

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4848 - L2 Version 5
Chandra X-Ray Center

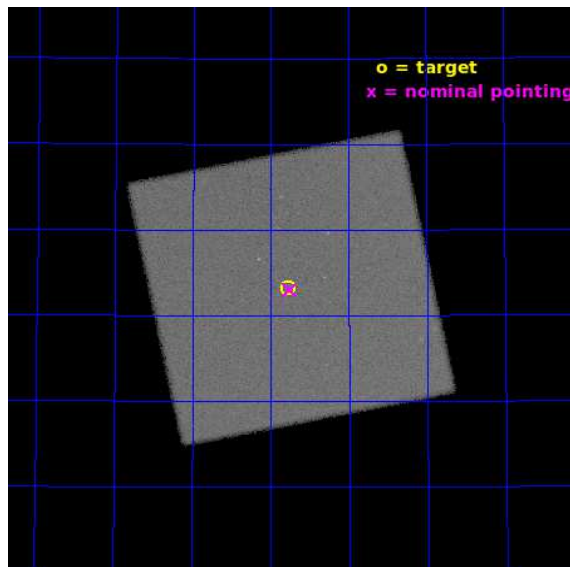
L2 Processing Date : Oct 1 2020

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

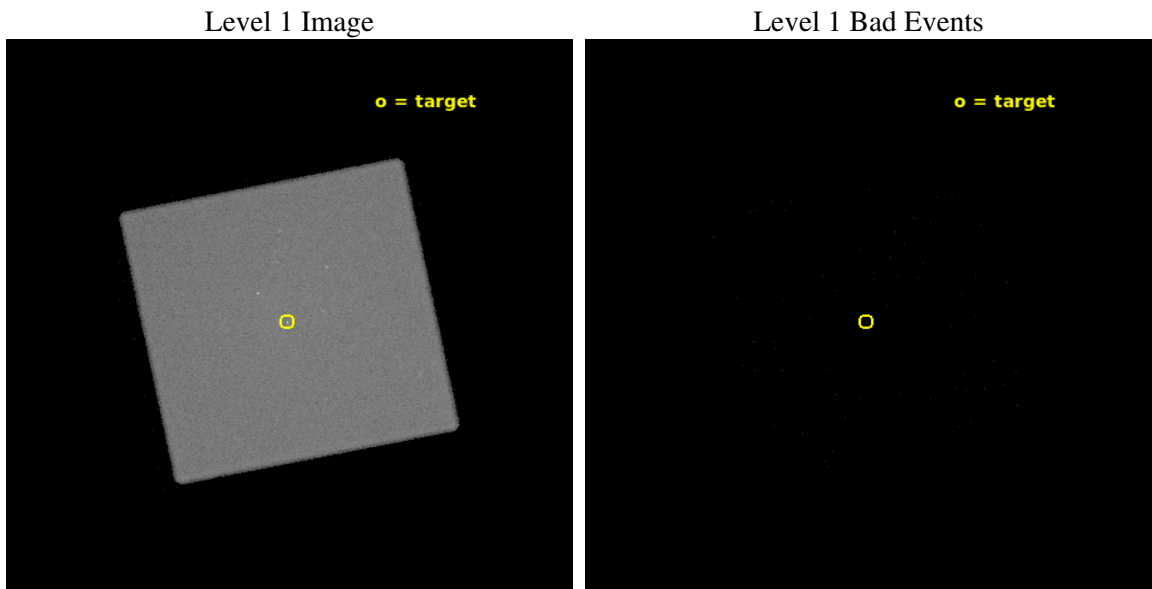
seq_num	700930	Sequence number
obs_id	4848	Observation id
title	EXTENDED EMISSION AND ACCRETION RATES IN BL LACERTAE OBJECTS	Propo
observer	Dr. Rita Sambruna	Principal investigator
object	PG 1418+546	Source name
ra_targ	214.944167	Observer's specified target RA [deg]
dec_targ	54.387444	Observer's specified target Dec [deg]
ra_nom	214.93875104007	Nominal RA [deg]
dec_nom	54.383942141007	Nominal Dec [deg]
roll_nom	303.44546287314	Nominal Roll [deg]
revision	5	Processing version of data
ontime	20160.469649255	[s]
livetime	20018.022306193	Ontime multiplied by DTCOR
l2events	775350	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	20160.469649255	[s]
caldbver	4.9.2	 	l1events	1198820	Number of level 1 events
date	2020-10-01T23:14:03	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

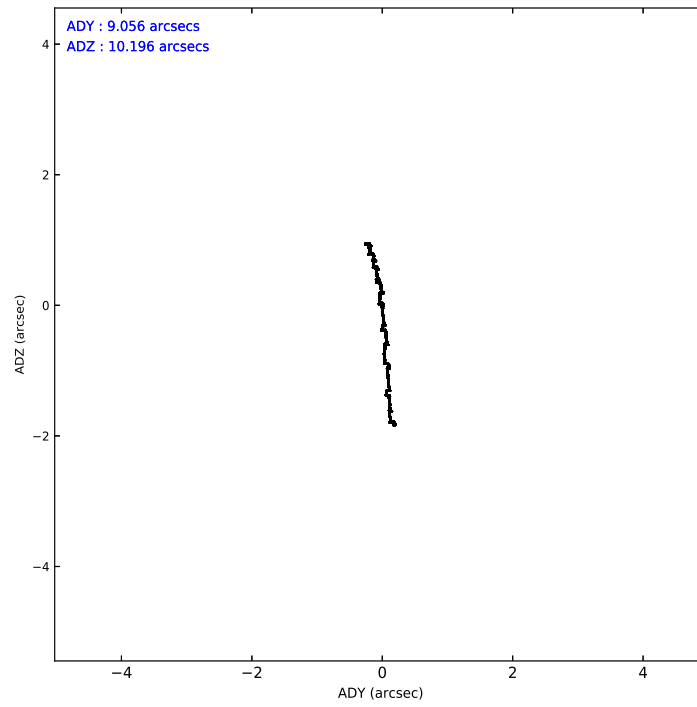
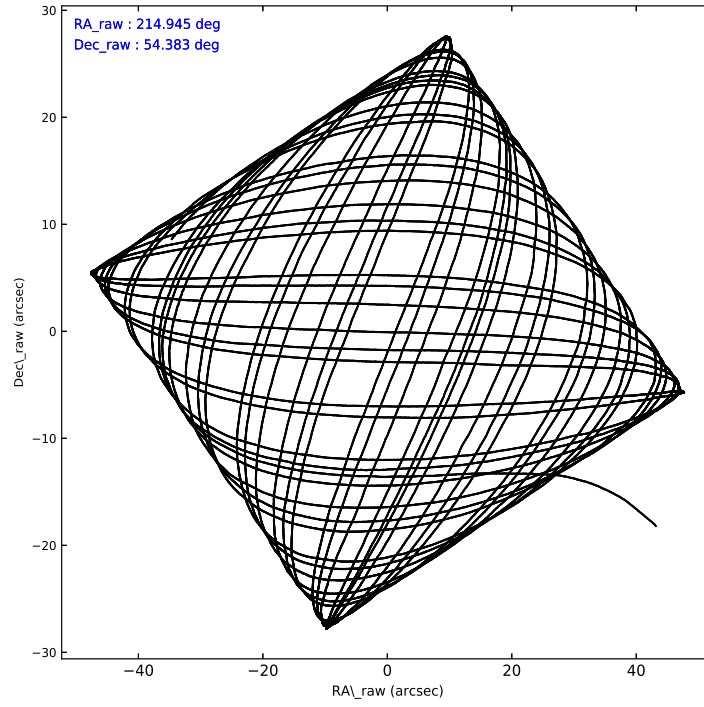
	segment 0
level 1 events	1198820
rejected events	52738
rejected %	4%

