

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5108 - L2 Version 3
Chandra X-Ray Center

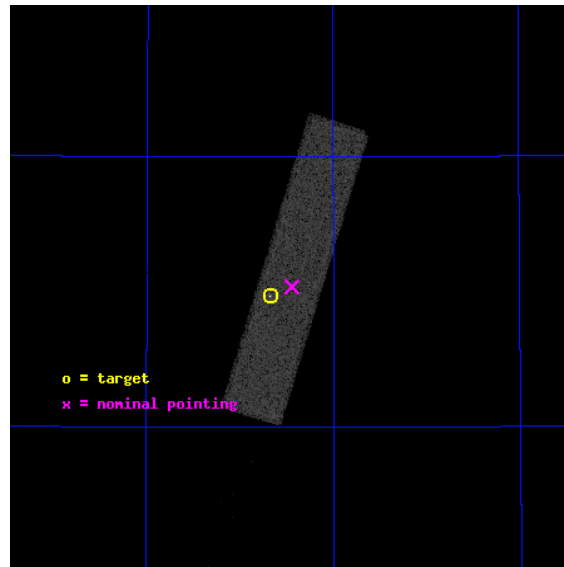
L2 Processing Date : Dec 12 2012

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

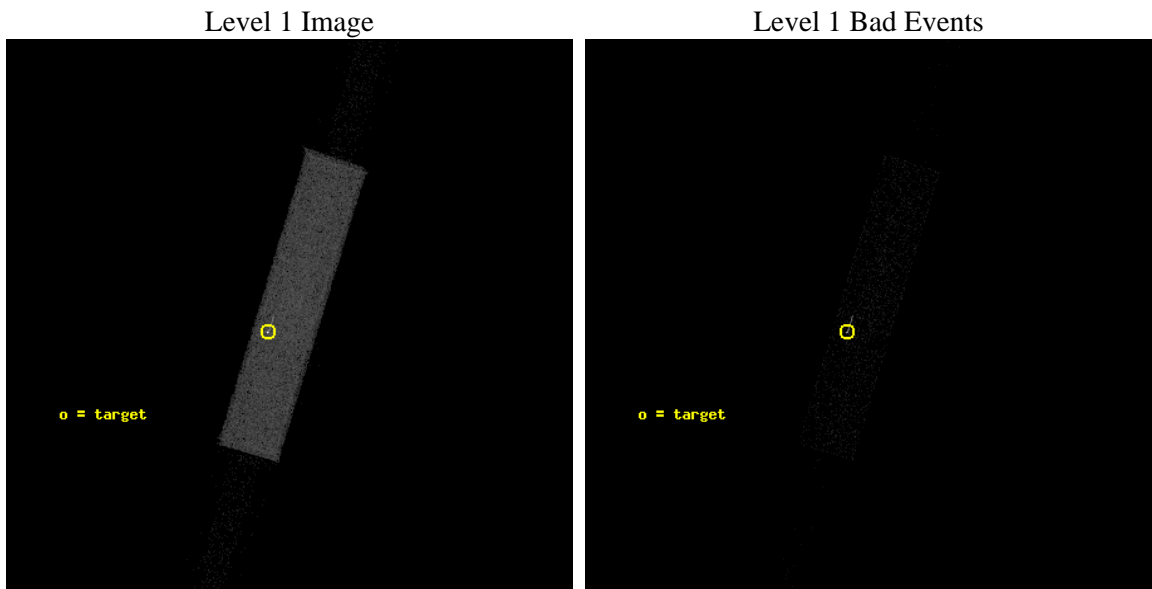
seq_num	290381	Sequence number
obs_id	5108	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11128746319	Nominal RA [deg]
dec_nom	45.759788930564	Nominal Dec [deg]
roll_nom	286.96802479504	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1061.1312977374	[s]
livetime	1053.9154534978	Ontime multiplied by DTCOR
l2events	50368	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	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1061.1312977374	[s]
caldbver	4.5.4	 	l1events	82725	Number of level 1 events
date	2012-12-12T00:11:00	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

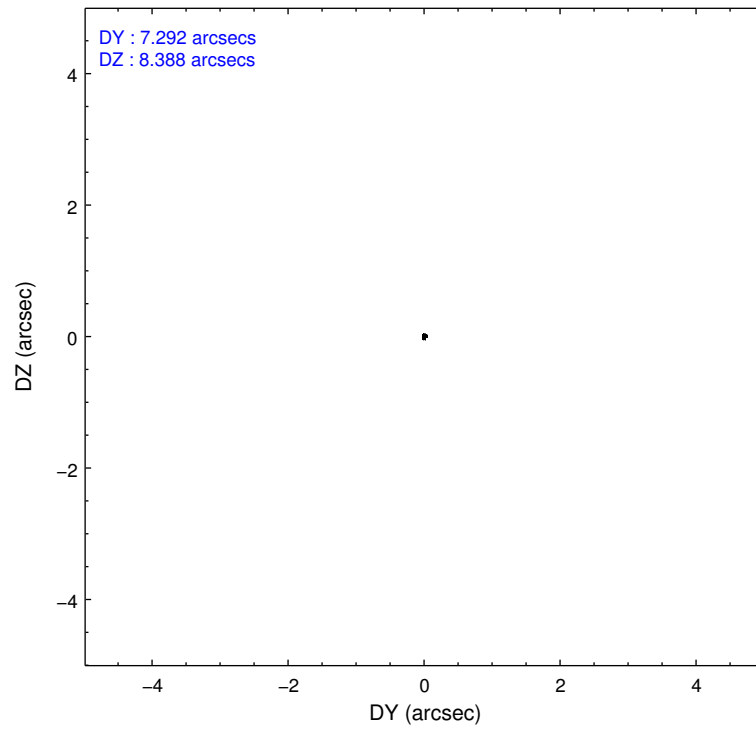
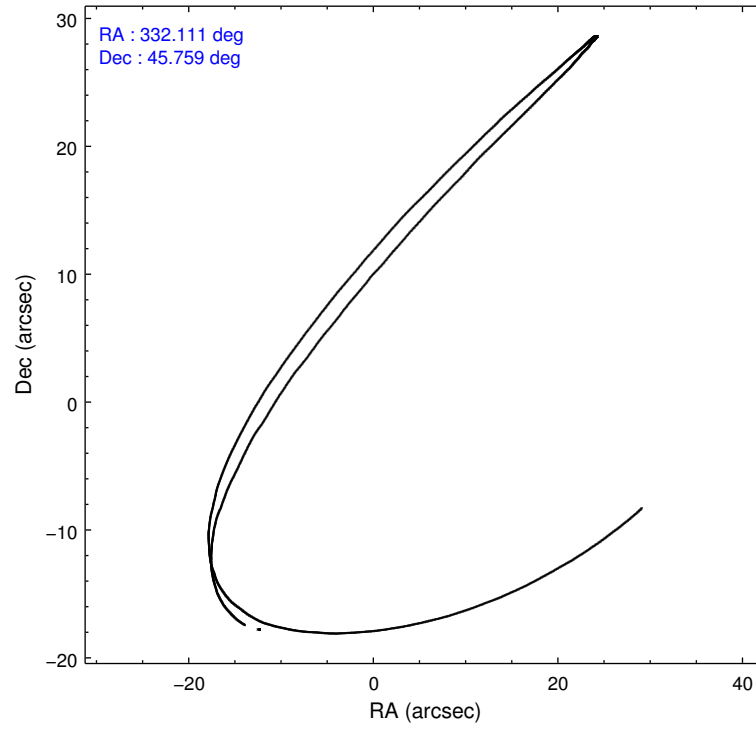
Level 1 Events

