

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17346 - L2 Version 1
Chandra X-Ray Center

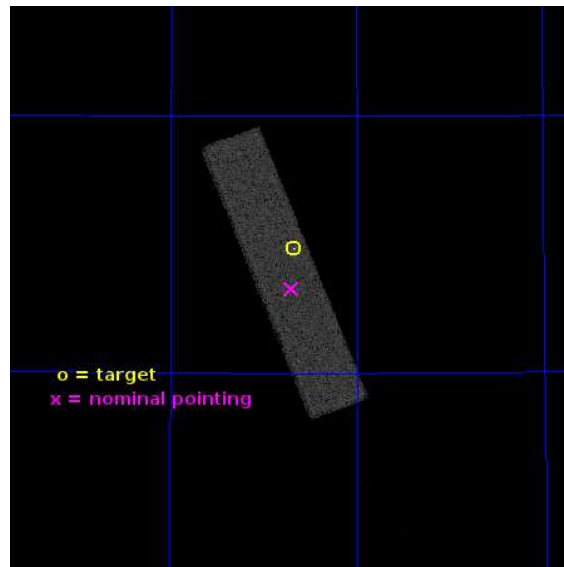
L2 Processing Date : Oct 20 2015

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1 Front

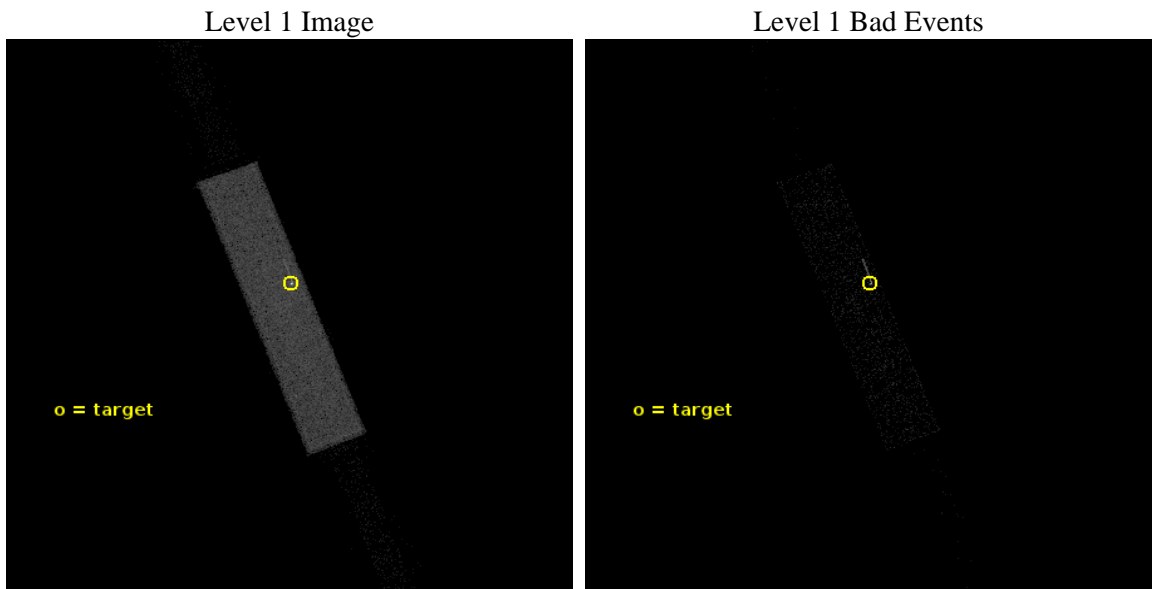
seq_num	291219	Sequence number
obs_id	17346	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17572049726	Nominal RA [deg]
dec_nom	45.664097714191	Nominal Dec [deg]
roll_nom	248.65444774187	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1161.5813157558	[s]
livetime	1154.291919928	Ontime multiplied by DTCOR
l2events	55479	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	1161.5813157558	[s]
caldbver	4.6.10a	 	l1events	84391	Number of level 1 events
date	2015-10-20T22:46:23	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

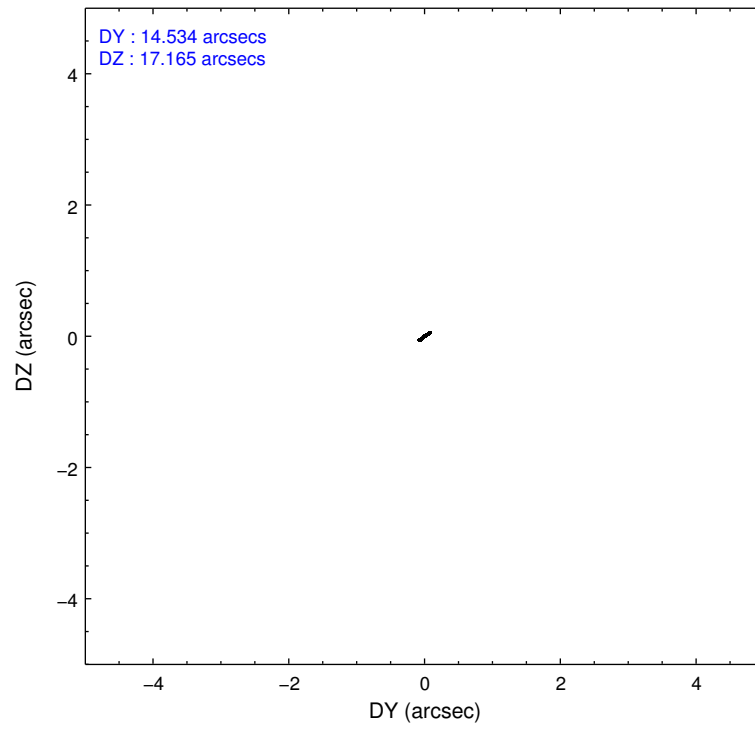
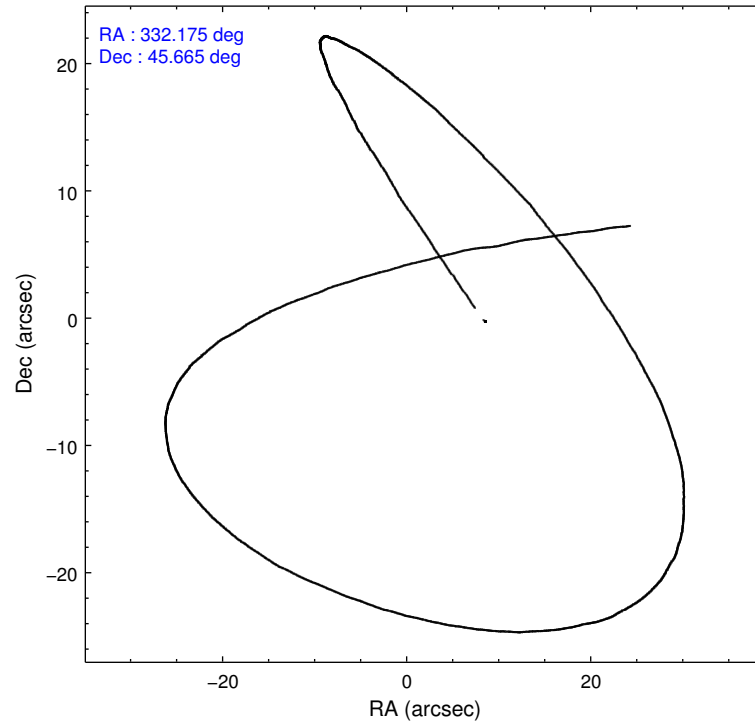
	segment 1	segment 2	segment 3
level 1 events	672	83020	699
rejected events	672	18059	685
rejected %	100%	21%	97%

