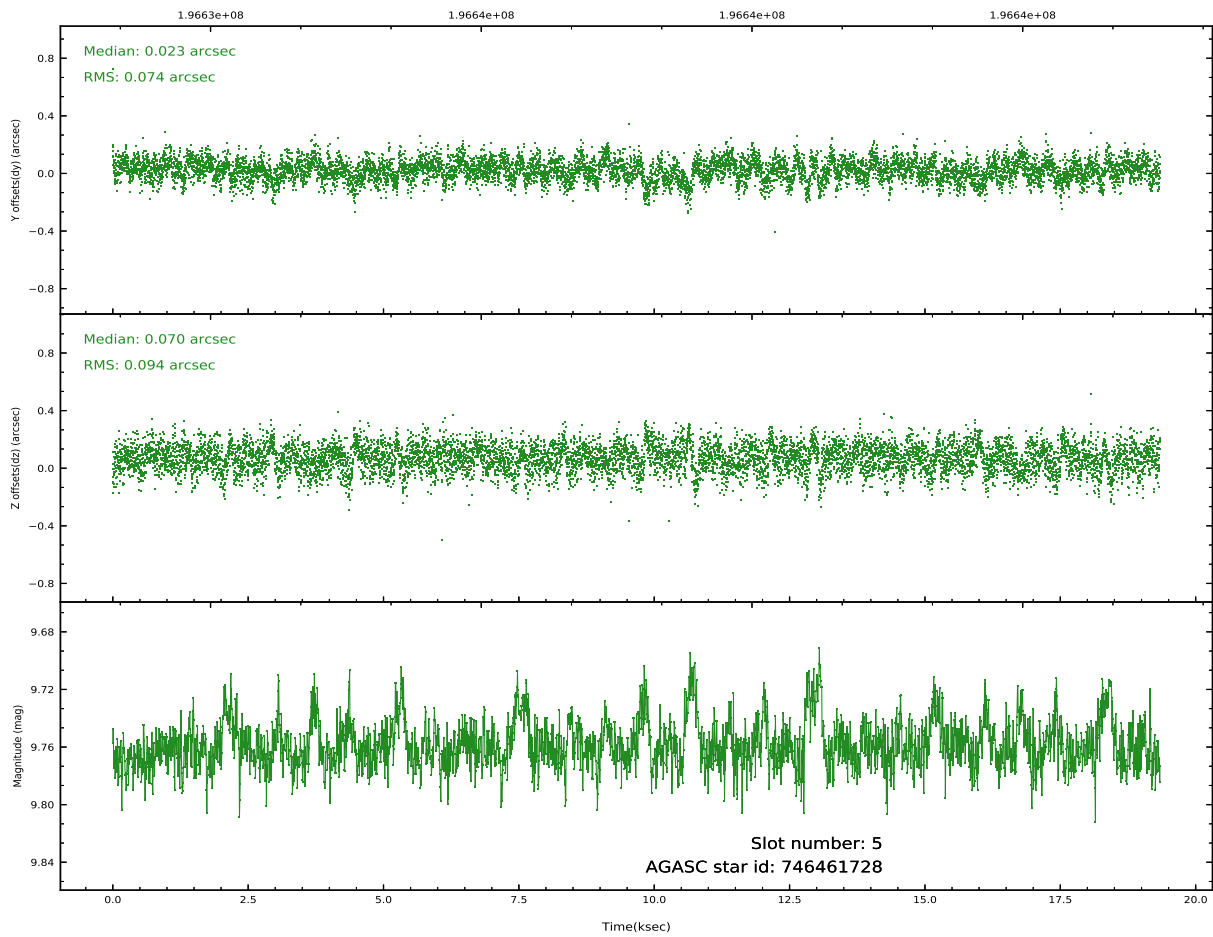
Time (s)



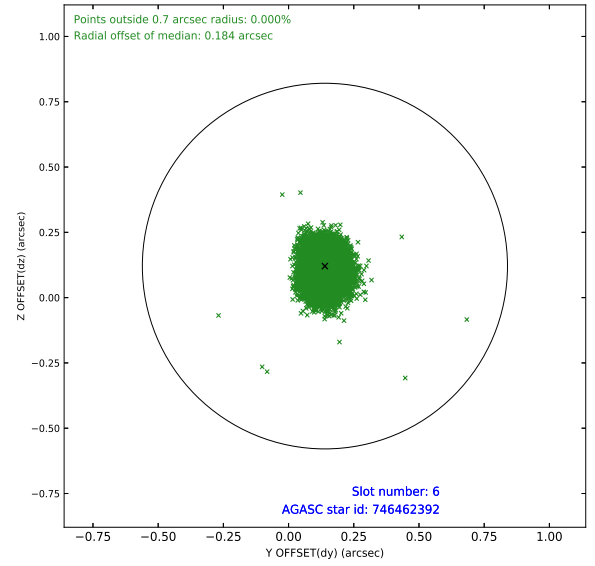
