

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10601 - L2 Version 3
Chandra X-Ray Center

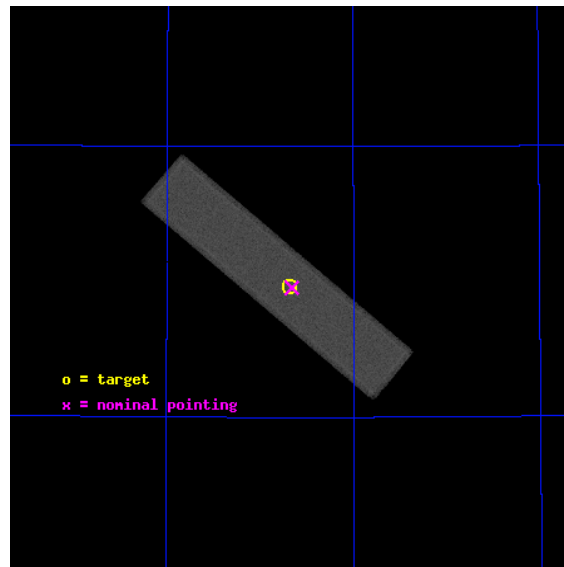
L2 Processing Date : Aug 13 2012

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1 Front

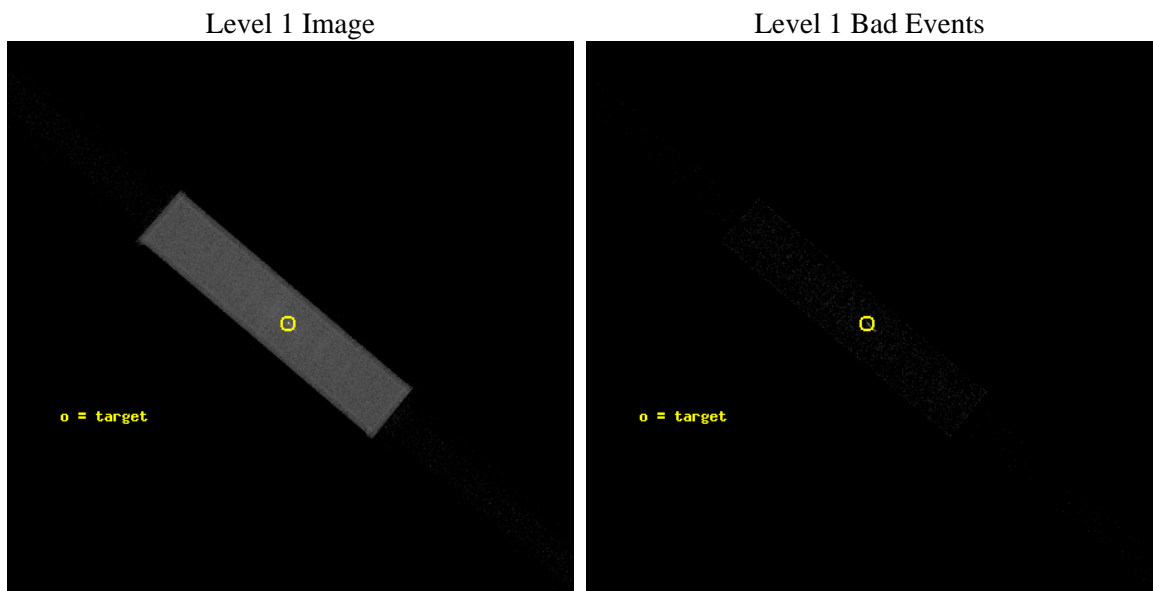
seq_num	290837	Sequence number
obs_id	10601	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16492831727	Nominal RA [deg]
dec_nom	45.7391563318	Nominal Dec [deg]
roll_nom	220.03666907764	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3182.8814099431	[s]
livetime	3151.9553392245	Ontime multiplied by DTCOR
l2events	223510	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3182.8814099431	[s]
caldsver	4.5.1.1	 	l1events	349463	Number of level 1 events
date	2012-08-13T15:16:49	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

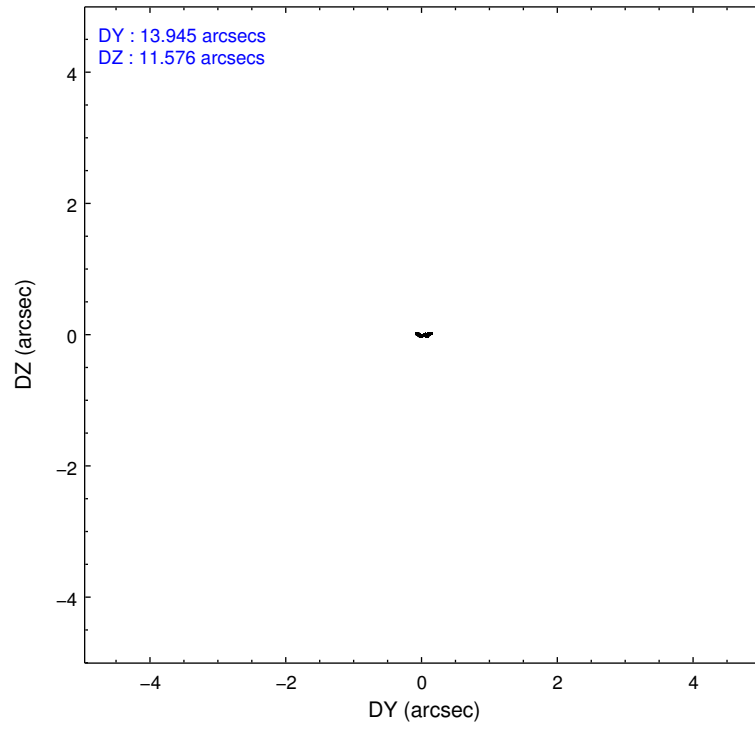
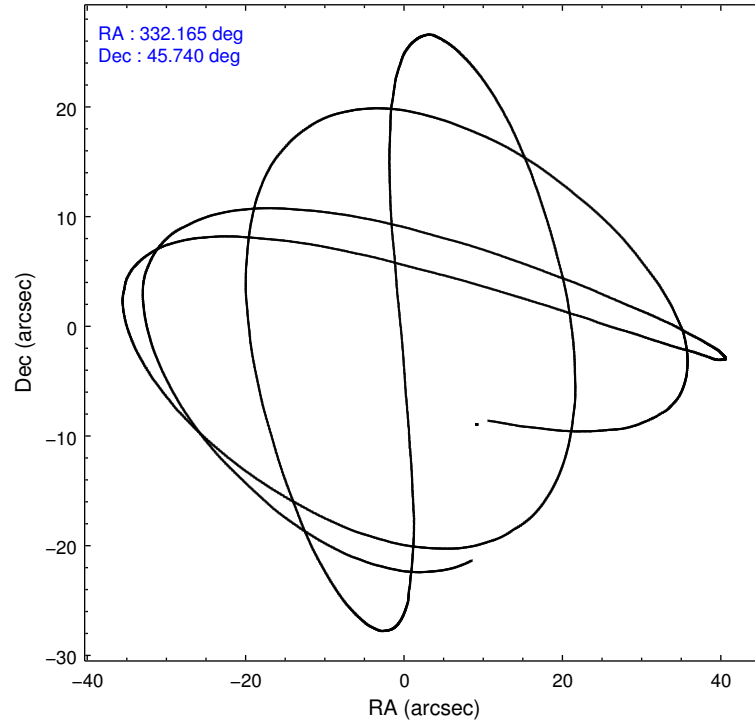
	segment 1	segment 2	segment 3
level 1 events	1121	347178	1164
rejected events	1121	81473	1164
rejected %	100%	23%	100%