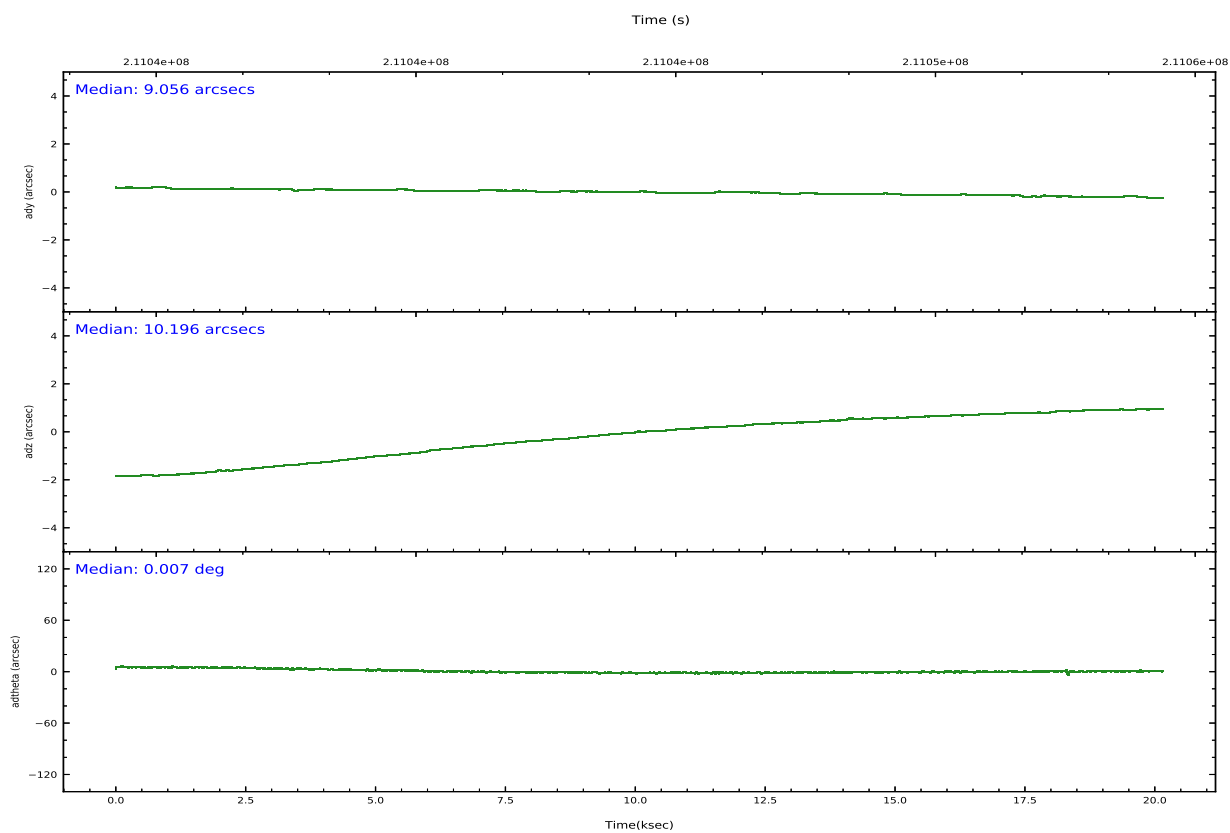
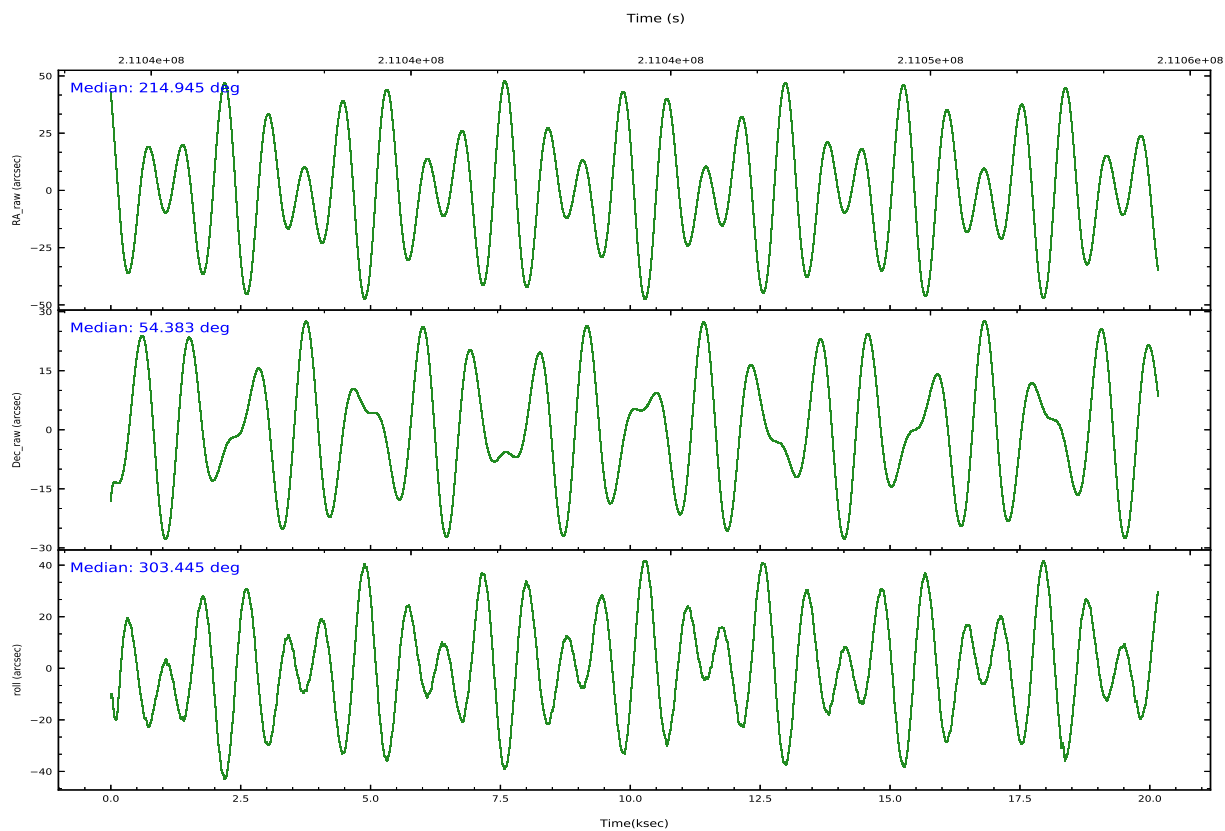
2.2 Compared Parameters

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	214.903382	214.93875104007
[deg] Pointing Dec	54.394892	54.383942141007
[deg] Pointing Roll	303.587400	303.44546287314
[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)	211034382.184000	211033279.05599
Observation start date	2004-09-08T12:38:38	2004-09-08T12:21:19
[s] Observation end time (MET)	211054382.184000	211054596.49445
Observation end date	2004-09-08T18:11:58	2004-09-08T18:16:36

