

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6373 - L2 Version 5
Chandra X-Ray Center

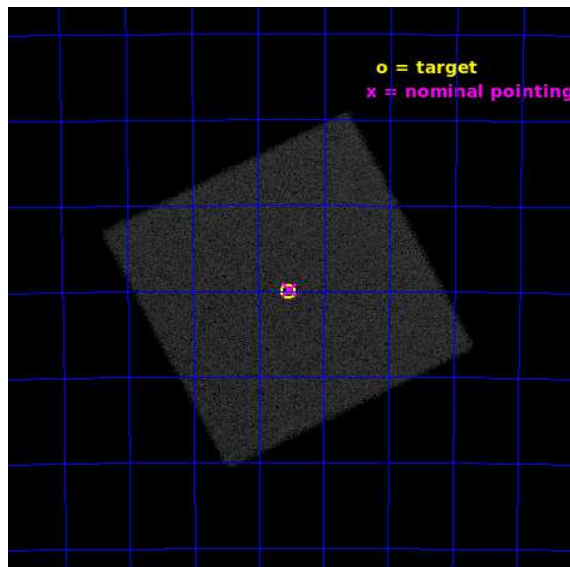
L2 Processing Date : Oct 10 2020

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

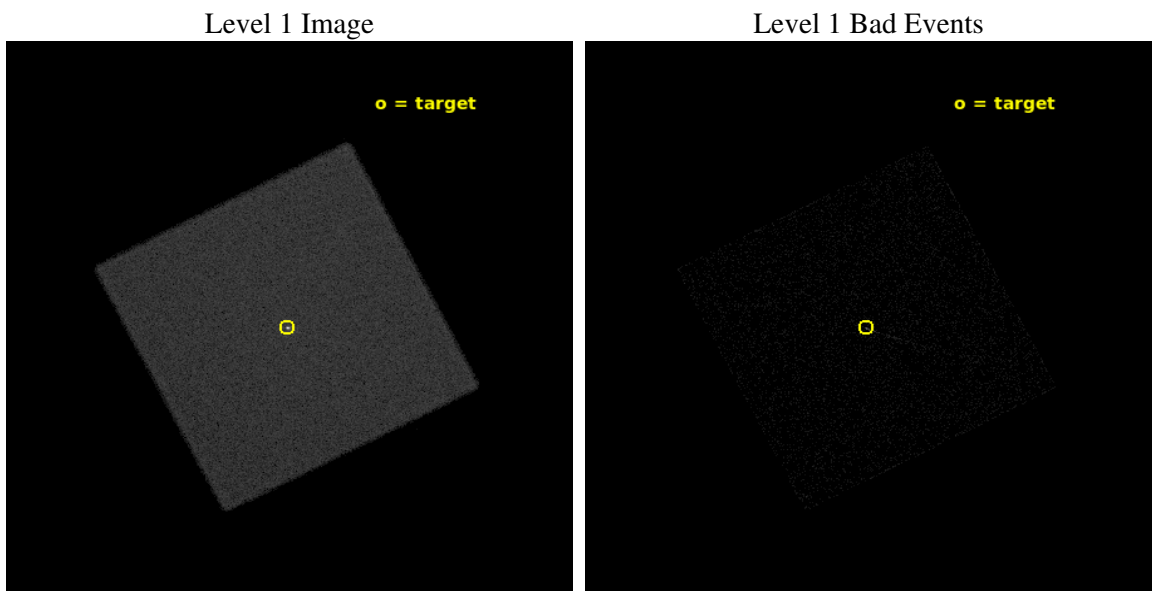
seq_num	200370	Sequence number
obs_id	6373	Observation id
title	HRC Imaging of the `Fainted' Primary of the Alpha Centauri System	
observer	THOMAS AYRES	Principal investigator
object	Alpha Centauri	Source name
ra_targ	219.885833	Observer's specified target RA [deg]
dec_targ	-60.834889	Observer's specified target Dec [deg]
ra_nom	219.87971203181	Nominal RA [deg]
dec_nom	-60.83078384373	Nominal Dec [deg]
roll_nom	197.87931962399	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5187.7814890444	[s]
livetime	5148.6841285149	Ontime multiplied by DTCOR
l2events	218742	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5187.7814890444	[s]
caldbver	4.9.2	 	l1events	399820	Number of level 1 events
date	2020-10-11T03:32:09	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

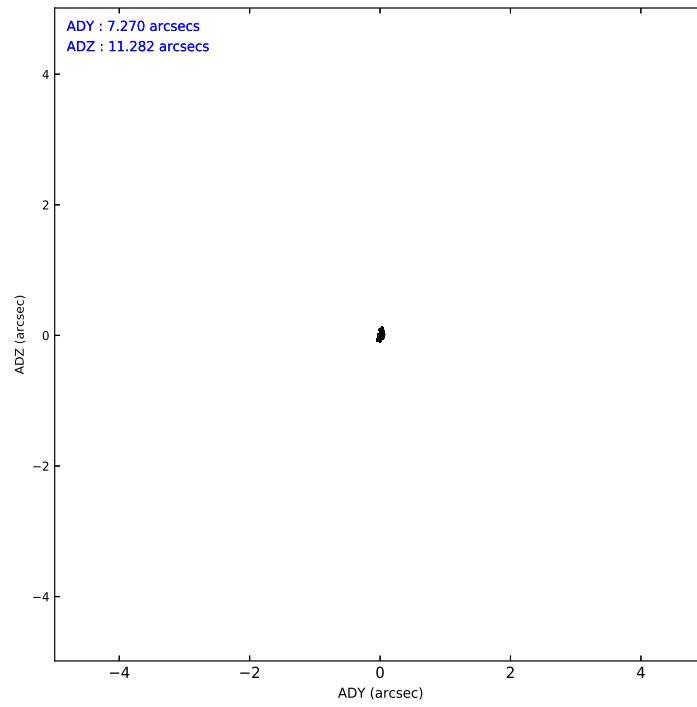
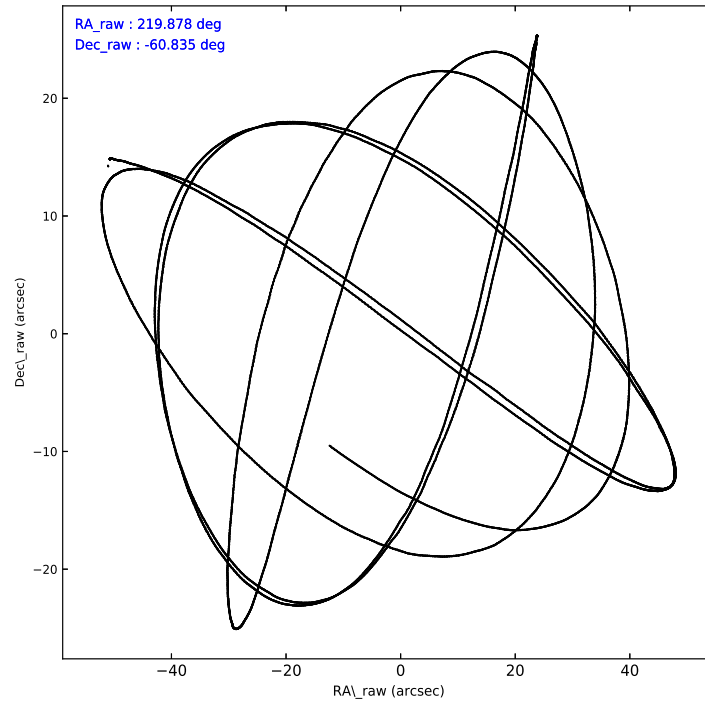
	segment 0
level 1 events	399820
rejected events	79565
rejected %	19%

