

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6503 - L2 Version 4
Chandra X-Ray Center

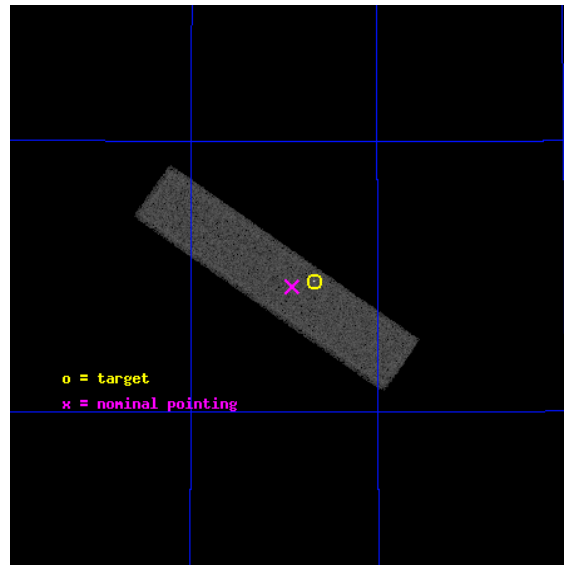
L2 Processing Date : Aug 11 2012

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1 Front

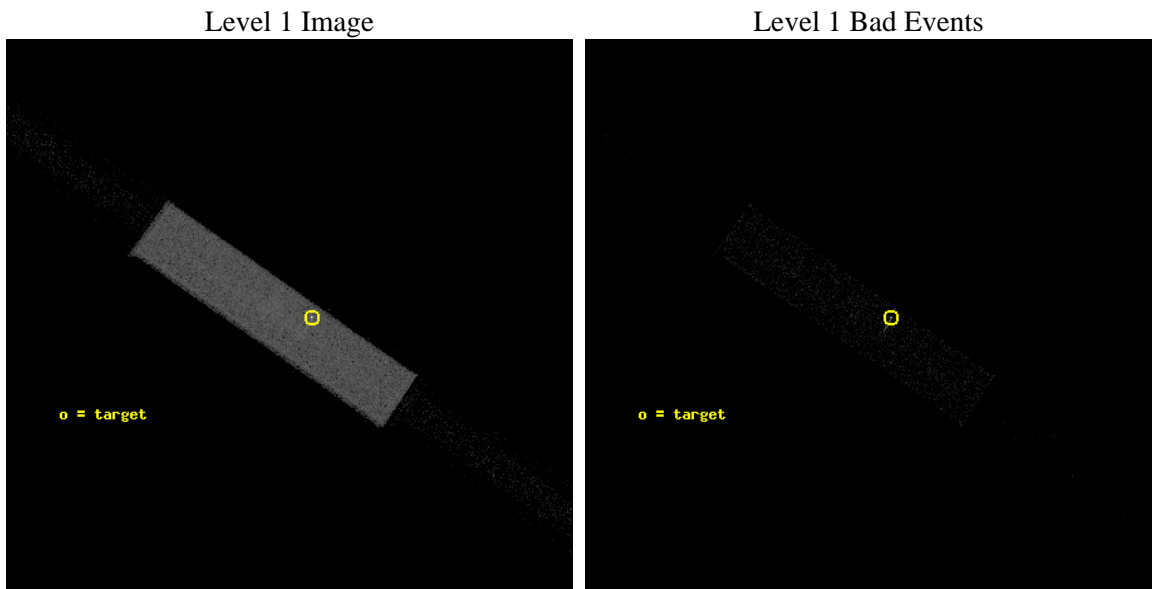
seq_num	290596	Sequence number
obs_id	6503	Observation id
title	AO7B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22964231746	Nominal RA [deg]
dec_nom	45.731826481299	Nominal Dec [deg]
roll_nom	214.66712686421	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1145.1813037992	[s]
livetime	1136.2538798693	Ontime multiplied by DTCOR
l2events	62780	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1145.1813037992	[s]
caldsver	4.5.1.1	 	l1events	101519	Number of level 1 events
date	2012-08-11T13:41:20	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

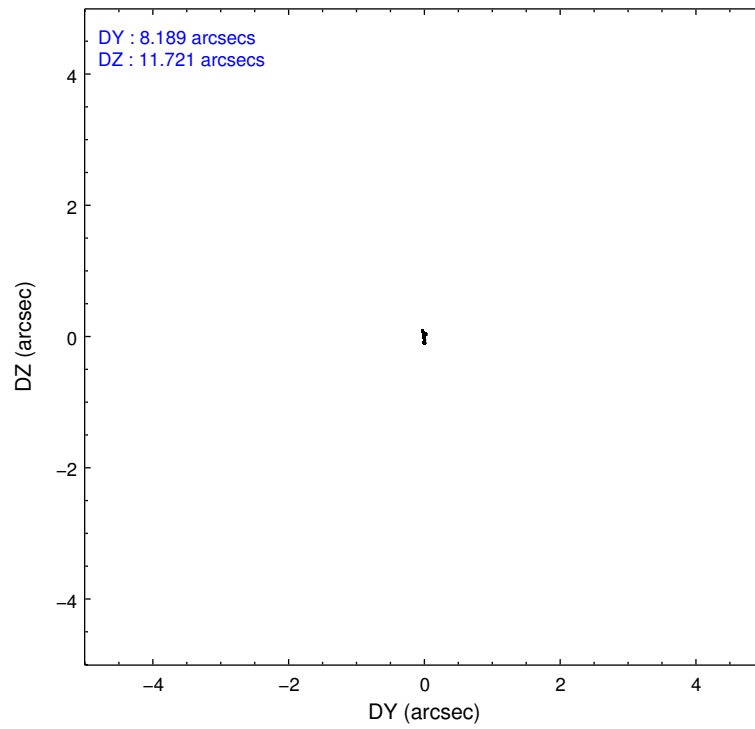
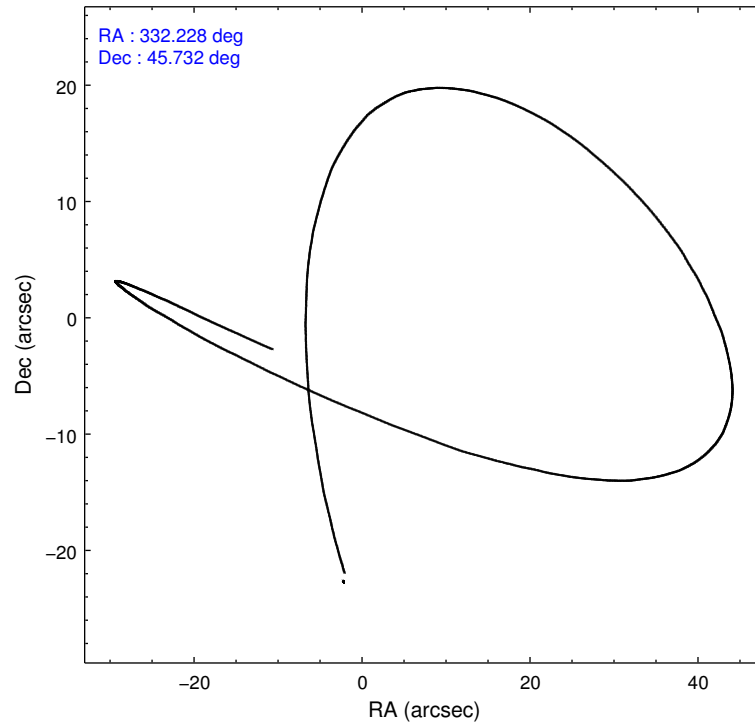
Level 1 Events