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

2.3 Aspect



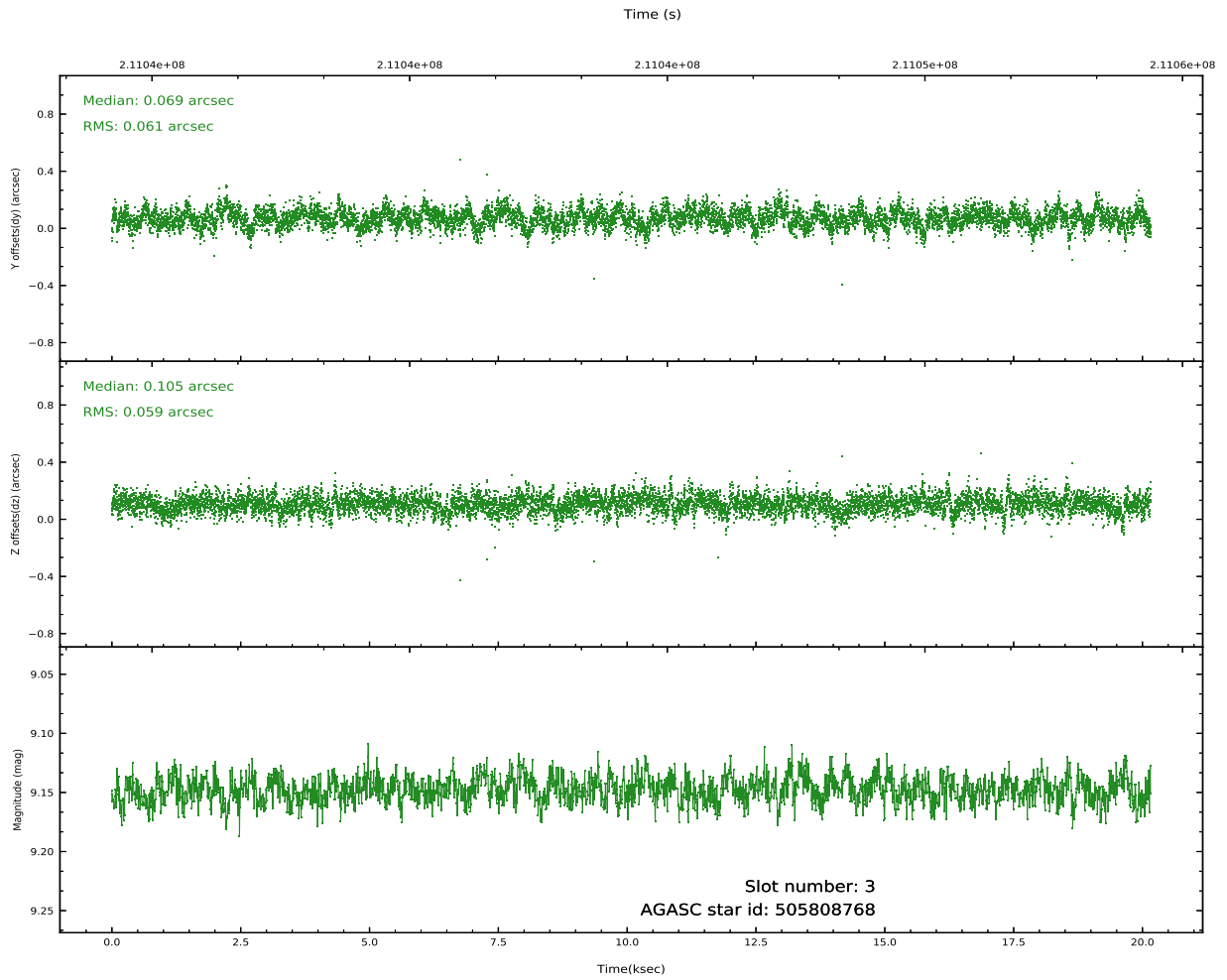
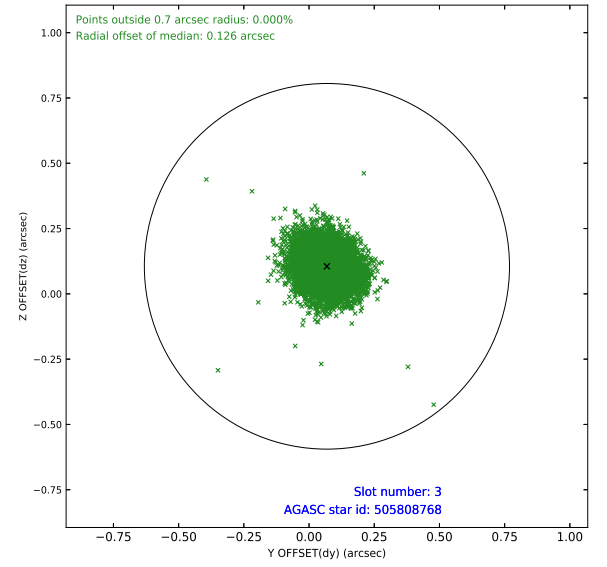
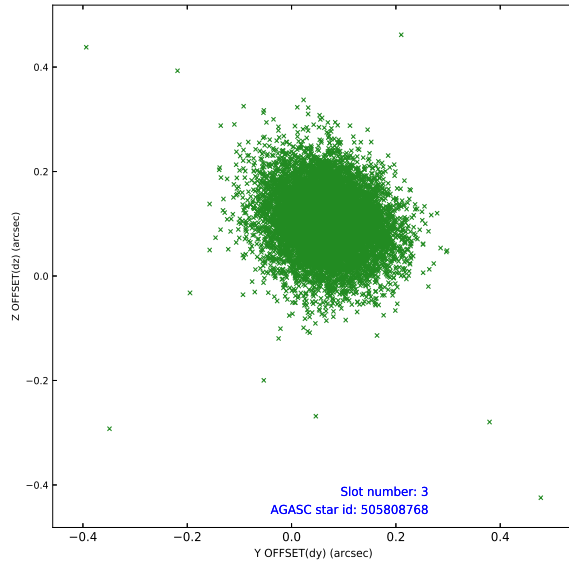


