

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5112 - L2 Version 3
Chandra X-Ray Center

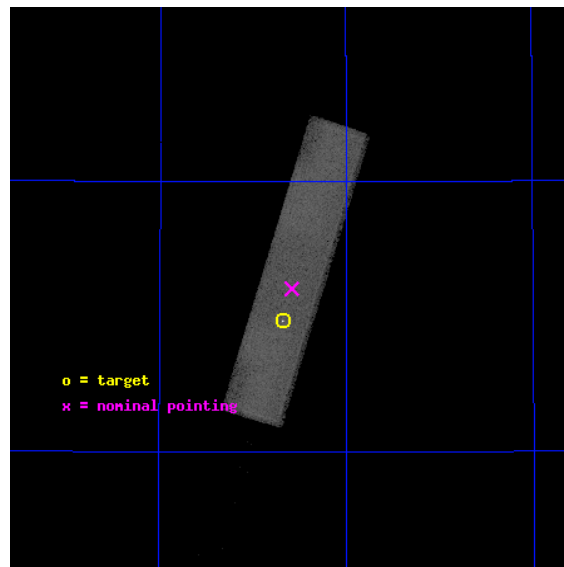
L2 Processing Date : Dec 11 2012

Contents

1 Front	2
2 OBI	3
2.1 OBI	3
2.1.1 Images	3
2.1.2 Parameters	4
2.1.3 Events	4
2.2 Compared Parameters	5
2.3 Aspect	6
2.4 Star Slots	9
2.4.1 Slot 3	9
2.4.2 Slot 4	10
2.4.3 Slot 5	11
2.4.4 Slot 6	12
2.4.5 Slot 7	13
2.5 FID Slots	14
2.5.1 Slot 0	14
2.5.2 Slot 1	15
2.5.3 Slot 2	16
A Summary	17
A.1 Status	17
A.2 Comments	17

1 Front

seq_num	290385	Sequence number
obs_id	5112	Observation id
title	AO5B 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	332.14570115712	Nominal RA [deg]
dec_nom	45.801934814066	Nominal Dec [deg]
roll_nom	286.99293696315	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1054.9812974334	[s]
livetime	1029.3345366854	Ontime multiplied by DTCOR
l2events	118869	Number of level 2 events

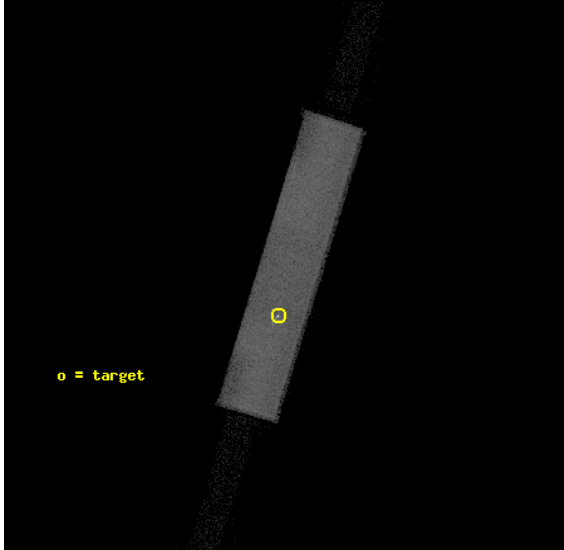


2 OBI

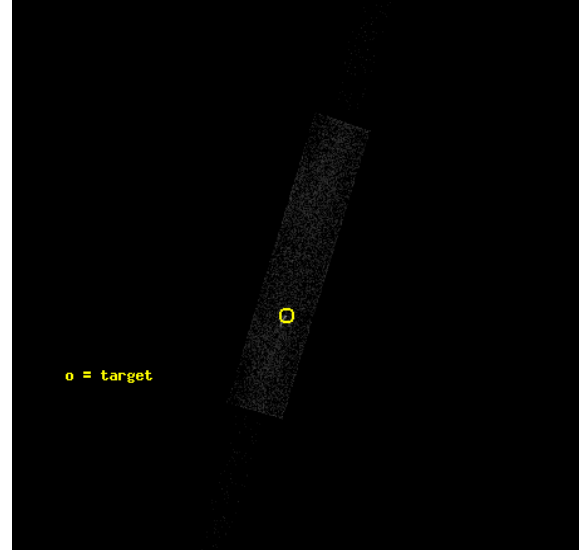
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1054.9812974334	[s]
caldbver	4.5.4	 	l1events	183533	Number of level 1 events
date	2012-12-11T23:54:49	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

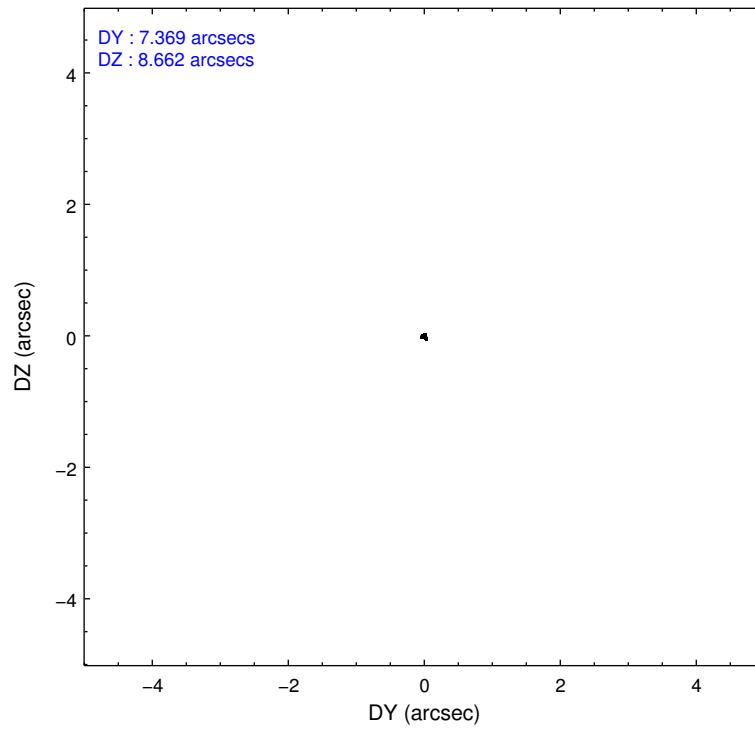
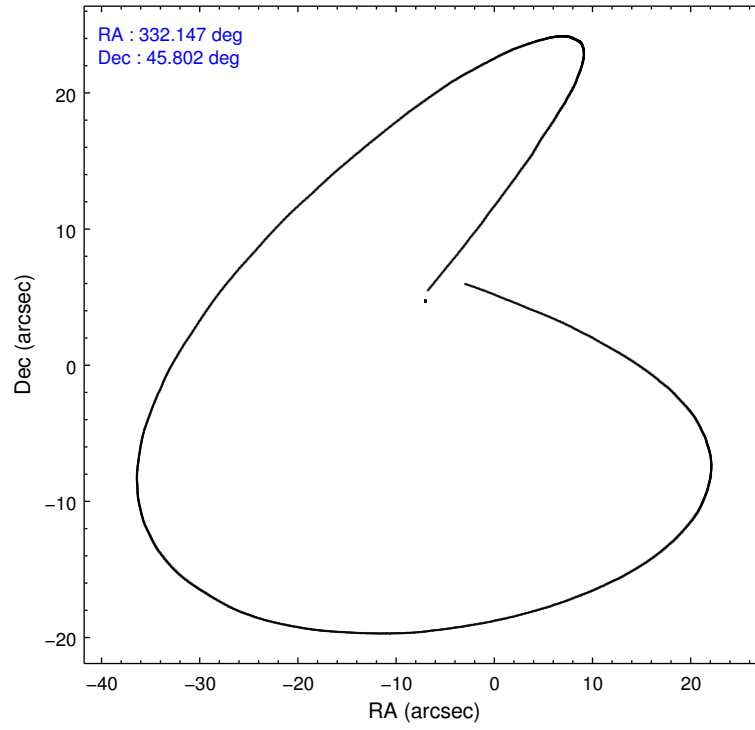
Level 1 Events