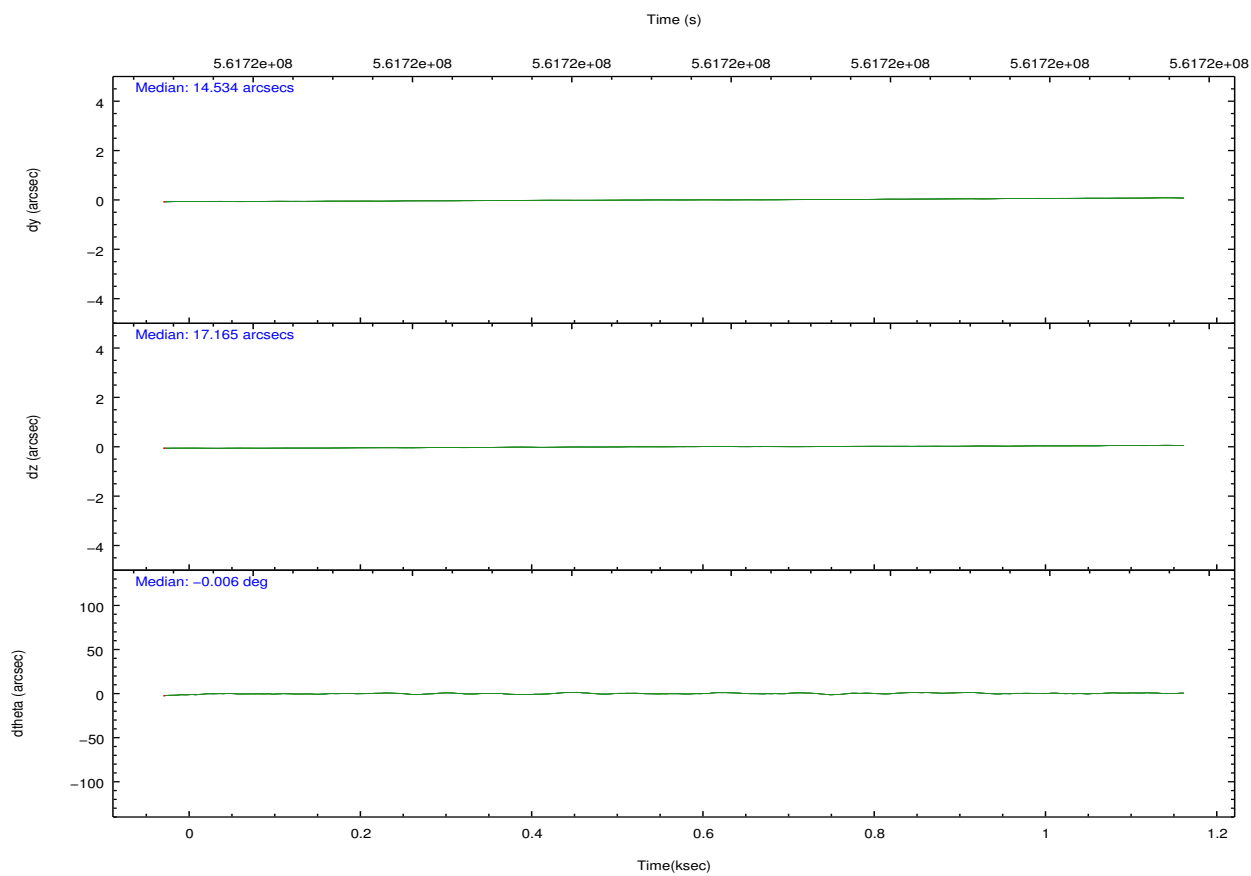
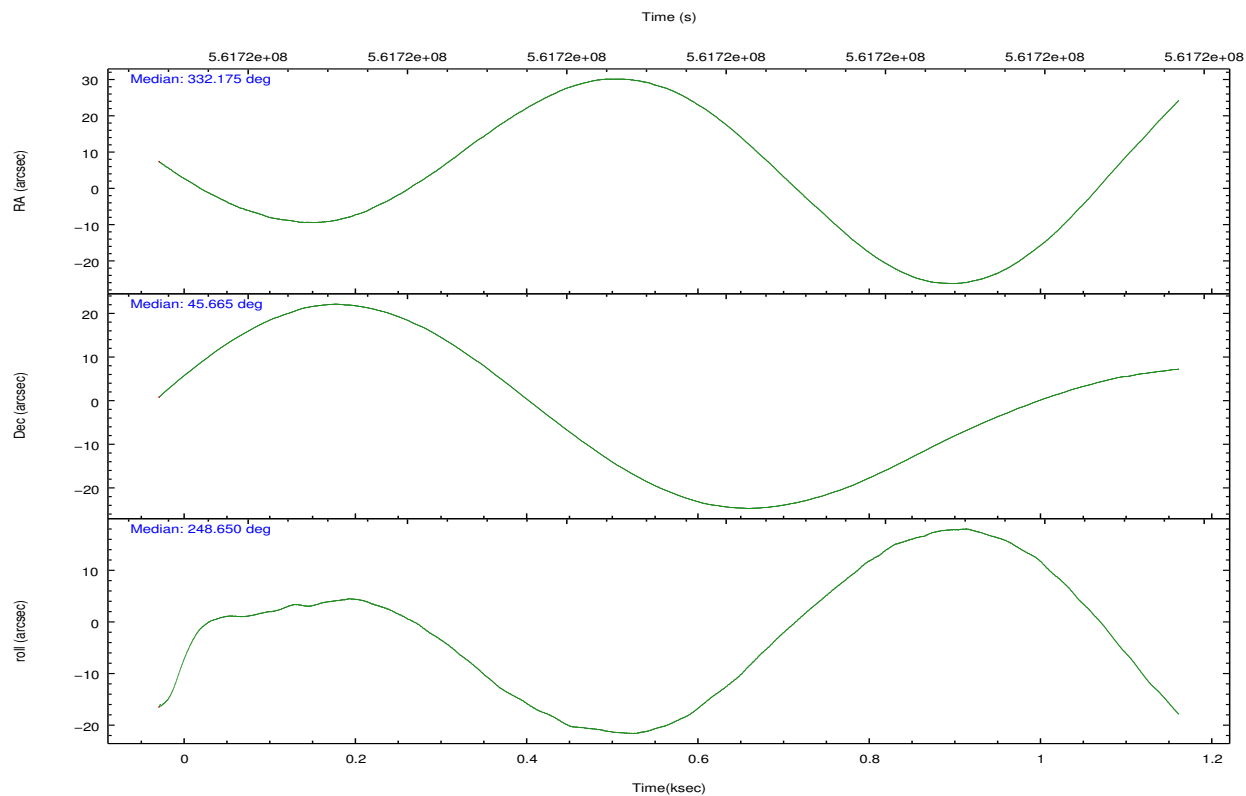
2.2 Compared Parameters

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	332.168808	332.1757204972571
[deg] Pointing Dec	45.691797	45.66409771419052
[deg] Pointing Roll	248.592187	248.6544477418745
[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)	561721313.184000	561720936.92202
Observation start date	2015-10-20T09:40:45	2015-10-20T09:35:36
[s] Observation end time (MET)	561722313.184000	561722447.2596
Observation end date	2015-10-20T09:57:25	2015-10-20T10:00:47