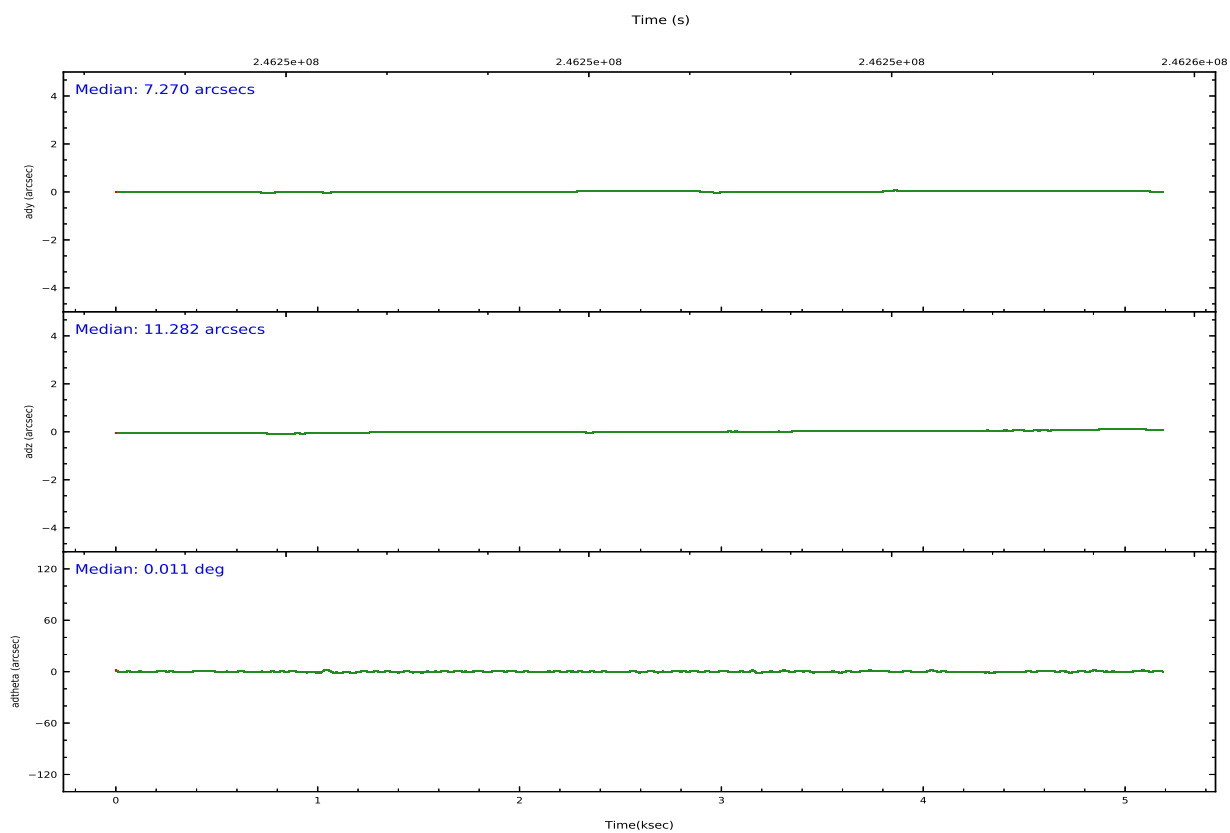
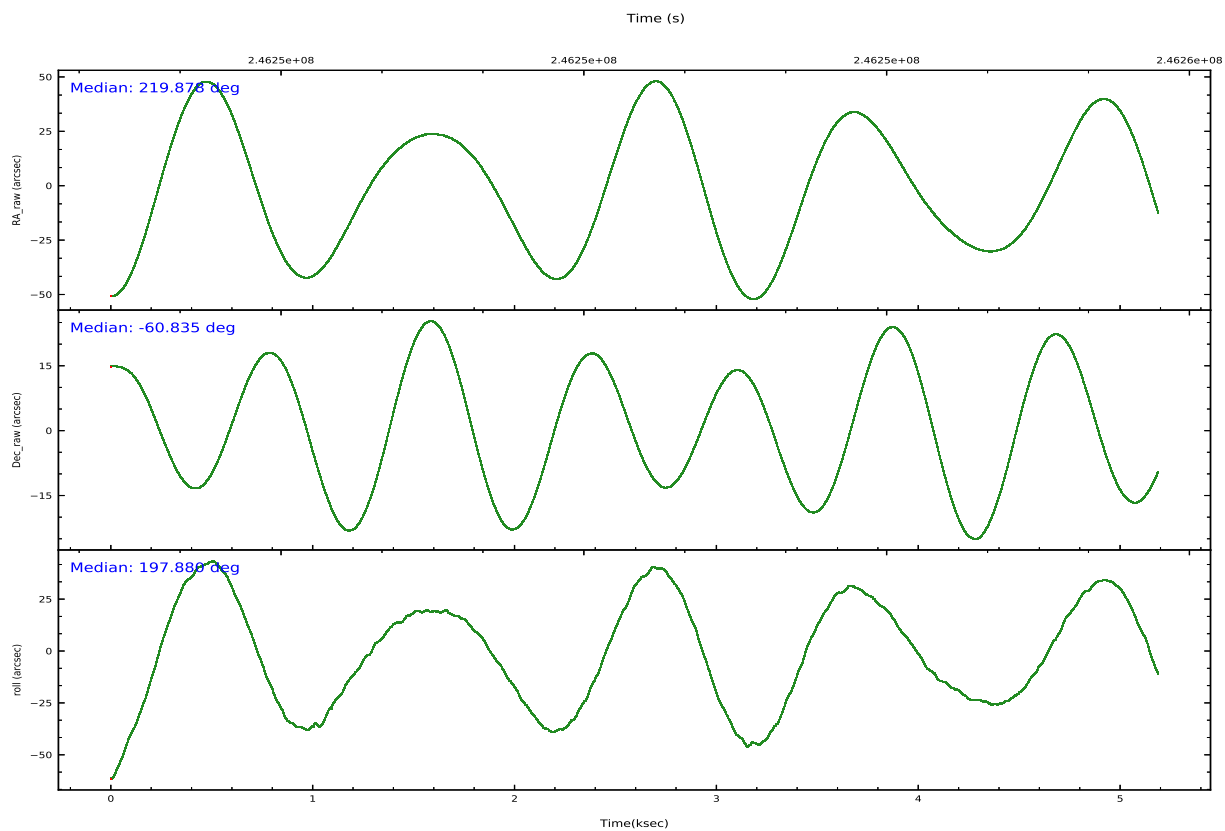
2.2 Compared Parameters

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	219.913615	219.87971203181
[deg] Pointing Dec	-60.814025	-60.83078384373
[deg] Pointing Roll	198.019083	197.87931962399
[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)	246250845.184000	246249900.604
Observation start date	2005-10-21T02:59:41	2005-10-21T02:45:00
[s] Observation end time (MET)	246255845.184000	246256403.7168
Observation end date	2005-10-21T04:23:01	2005-10-21T04:33:23

