

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17344 - L2 Version 1
Chandra X-Ray Center

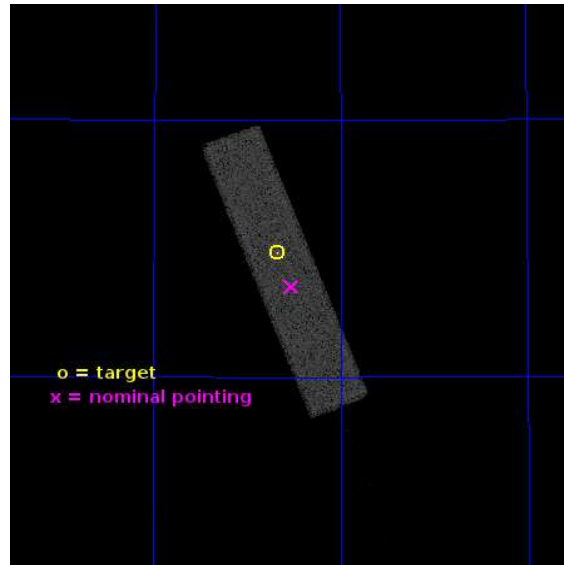
L2 Processing Date : Oct 20 2015

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

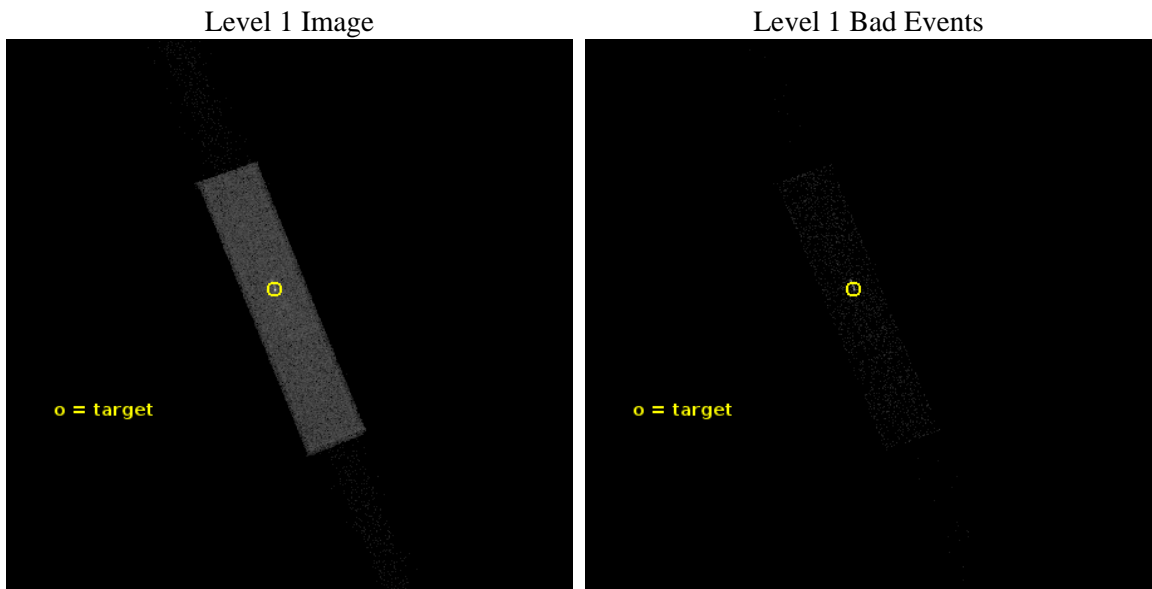
seq_num	291217	Sequence number
obs_id	17344	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13165695143	Nominal RA [deg]
dec_nom	45.676362881772	Nominal Dec [deg]
roll_nom	248.64609493675	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313155413	[s]
livetime	1148.3535677407	Ontime multiplied by DTCOR
l2events	53510	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	1155.4313155413	[s]
caldsver	4.6.10a	 	l1events	83234	Number of level 1 events
date	2015-10-20T22:46:18	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

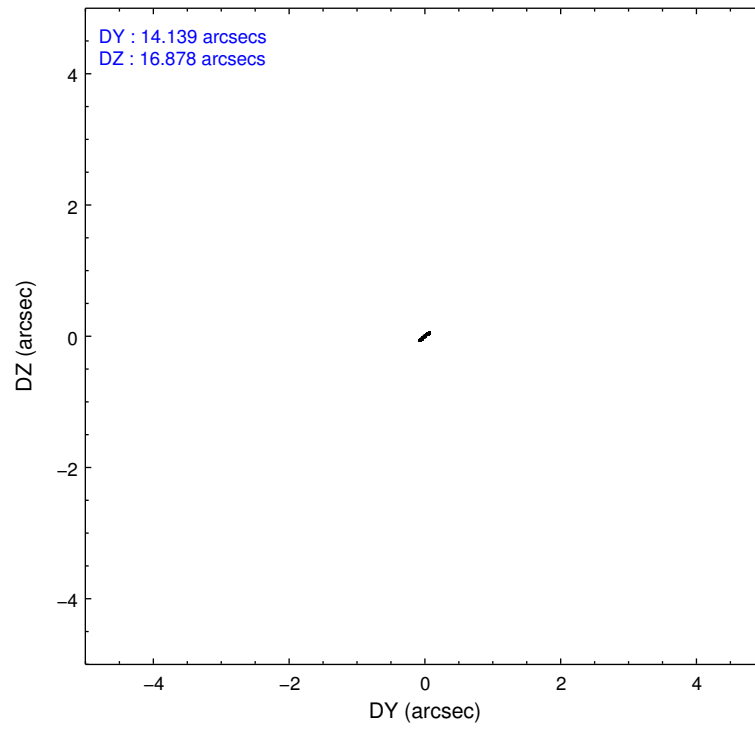
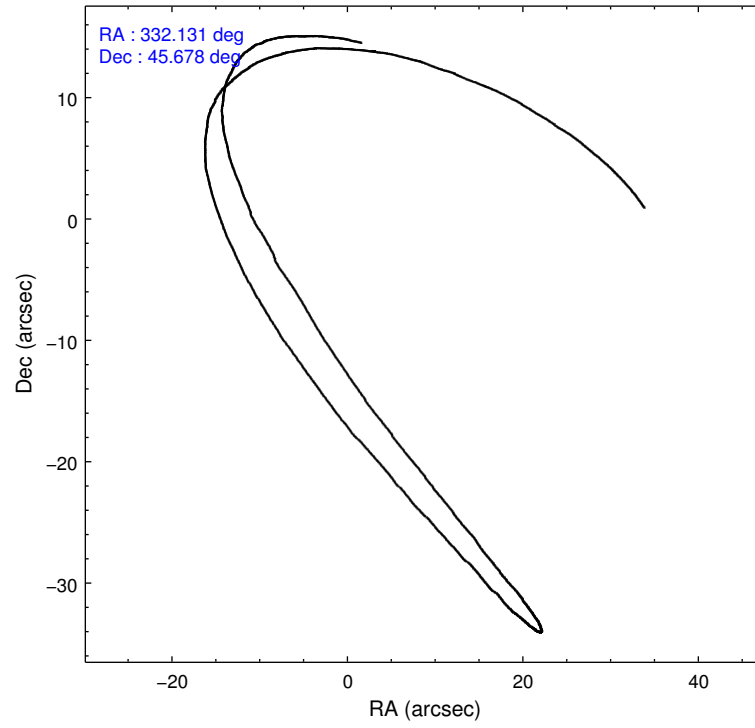
	segment 1	segment 2	segment 3
level 1 events	655	81911	668
rejected events	655	18943	649
rejected %	100%	23%	97%