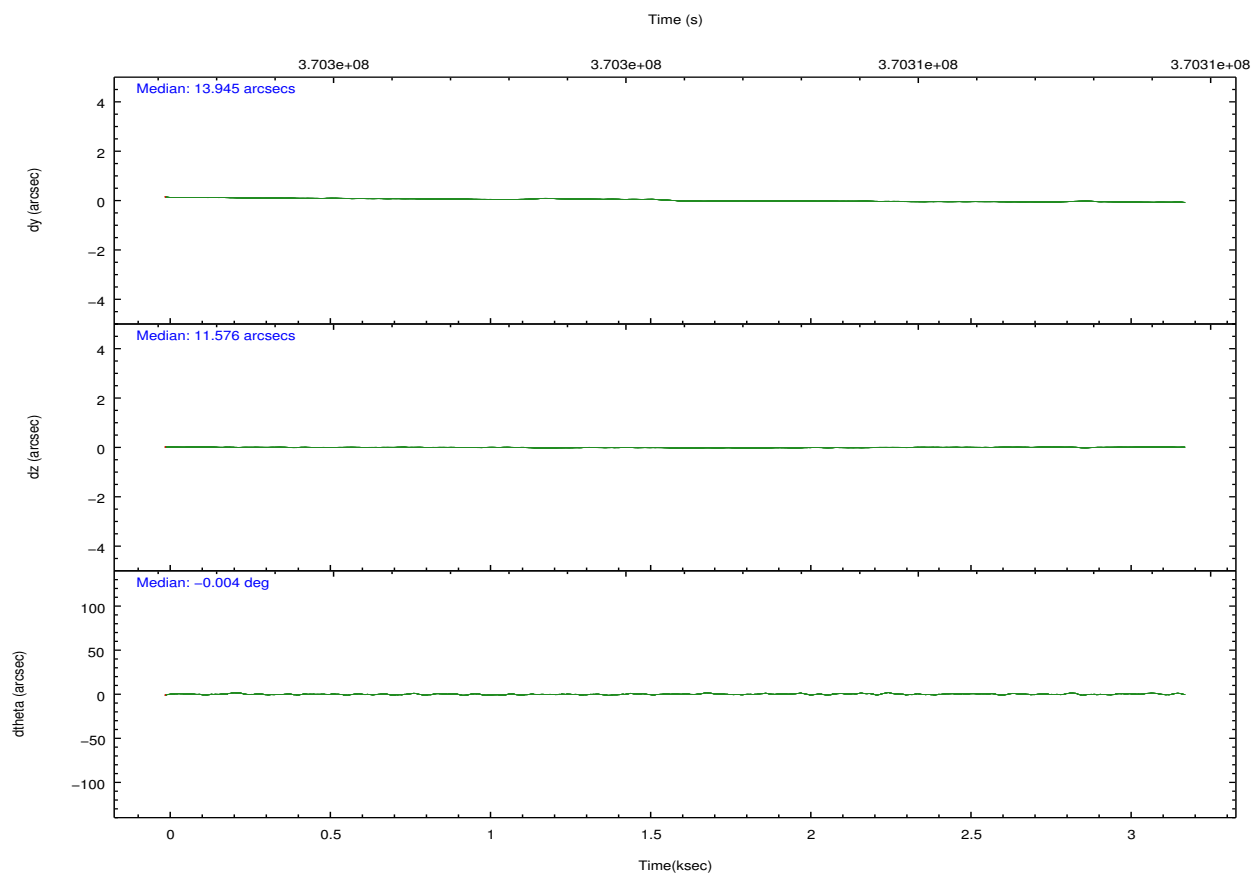
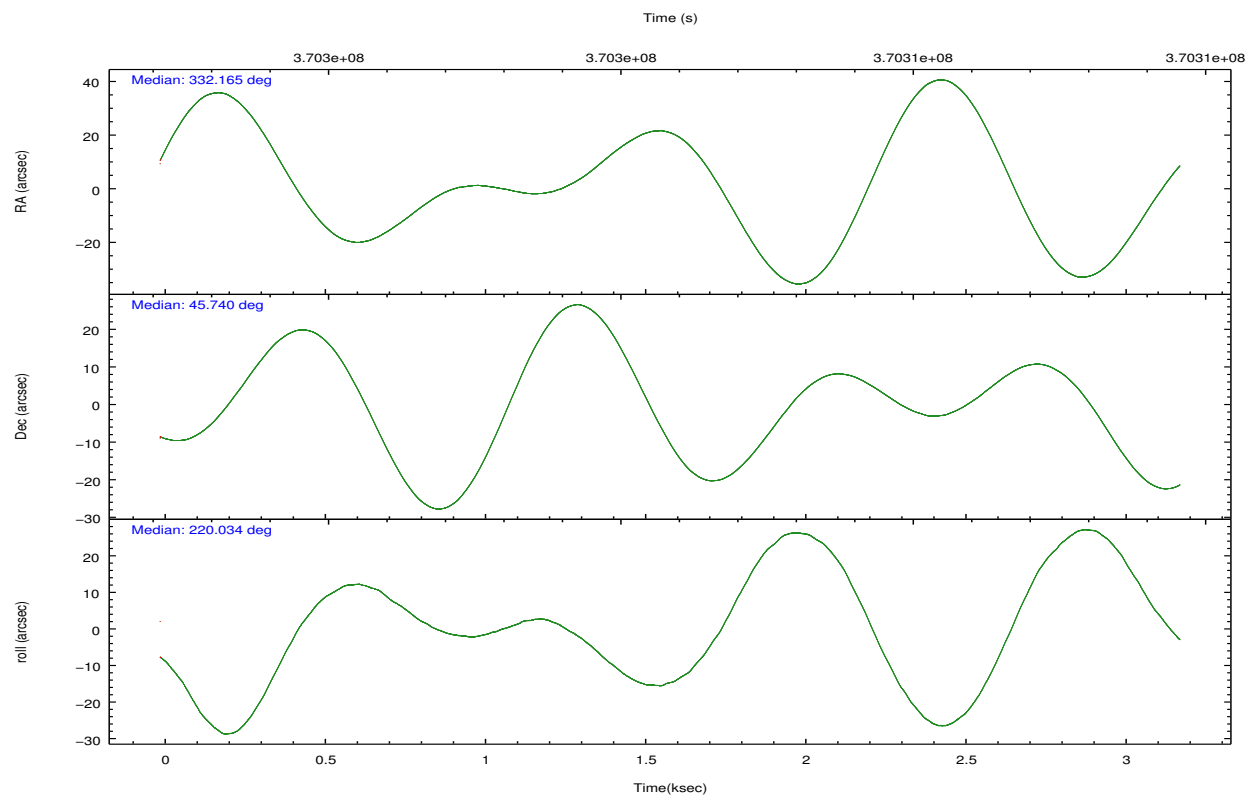
2.2 Compared Parameters

