

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6477 - L2 Version 3
Chandra X-Ray Center

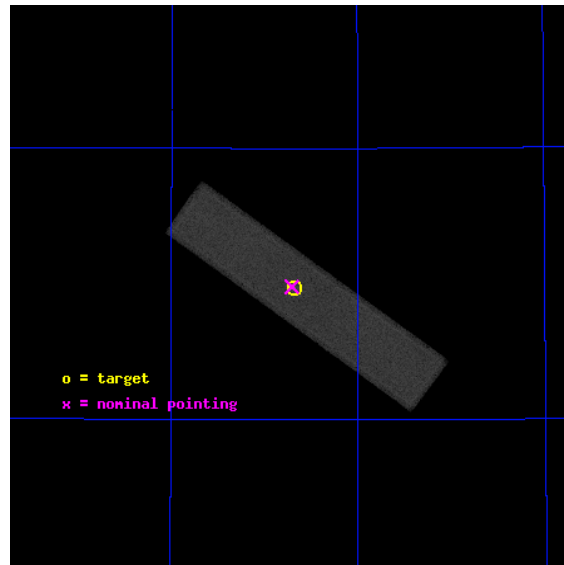
L2 Processing Date : Aug 11 2012

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

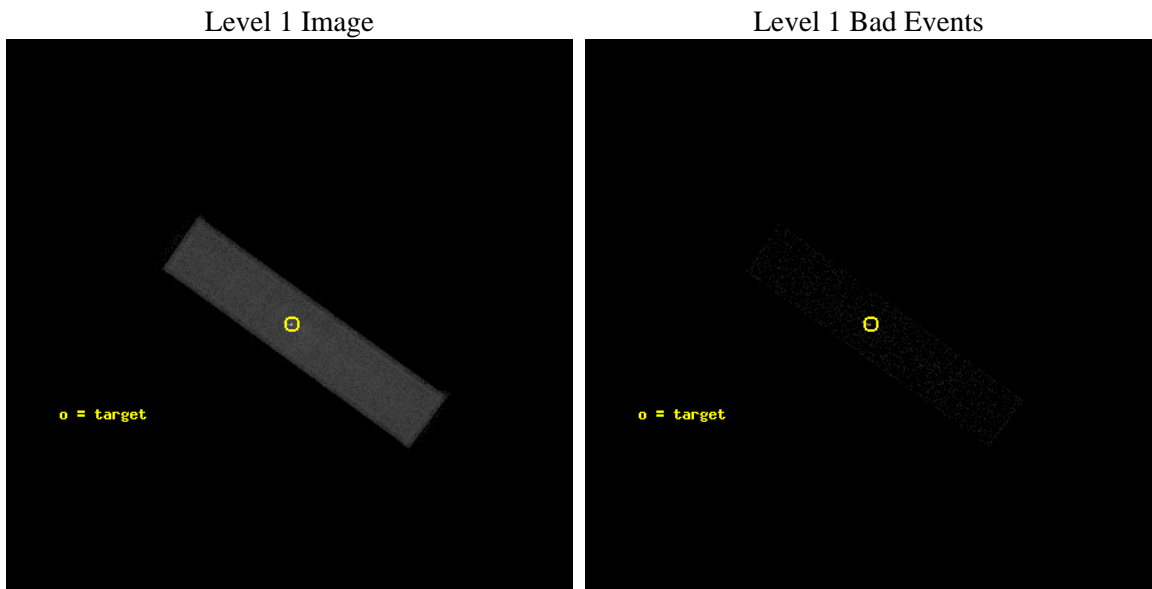
seq_num	290570	Sequence number
obs_id	6477	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17582427061	Nominal RA [deg]
dec_nom	45.744967673297	Nominal Dec [deg]
roll_nom	35.653247630858	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3154.1813967824	[s]
livetime	3128.2565667567	Ontime multiplied by DTCOR
l2events	188872	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	3154.1813967824	[s]
caldsver	4.5.1.1	 	l1events	359757	Number of level 1 events
date	2012-08-11T03:34:41	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

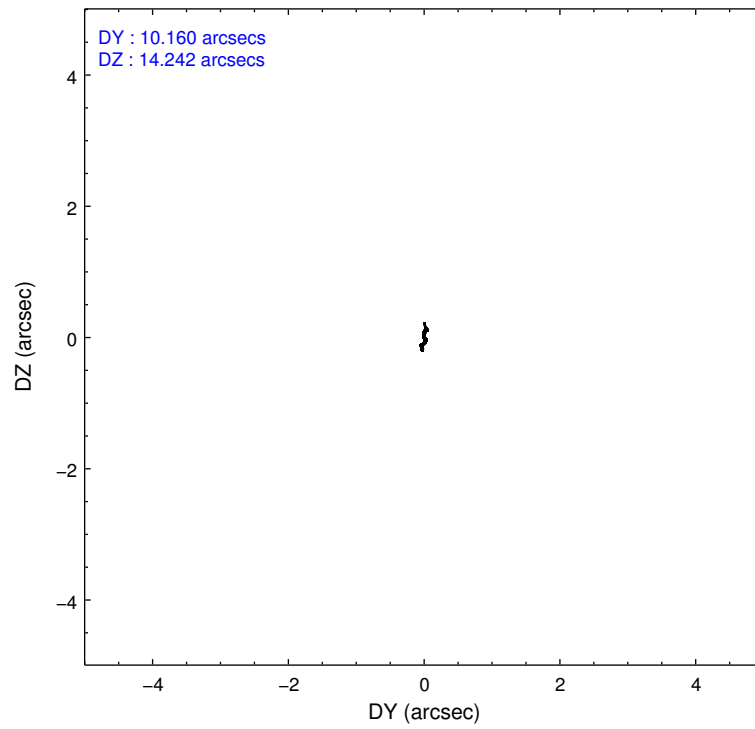
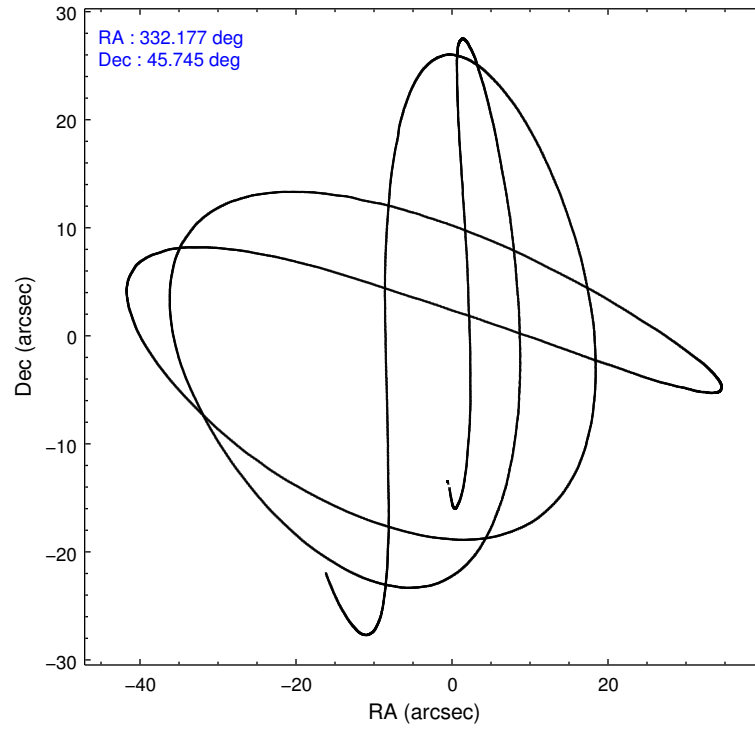
	segment 1	segment 2	segment 3
level 1 events	0	359757	0
rejected events	0	135603	0
rejected %	0%	37%	0%

