

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17330 - L2 Version 1
Chandra X-Ray Center

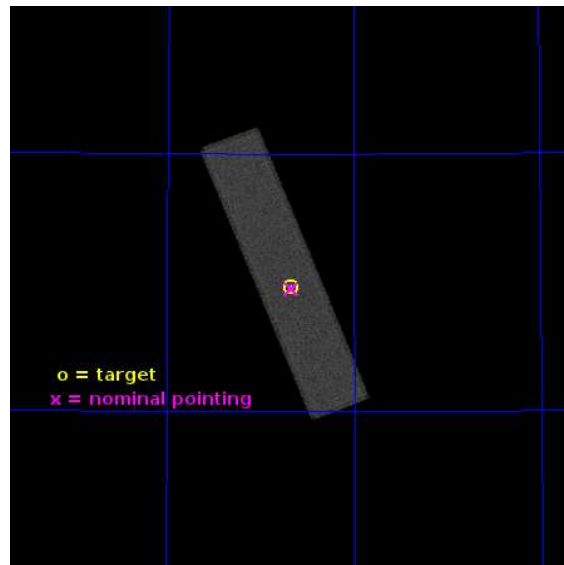
L2 Processing Date : Oct 20 2015

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1 Front

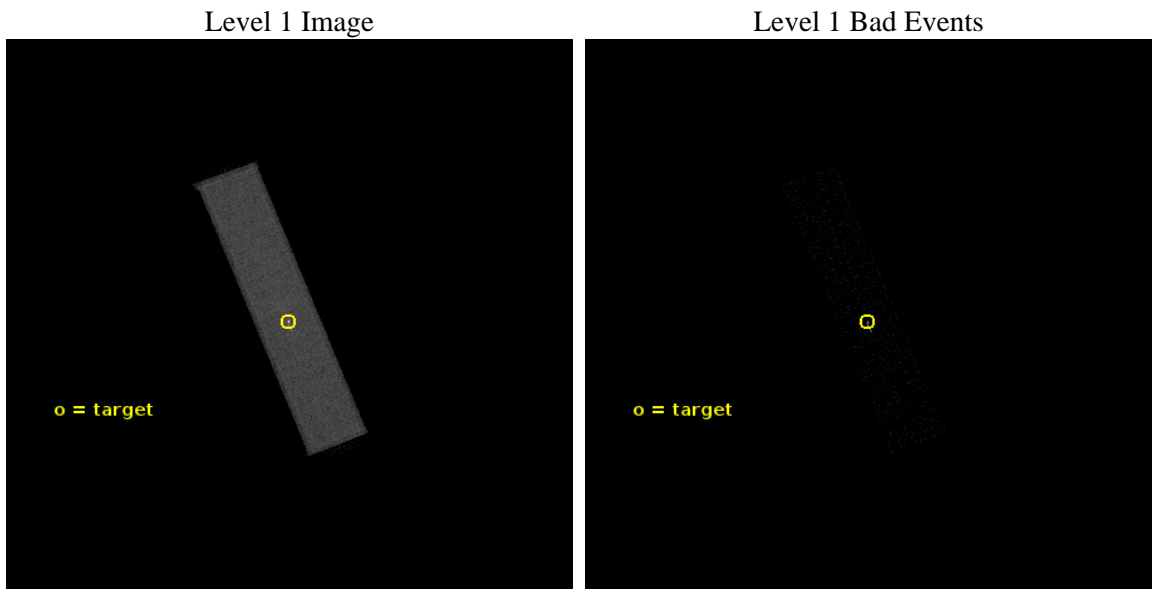
seq_num	291203	Sequence number
obs_id	17330	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1673439928	Nominal RA [deg]
dec_nom	45.737756439112	Nominal Dec [deg]
roll_nom	248.25303555237	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3170.5814293623	[s]
livetime	3150.6812237653	Ontime multiplied by DTCOR
l2events	151509	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	3170.5814293623	[s]
caldsver	4.6.10a	 	l1events	224506	Number of level 1 events
date	2015-10-20T15:54:26	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

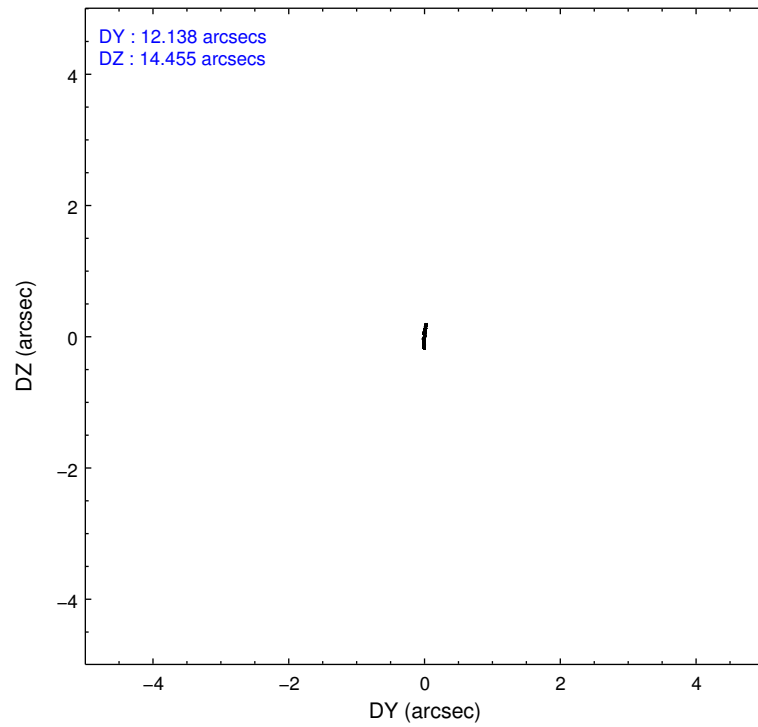
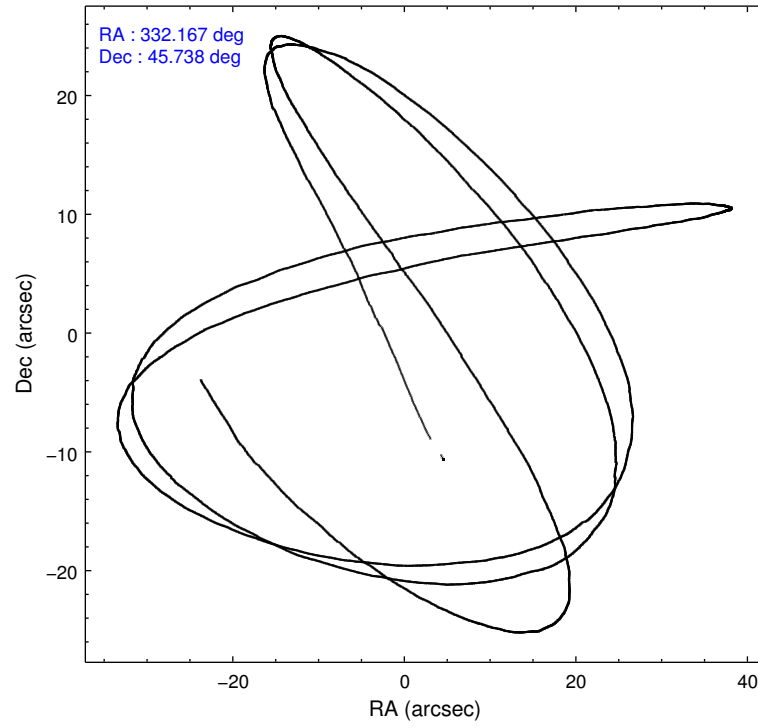
Level 1 Events

