

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21783 - L2 Version 1
Chandra X-Ray Center

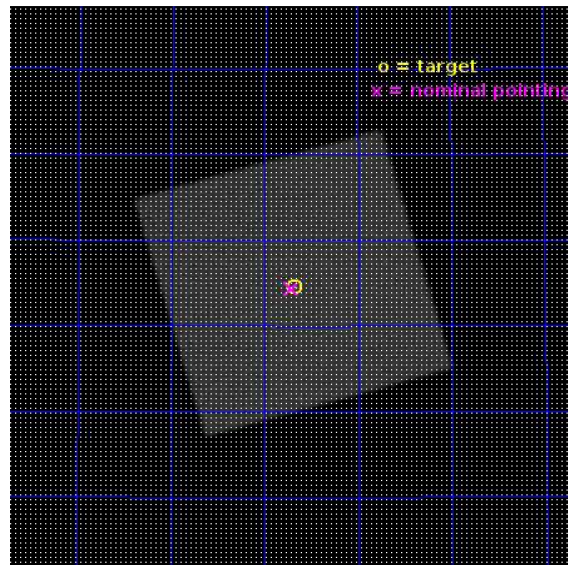
L2 Processing Date : Dec 26 2018

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1 Front

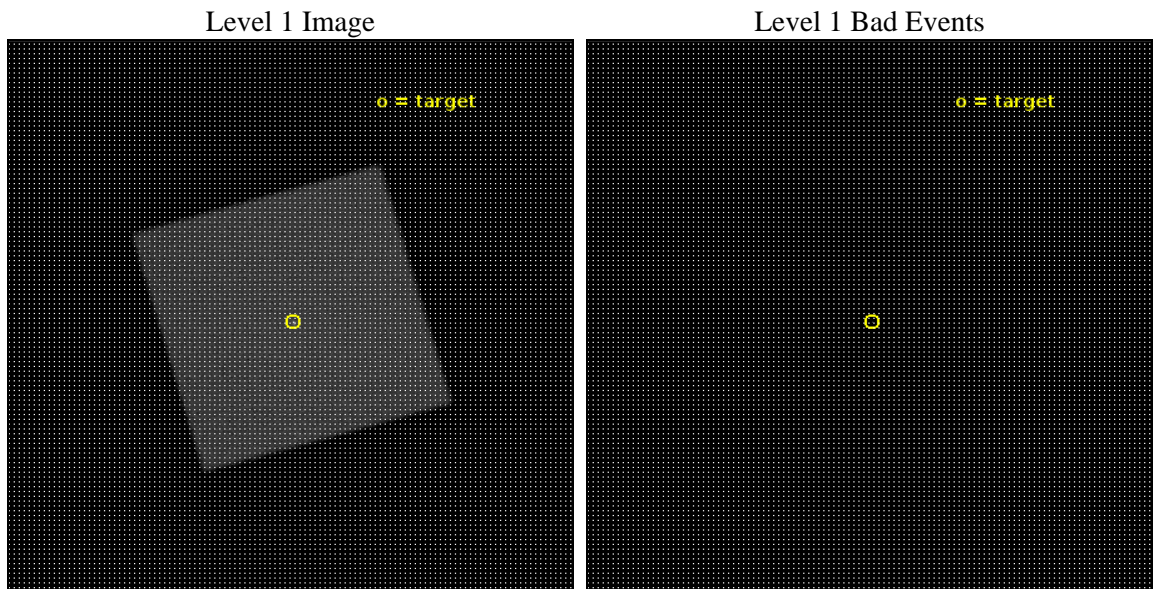
seq_num	291469	Sequence number
obs_id	21783	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.17891650125	Nominal RA [deg]
dec_nom	45.739328815819	Nominal Dec [deg]
roll_nom	298.89785177339	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5172.1503084898	[s]
livetime	5105.8702804057	Ontime multiplied by DTCOR
l2events	569978	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	10.7.1	Processing system revision	ontime	5172.1503084898	[s]
caldsver	4.8.2	 	l1events	836677	Number of level 1 events
date	2018-12-27T00:39:59	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

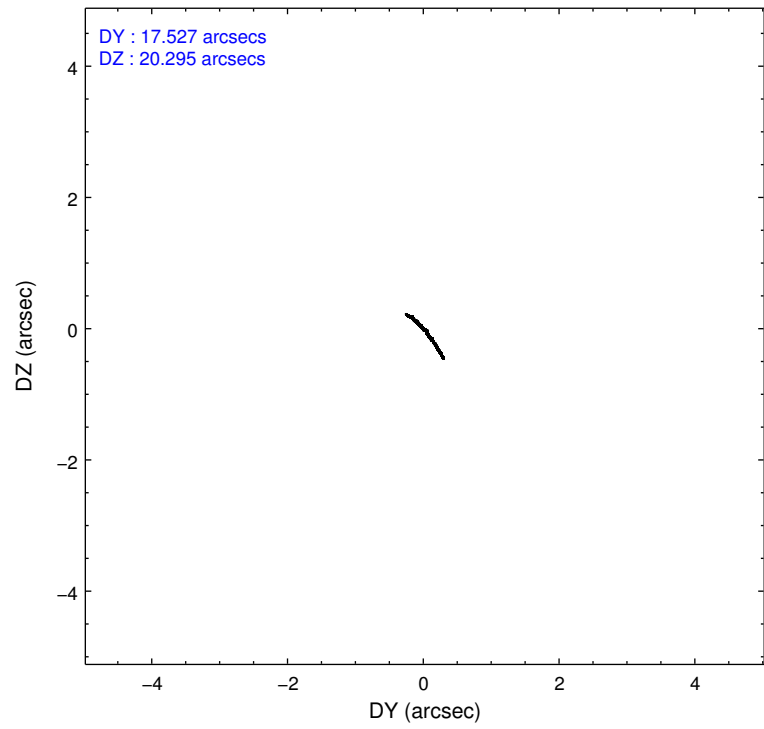
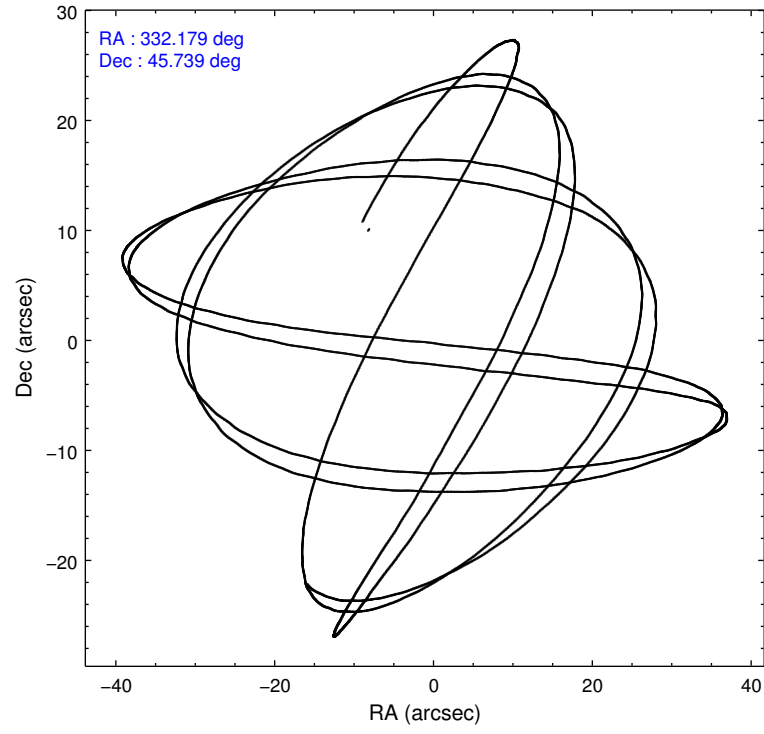
	segment 0
level 1 events	836677
rejected events	144293
rejected %	17%