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

2.3 Aspect



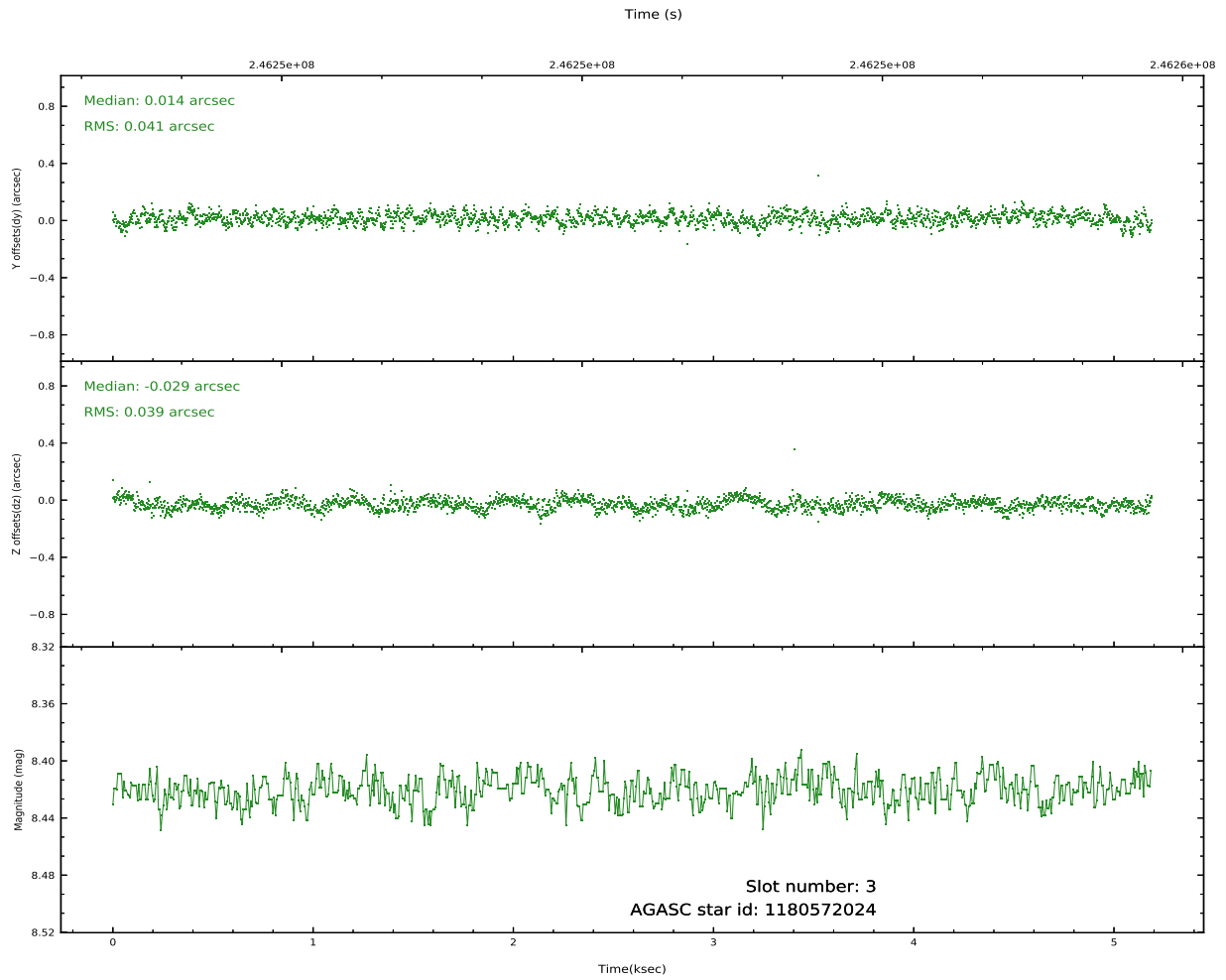
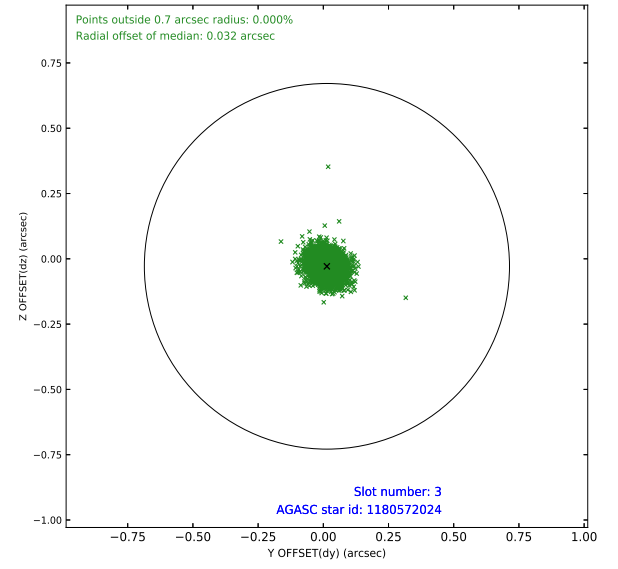
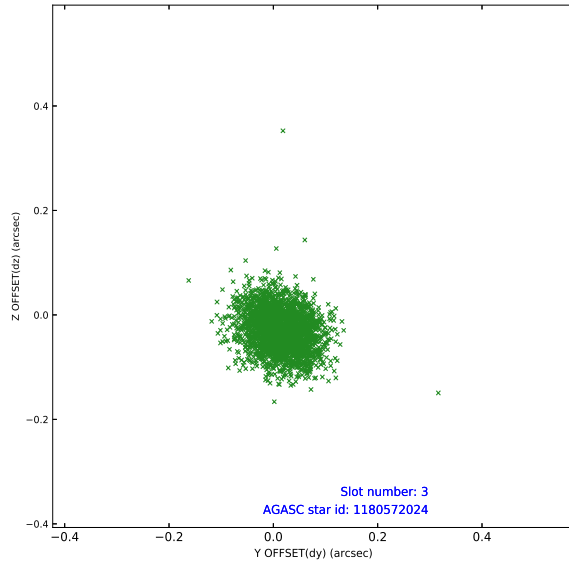


