

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5925 - L2 Version 5
Chandra X-Ray Center

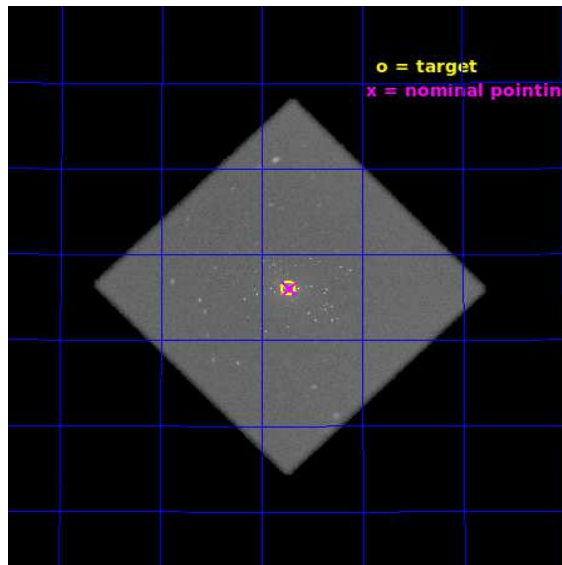
L2 Processing Date : Oct 5 2020

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1 Front

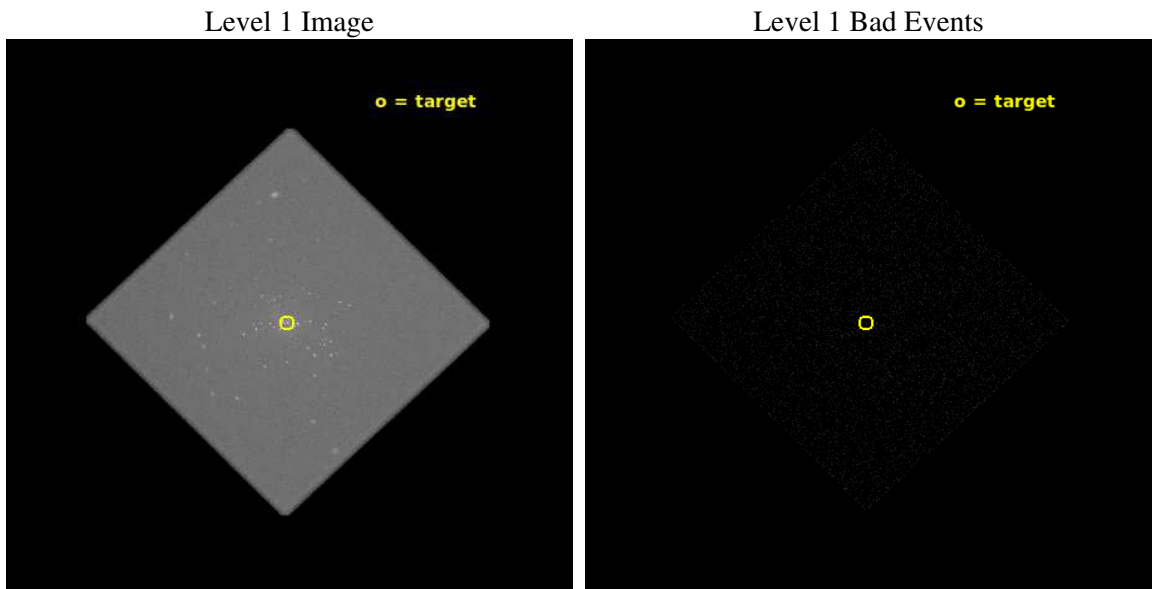
seq_num	600444	Sequence number
obs_id	5925	Observation id
title	M31* - The Nearest Extra-galactic SuperMassive Black Hole	Proposal
observer	Dr. Michael Garcia	Principal investigator
object	M31*	Source name
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.679967776176	Nominal RA [deg]
dec_nom	41.267249568723	Nominal Dec [deg]
roll_nom	270.73361410272	Nominal Roll [deg]
revision	5	Processing version of data
ontime	46683.627099514	[s]
livetime	46288.991203801	Overtime multiplied by DTCOR
l2events	2136874	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	46500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	46683.627099514	[s]
caldbver	4.9.2	 	l1events	3220756	Number of level 1 events
date	2020-10-05T11:31:50	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

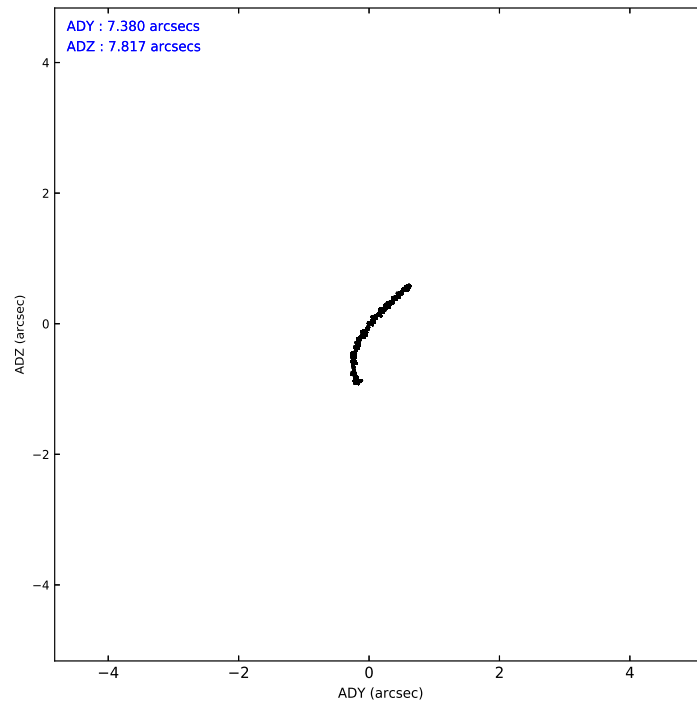
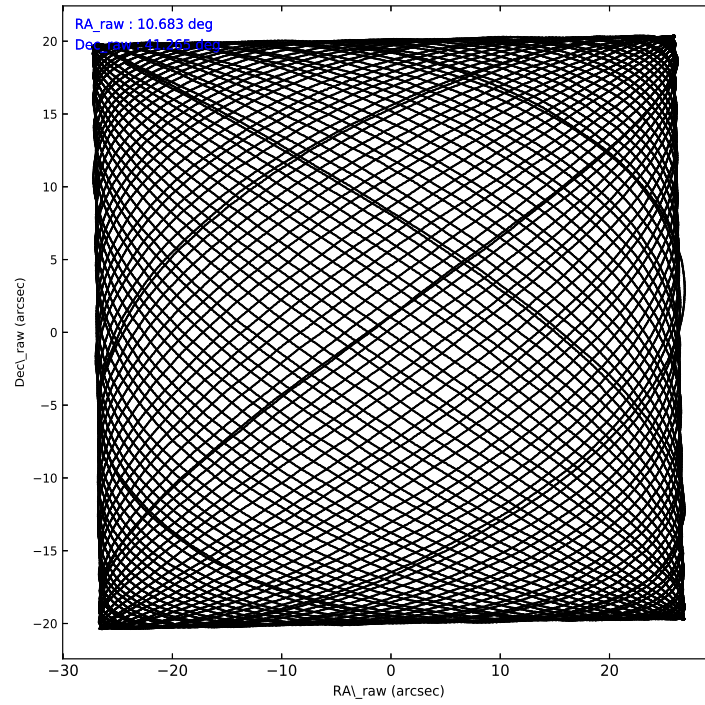
	segment 0
level 1 events	3220756
rejected events	67740
rejected %	2%

