

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17350 - L2 Version 1
Chandra X-Ray Center

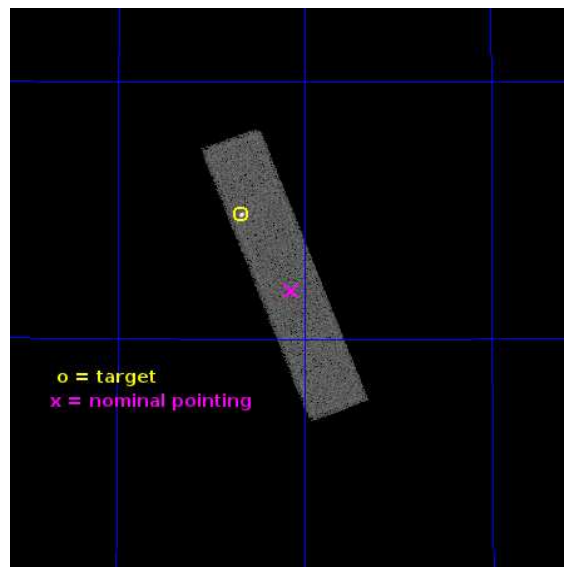
L2 Processing Date : Oct 20 2015

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1 Front

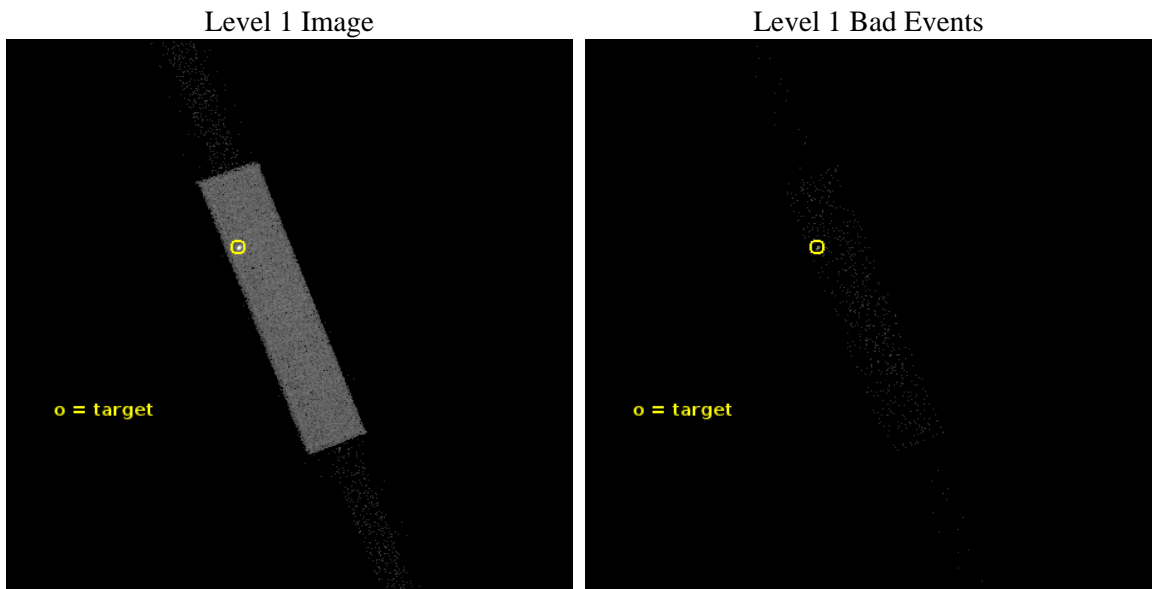
seq_num	291223	Sequence number
obs_id	17350	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.03536575256	Nominal RA [deg]
dec_nom	45.594353176184	Nominal Dec [deg]
roll_nom	248.9000329438	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1161.5813157558	[s]
livetime	1154.0961649804	Ontime multiplied by DTCOR
l2events	57016	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]
caldsver	4.6.10a	 	l1events	82752	Number of level 1 events
date	2015-10-20T22:48:45	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

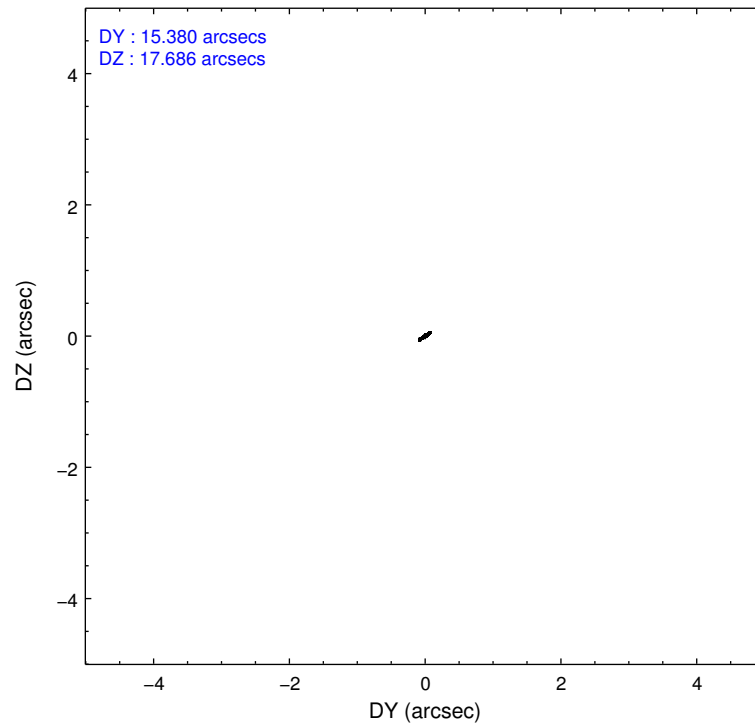
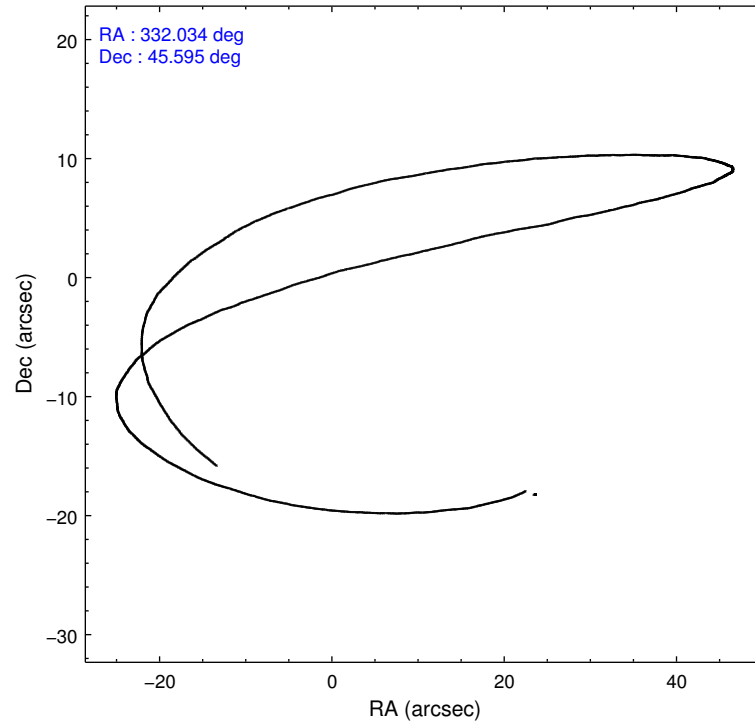
Level 1 Events