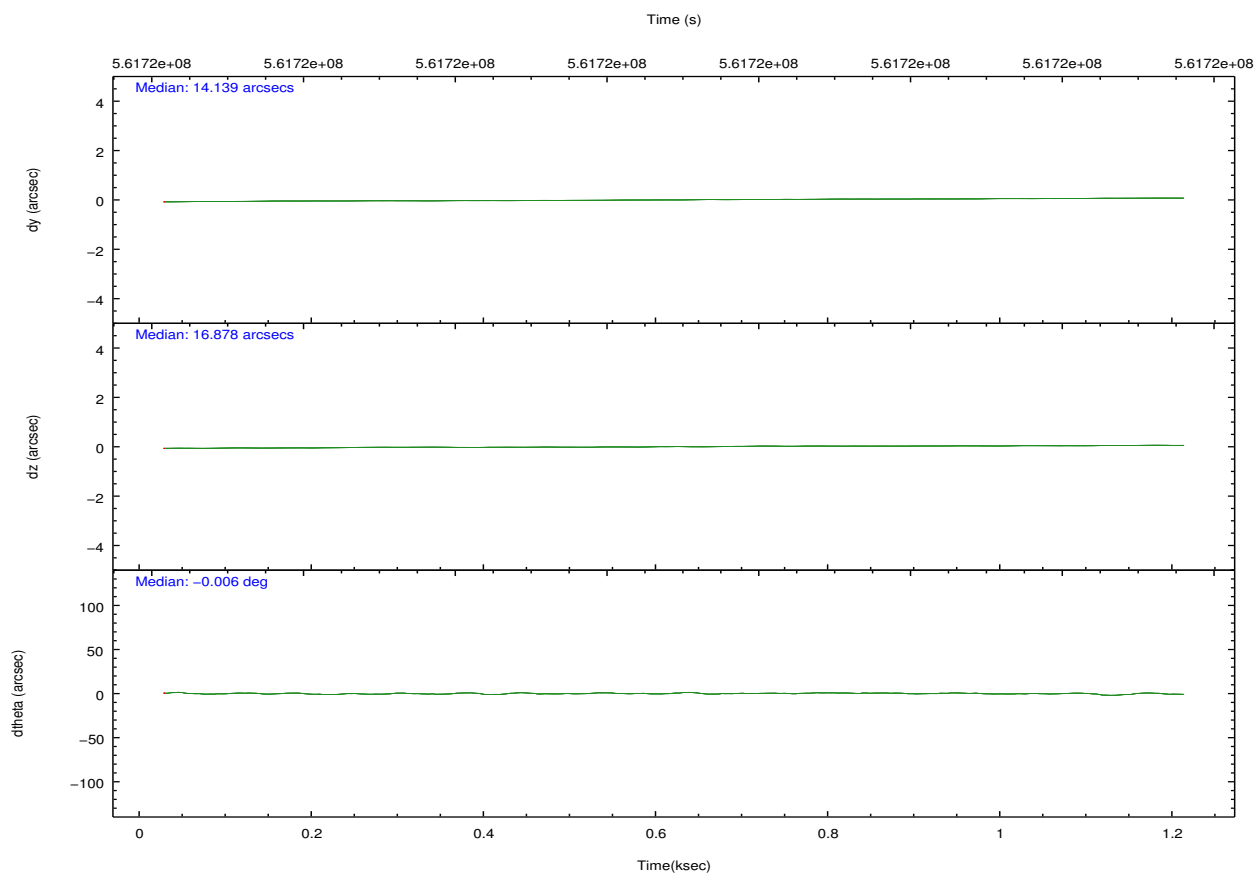
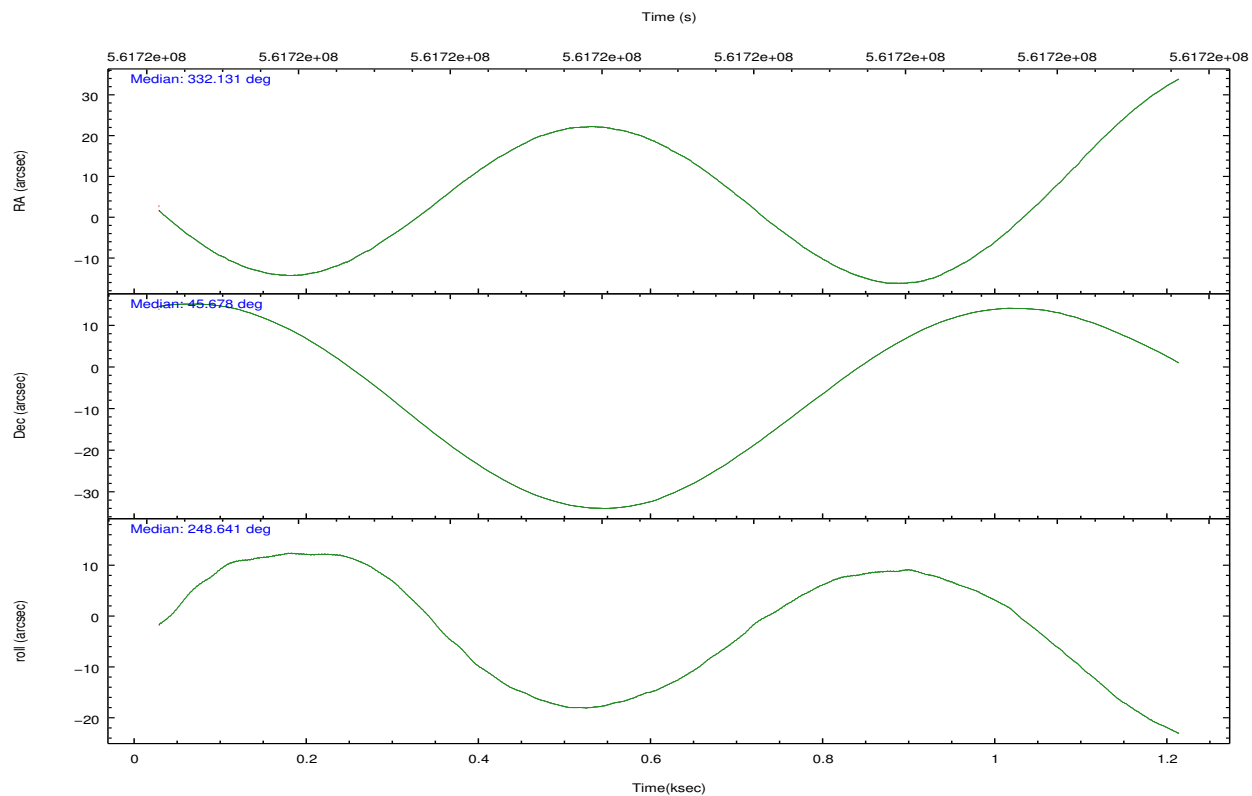
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.124336	332.1316569514308
[deg] Pointing Dec	45.703967	45.67636288177157
[deg] Pointing Roll	248.584008	248.6460949367514
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	561718293.184000	561717916.75934
Observation start date	2015-10-20T08:50:25	2015-10-20T08:45:16
[s] Observation end time (MET)	561719293.184000	561719427.60943
Observation end date	2015-10-20T09:07:05	2015-10-20T09:10:27