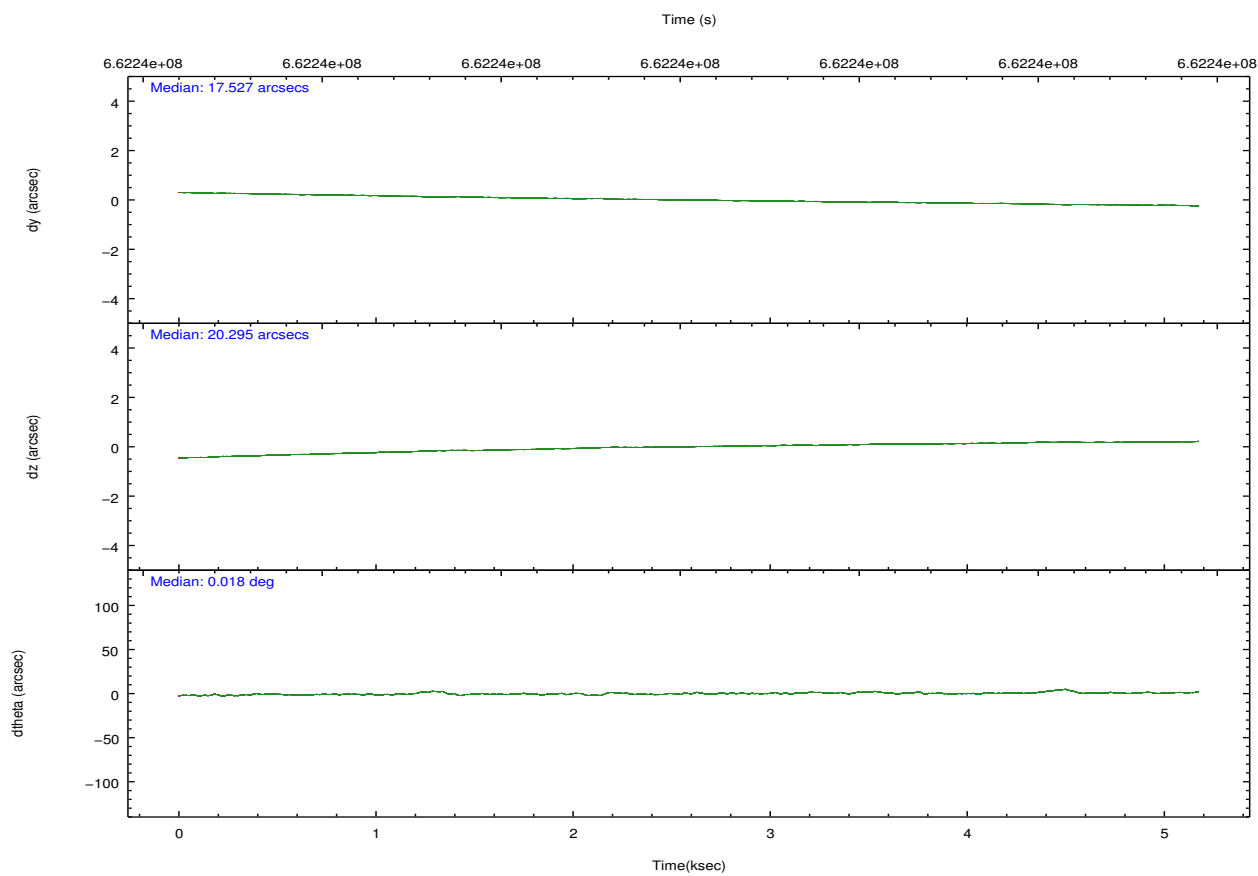
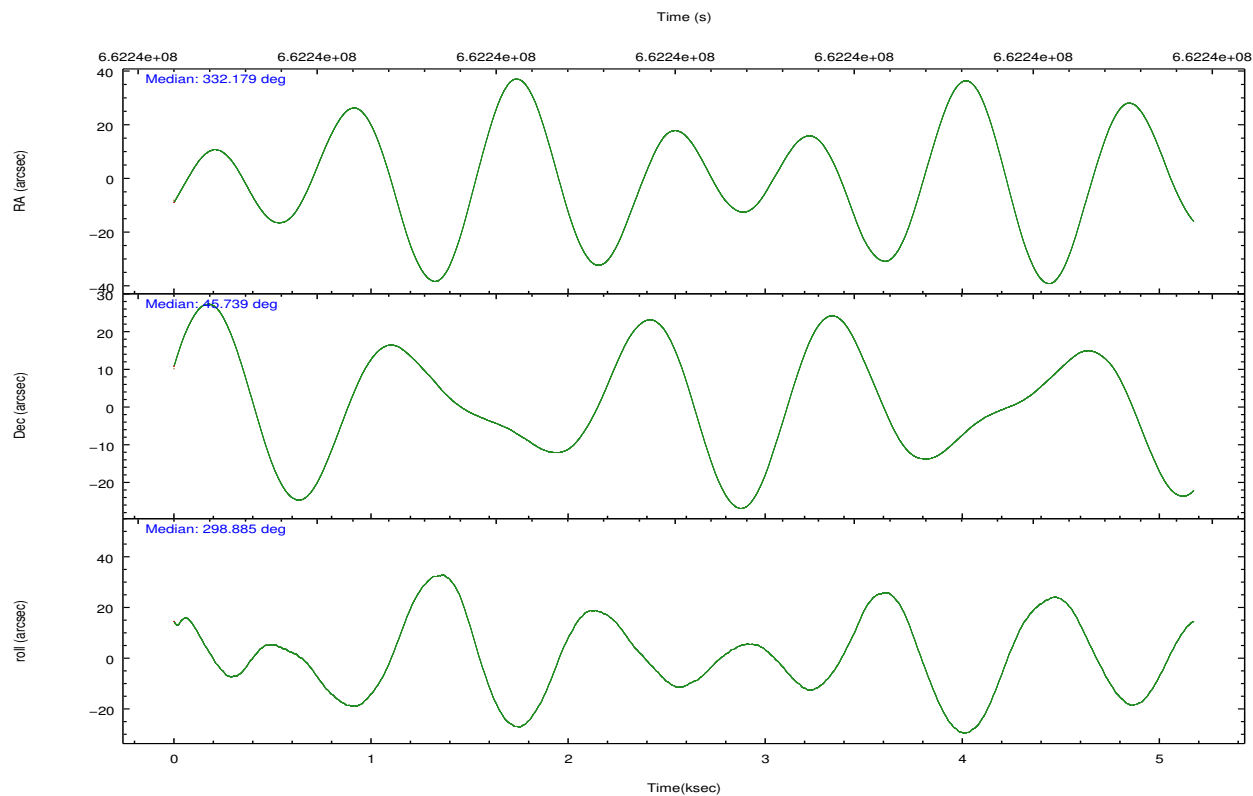
2.2 Compared Parameters

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	332.144776	332.1789165012548
[deg] Pointing Dec	45.752814	45.73932881581883
[deg] Pointing Roll	299.017824	298.8978517733888
[s] Window start time (MET)	660009669.184000	660009669.184000
[s] Window stop time (MET)	670377669.184000	670377669.184000
[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)	662235642.184000	662234390.79758
Observation start date	2018-12-26T18:19:33	2018-12-26T17:59:50
[s] Observation end time (MET)	662240642.184000	662241542.2230099
Observation end date	2018-12-26T19:42:53	2018-12-26T19:59:02