Slot Statistics

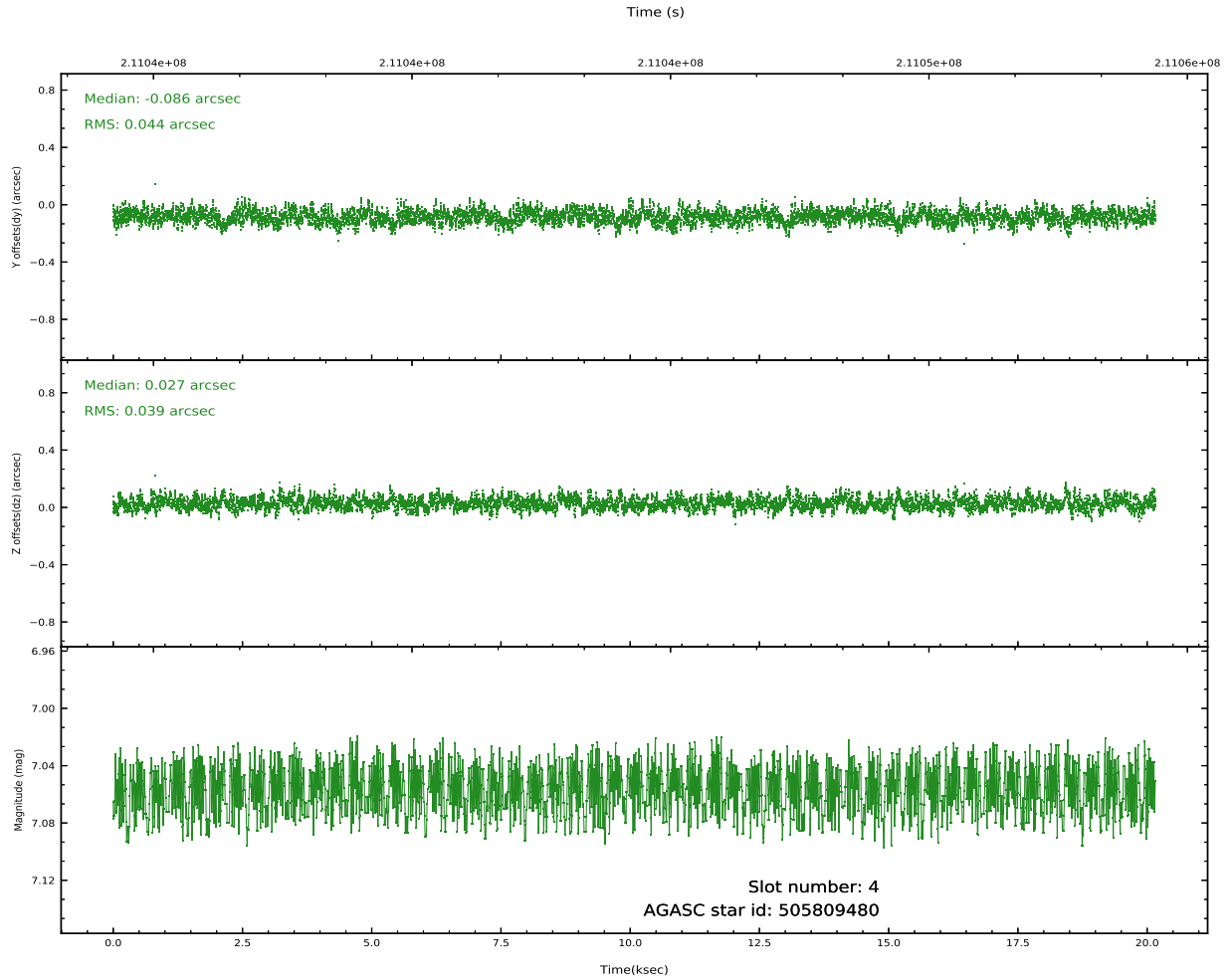
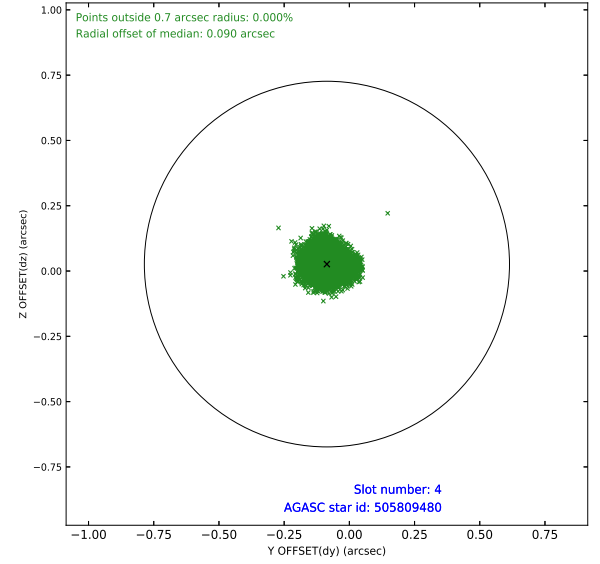
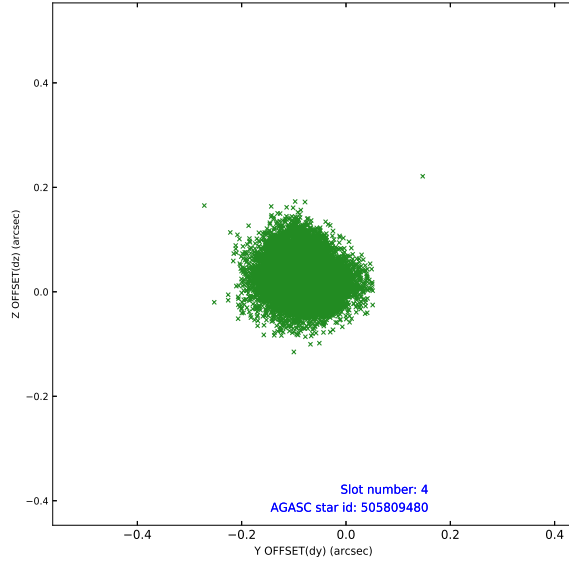
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.02	4918	1.000	0.064	-0.081	0.014	0.039	0.000000	0.000000	848.05	-1299
1	FID		HRC-I-3	7.06	4917	1.000	-0.069	0.002	0.013	0.036	0.000000	0.000000	-1193.09	1006
2	FID		HRC-I-4	7.00	4917	1.000	0.124	-0.008	0.012	0.020	0.000000	0.000000	1277.97	1004
3	GUIDE	used	505808768	9.15	9827	1.000	0.069	0.105	0.089	0.147	215.134825	54.676831	-579.69	963
4	GUIDE	used	505809480	7.06	9835	1.000	-0.086	0.027	0.063	0.098	214.265638	54.542866	-1185.52	-811
5	GUIDE	used	505809688	6.86	9835	1.000	-0.118	-0.090	0.076	0.124	214.732961	54.863763	-1601.81	639
6	GUIDE	used	505810968	9.36	9813	1.000	0.177	0.043	0.093	0.154	215.076643	54.505214	-130.21	521
7	GUIDE	used	505808256	7.78	9831	1.000	-0.047	-0.088	0.061	0.097	213.522404	54.637471	-2342.19	-1897

2.4 Star Slots

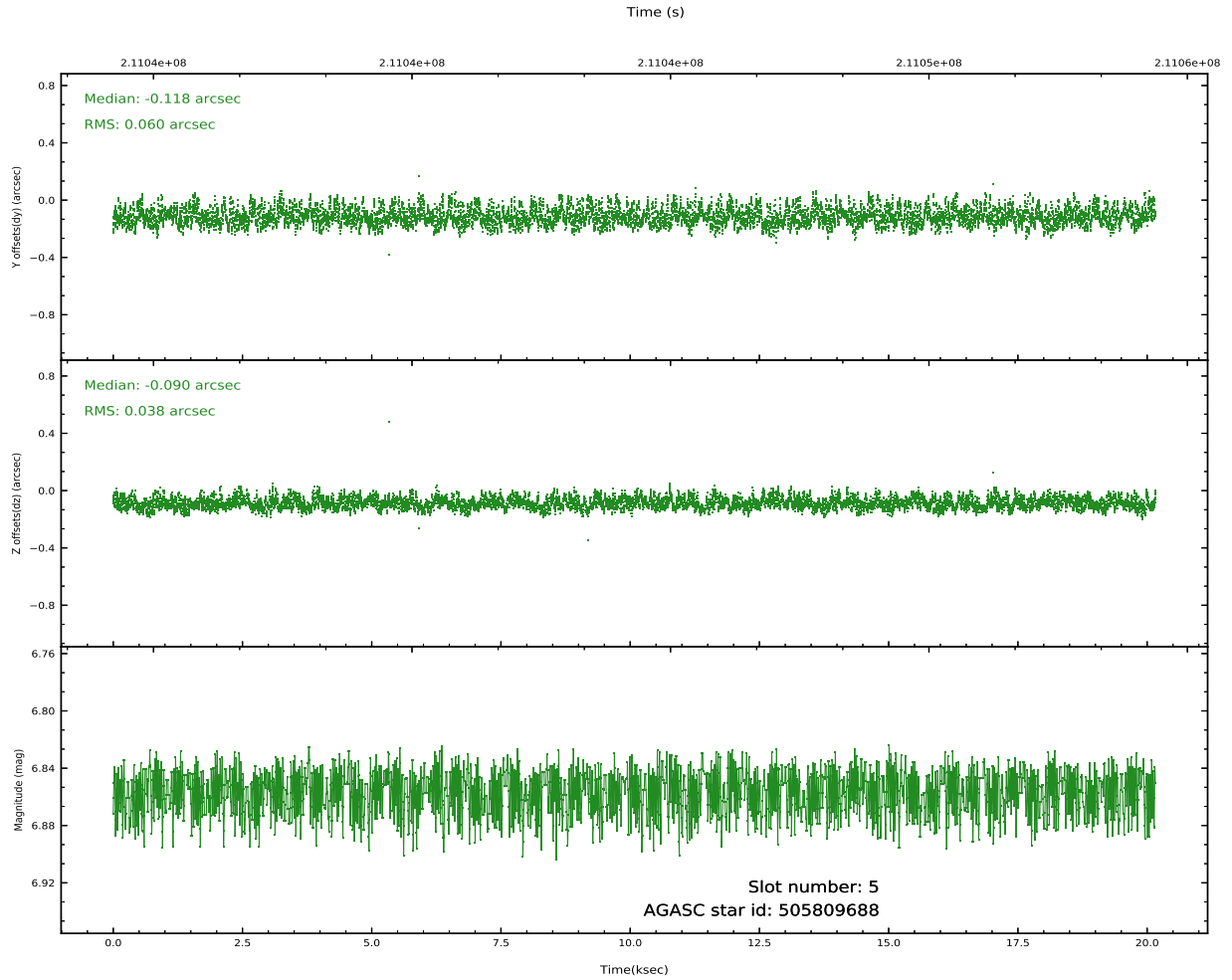
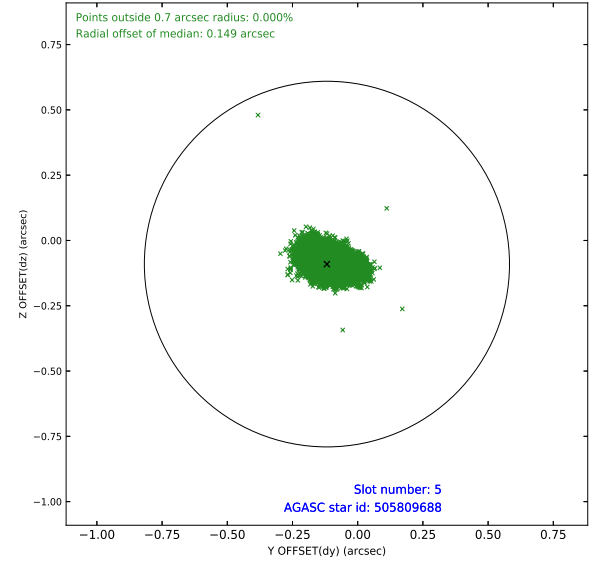
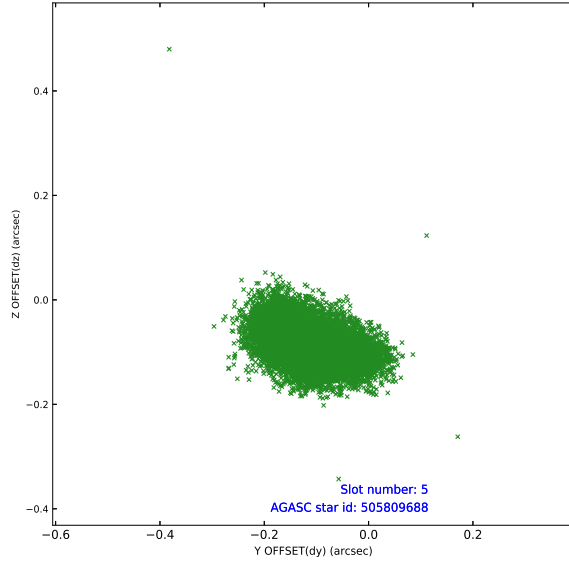
2.4.1 Slot 3