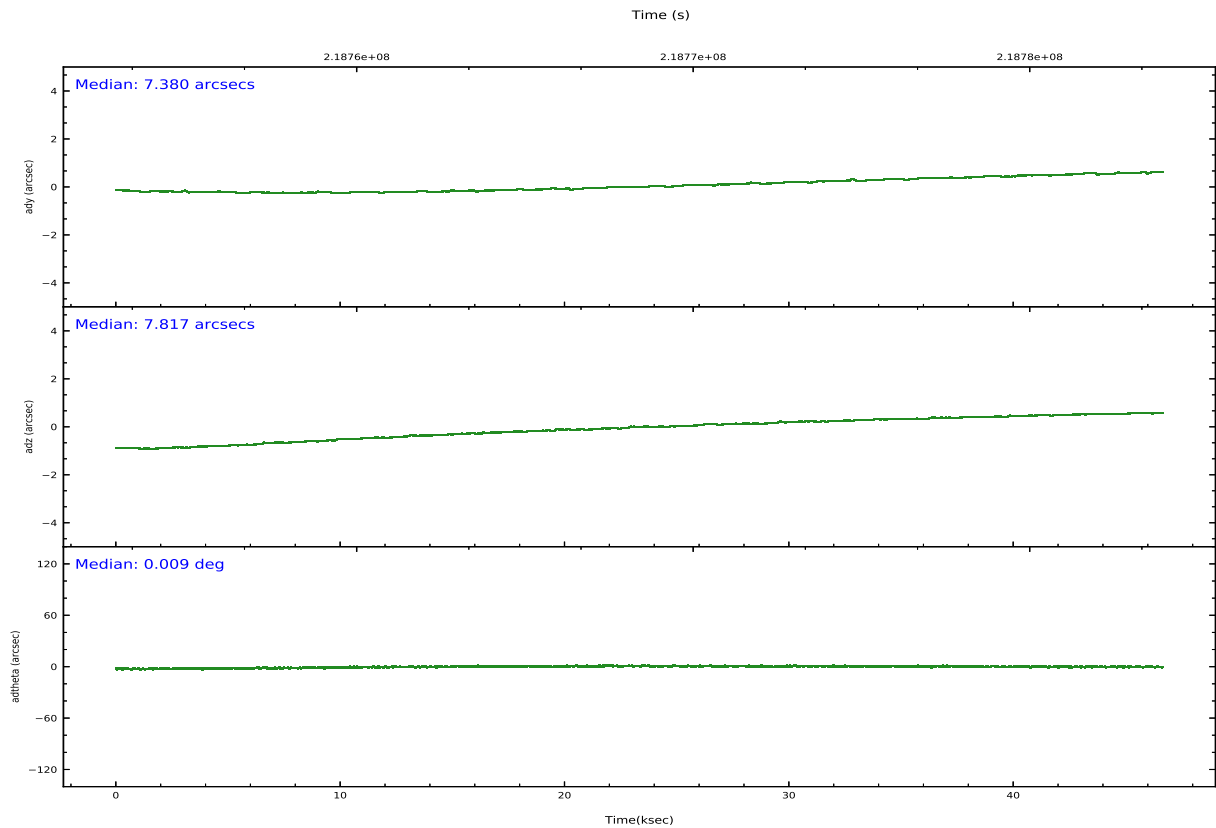
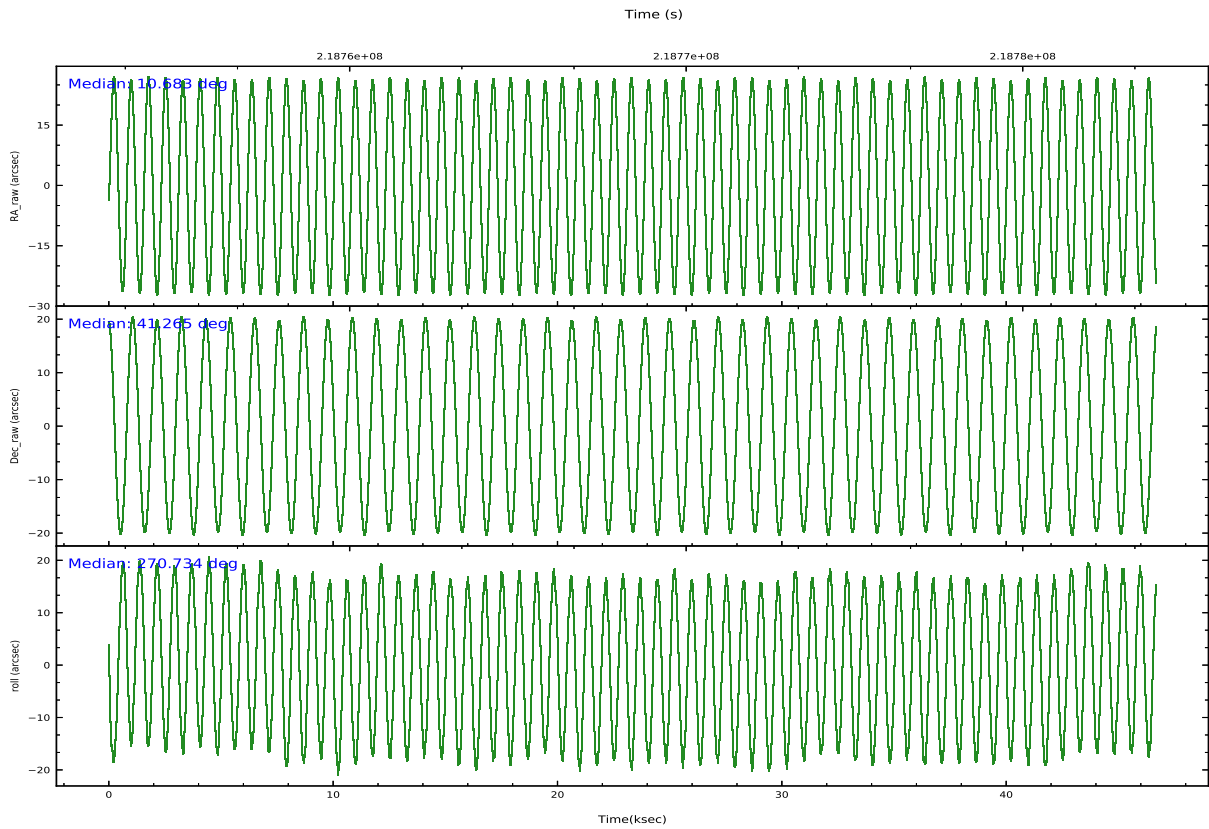
2.2 Compared Parameters

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	10.663780	10.679967776176
[deg] Pointing Dec	41.288075	41.267249568723
[deg] Pointing Roll	270.856630	270.73361410272
[s] Window start time (MET)	212976064.184000	212976064.184000
[s] Window stop time (MET)	227232064.184000	227232064.184000
[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)	218744446.184000	218743736.3263
Observation start date	2004-12-06T18:19:42	2004-12-06T18:08:56
[s] Observation end time (MET)	218790946.184000	218791451.10345
Observation end date	2004-12-07T07:14:42	2004-12-07T07:24:11