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

2.3 Aspect



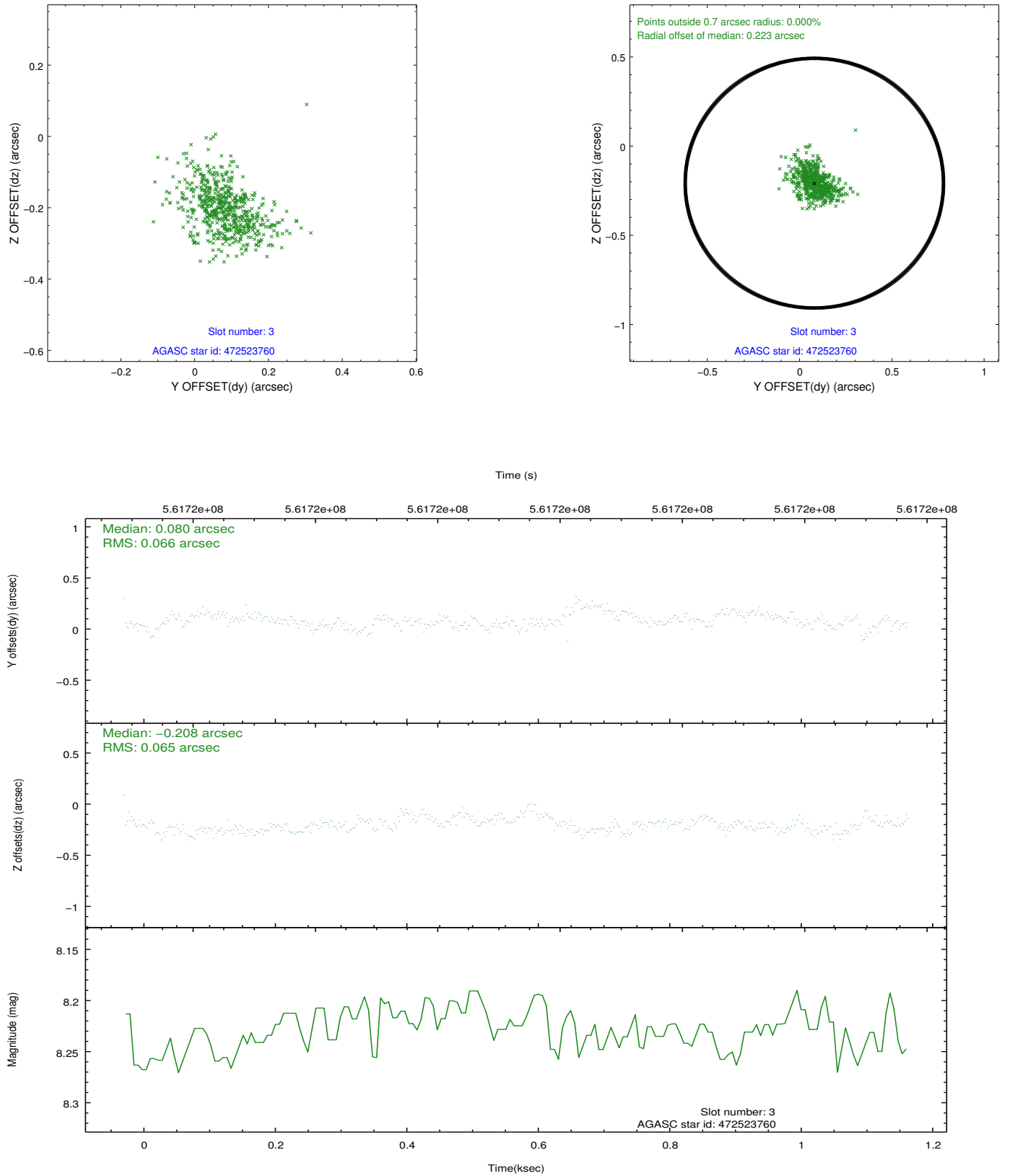


Slot Statistics

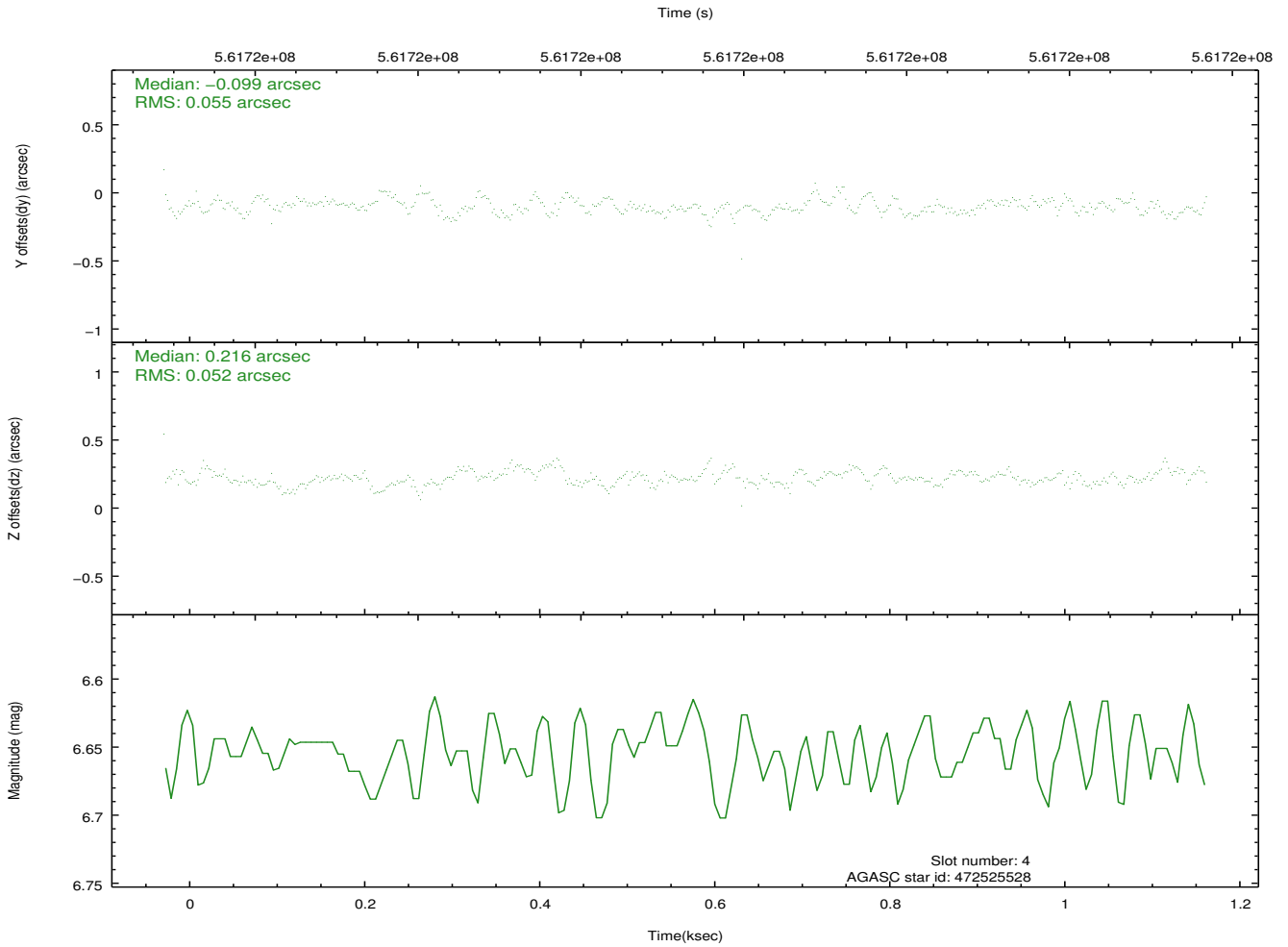
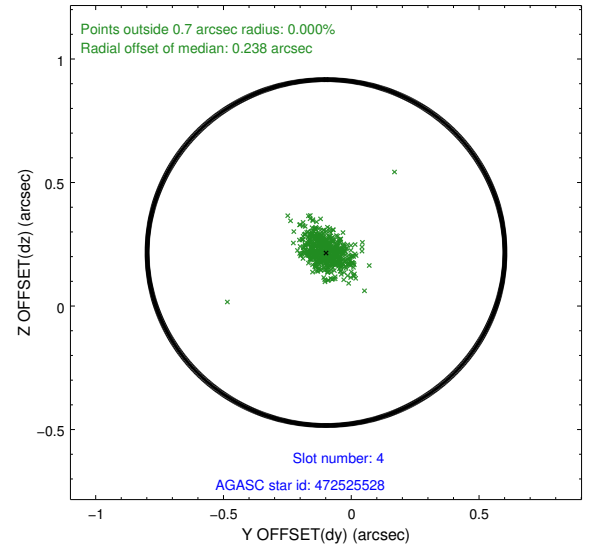
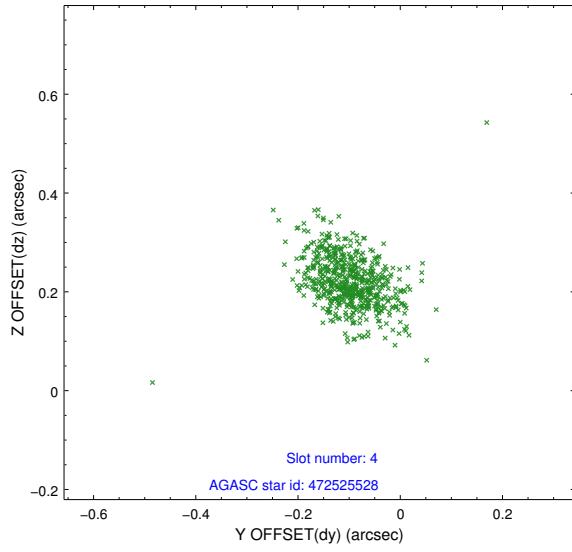
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.03	291	-0.011	-0.166	0.007	0.011	0.000000	0.000000	-1168.97	-466.12
1	FID		HRC-S-2	7.01	291	0.320	-0.121	0.005	0.009	0.000000	0.000000	1227.00	-460.22
2	FID		HRC-S-3	7.02	291	0.082	-0.015	0.007	0.012	0.000000	0.000000	-1167.43	561.96
3	GUIDE	used	472523760	8.23	582	0.080	-0.208	0.096	0.162	331.645363	45.403260	1447.44	-850.31
4	GUIDE	used	472525528	6.65	582	-0.099	0.216	0.075	0.130	331.551102	45.248694	2054.58	-874.50
5	GUIDE	used	472533912	9.13	580	-0.017	0.258	0.148	0.254	331.791136	46.368695	-1923.54	-1761.07
6	GUIDE	used	472655152	9.40	582	0.015	-0.130	0.176	0.282	332.504239	45.862991	-884.45	558.32
7	GUIDE	used	472665256	8.99	581	0.043	-0.133	0.098	0.168	332.808125	46.195041	-2274.56	824.41