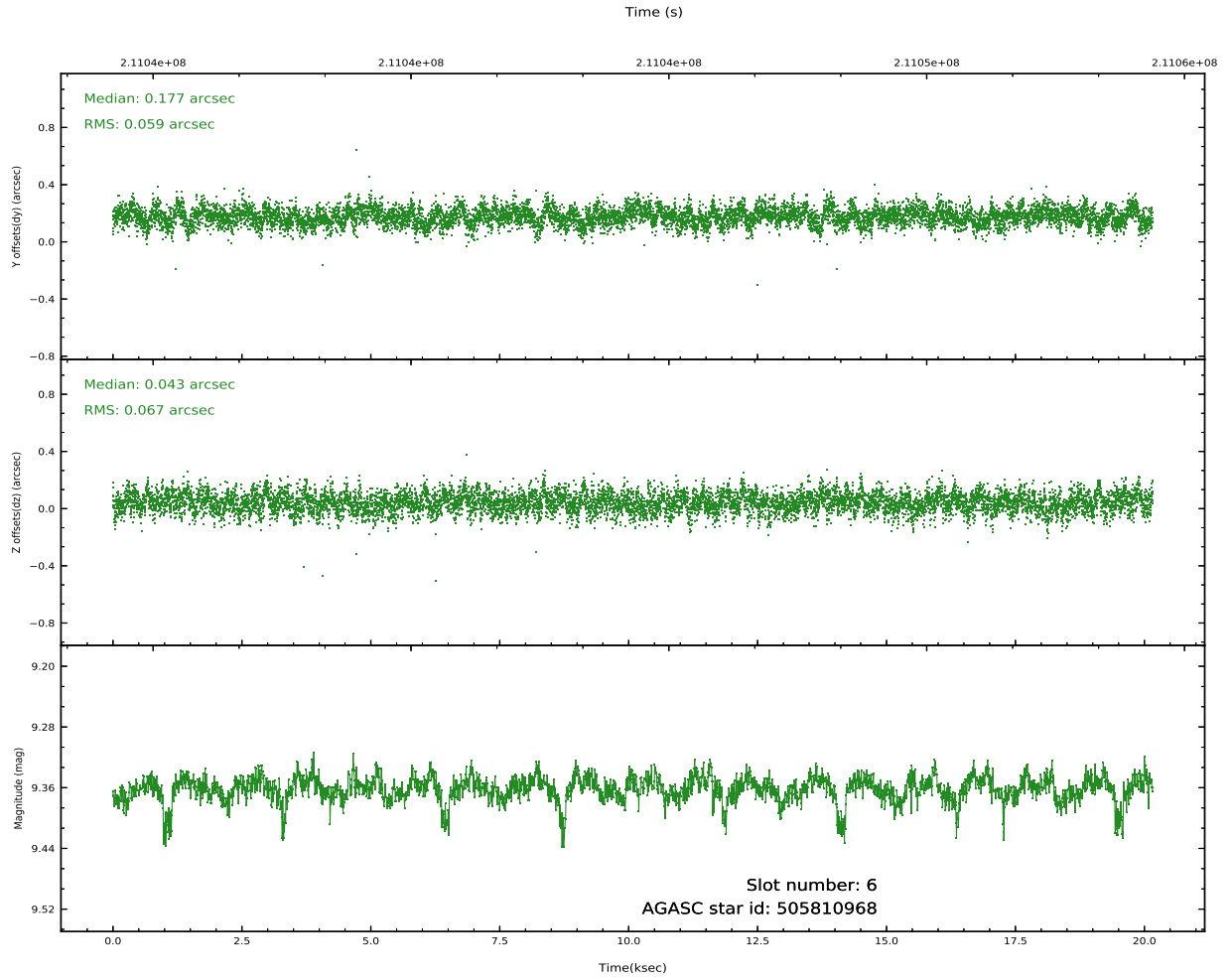
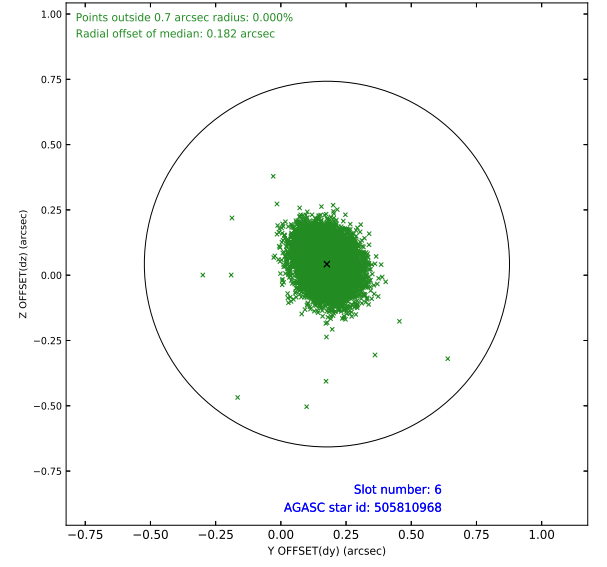
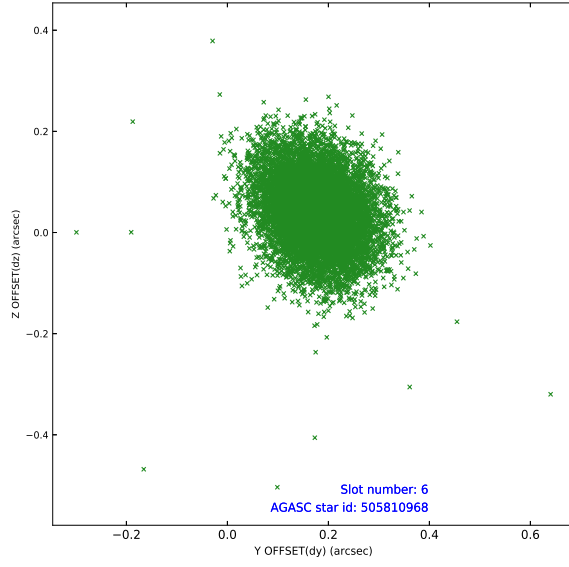
2.4.2 Slot 4