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



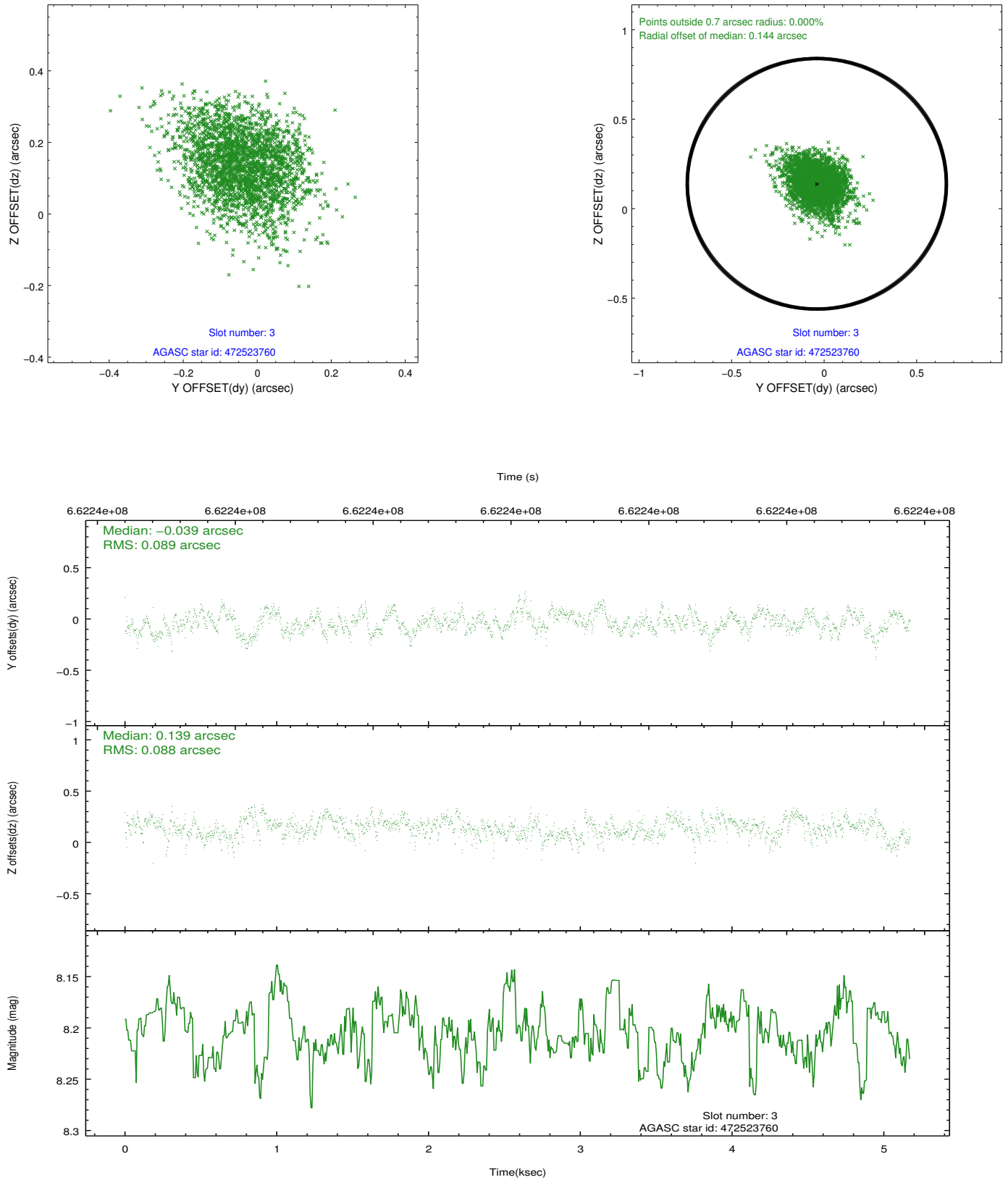


Slot Statistics

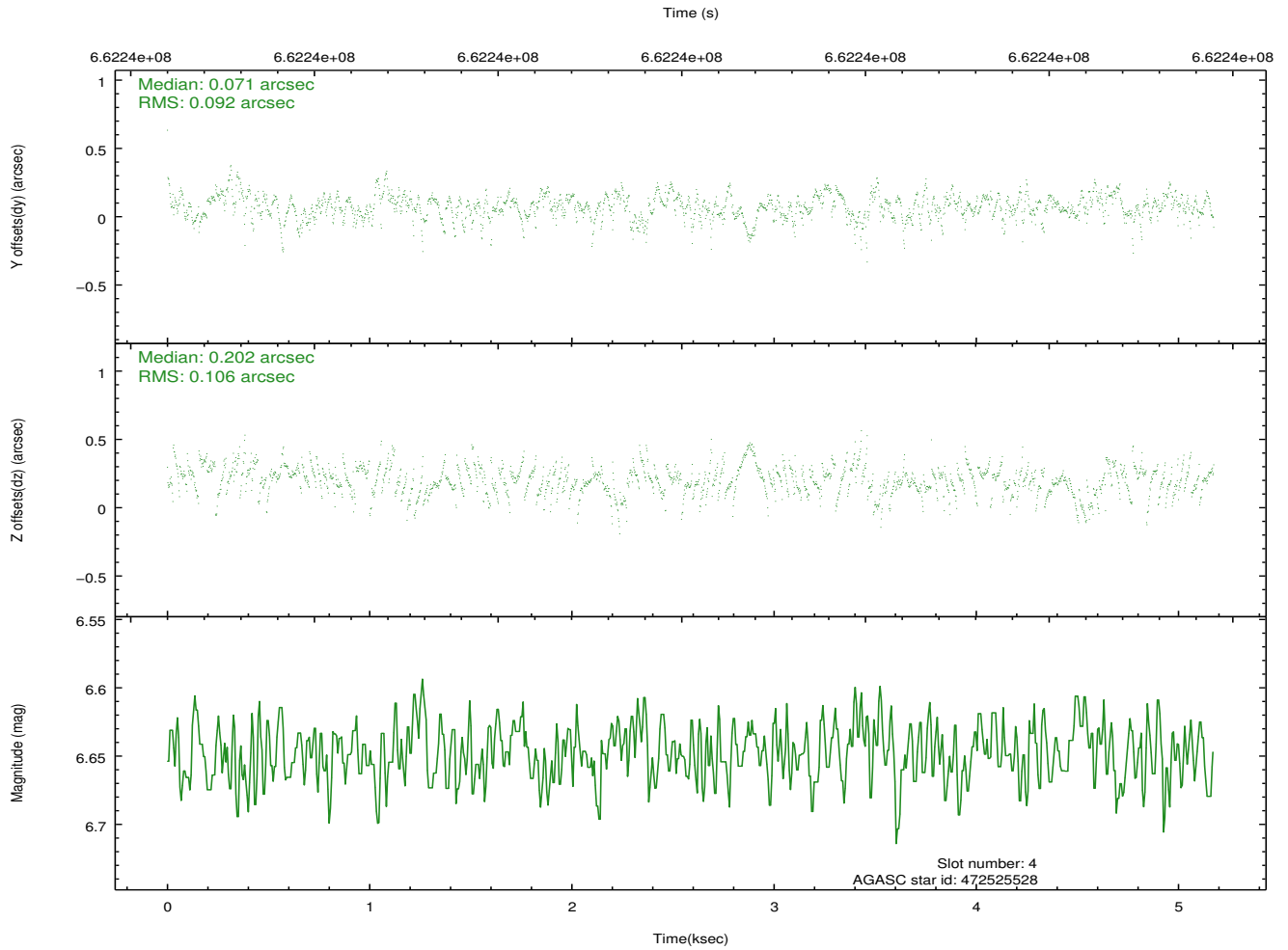
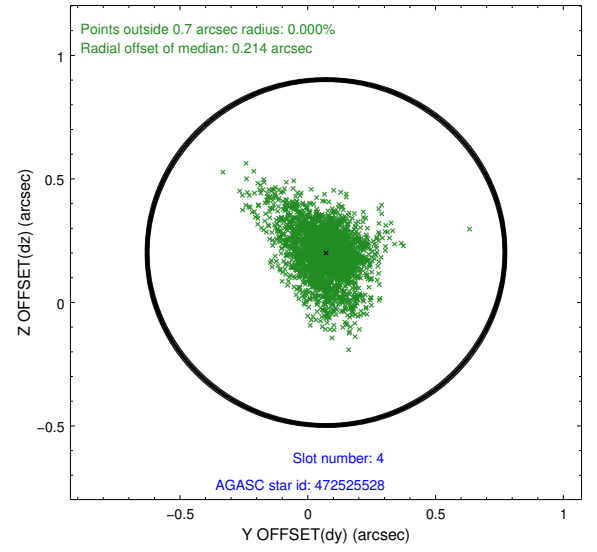
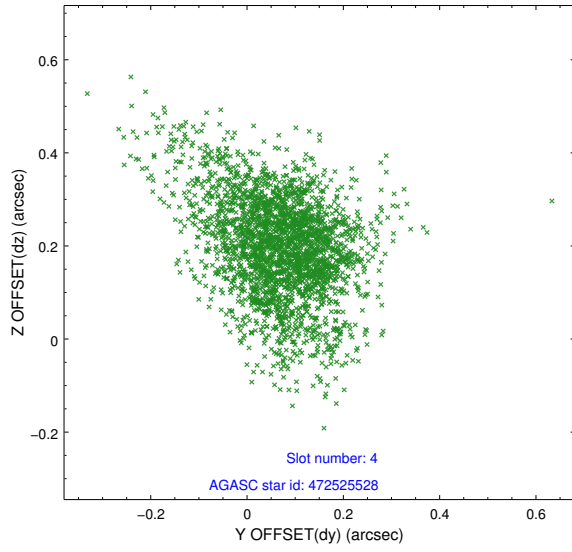
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	1263	1.000	-0.486	-0.318	0.011	0.020	0.000000	0.000000	-774.10	-1308
1	FID		HRC-I-2	7.04	1263	1.000	0.310	-0.041	0.017	0.032	0.000000	0.000000	838.71	-1311
2	FID		HRC-I-4	7.05	1263	1.000	0.293	0.266	0.012	0.039	0.000000	0.000000	1270.50	992
3	GUIDE	used	472523760	8.21	2523	1.000	-0.039	0.139	0.133	0.212	331.645363	45.403260	485.61	-1712