2.4 Star Slots

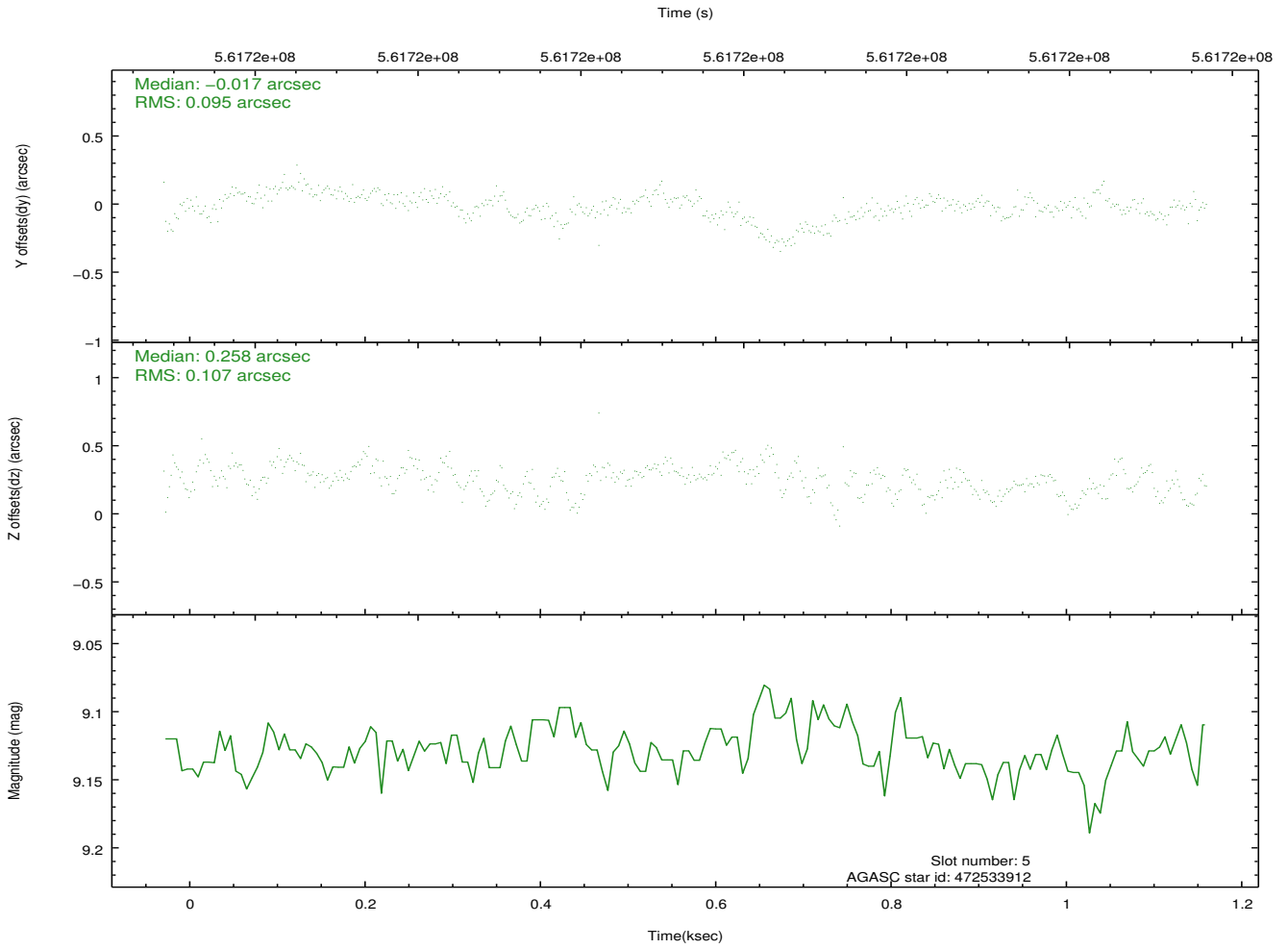
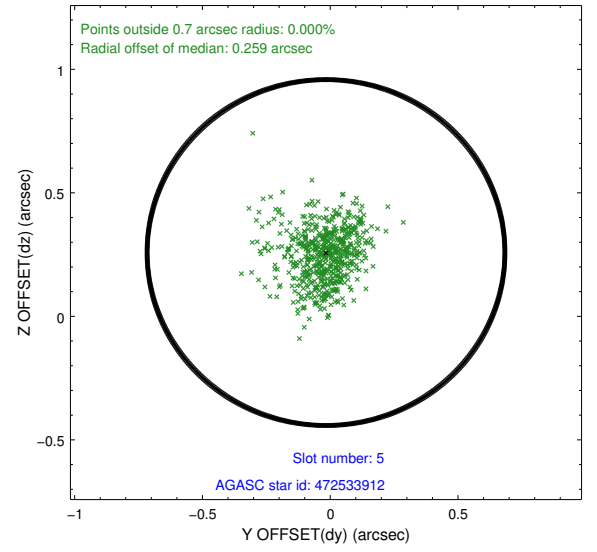
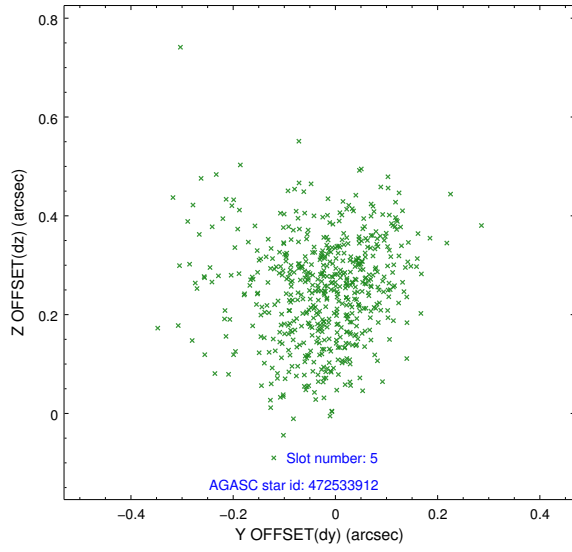
2.4.1 Slot 3