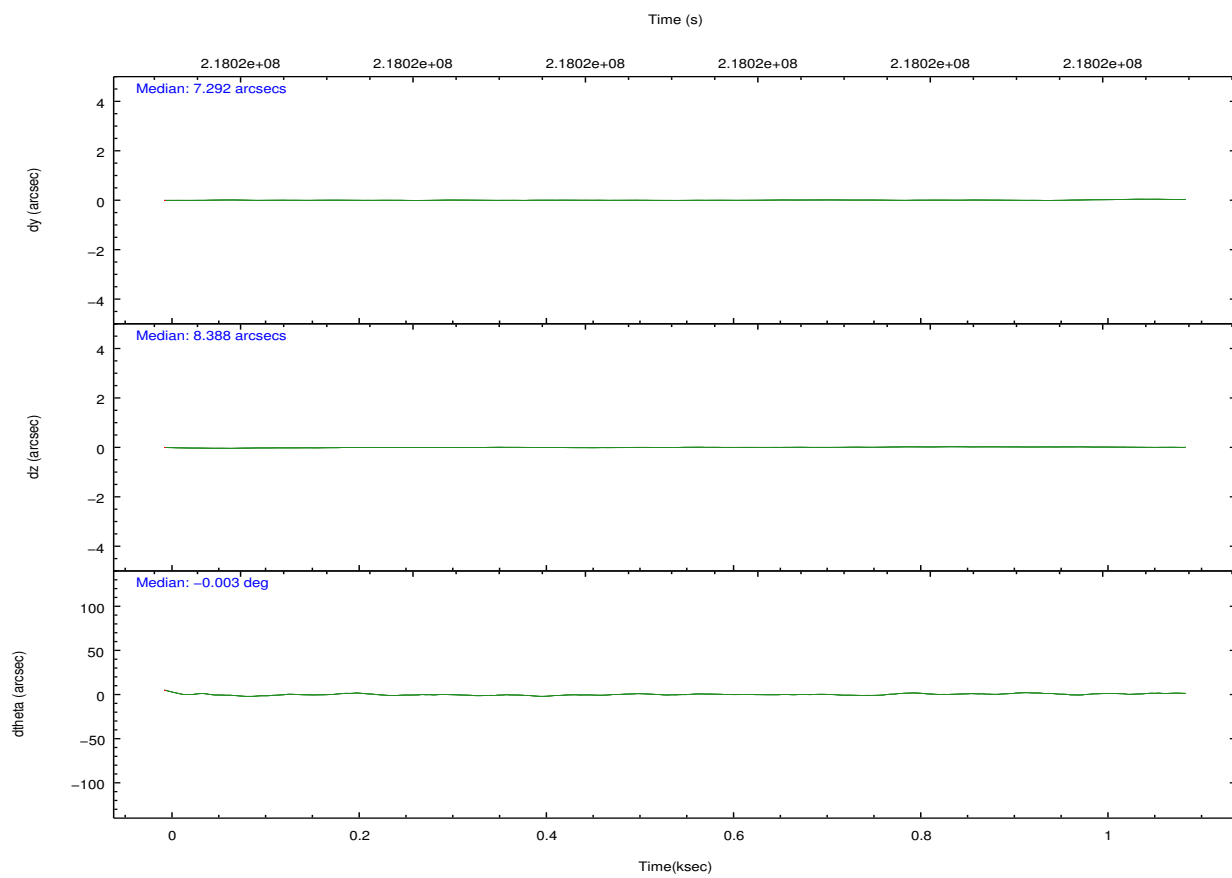
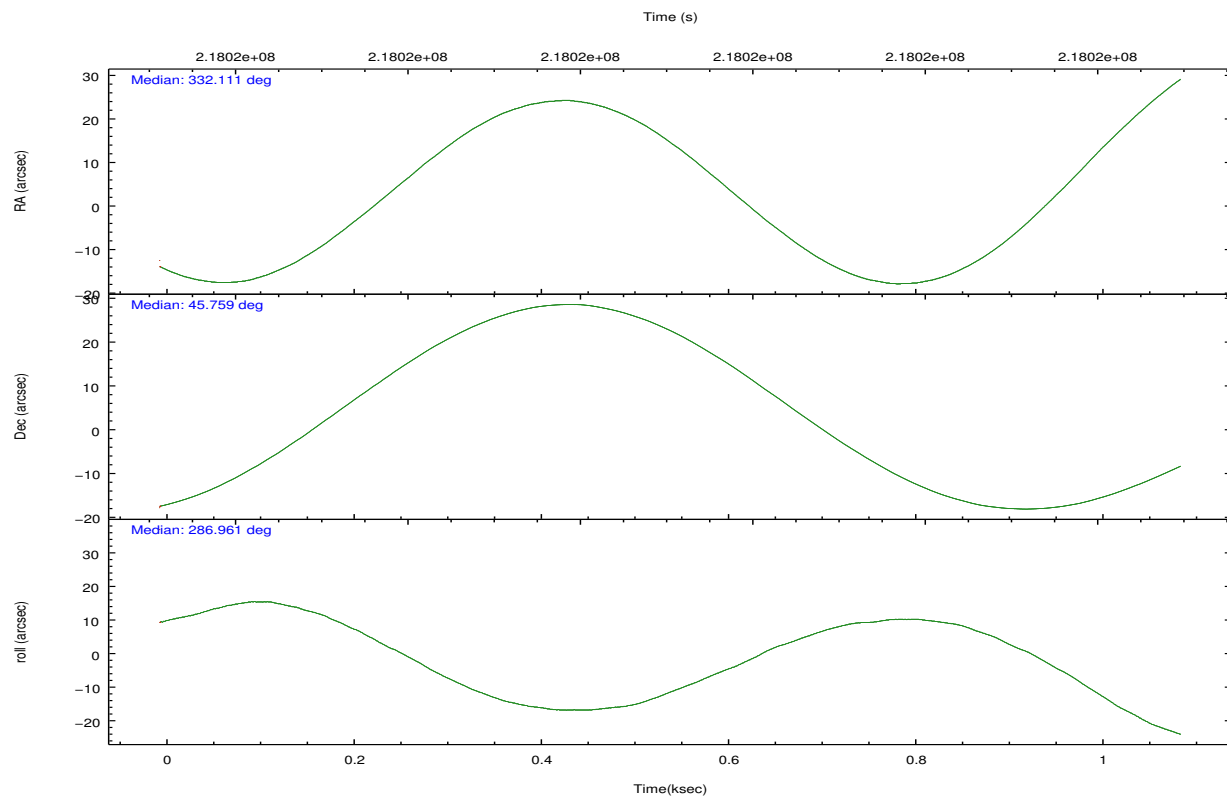
	segment 1	segment 2	segment 3
level 1 events	714	81293	718
rejected events	714	19635	700
rejected %	100%	24%	97%