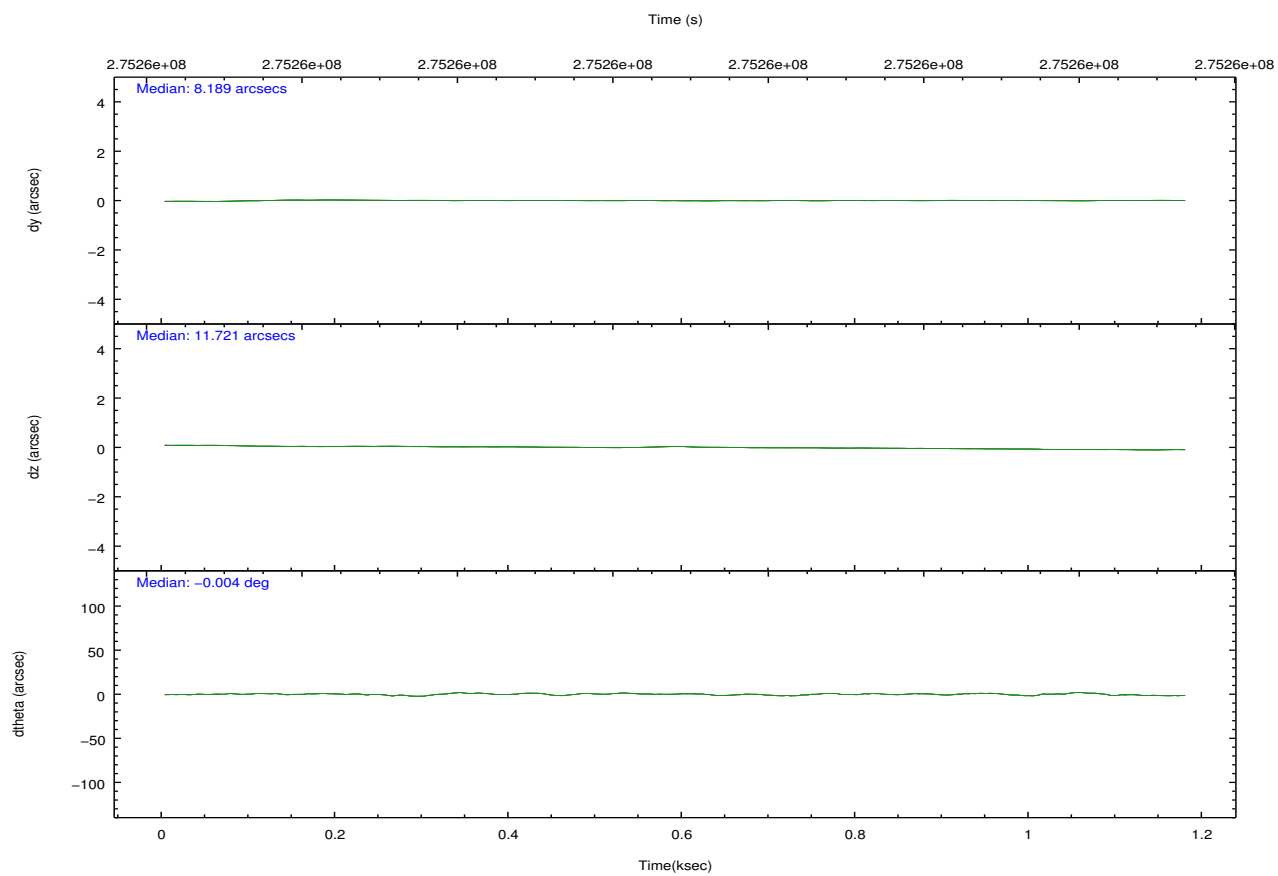
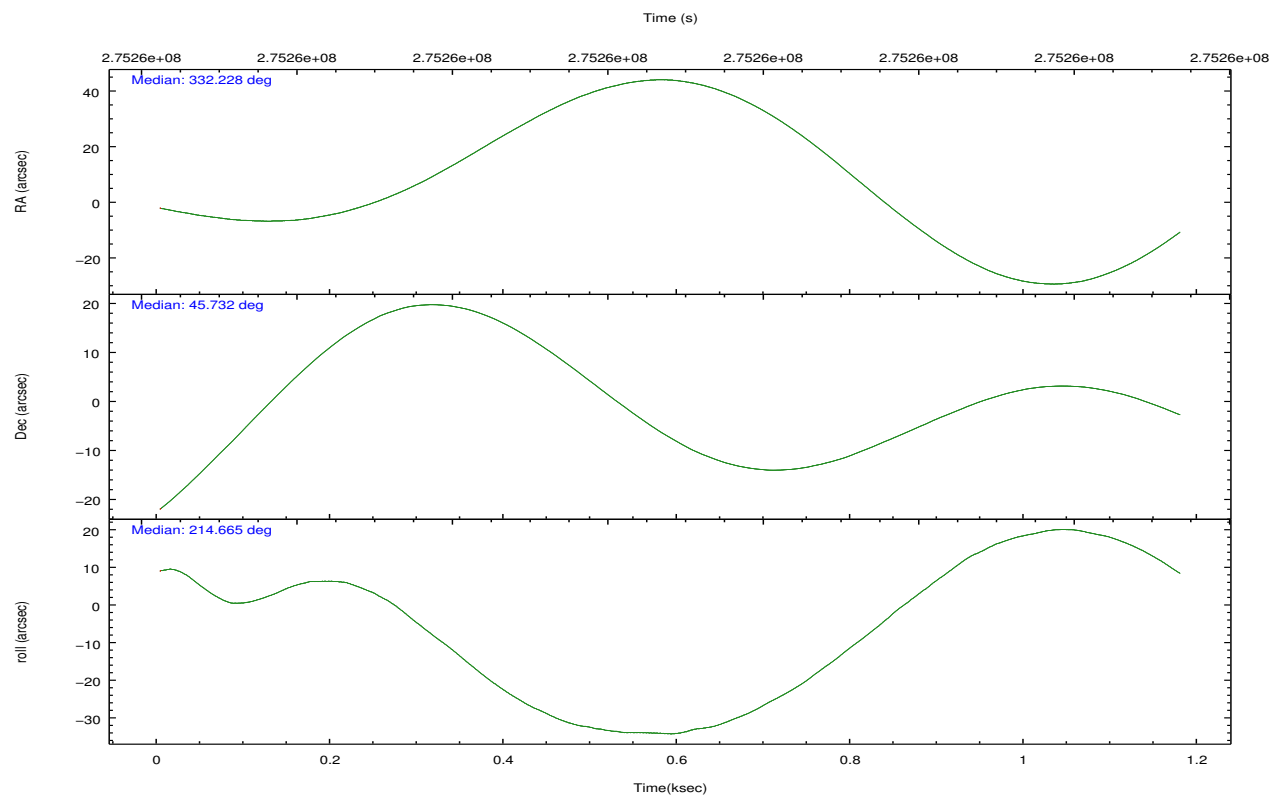
	segment 1	segment 2	segment 3
level 1 events	858	99819	842
rejected events	858	23474	842
rejected %	100%	23%	100%