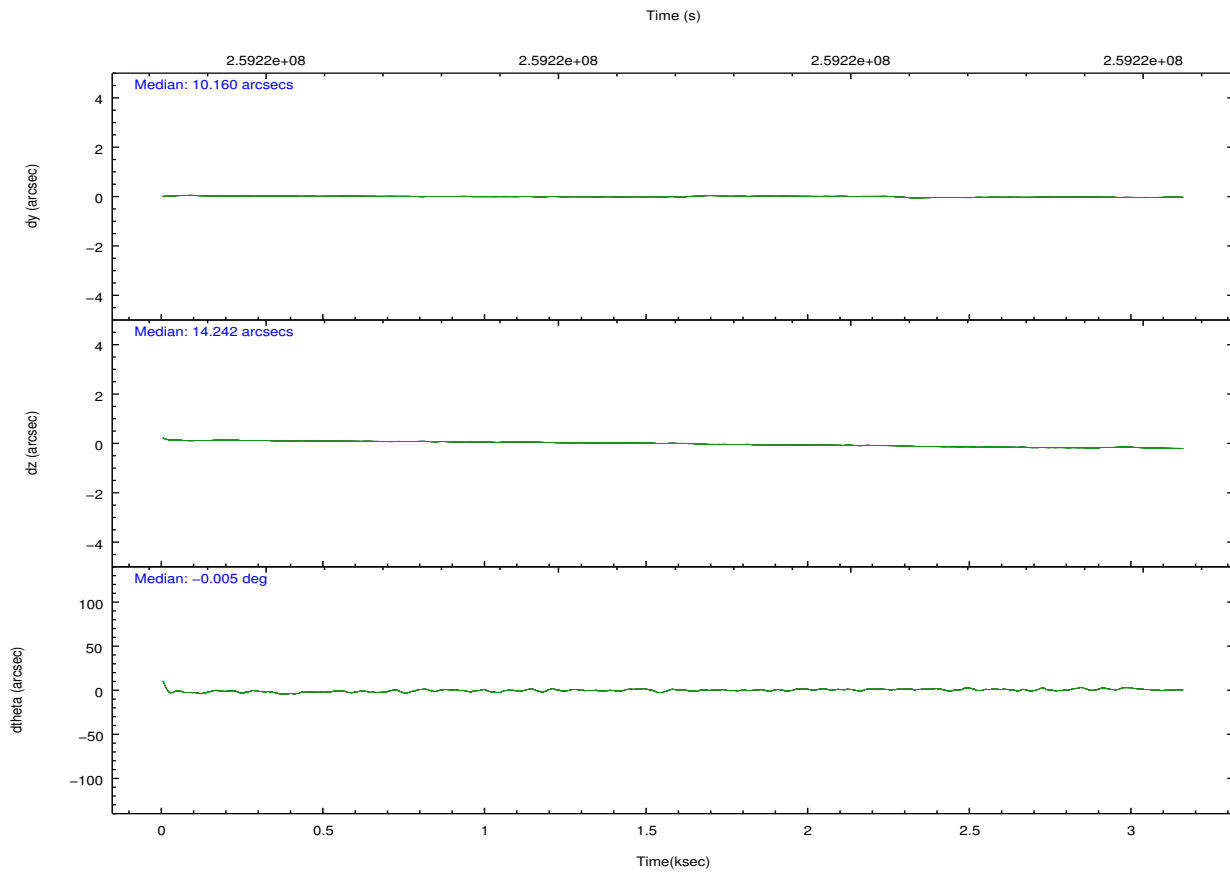
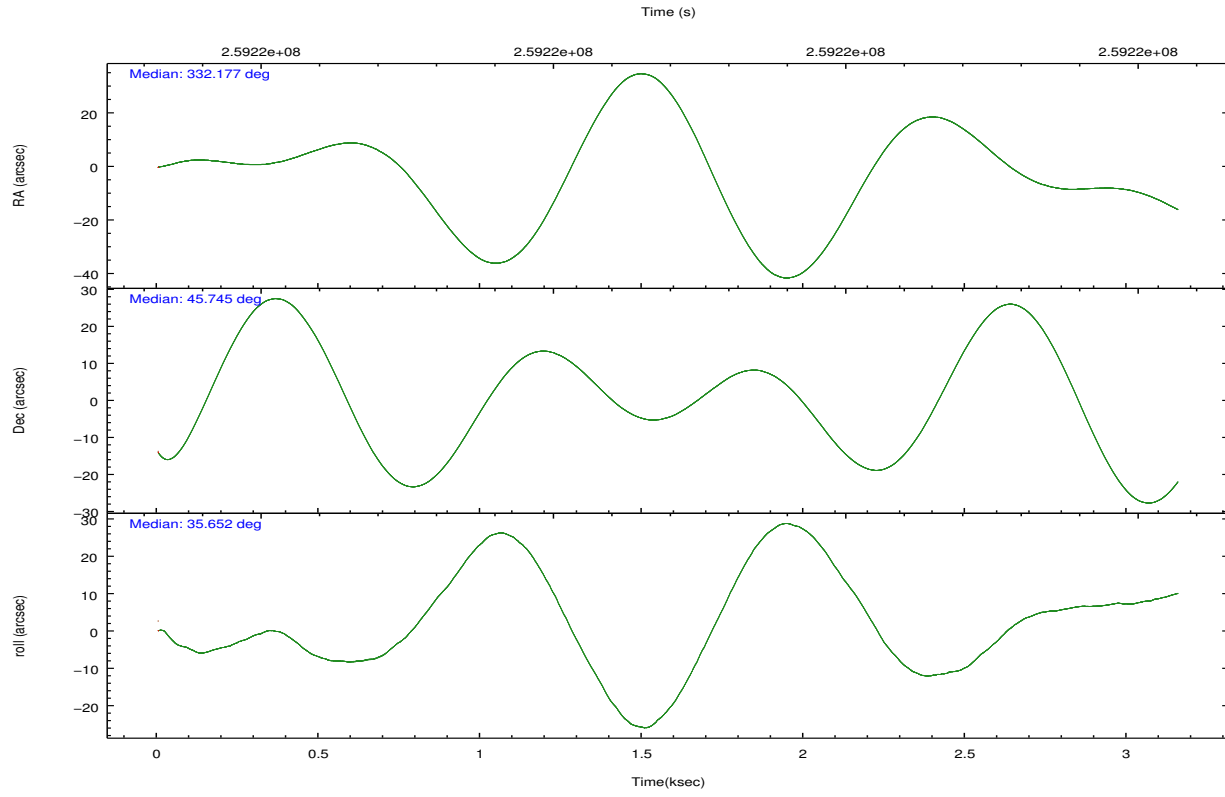
2.2 Compared Parameters