4	GUIDE	used	472525528	6.65	2525	1.000	0.071	0.202	0.139	0.259	331.551102	45.248694	853.83	-2193
5	GUIDE	used	472651904	6.16	2524	1.000	-0.138	-0.205	0.120	0.198	332.170077	45.742257	63.54	35
6	GUIDE	used	472665256	8.97	2513	1.000	0.084	-0.243	0.200	0.319	332.808125	46.195041	-596.11	2220
7	GUIDE	used	472663080	9.36	2506	1.000	0.034	0.122	0.222	0.377	332.652741	46.473840	-1662.62	2362

2.4 Star Slots

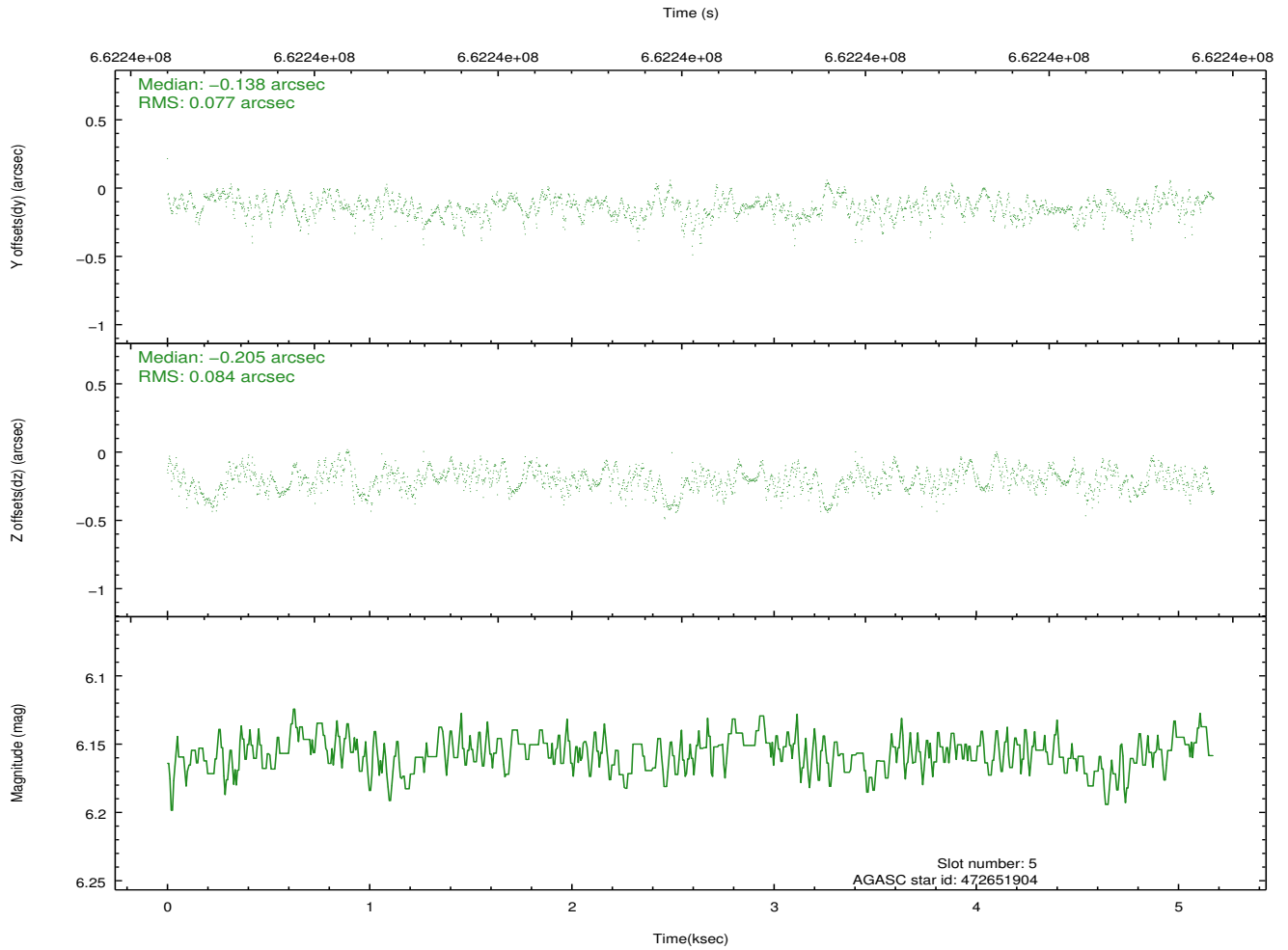
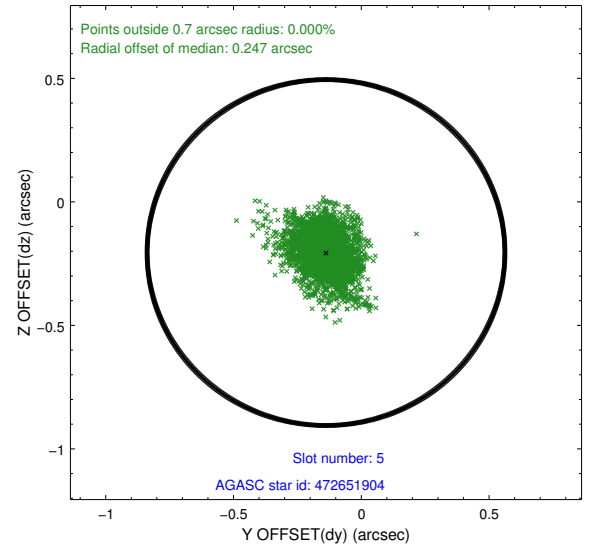
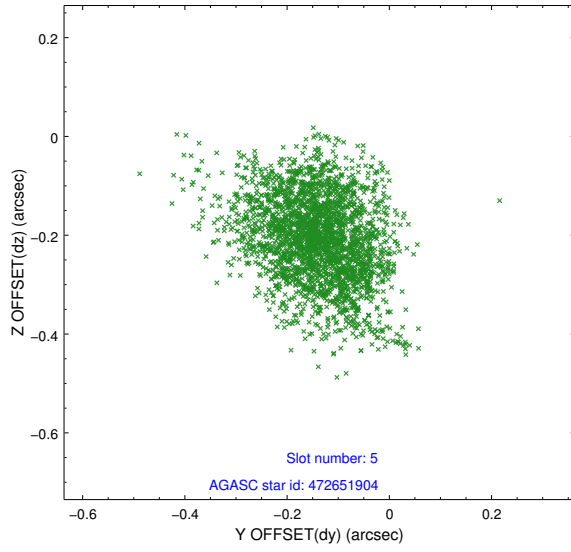
2.4.1 Slot 3