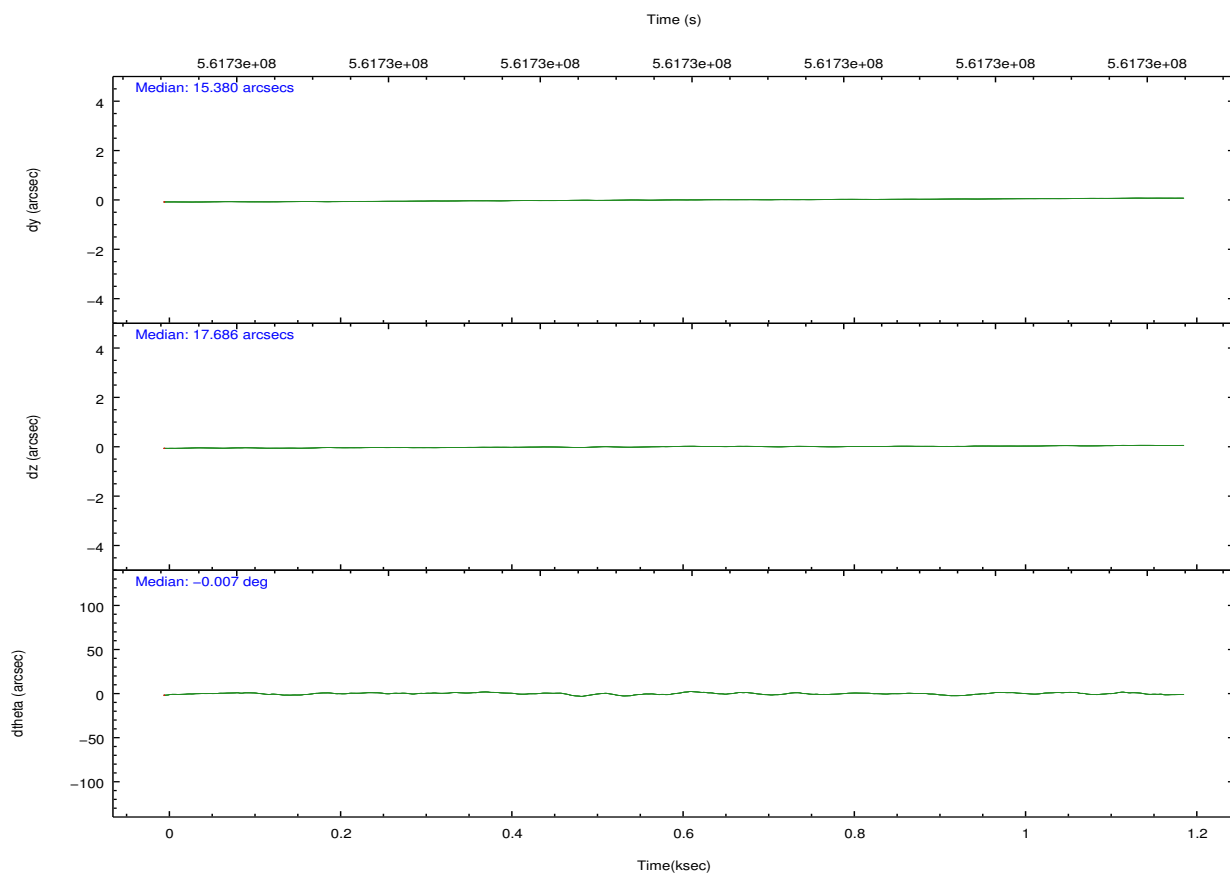
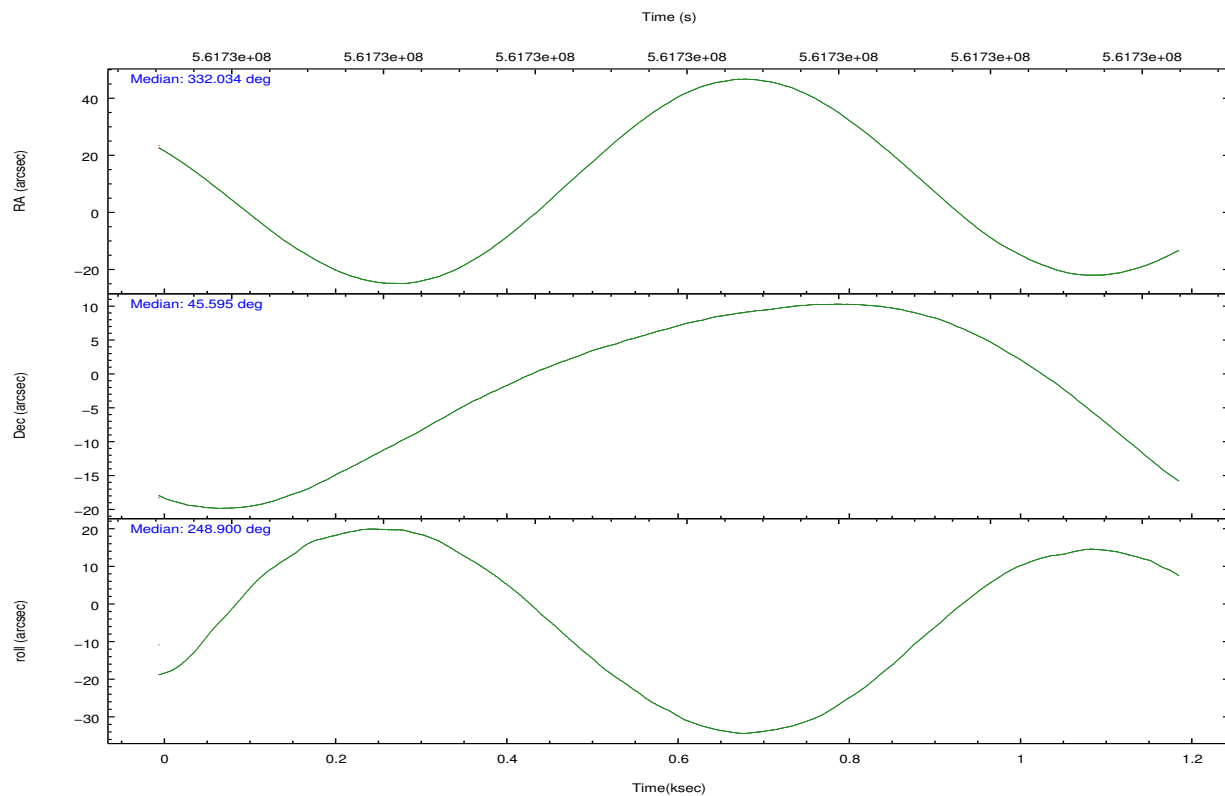
	segment 1	segment 2	segment 3
level 1 events	787	81240	725
rejected events	787	14612	725
rejected %	100%	17%	100%