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	332.160538	332.1758242706114
[deg] Pointing Dec	45.718320	45.74496767329707
[deg] Pointing Roll	35.596844	35.65324763085847
[s] Window start time (MET)	255139265.184000	255139265.184000
[s] Window stop time (MET)	260150465.184000	260150465.184000
[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)	259219969.184000	259218339.57964
Observation start date	2006-03-20T05:31:44	2006-03-20T05:05:39
[s] Observation end time (MET)	259222969.184000	259223103.26736
Observation end date	2006-03-20T06:21:44	2006-03-20T06:25:03

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

2.3 Aspect



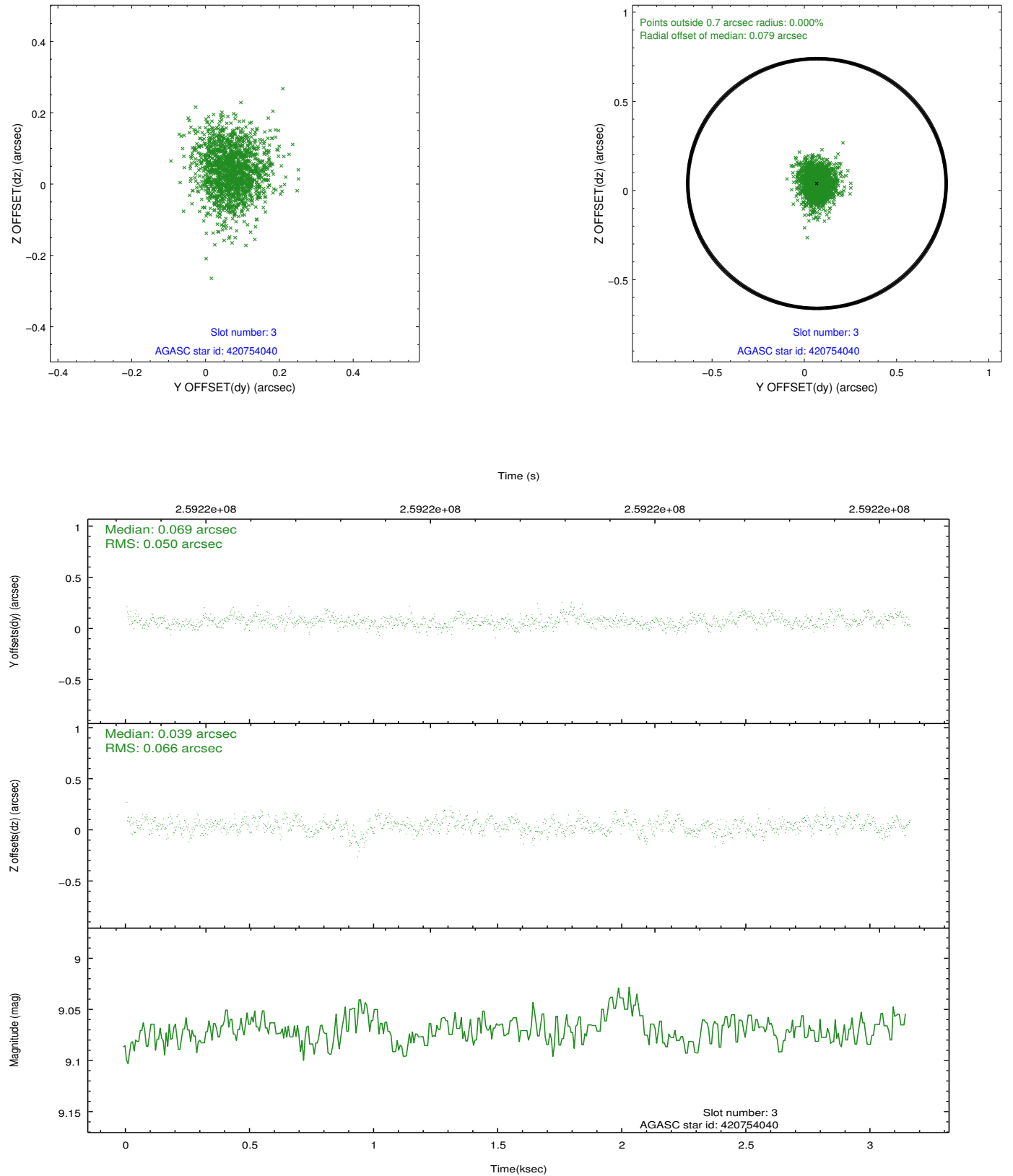


Slot Statistics

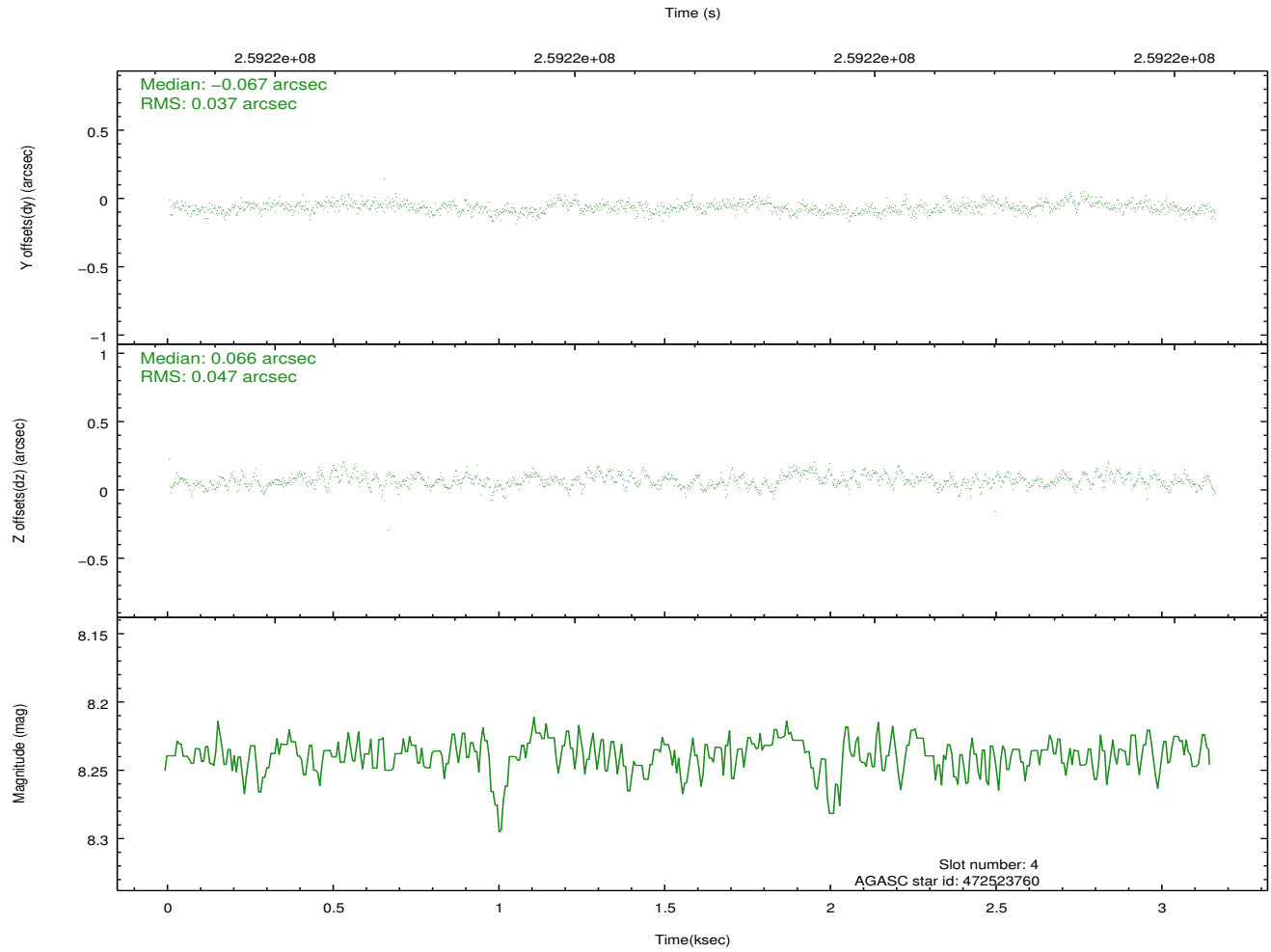
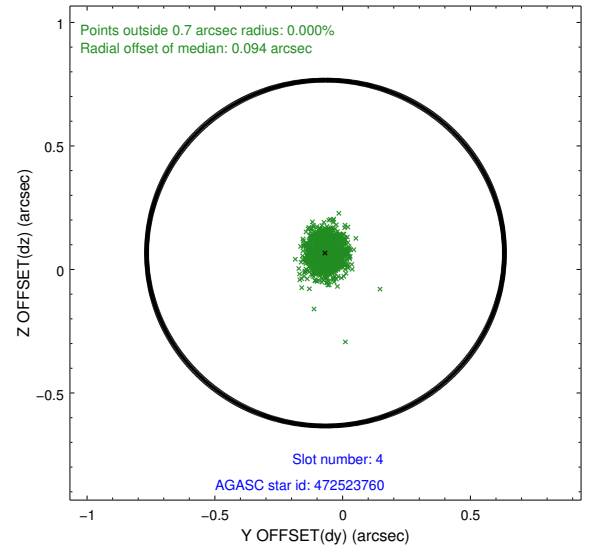
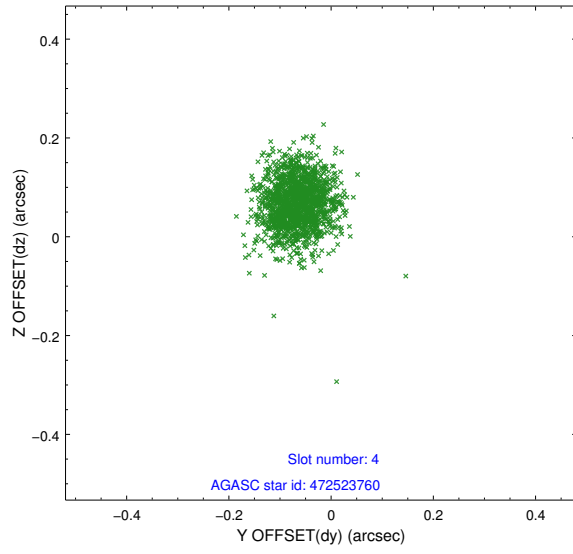