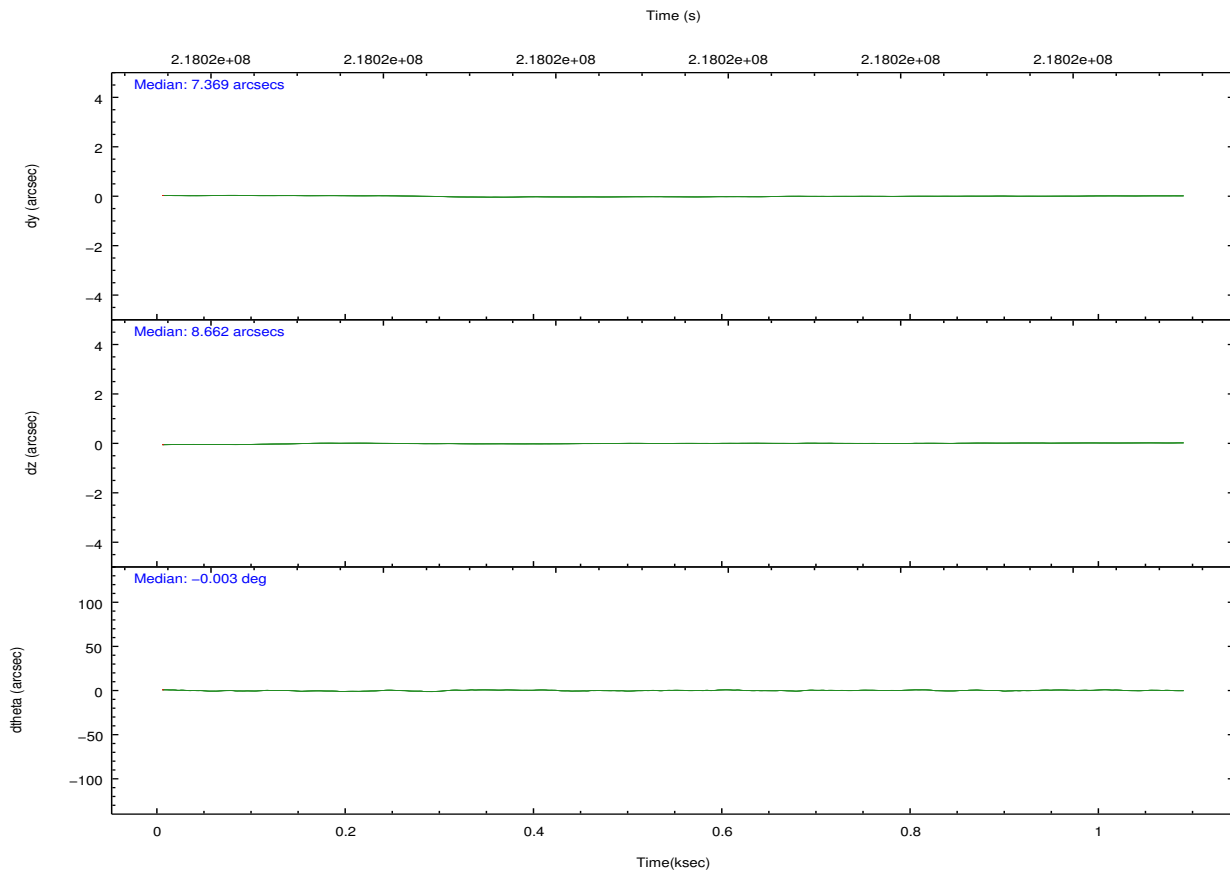
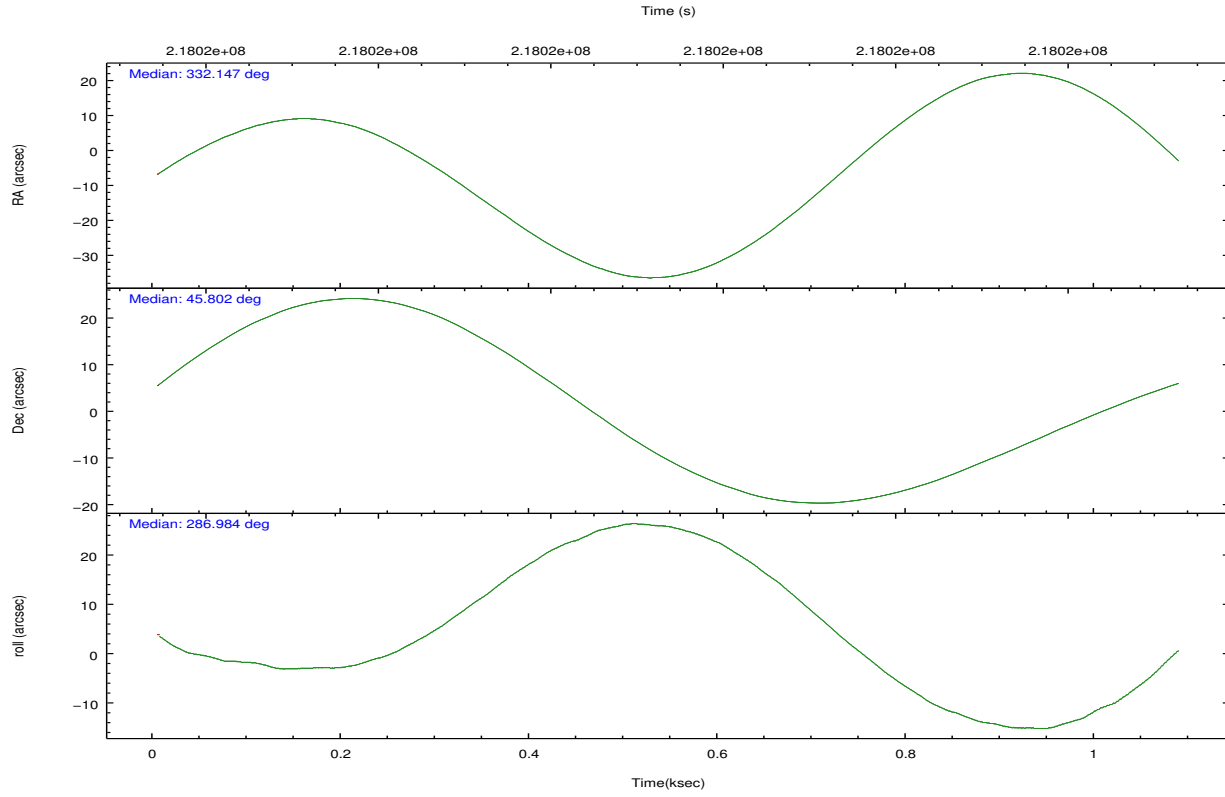
	segment 1	segment 2	segment 3
level 1 events	1792	180132	1609
rejected events	1792	49746	1590
rejected %	100%	27%	98%

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	332.112596	332.1457011571198			
[deg] Pointing Dec	45.820016	45.80193481406566			
[deg] Pointing Roll	286.949347	286.9929369631494			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	218022783.184000	218022406.89386			
Observation start date	2004-11-28T09:51:59	2004-11-28T09:46:46			
[s] Observation end time (MET)	218023683.184000	218023816.78143			
Observation end date	2004-11-28T10:06:59	2004-11-28T10:10:16			