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

2.3 Aspect



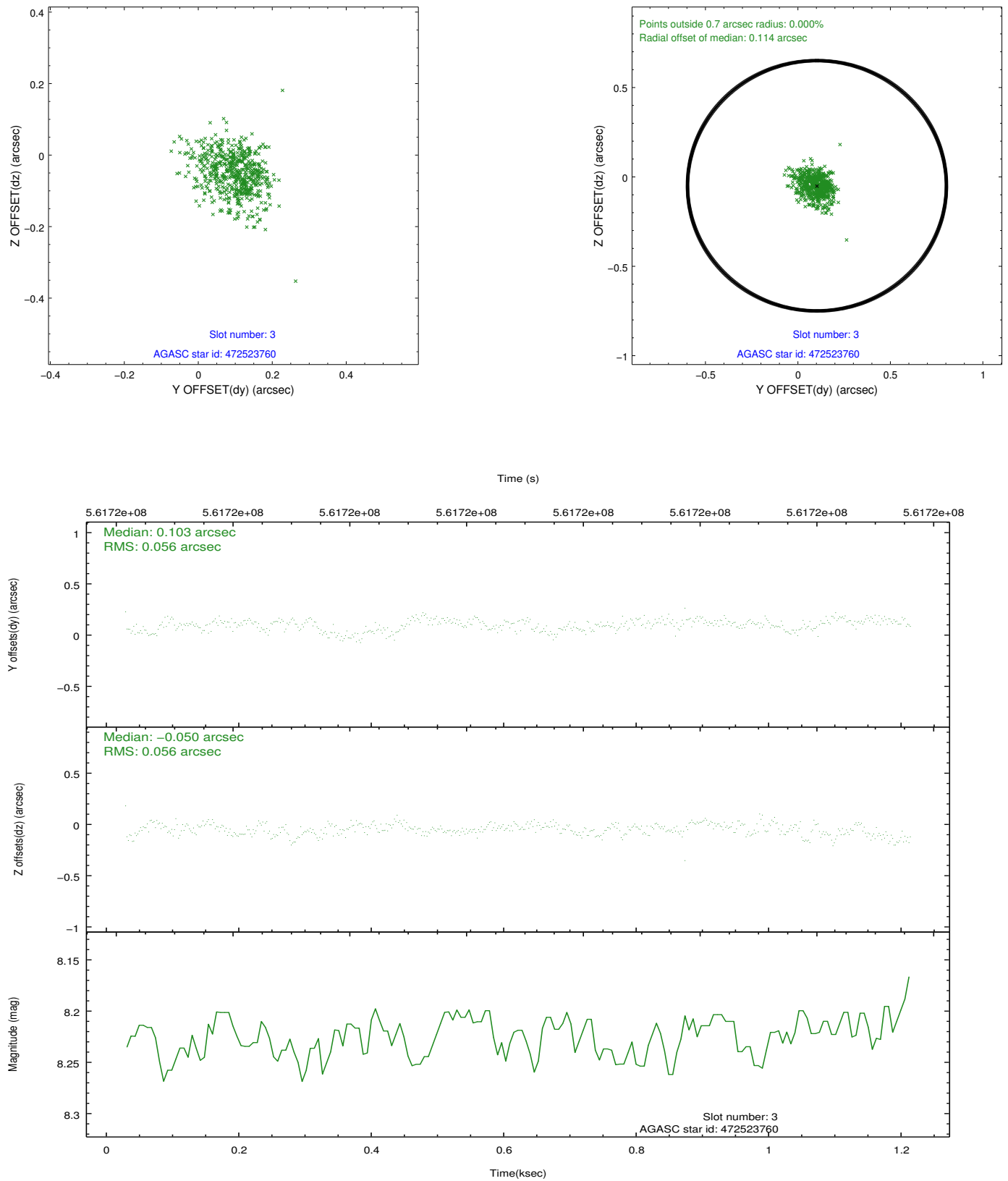


Slot Statistics

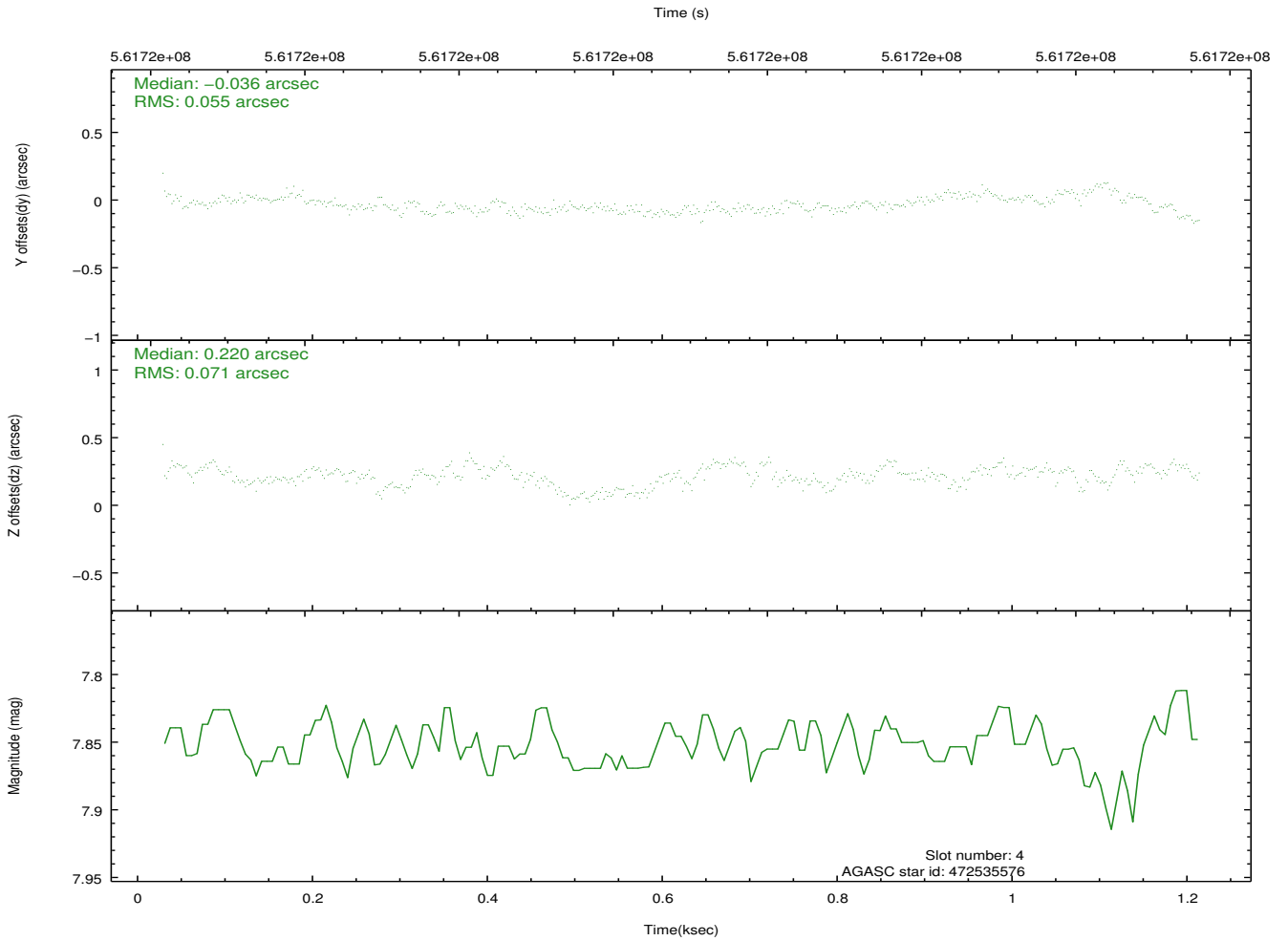
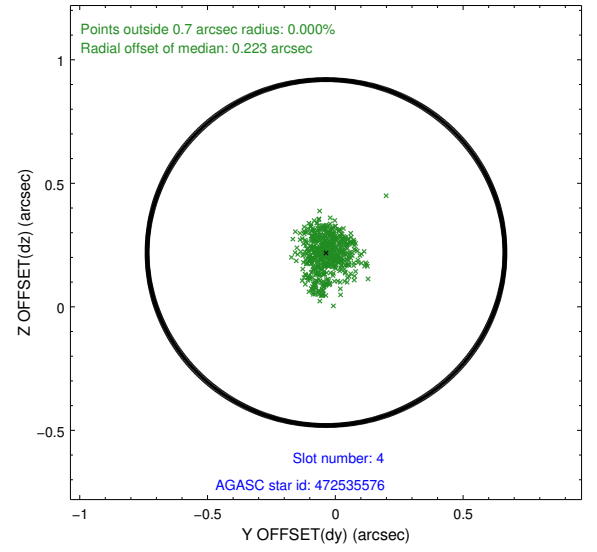
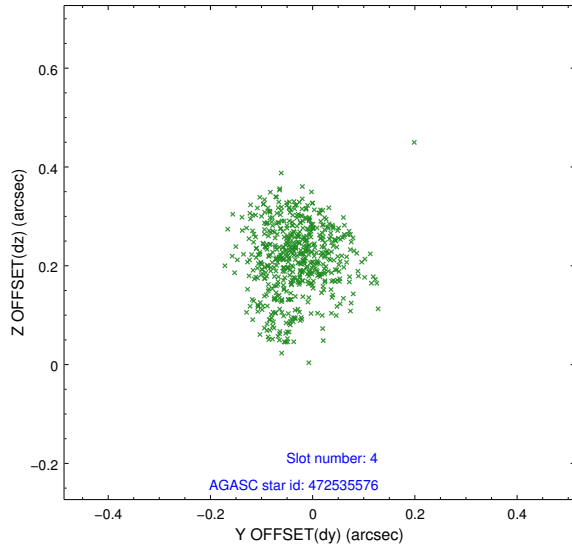
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.03	290	-0.012	-0.173	0.008	0.013	0.000000	0.000000	-1168.57	-465.84
1	FID		HRC-S-2	7.01	290	0.319	-0.120	0.004	0.008	0.000000	0.000000	1227.38	-459.94
2	FID		HRC-S-3	7.02	290	0.083	-0.010	0.008	0.012	0.000000	0.000000	-1167.01	562.26
3	GUIDE	used	472523760	8.22	579	0.103	-0.050	0.082	0.136	331.645363	45.403260	1448.69	-729.79
4	GUIDE	used	472535576	7.85	579	-0.036	0.220	0.096	0.155	331.438373	46.291802	-1349.34	-2361.79
5	GUIDE	used	472655152	9.42	579	-0.020	-0.176	0.146	0.246	332.504239	45.862991	-883.25	675.96
6	GUIDE	used	472665256	8.98	579	-0.075	-0.208	0.106	0.175	332.808125	46.195041	-2274.59	942.27
7	GUIDE	used	472536328	8.11	578	0.039	0.224	0.084	0.142	331.496671	46.454831	-1955.66	-2433.50