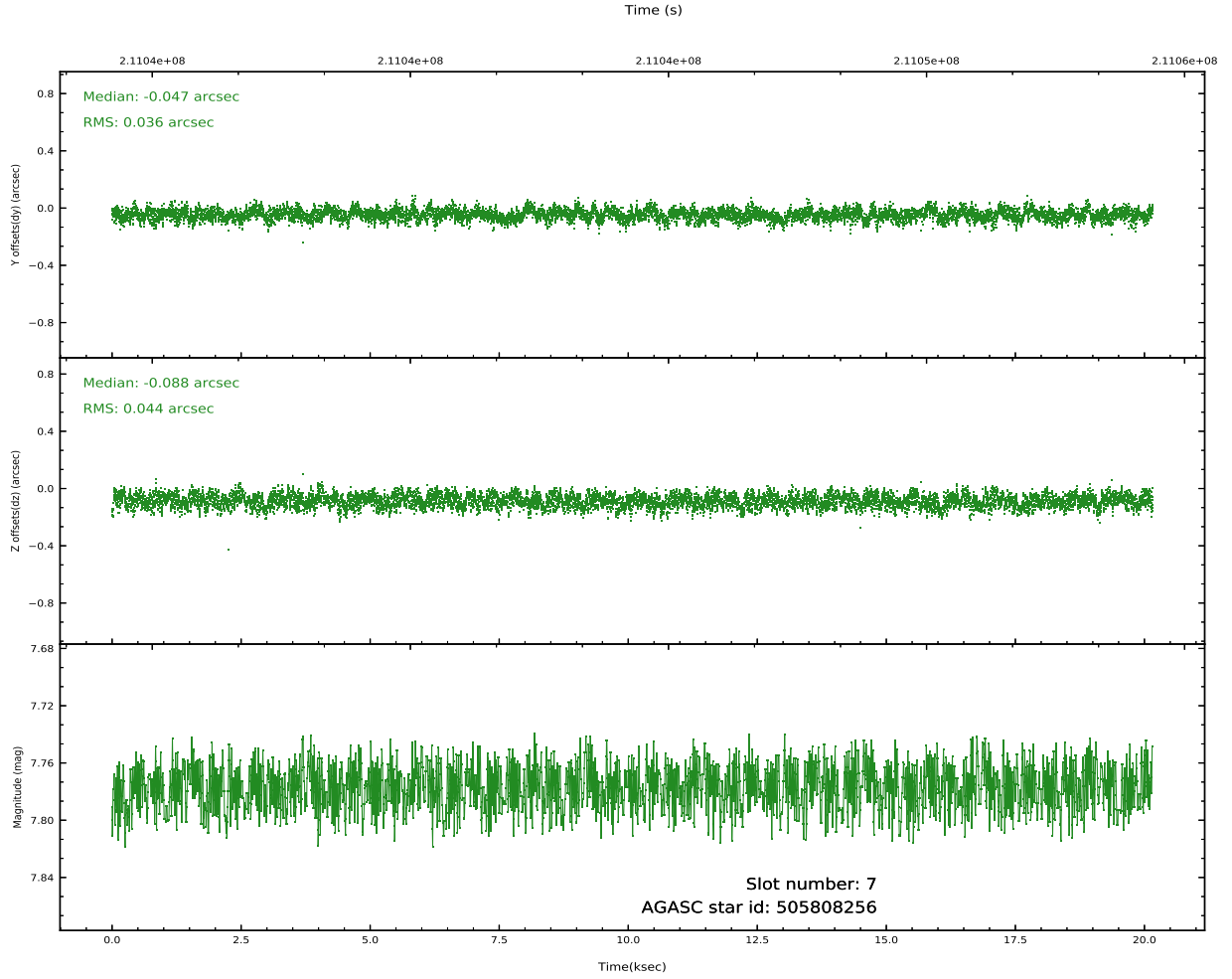
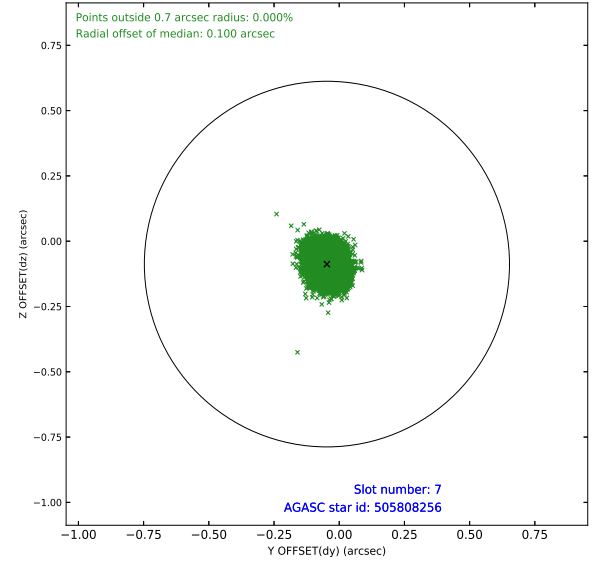
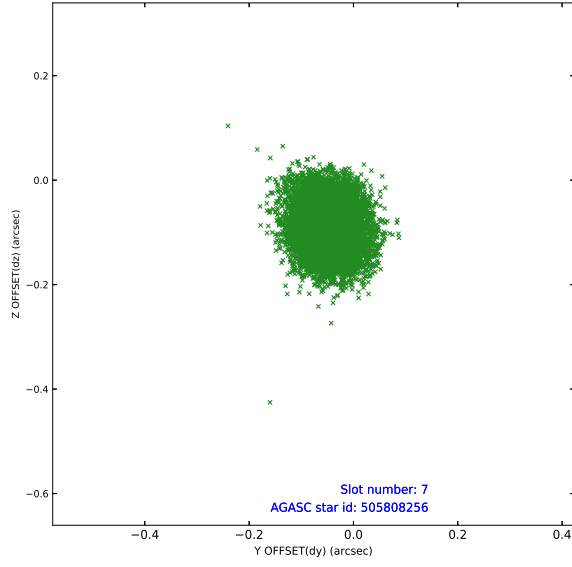
2.4.3 Slot 5



