

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5095 - L2 Version 3
Chandra X-Ray Center

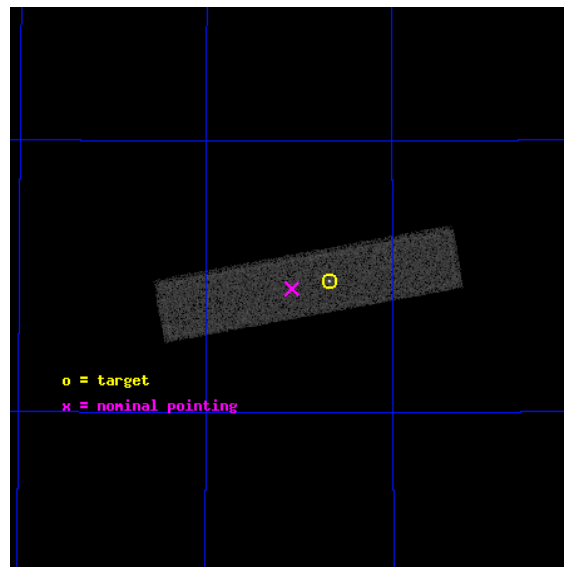
L2 Processing Date : Nov 11 2012

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

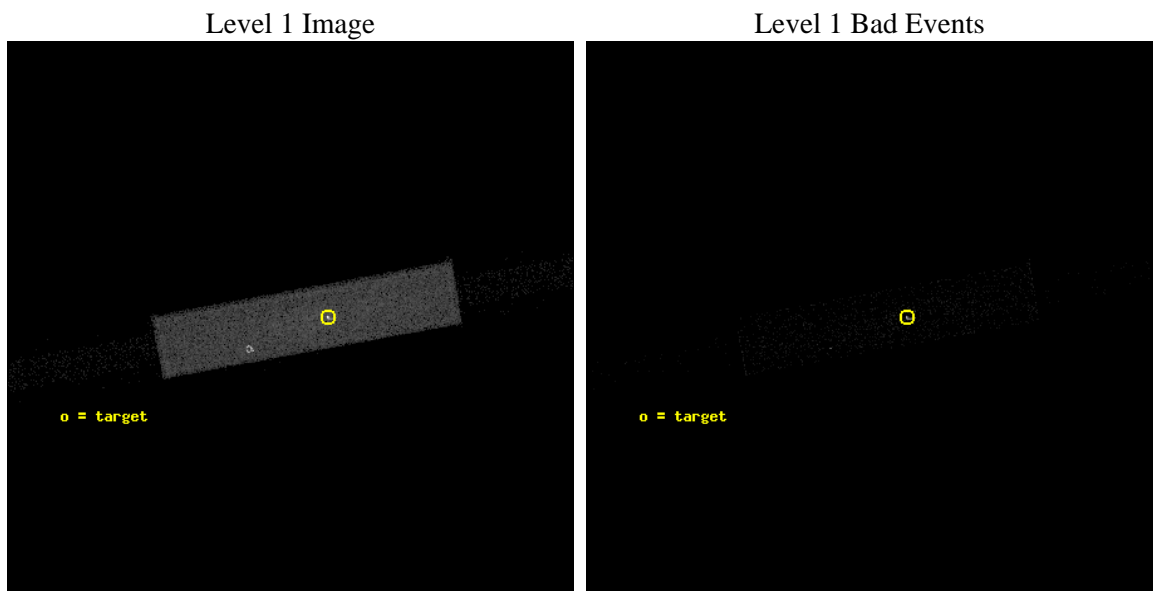
seq_num	290368	Sequence number
obs_id	5095	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.27004601001	Nominal RA [deg]
dec_nom	45.728069229176	Nominal Dec [deg]
roll_nom	349.54841414203	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1087.7812975645	[s]
livetime	1081.9175342565	Ontime multiplied by DTCOR
l2events	39291	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	946.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1087.7812975645	[s]
caldsver	4.5.2	 	l1events	69701	Number of level 1 events
date	2012-11-11T16:14:41	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

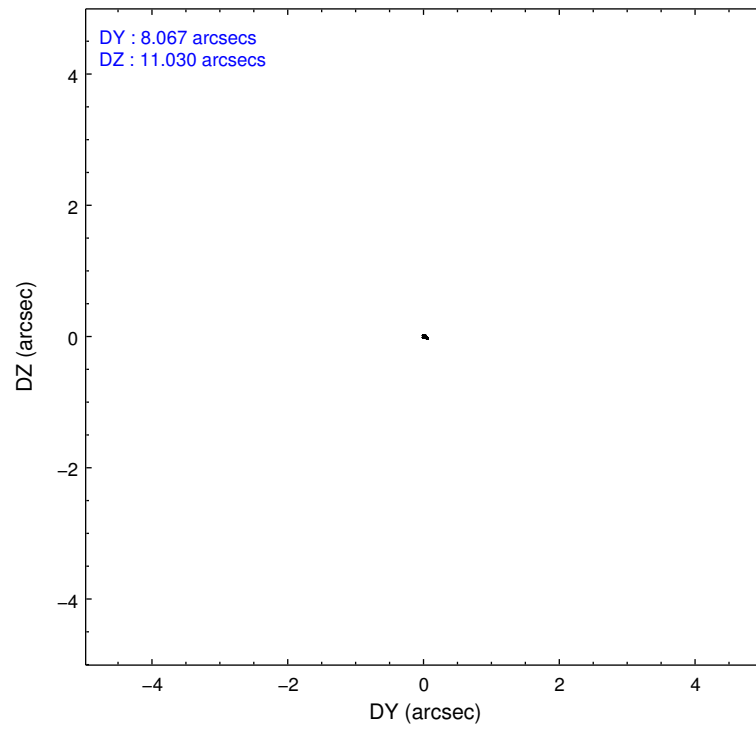
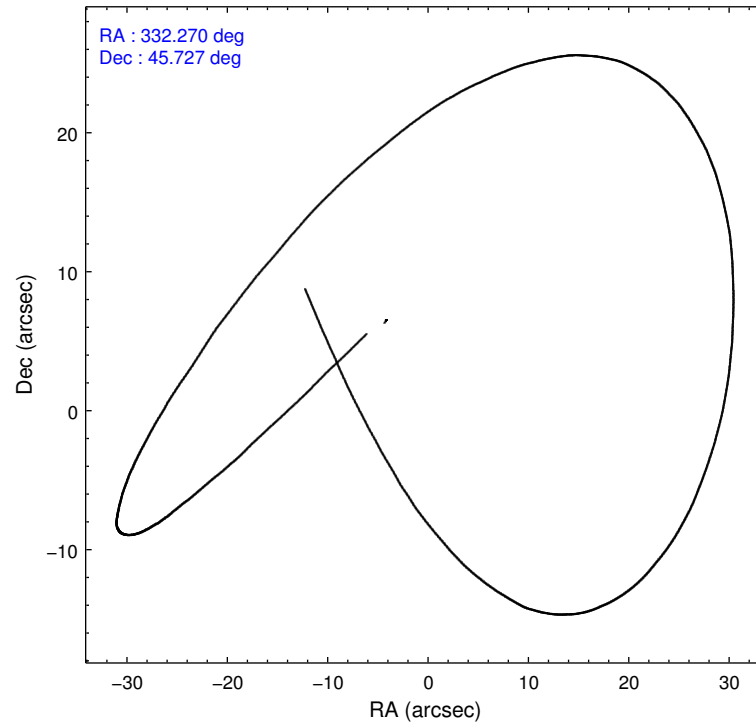
Level 1 Events