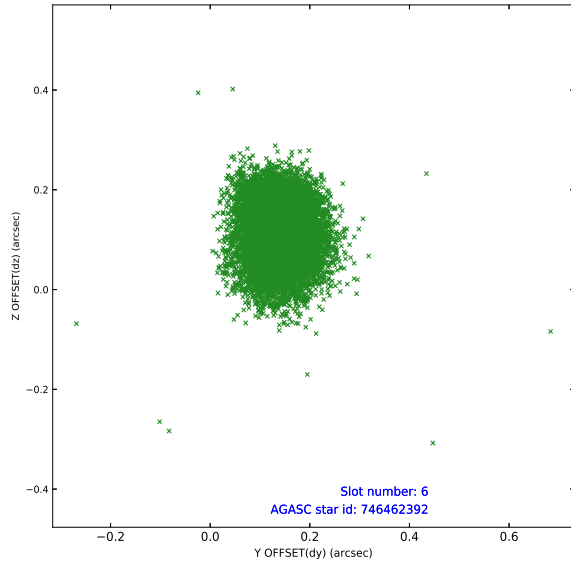
2.4.3 Slot 5



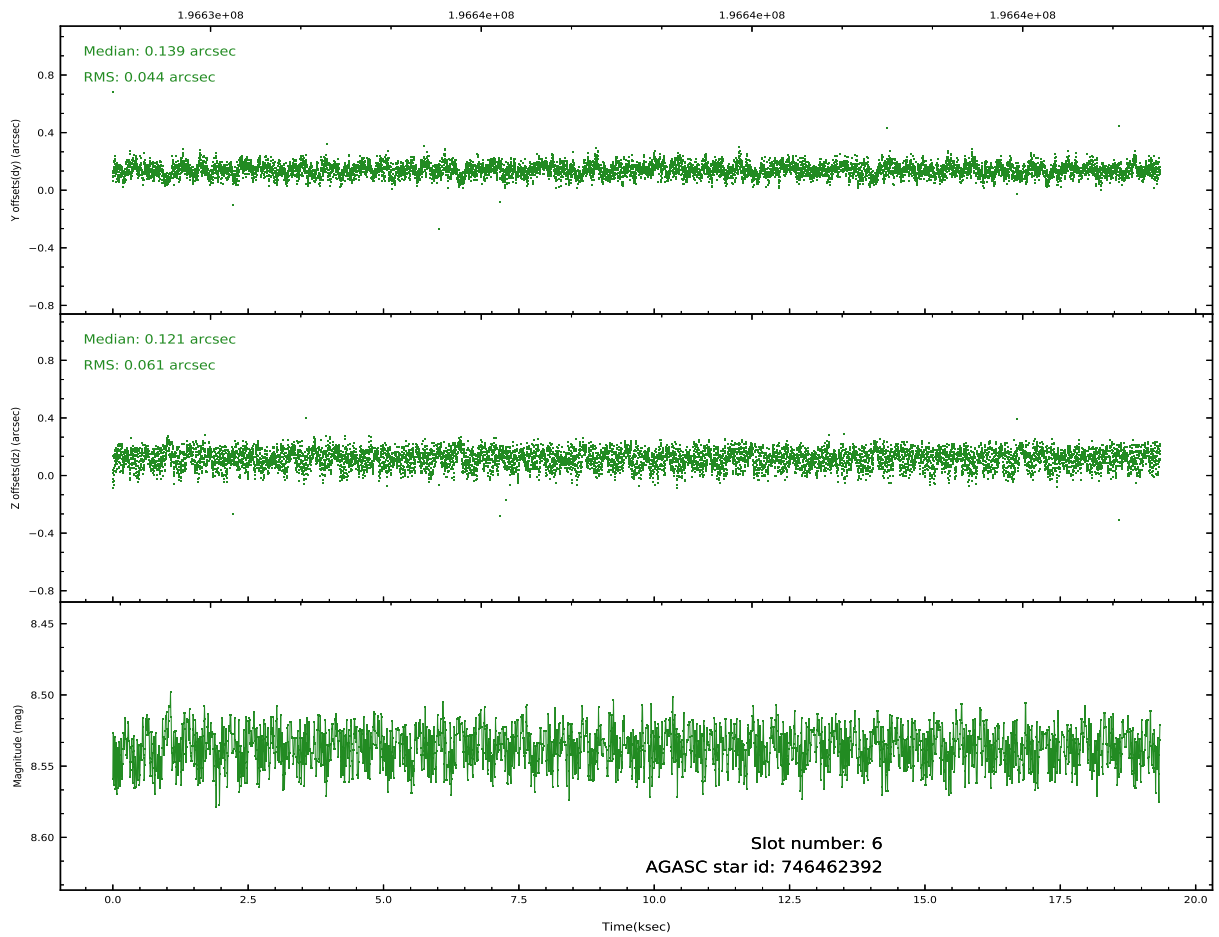
Time (s)



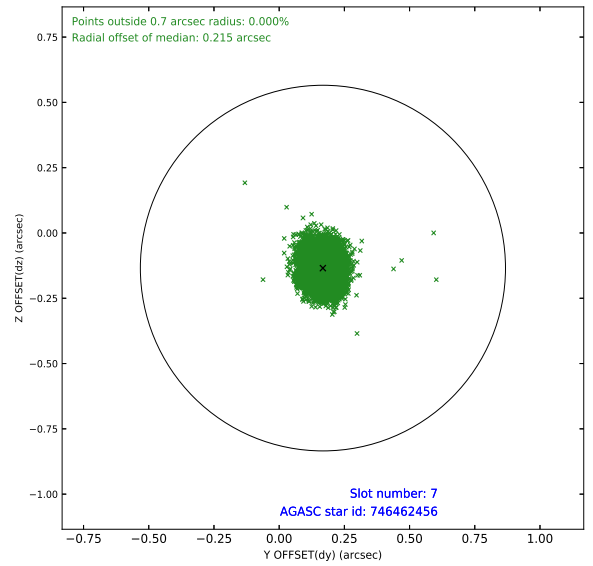