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	770	0.099	-0.215	0.008	0.014	0.000000	0.000000	-1164.38	-463.11
1	FID	HRC-S-3	7.07	770	0.116	0.005	0.010	0.016	0.000000	0.000000	-1168.62	566.02
2	FID	HRC-S-4	7.02	770	0.173	-0.087	0.006	0.010	0.000000	0.000000	1232.38	569.88
3	GUIDE	420754040	9.07	1539	0.069	0.039	0.087	0.146	331.917939	44.882543	-2253.69	-2085.33
4	GUIDE	472523760	8.24	1540	-0.067	0.066	0.062	0.102	331.645363	45.403260	-1718.60	-161.66
5	GUIDE	472665256	9.02	1539	-0.190	0.040	0.077	0.132	332.808125	46.195041	2313.26	462.06
6	GUIDE	472525528	6.62	1540	0.094	-0.035	0.084	0.131	331.551102	45.248694	-2235.47	-470.09
7	GUIDE	472659832	9.47	1539	0.093	-0.108	0.094	0.158	332.780399	46.098139	2055.84	216.21

2.4 Star Slots

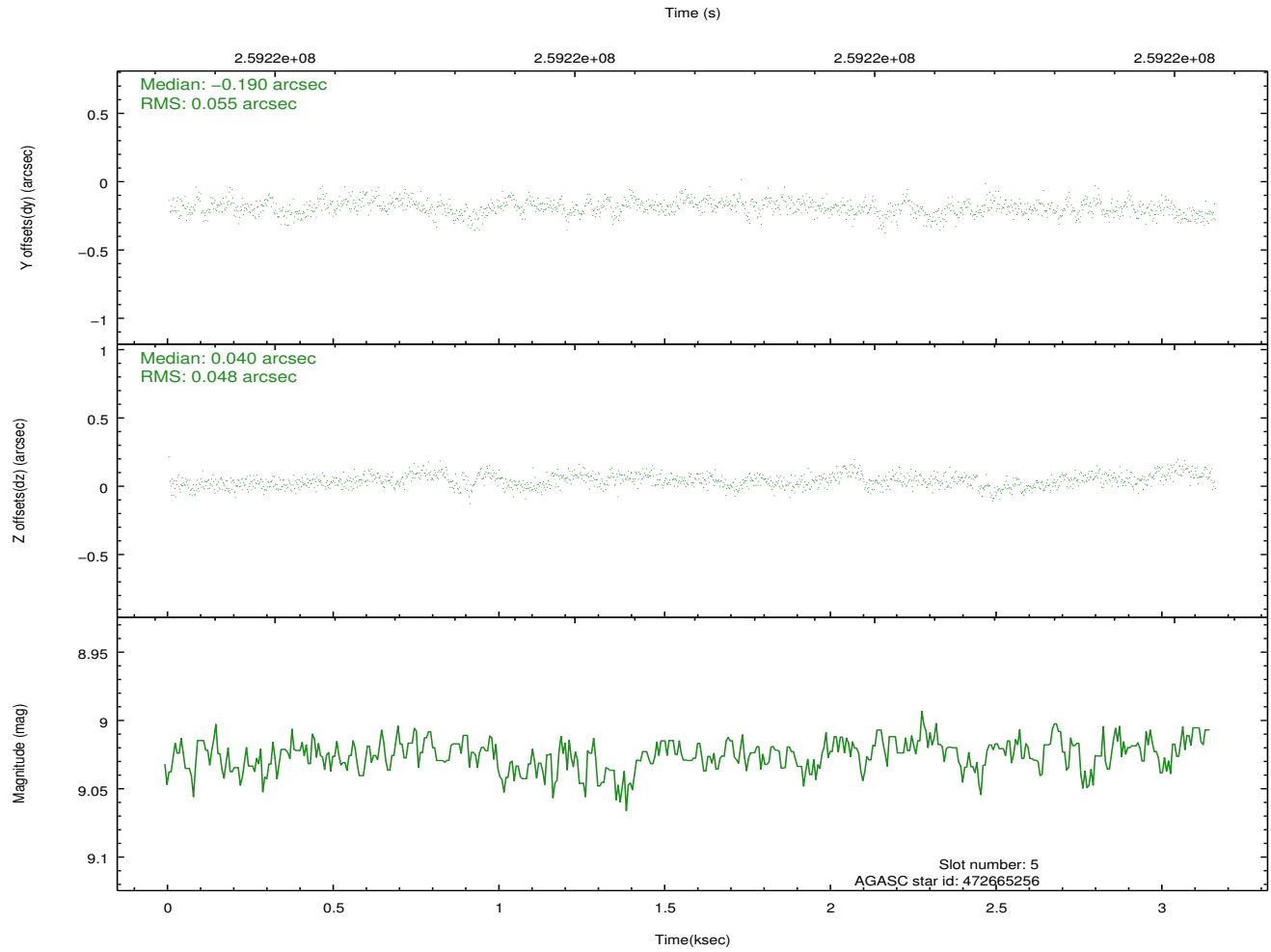
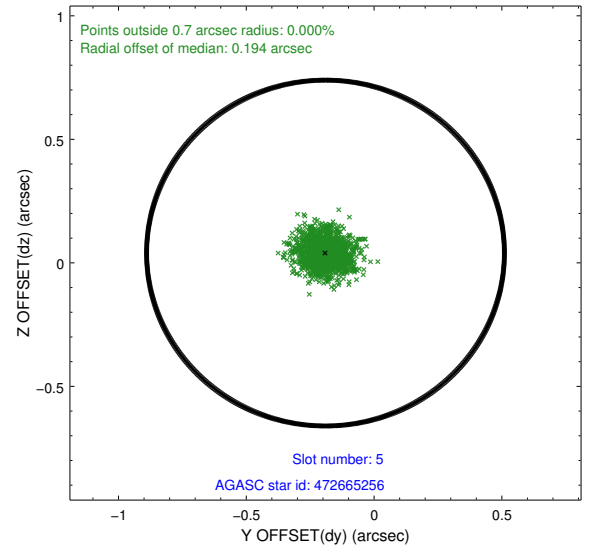
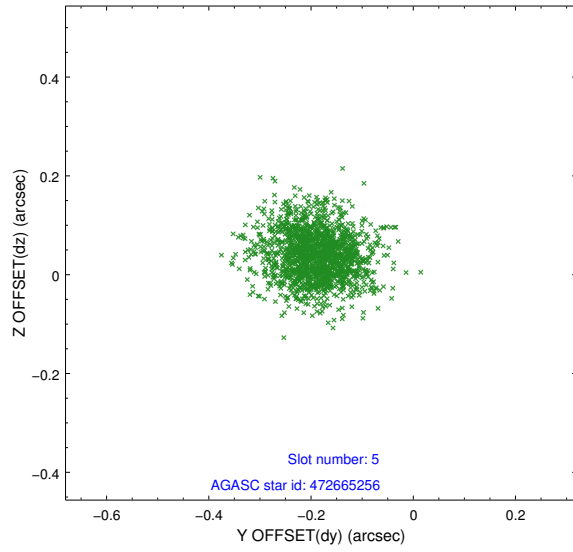
2.4.1 Slot 3