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

2.3 Aspect





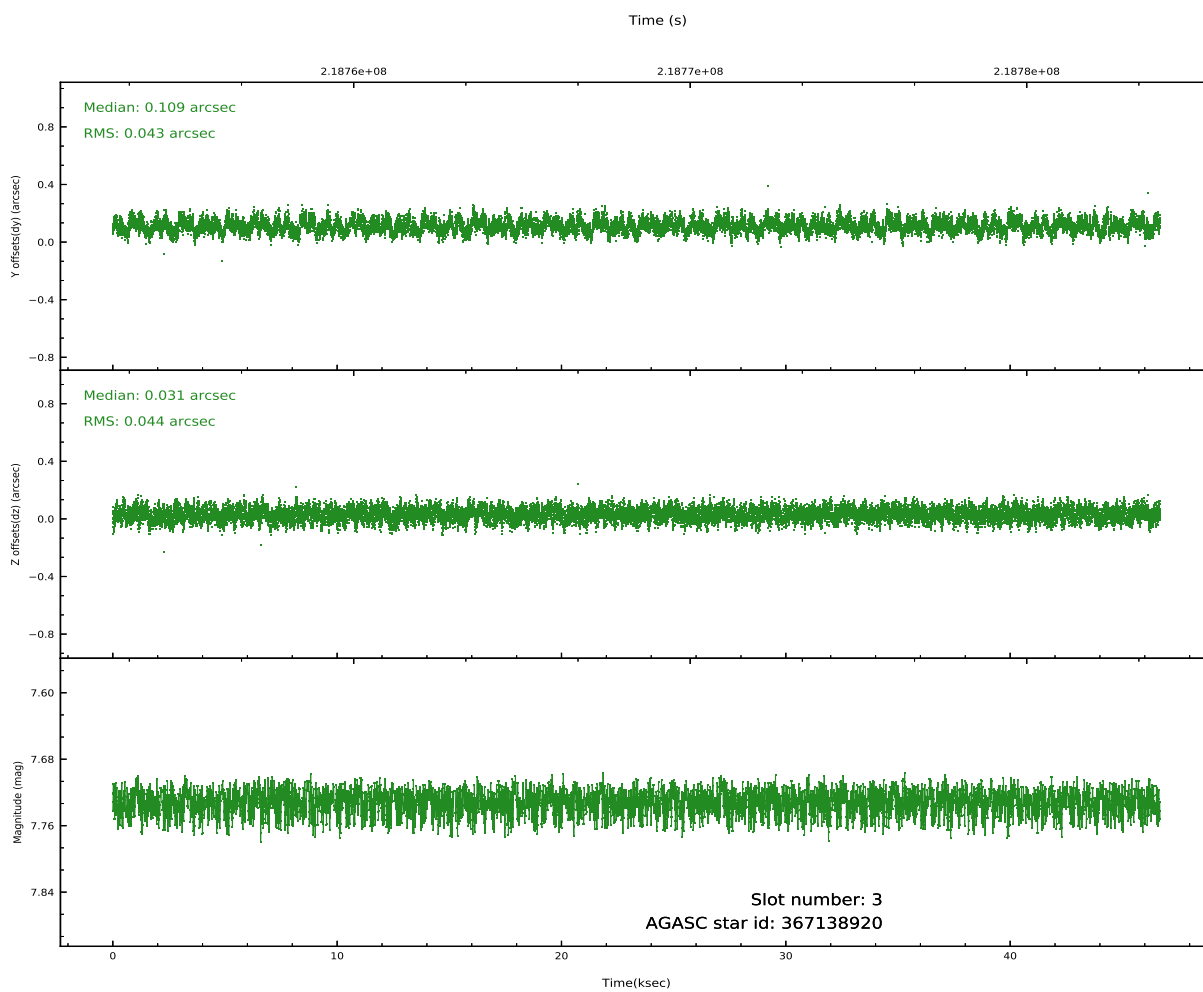
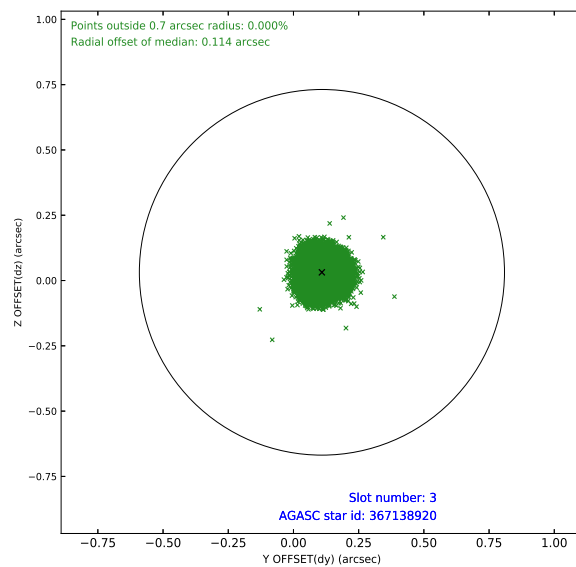
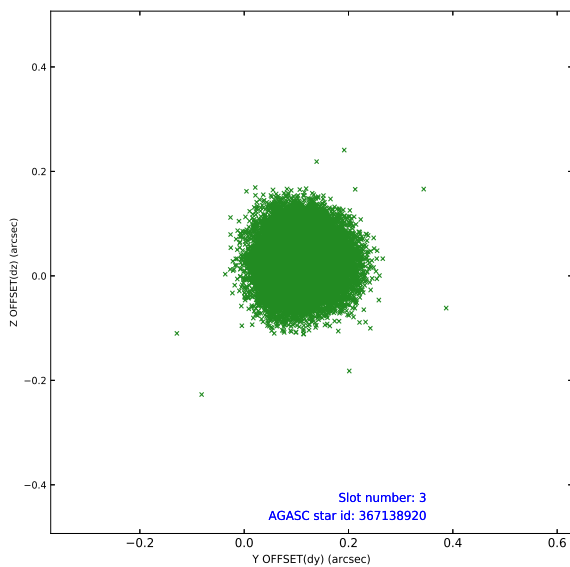
Slot Statistics

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	11387	1.000	-0.006	0.022	0.024	0.040	0.000000	0.000000	-763.07	-1295
1	FID		HRC-I-2	7.01	11387	1.000	0.143	-0.109	0.026	0.044	0.000000	0.000000	849.64	-1297
2	FID		HRC-I-3	7.06	11387	1.000	-0.020	-0.003	0.013	0.026	0.000000	0.000000	-1191.48	1008
3	GUIDE	used	367138920	7.73	22773	1.000	0.109	0.031	0.066	0.104	11.513485	40.808909	1748.57	2290
4	GUIDE	used	367146616	8.86	22763	1.000	-0.047	0.023	0.091	0.140	11.418645	41.190163	374.16	2039
5	GUIDE	used	367148872	7.24	22768	1.000	0.017	0.006	0.067	0.106	10.505940	40.688258	2152.87	-462
6	GUIDE	used	367658664	9.61	22757	1.000	-0.013	-0.046	0.113	0.184	10.374070	41.369746	-306.63	-778
7	GUIDE	used	367674552	8.85	22748	1.000	-0.065	-0.011	0.071	0.116	11.016238	41.570845	-1005.54	964

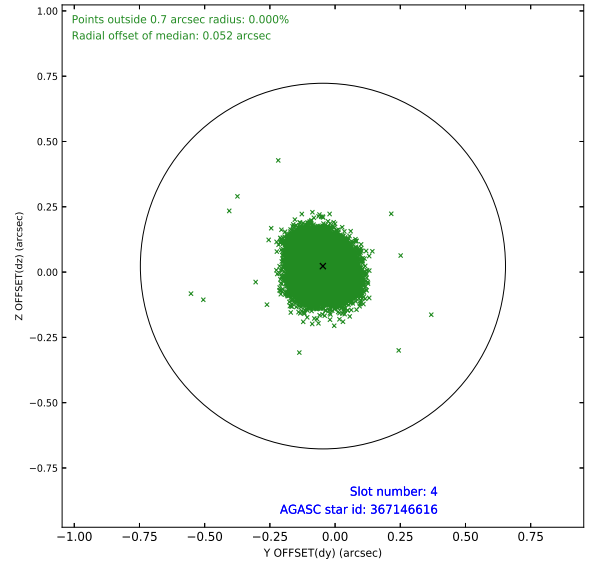
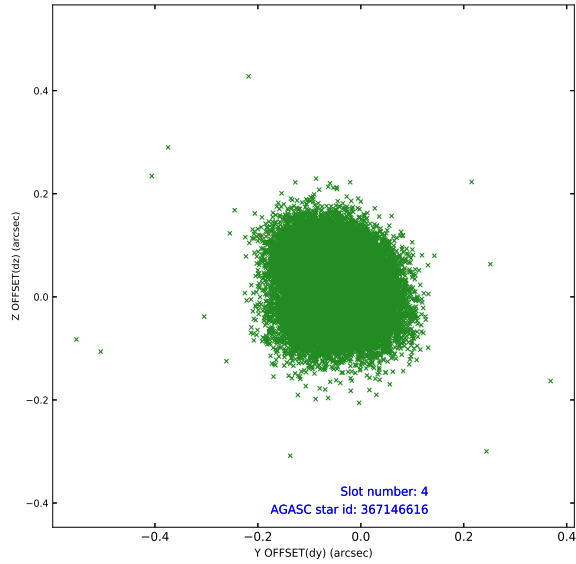
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2.4 Star Slots