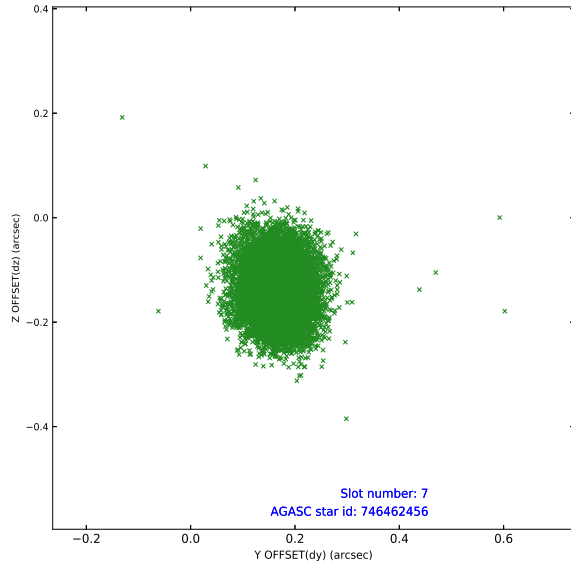
2.4.4 Slot 6



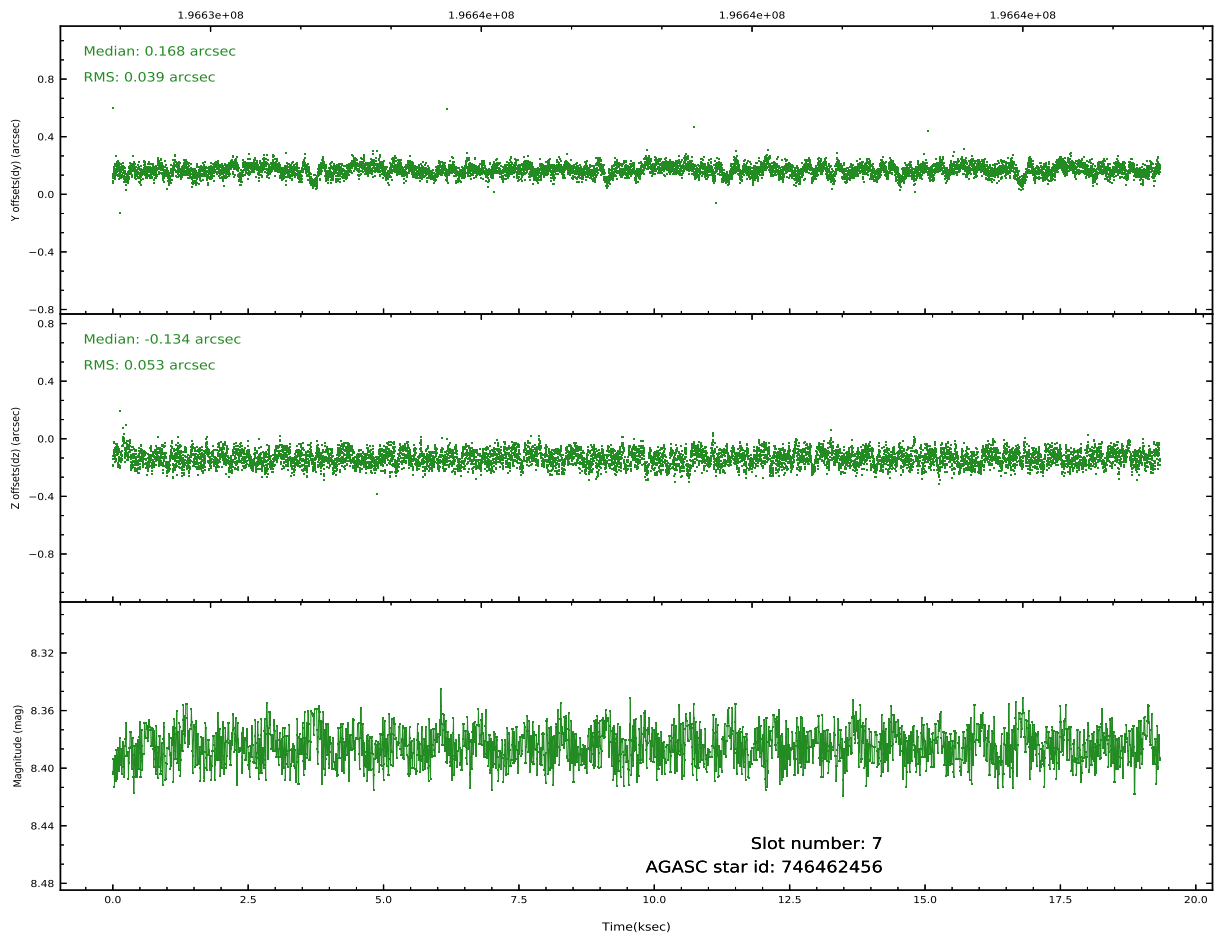