2.3 Aspect



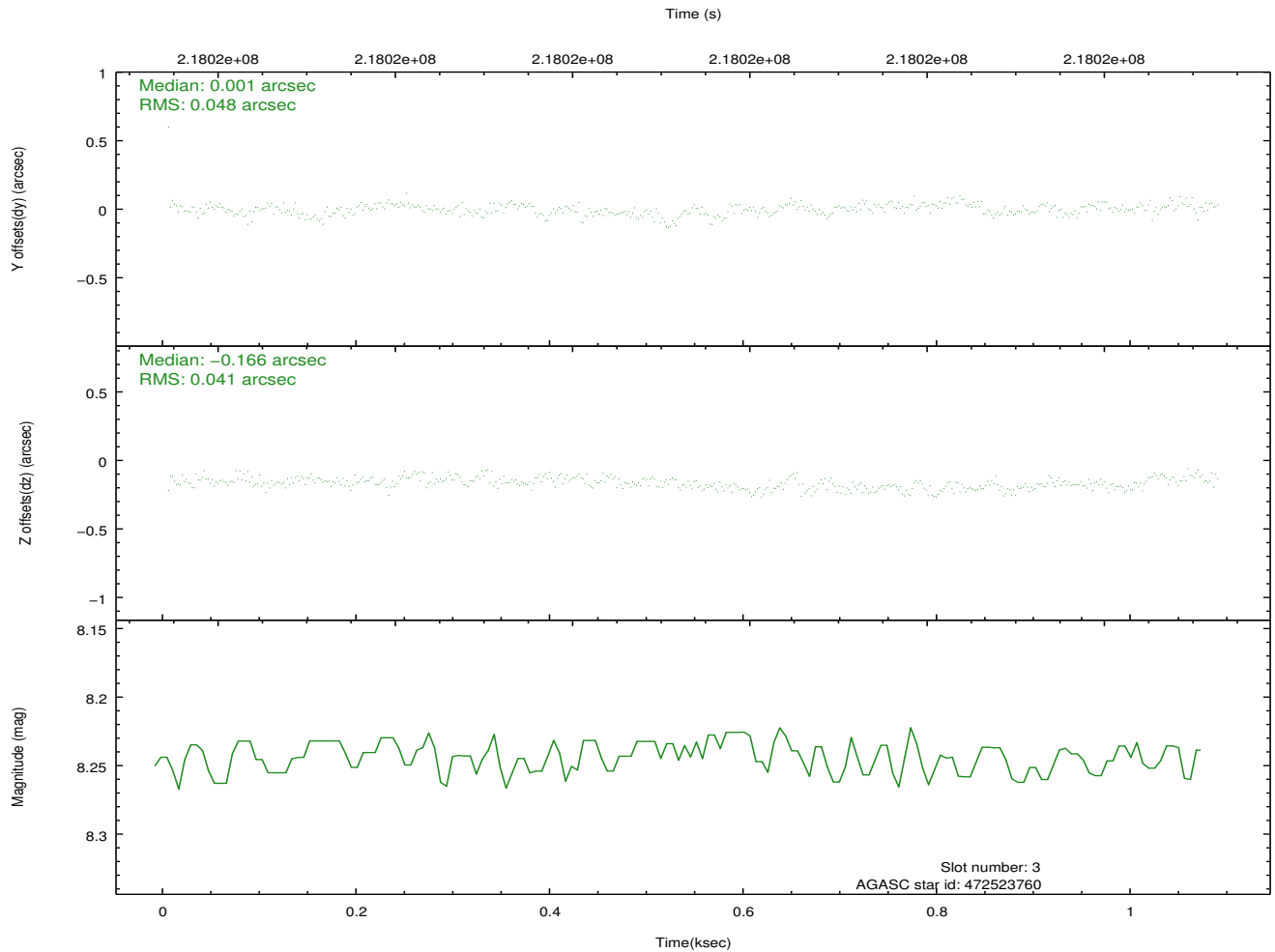
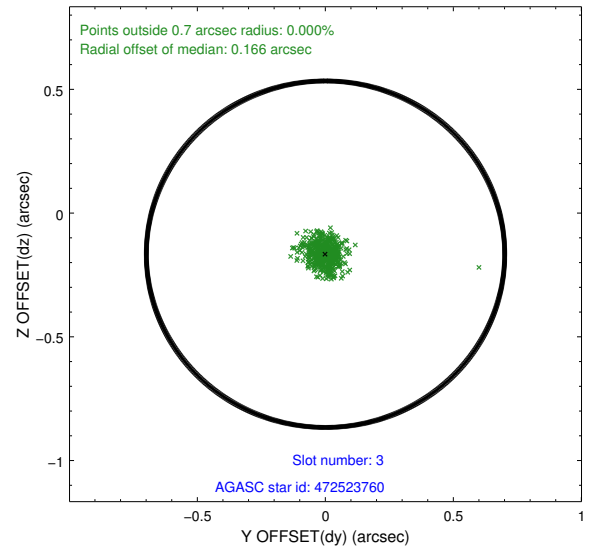
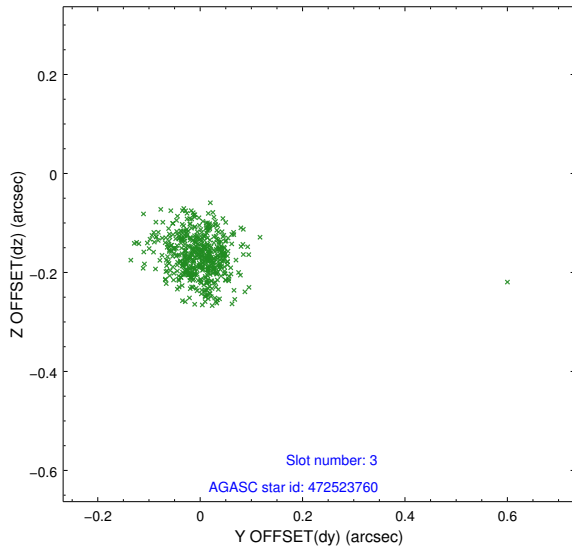