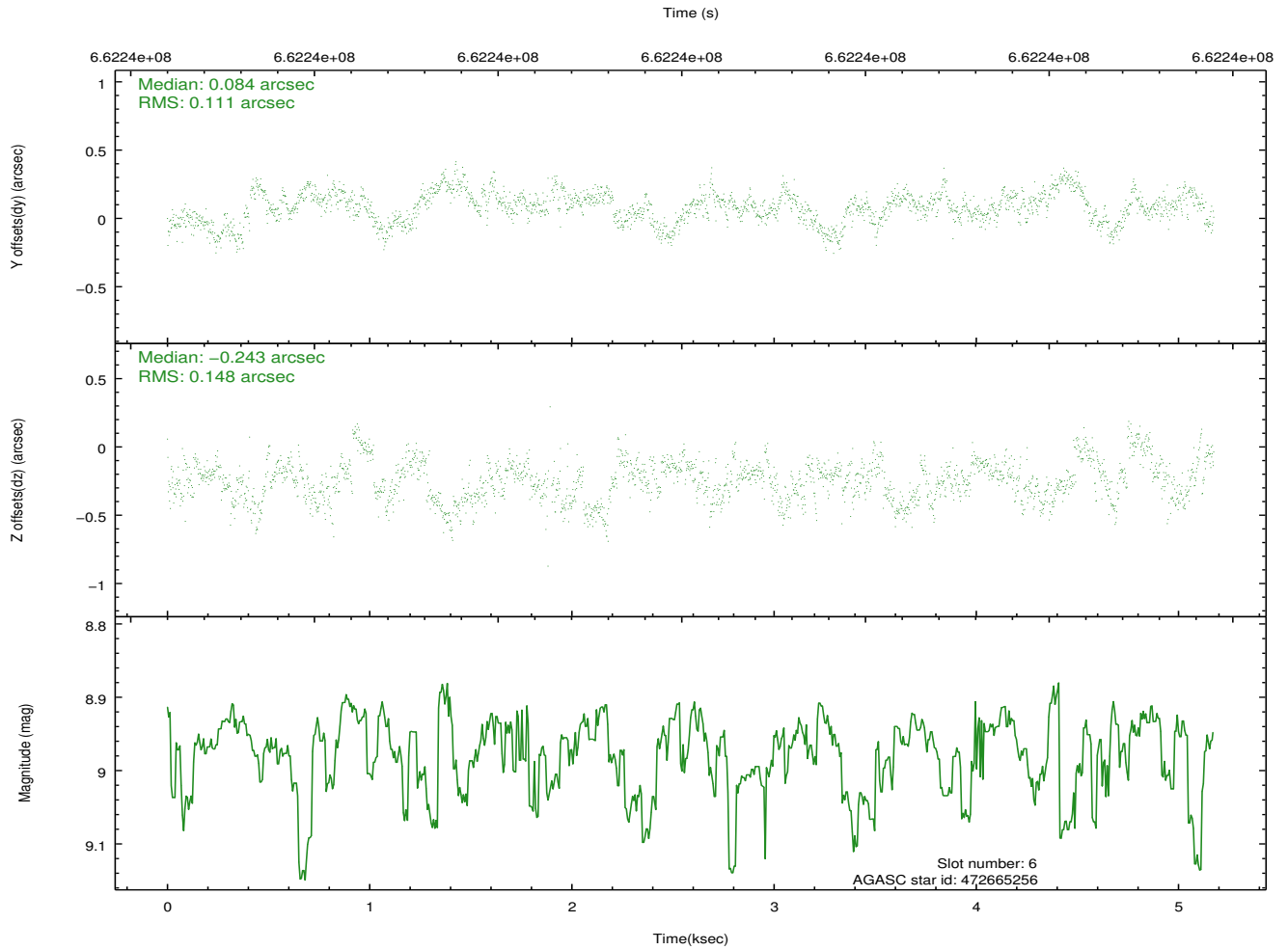
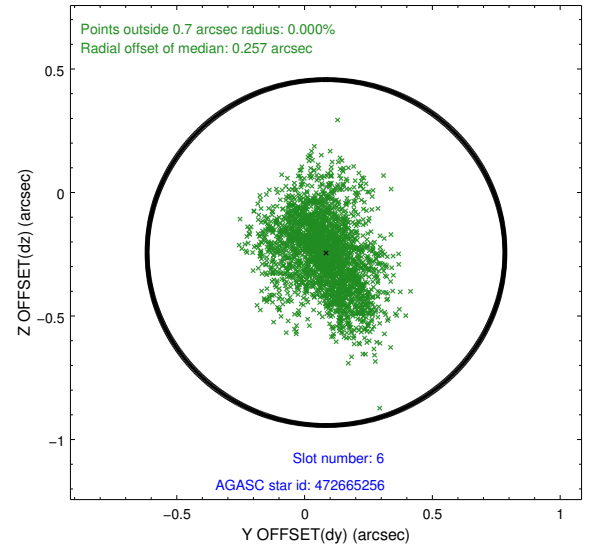
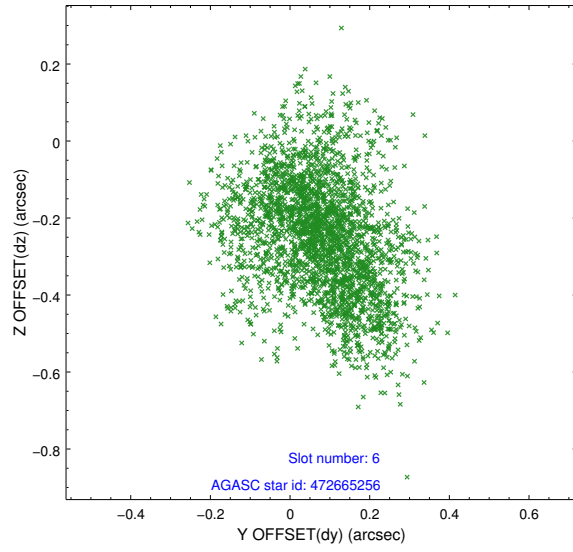
2.4.2 Slot 4