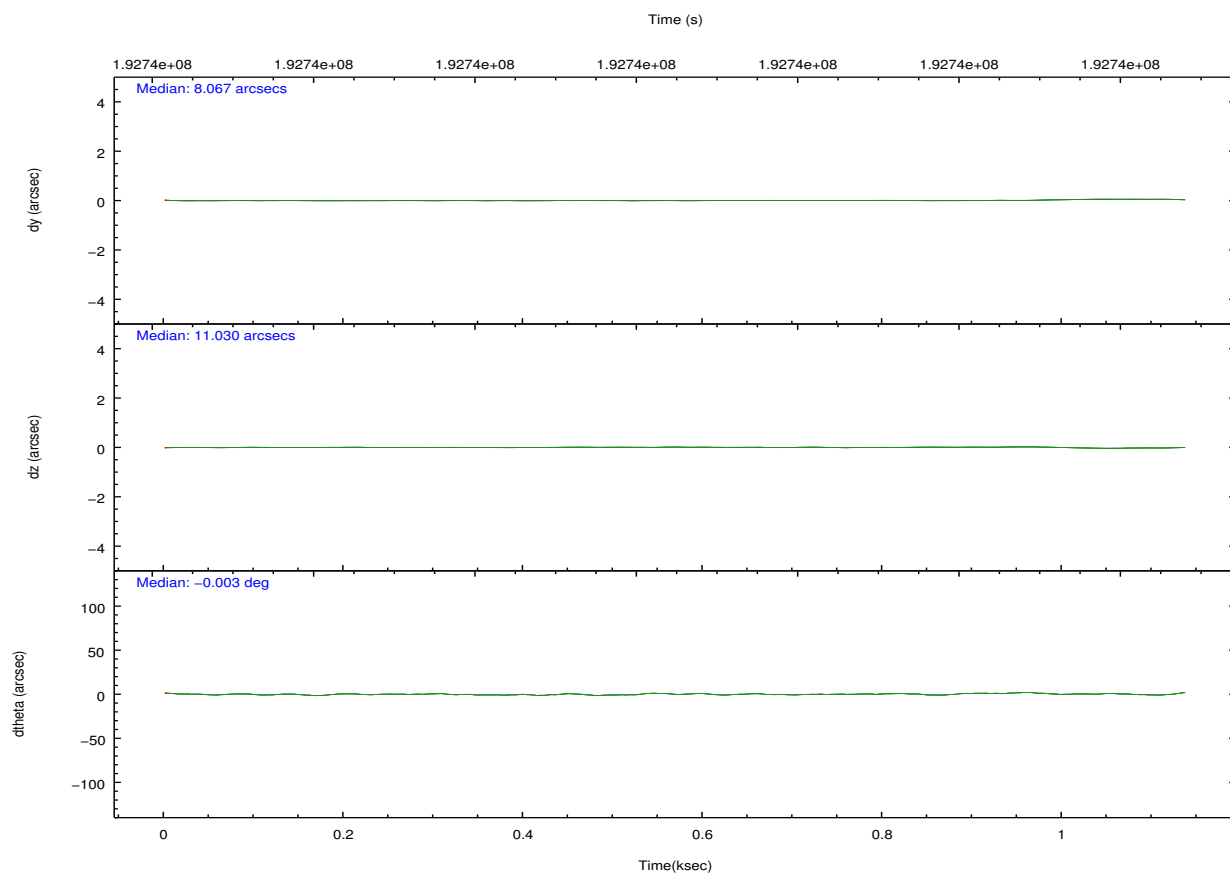
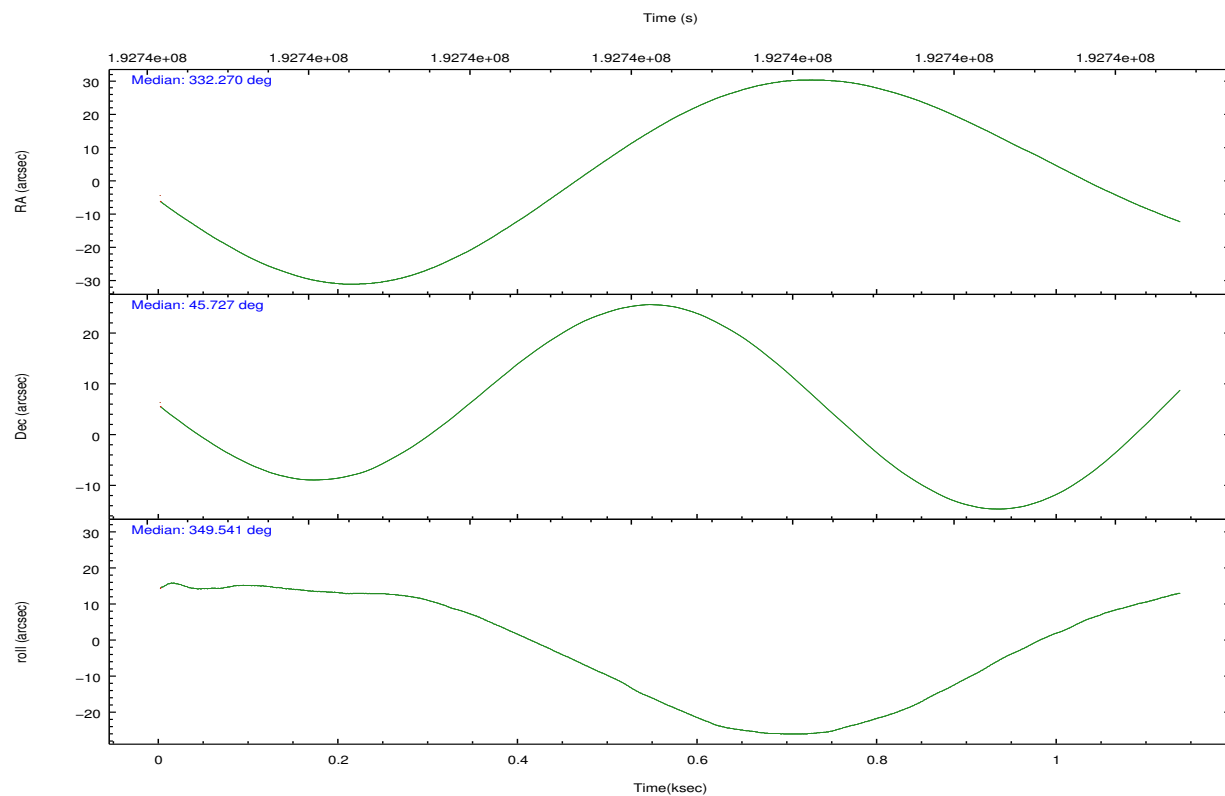
	segment 1	segment 2	segment 3
level 1 events	1099	67497	1105
rejected events	1099	15573	1105
rejected %	100%	23%	100%