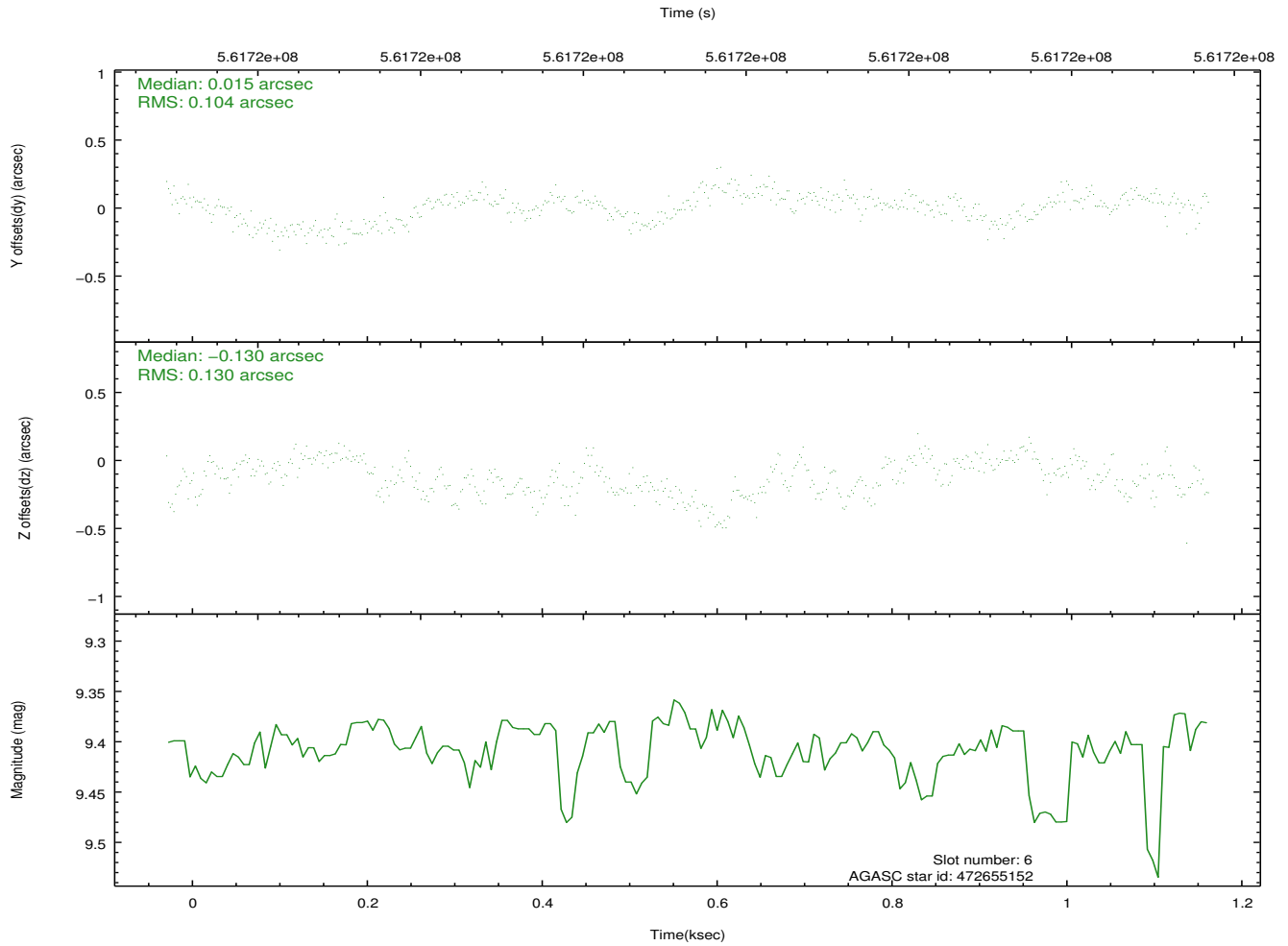
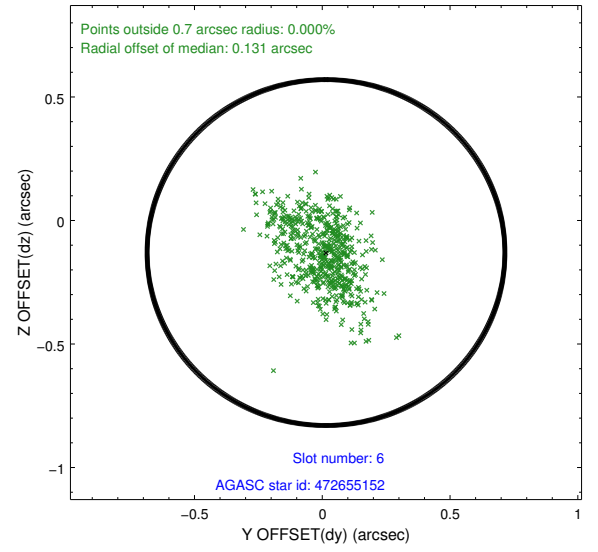
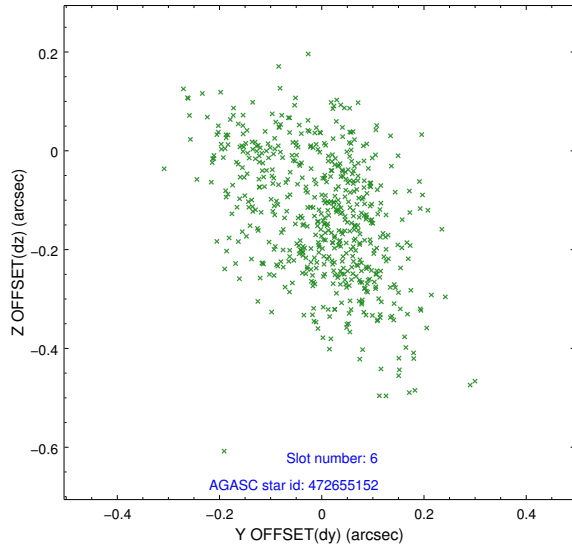
2.4.2 Slot 4