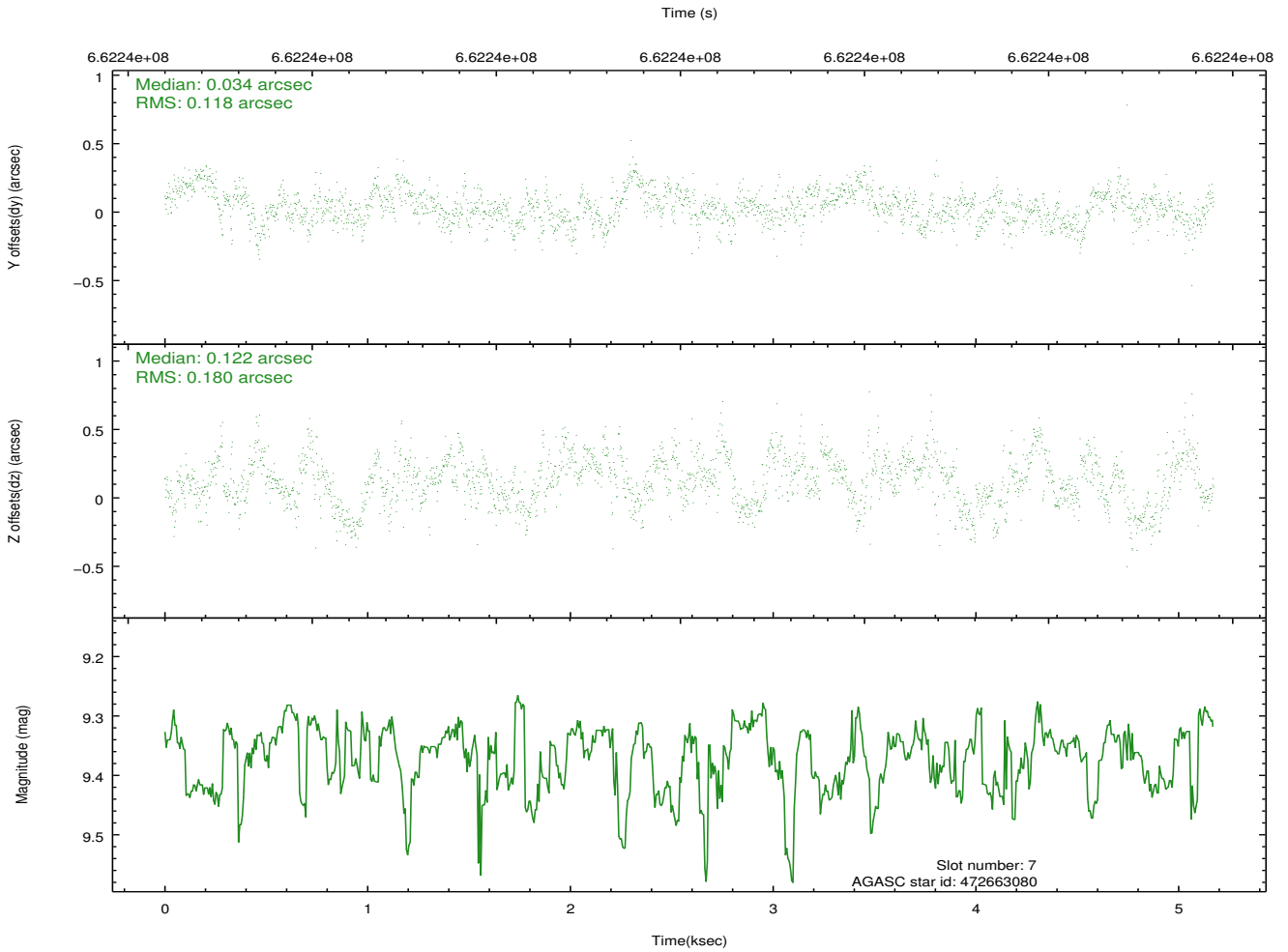
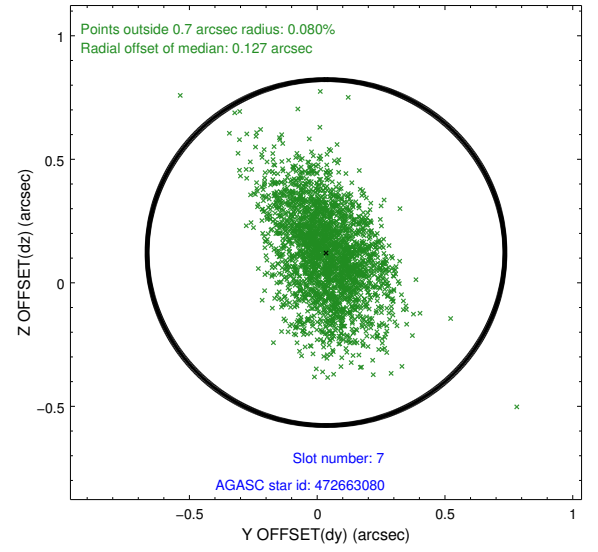
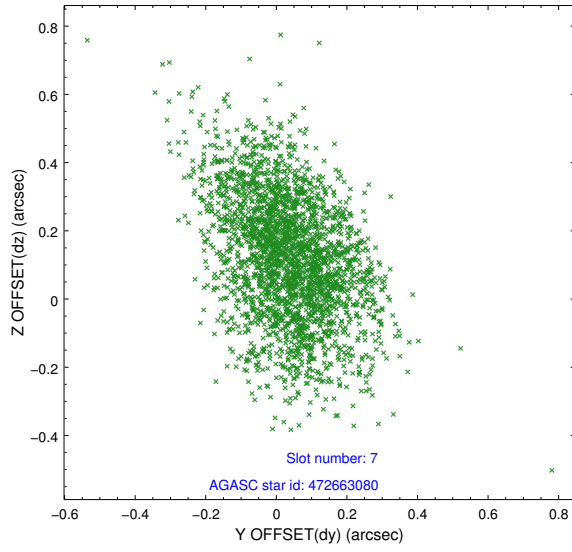
2.4.3 Slot 5