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	332.028310	332.035365752557			
[deg] Pointing Dec	45.622690	45.59435317618431			
[deg] Pointing Roll	248.837734	248.9000329438023			
[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)	561727353.184000	561726976.7348599			
Observation start date	2015-10-20T11:21:25	2015-10-20T11:16:16			
[s] Observation end time (MET)	561728353.184000	561729177.92248			
Observation end date	2015-10-20T11:38:05	2015-10-20T11:52:57			

2.3 Aspect



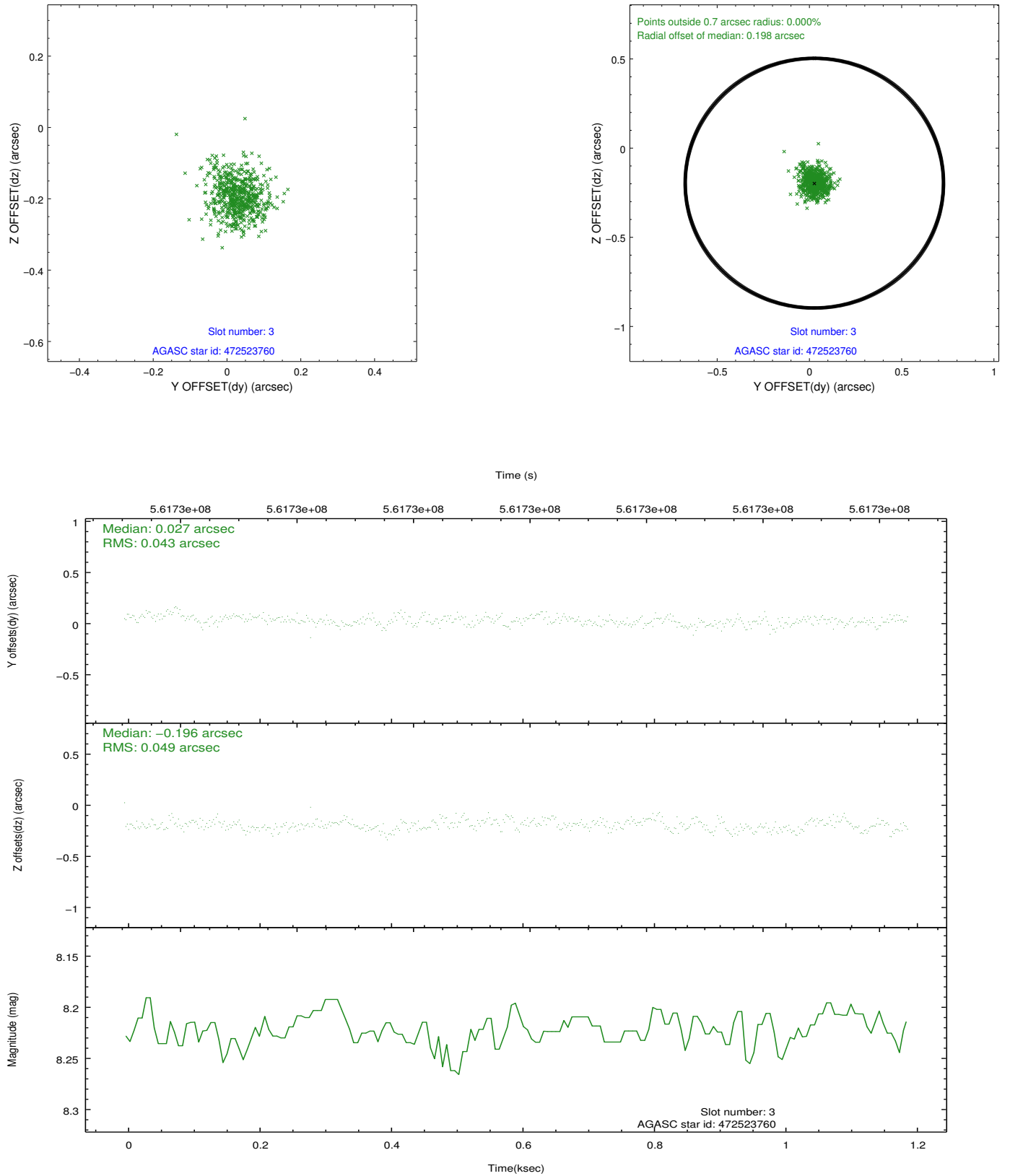


Slot Statistics

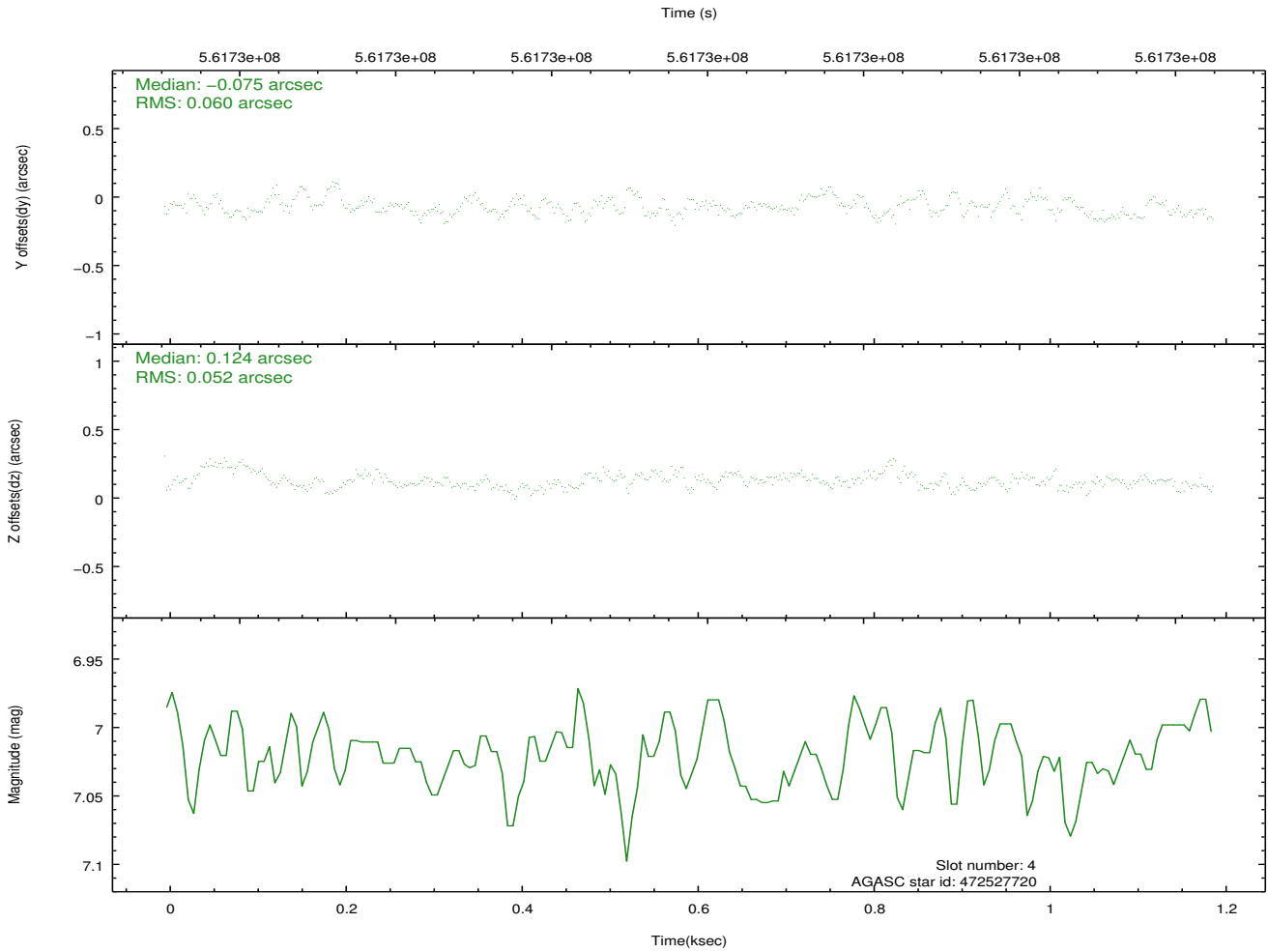
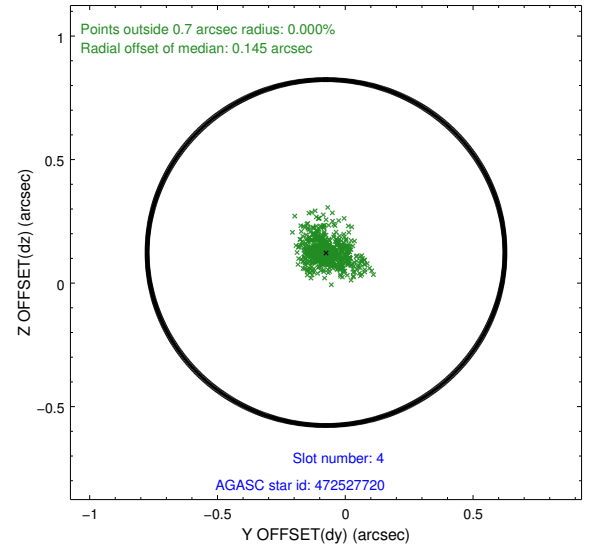
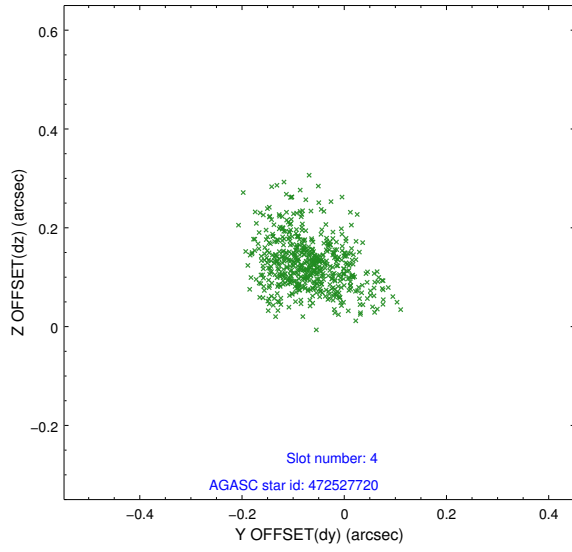
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.03	291	-0.055	-0.220	0.008	0.011	0.000000	0.000000	-1169.87	-466.74