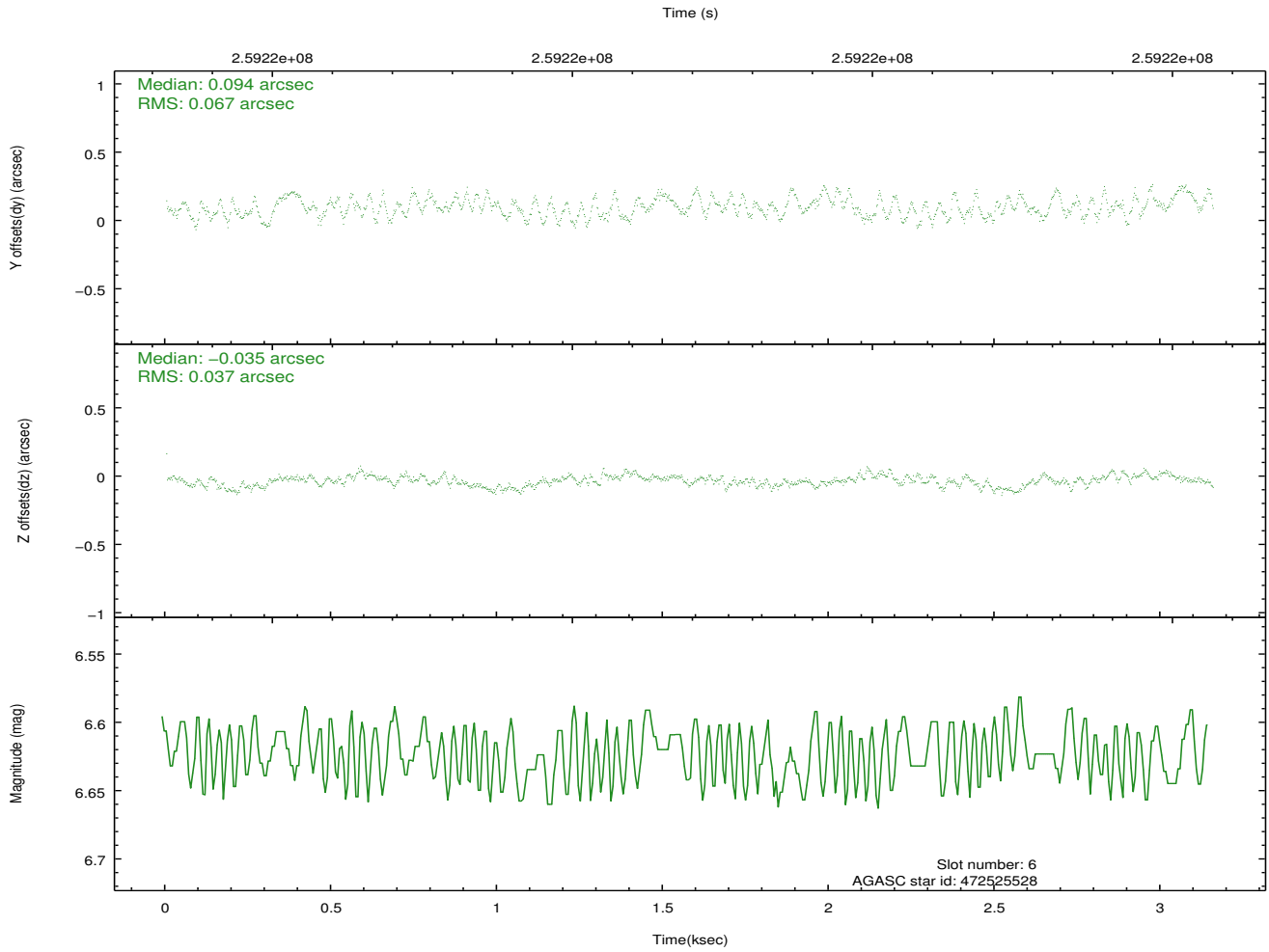
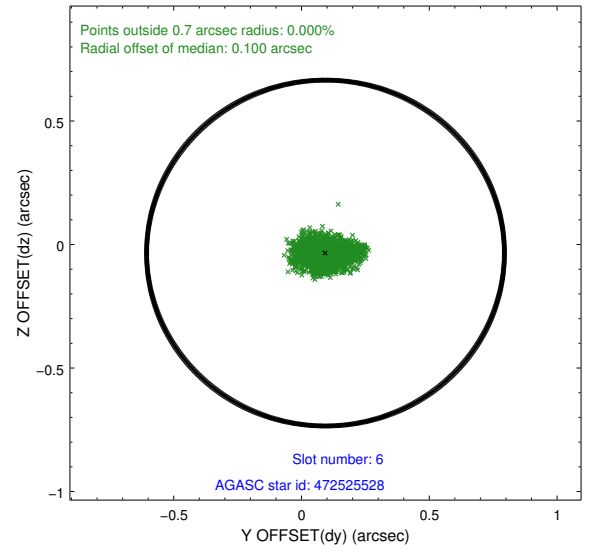
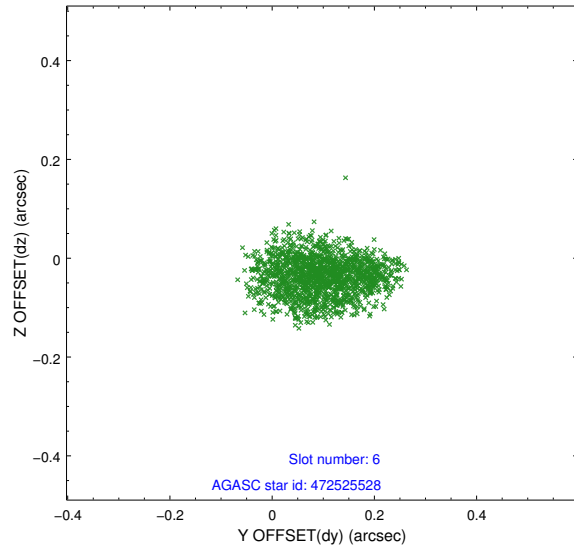
2.4.2 Slot 4