Slot Statistics

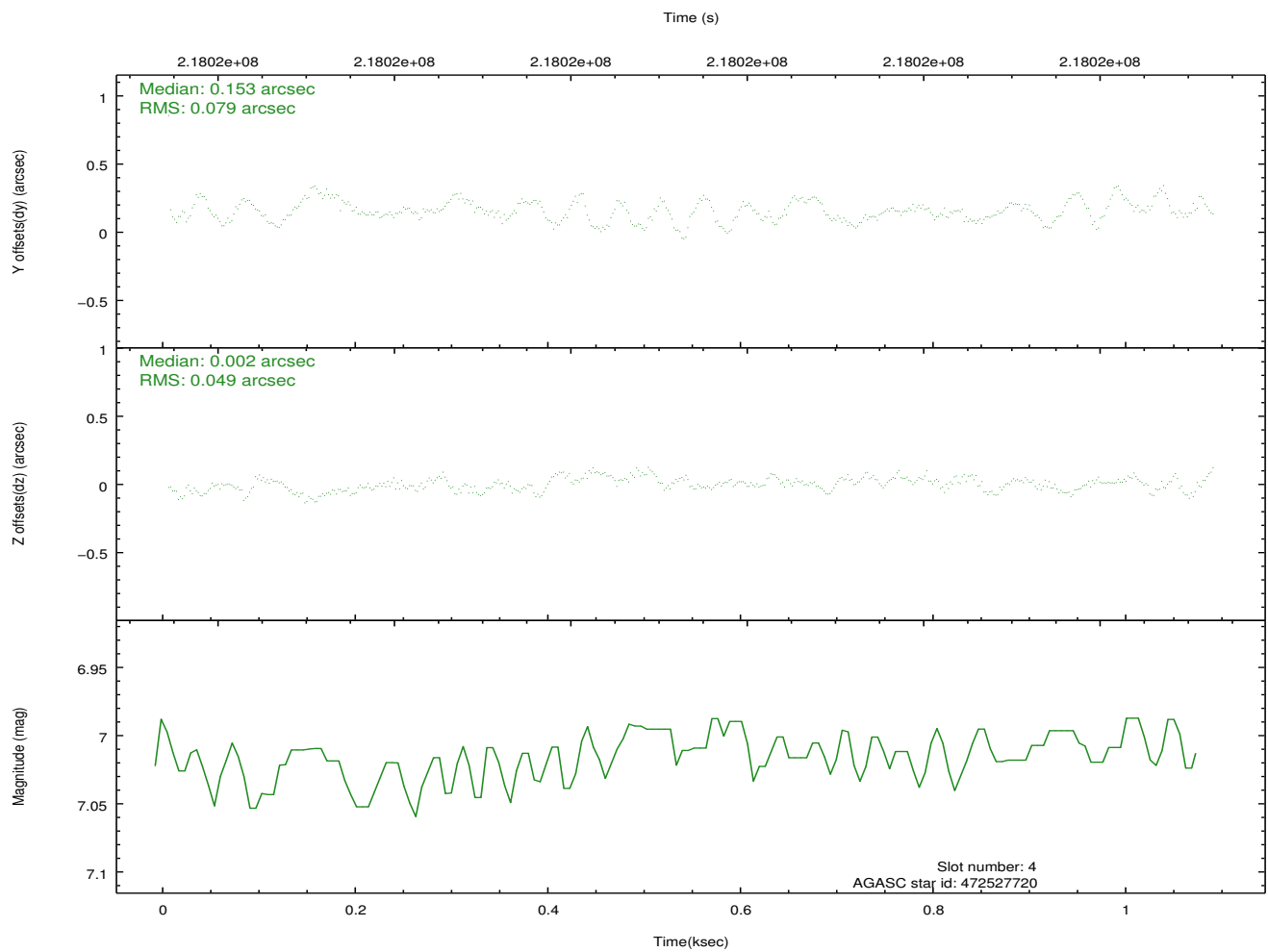
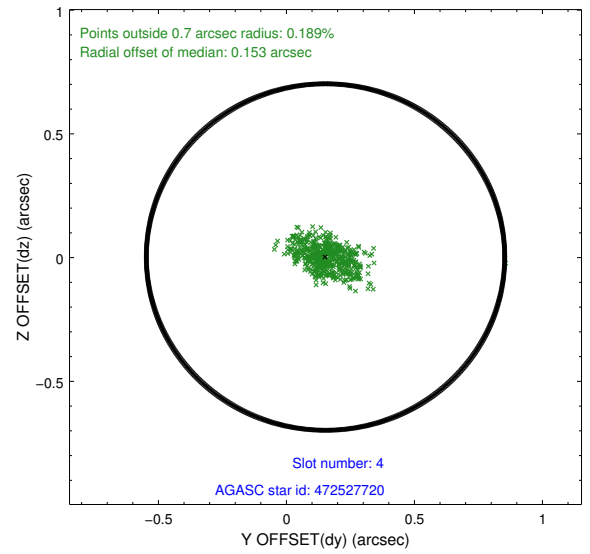
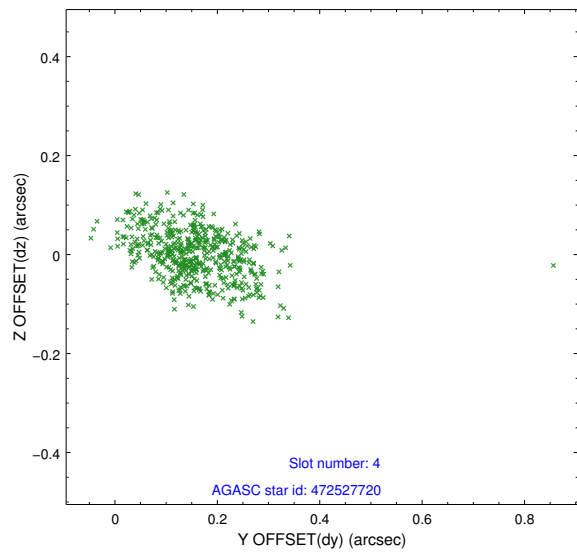
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	265	0.137	-0.144	0.007	0.010	0.000000	0.000000	-1161.52	-457.29
1	FID	HRC-S-2	7.04	265	0.162	-0.117	0.004	0.008	0.000000	0.000000	1233.80	-451.63
2	FID	HRC-S-3	7.05	265	0.090	-0.040	0.007	0.011	0.000000	0.000000	-1159.63	570.64
3	GUIDE	472523760	8.24	530	0.001	-0.166	0.061	0.100	331.645363	45.403260	1088.16	-1570.45
4	GUIDE	472527720	7.02	530	0.153	0.002	0.094	0.153	331.460205	45.112509	1949.71	-2333.10
5	GUIDE	472533912	9.16	530	-0.098	0.102	0.078	0.128	331.791136	46.368695	-2119.84	-196.47
6	GUIDE	472655152	9.44	528	-0.042	0.038	0.092	0.151	332.504239	45.862991	132.11	980.36
7	GUIDE	472659832	9.47	529	-0.012	0.022	0.088	0.152	332.780399	46.098139	-478.16	1886.06

2.4 Star Slots

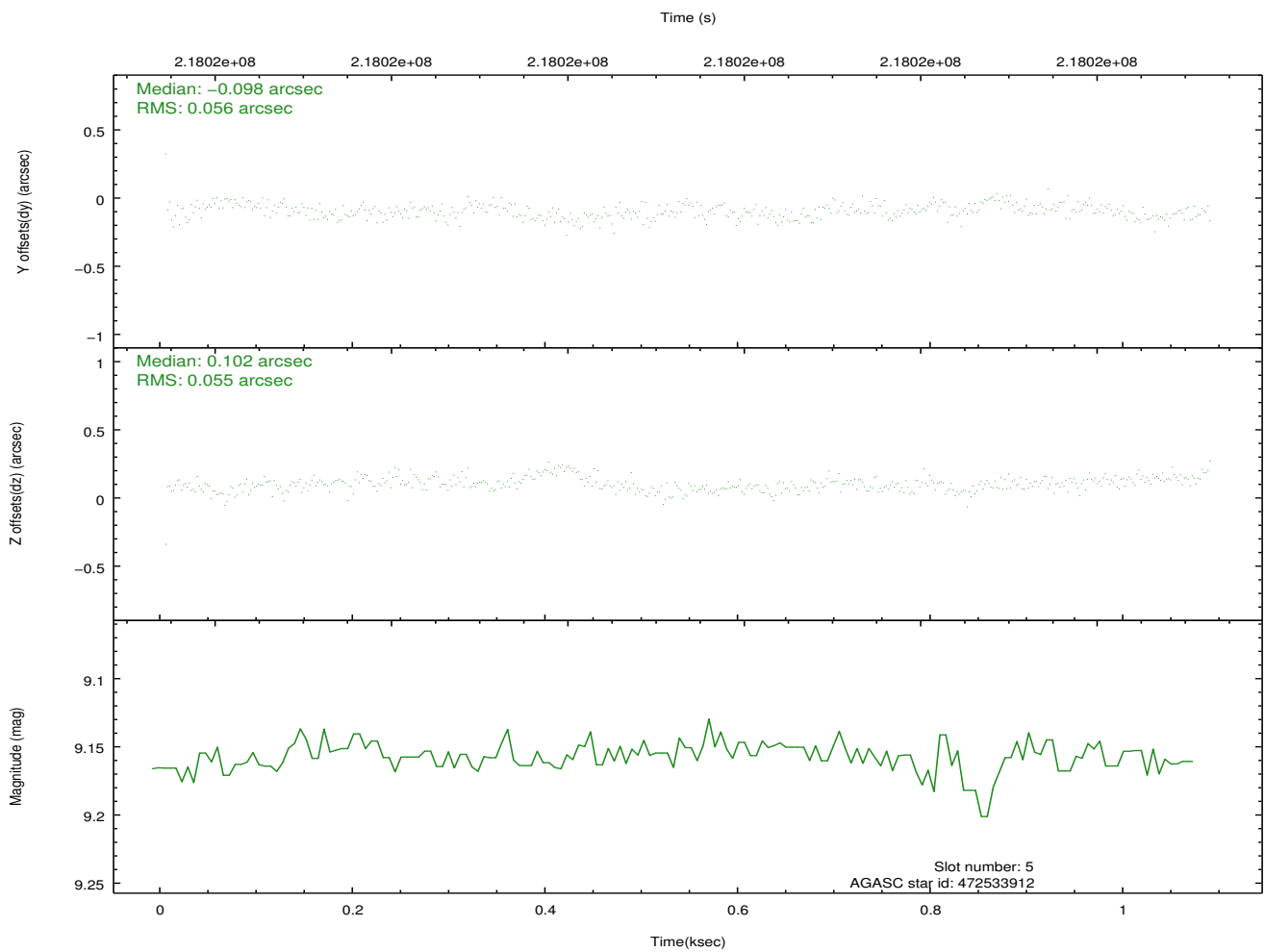
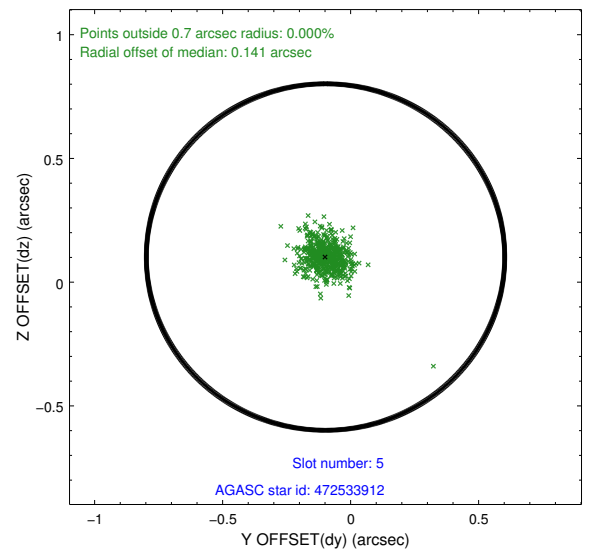
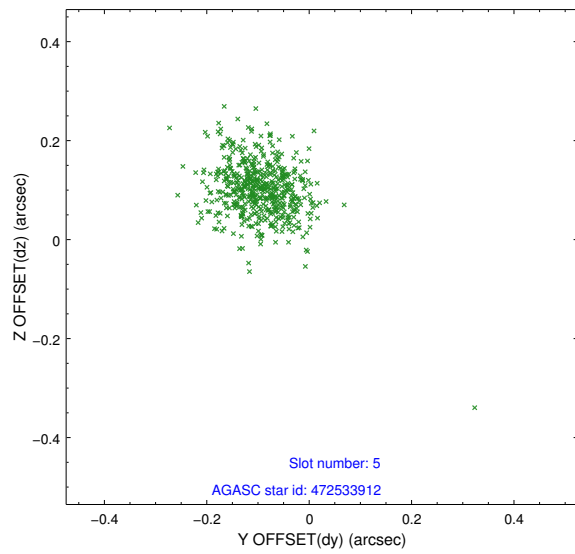
2.4.1 Slot 3