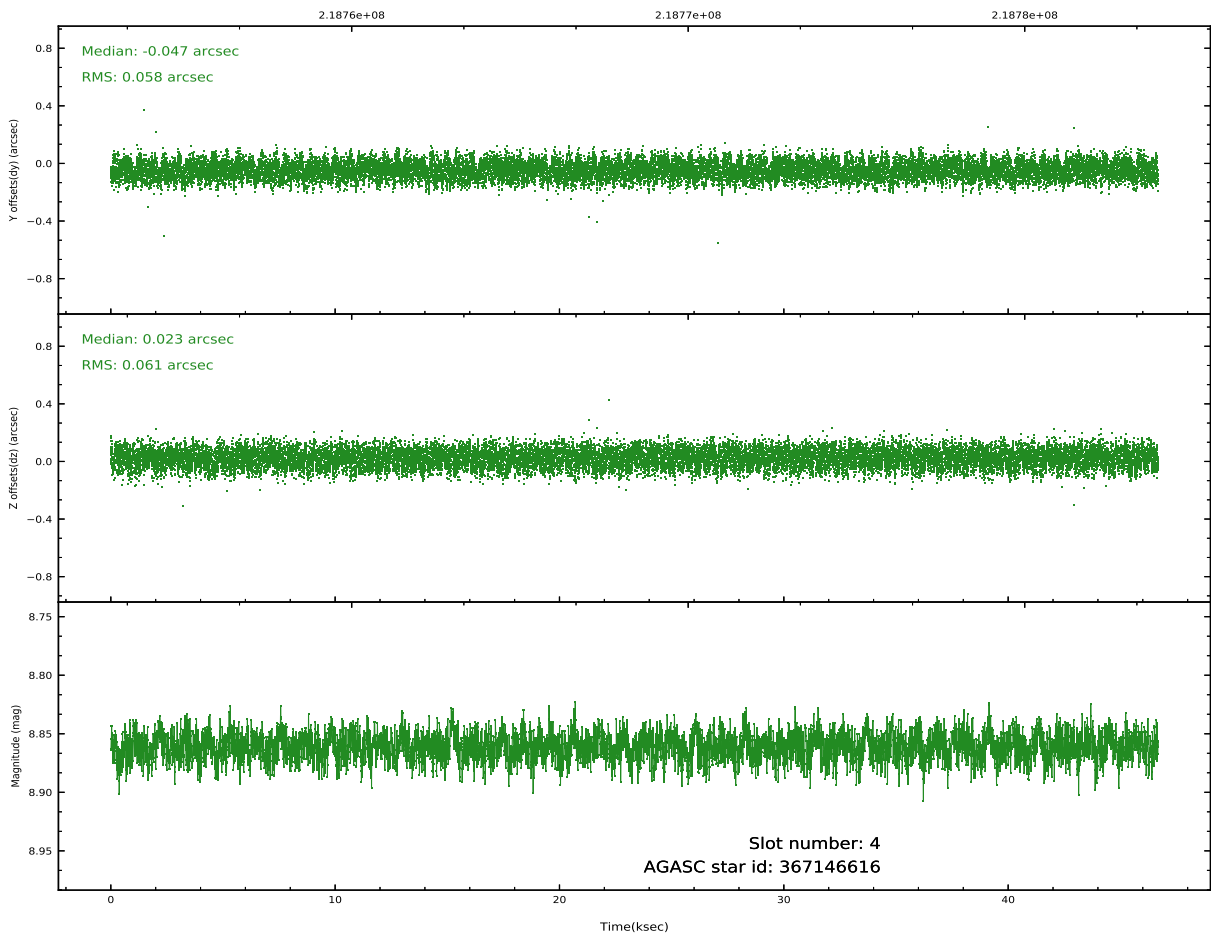
2.4.1 Slot 3



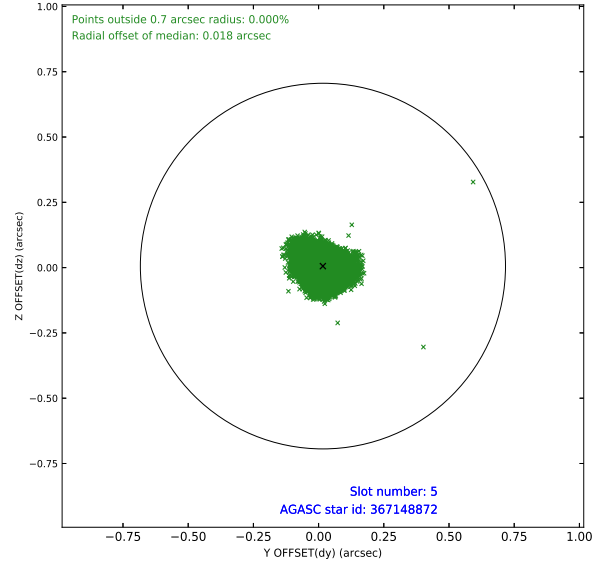
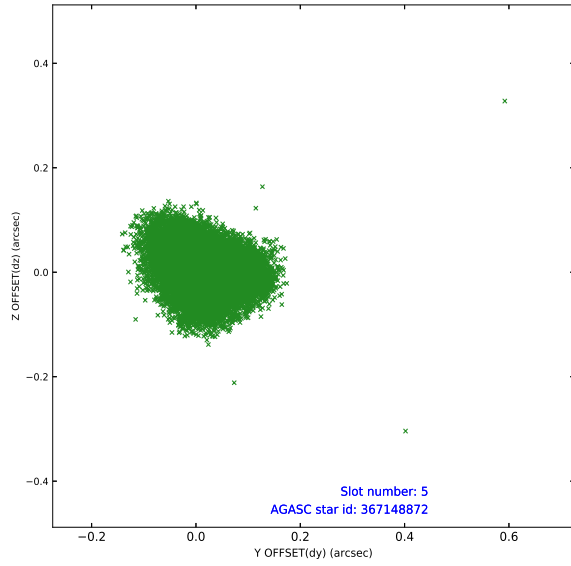
2.4.2 Slot 4



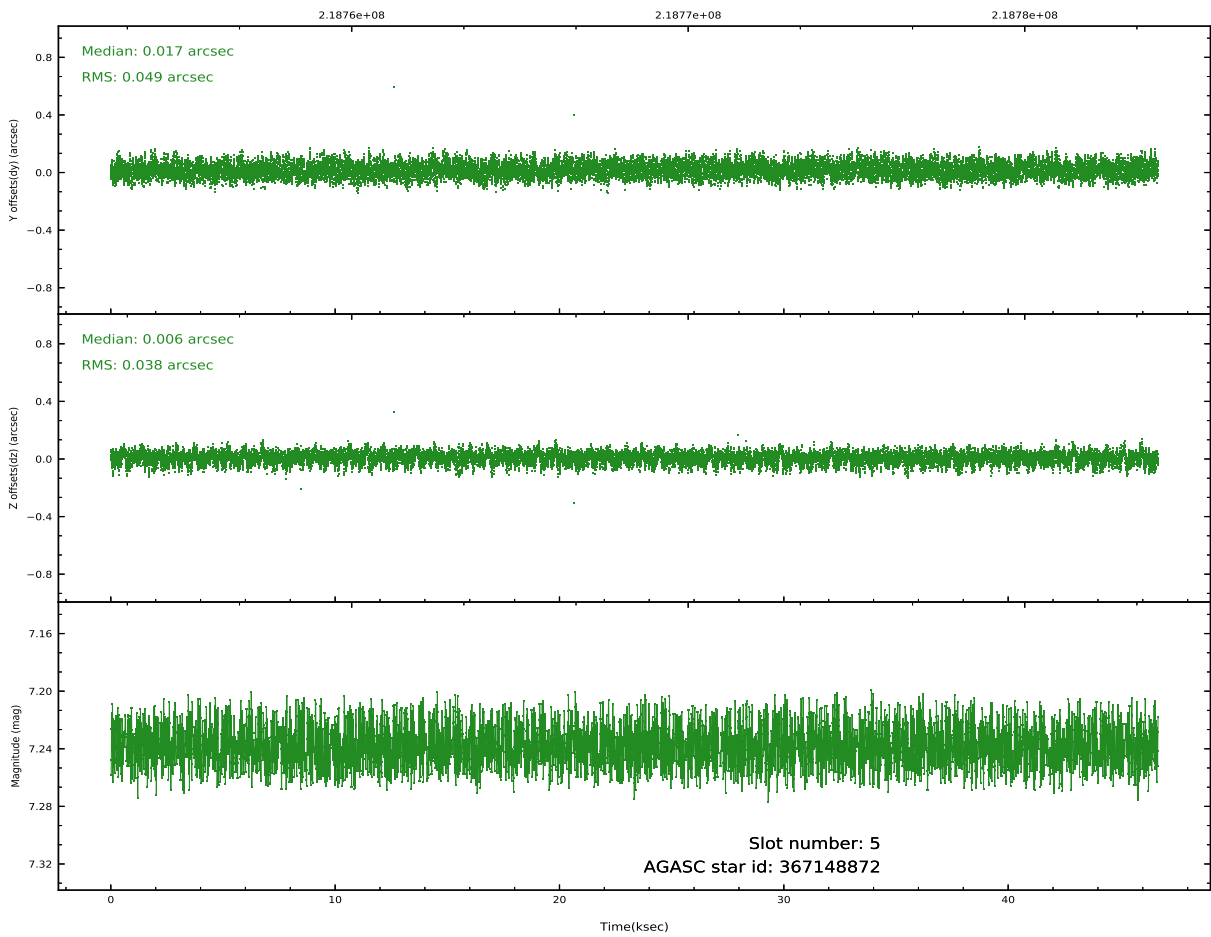
Time (s)