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	332.246498	332.229642317462			
[deg] Pointing Dec	45.757681	45.73182648129913			
[deg] Pointing Roll	214.587723	214.6671268642069			
[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)	275262870.184000	275262494.1552			
Observation start date	2006-09-21T21:53:25	2006-09-21T21:48:14			
[s] Observation end time (MET)	275263870.184000	275264004.49277			
Observation end date	2006-09-21T22:10:05	2006-09-21T22:13:24			

2.3 Aspect



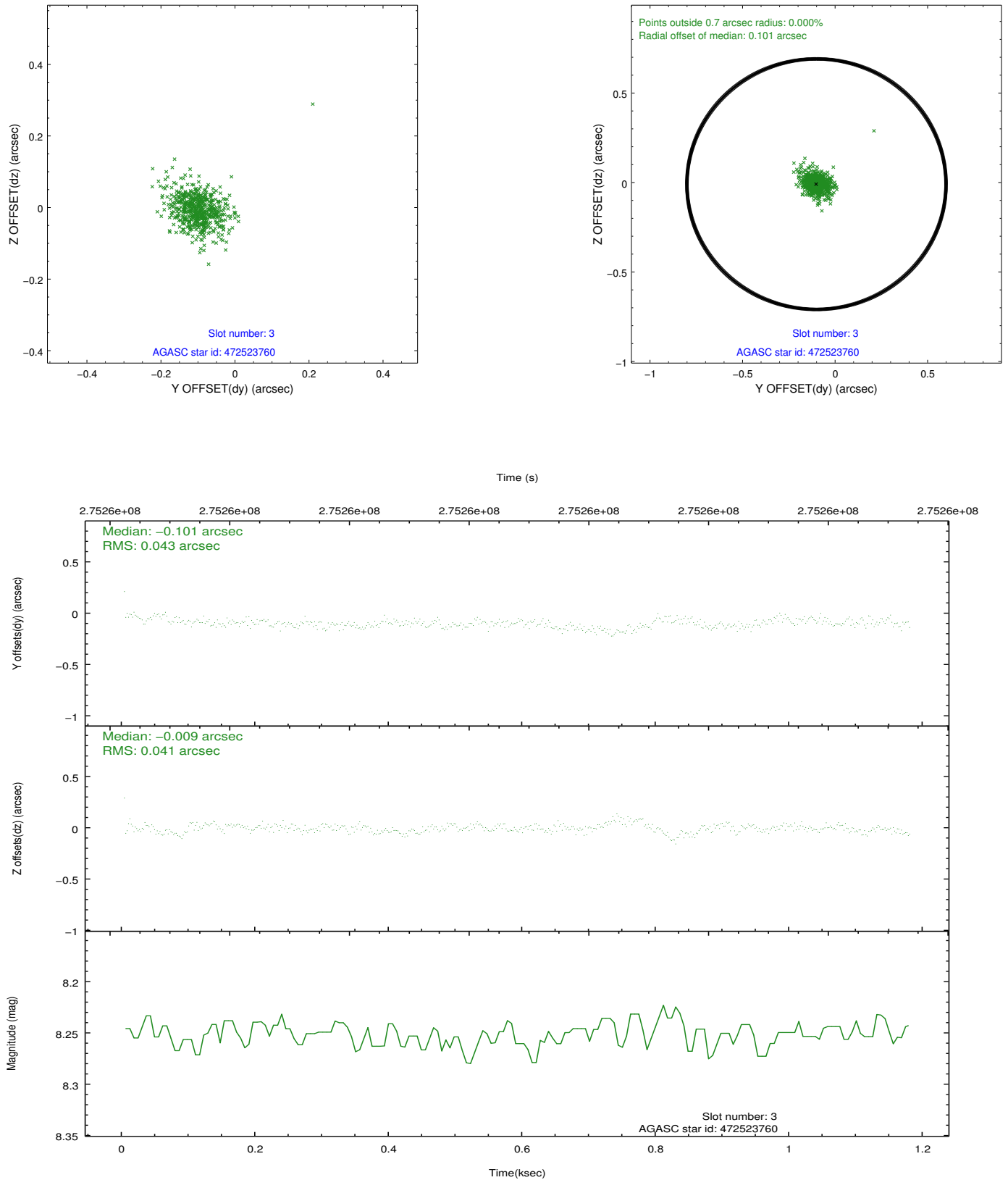


Slot Statistics

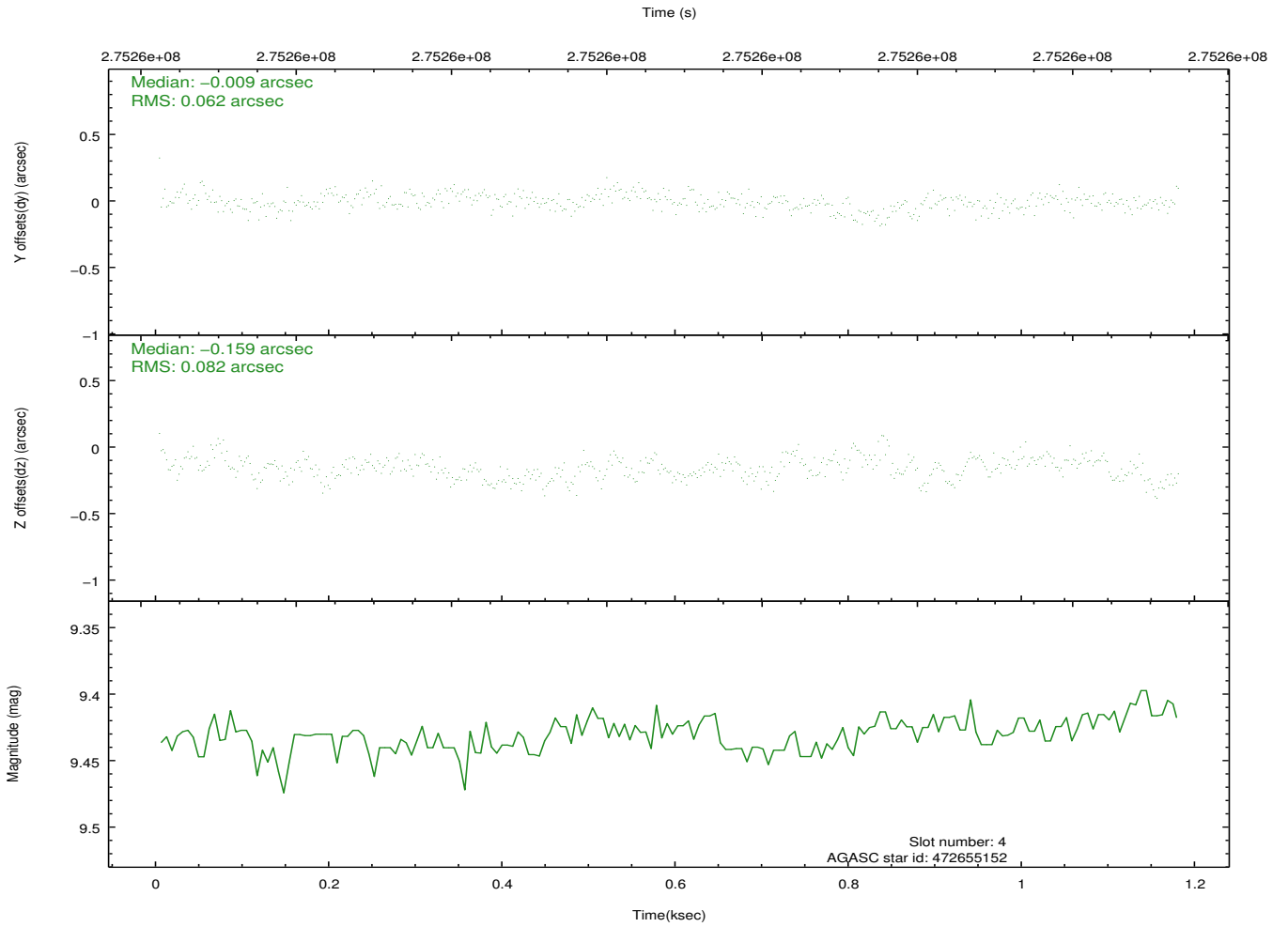
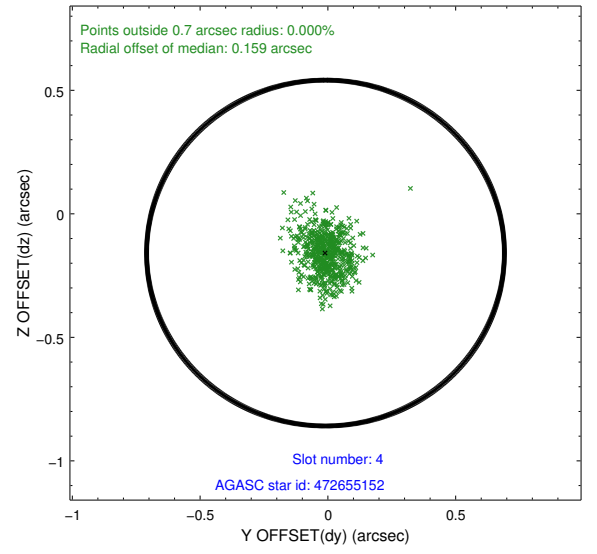
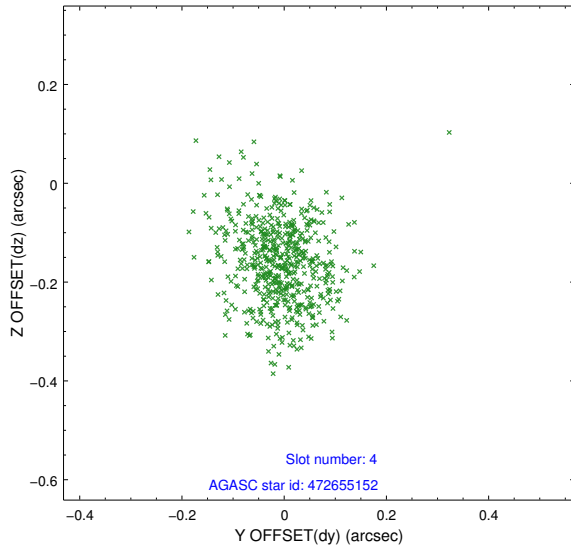
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	288	0.123	-0.104	0.004	0.008	0.000000	0.000000	-1162.35	-460.41
1	FID	HRC-S-2	7.05	288	0.141	-0.102	0.004	0.008	0.000000	0.000000	1233.29	-454.60
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	472523760	8.25	575	-0.101	-0.009	0.058	0.104	331.645363	45.403260	1971.02	187.04
4	GUIDE	472655152	9.43	575	-0.009	-0.159	0.110	0.180	332.504239	45.862991	-745.22	57.77
5	GUIDE	472665256	9.02	575	0.043	0.060	0.071	0.111	332.808125	46.195041	-2050.88	-502.04
6	GUIDE	472533912	9.16	575	-0.002	0.068	0.129	0.197	331.791136	46.368695	-323.59	-2452.75
7	GUIDE	472663080	9.40	574	0.074	0.049	0.107	0.183	332.652741	46.473840	-2295.51	-1553.55