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	332.232602	332.2700460100117			
[deg] Pointing Dec	45.718303	45.7280692291761			
[deg] Pointing Roll	349.507870	349.5484141420282			
[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)	192740273.184000	192739897.22289			
Observation start date	2004-02-09T18:56:49	2004-02-09T18:51:37			
[s] Observation end time (MET)	192741219.184000	192741352.72296			
Observation end date	2004-02-09T19:12:35	2004-02-09T19:15:52			

2.3 Aspect



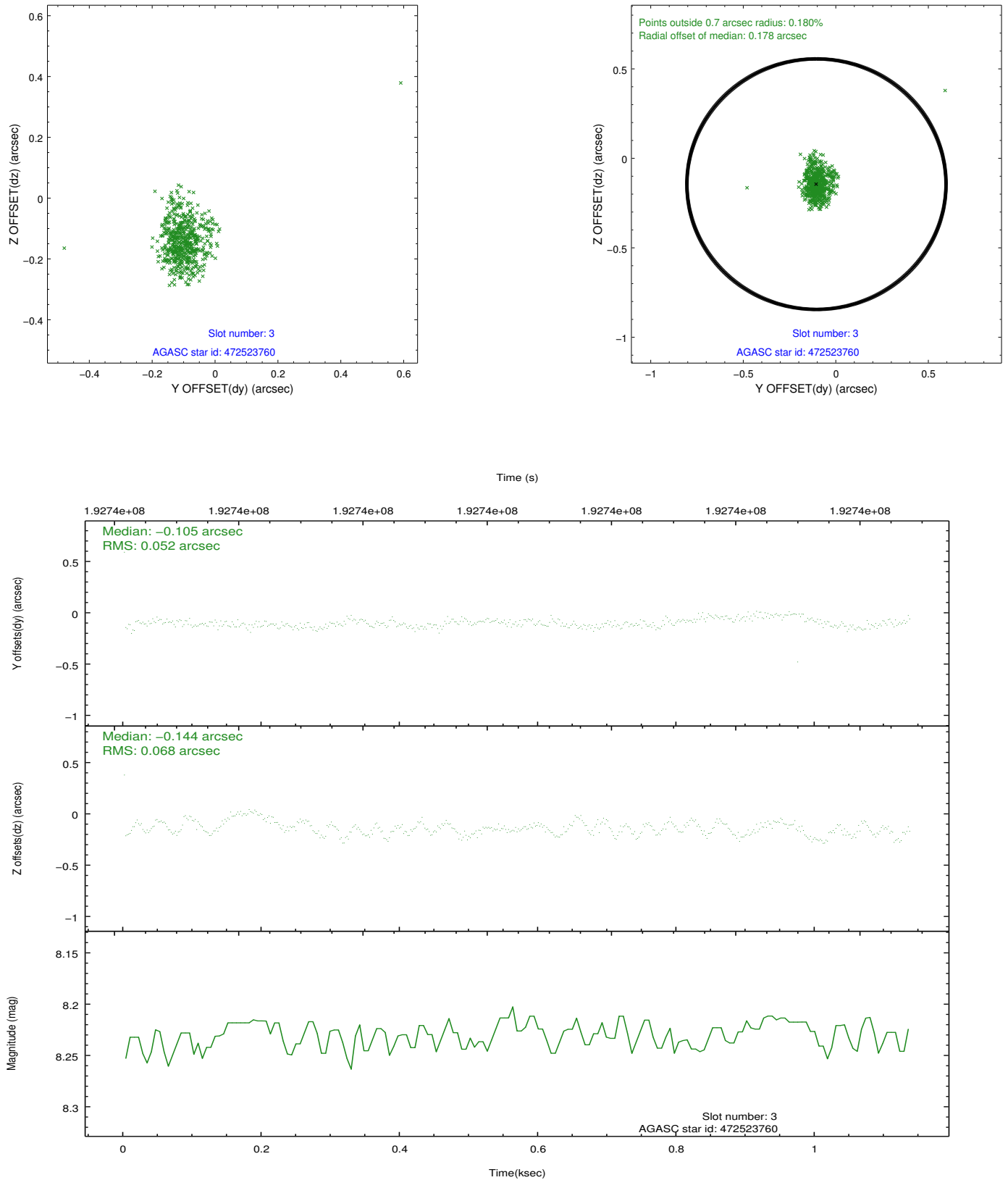


Slot Statistics

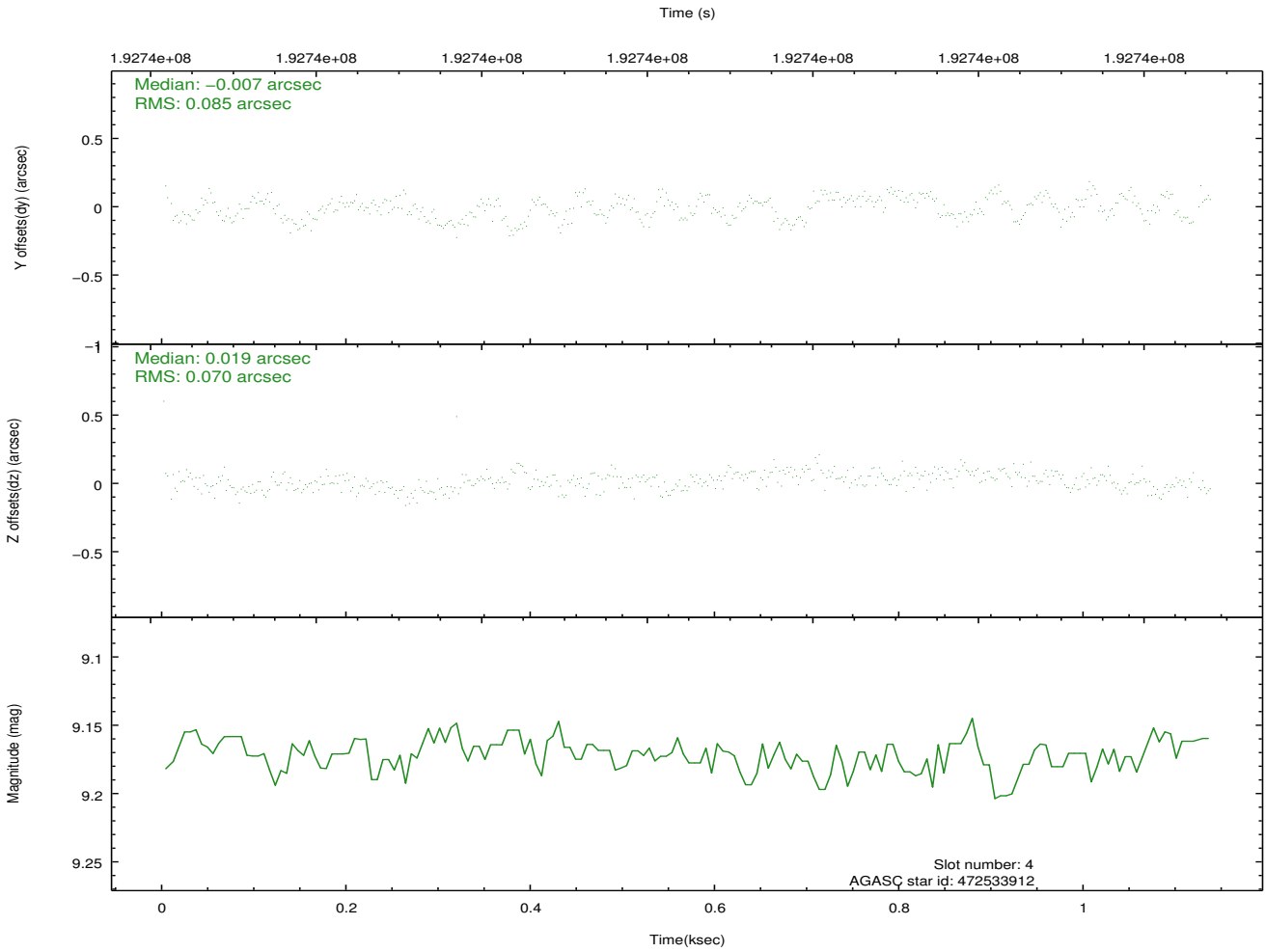
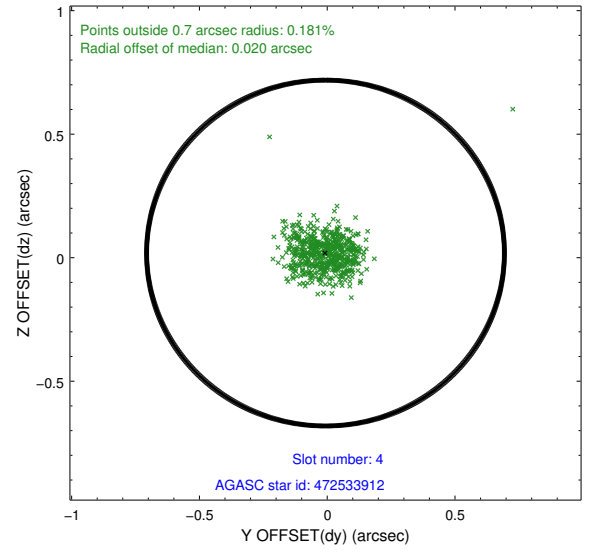
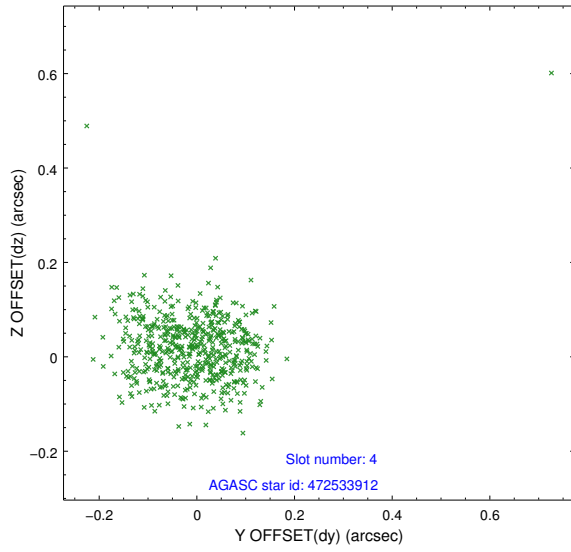
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	278	0.150	-0.166	0.006	0.010	0.000000	0.000000	-1162.23	-459.74
1	FID	HRC-S-2	7.02	278	0.129	-0.108	0.004	0.009	0.000000	0.000000	1233.25	-454.00
2	FID	HRC-S-3	7.04	278	0.112	-0.028	0.006	0.011	0.000000	0.000000	-1160.54	568.30
3	GUIDE	472523760	8.23	555	-0.105	-0.144	0.083	0.133	331.645363	45.403260	-1253.28	-1376.12
4	GUIDE	472533912	9.17	552	-0.007	0.019	0.110	0.169	331.791136	46.368695	-1507.29	2107.29
5	GUIDE	472654568	9.44	554	-0.020	-0.021	0.105	0.168	332.194449	45.063576	332.02	-2327.06
6	GUIDE	472655152	9.43	555	0.103	0.037	0.105	0.161	332.504239	45.862991	575.81	637.59
7	GUIDE	472659832	9.46	554	0.027	0.108	0.106	0.167	332.780399	46.098139	1096.22	1604.00