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	332.080858	332.1112874631914			
[deg] Pointing Dec	45.778468	45.75978893056355			
[deg] Pointing Roll	286.922492	286.9680247950357			
[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)	218017143.184000	218016767.34361			
Observation start date	2004-11-28T08:17:59	2004-11-28T08:12:47			
[s] Observation end time (MET)	218018043.184000	218018176.71867			
Observation end date	2004-11-28T08:32:59	2004-11-28T08:36:16			

2.3 Aspect



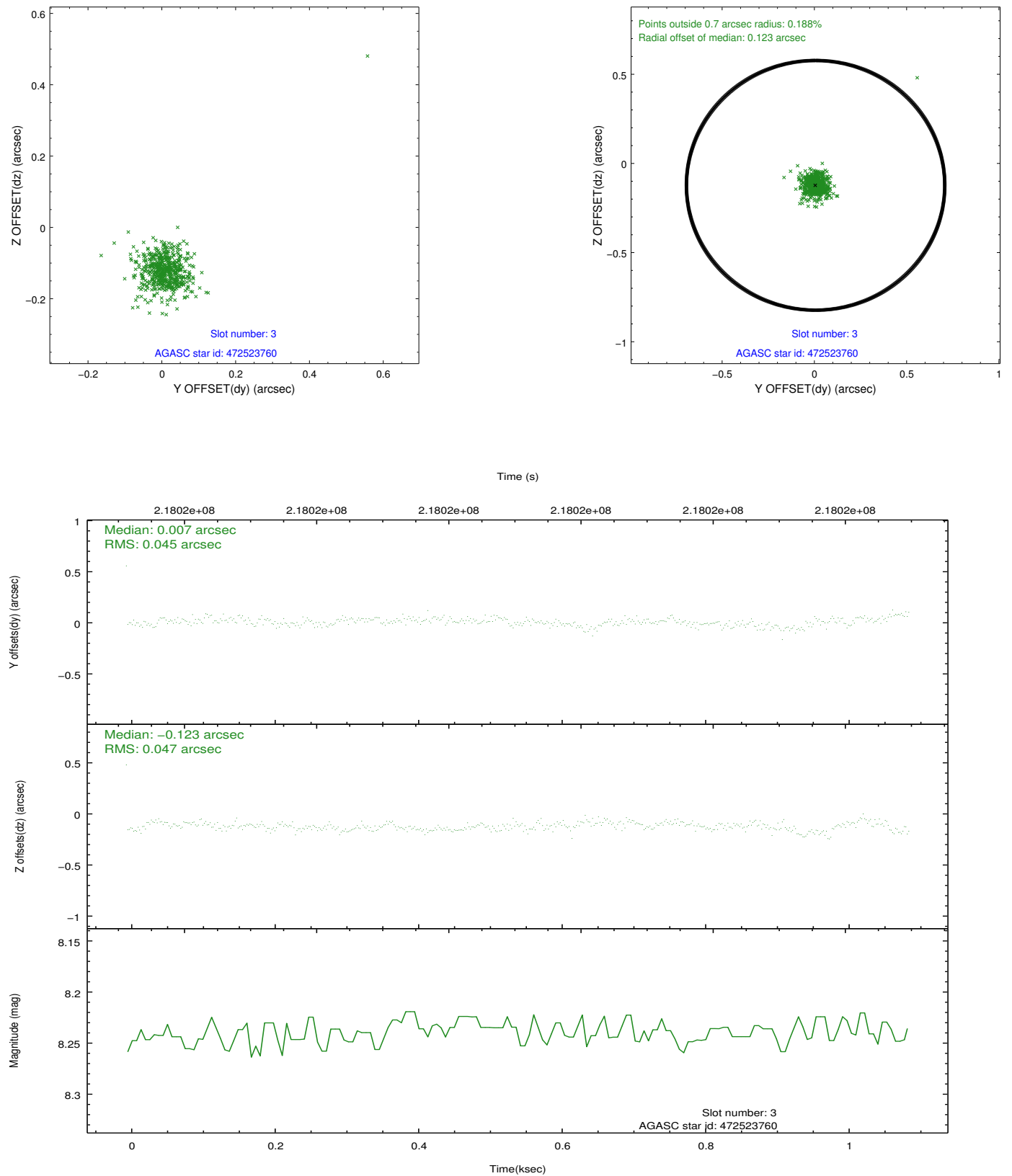


Slot Statistics

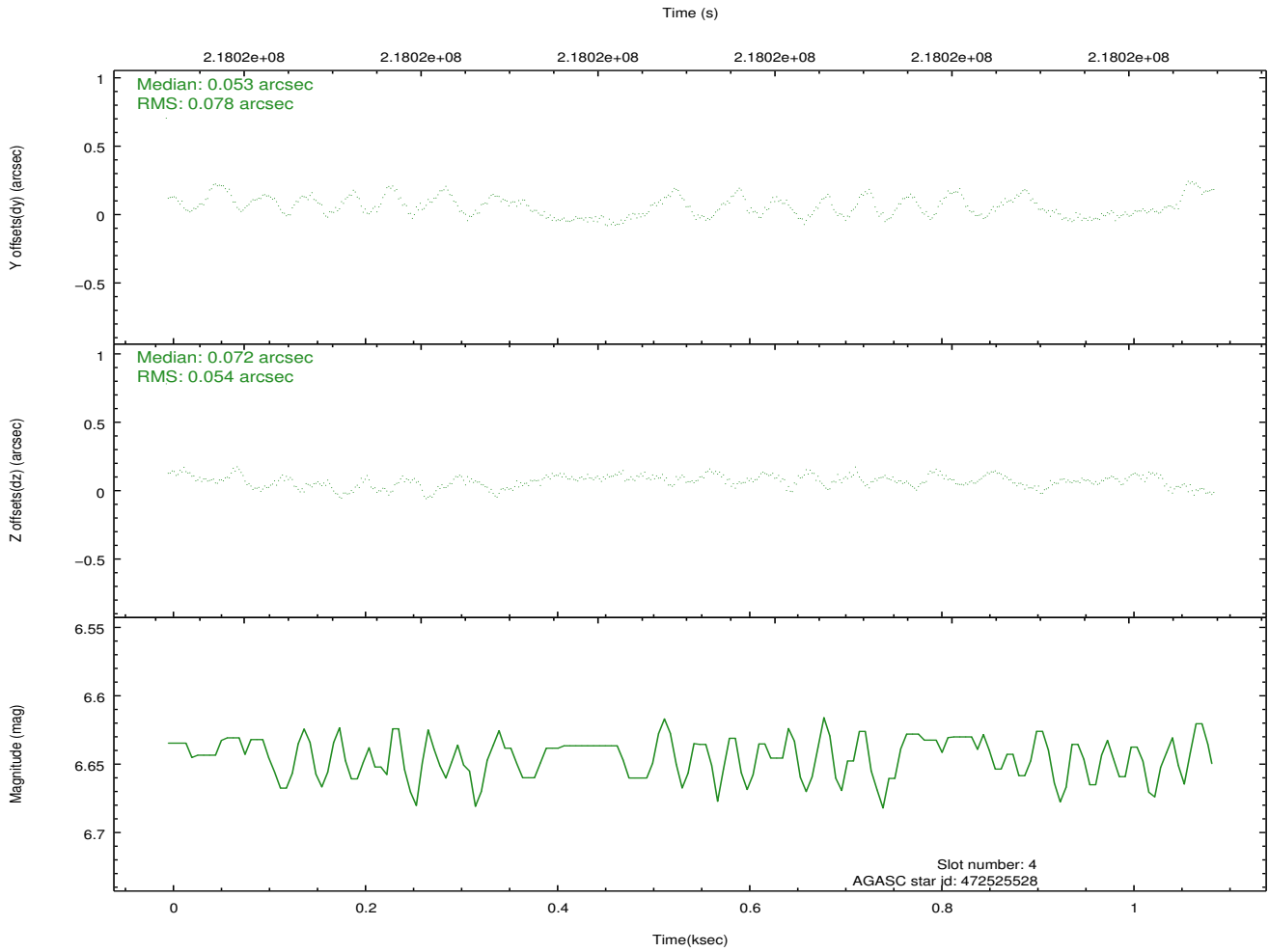
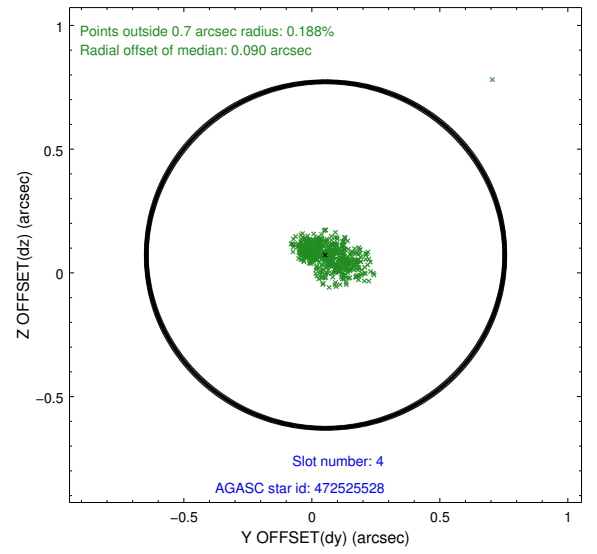
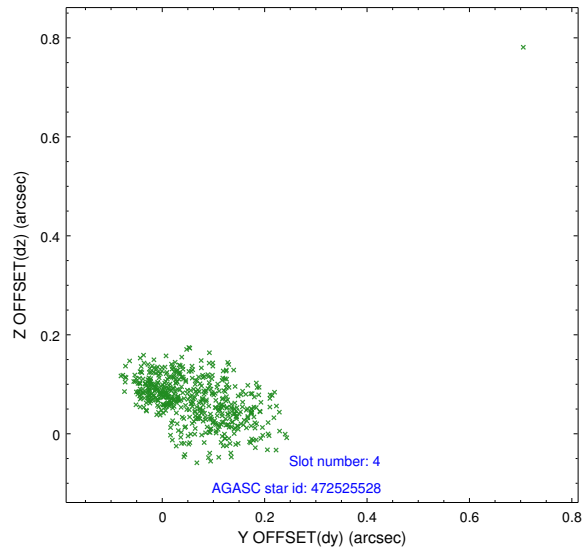
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.04	267	0.142	-0.113	0.010	0.017	0.000000	0.000000	1238.23	-449.64
1	FID	HRC-S-3	7.05	267	0.051	-0.095	0.005	0.010	0.000000	0.000000	-1159.61	570.90
2	FID	HRC-S-4	7.02	267	0.213	-0.086	0.011	0.019	0.000000	0.000000	1232.55	577.25
3	GUIDE	472523760	8.24	533	0.007	-0.123	0.055	0.097	331.645363	45.403260	969.49	-1442.75
4	GUIDE	472525528	6.64	533	0.053	0.072	0.091	0.144	331.551102	45.248694	1431.97	-1838.16
5	GUIDE	472527720	7.02	533	0.148	-0.036	0.103	0.154	331.460205	45.112509	1832.29	-2205.22
6	GUIDE	472535576	7.84	533	-0.215	0.069	0.065	0.105	331.438373	46.291802	-2235.74	-990.93
7	GUIDE	472659832	9.47	529	-0.000	0.015	0.109	0.248	332.780399	46.098139	-604.20	2008.58