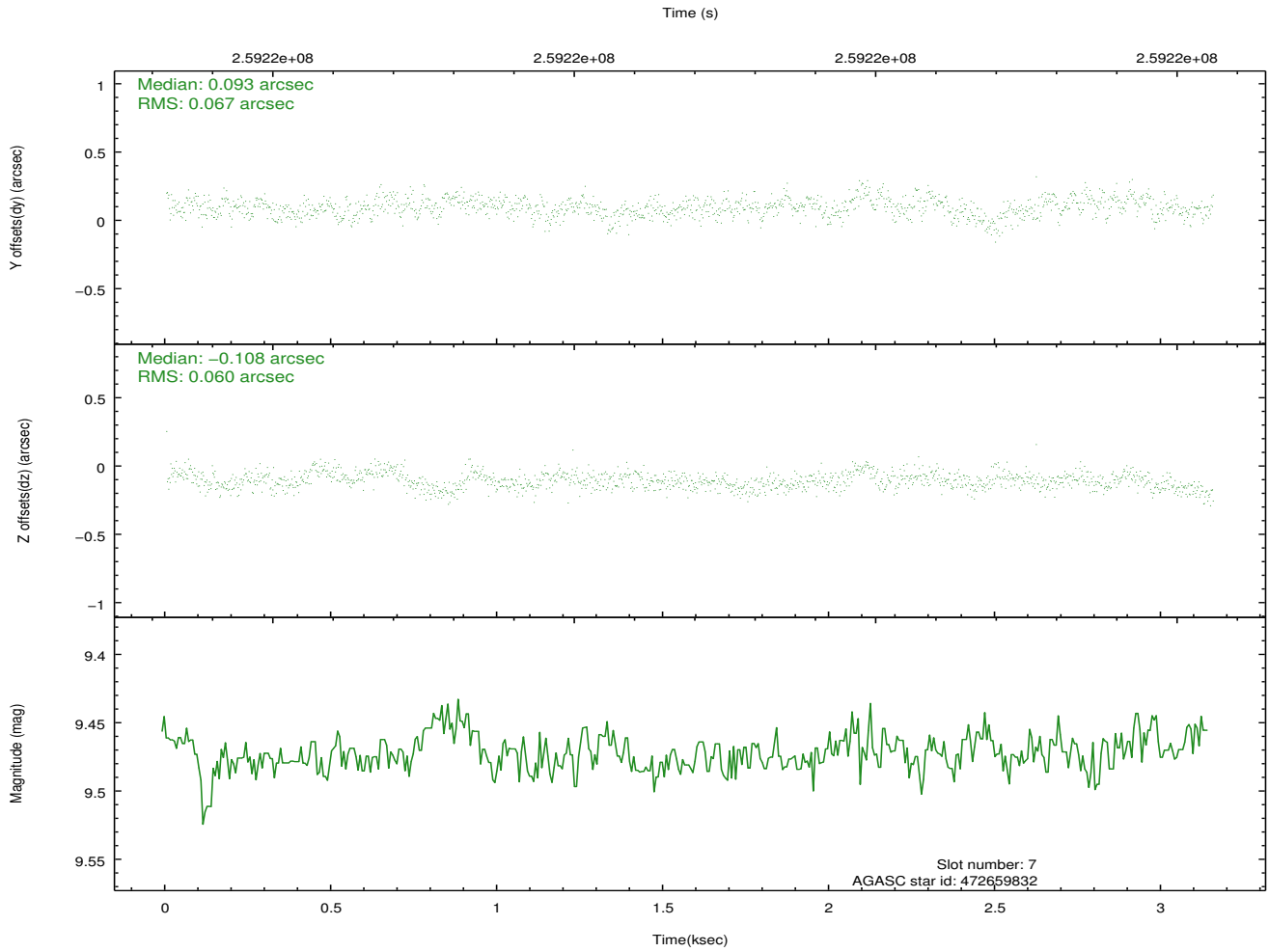
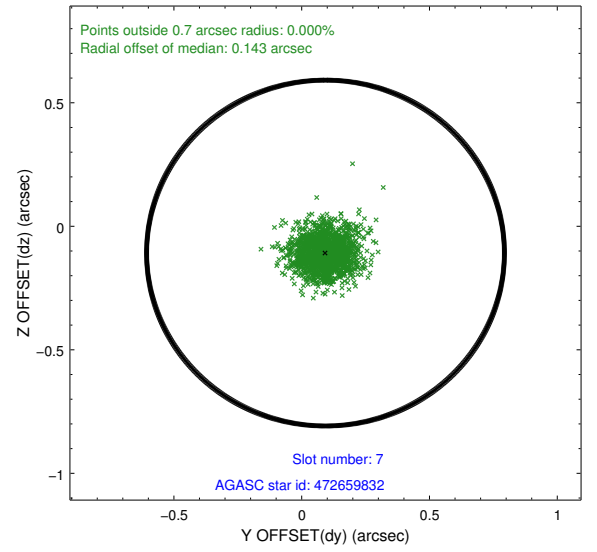
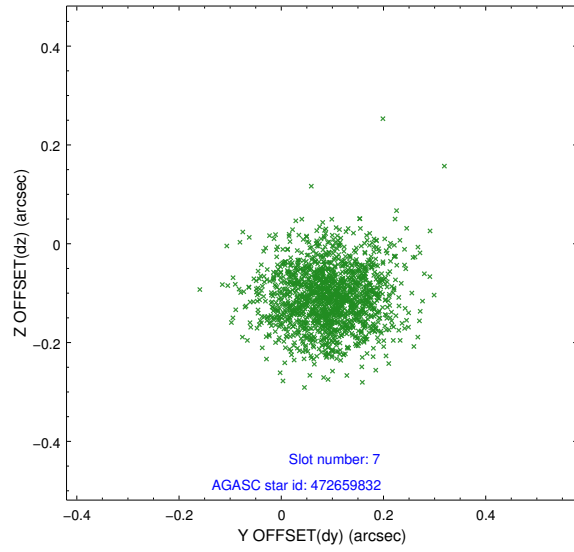
2.4.3 Slot 5