Slot Statistics

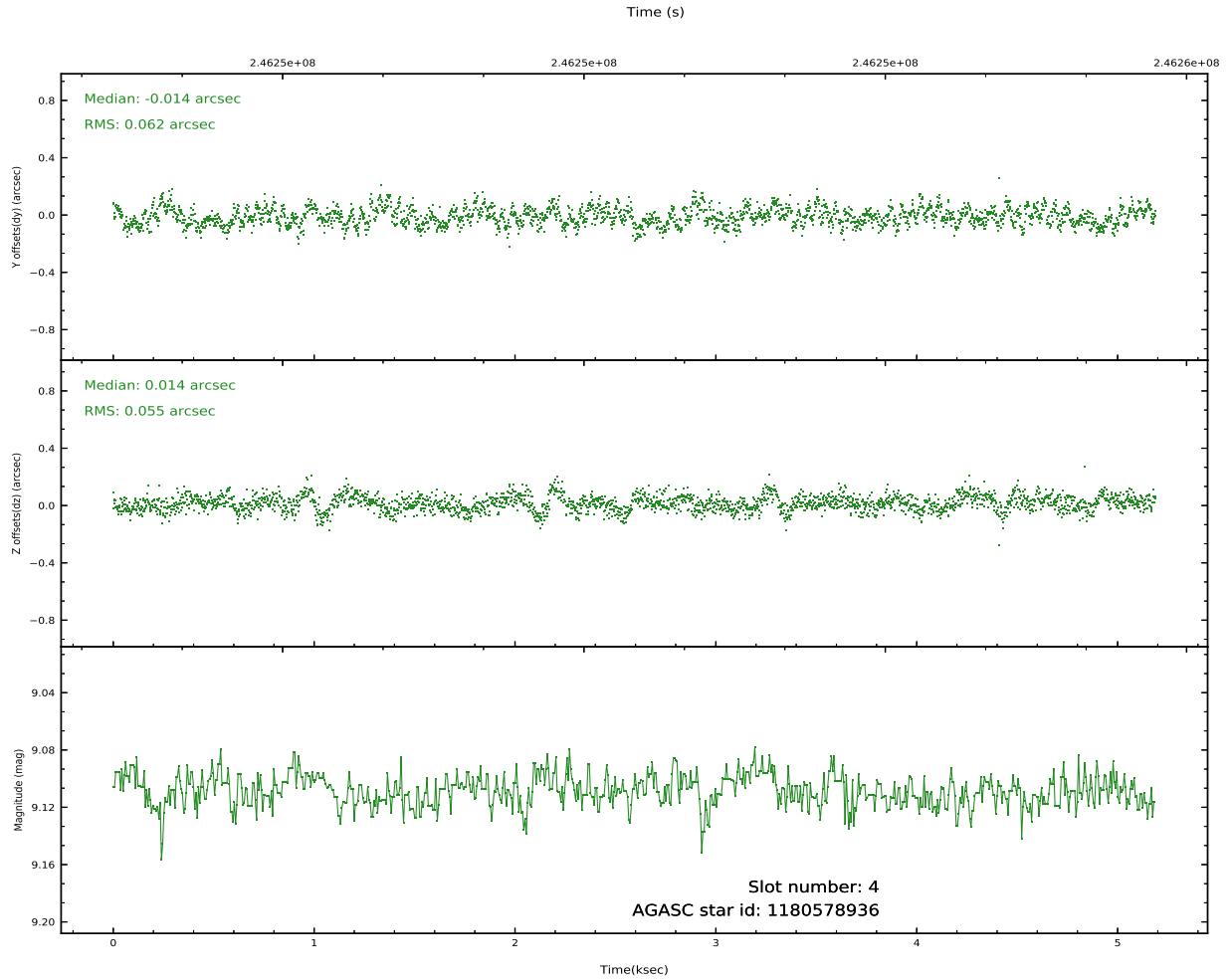
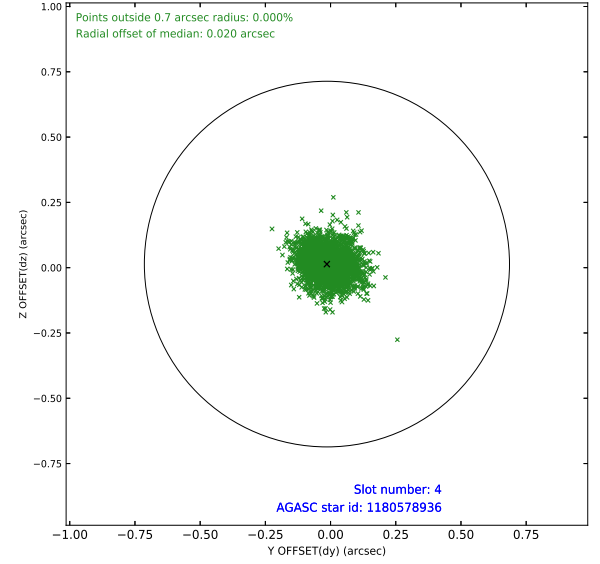
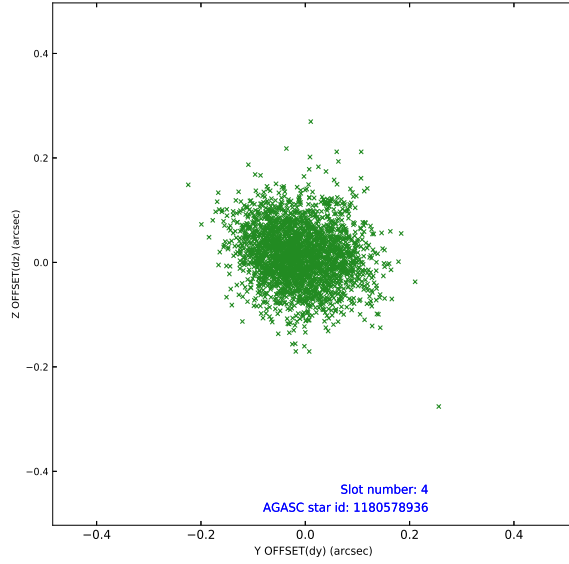
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	1266	1.000	-0.071	-0.091	0.006	0.010	0.000000	0.000000	-763.01	-1299
1	FID		HRC-I-2	7.03	1266	1.000	0.095	-0.053	0.007	0.011	0.000000	0.000000	849.19	-1301
2	FID		HRC-I-4	7.04	1266	1.000	0.093	0.051	0.006	0.009	0.000000	0.000000	1280.73	1001
3	GUIDE	used	1180572024	8.42	2532	1.000	0.014	-0.029	0.059	0.095	220.930377	-60.981487	-1496.99	1135
4	GUIDE	used	1180578936	9.11	2531	1.000	-0.014	0.014	0.088	0.142	220.919358	-61.155393	-1276.56	1722
5	GUIDE	used	1180589152	9.28	2531	1.000	-0.024	-0.026	0.093	0.148	219.760705	-61.382926	884.54	1867
6	GUIDE	used	1180603392	9.27	2531	1.000	-0.007	0.034	0.116	0.189	221.526441	-61.206550	-2210.39	2242
7	GUIDE	used	1180612104	9.01	2529	1.000	0.031	0.006	0.071	0.116	220.502279	-60.631704	-1190.00	-297

2.4 Star Slots

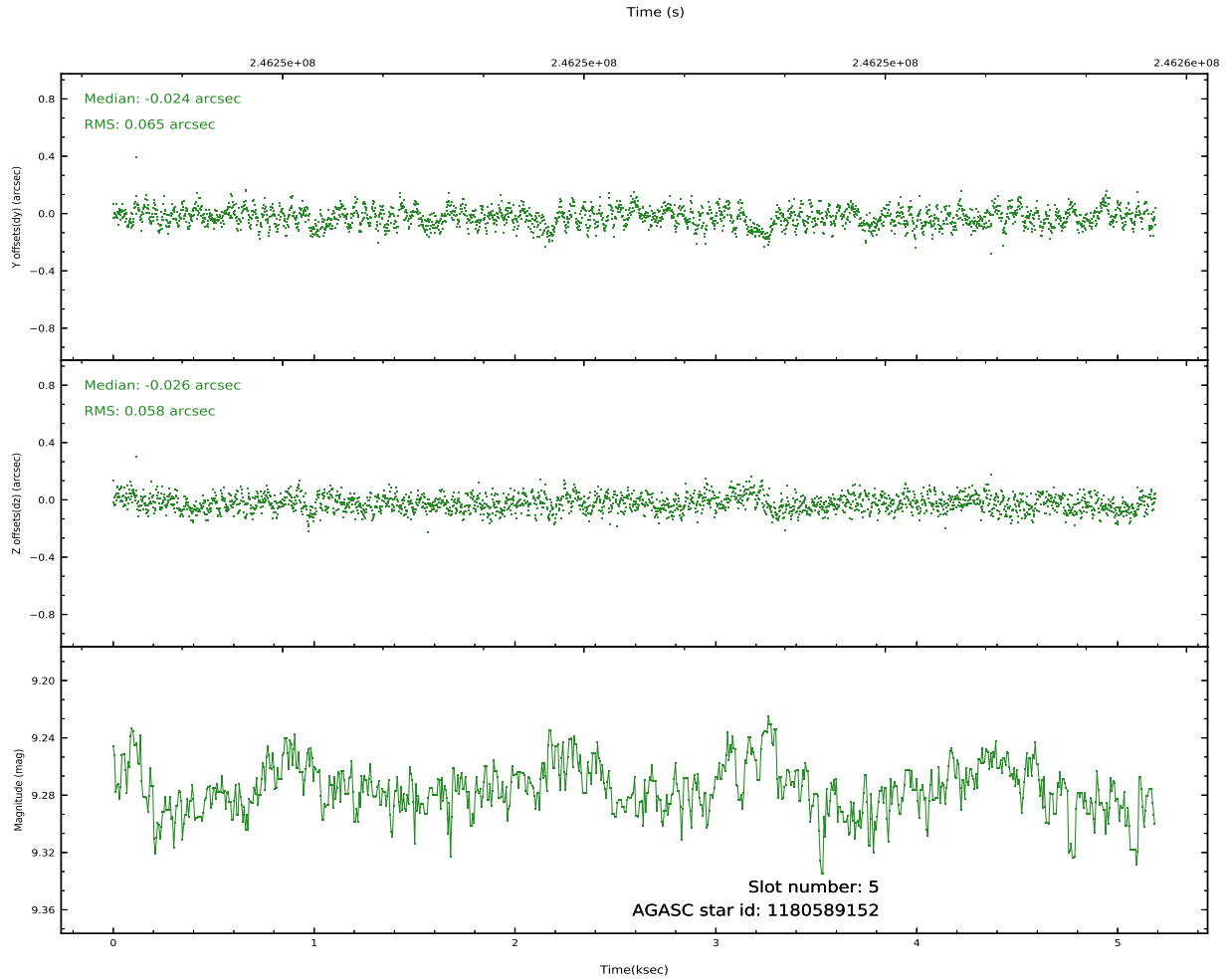
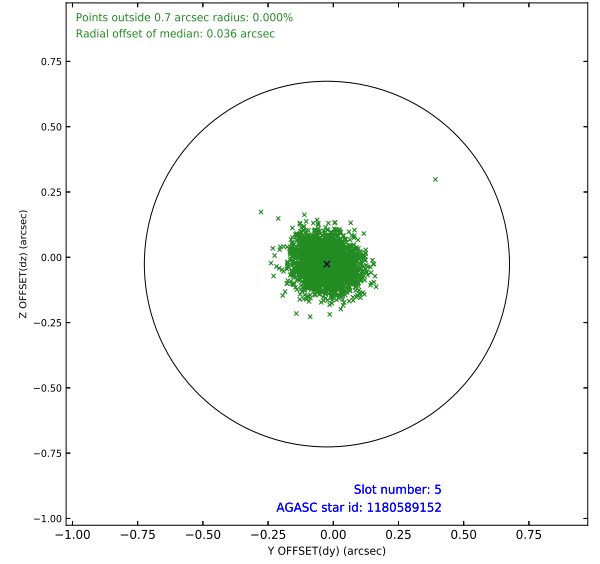
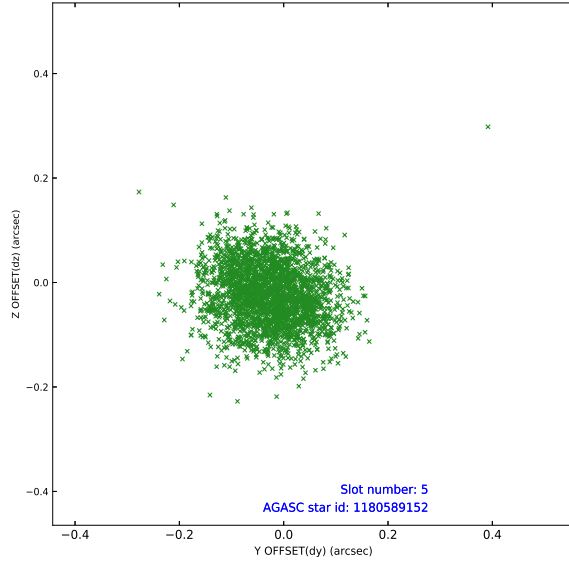
2.4.1 Slot 3