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	332.176815	332.1649283172651
[deg] Pointing Dec	45.766739	45.73915633180019
[deg] Pointing Roll	219.960814	220.0366690776395
[s] Window start time (MET)	365472066.184000	365472066.184000
[s] Window stop time (MET)	373334466.184000	373334466.184000
[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)	370303753.184000	370302674.62634
Observation start date	2009-09-25T22:08:07	2009-09-25T21:51:14
[s] Observation end time (MET)	370306753.184000	370306886.86406
Observation end date	2009-09-25T22:58:07	2009-09-25T23:01:26

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

2.3 Aspect



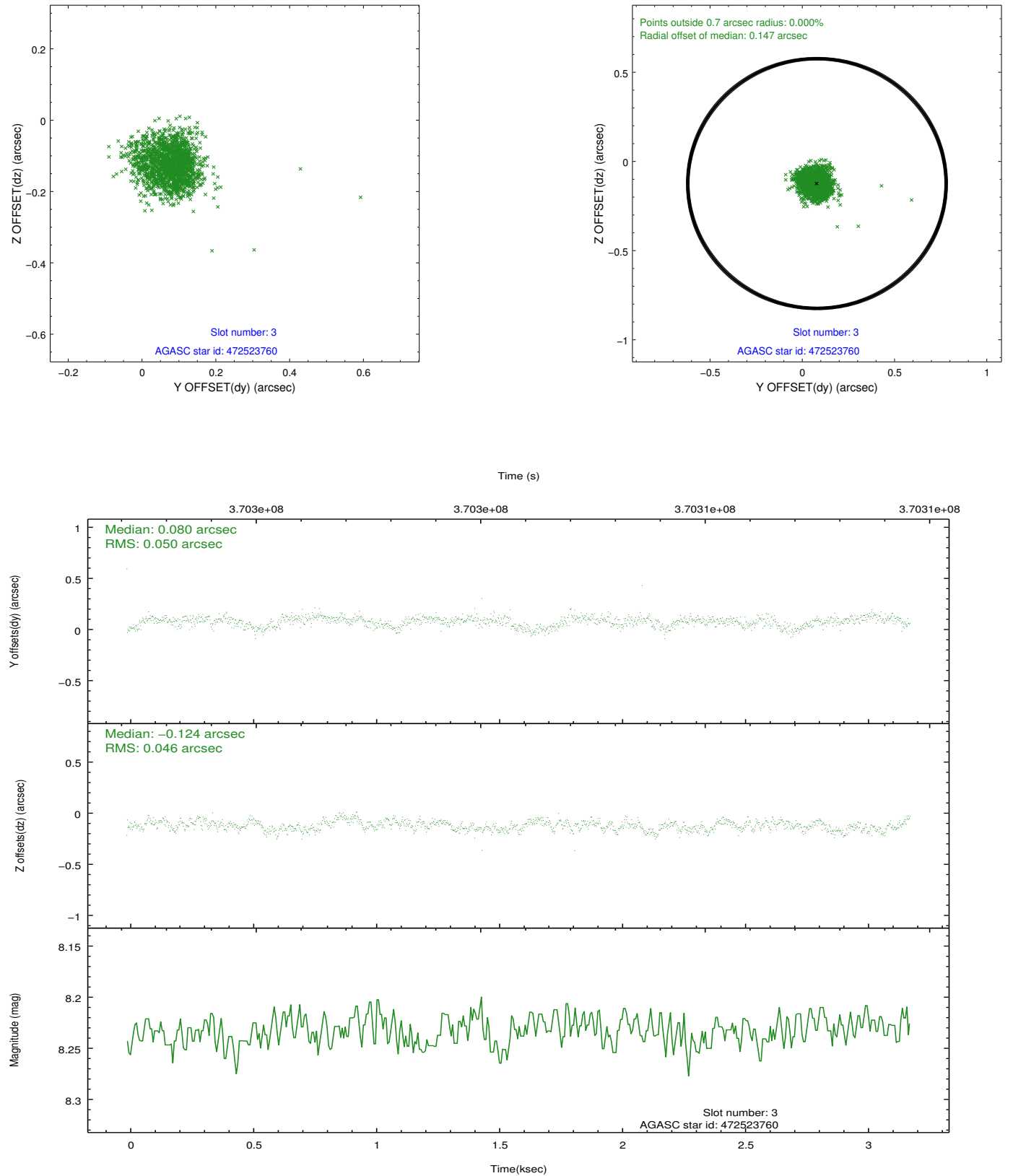


Slot Statistics

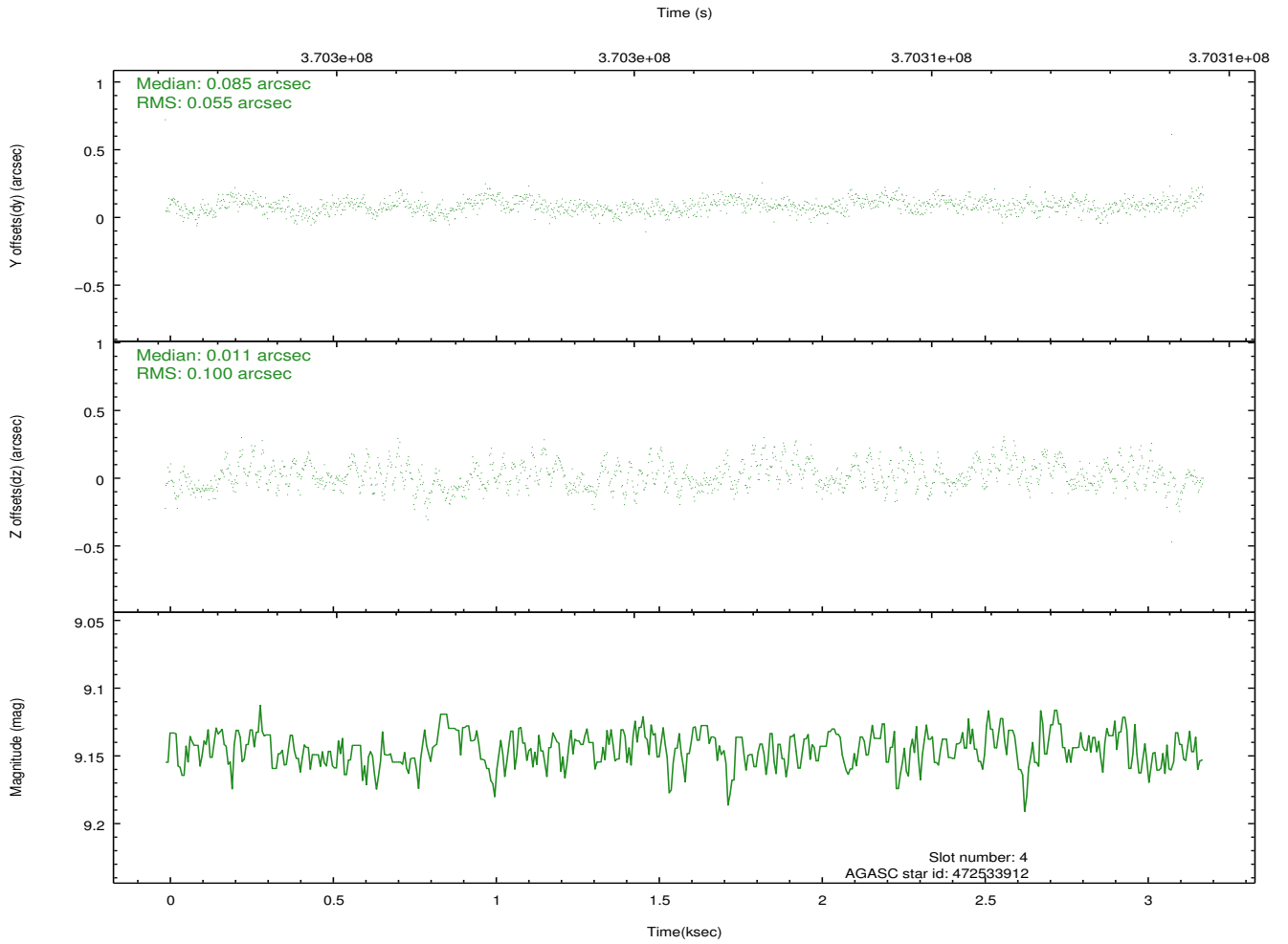
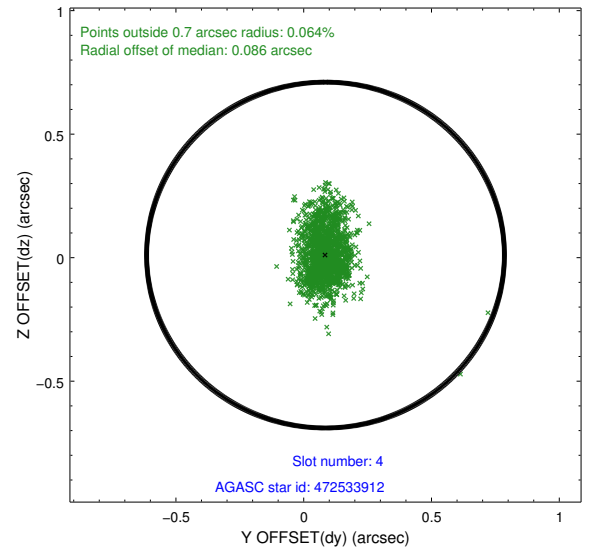
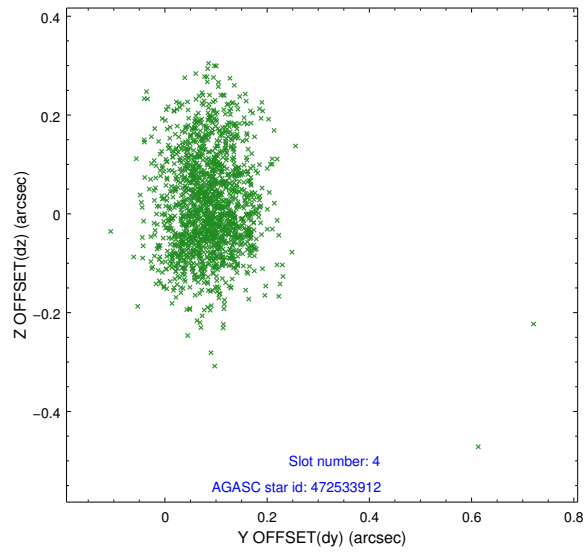
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	777	0.071	-0.142	0.006	0.011	0.000000	0.000000	-1168.34	-460.32
1	FID	HRC-S-2	6.96	777	0.219	-0.113	0.004	0.008	0.000000	0.000000	1229.96	-453.49
2	FID	HRC-S-3	6.98	777	0.099	-0.047	0.007	0.011	0.000000	0.000000	-1169.47	568.71
3	GUIDE	472523760	8.23	1553	0.080	-0.124	0.070	0.112	331.645363	45.403260	1867.84	136.32
4	GUIDE	472533912	9.14	1552	0.085	0.011	0.115	0.206	331.791136	46.368695	-657.09	-2278.47
5	GUIDE	472655152	9.43	1554	0.044	-0.139	0.109	0.178	332.504239	45.862991	-852.70	258.34
6	GUIDE	472665256	9.02	1553	0.106	0.170	0.089	0.151	332.808125	46.195041	-2200.07	-176.44
7	GUIDE	472525528	6.66	1553	-0.307	0.074	0.075	0.124	331.551102	45.248694	2408.11	405.84