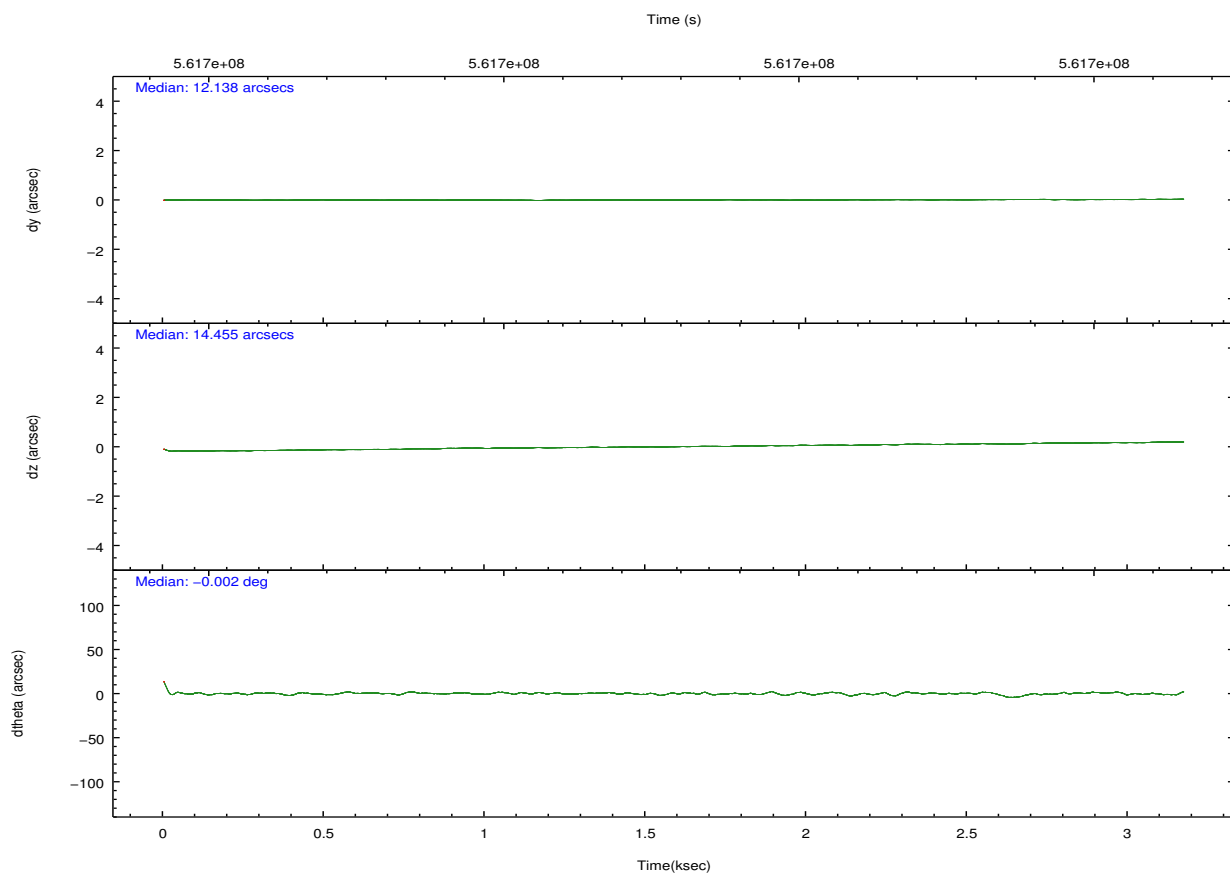
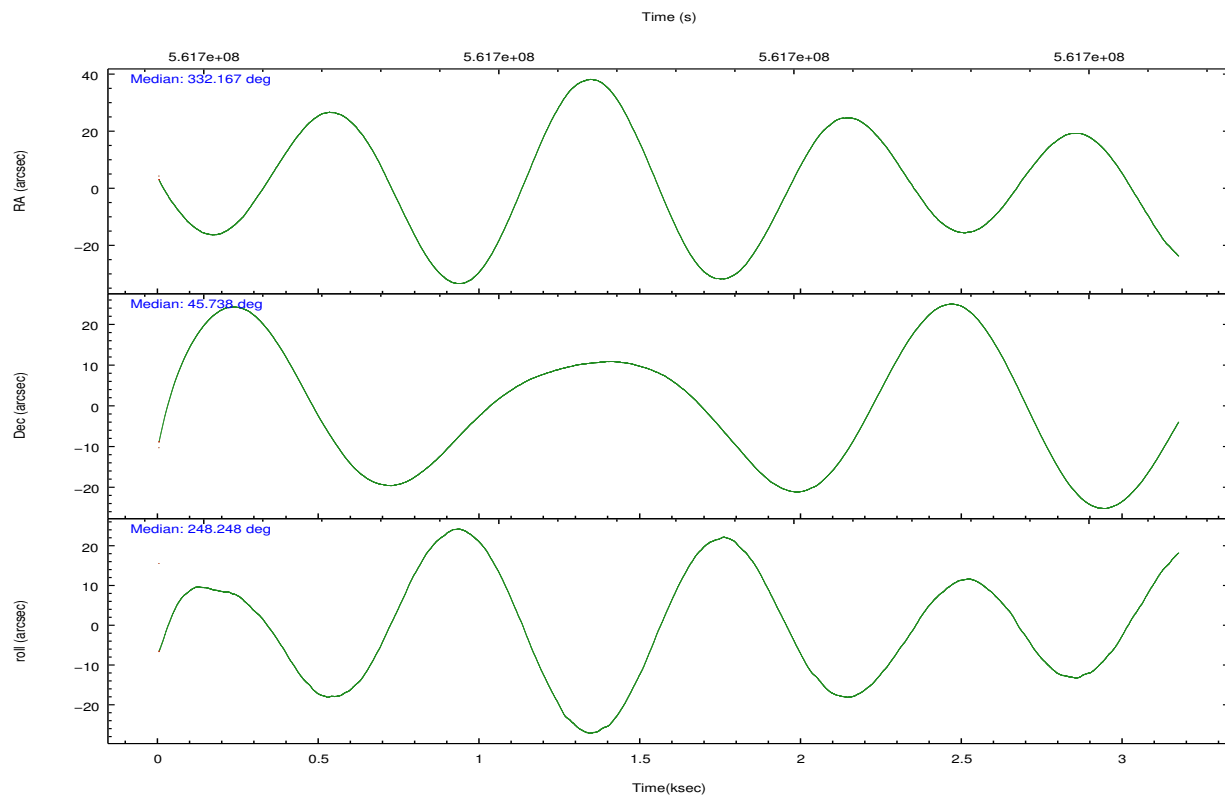
	segment 1	segment 2	segment 3
level 1 events	0	224506	0
rejected events	0	47286	0
rejected %	0%	21%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.159453	332.1673439927957			
[deg] Pointing Dec	45.766075	45.73775643911205			
[deg] Pointing Roll	248.191376	248.25303555237			
[s] Window start time (MET)	554774468.184000	554774468.184000			
[s] Window stop time (MET)	562636868.184000	562636868.184000			
[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)	561695153.184000	561694201.8455			
Observation start date	2015-10-20T02:24:45	2015-10-20T02:10:01			
[s] Observation end time (MET)	561698153.184000	561698286.98323			
Observation end date	2015-10-20T03:14:45	2015-10-20T03:18:06			