1	FID		HRC-S-3	7.03	291	0.077	-0.056	0.009	0.017	0.000000	0.000000	-1176.54	561.34
2	FID		HRC-S-4	6.97	291	0.364	-0.021	0.006	0.009	0.000000	0.000000	1224.68	567.61
3	GUIDE	used	472523760	8.22	581	0.027	-0.196	0.069	0.117	331.645363	45.403260	1083.30	-615.34
4	GUIDE	used	472527720	7.02	582	-0.075	0.124	0.084	0.144	331.460205	45.112509	2230.03	-682.40
5	GUIDE	used	472533912	9.12	582	0.017	-0.005	0.131	0.210	331.791136	46.368695	-2289.66	-1517.30
6	GUIDE	used	472535576	7.84	582	-0.016	0.059	0.080	0.127	331.438373	46.291802	-1726.47	-2239.45
7	GUIDE	used	472536328	8.10	581	0.046	0.022	0.100	0.168	331.496671	46.454831	-2325.59	-2313.42

2.4 Star Slots

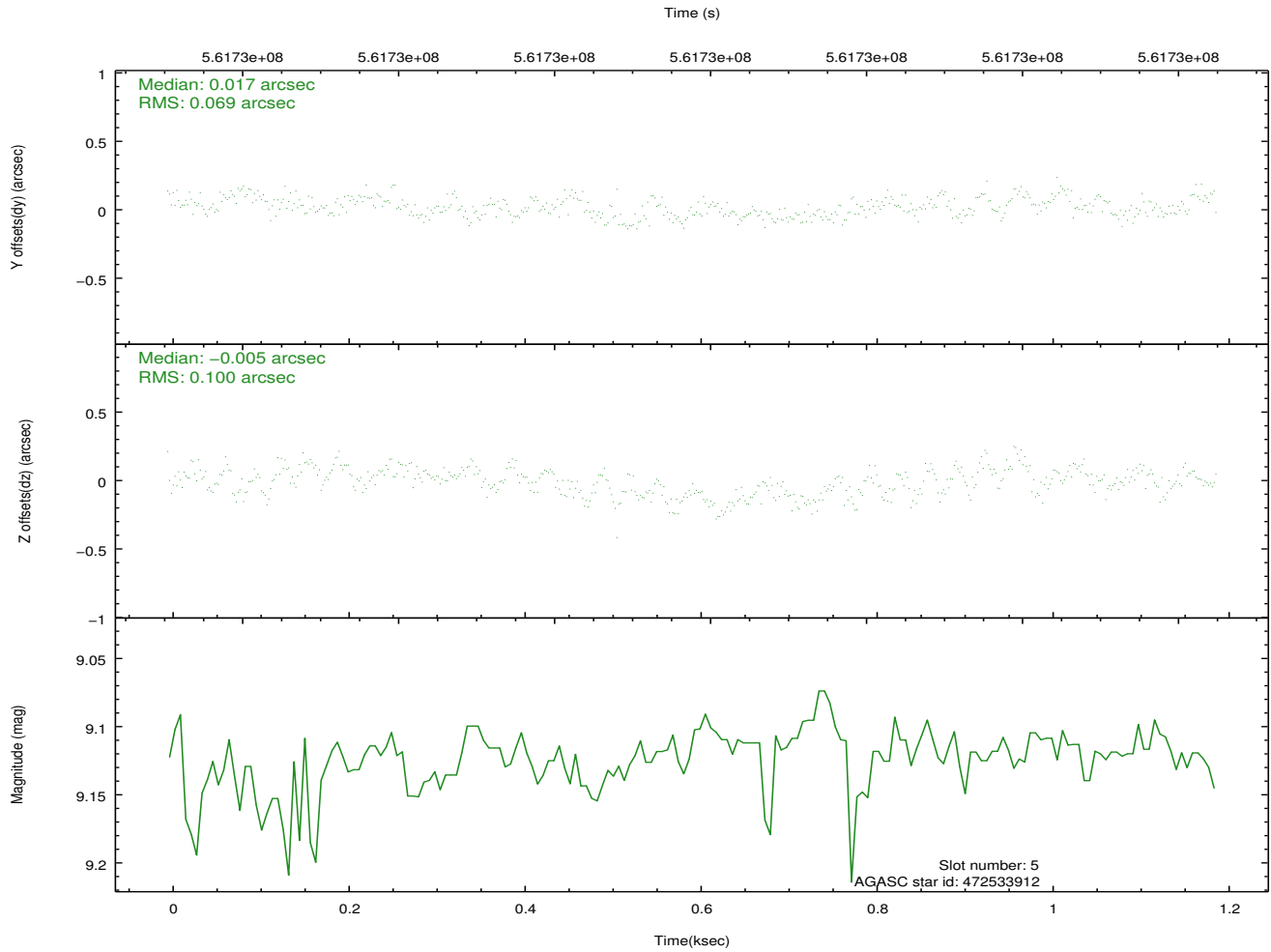
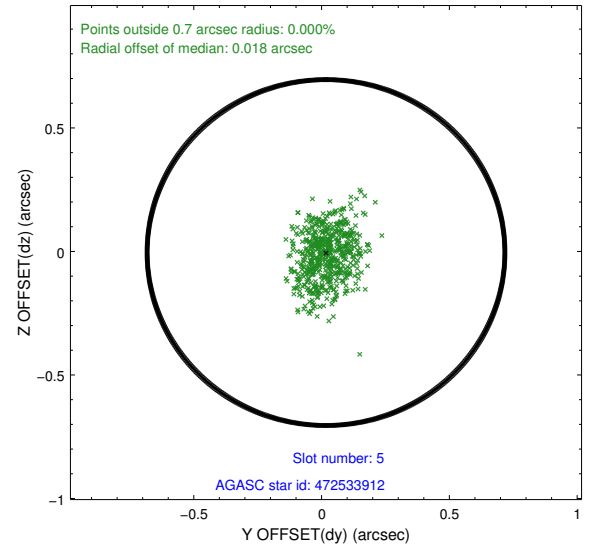
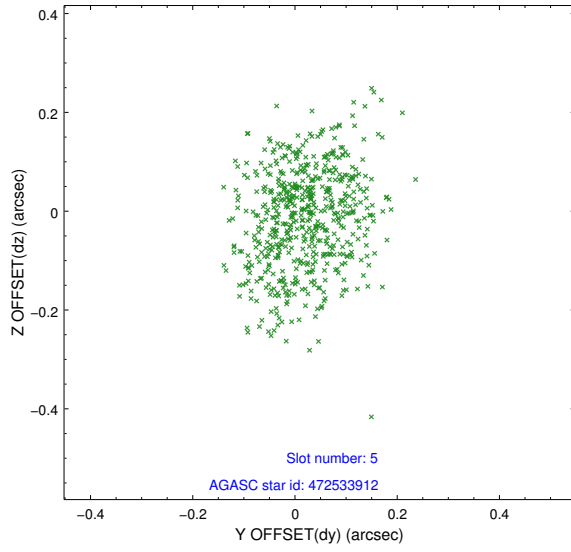
2.4.1 Slot 3