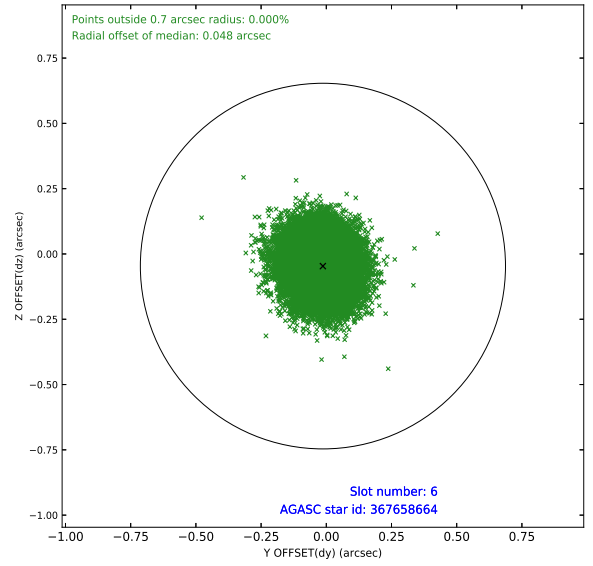
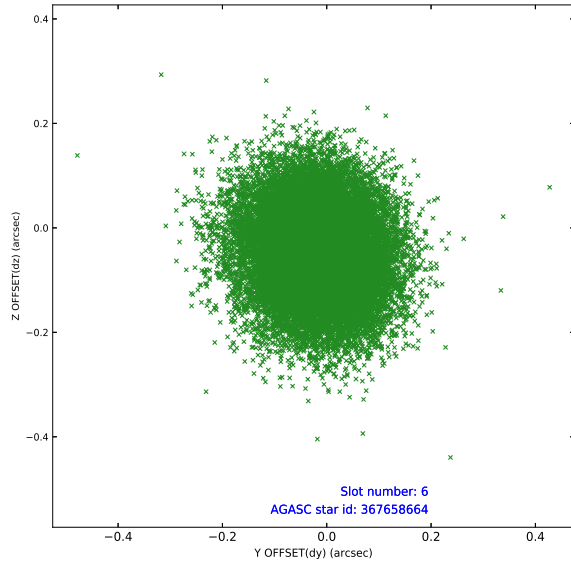
2.4.3 Slot 5



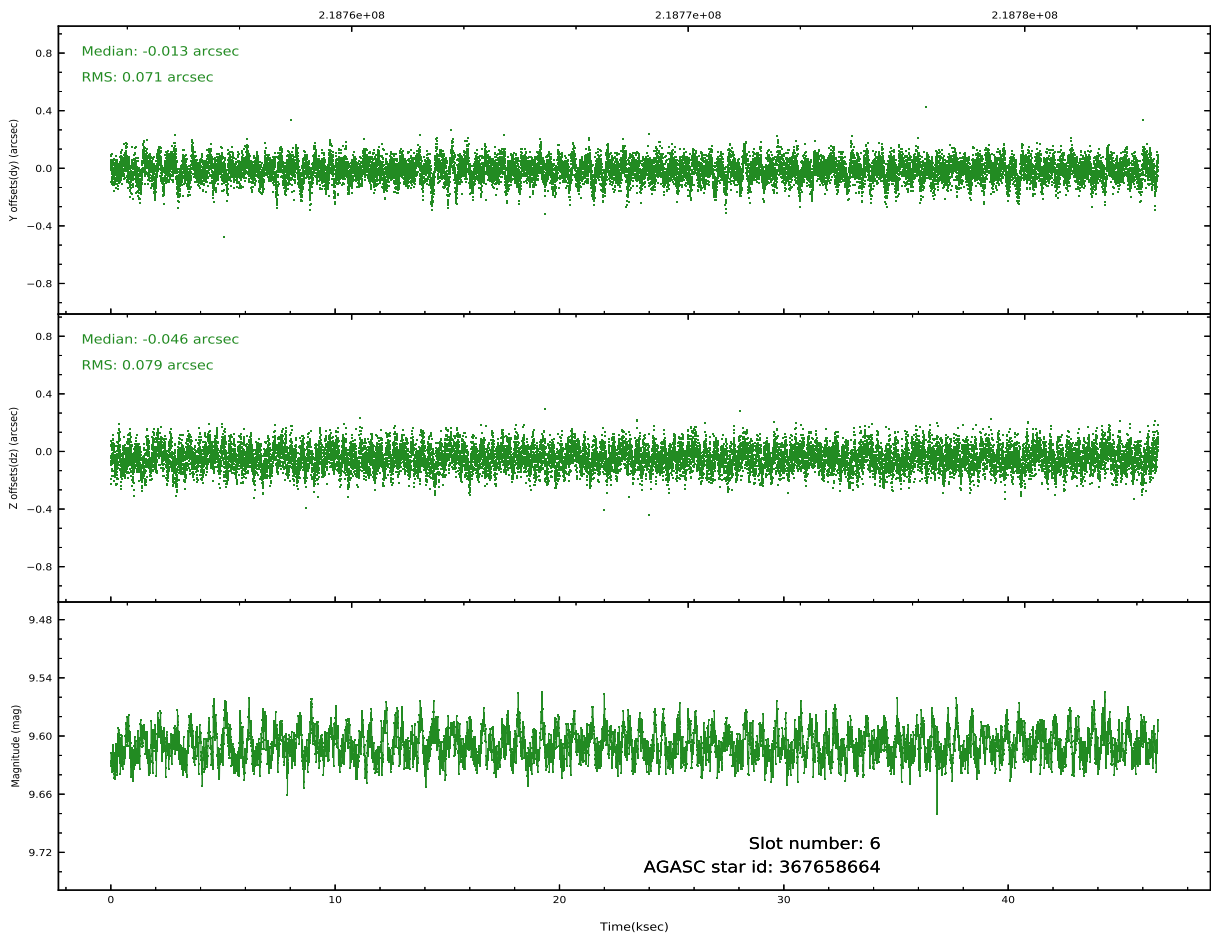
Time (s)