2.3 Aspect



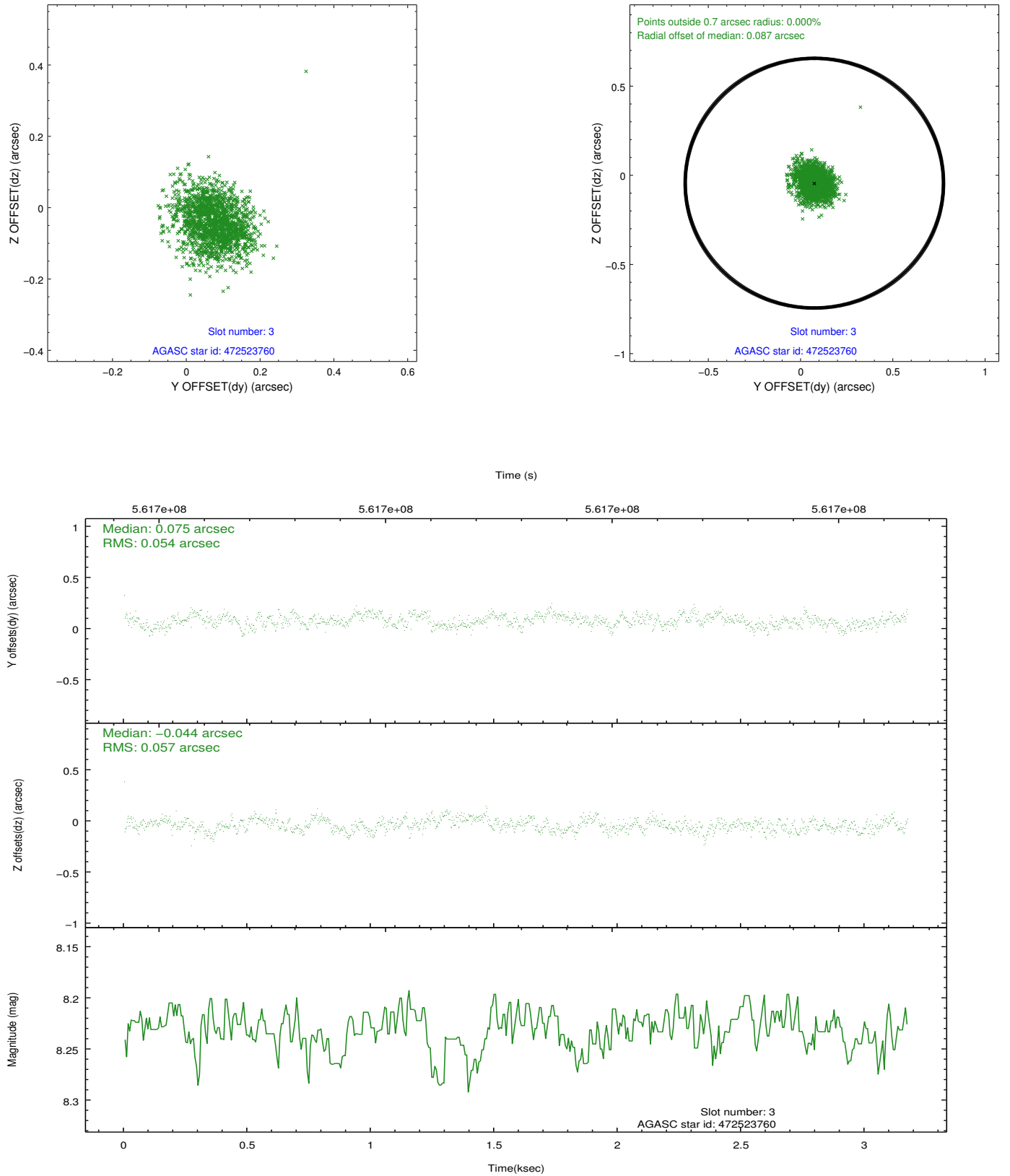


Slot Statistics

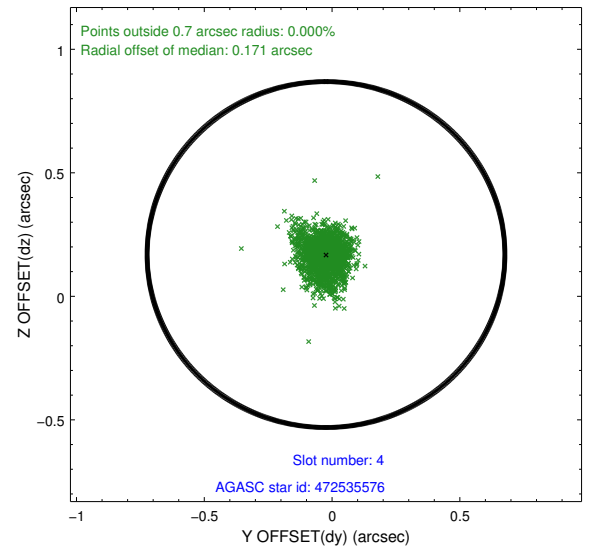
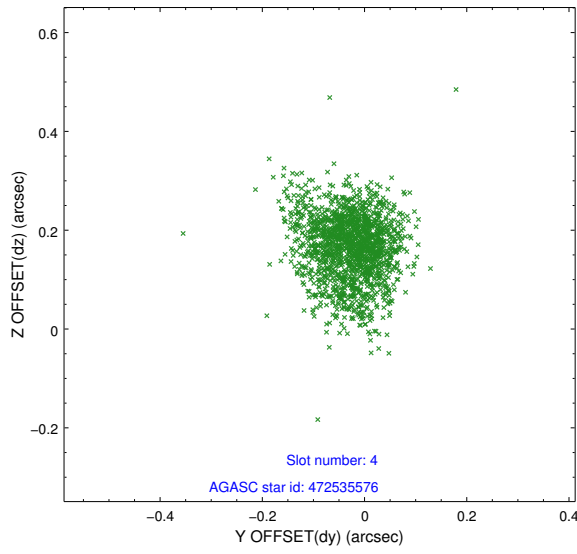
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.01	774	0.010	-0.250	0.007	0.012	0.000000	0.000000	-1166.53	-463.35
1	FID		HRC-S-3	7.00	774	-0.022	0.001	0.008	0.014	0.000000	0.000000	-1170.77	565.82
2	FID		HRC-S-4	6.96	774	0.400	-0.048	0.004	0.010	0.000000	0.000000	1230.60	569.62
3	GUIDE	used	472523760	8.23	1548	0.075	-0.044	0.083	0.134	331.645363	45.403260	1692.23	-722.29
4	GUIDE	used	472535576	7.84	1547	-0.024	0.169	0.088	0.146	331.438373	46.291802	-1096.67	-2371.48
5	GUIDE	used	472655152	9.40	1546	-0.042	-0.097	0.190	0.305	332.504239	45.862991	-647.07	671.10
6	GUIDE	used	472665256	8.99	1547	-0.025	-0.226	0.107	0.174	332.808125	46.195041	-2040.53	925.08
7	GUIDE	used	472536328	8.11	1547	0.015	0.201	0.074	0.124	331.496671	46.454831	-1698.46	-2448.86