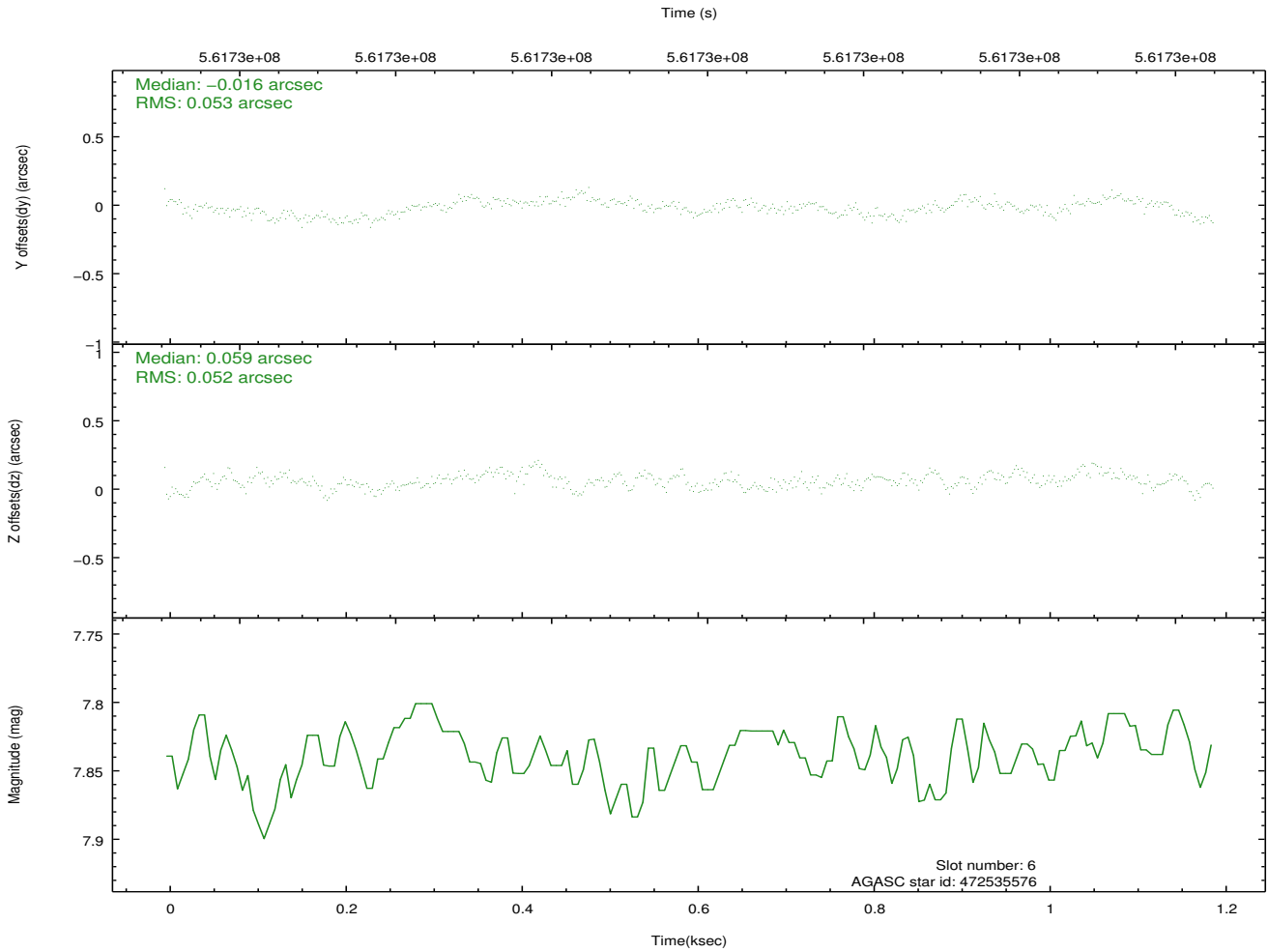
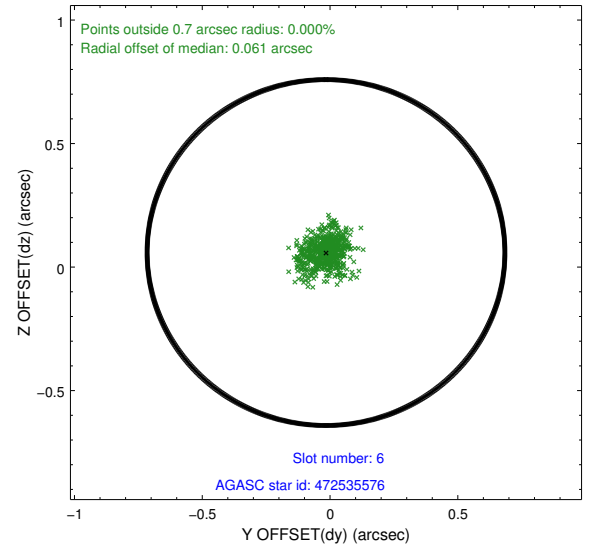
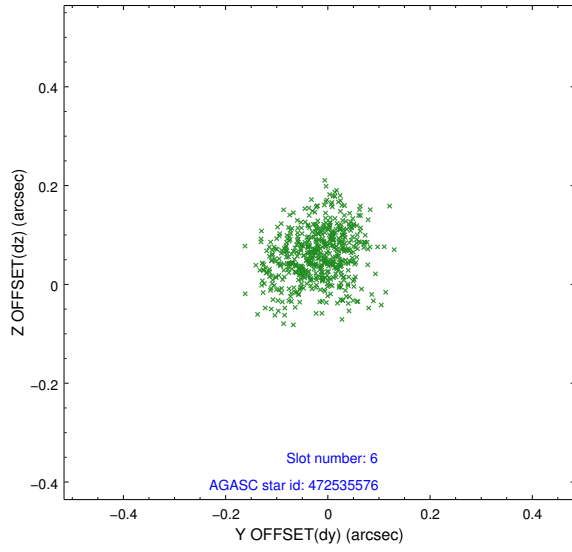
2.4.2 Slot 4