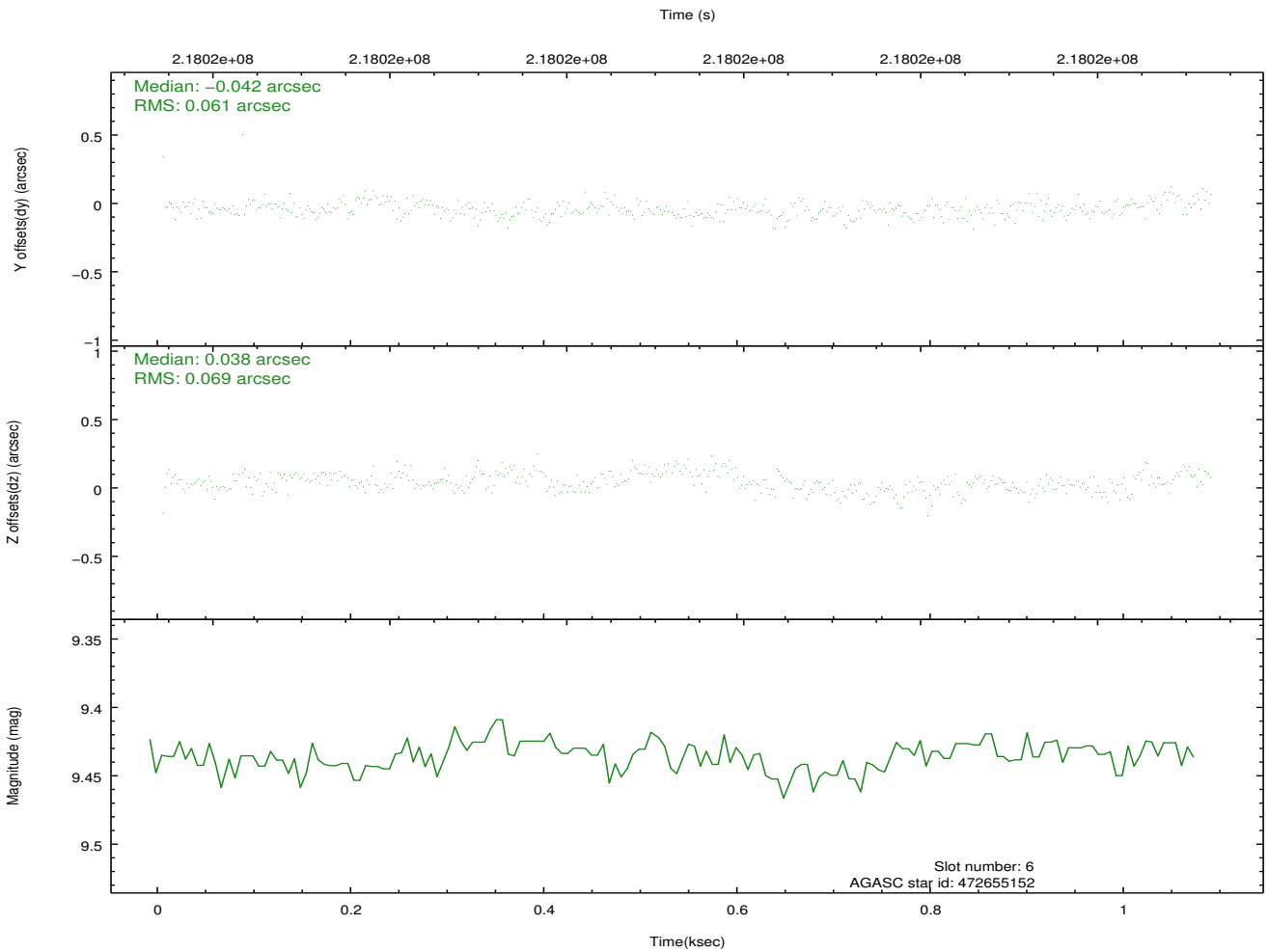
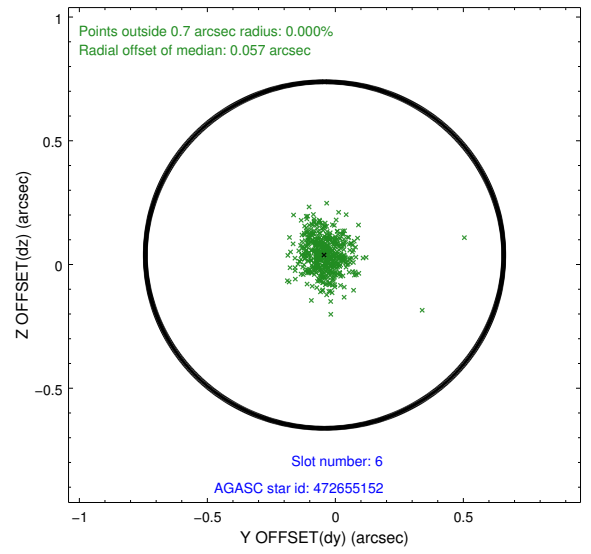
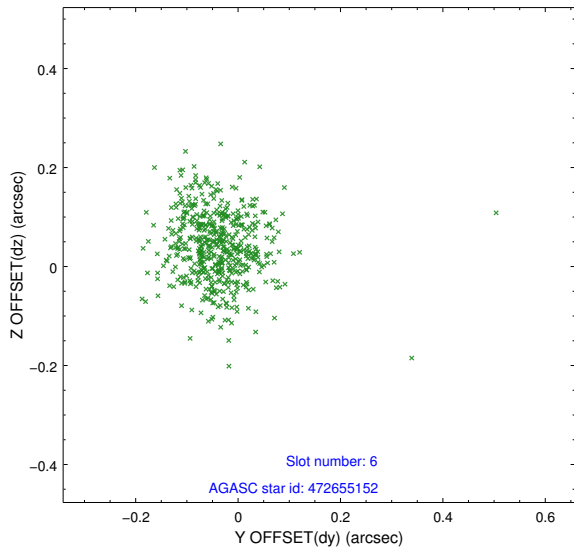
2.4.2 Slot 4