2.4.4 Slot 6

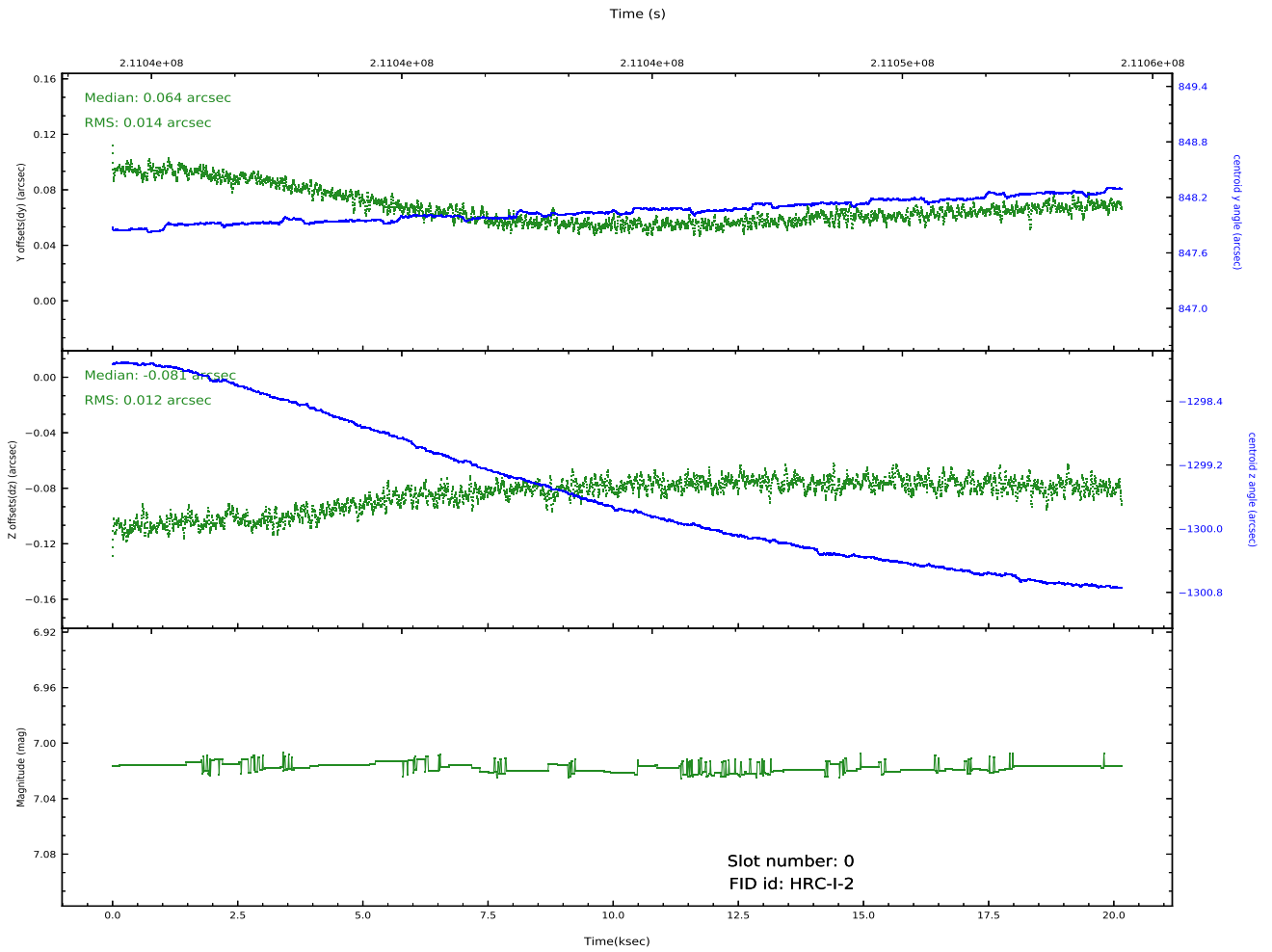
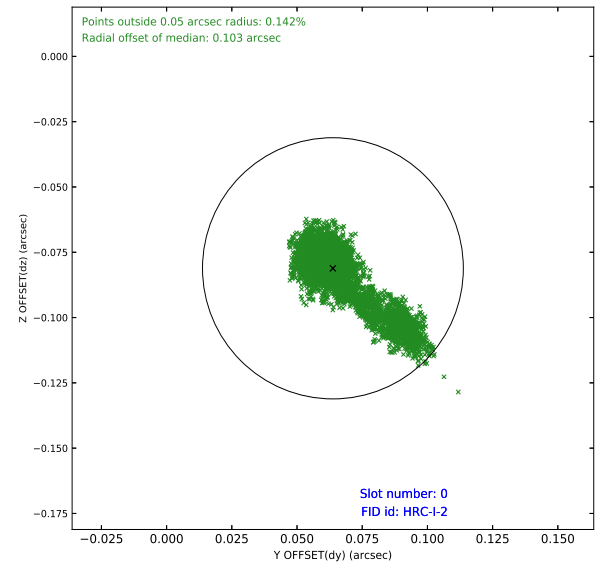
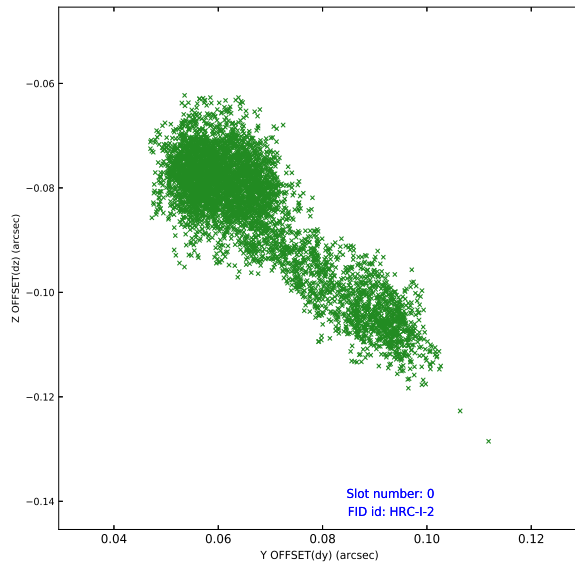


2.4.5 Slot 7

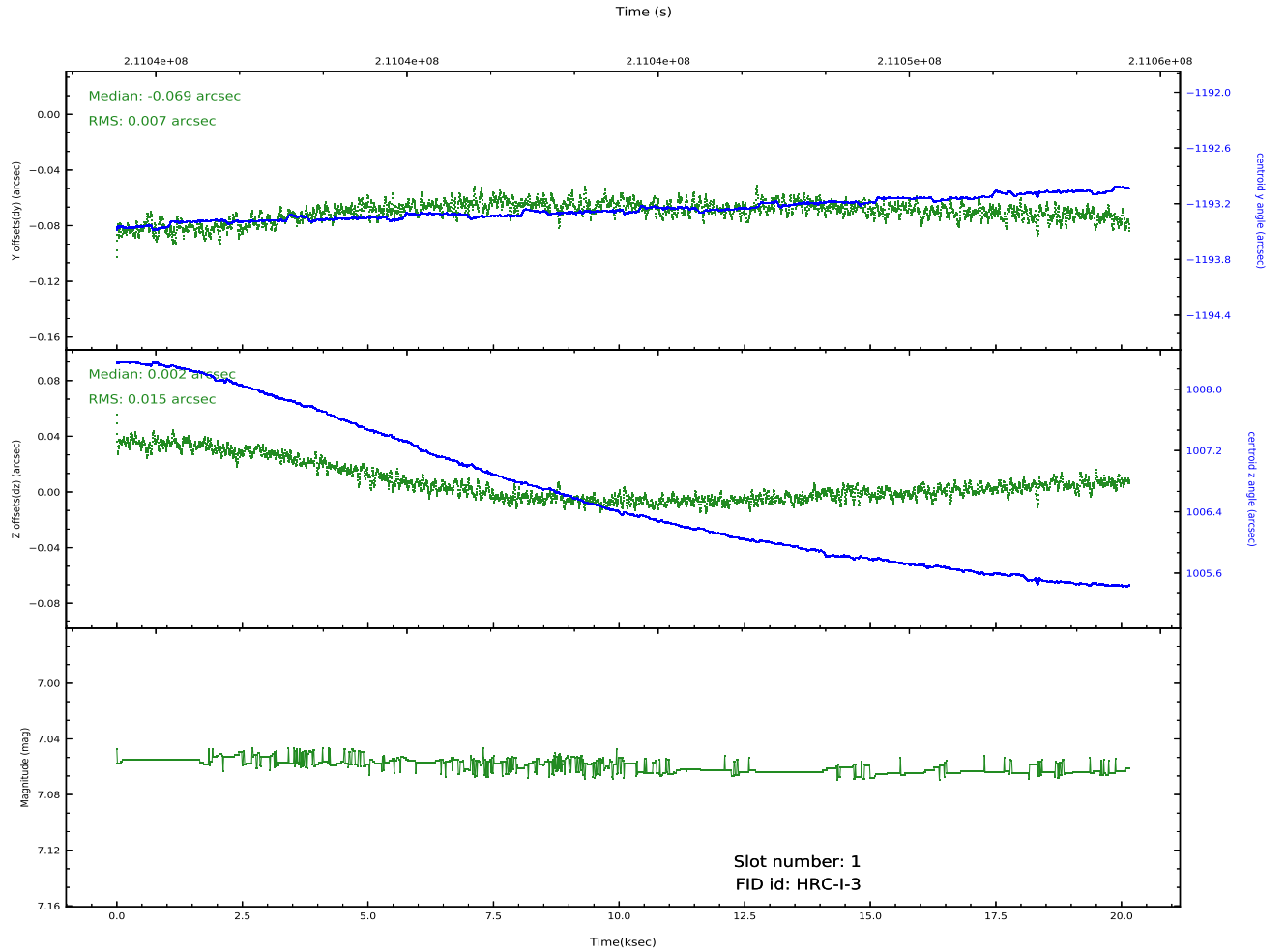
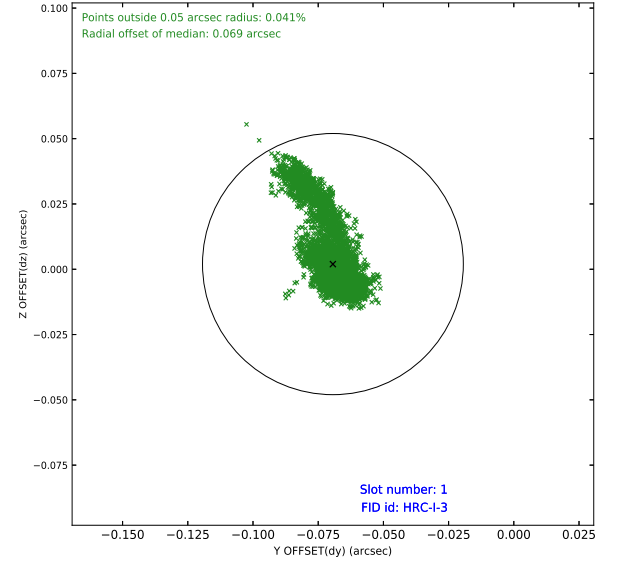
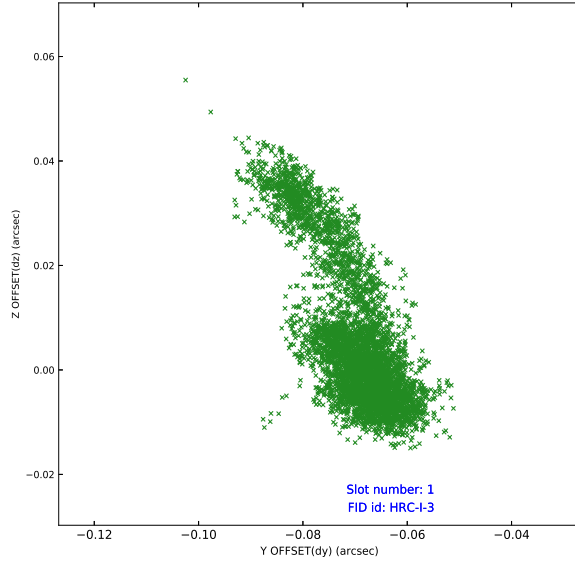