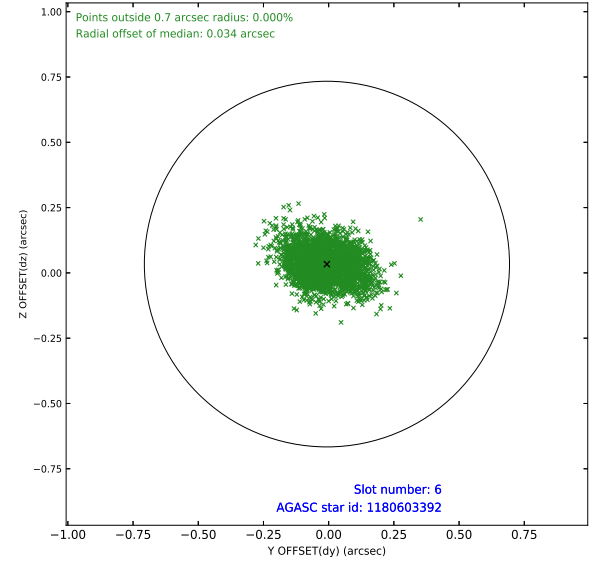
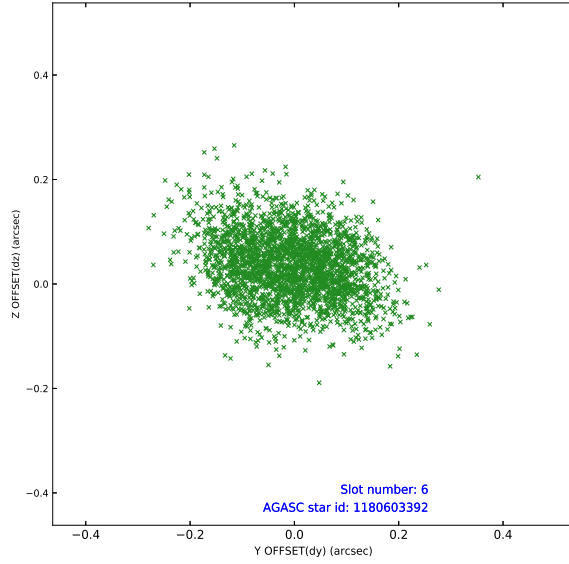
2.4.2 Slot 4