2.4.4 Slot 6

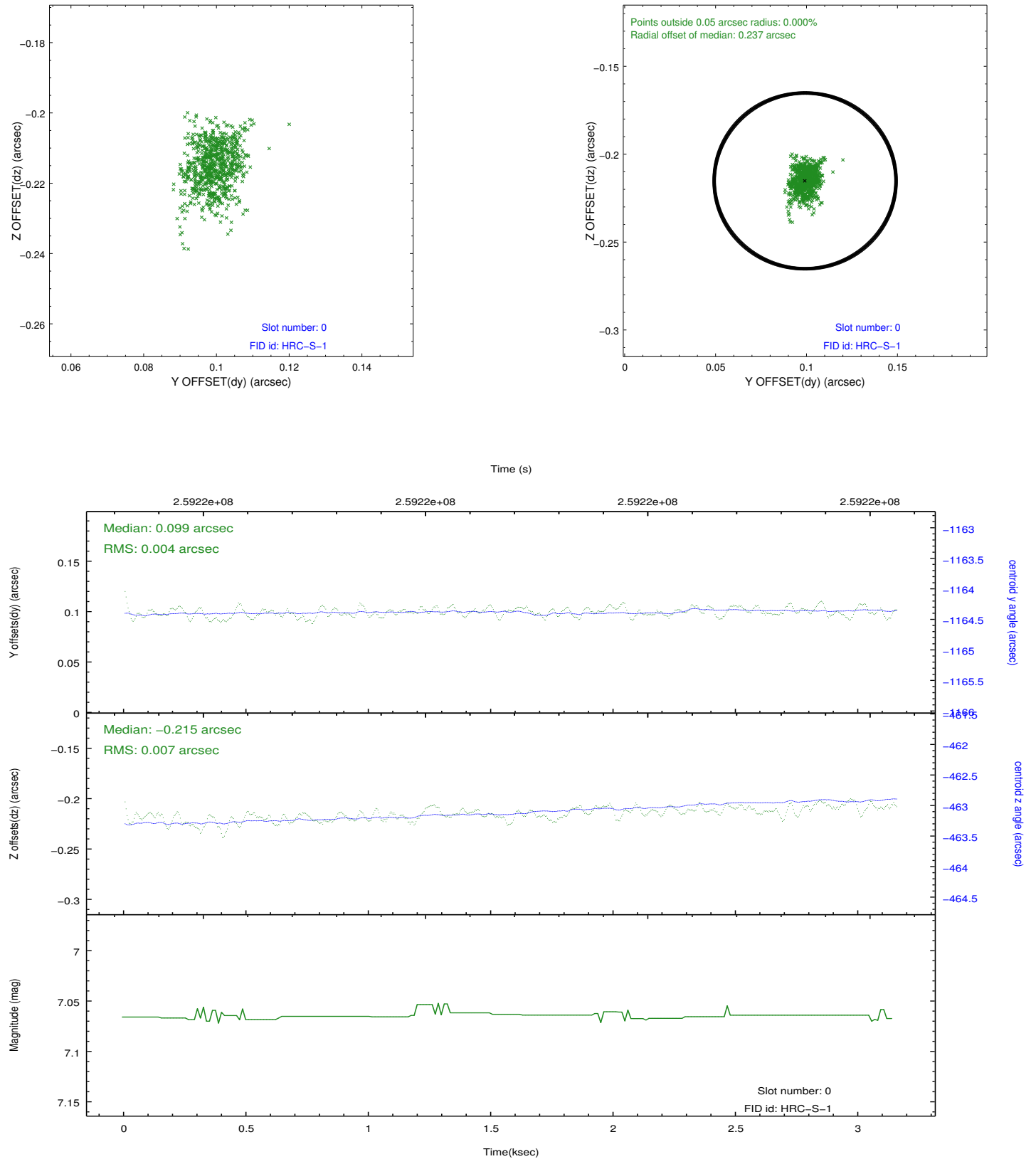


2.4.5 Slot 7

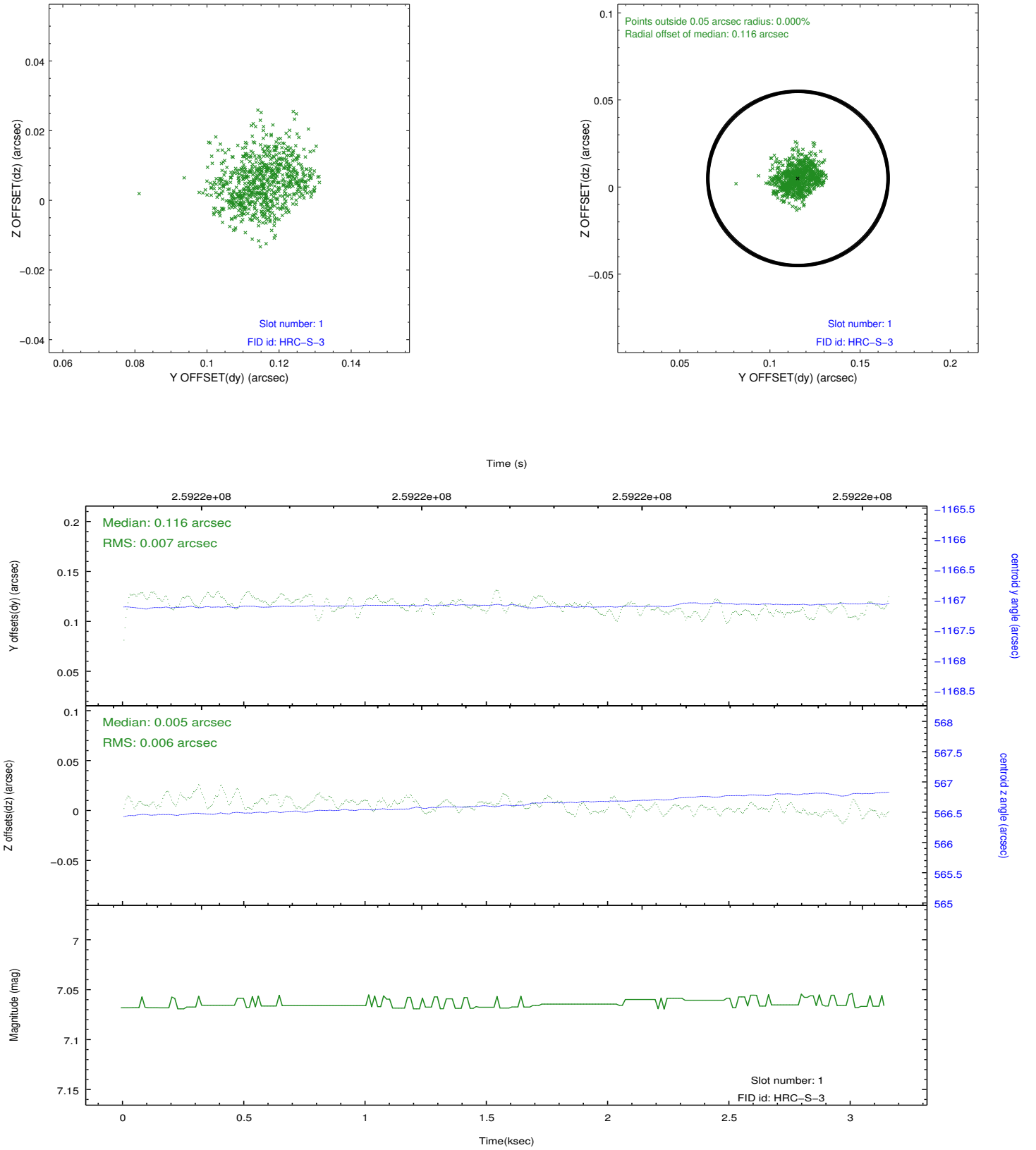


2.5 FID Slots

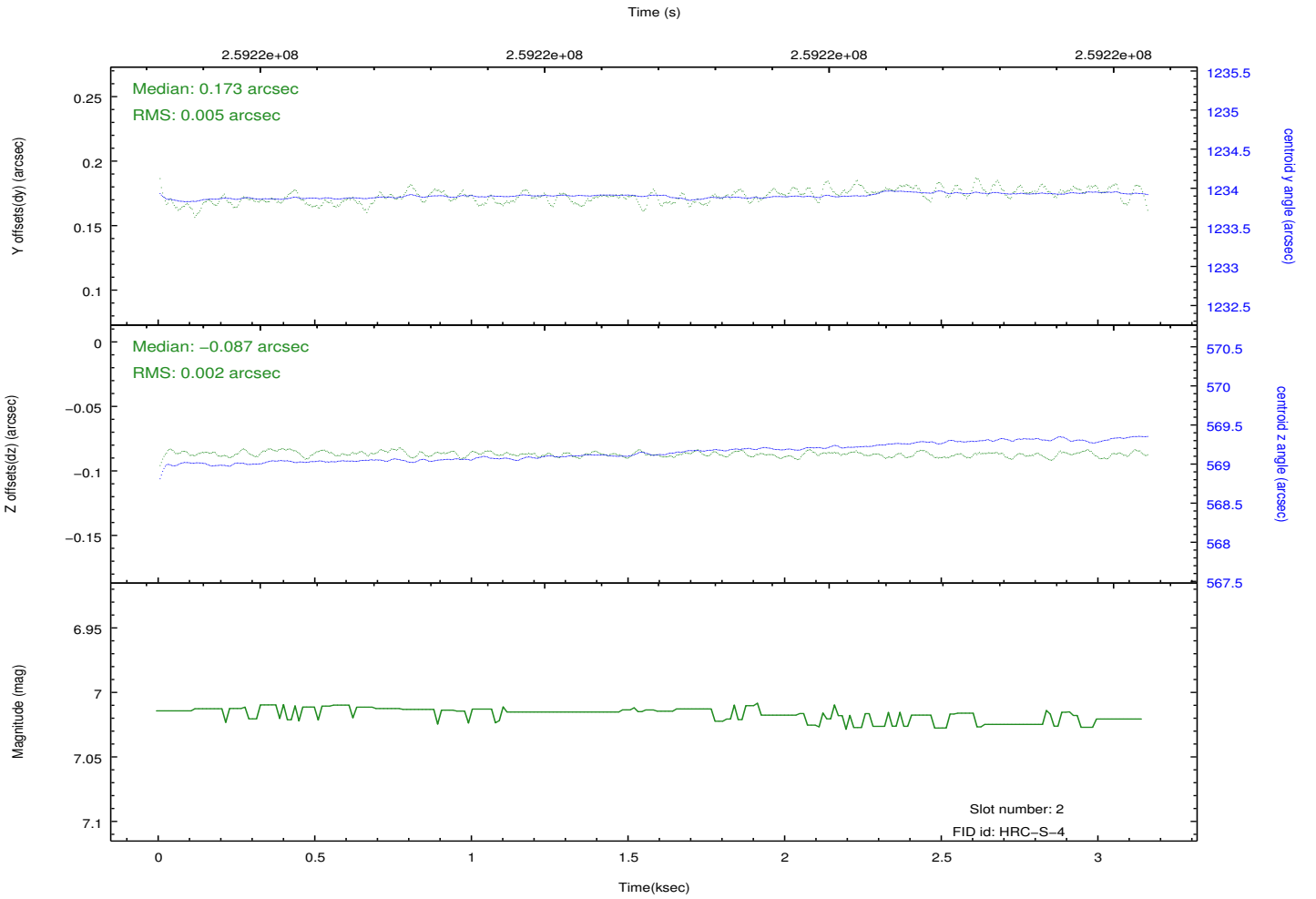