2.4 Star Slots

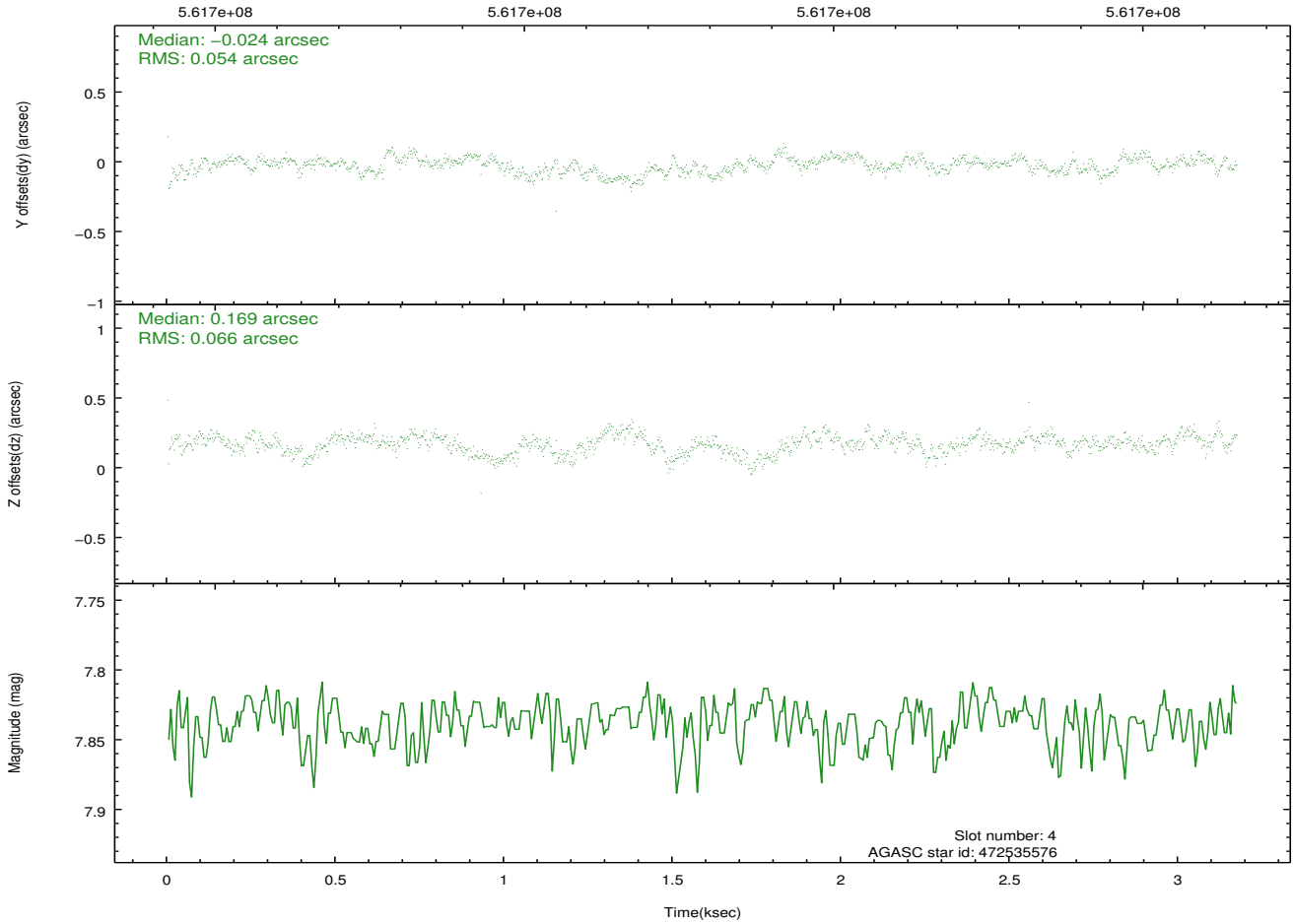
2.4.1 Slot 3



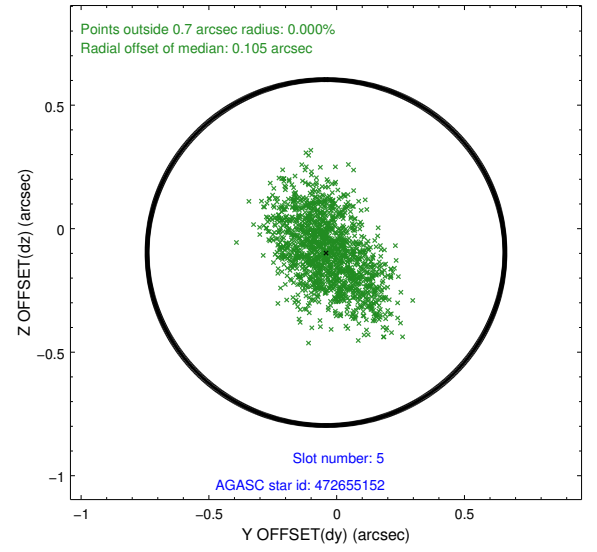
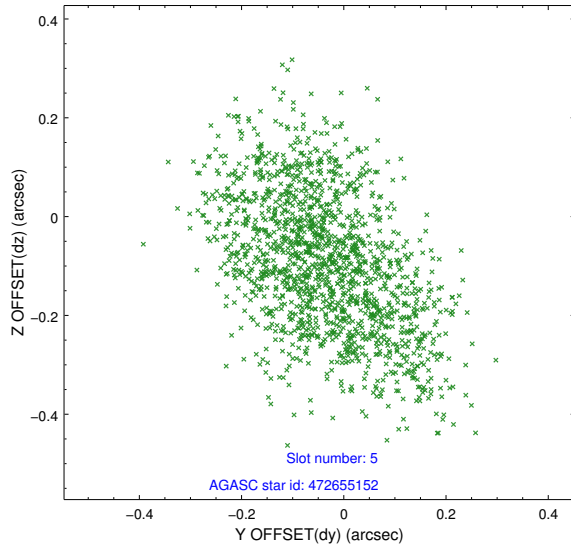
2.4.2 Slot 4