2.4 Star Slots

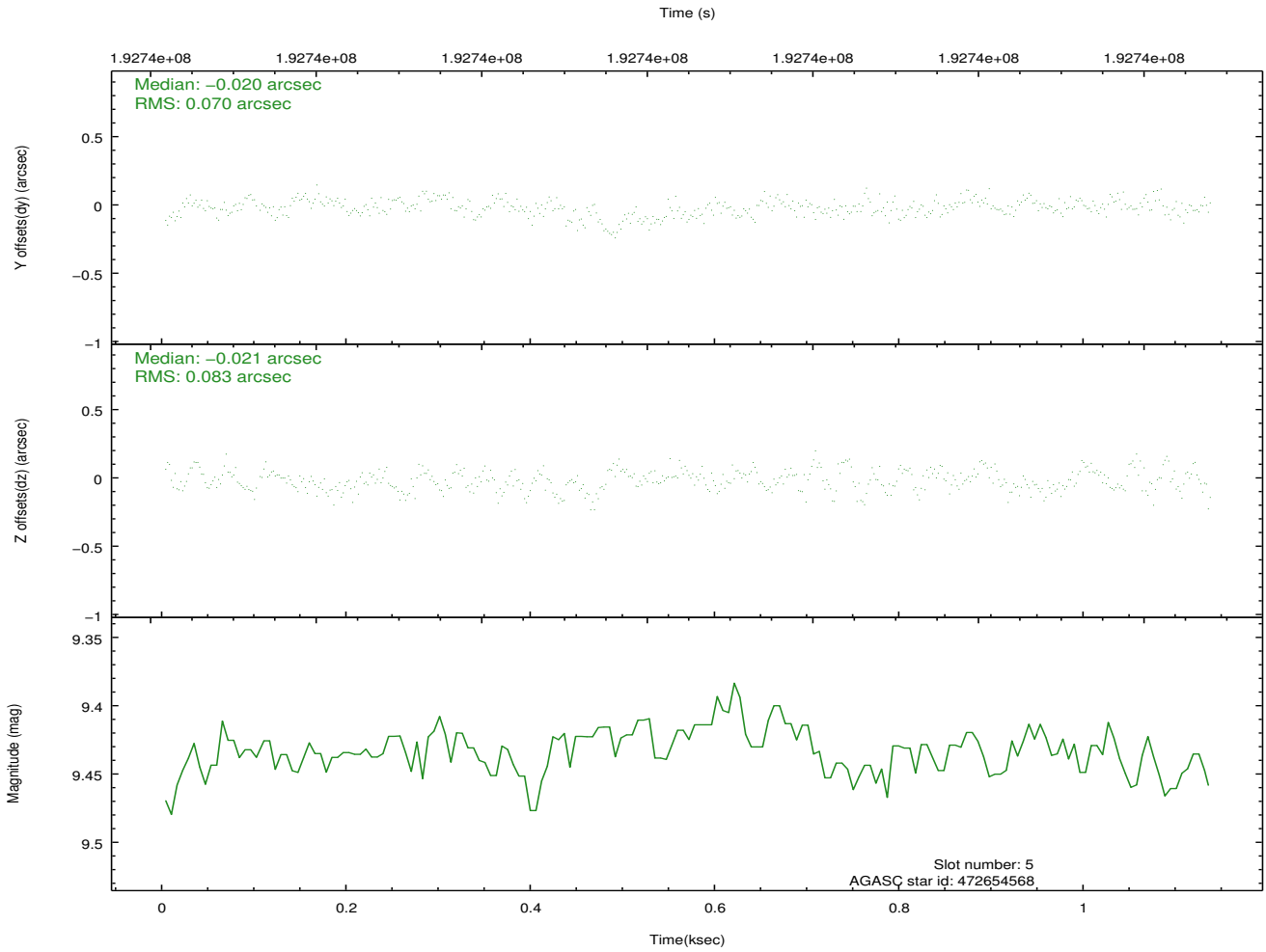
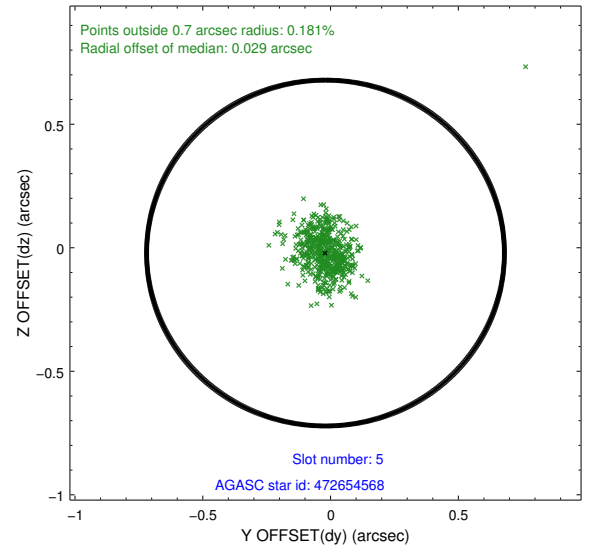
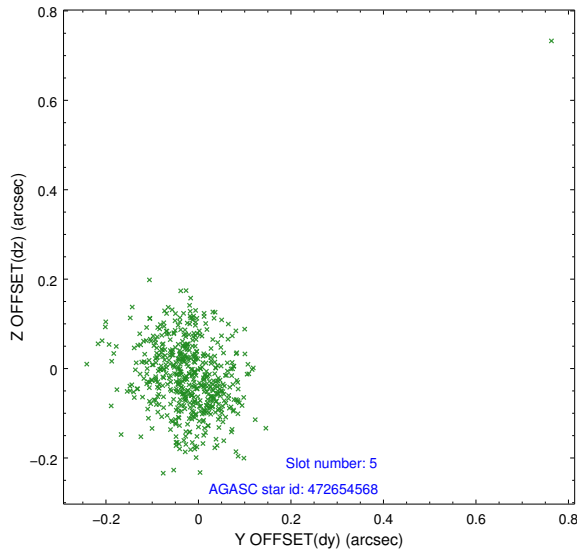
2.4.1 Slot 3