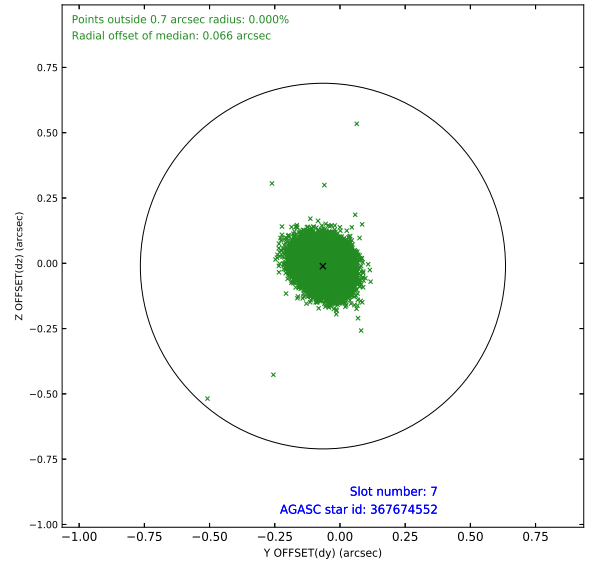
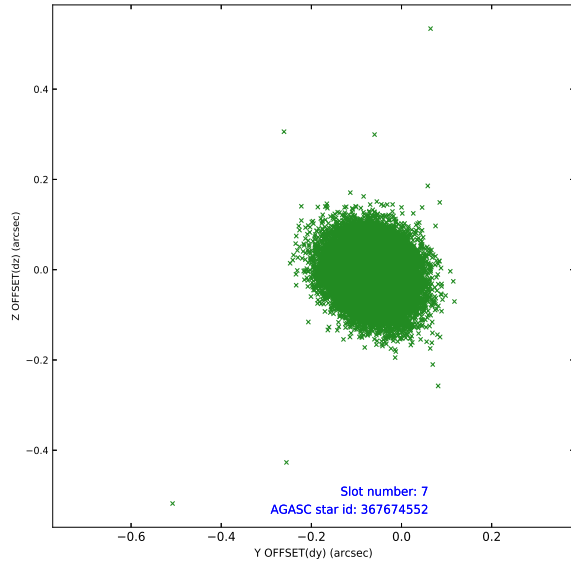
2.4.4 Slot 6



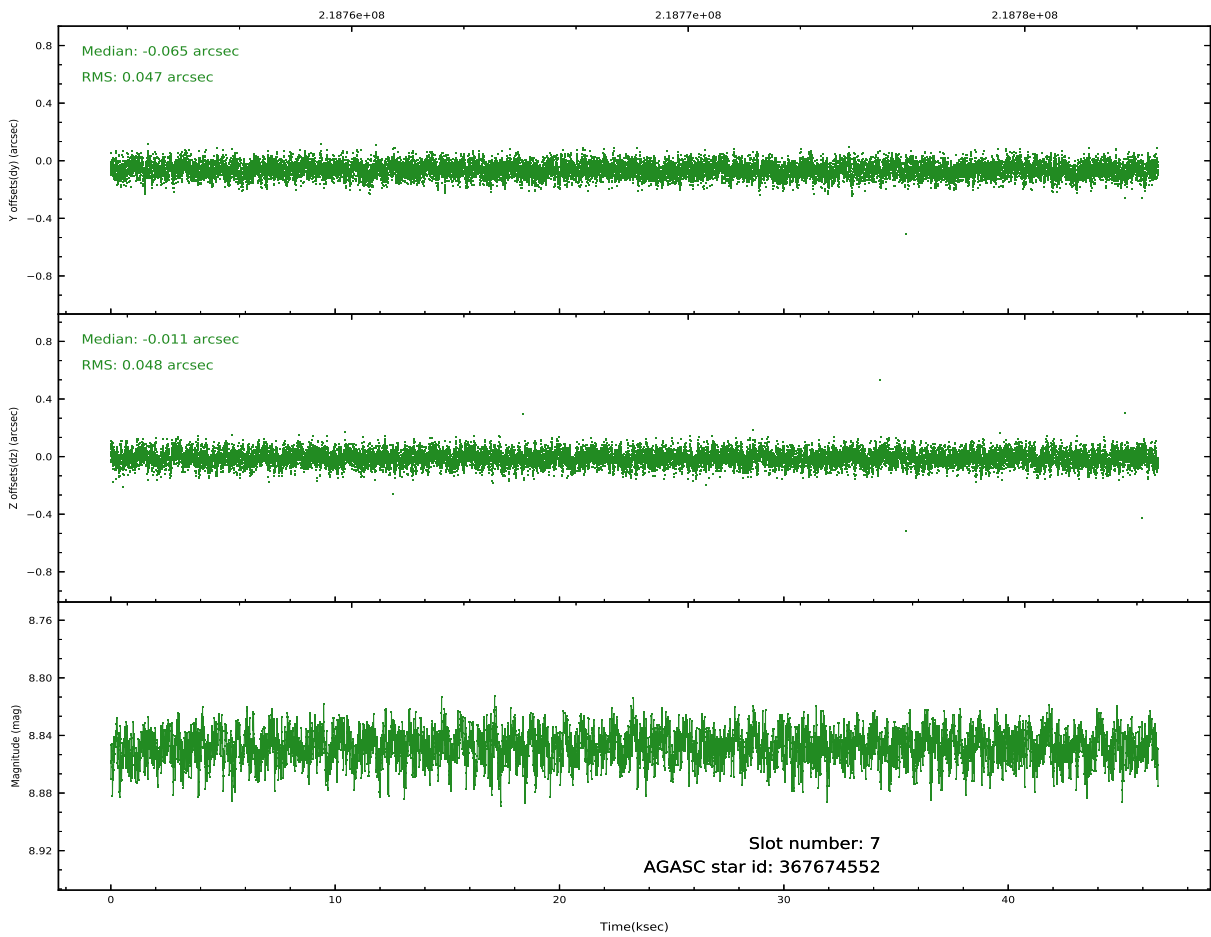
Time (s)



2.4.5 Slot 7

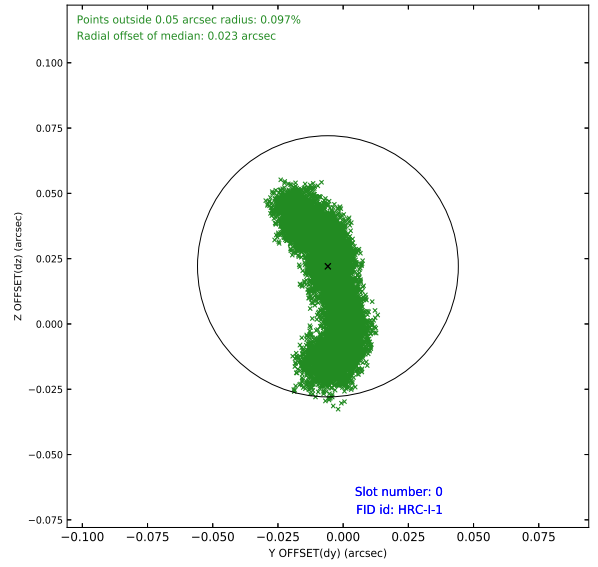
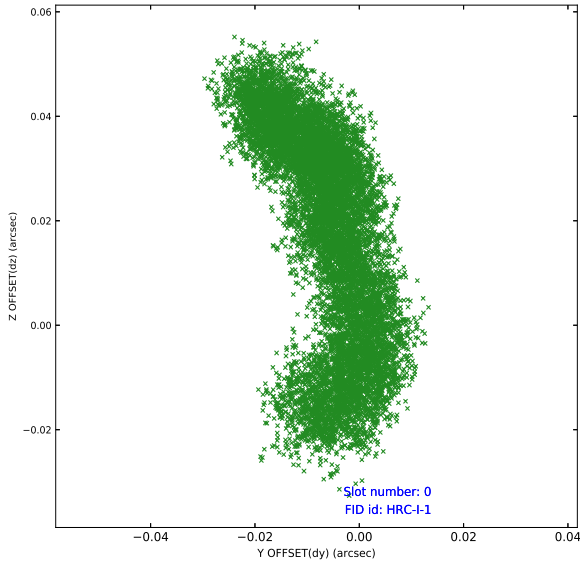


Time (s)