Time (s)



2.4.5 Slot 7

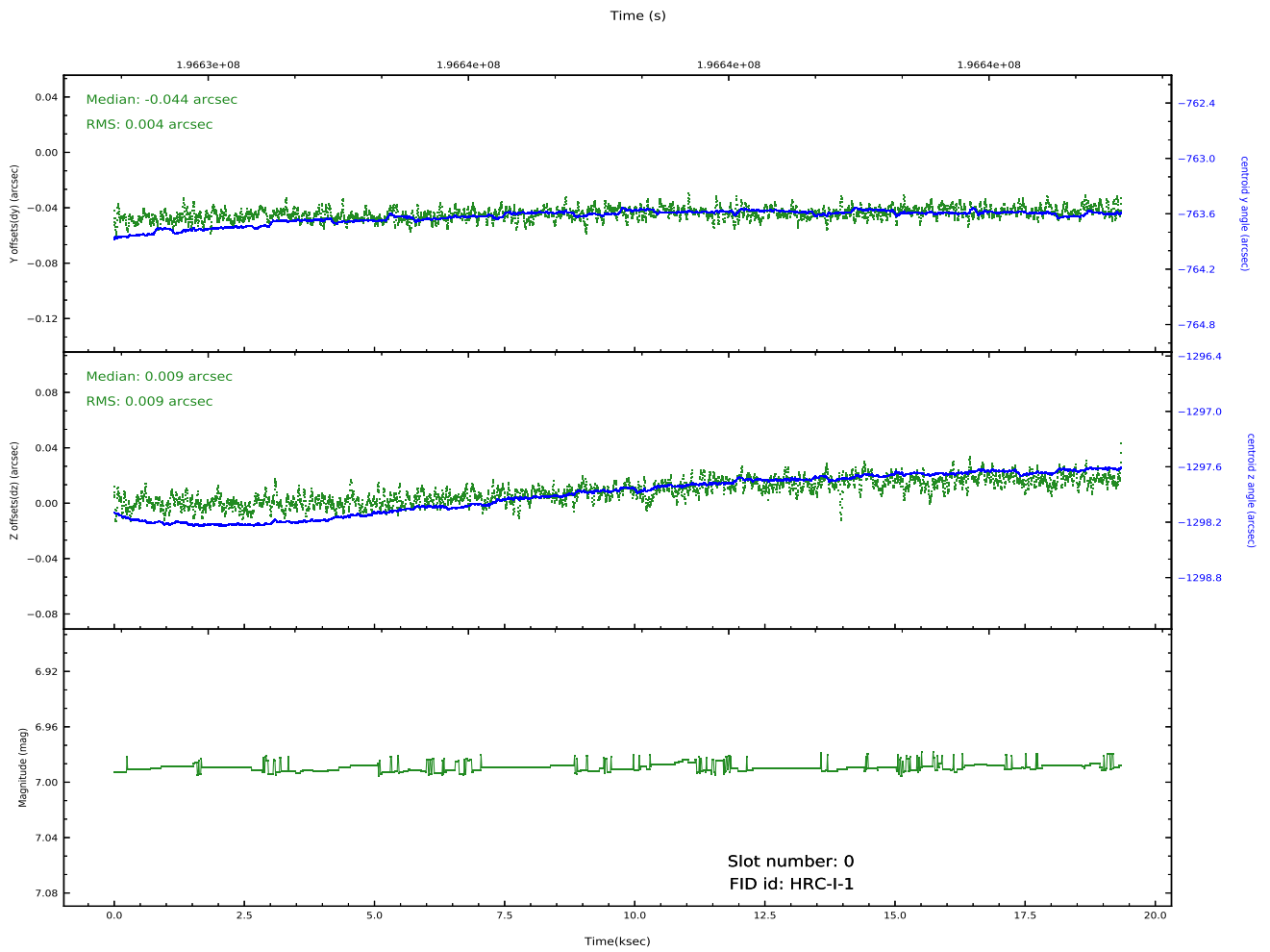
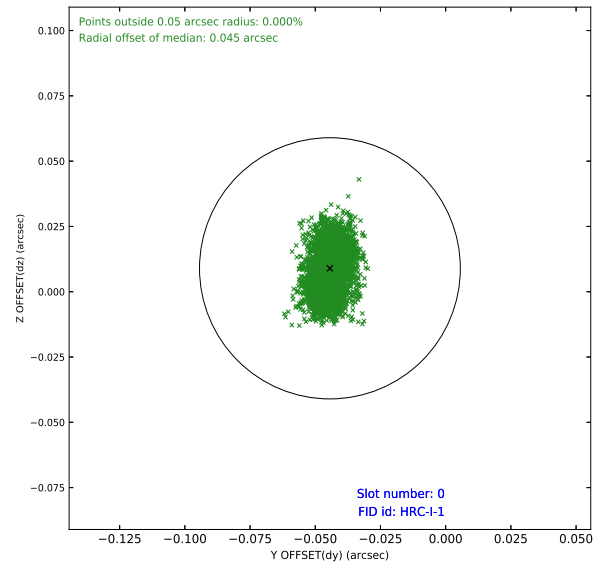