2.4 Star Slots

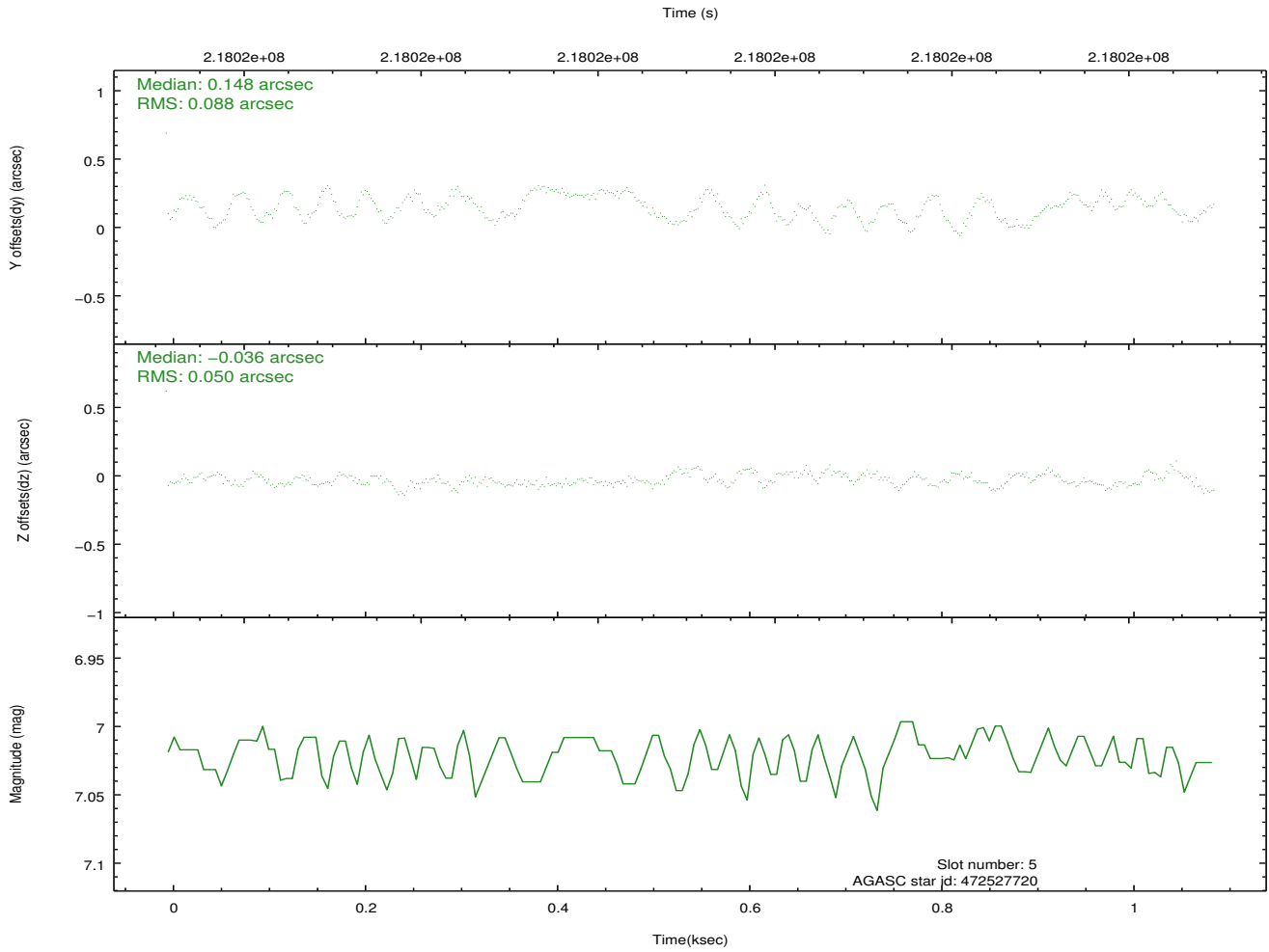
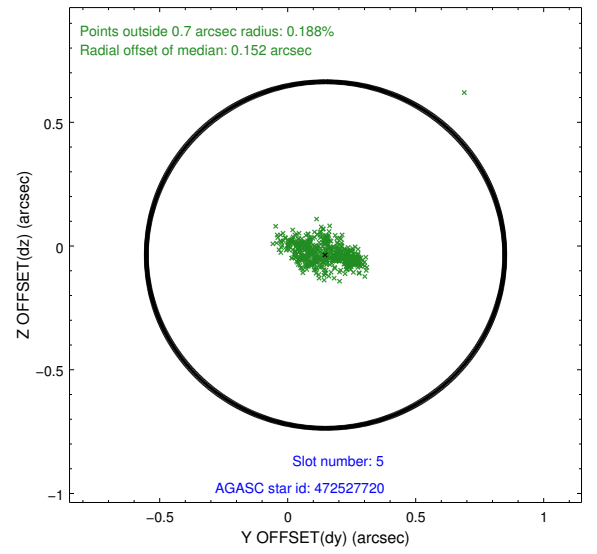
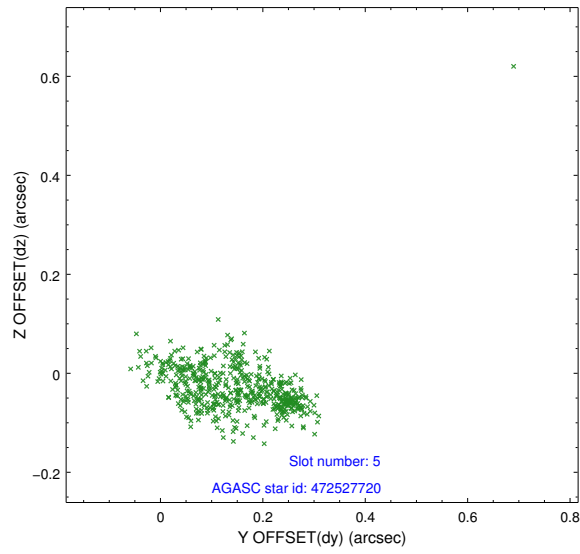
2.4.1 Slot 3