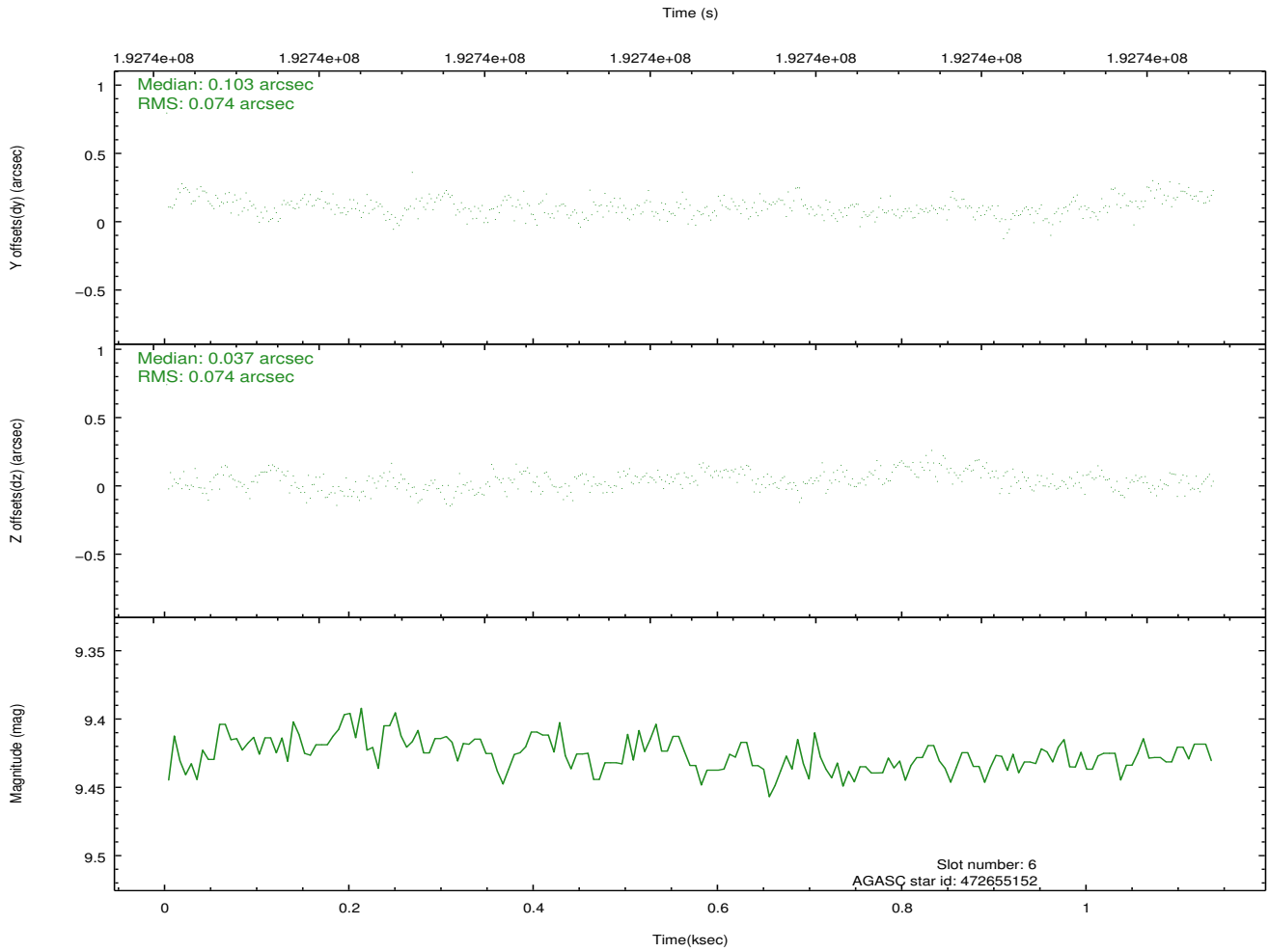
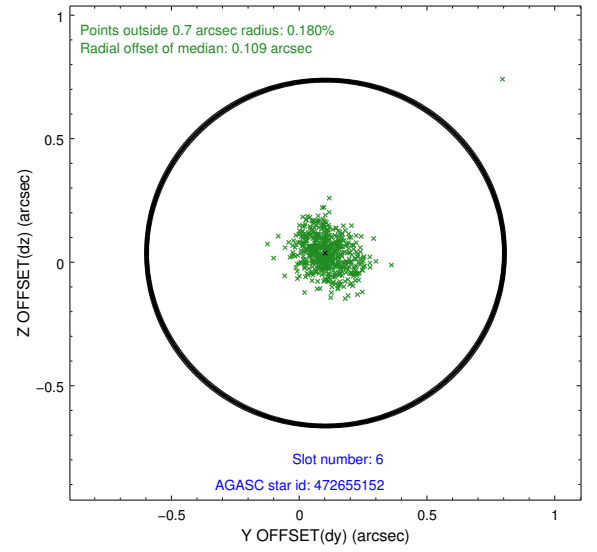
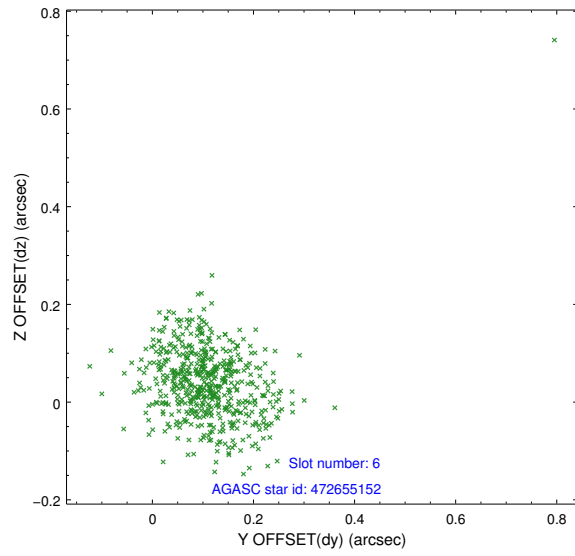
2.4.2 Slot 4