2.4 Star Slots

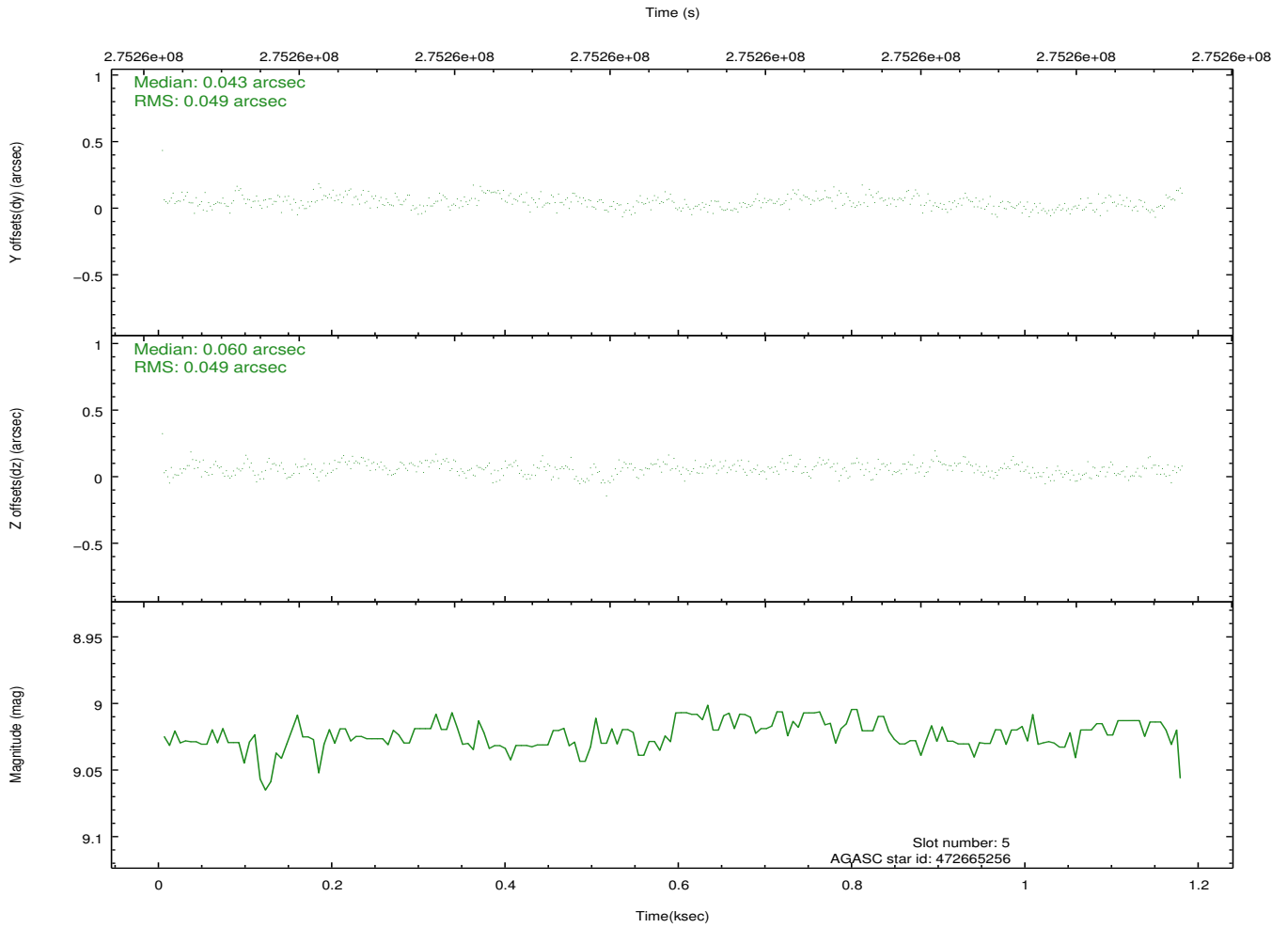
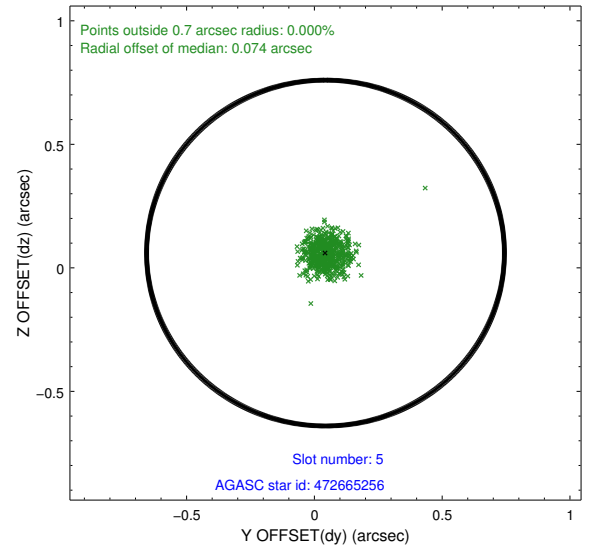
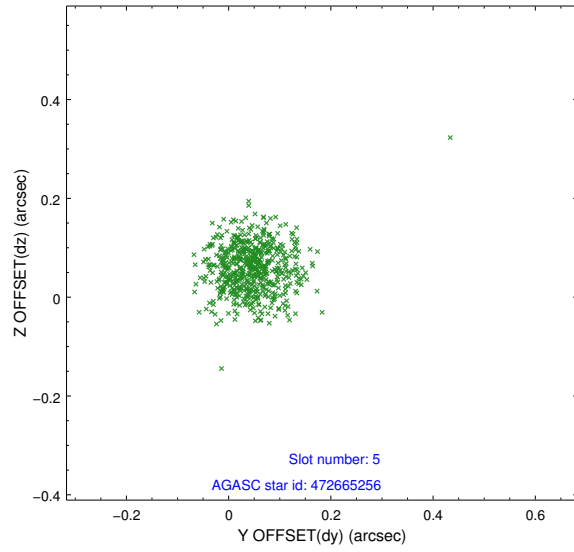
2.4.1 Slot 3