2.4 Star Slots

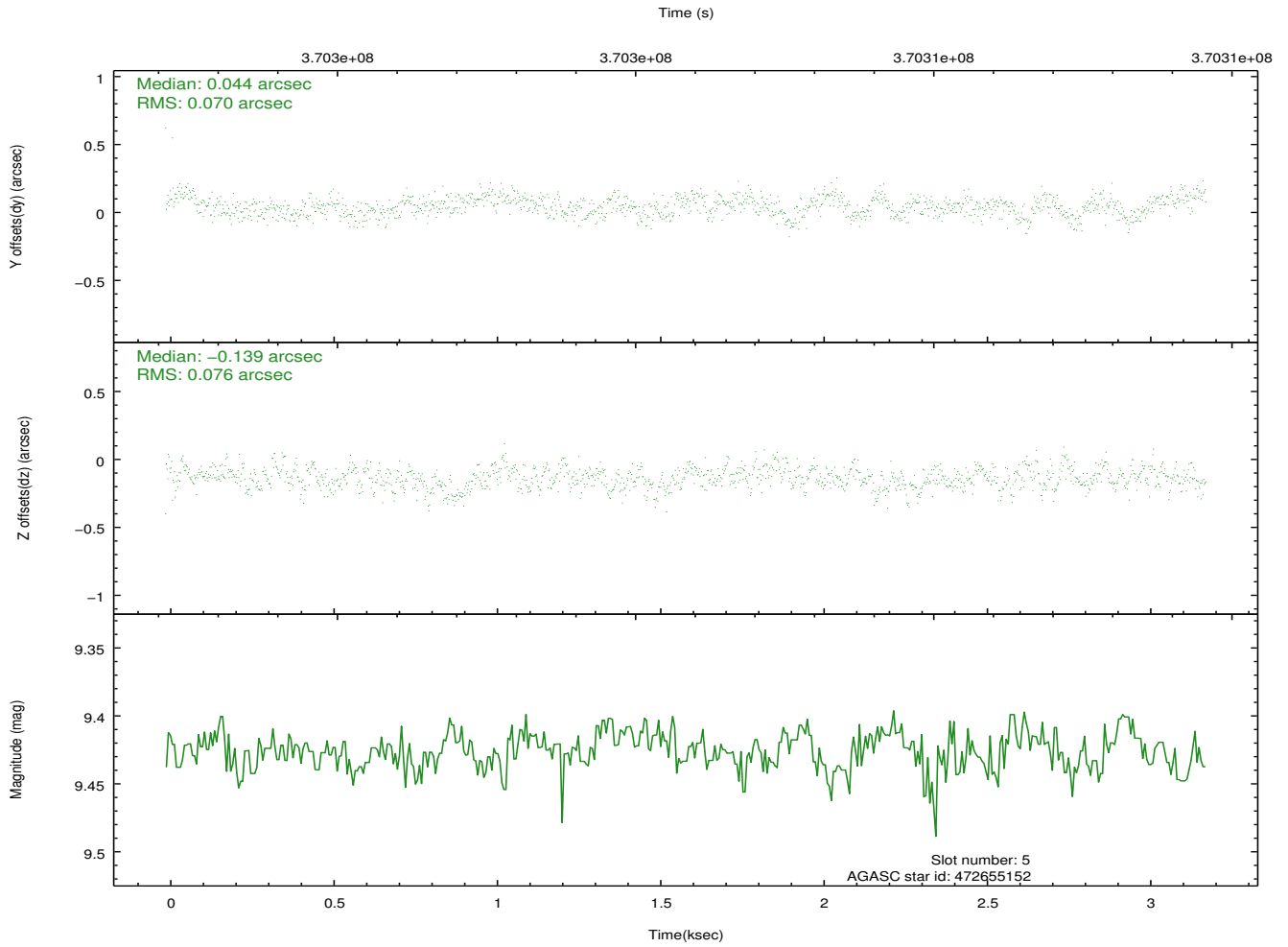
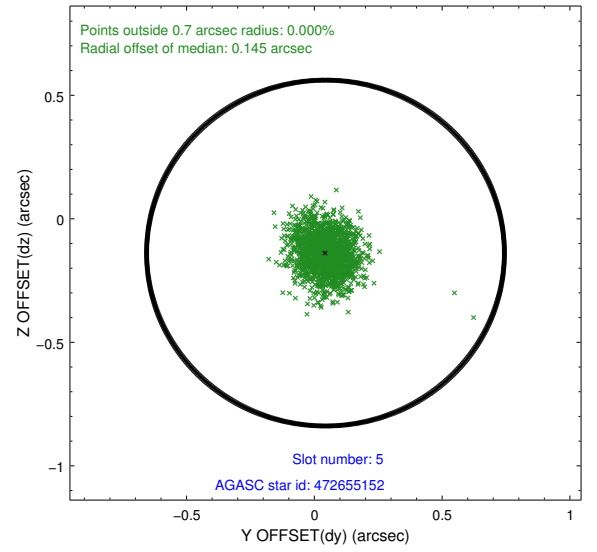
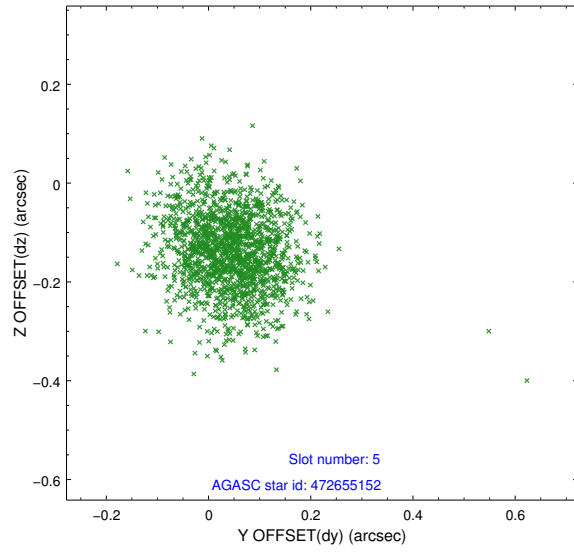