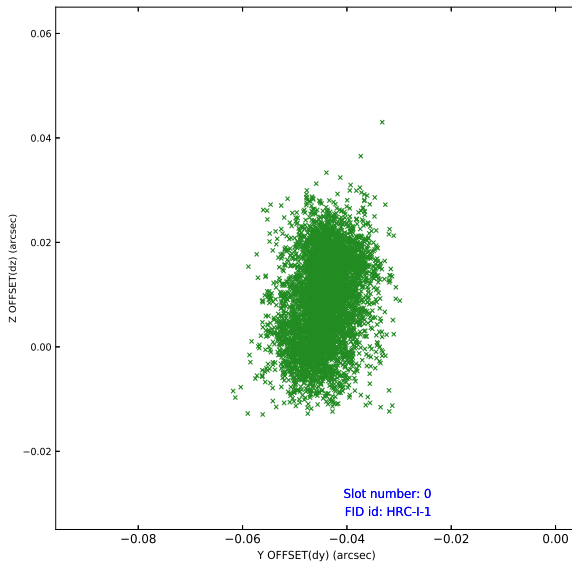


Time (s)

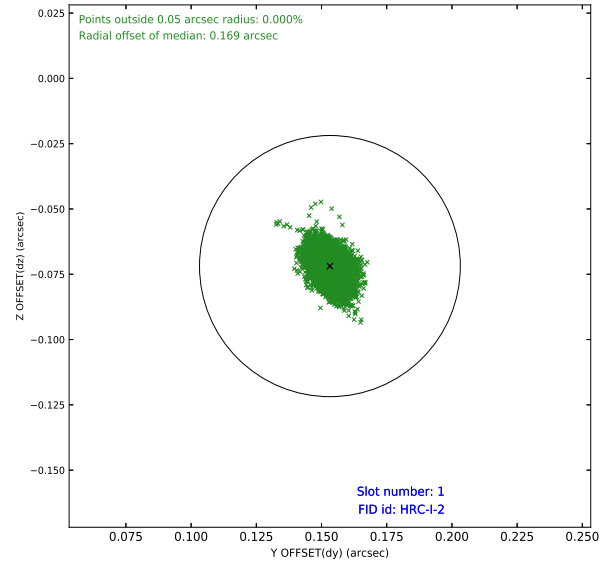