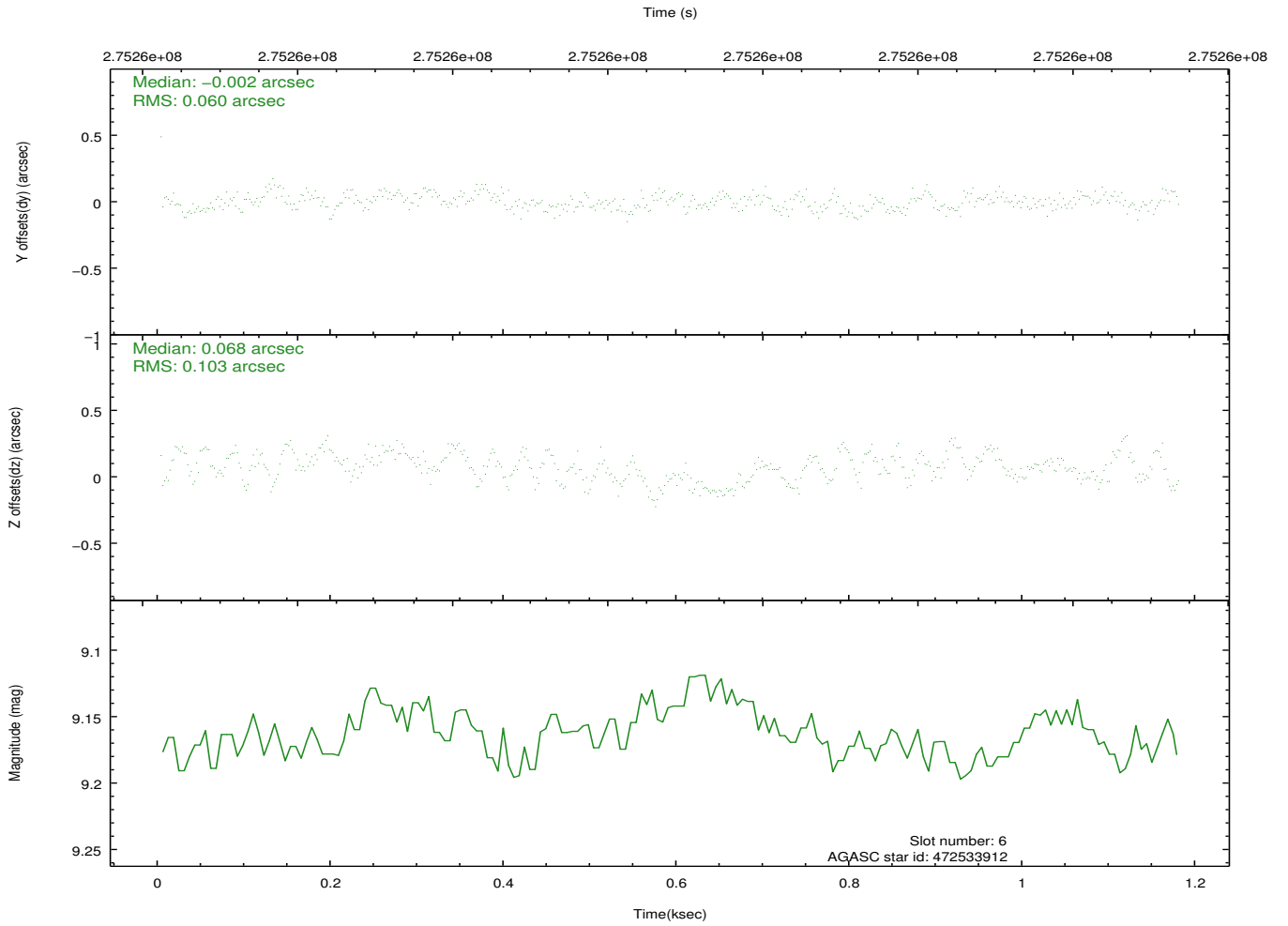
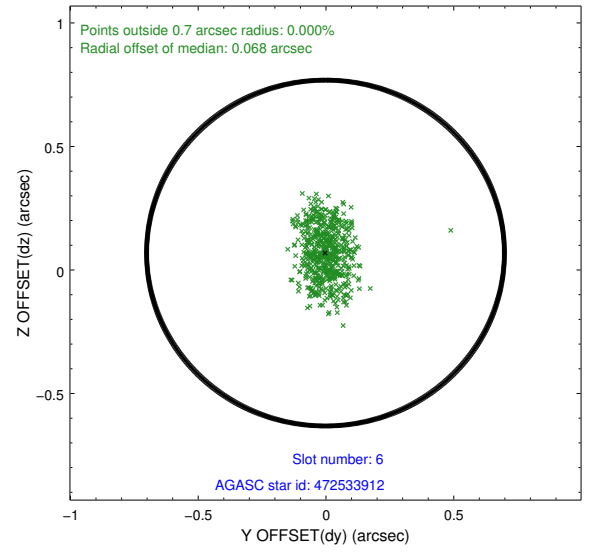
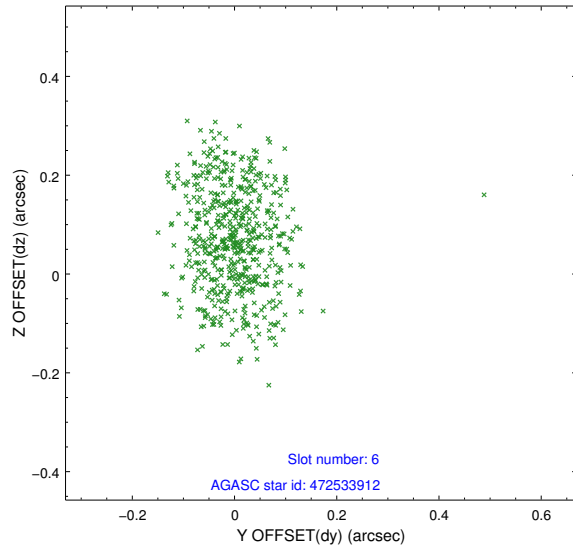
2.4.2 Slot 4