2.4.1 Slot 3



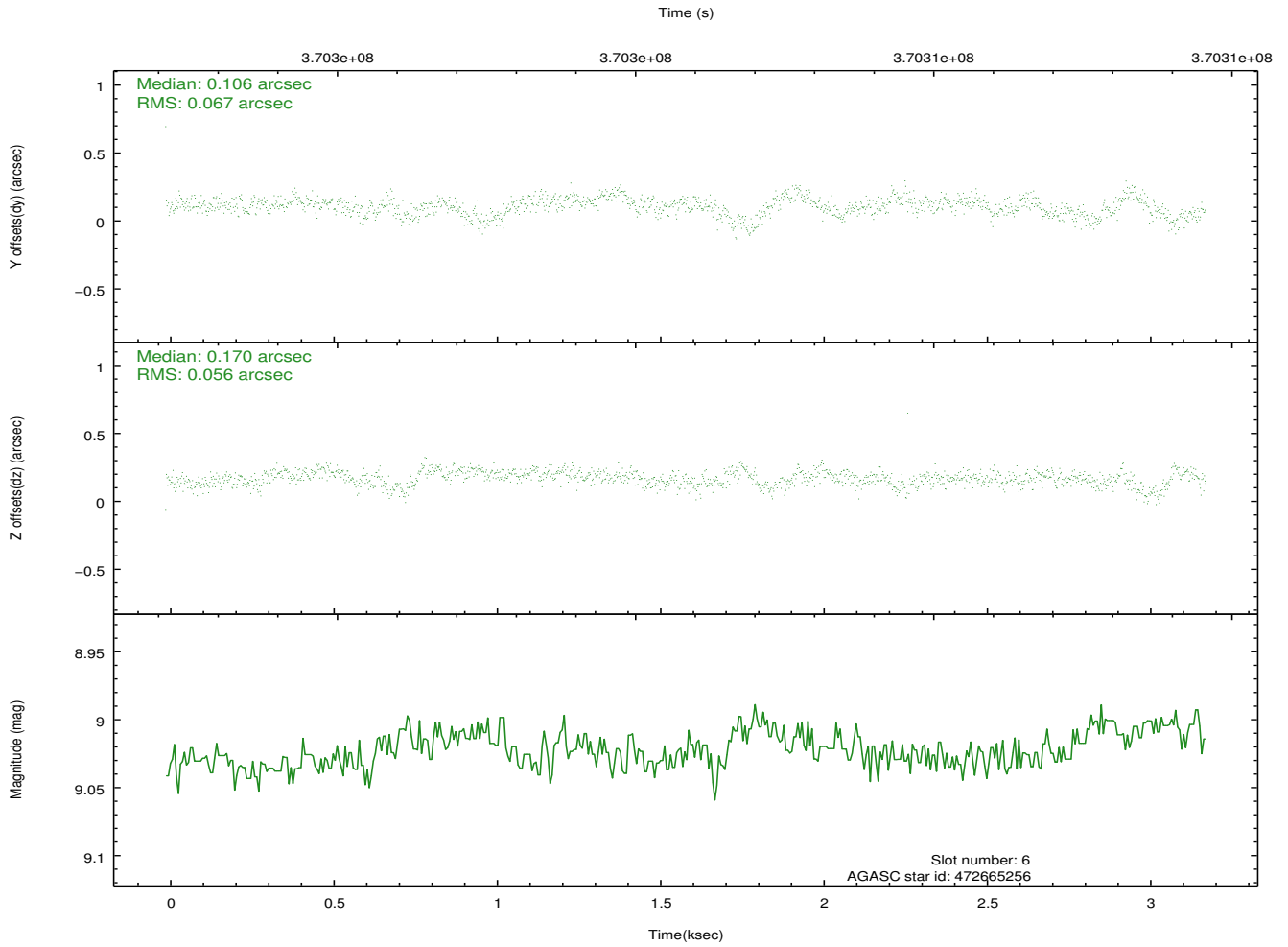
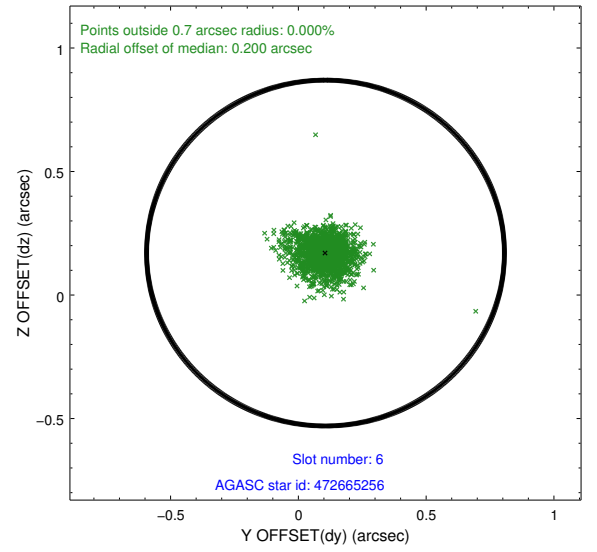
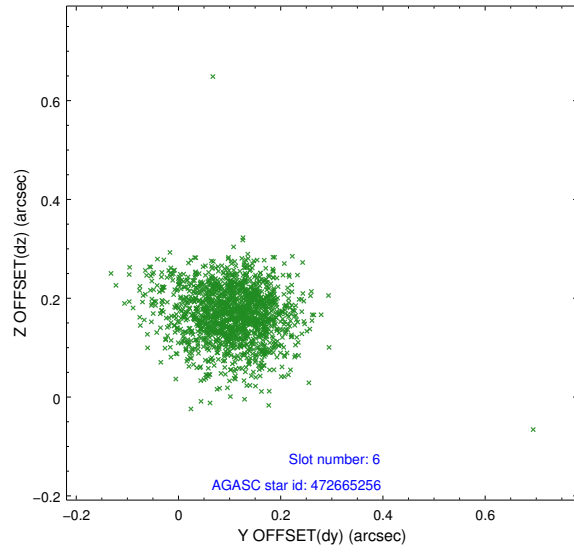
2.4.2 Slot 4