2.4 Star Slots

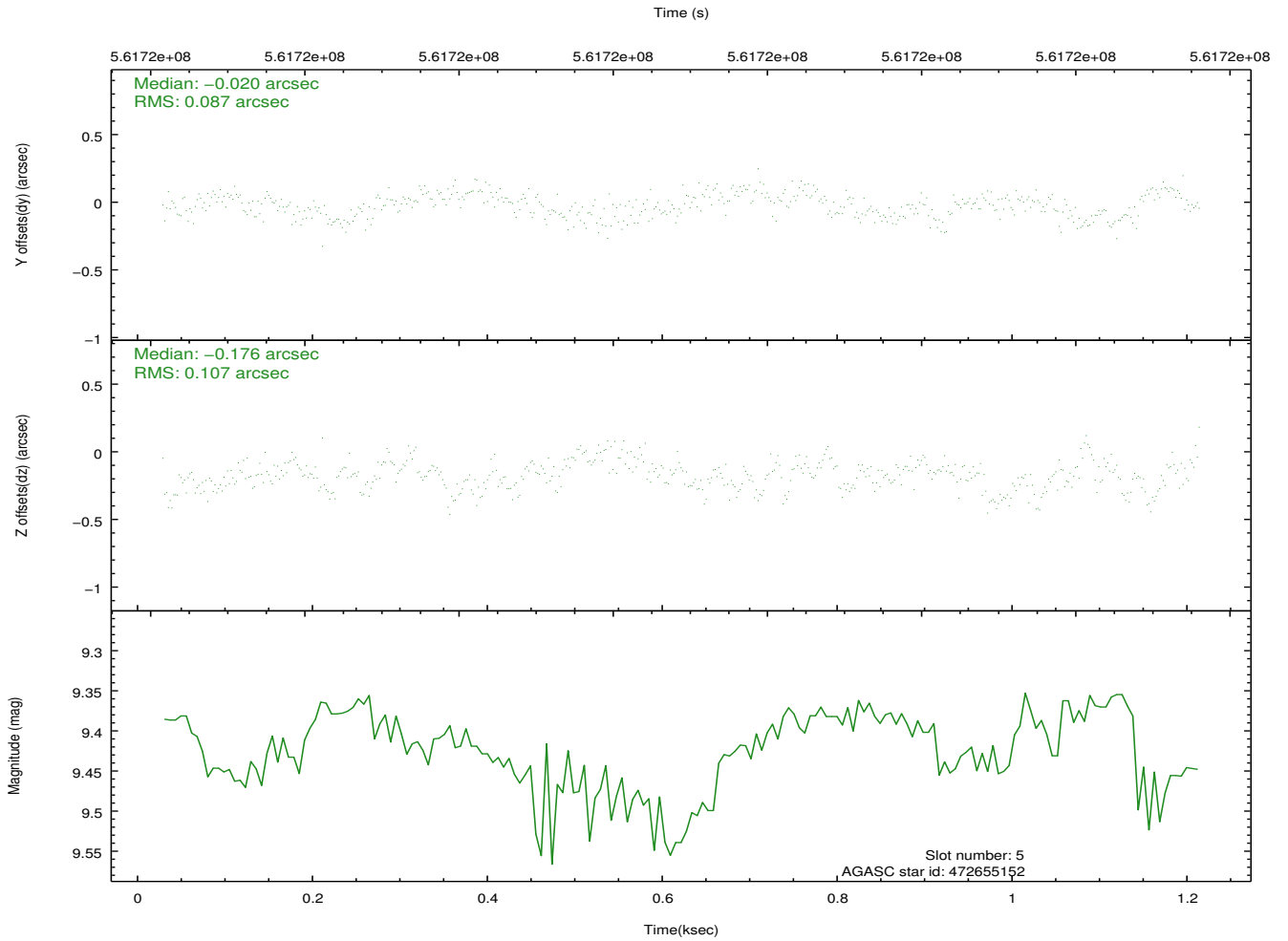
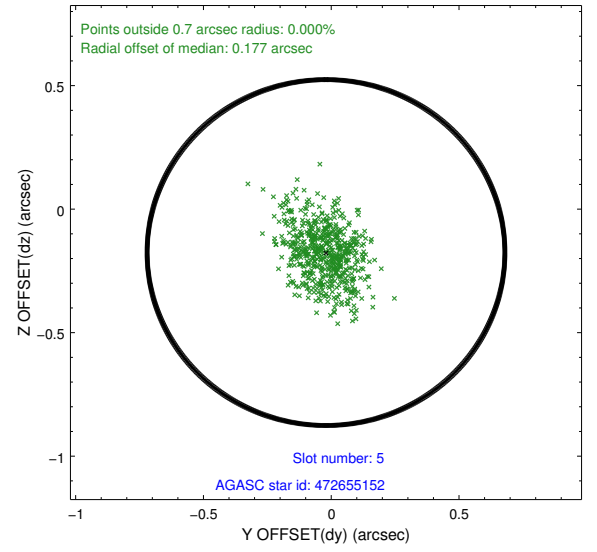
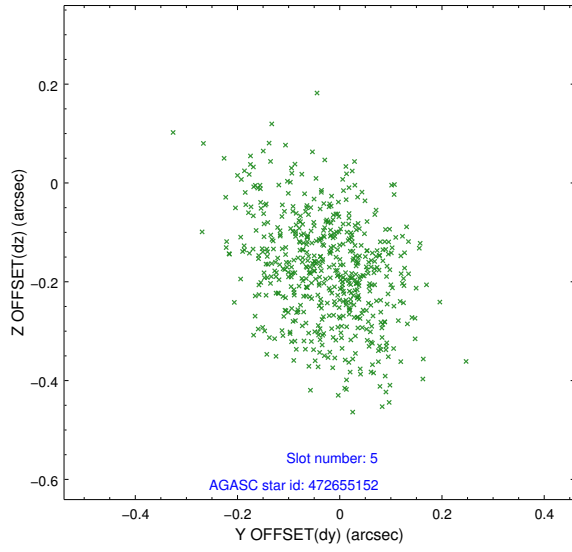
2.4.1 Slot 3



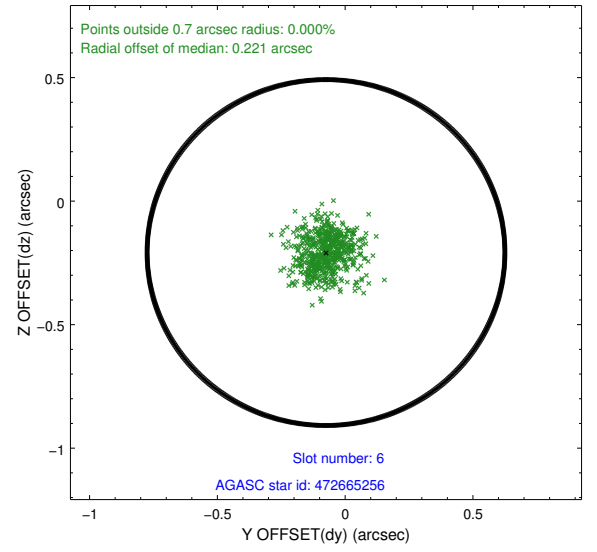
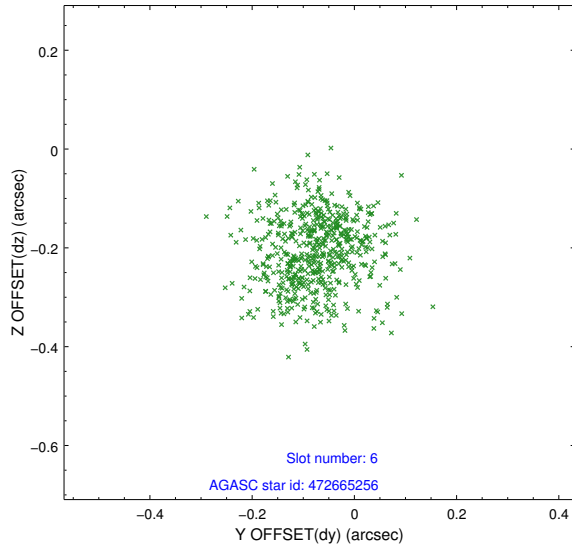
2.4.2 Slot 4