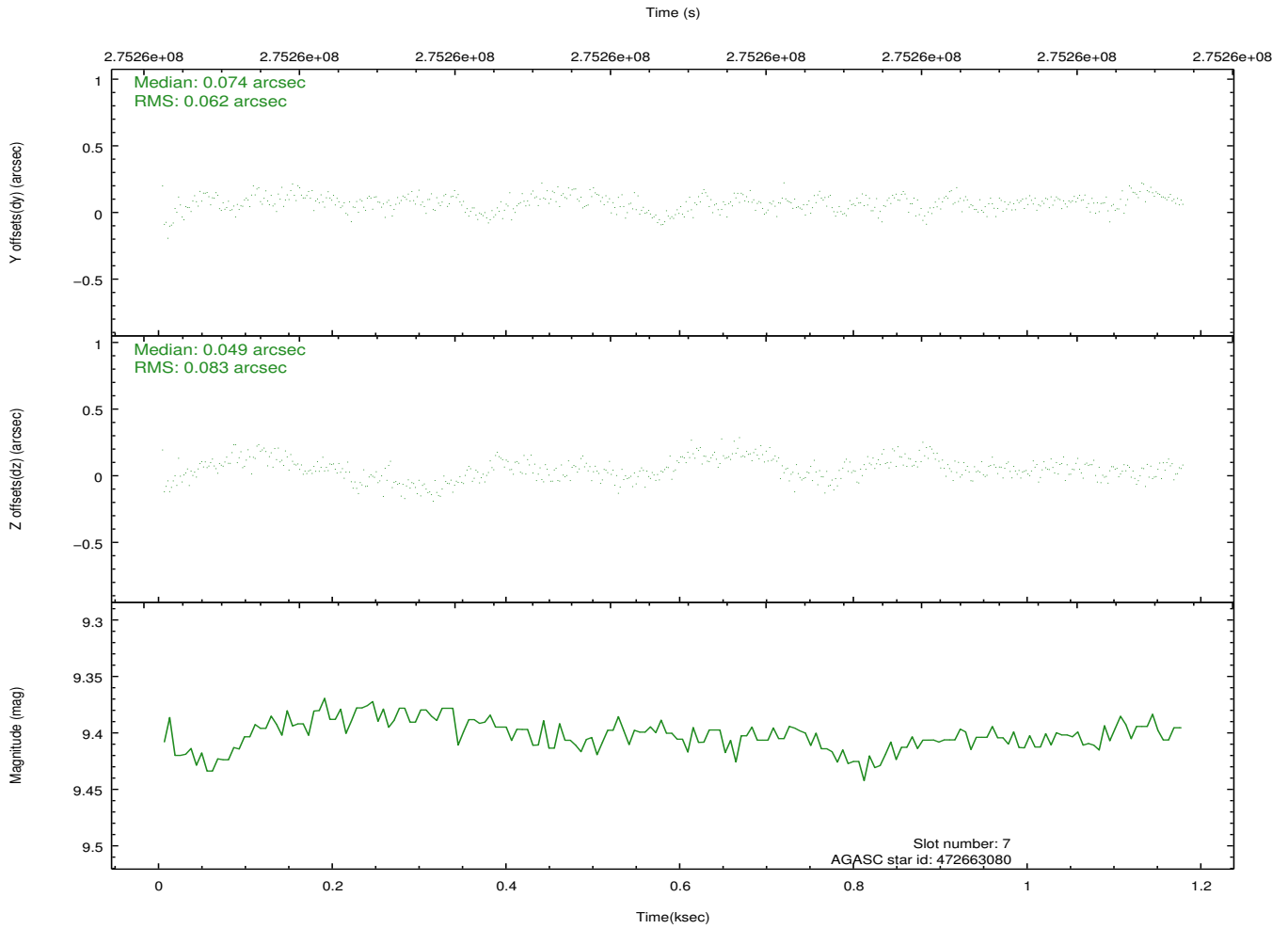
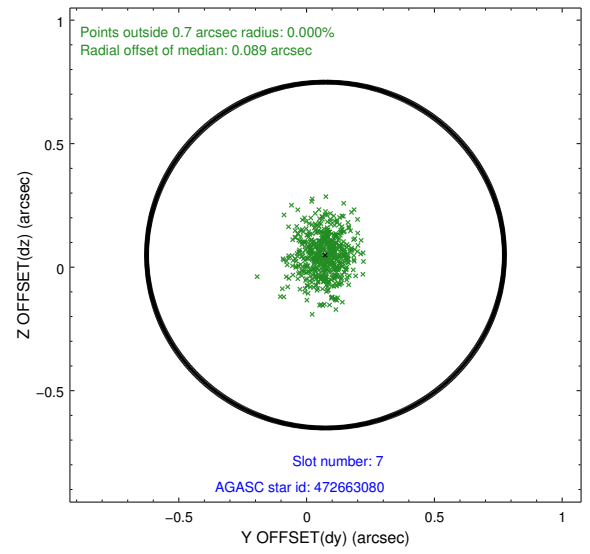
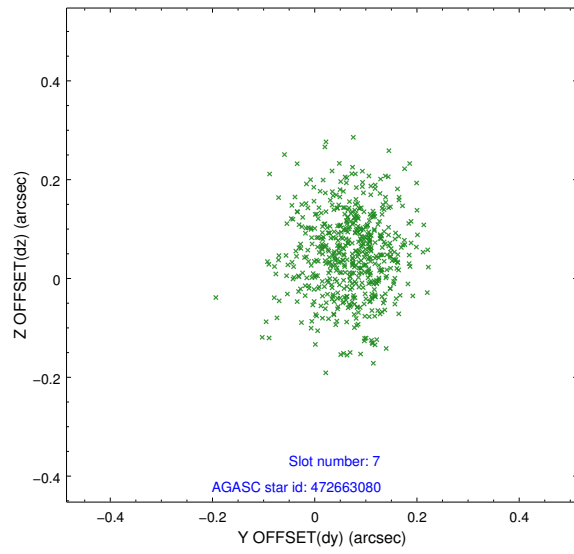
2.4.3 Slot 5