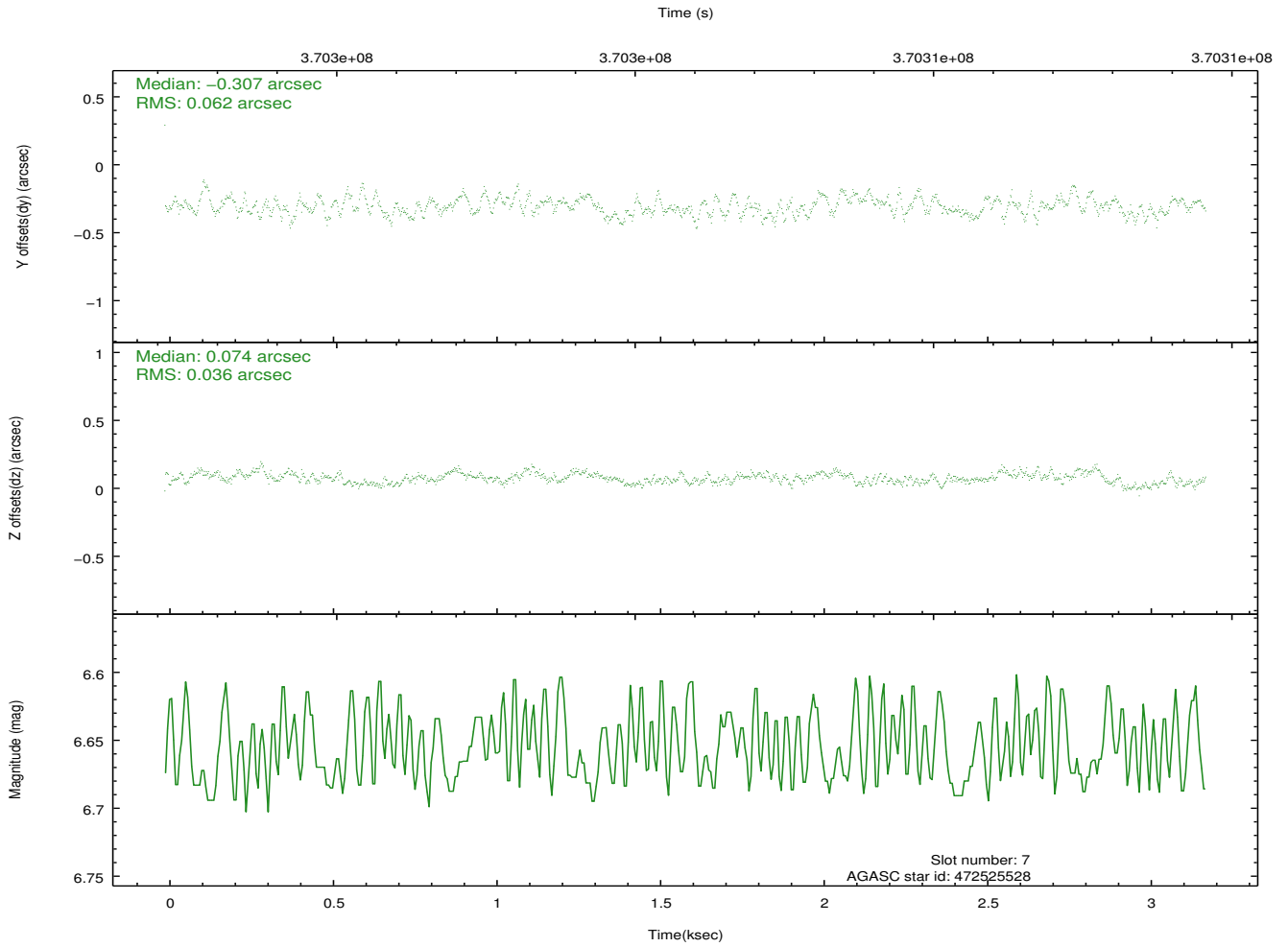
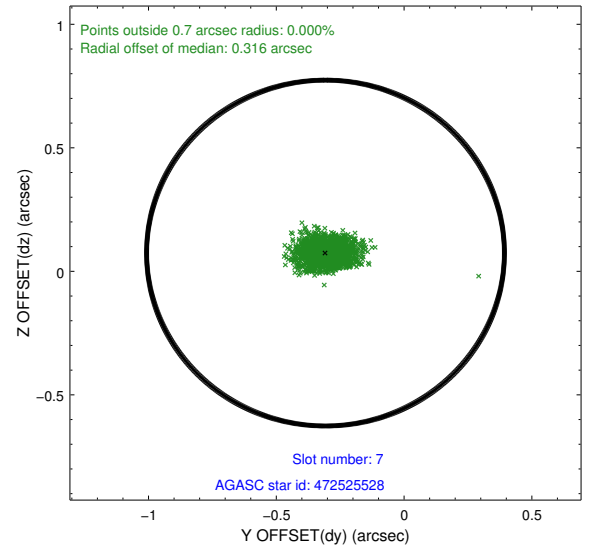
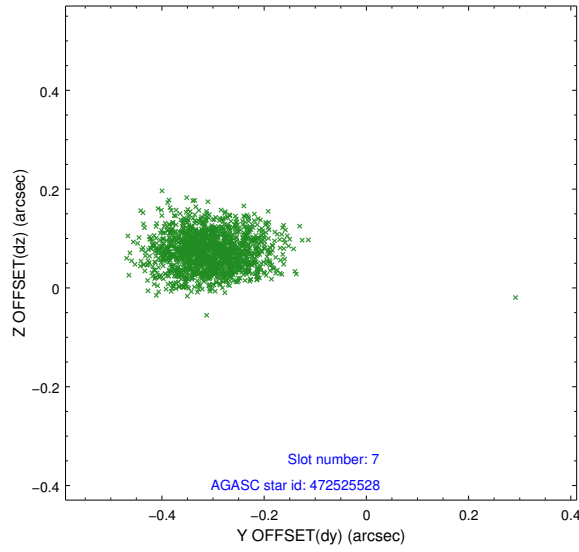
2.4.3 Slot 5