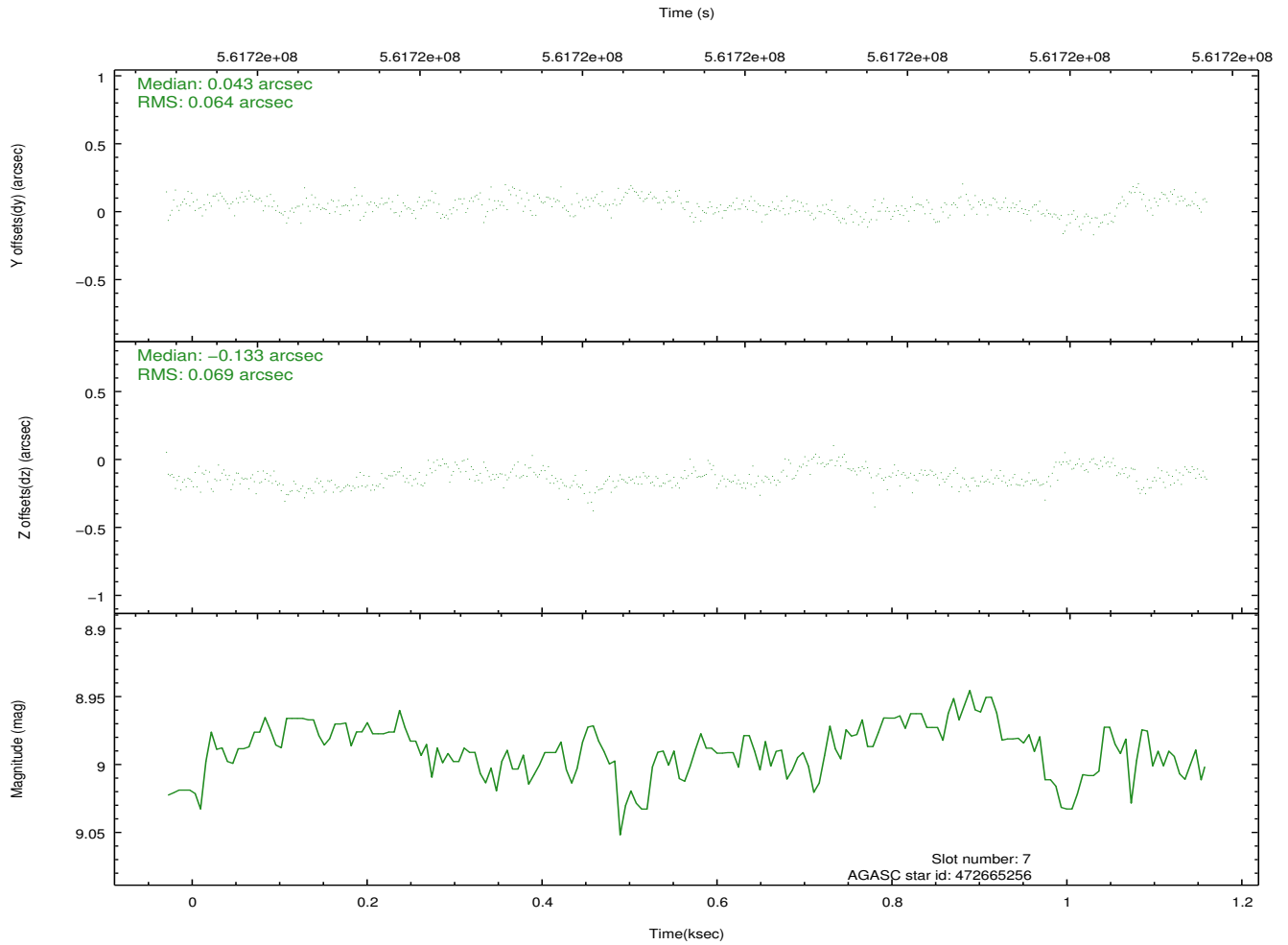
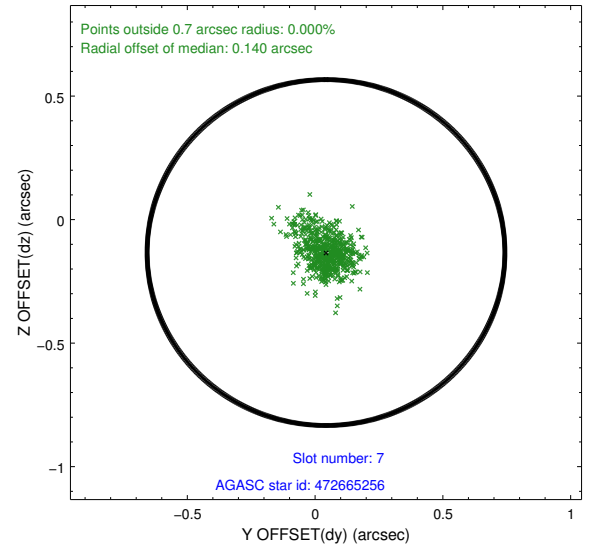
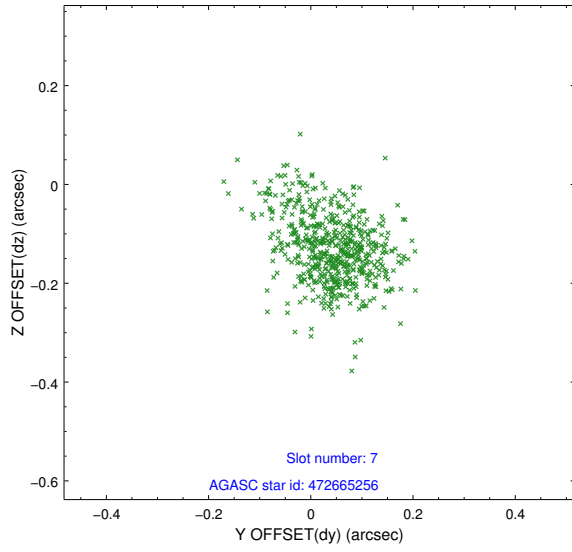
2.4.3 Slot 5