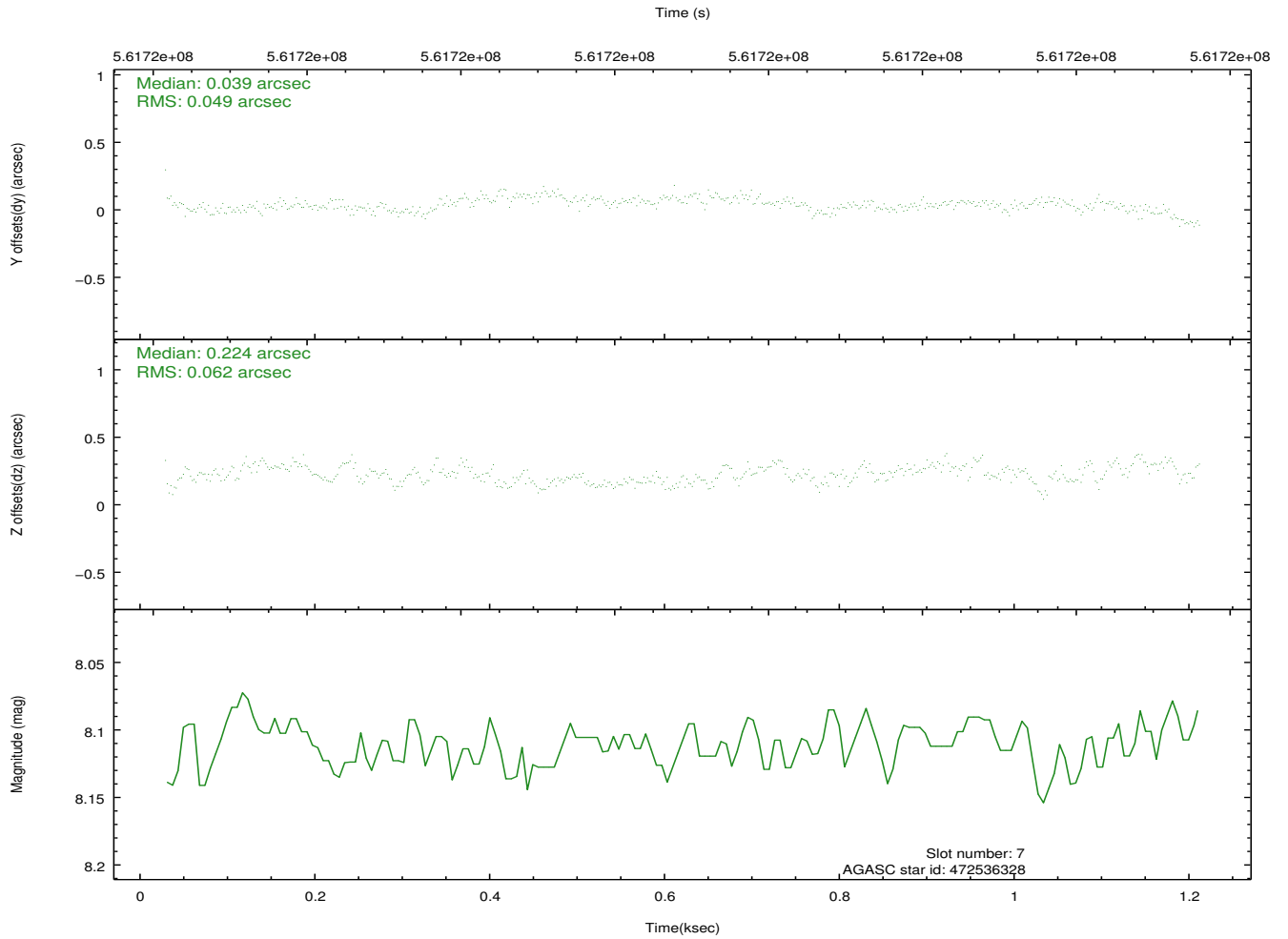
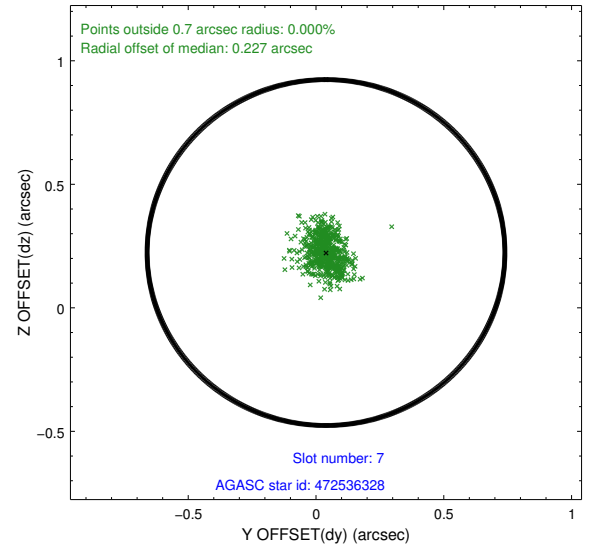
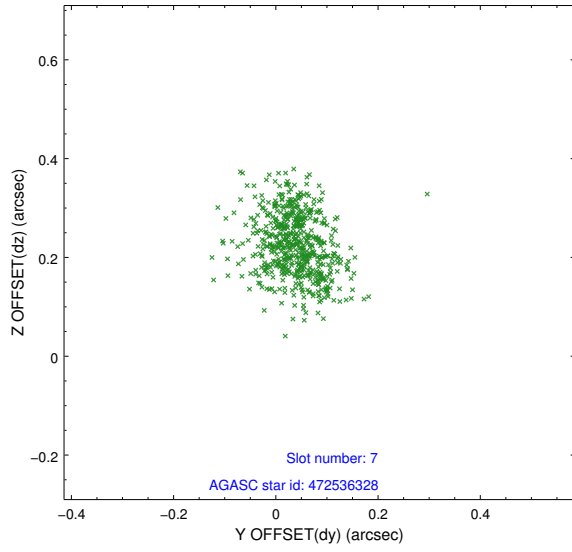
2.4.3 Slot 5