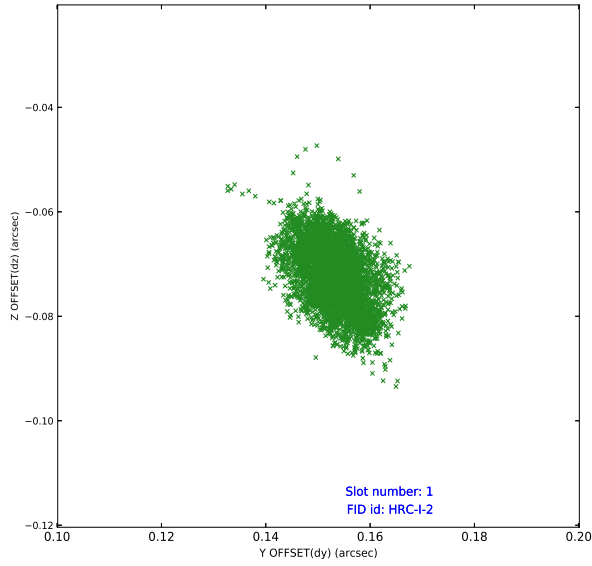


2.5 FID Slots

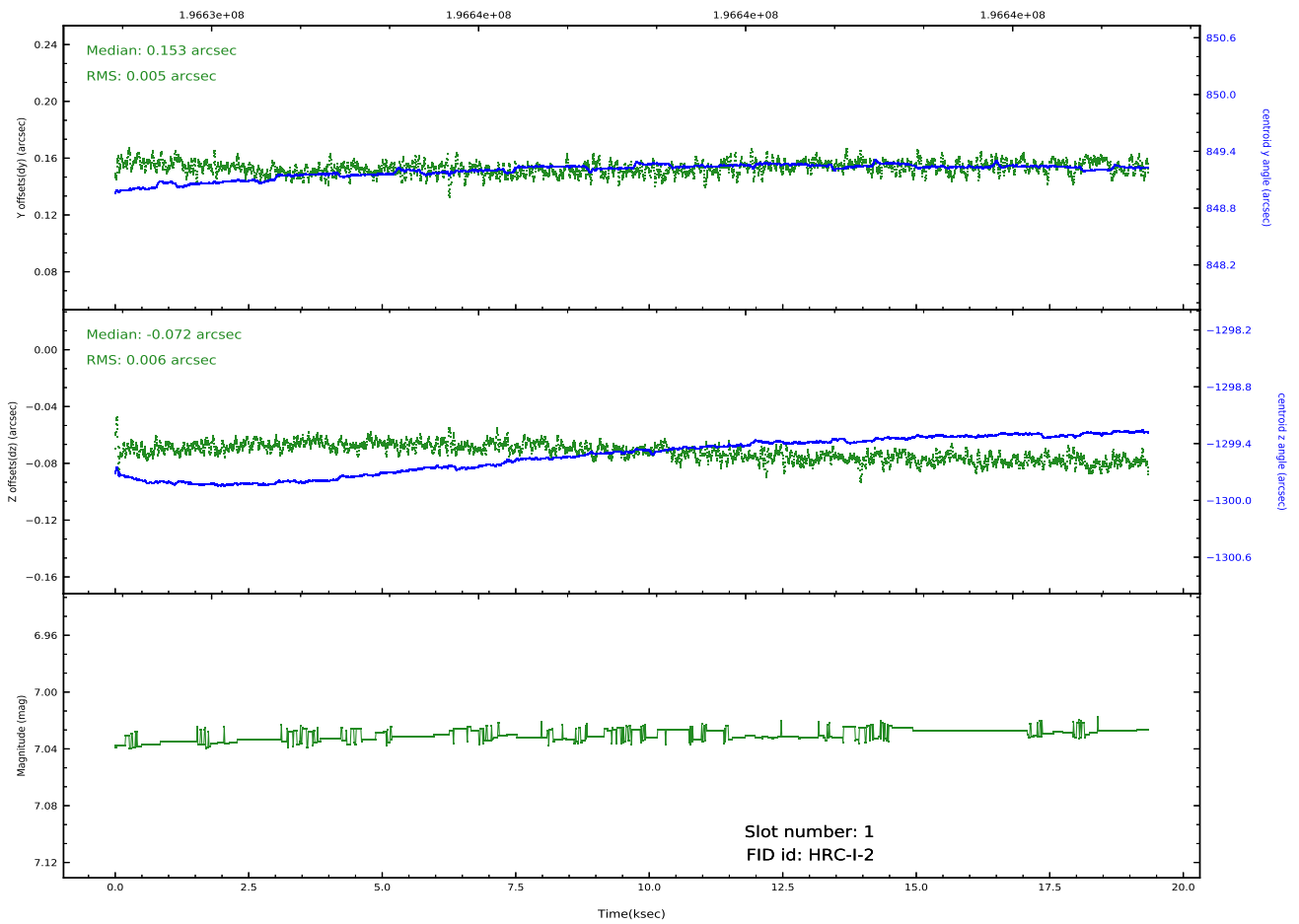
2.5.1 Slot 0