2.4.4 Slot 6

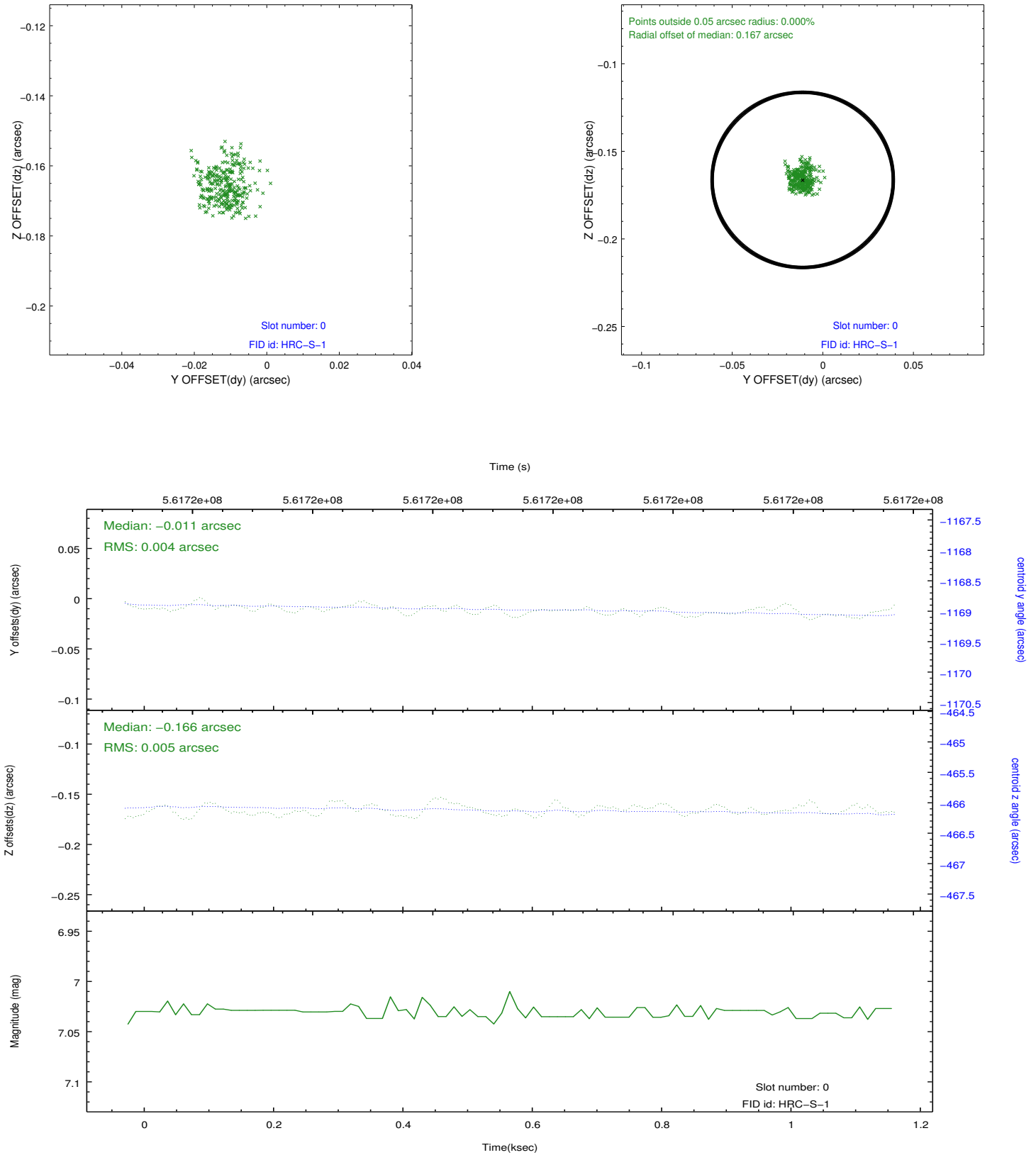


2.4.5 Slot 7

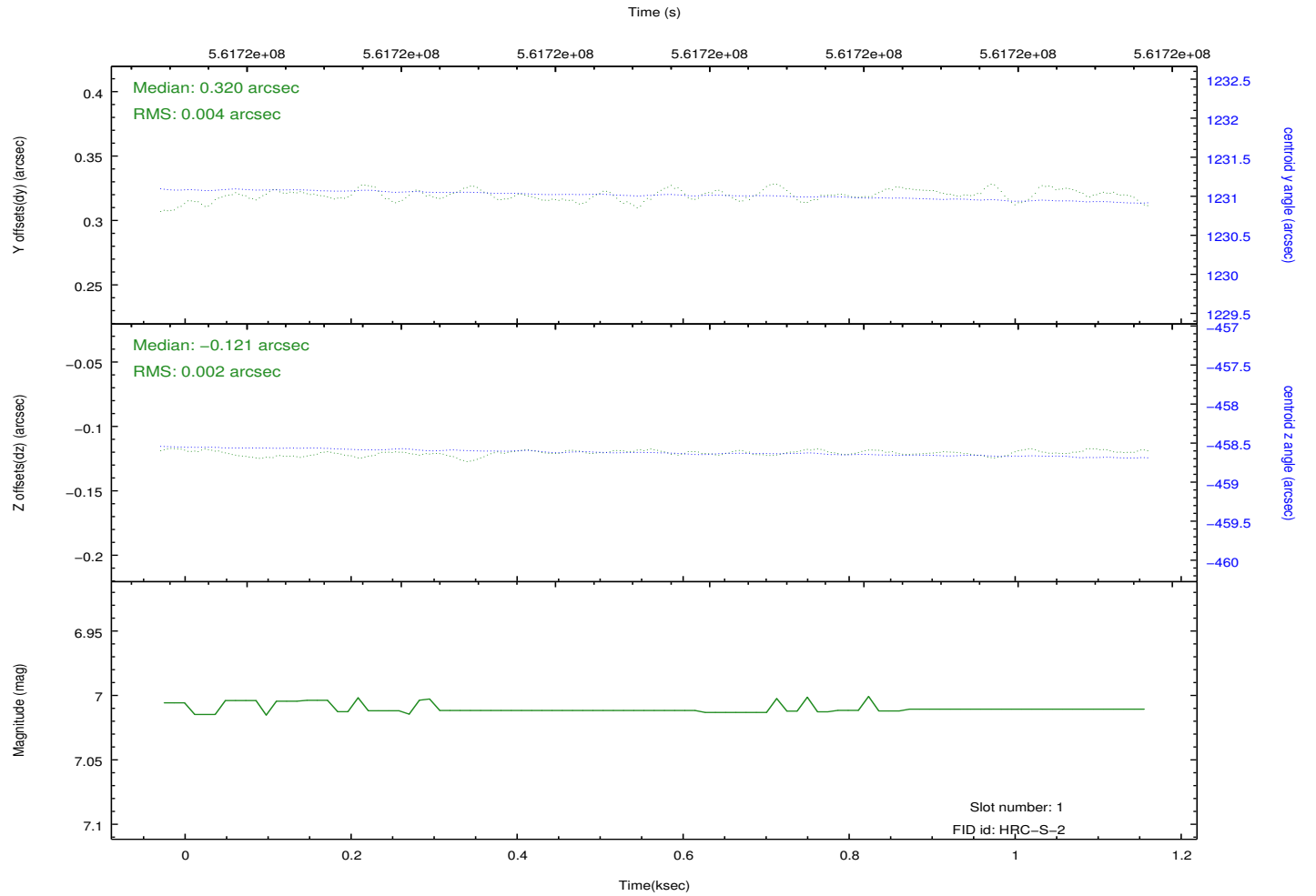
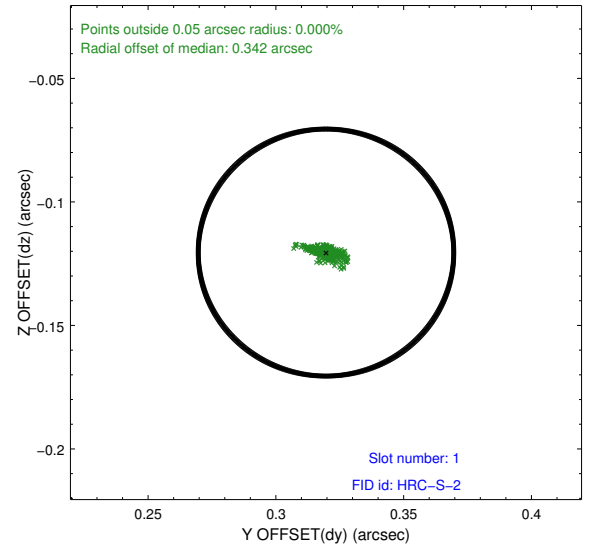
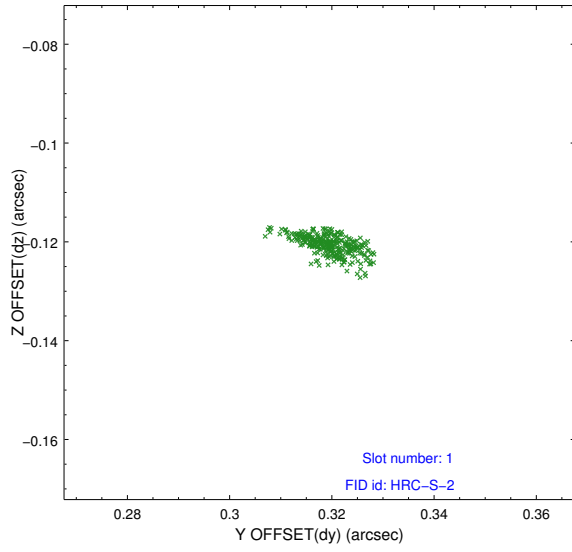