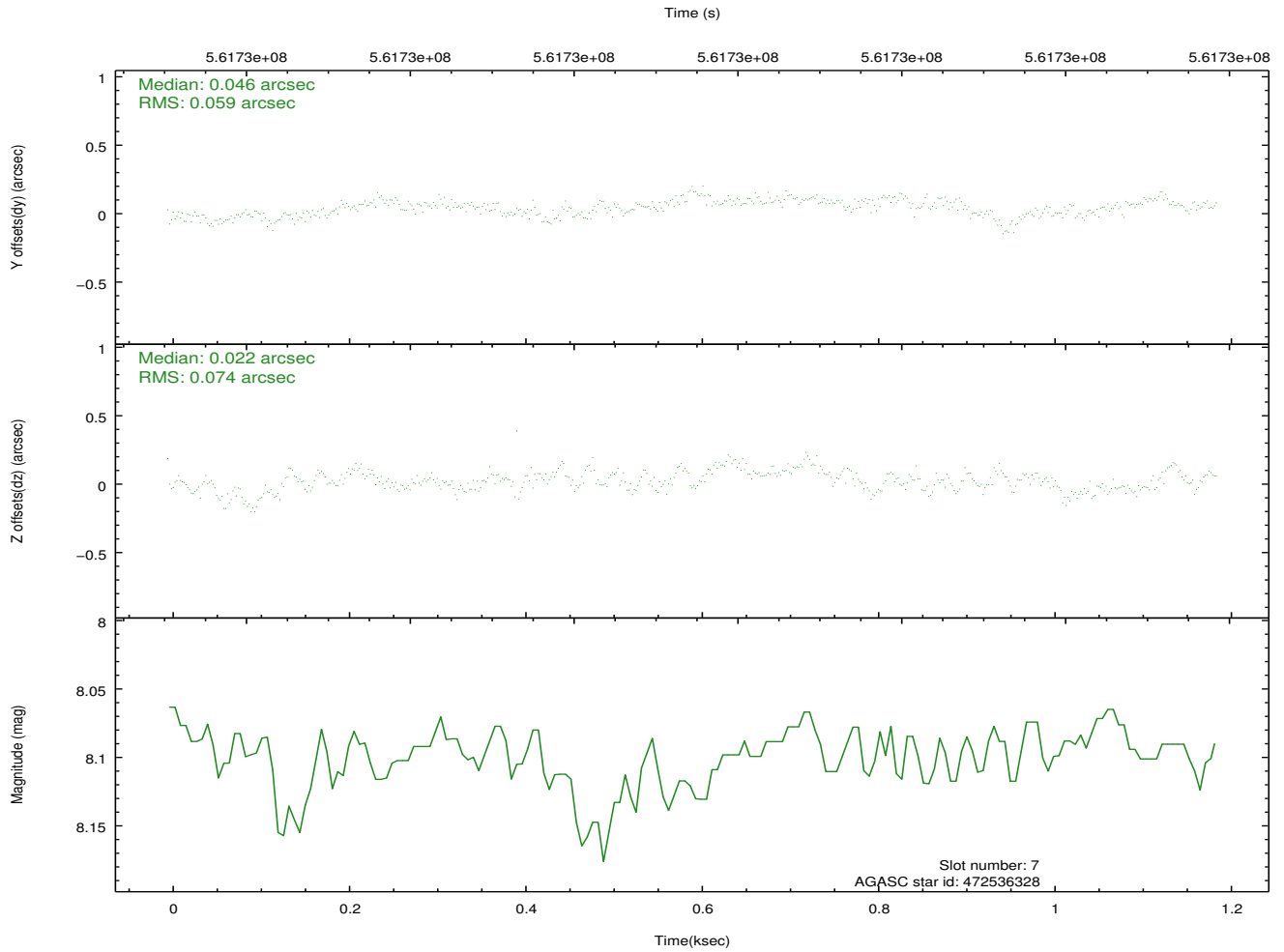
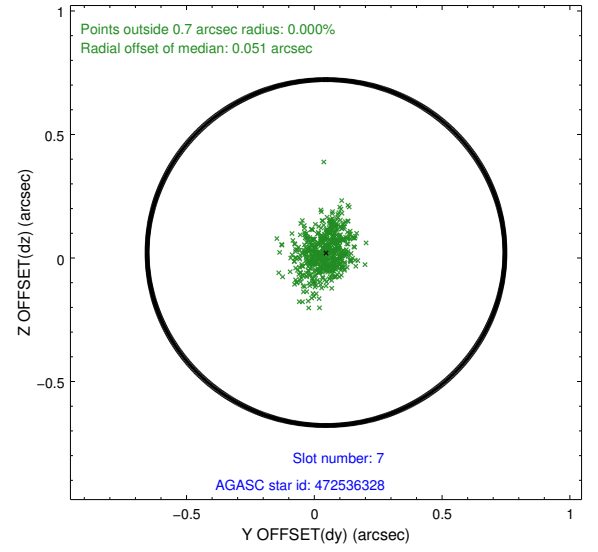
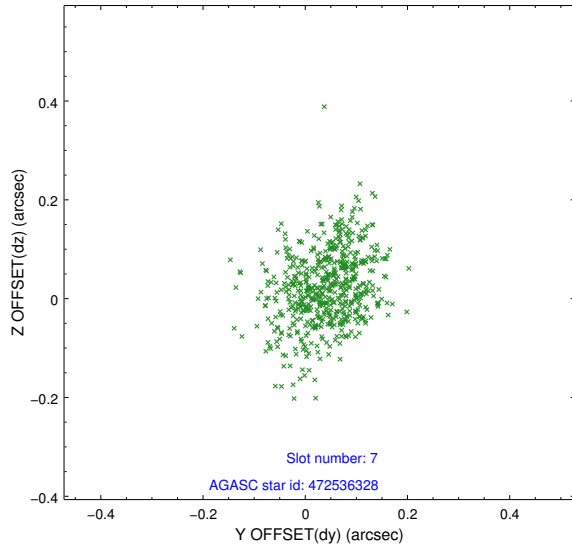
2.4.3 Slot 5