2.4.4 Slot 6

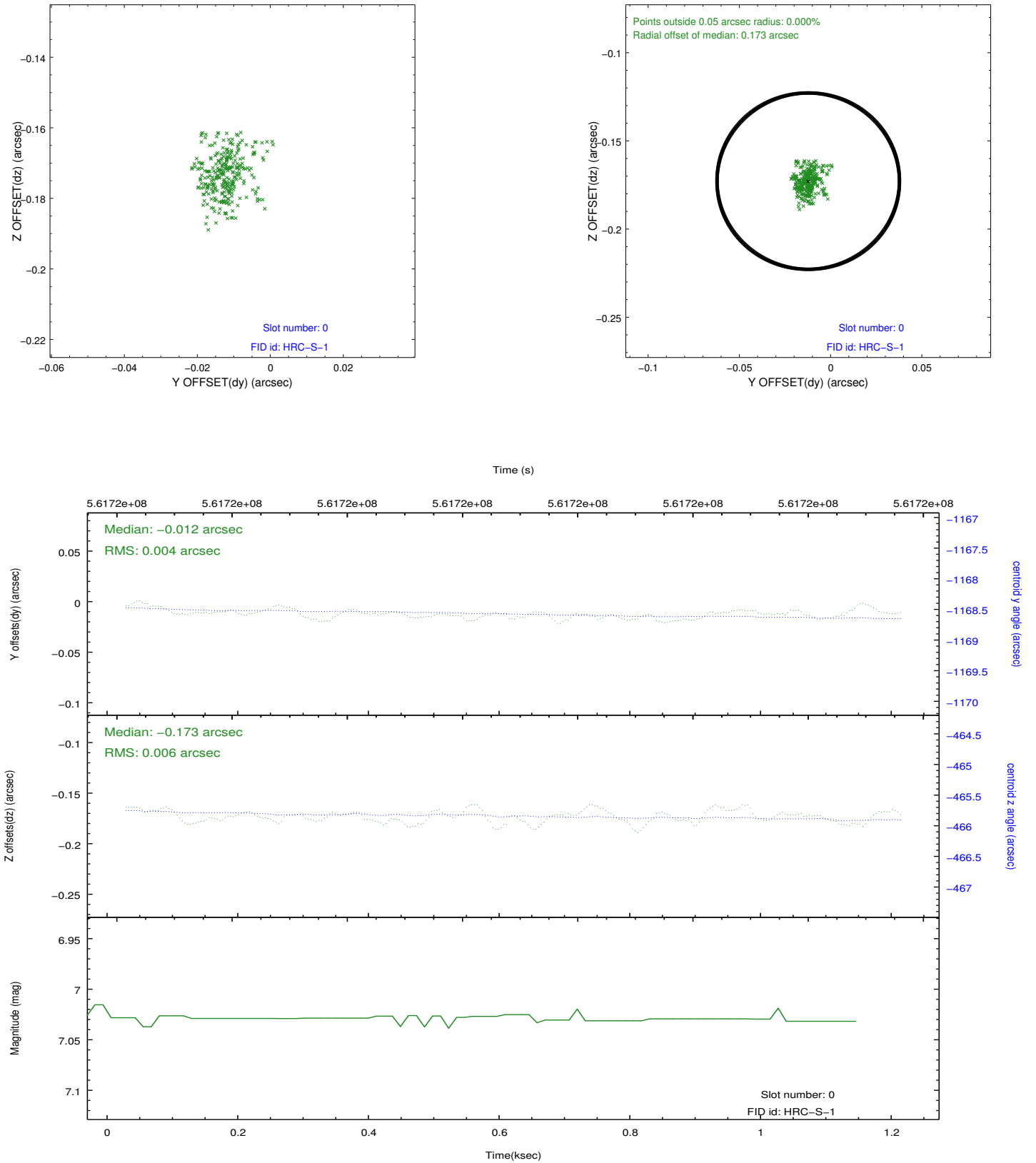


2.4.5 Slot 7

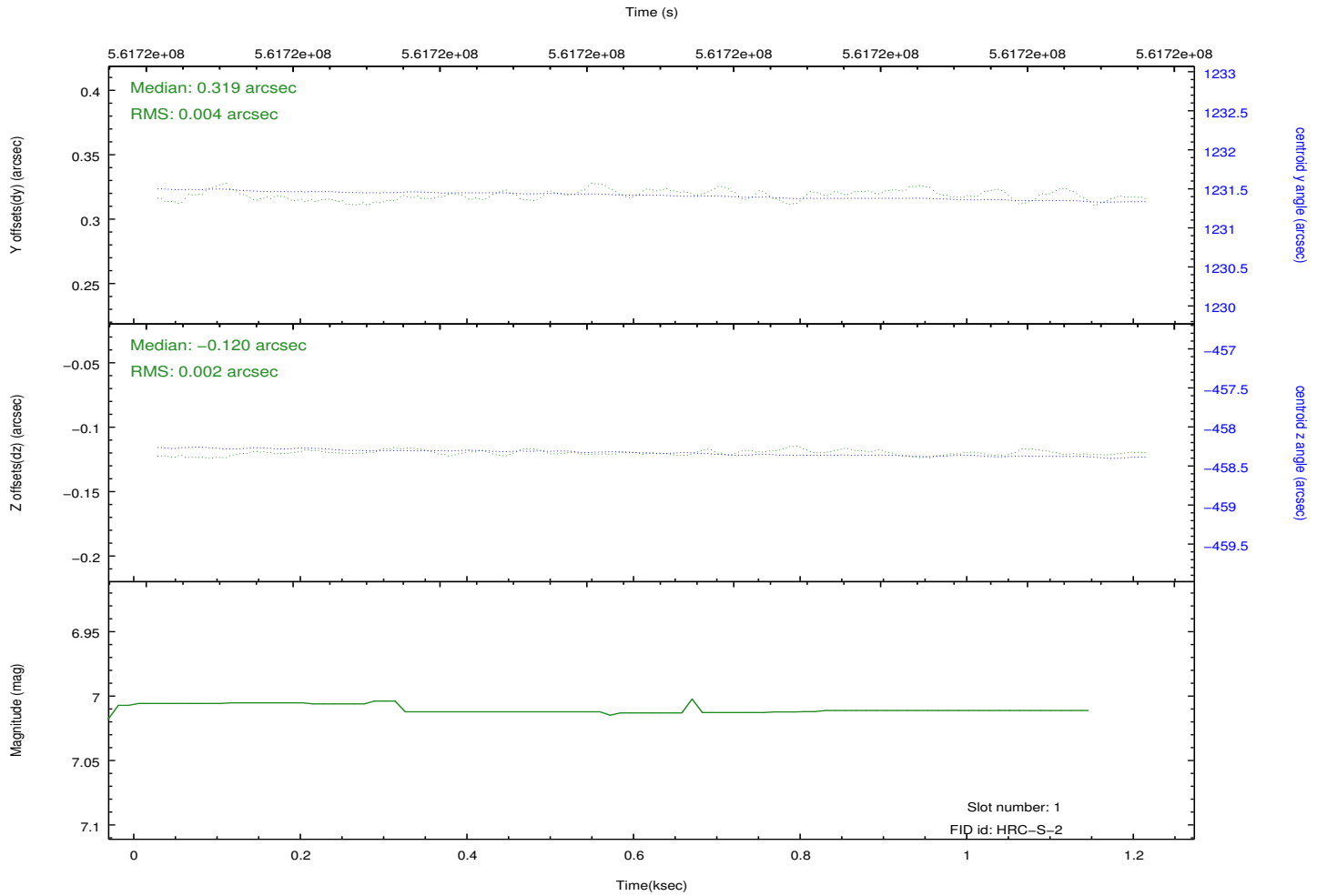
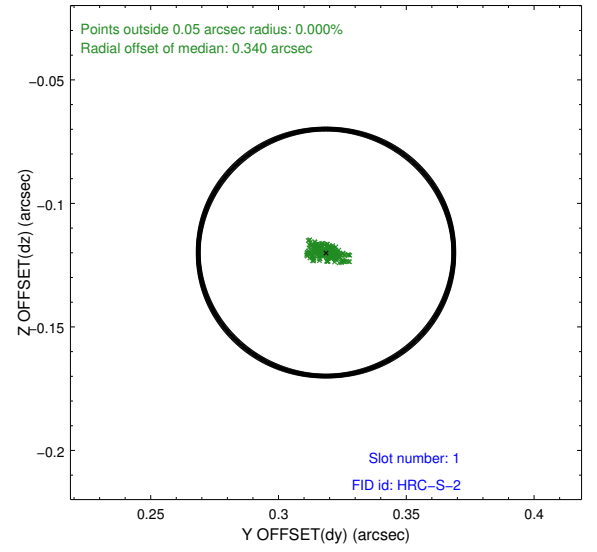
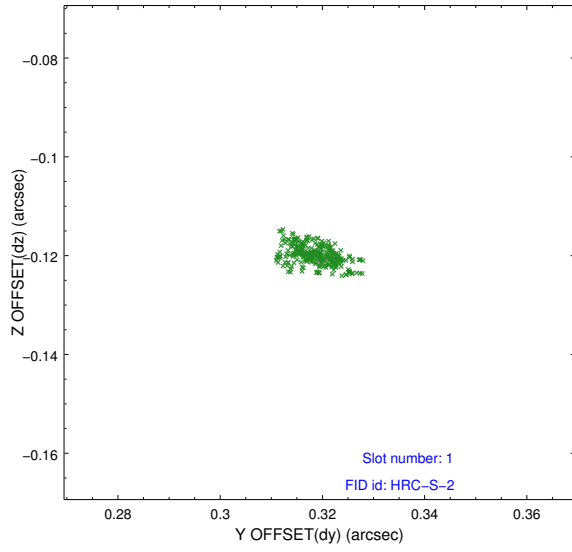