2.4.4 Slot 6

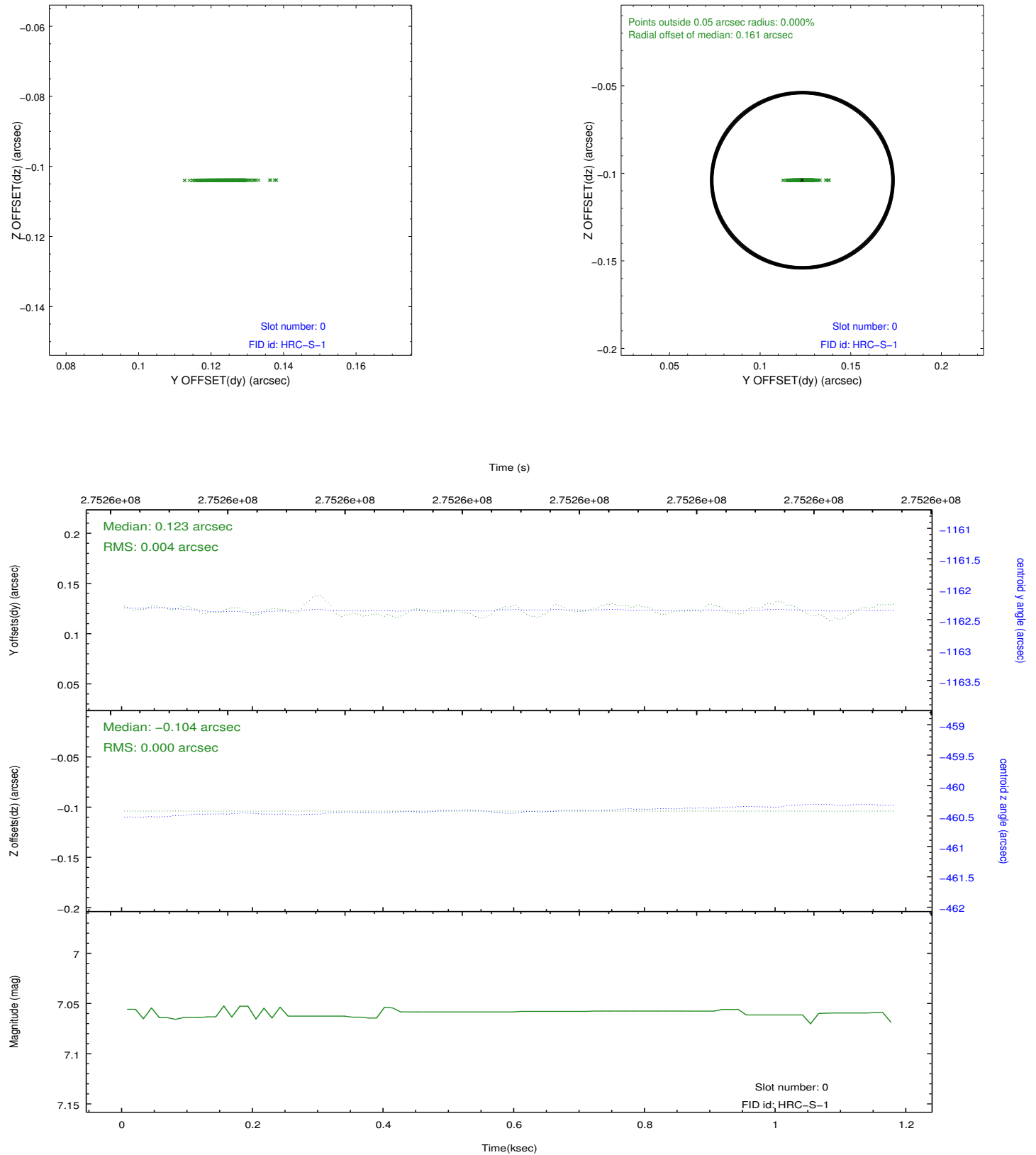


2.4.5 Slot 7

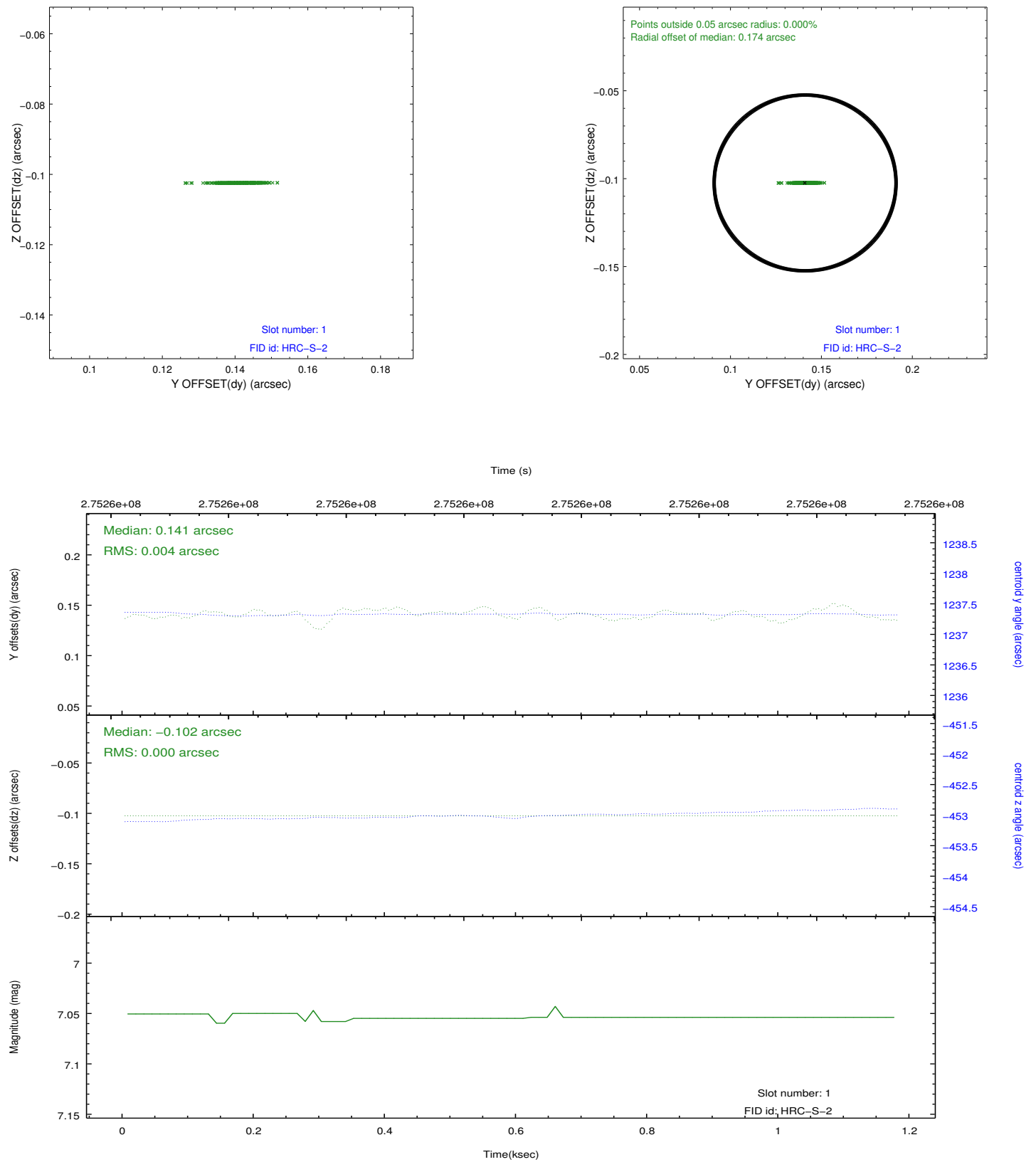


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1451813

A.2 Comments

The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.