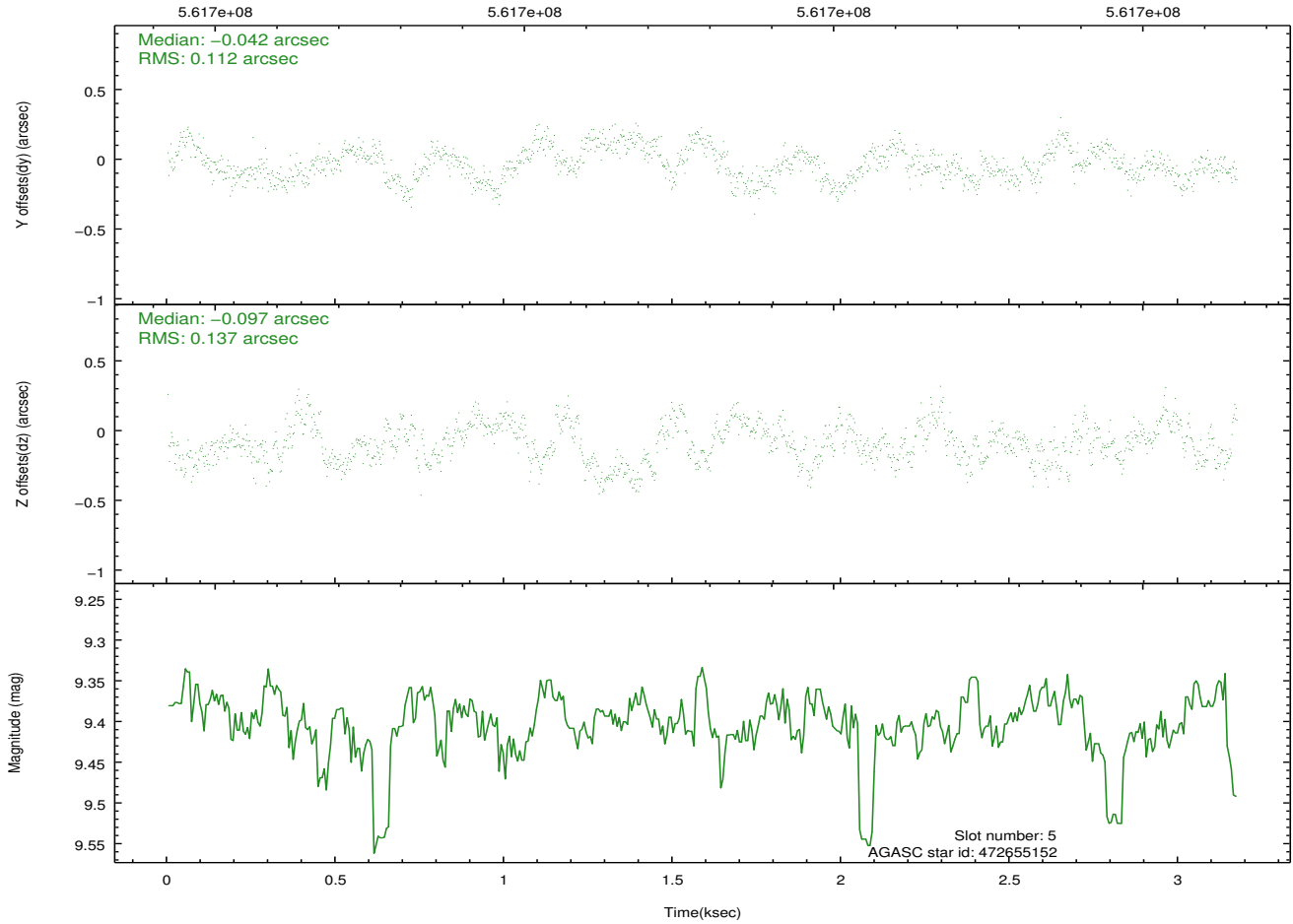
Time (s)



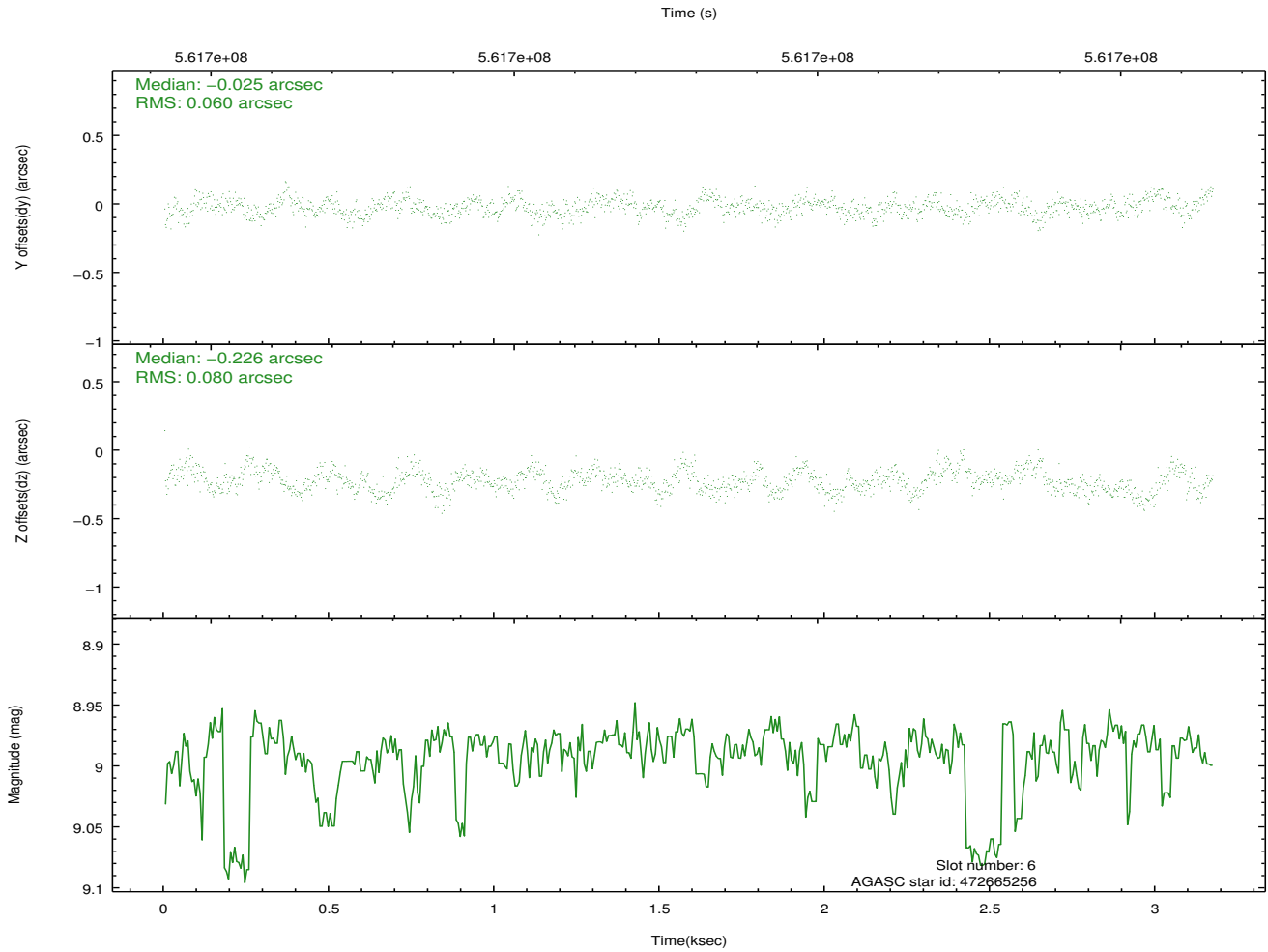
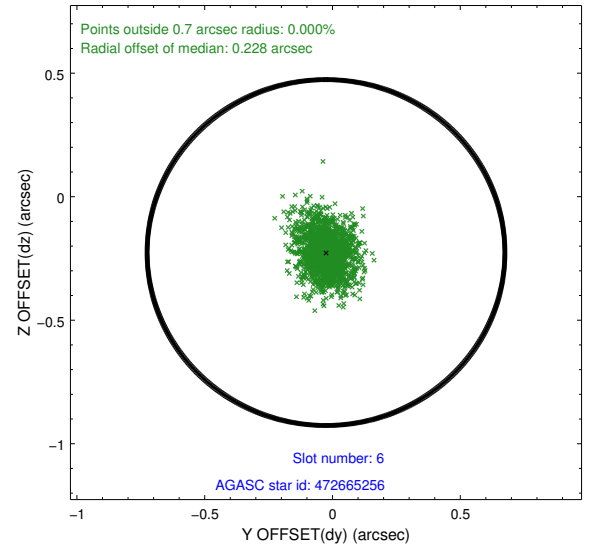
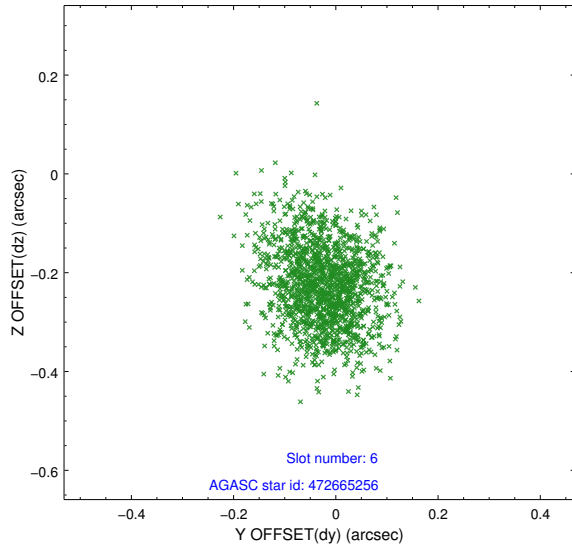
2.4.3 Slot 5