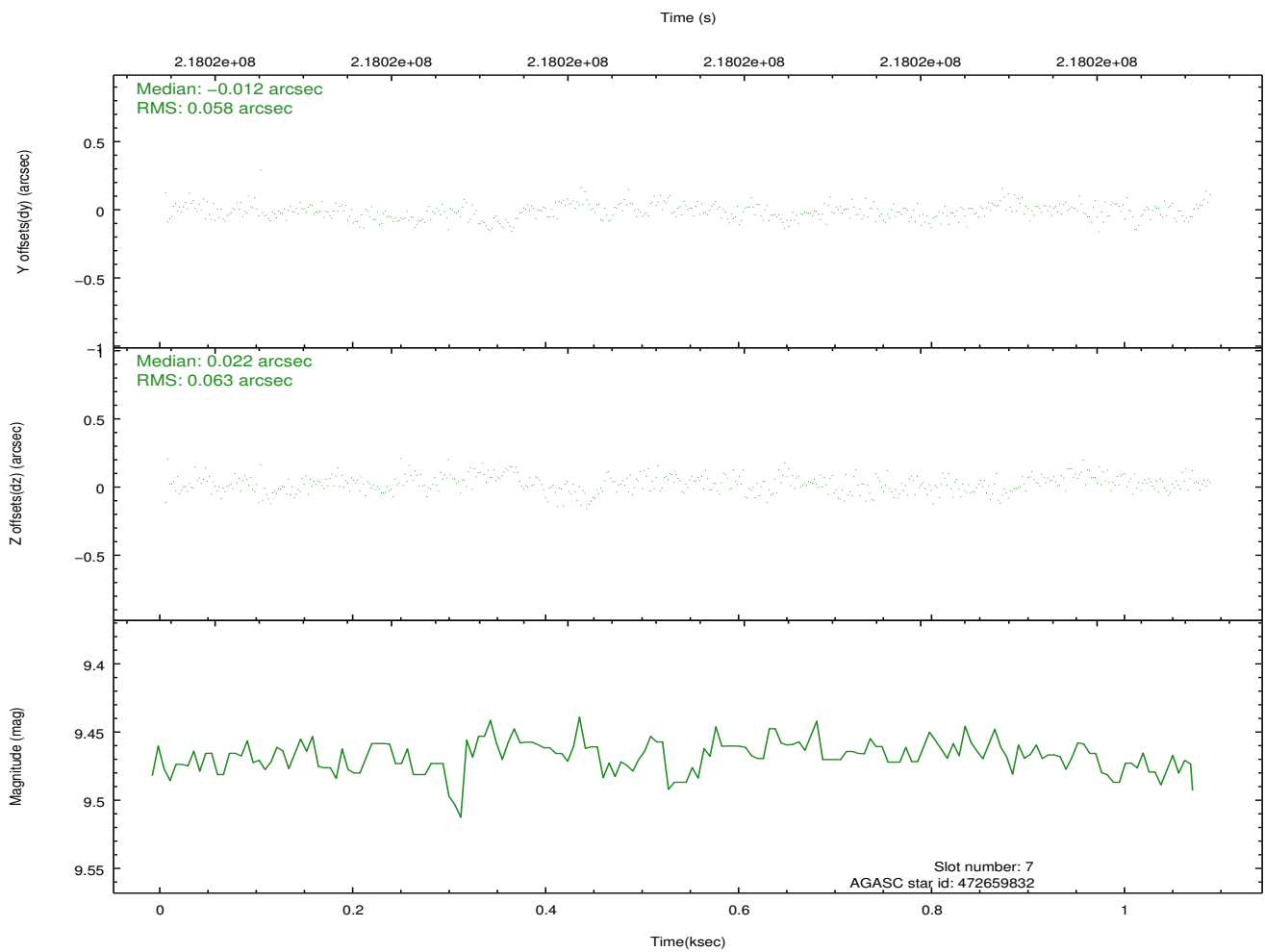
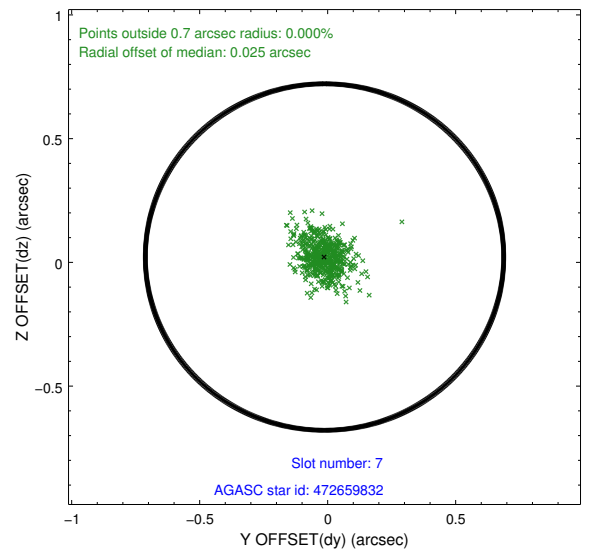
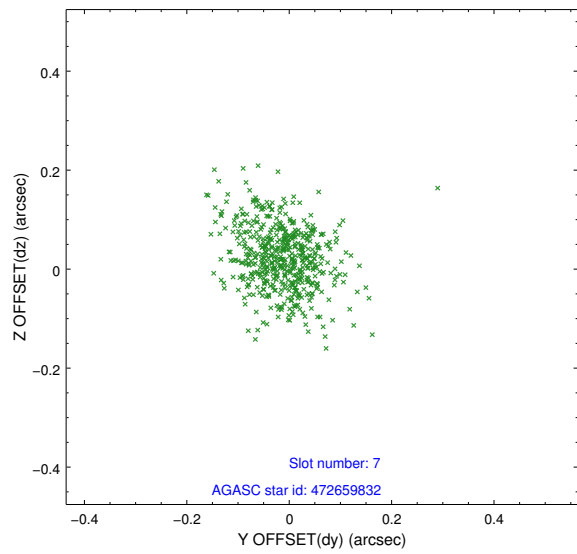
2.4.3 Slot 5