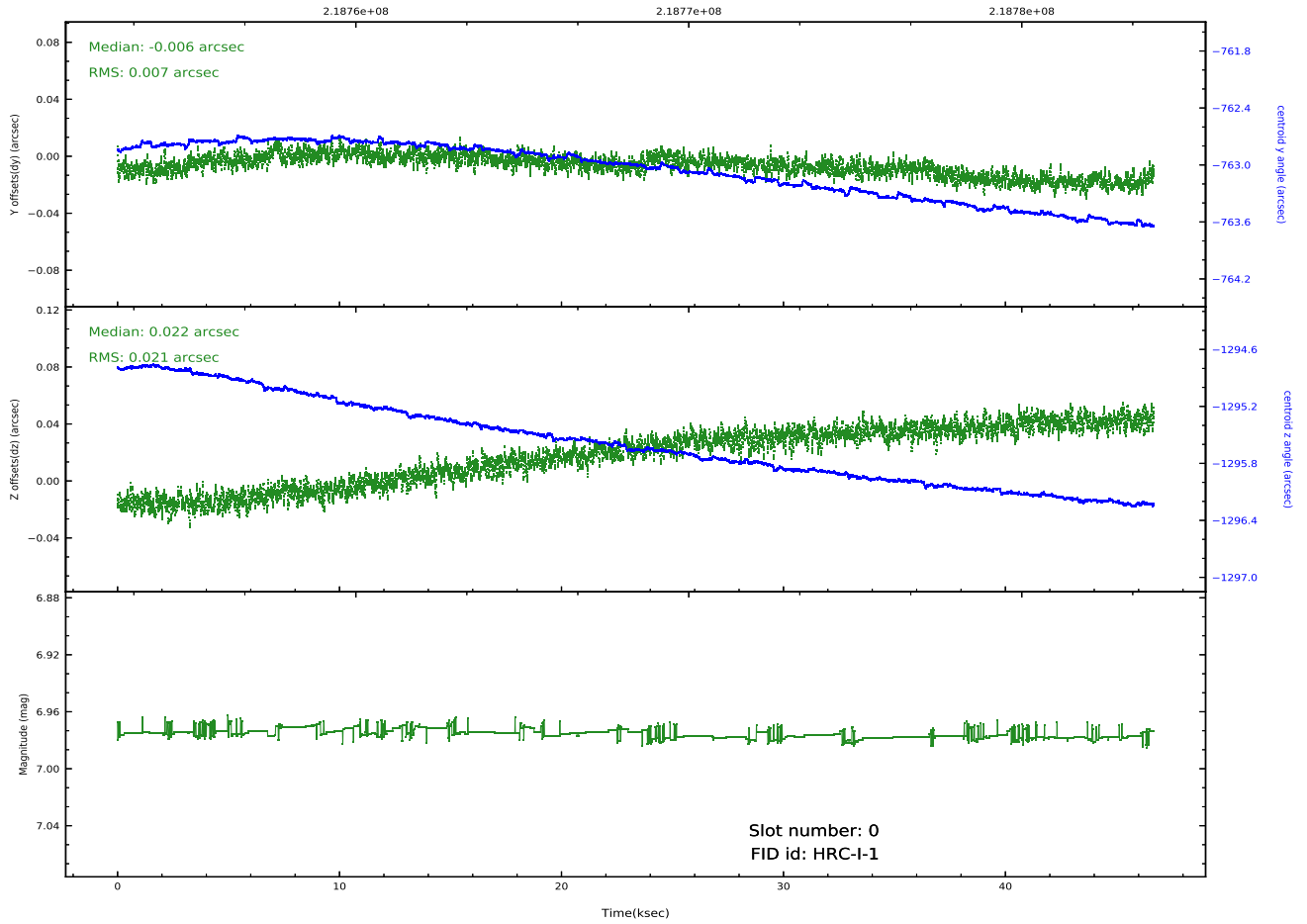


2.5 FID Slots

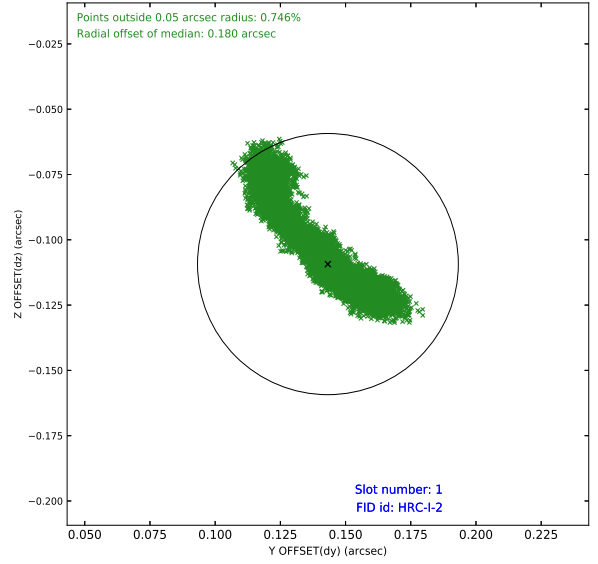
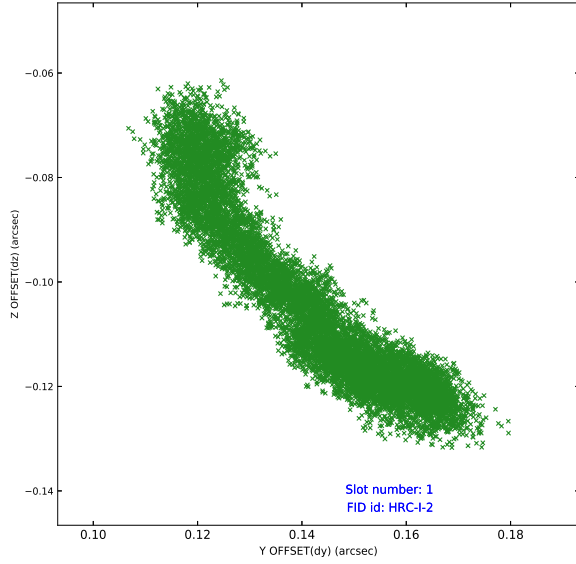
2.5.1 Slot 0



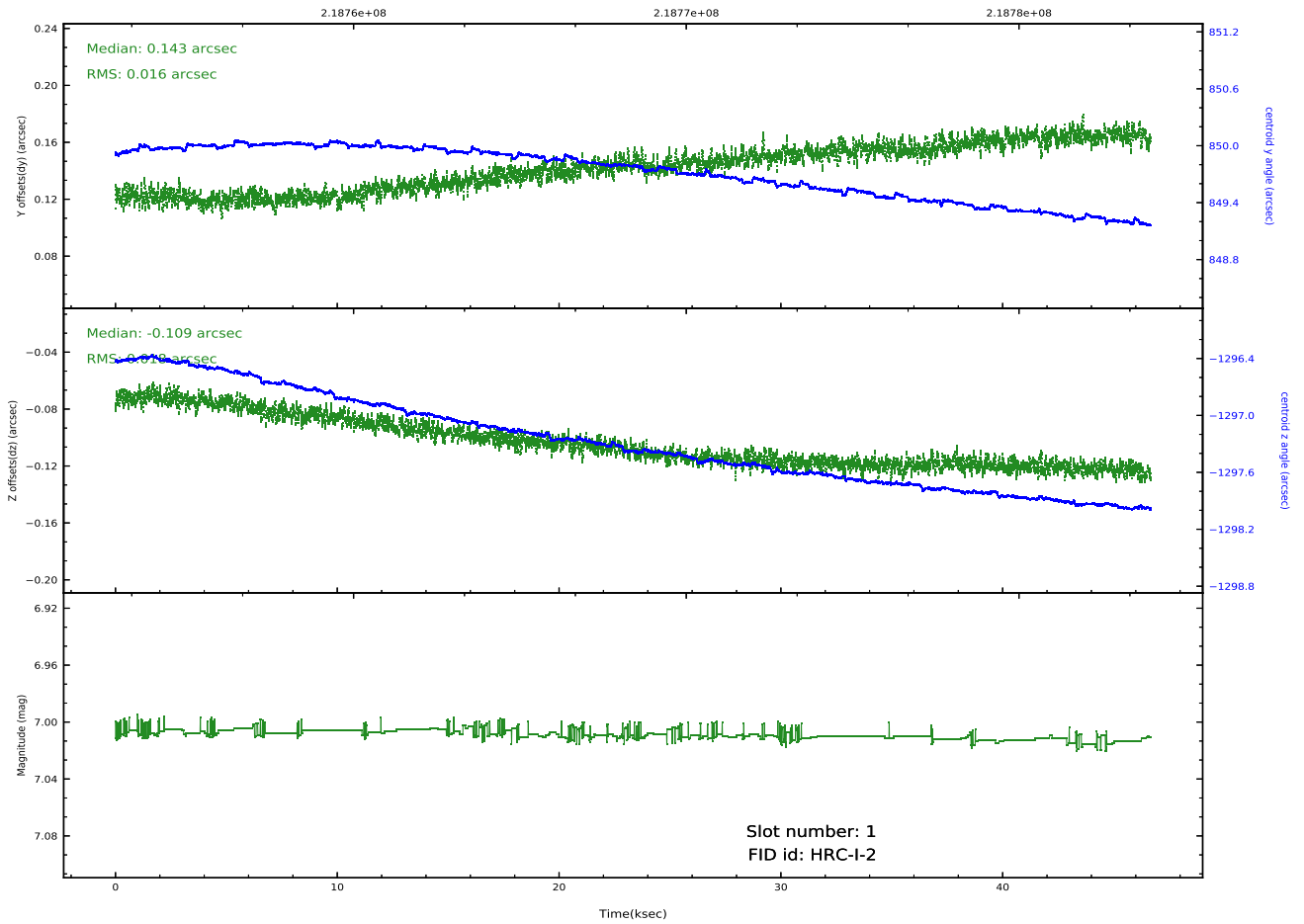
Time (s)