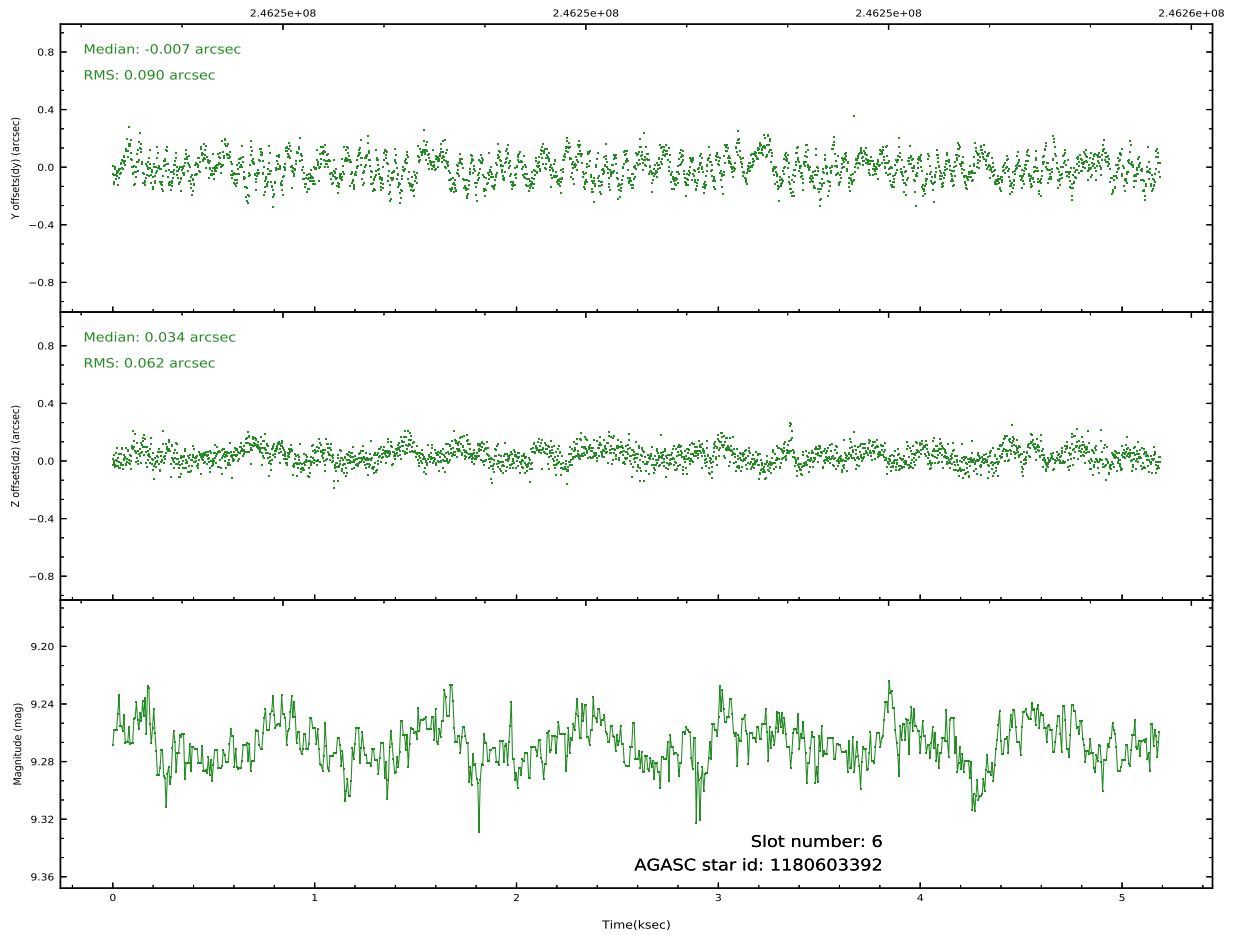
2.4.3 Slot 5



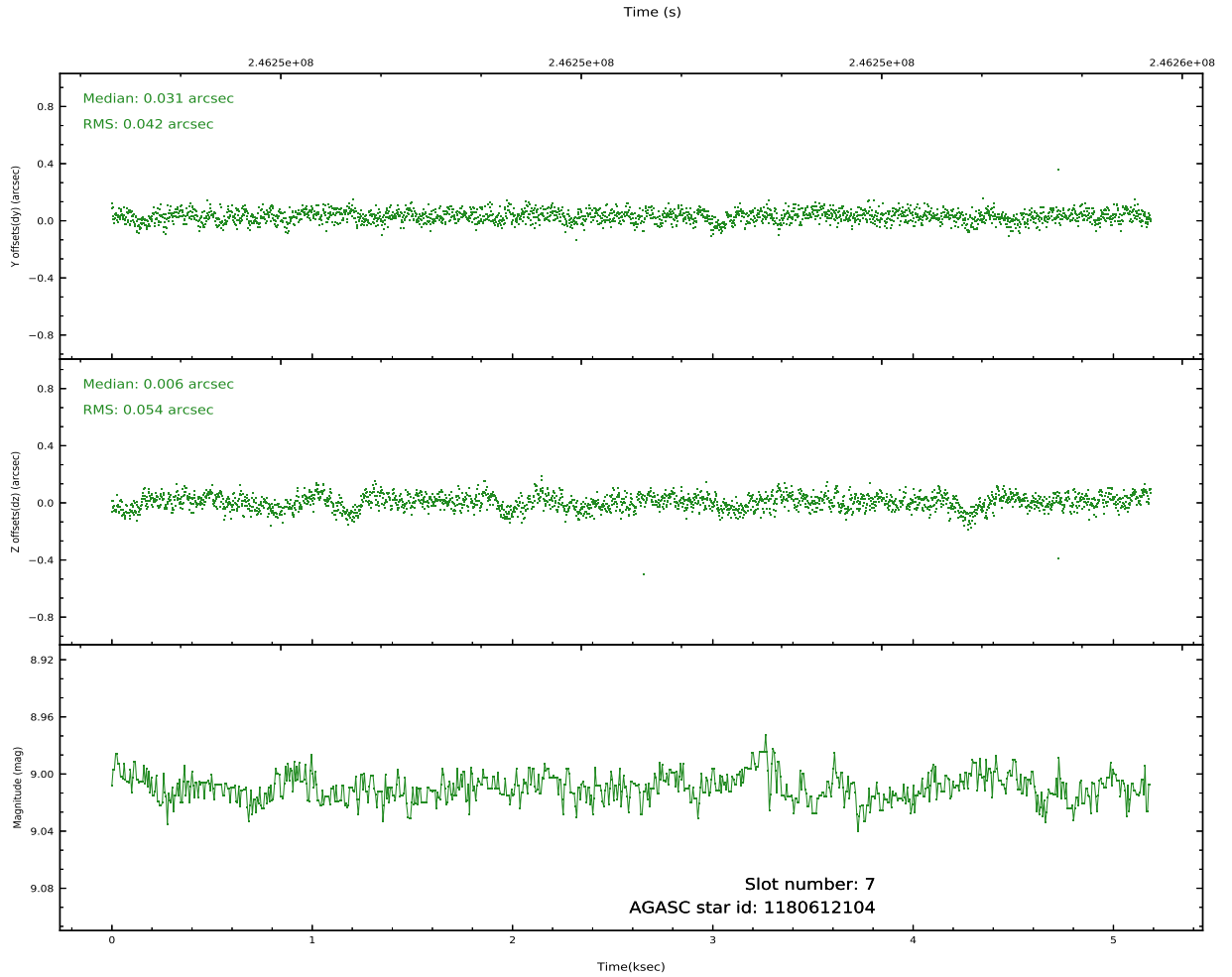
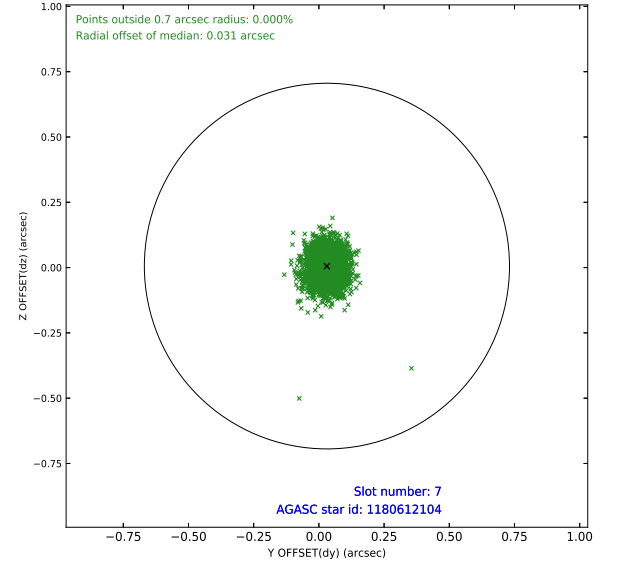
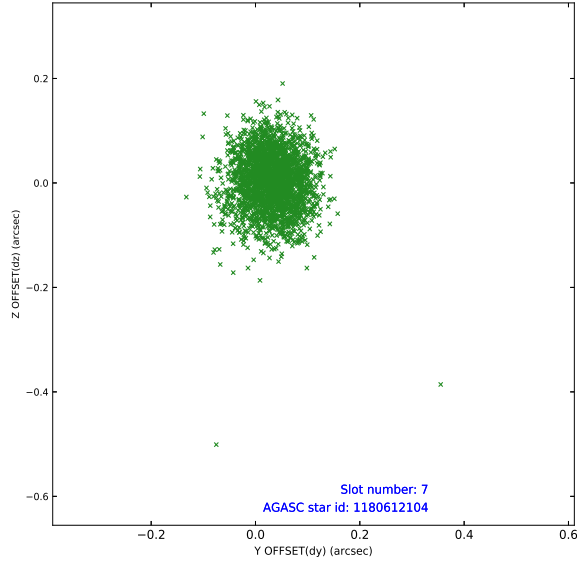
2.4.4 Slot 6



Time (s)