2.4.4 Slot 6

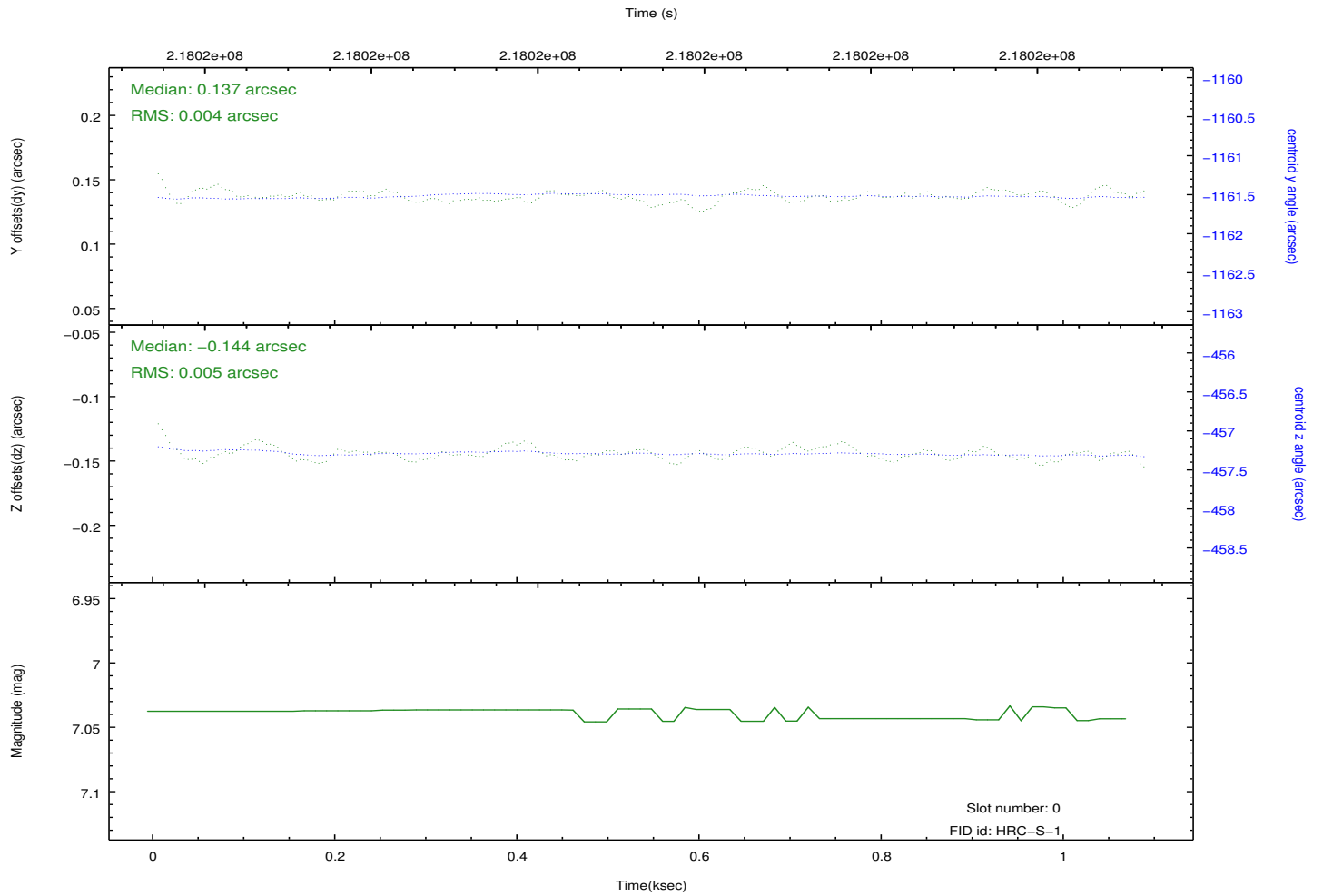
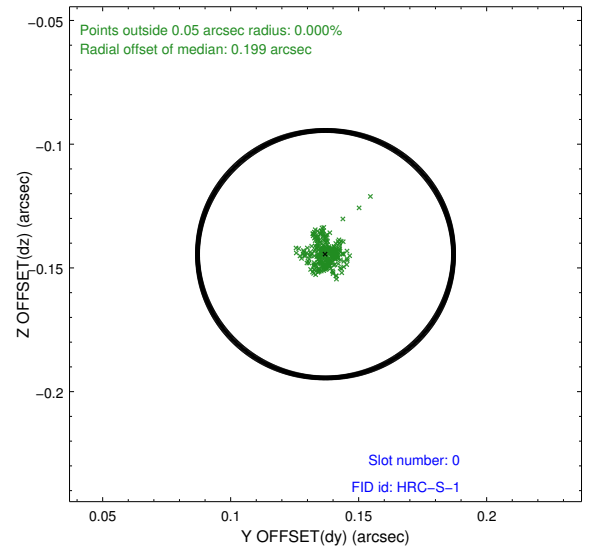
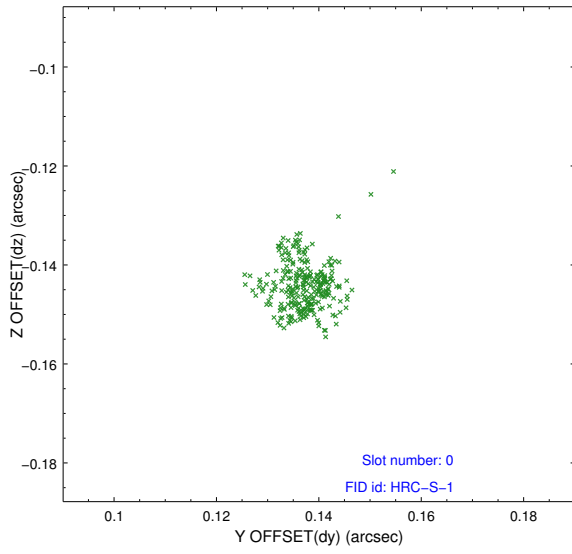


2.4.5 Slot 7

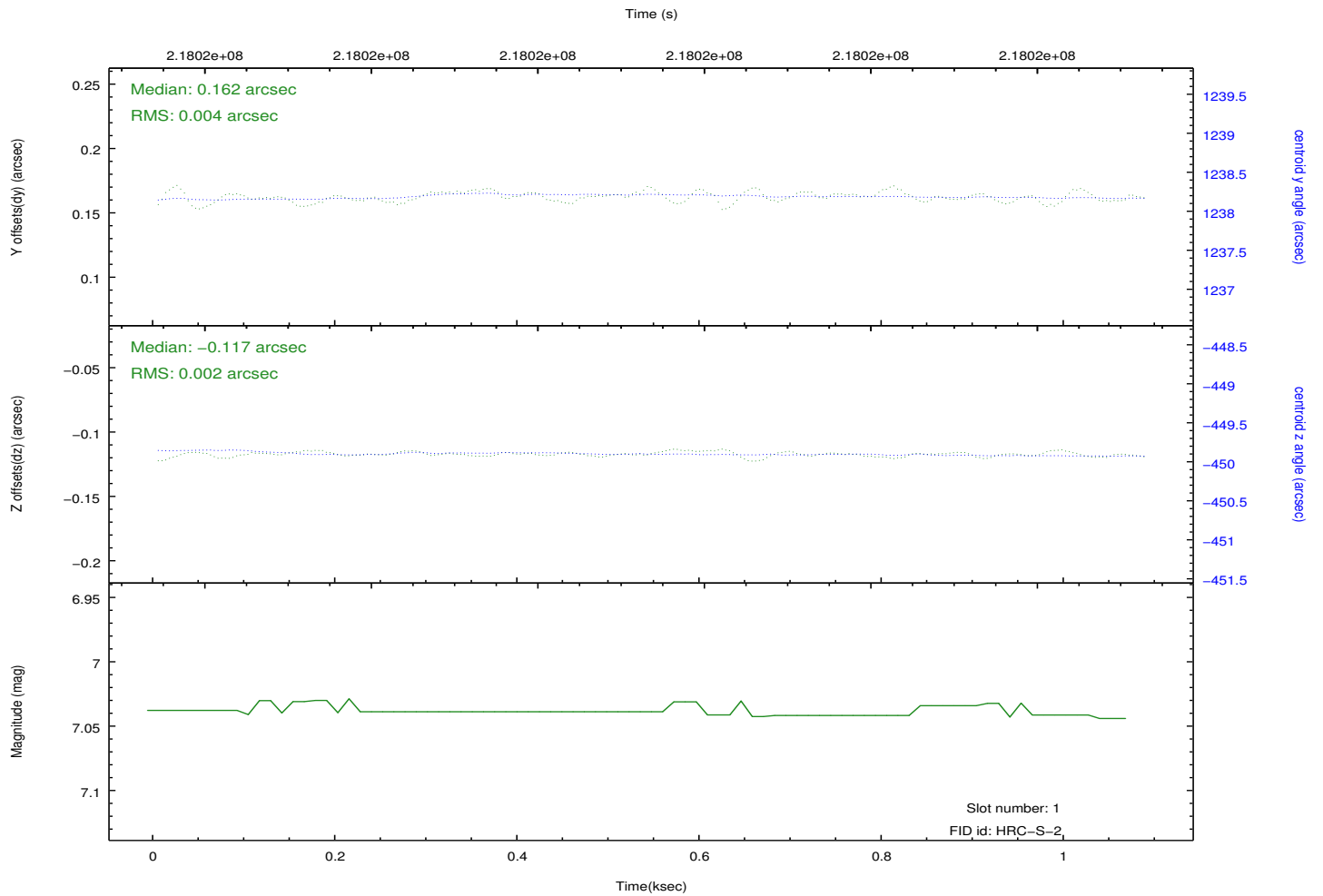
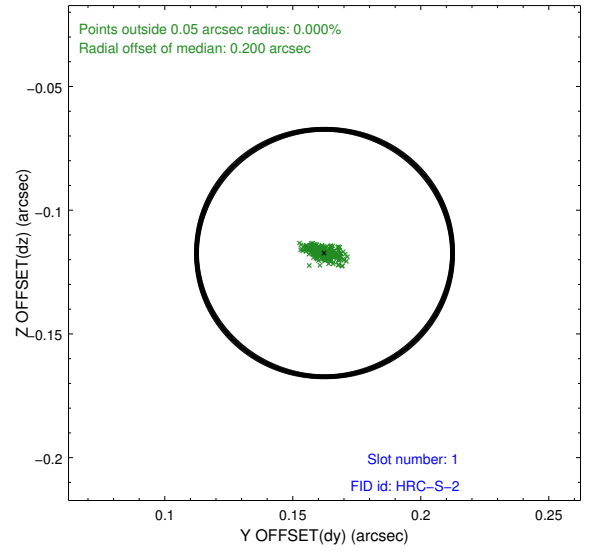
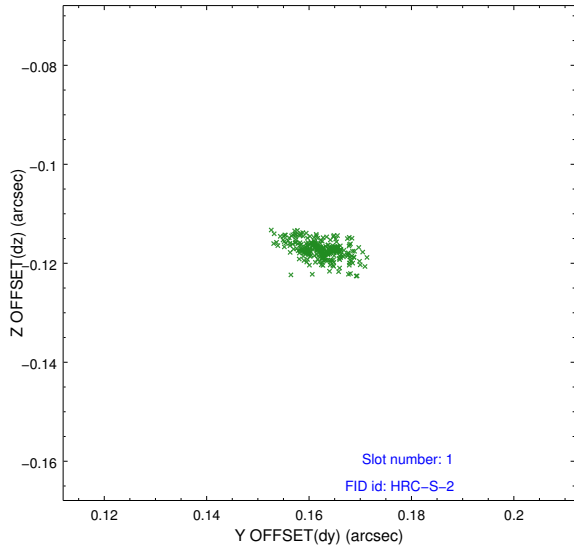