2.4.4 Slot 6

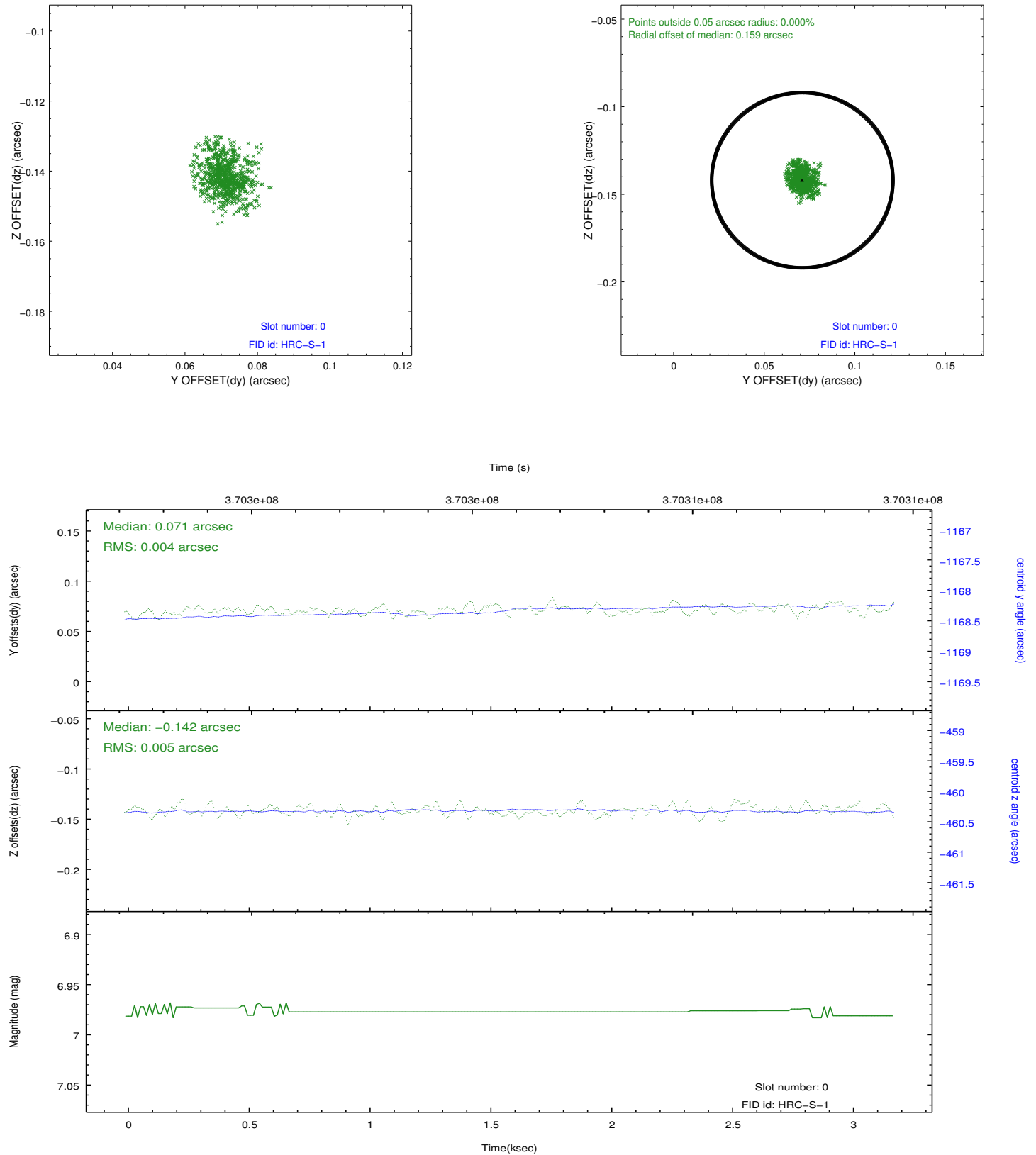


2.4.5 Slot 7

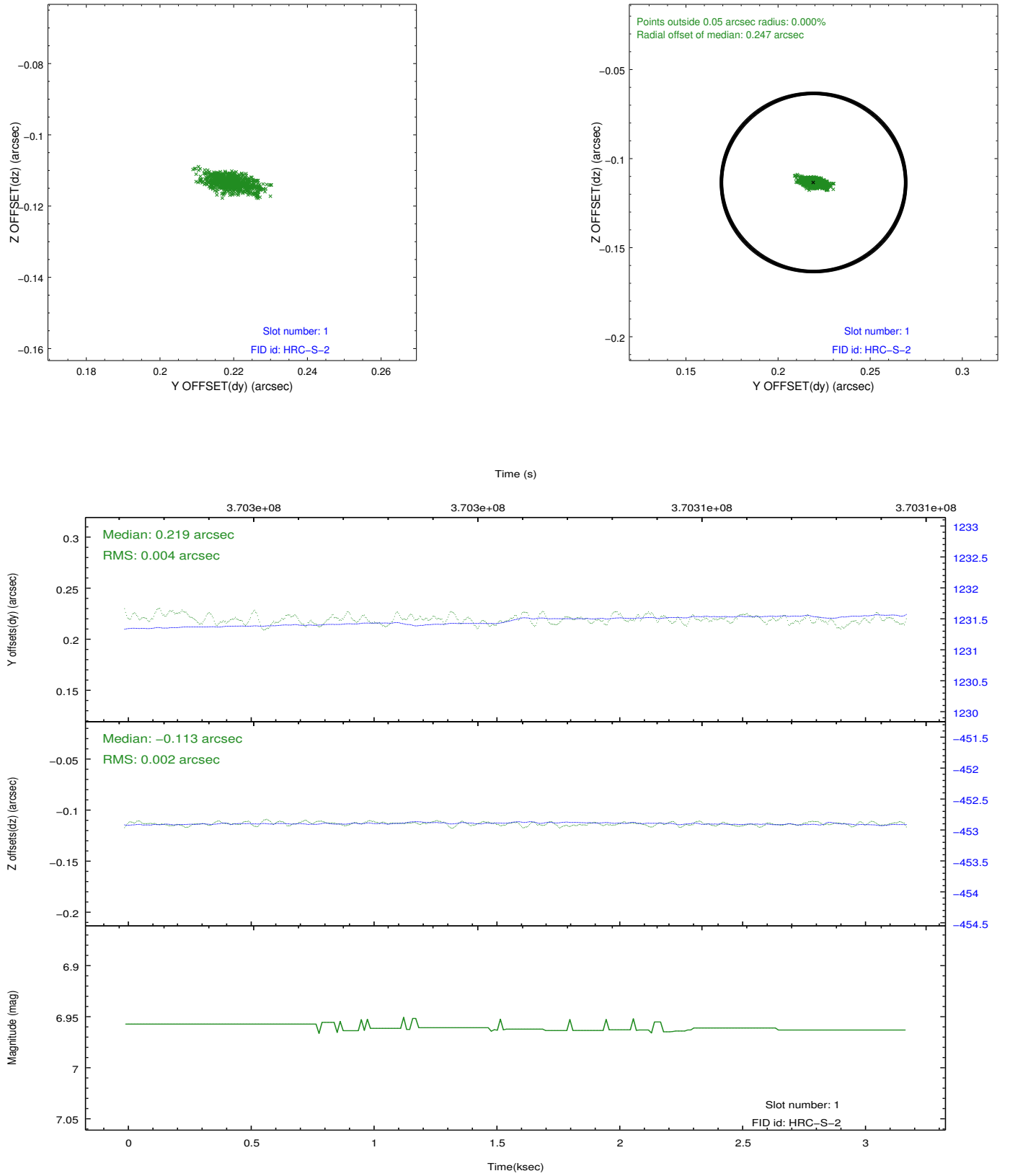


2.5 FID Slots

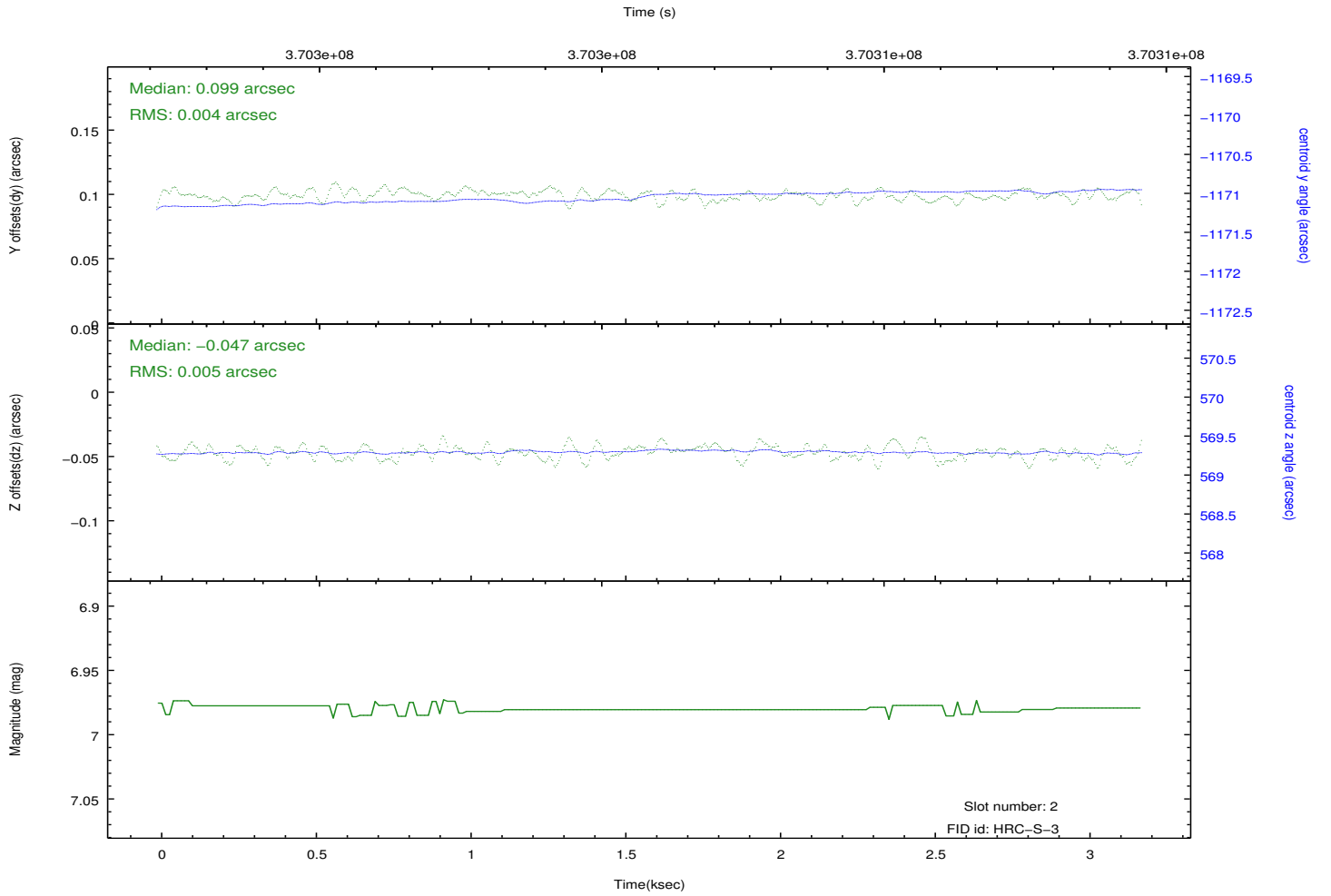
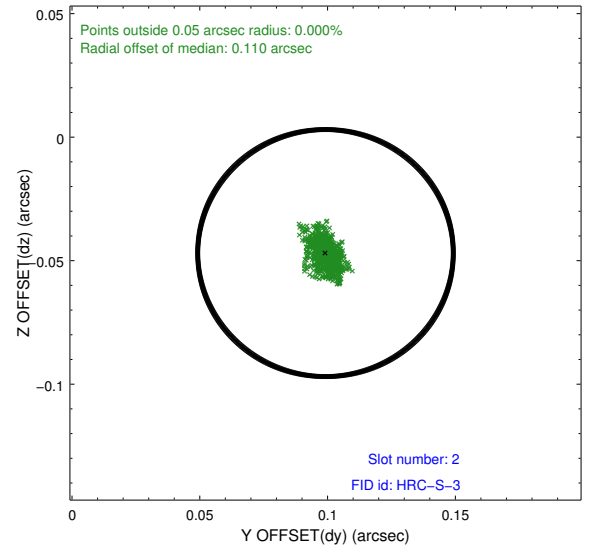
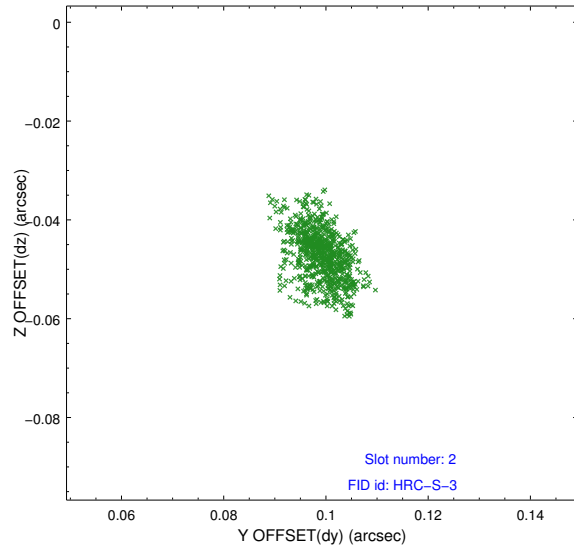
2.5.1 Slot 0



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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1828814098835

A.2 Comments

Window constraint satisfied.