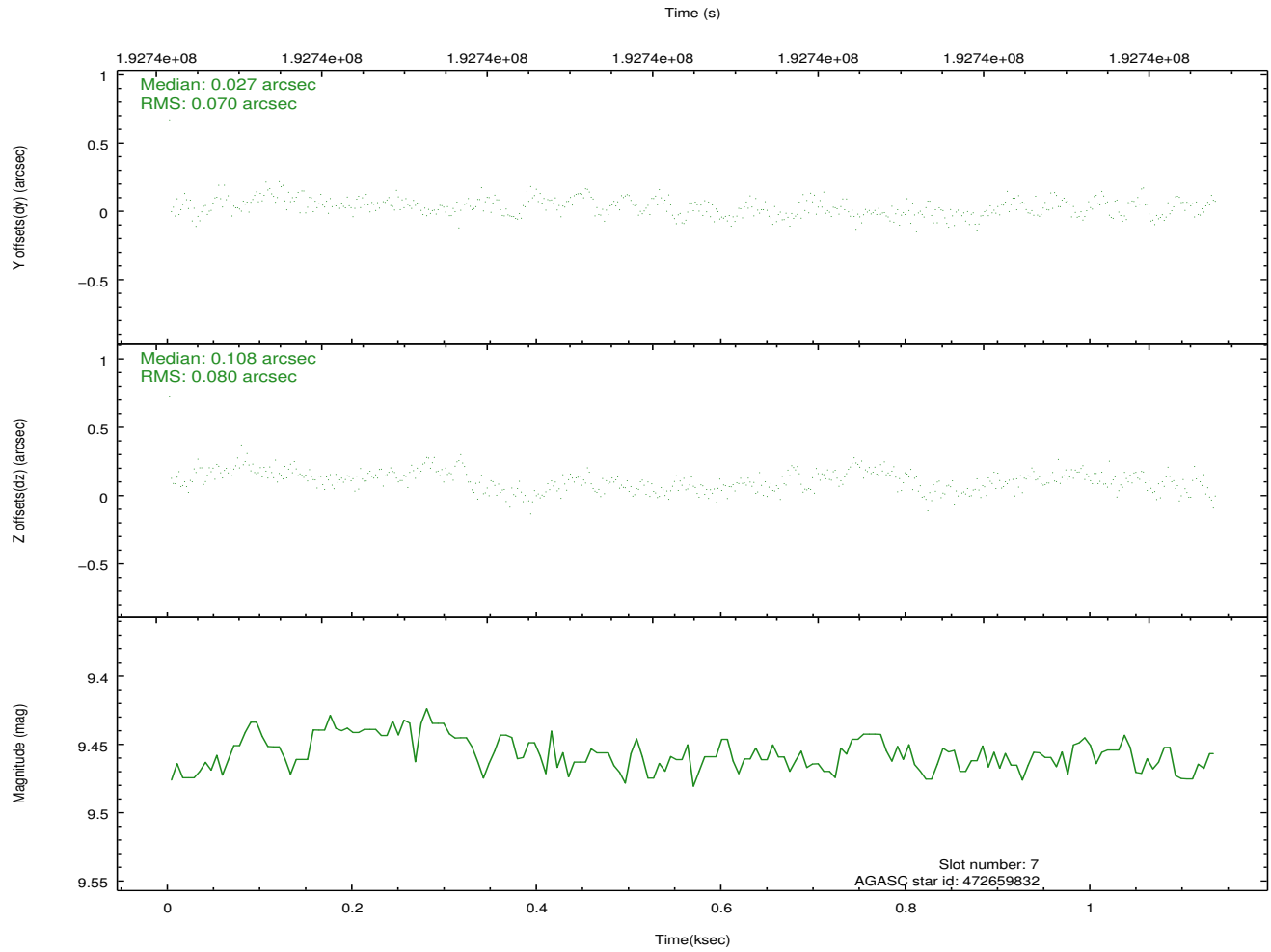
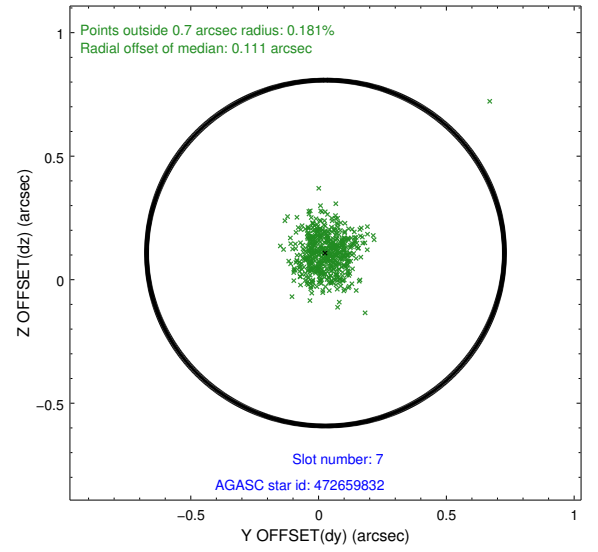
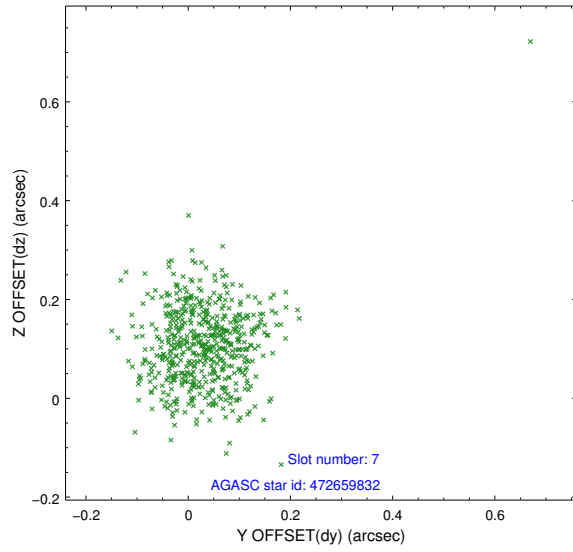
2.4.3 Slot 5