2.5 FID Slots

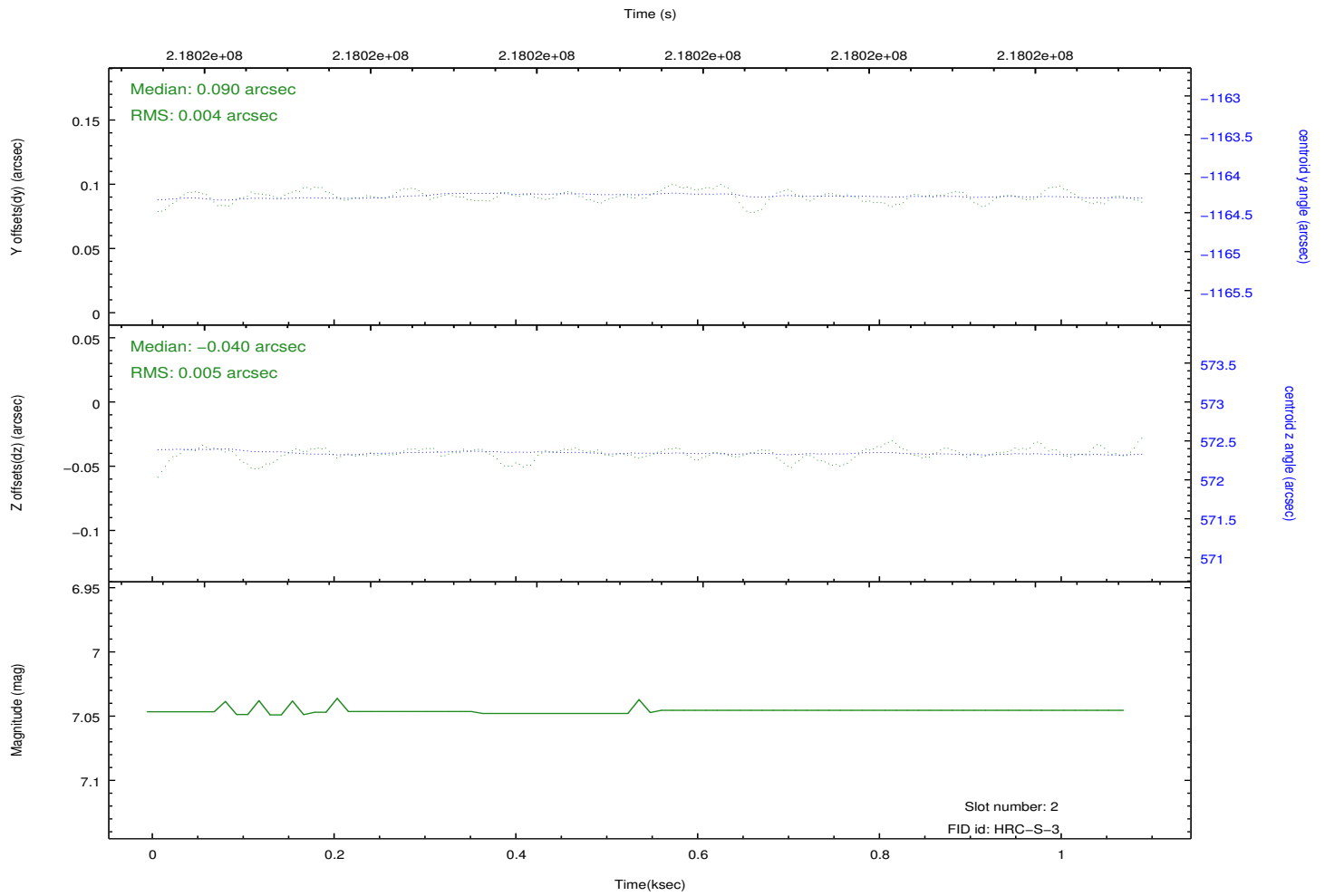
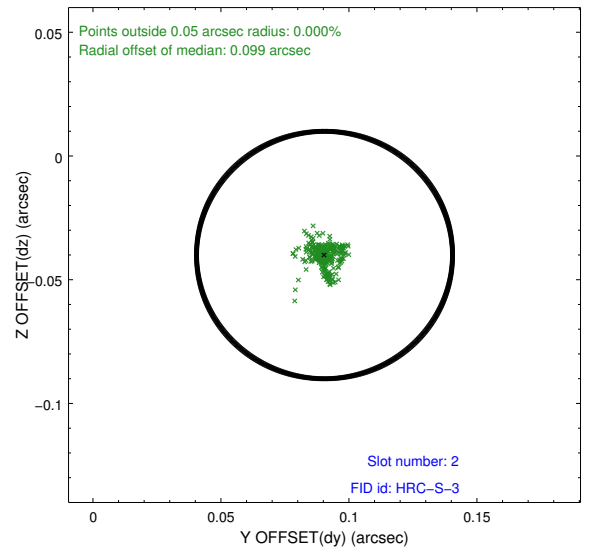
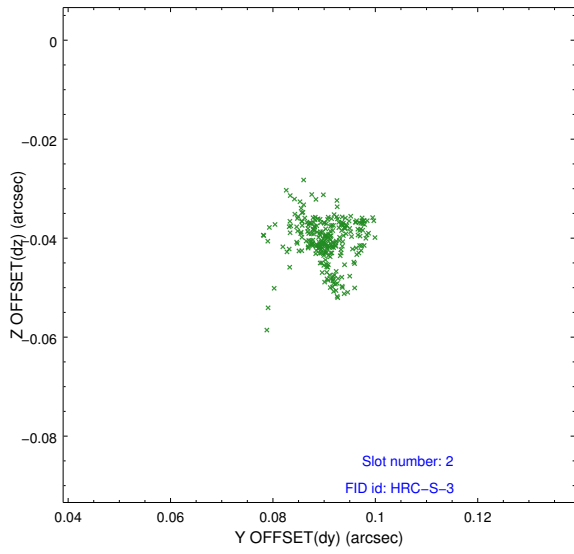
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.05498129

A.2 Comments