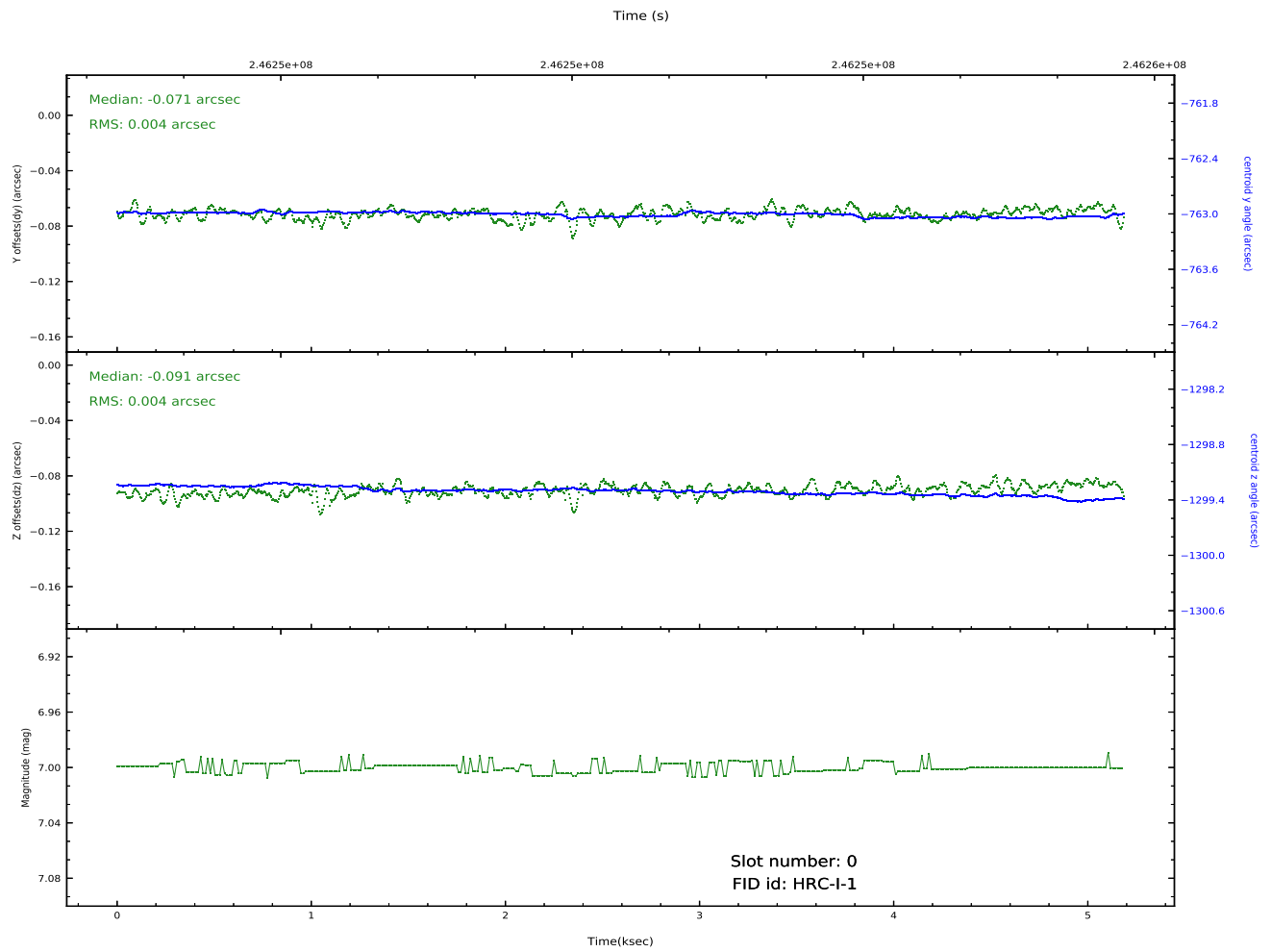
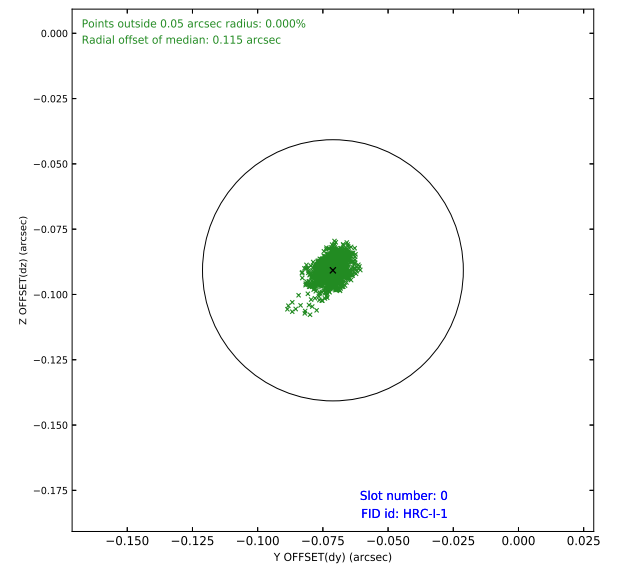
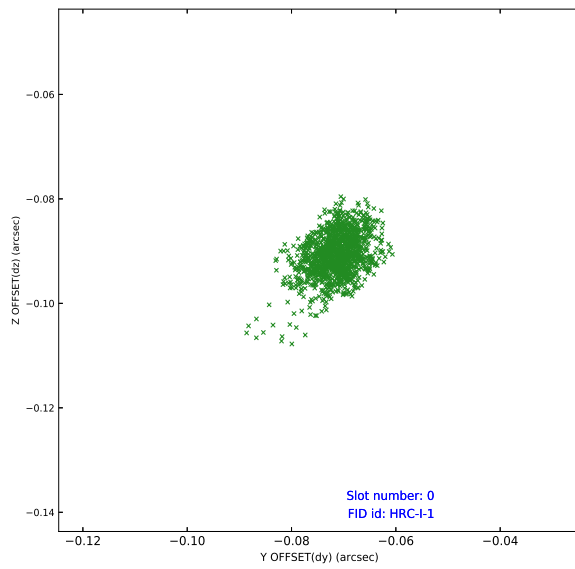


2.4.5 Slot 7

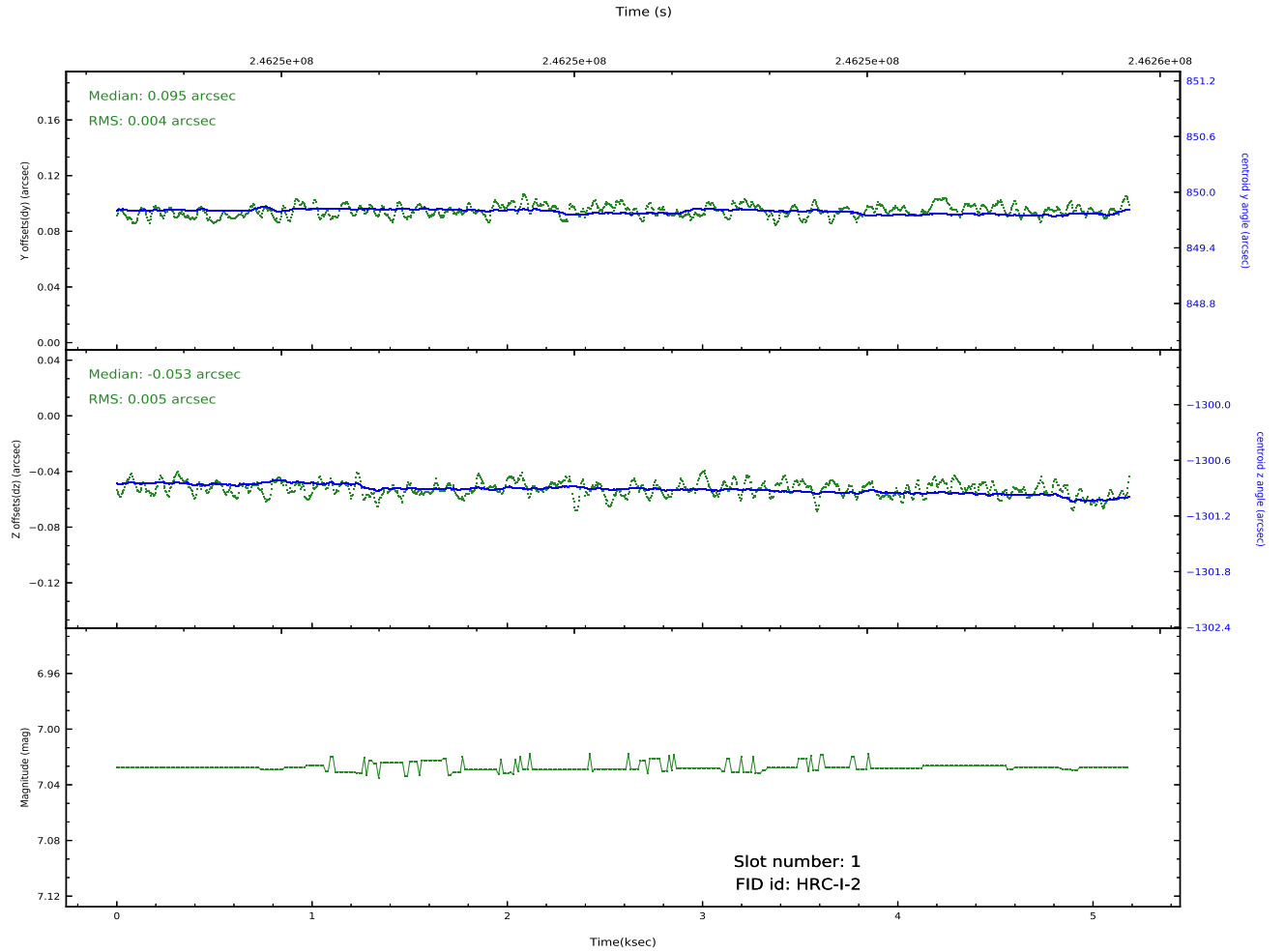
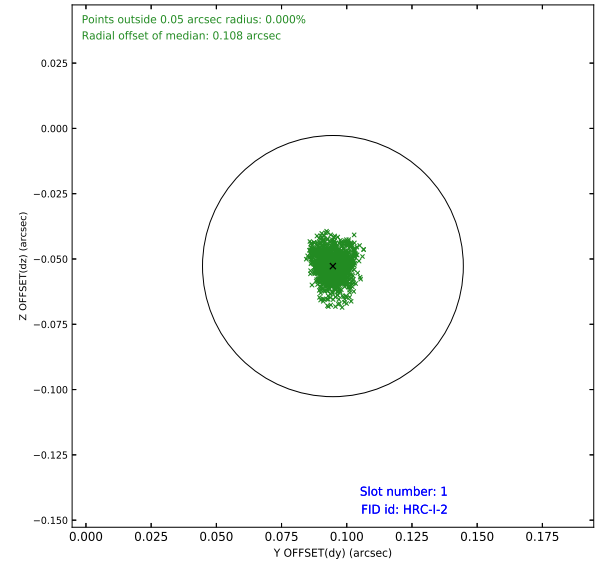
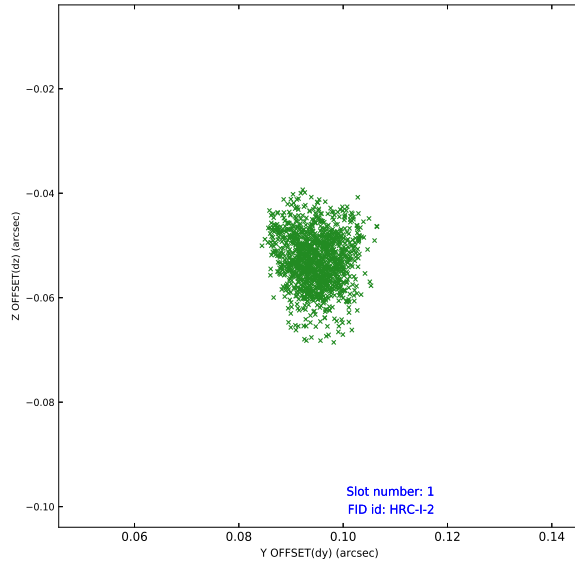