2.5 FID Slots

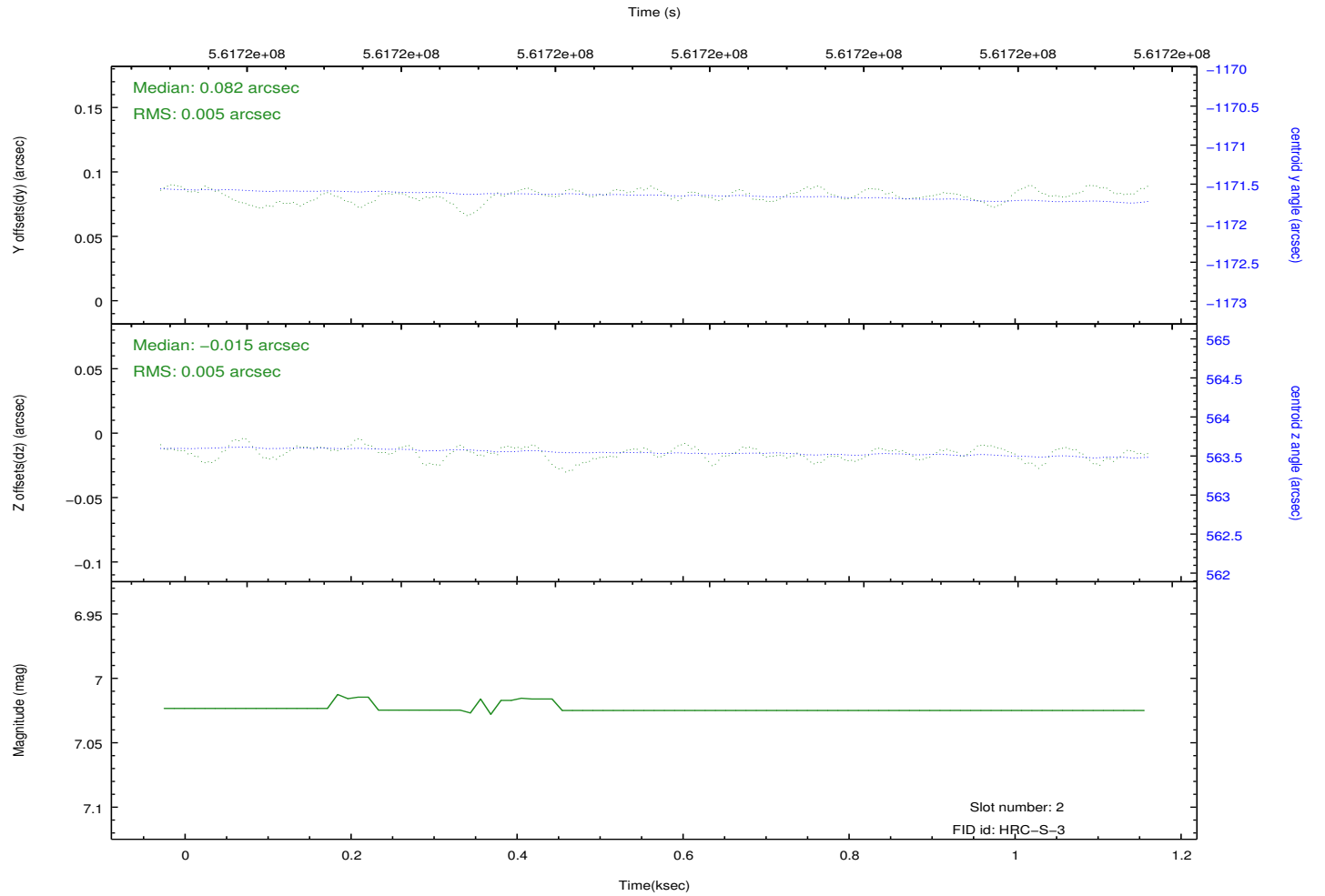
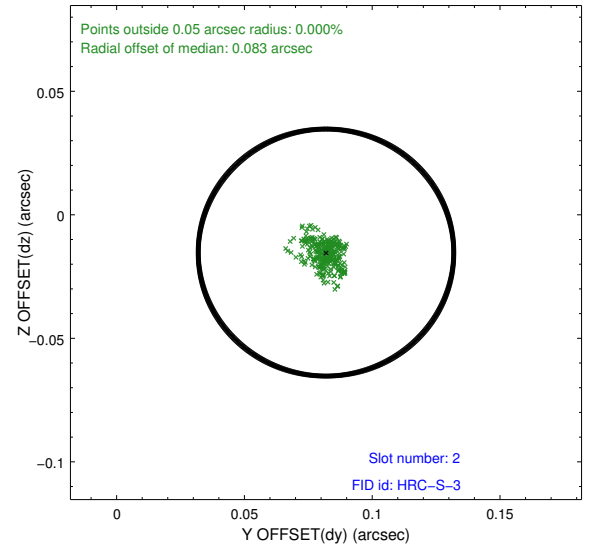
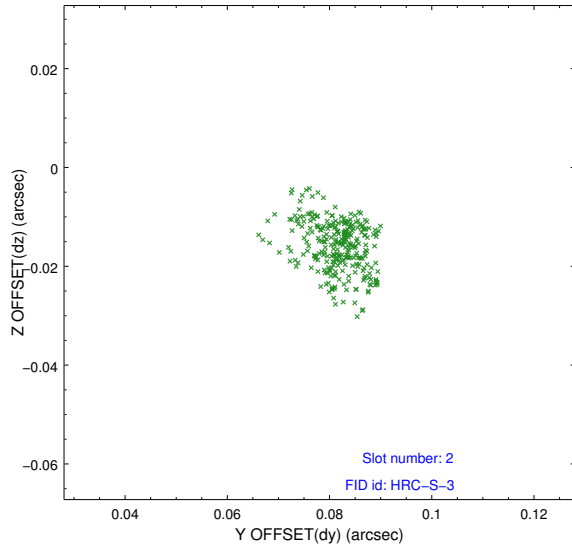
2.5.1 Slot 0



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	1.1615813157558

A.2 Comments