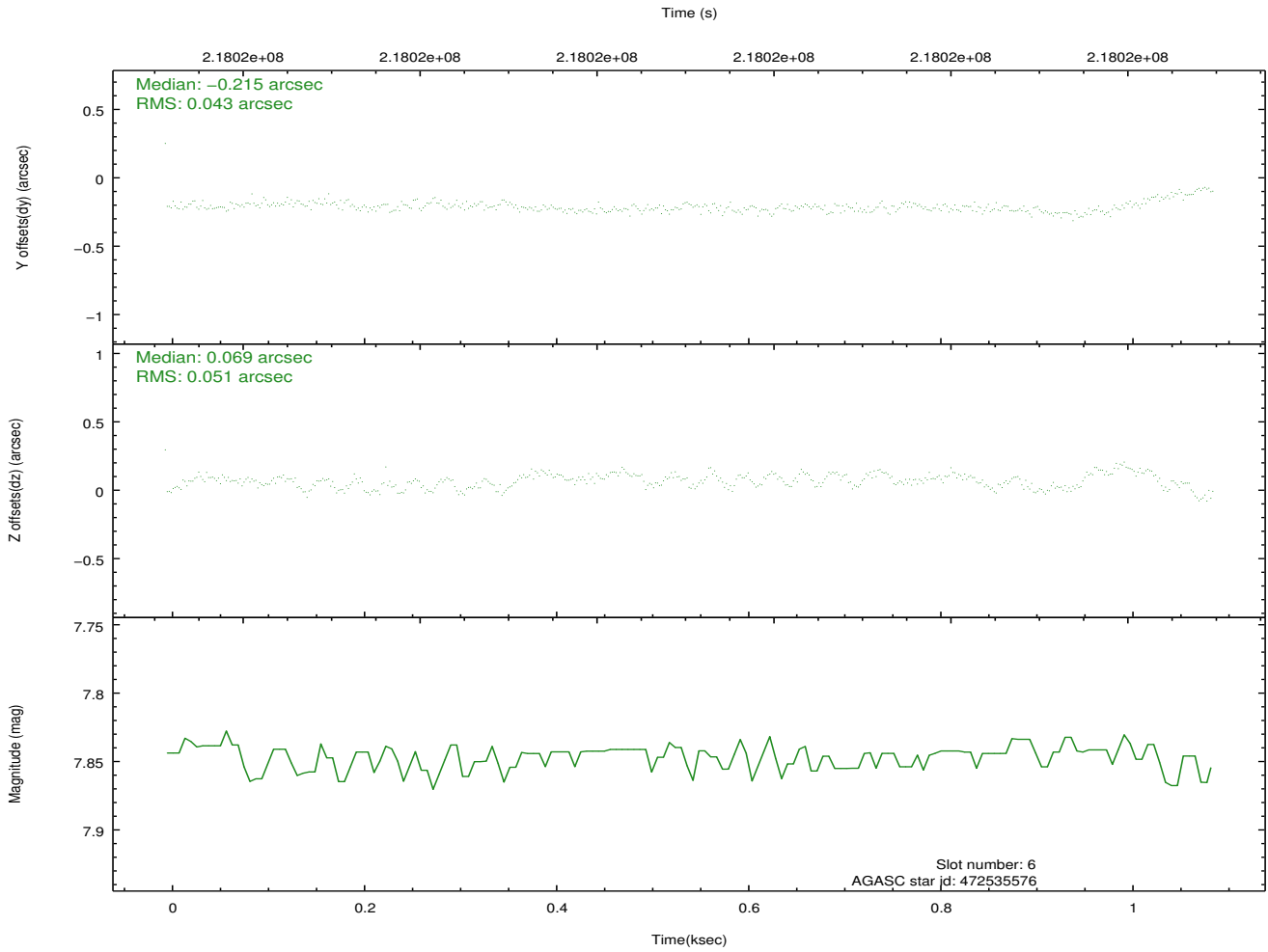
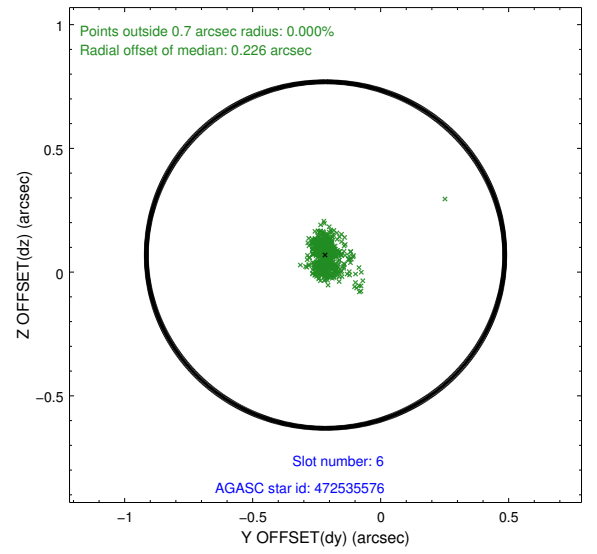
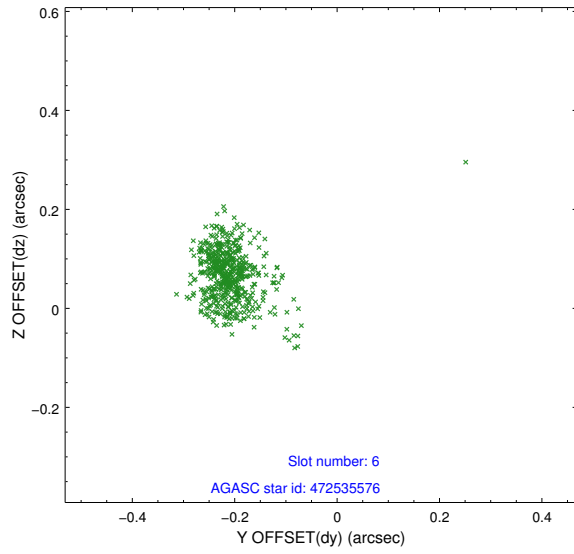
2.4.2 Slot 4