2.4.4 Slot 6

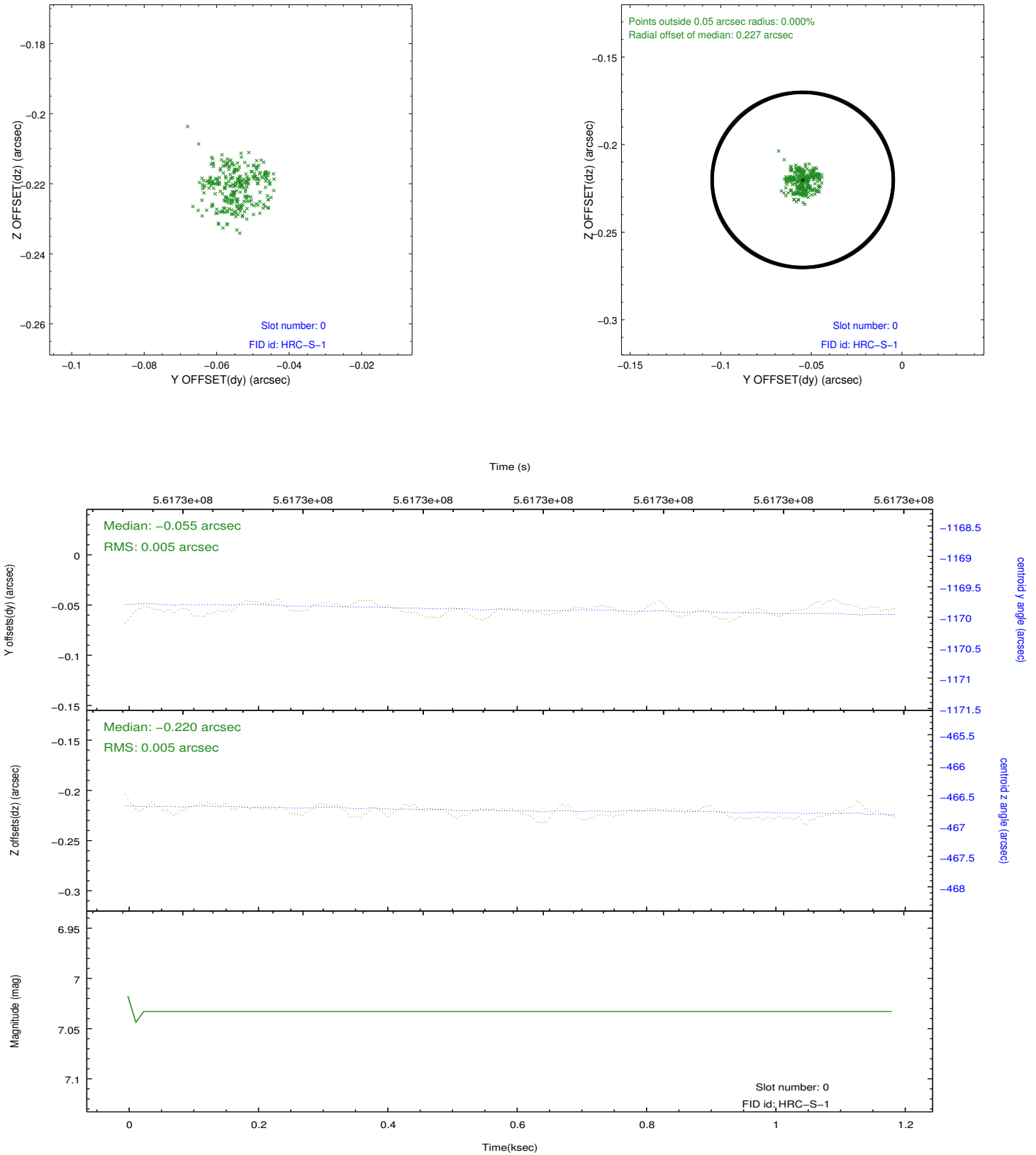


2.4.5 Slot 7

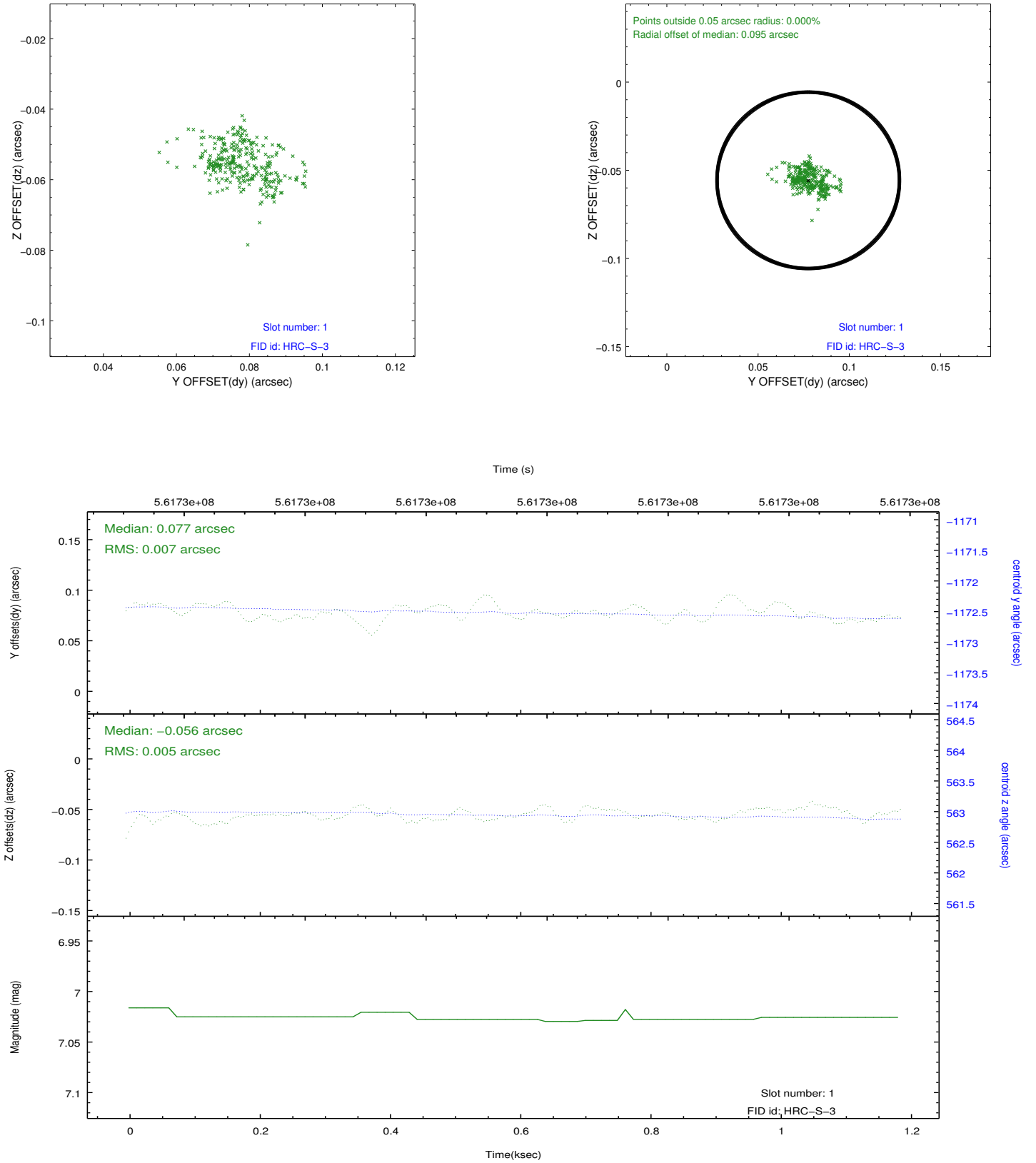


2.5 FID Slots

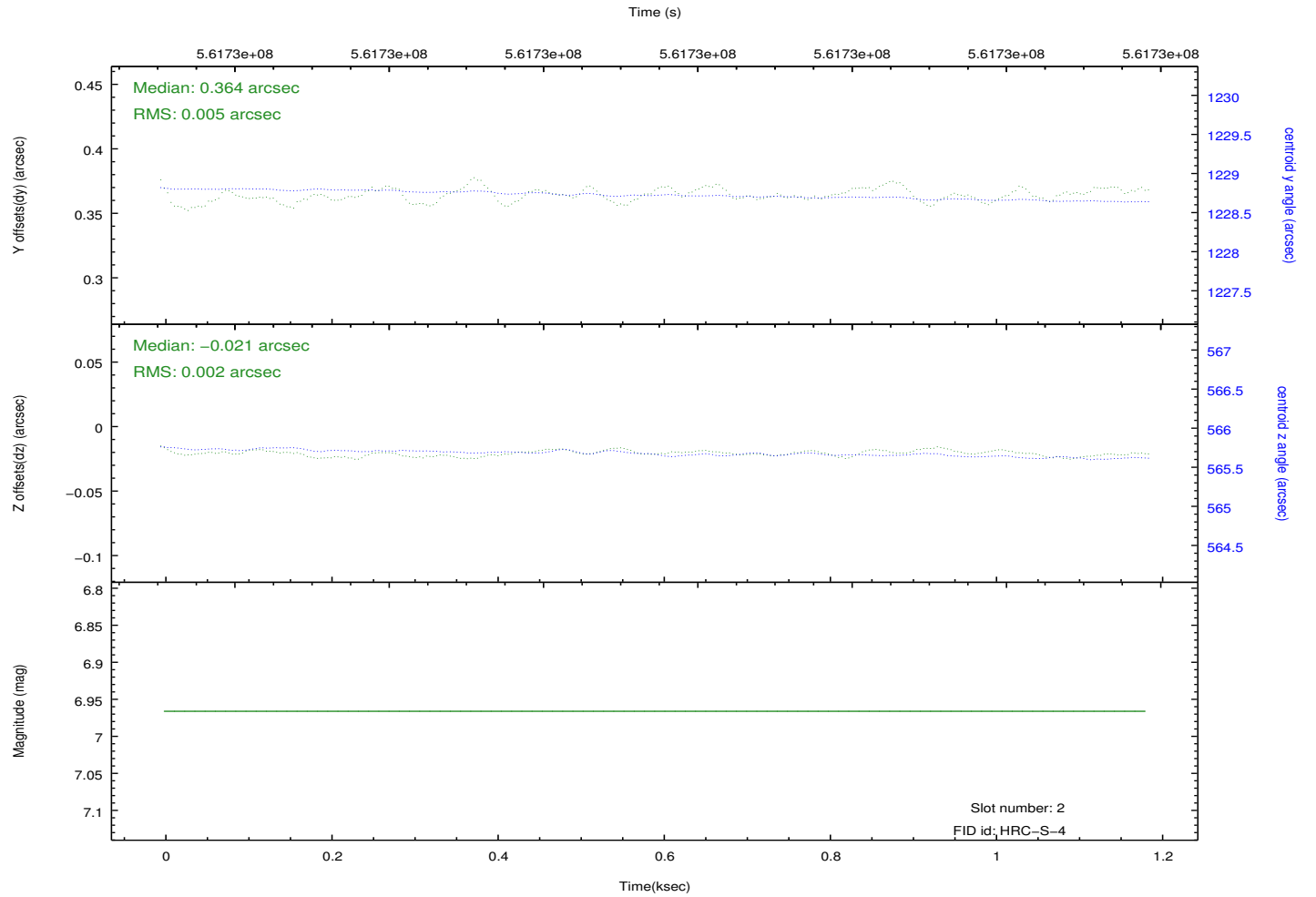