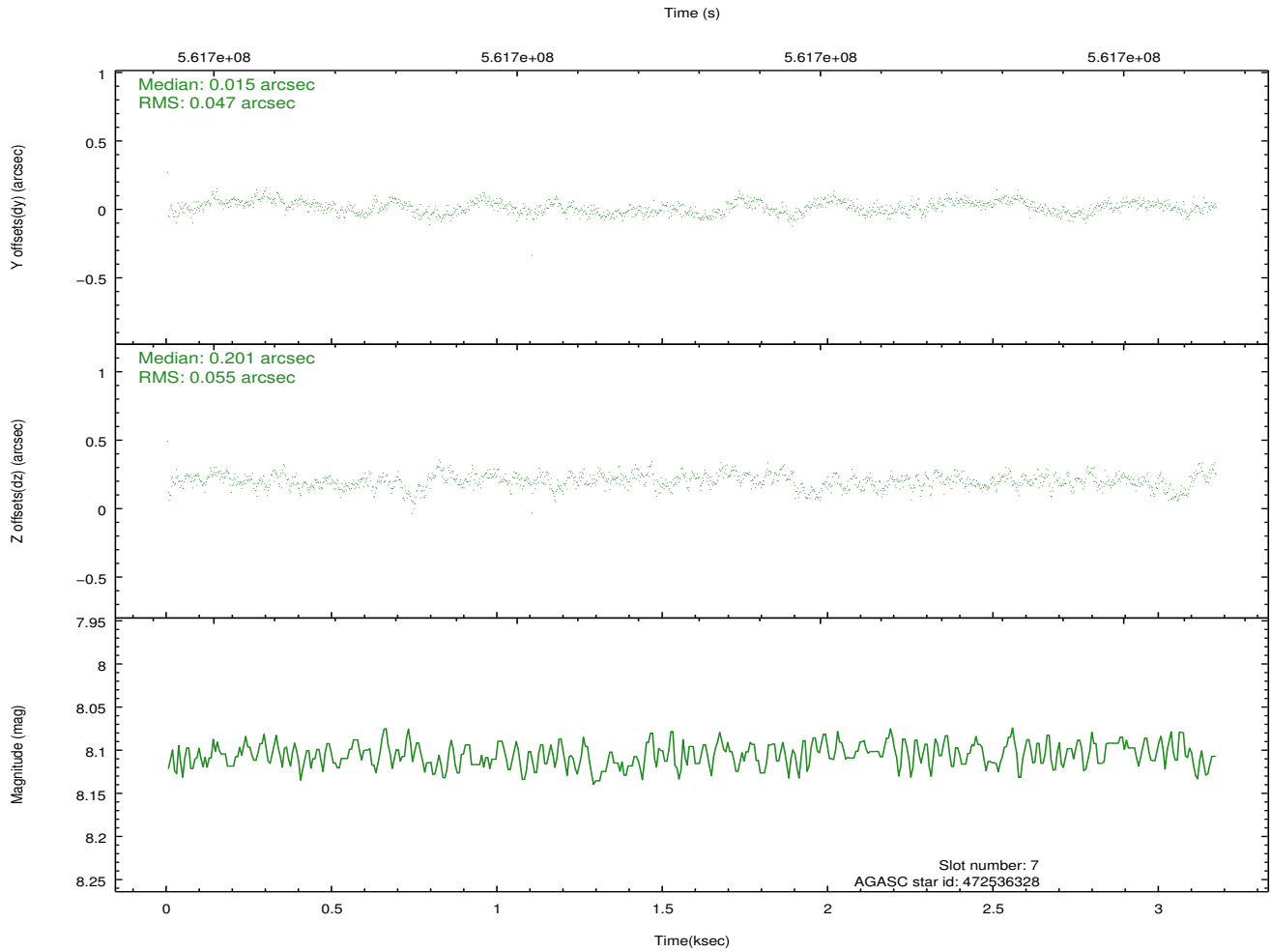
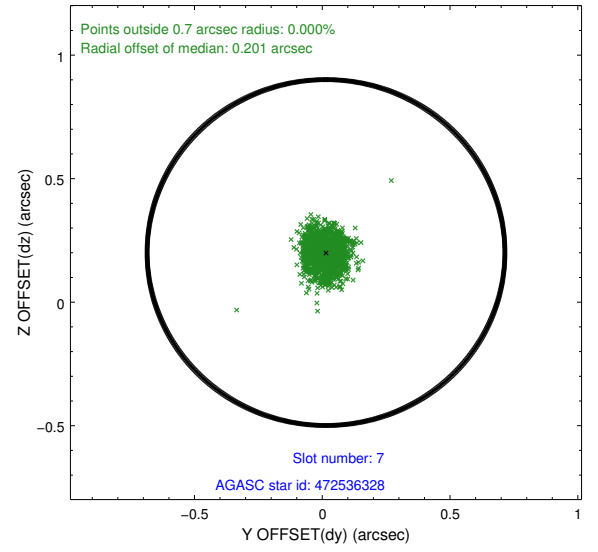
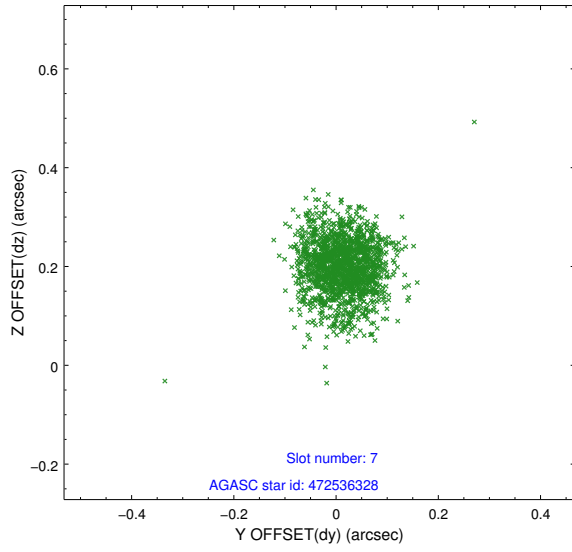
Time (s)