2.5 FID Slots

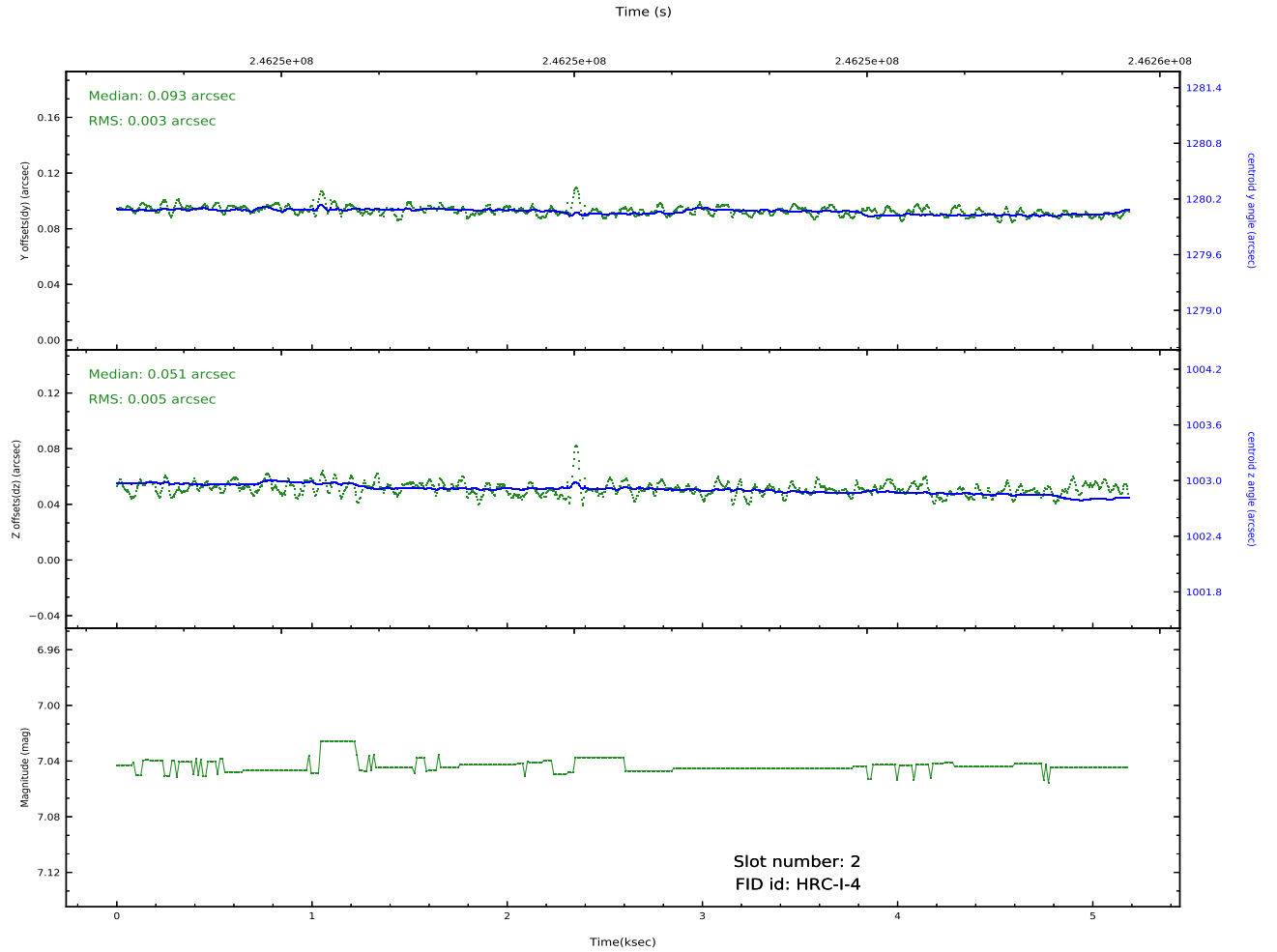
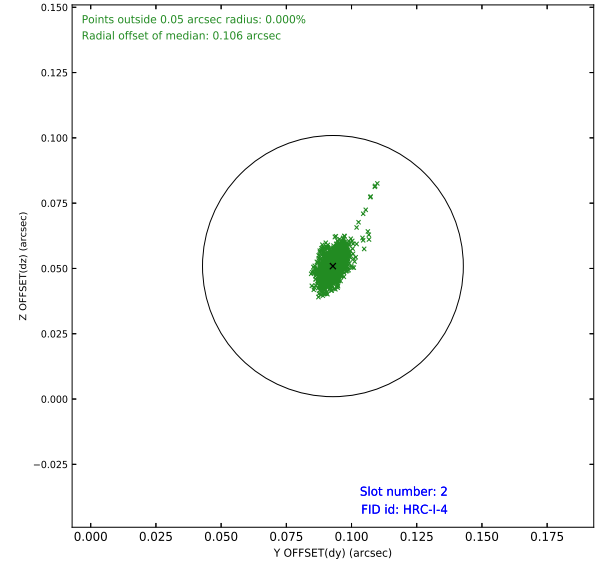
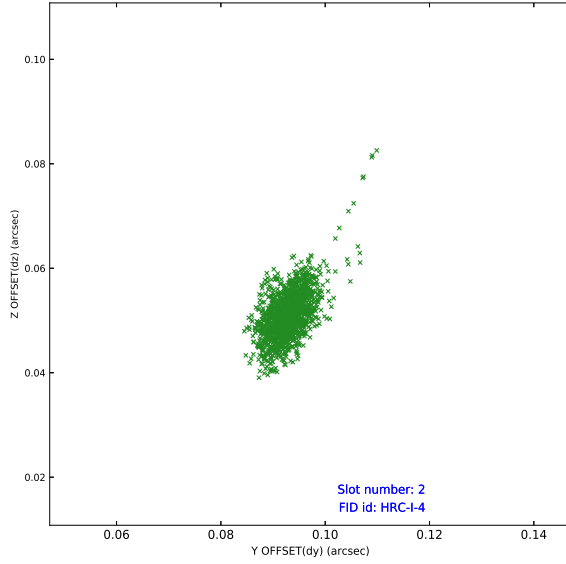
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.187781

A.2 Comments