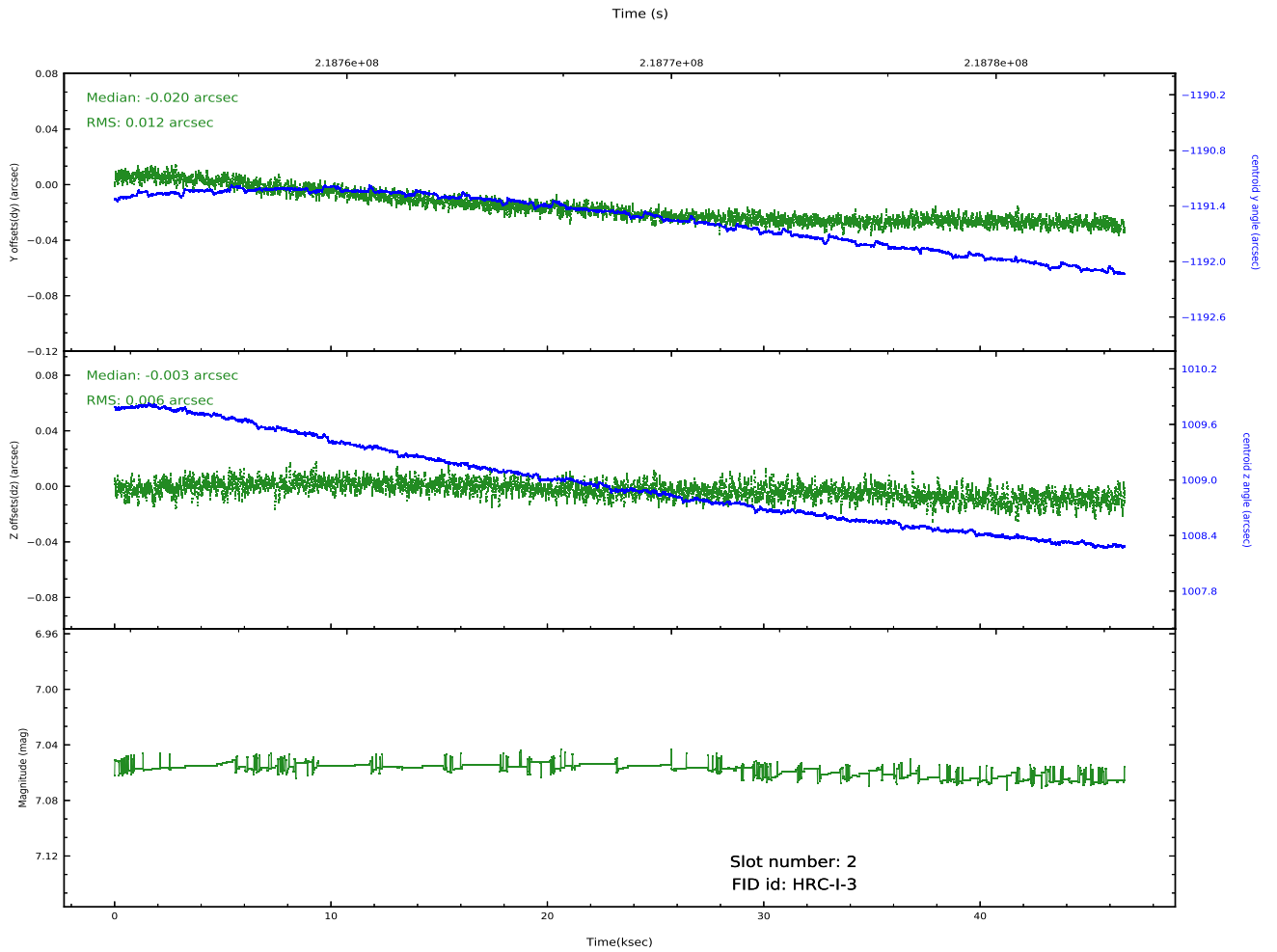
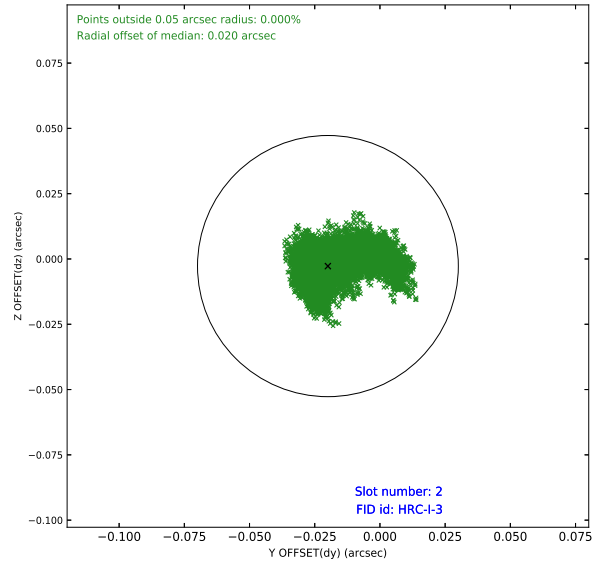
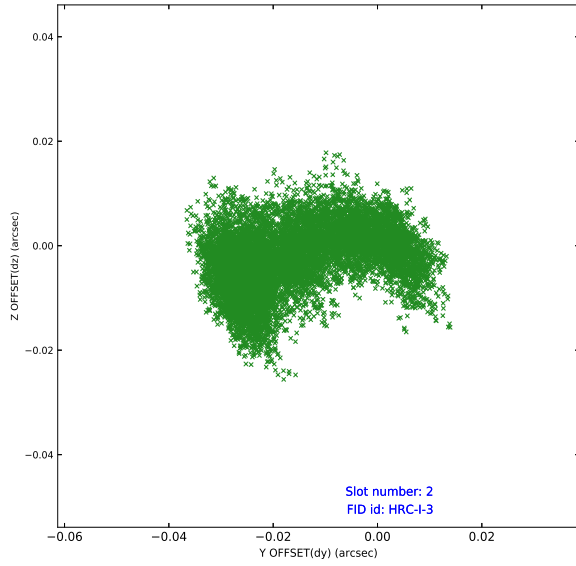
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.68362

A.2 Comments

Joint proposal with NRAO.

Window constraint met.