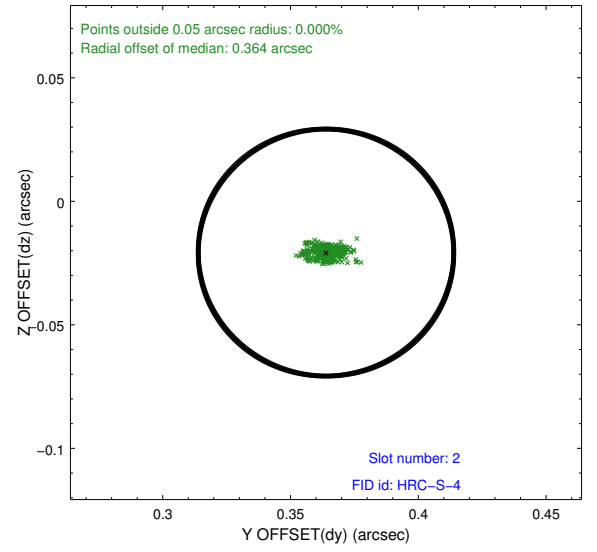
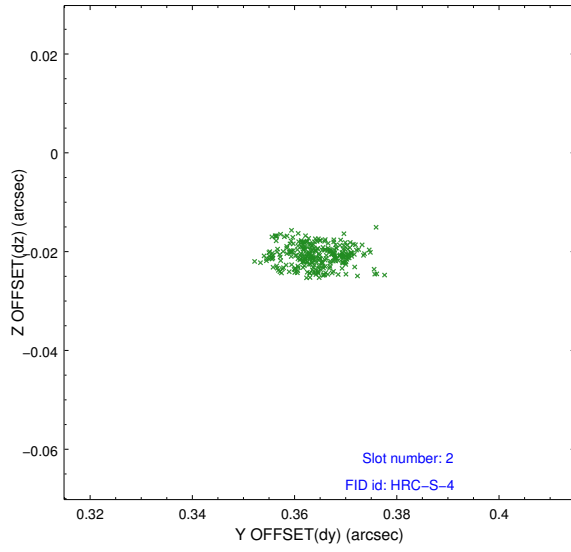
2.5.1 Slot 0



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