2.5 FID Slots

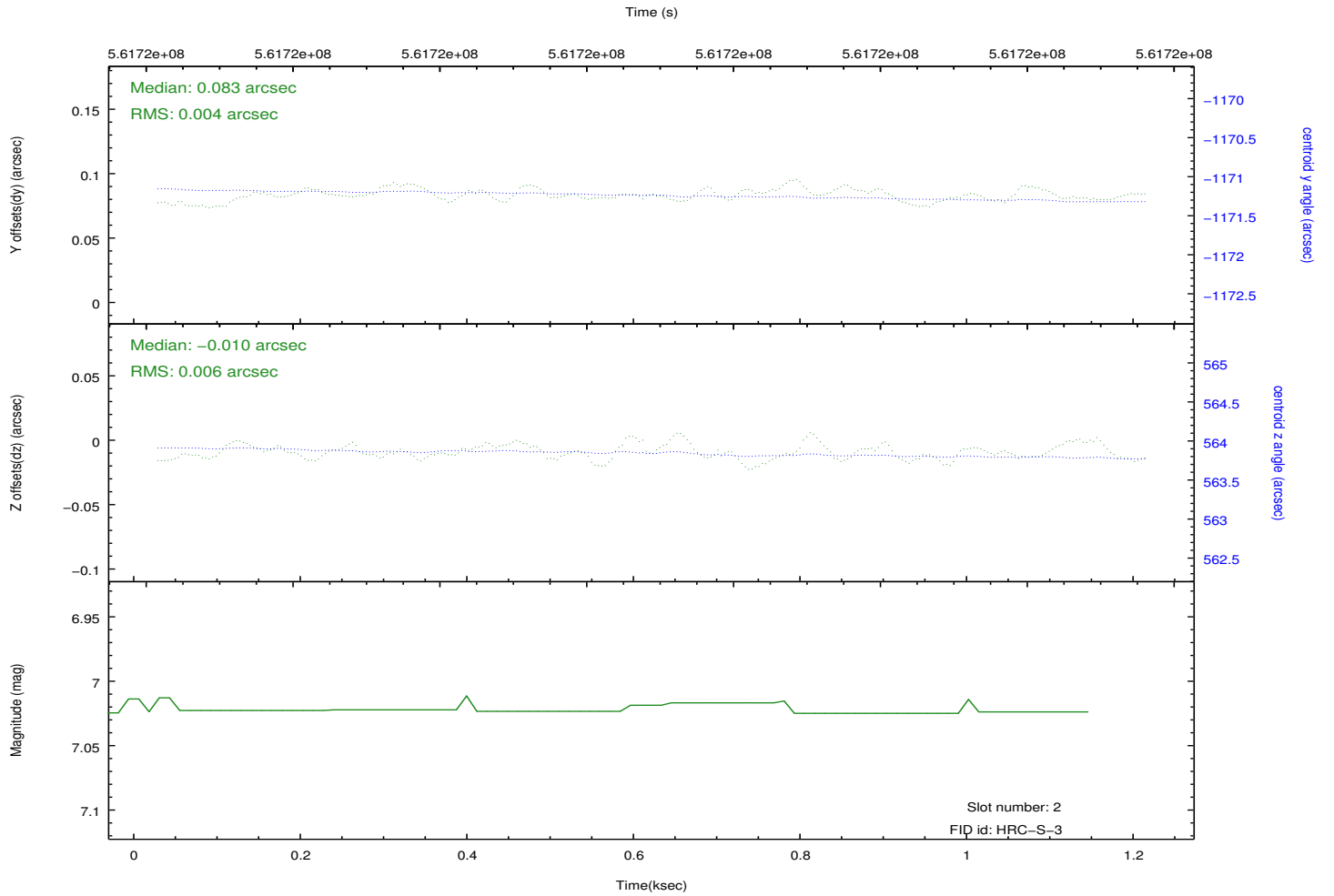
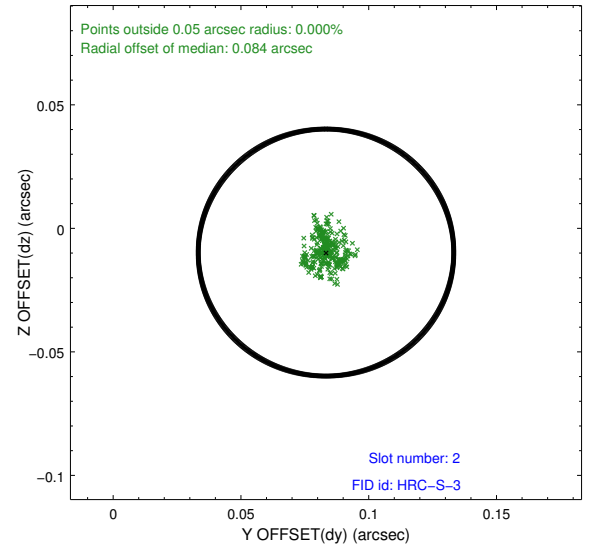
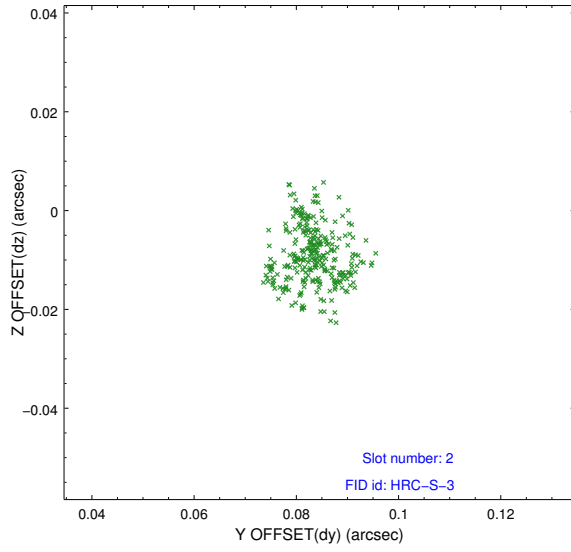
2.5.1 Slot 0



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)	2015.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313155413

A.2 Comments