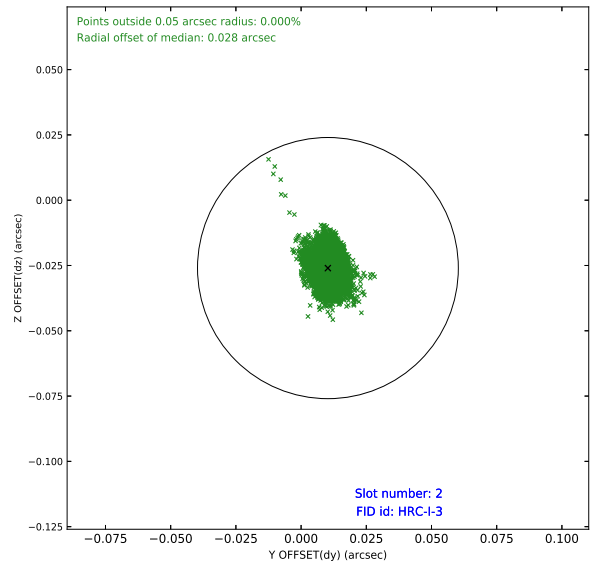
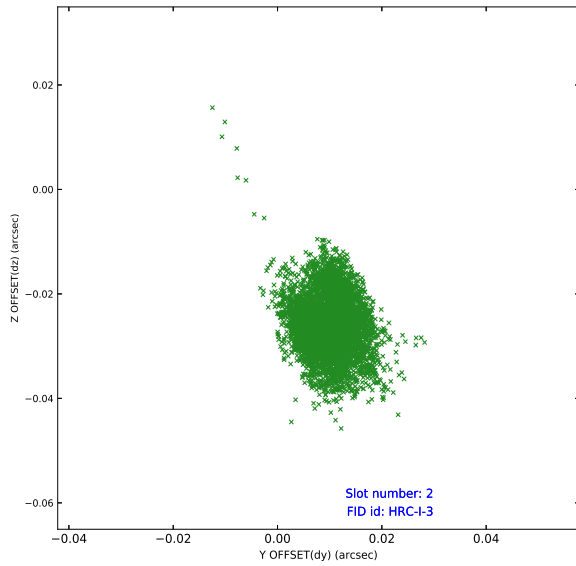
2.5.2 Slot 1



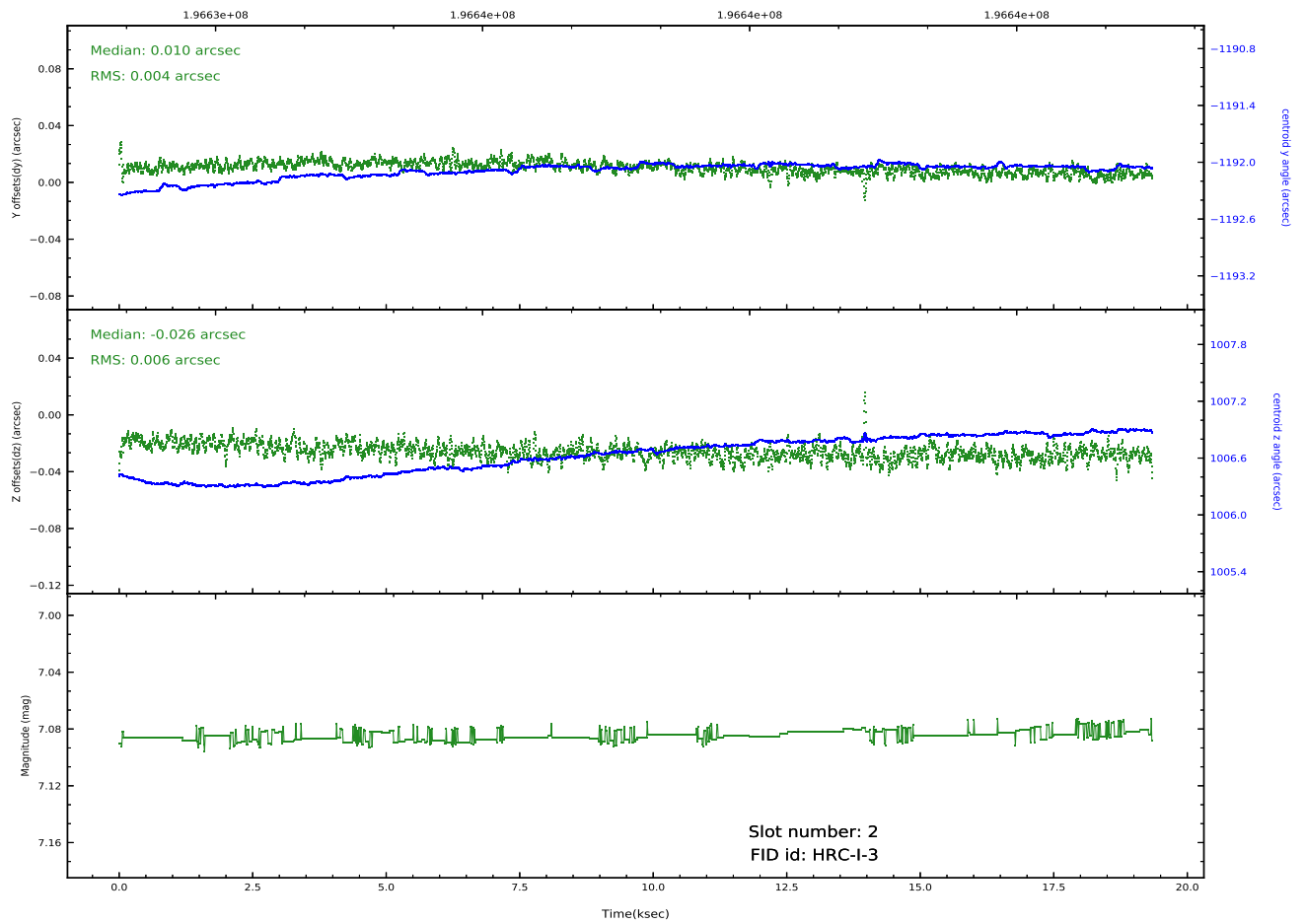
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.183

A.2 Comments

Window constraint satisfied.