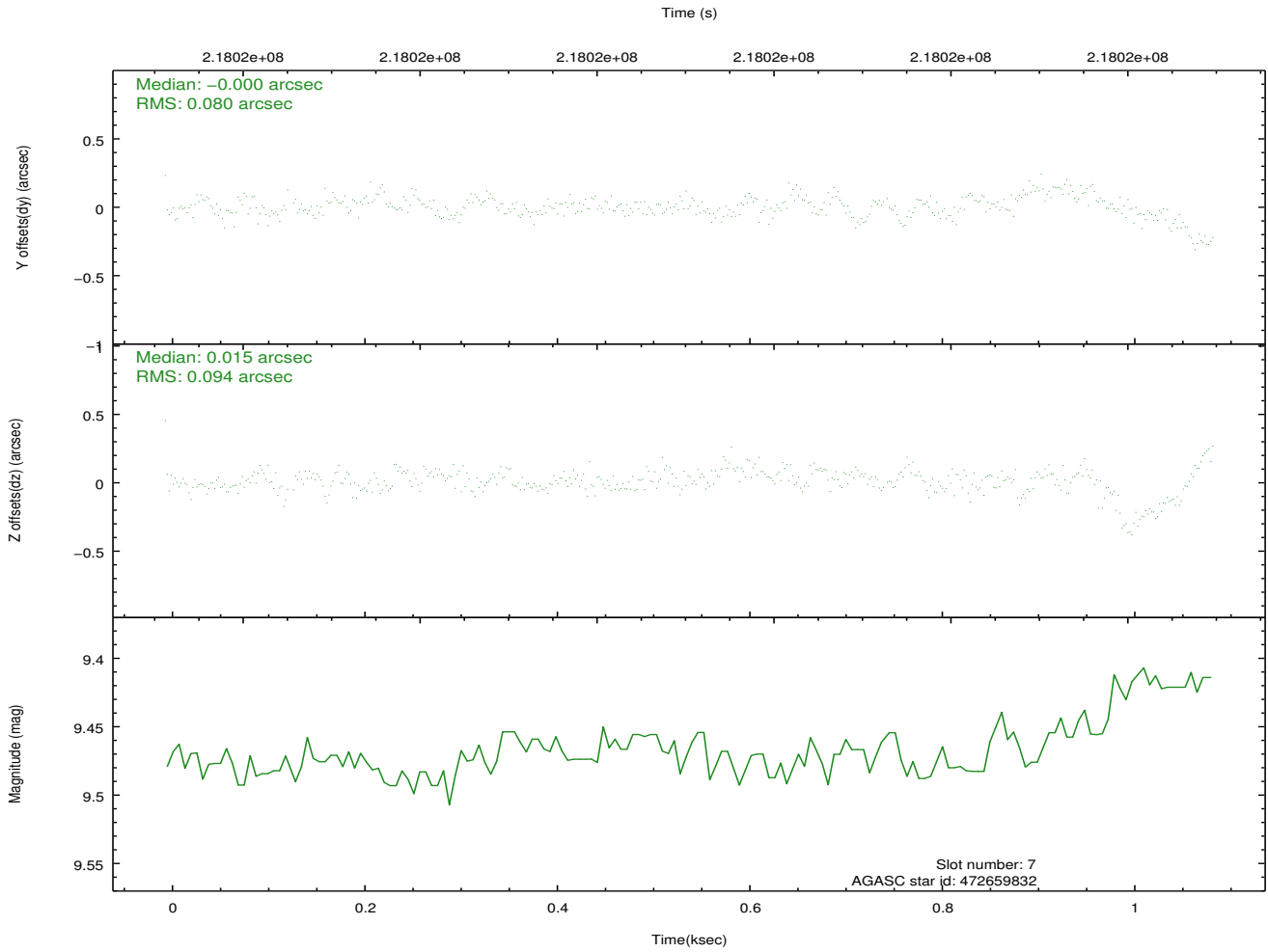
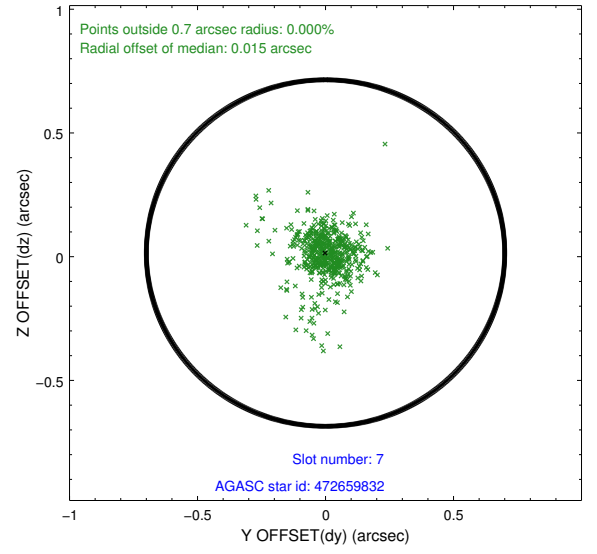
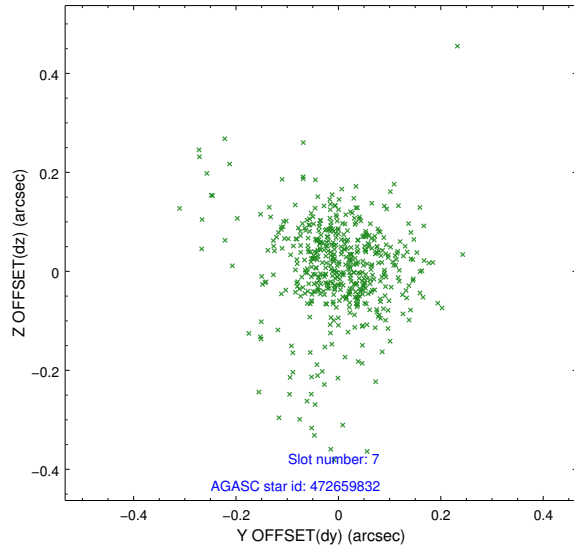
2.4.3 Slot 5