2.5 FID Slots

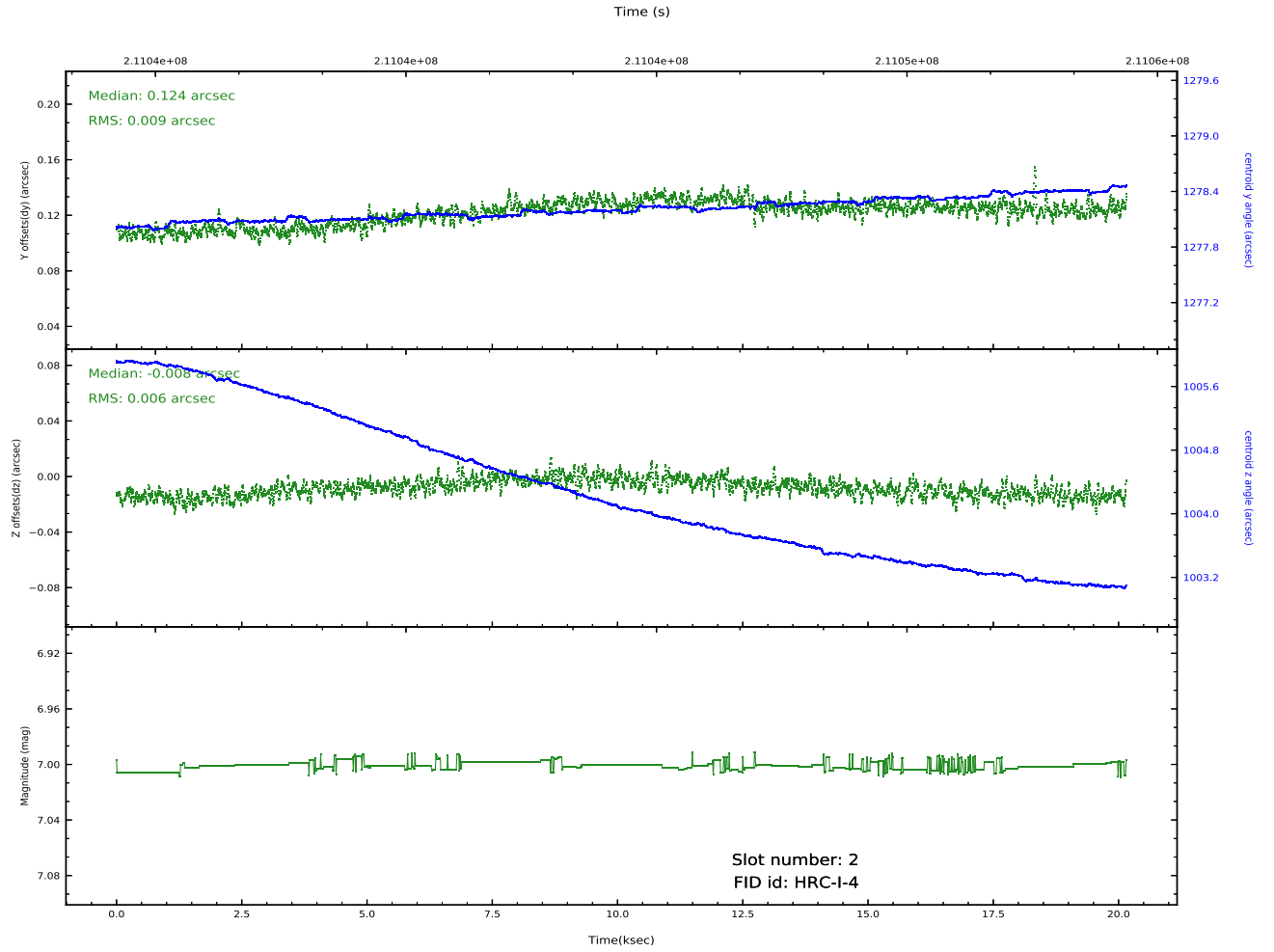
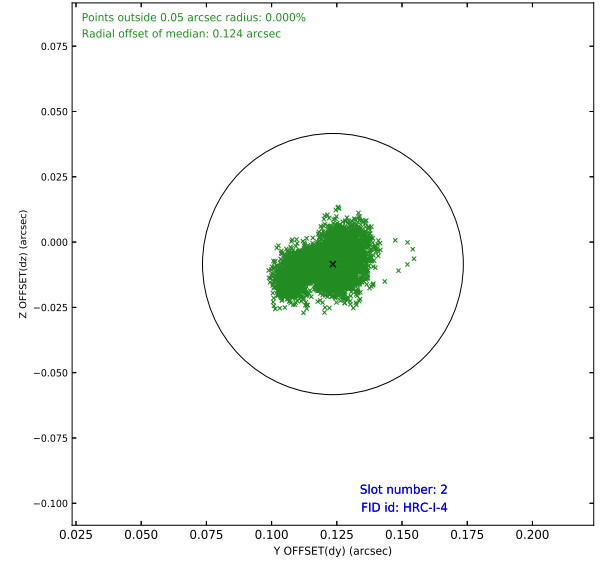
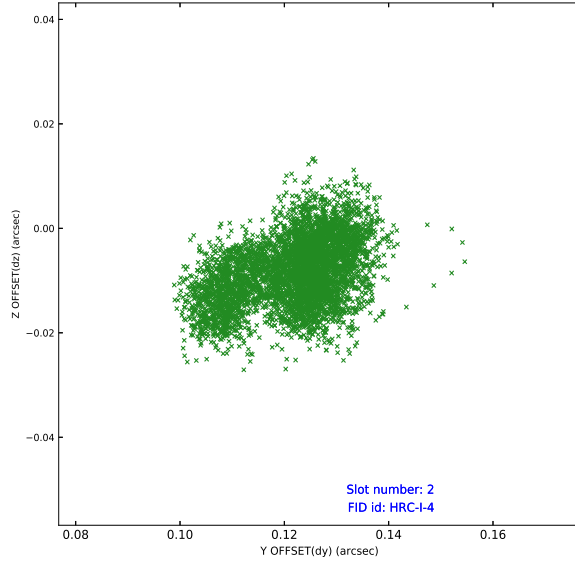
2.5.1 Slot 0



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)	2020.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.16

A.2 Comments