2.4.4 Slot 6

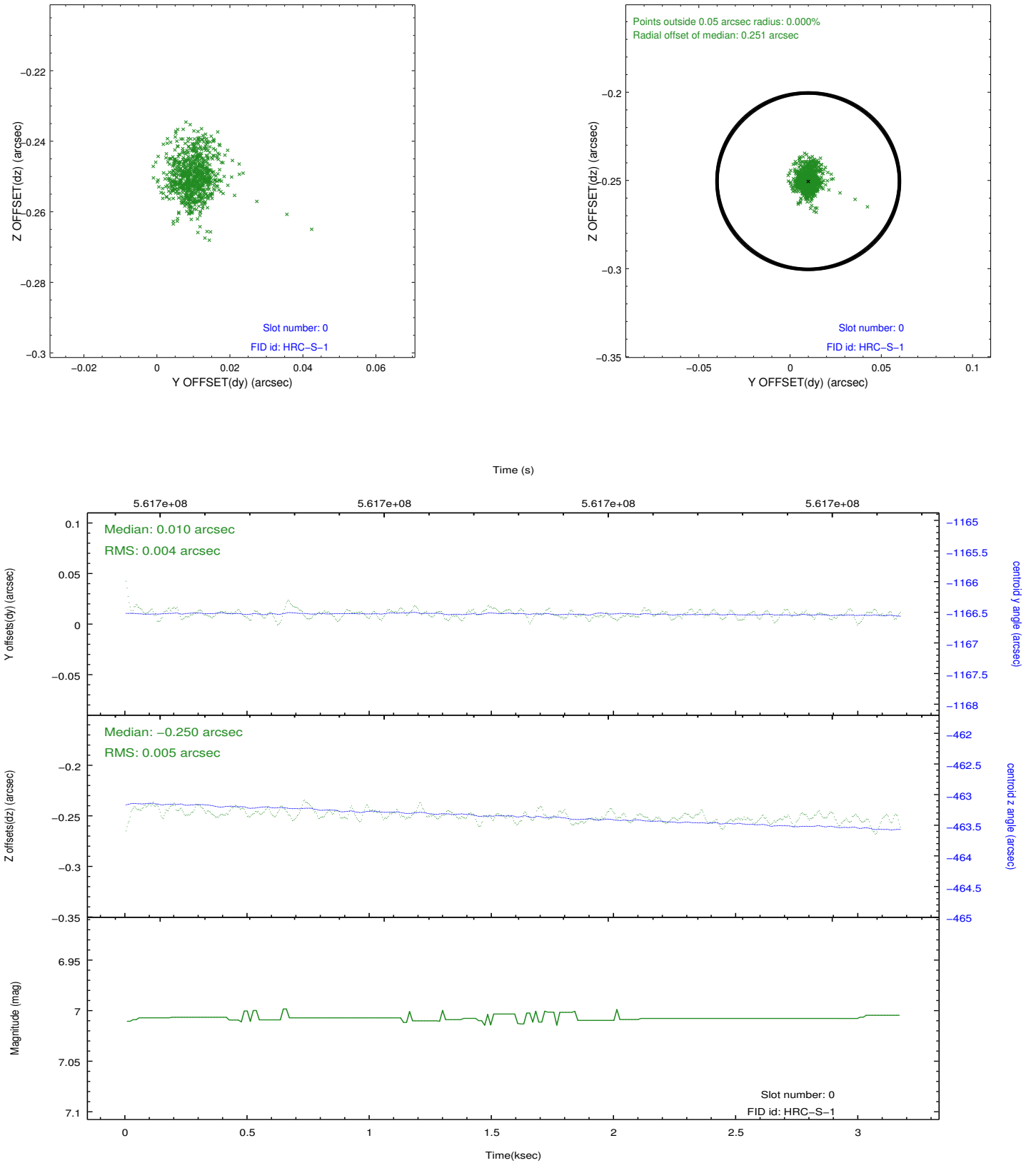


2.4.5 Slot 7

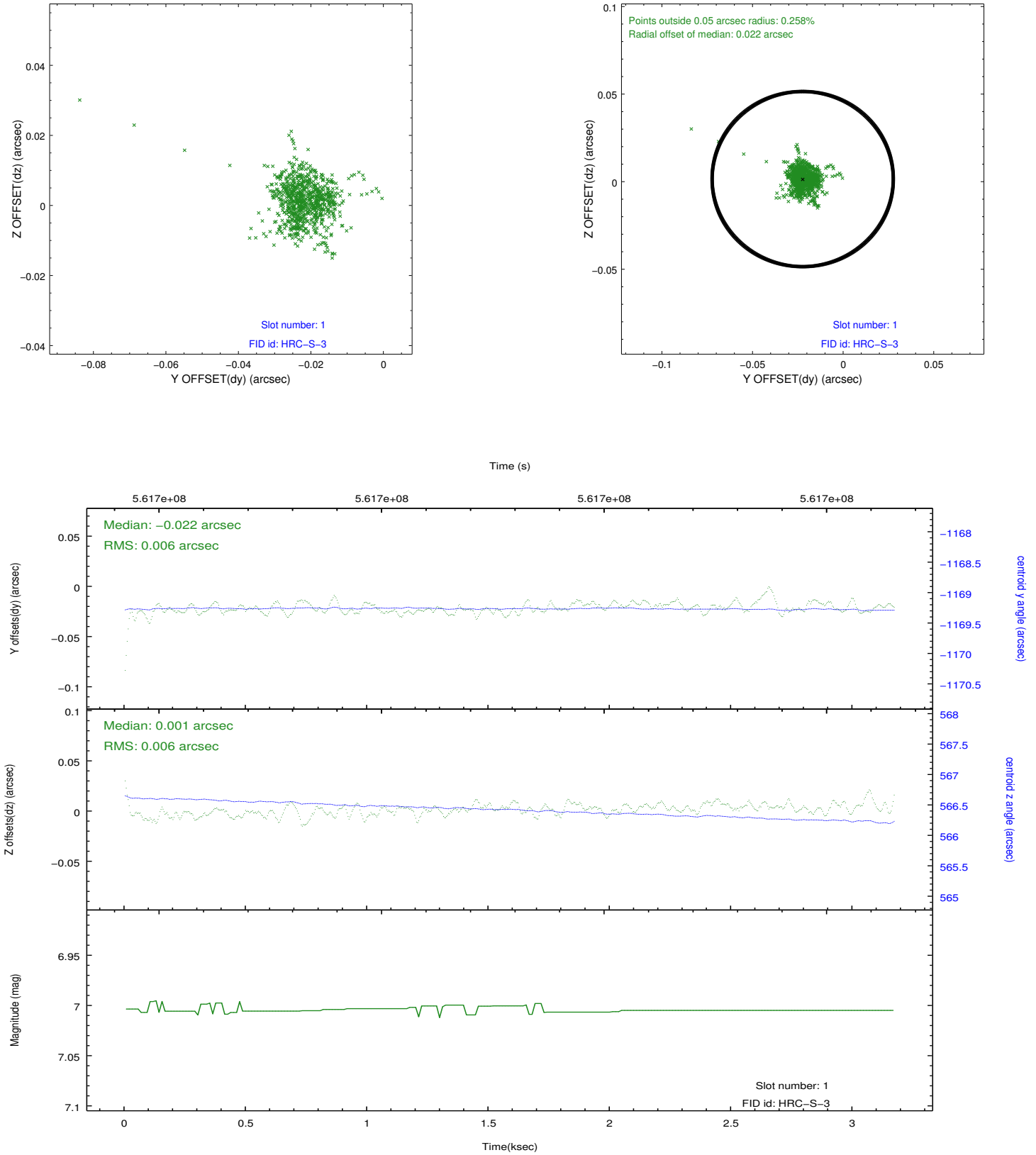


2.5 FID Slots

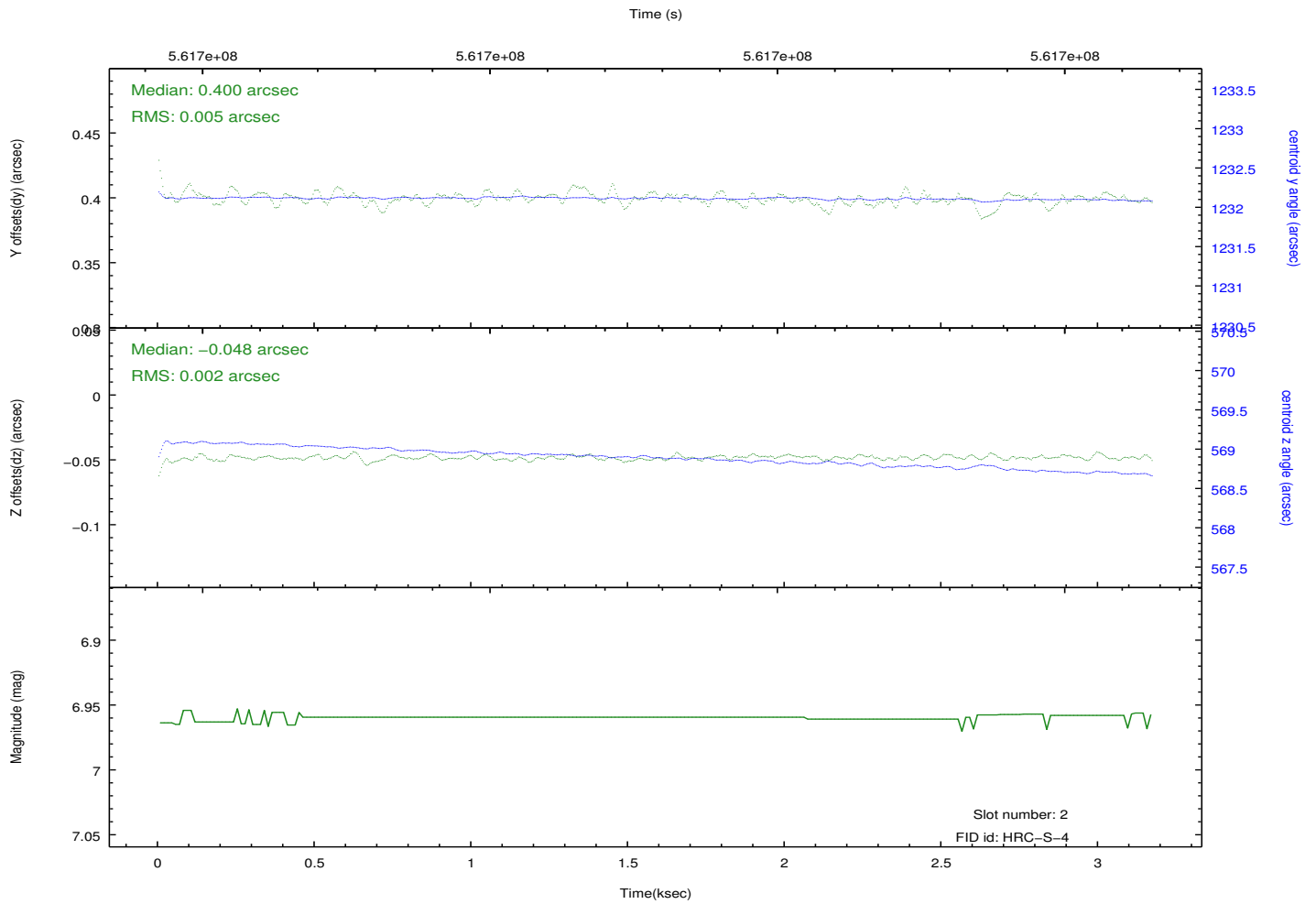
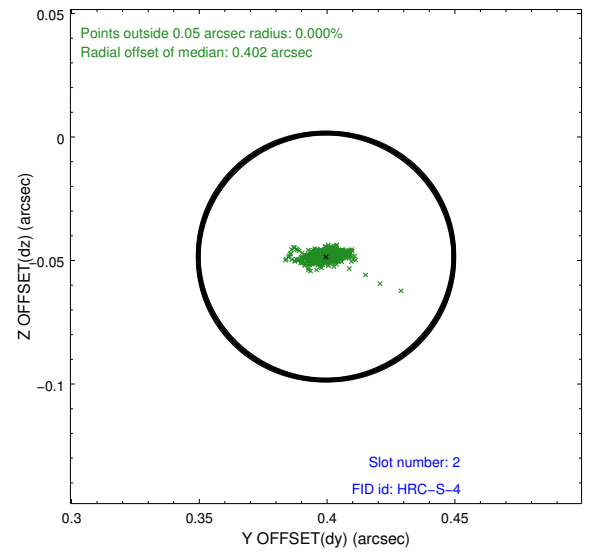
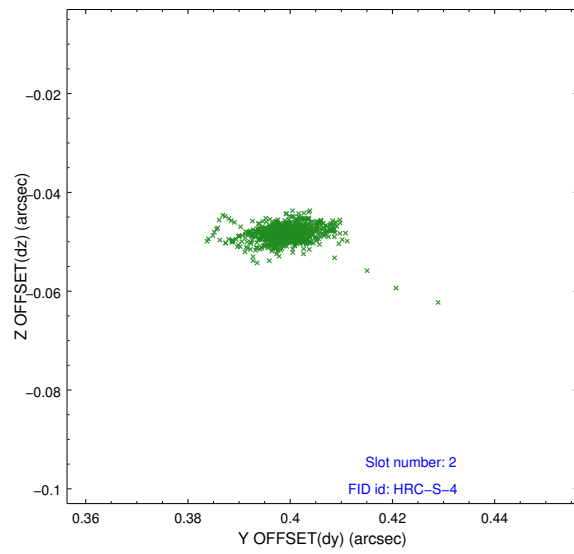
2.5.1 Slot 0



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)	2015.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1705814293623

A.2 Comments

Window constraint met.