2.4.4 Slot 6

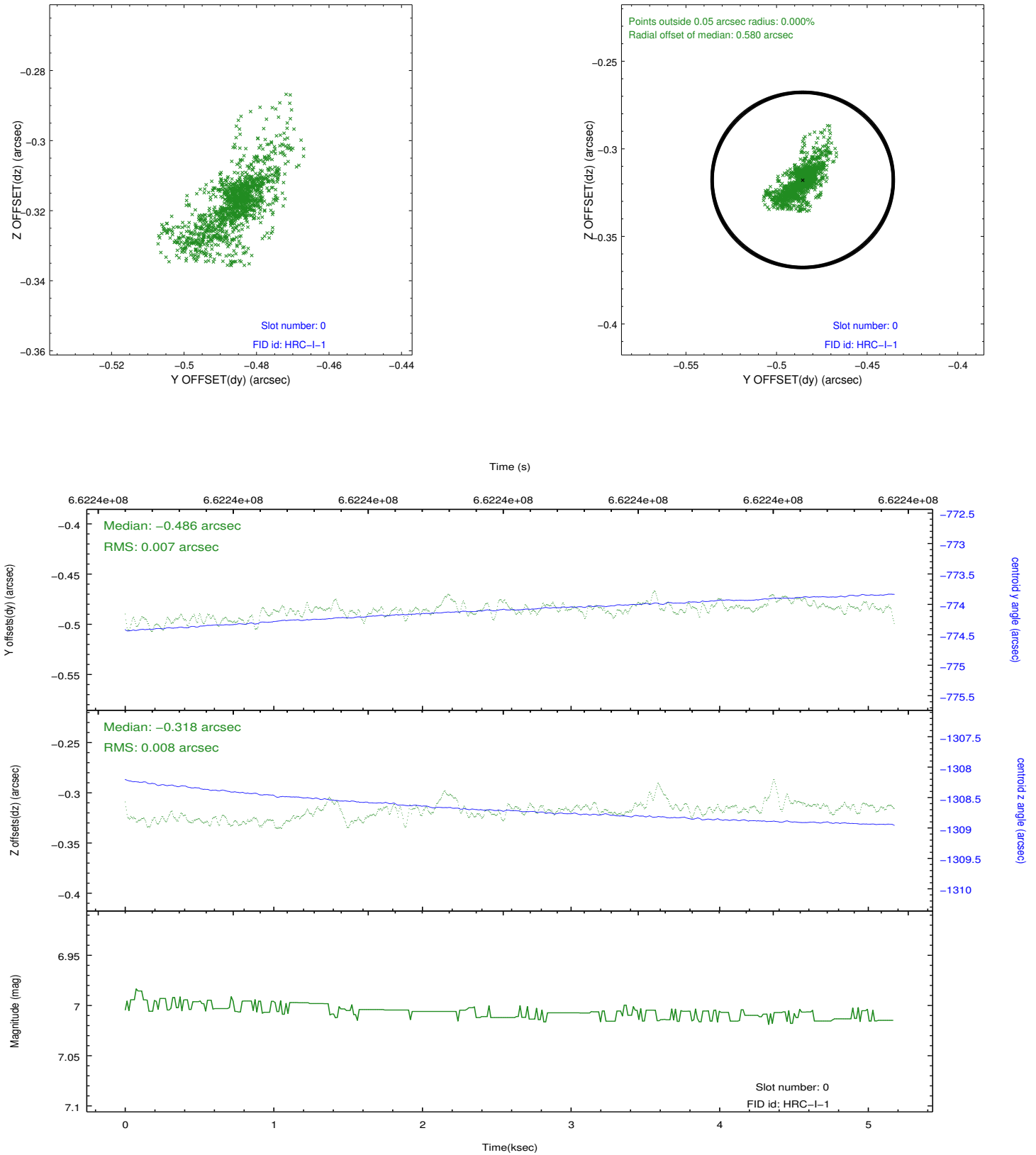


2.4.5 Slot 7

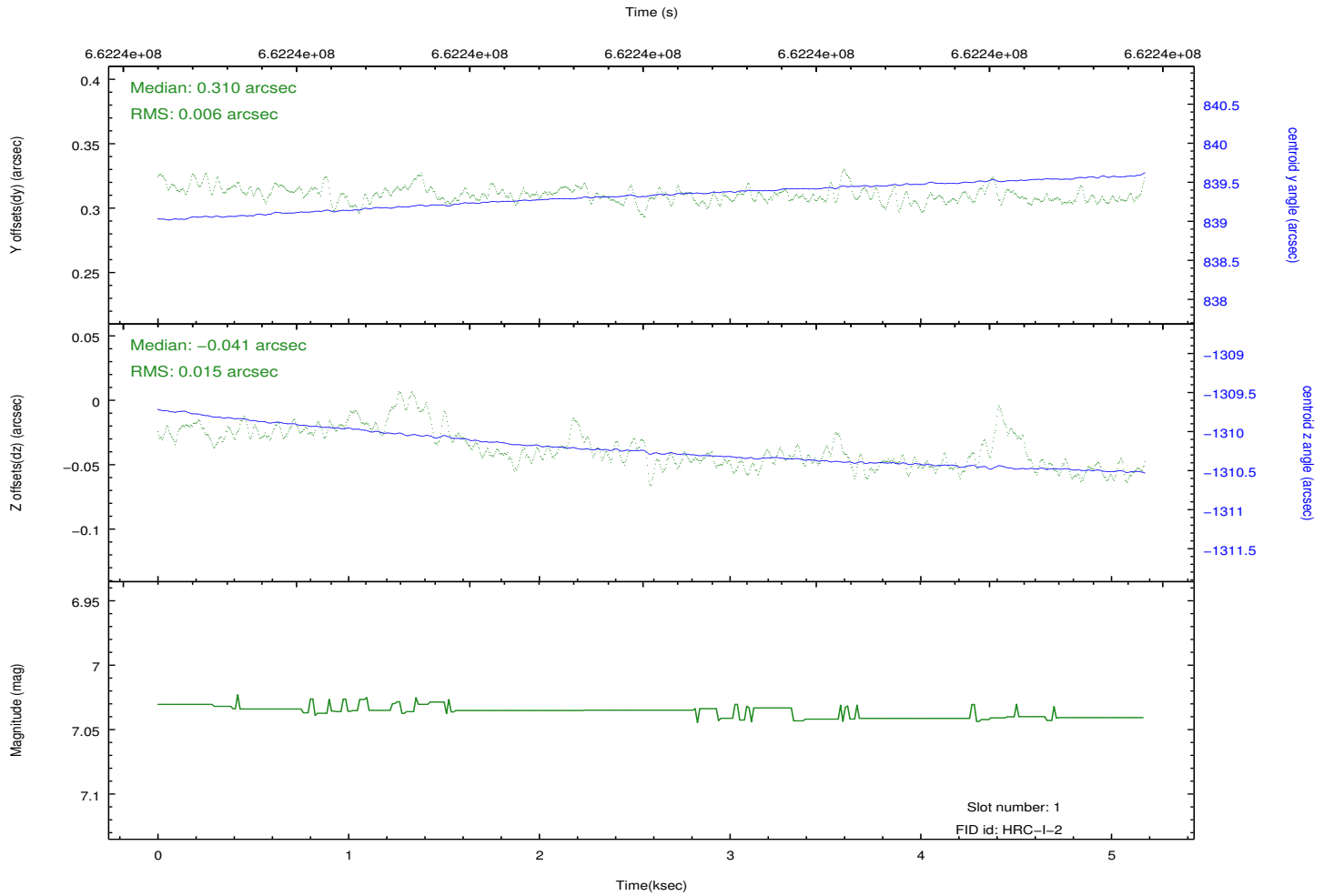
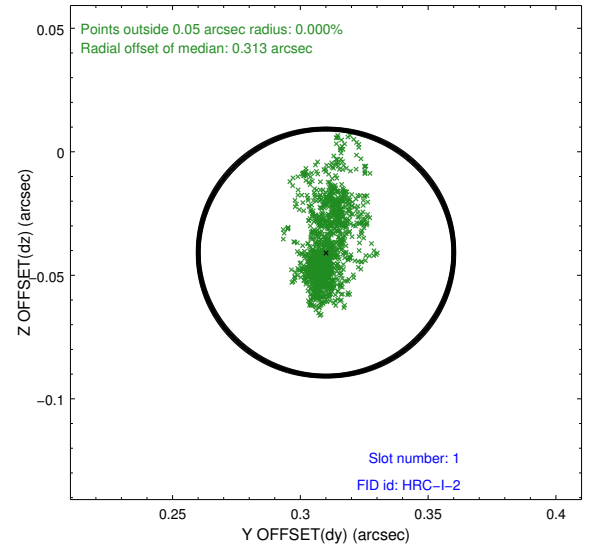
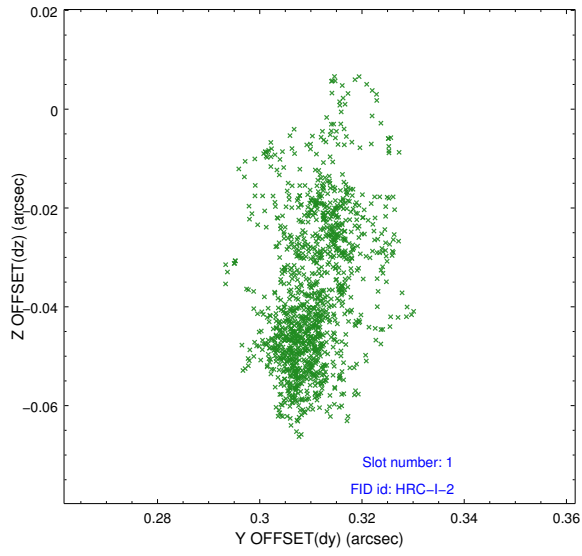