2.4.4 Slot 6

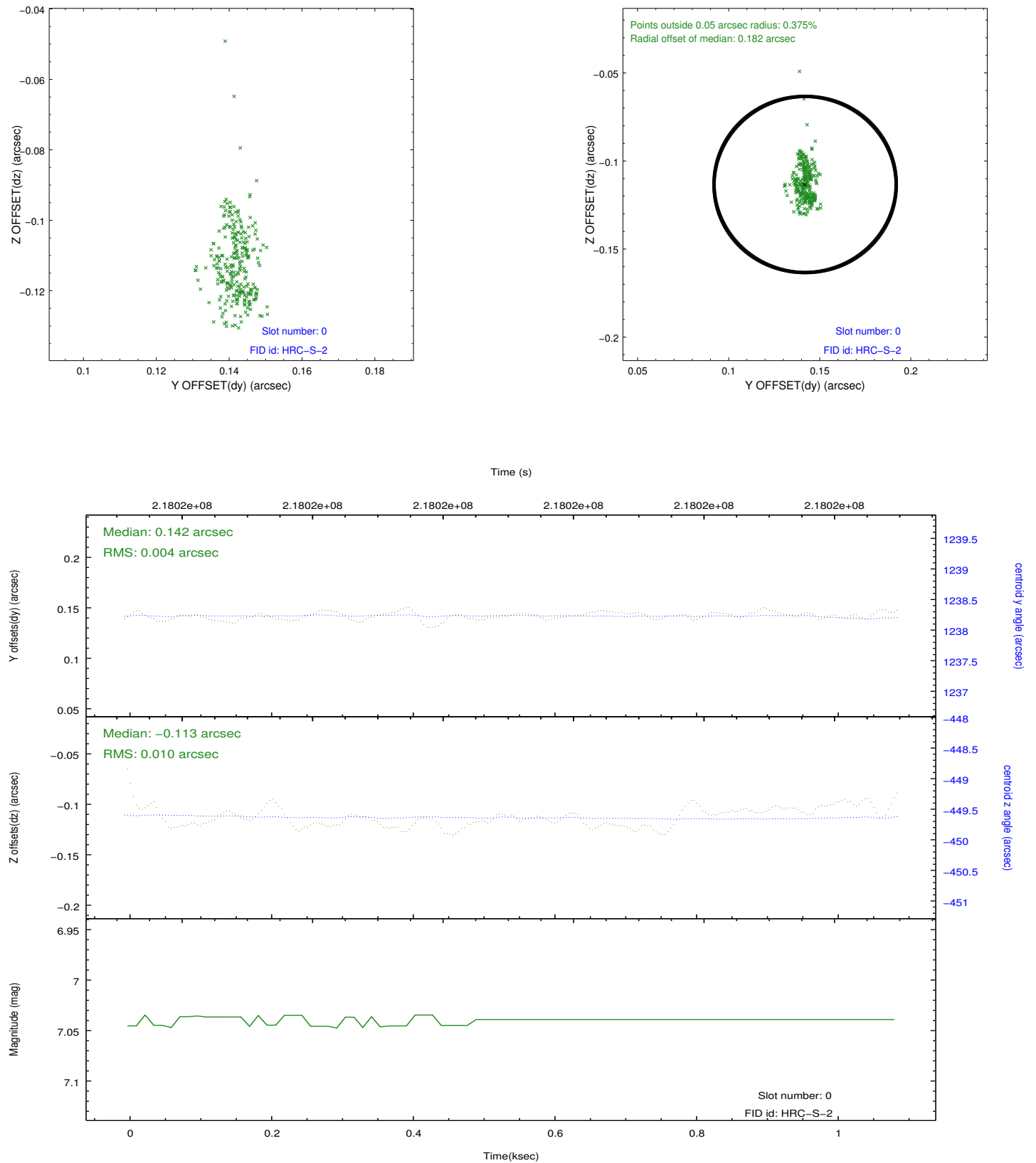


2.4.5 Slot 7

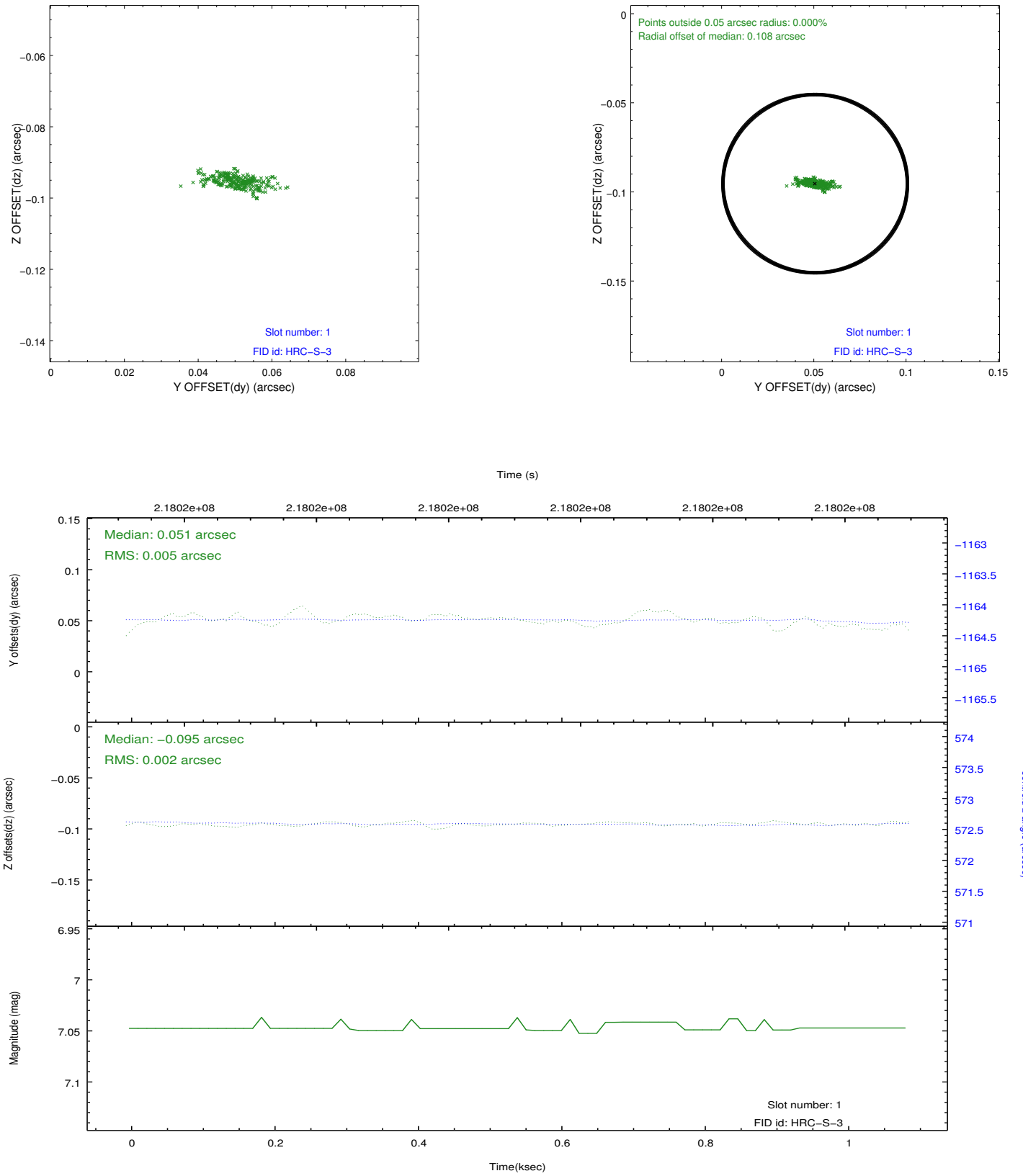


2.5 FID Slots