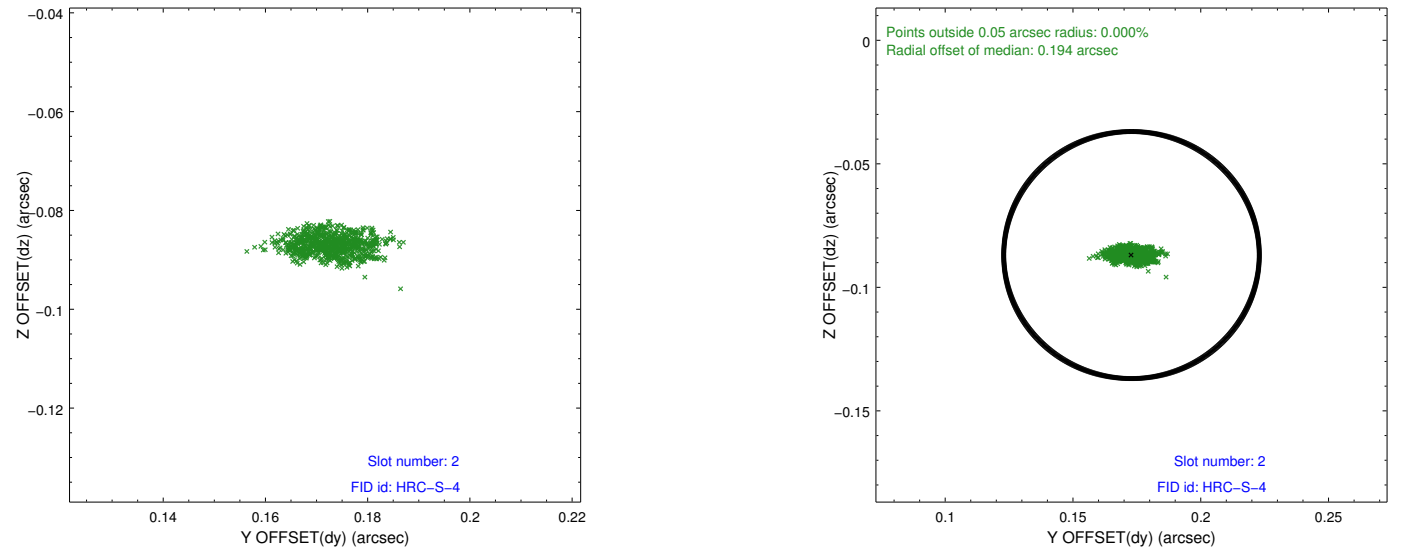
2.5.1 Slot 0



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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.15418139

A.2 Comments

Window constraint met.