2.5 FID Slots

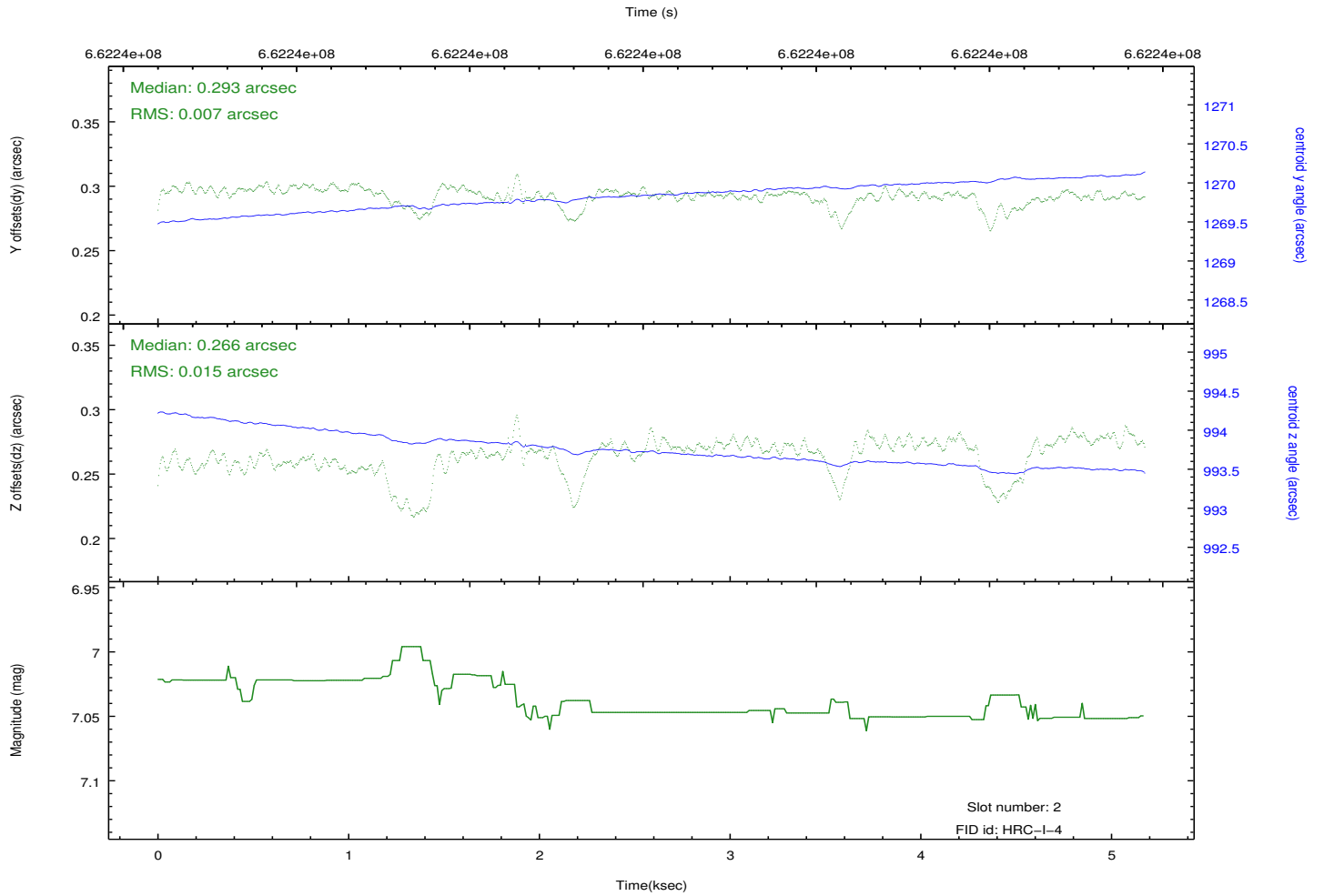
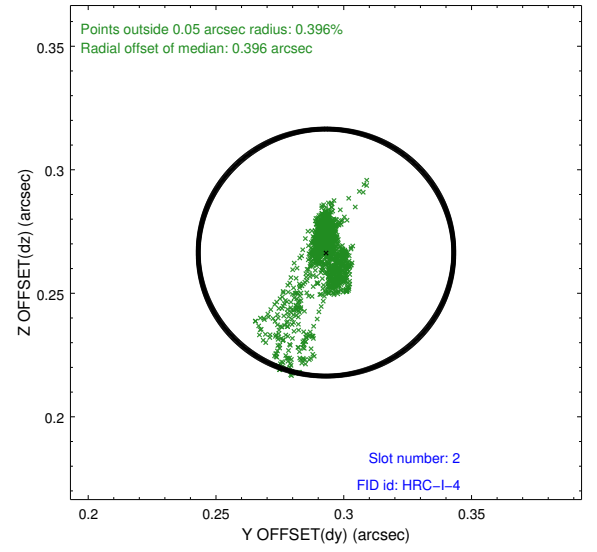
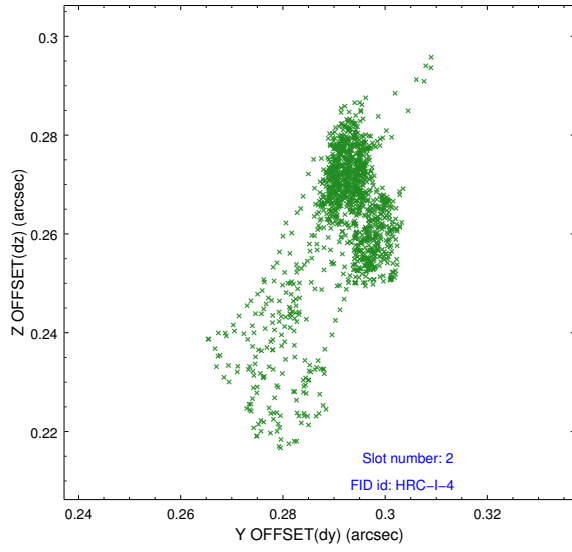
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2018.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1721503084898

A.2 Comments

Window constraint met.