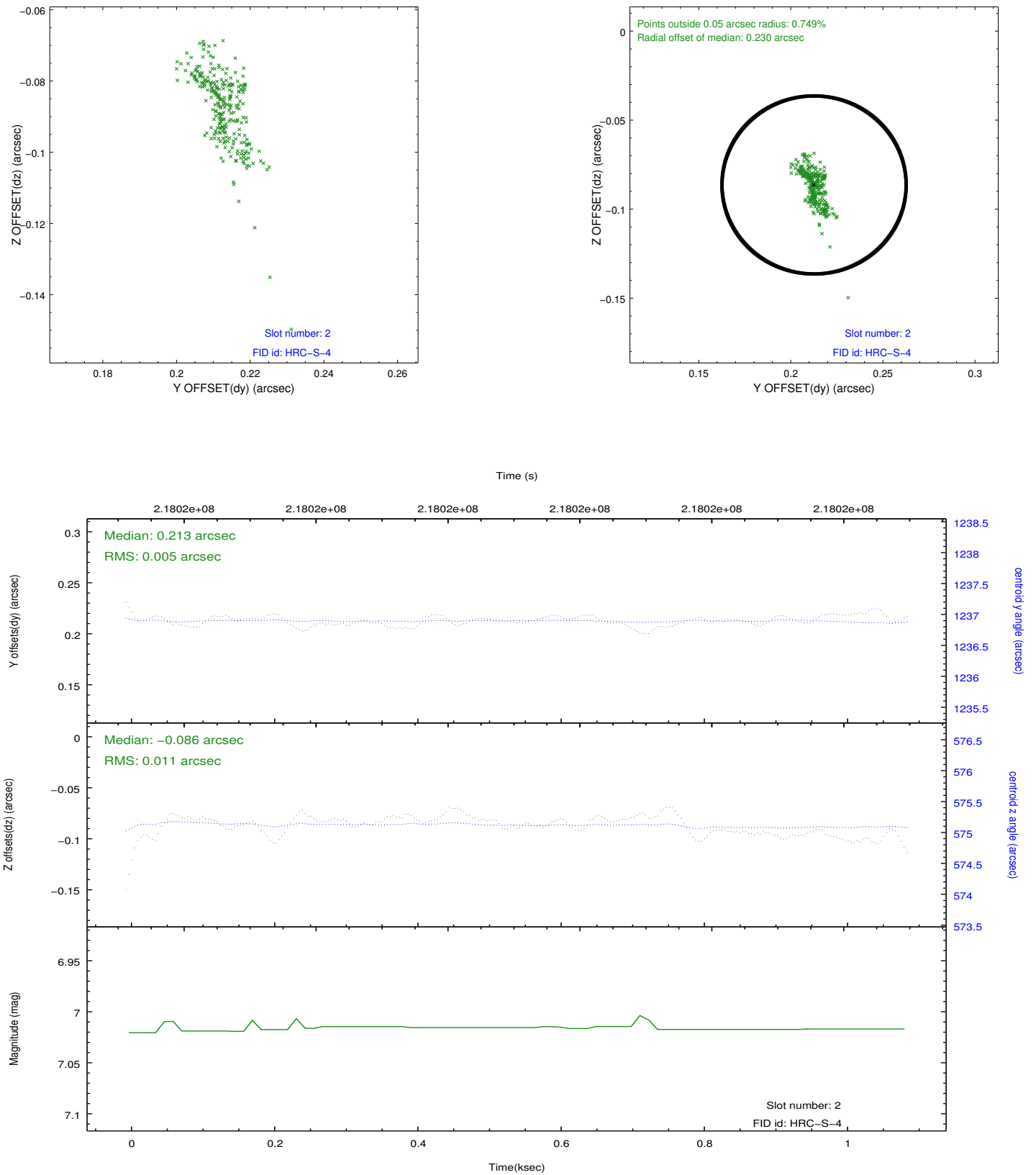
2.5.1 Slot 0



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	1.06113129

A.2 Comments