2.4.4 Slot 6

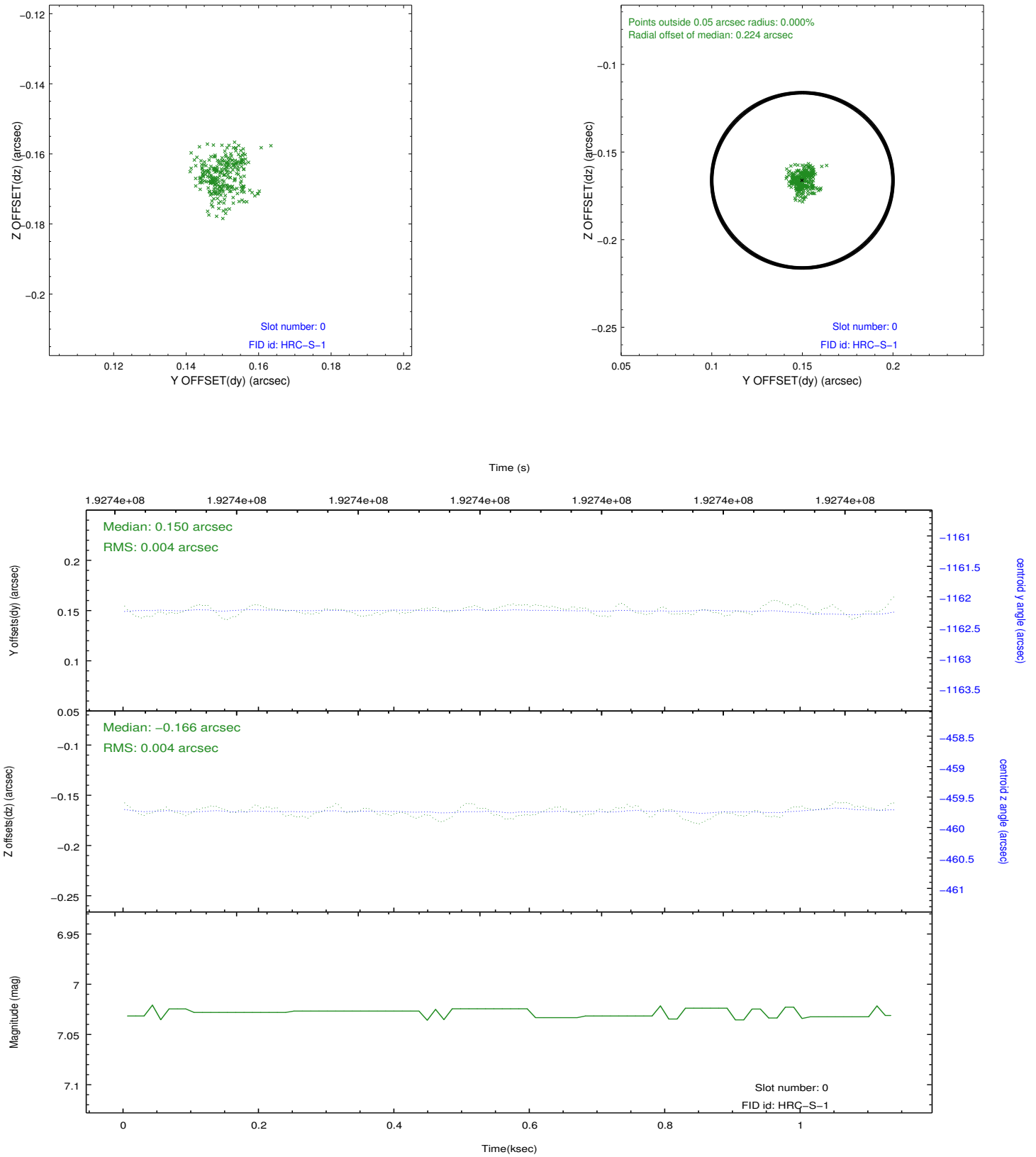


2.4.5 Slot 7

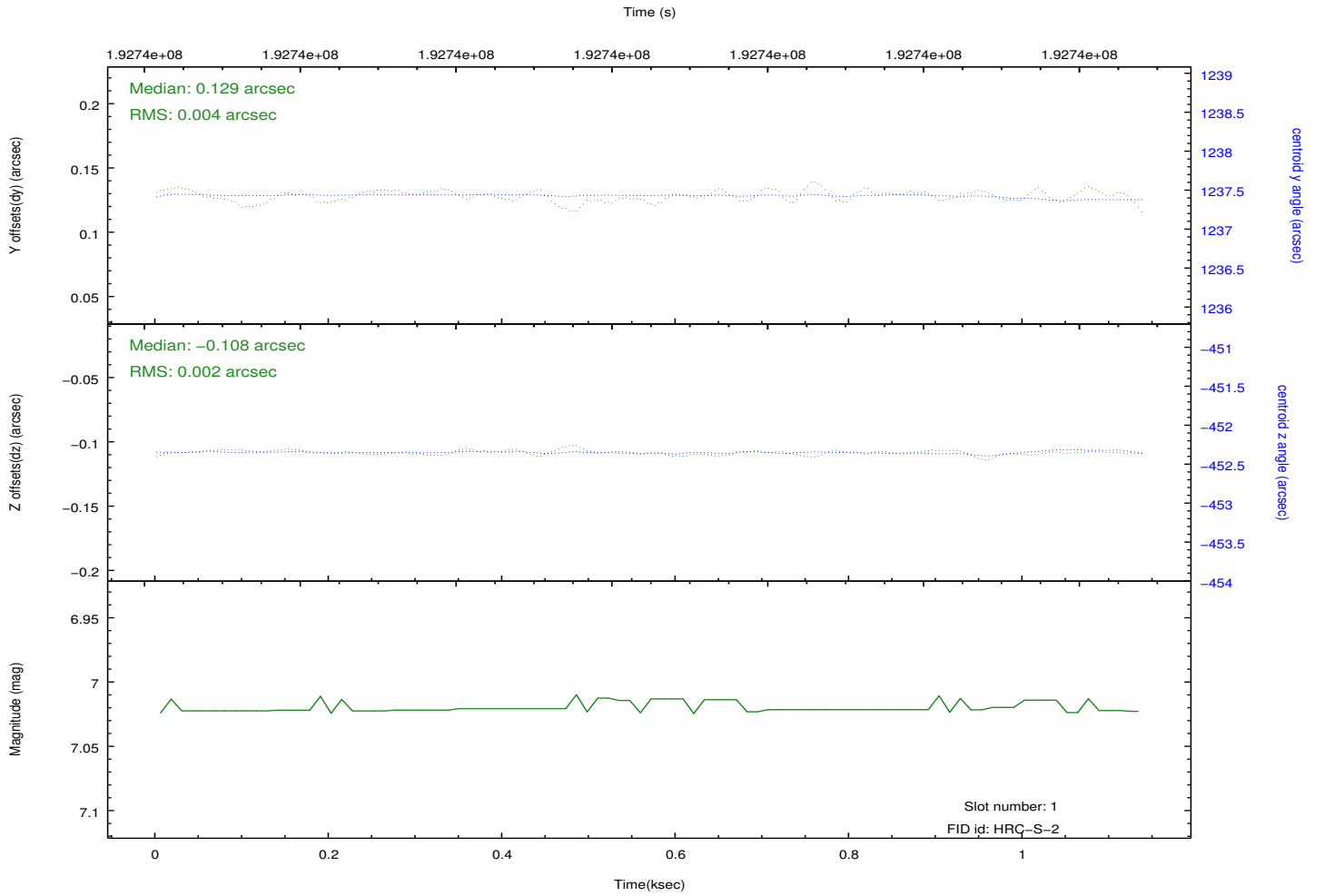
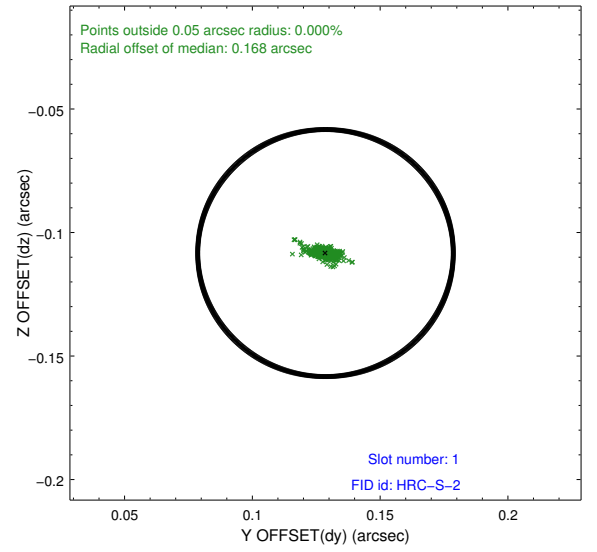
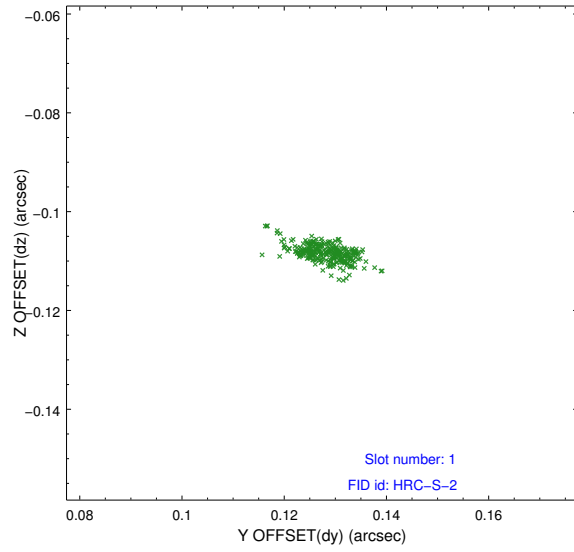


2.5 FID Slots

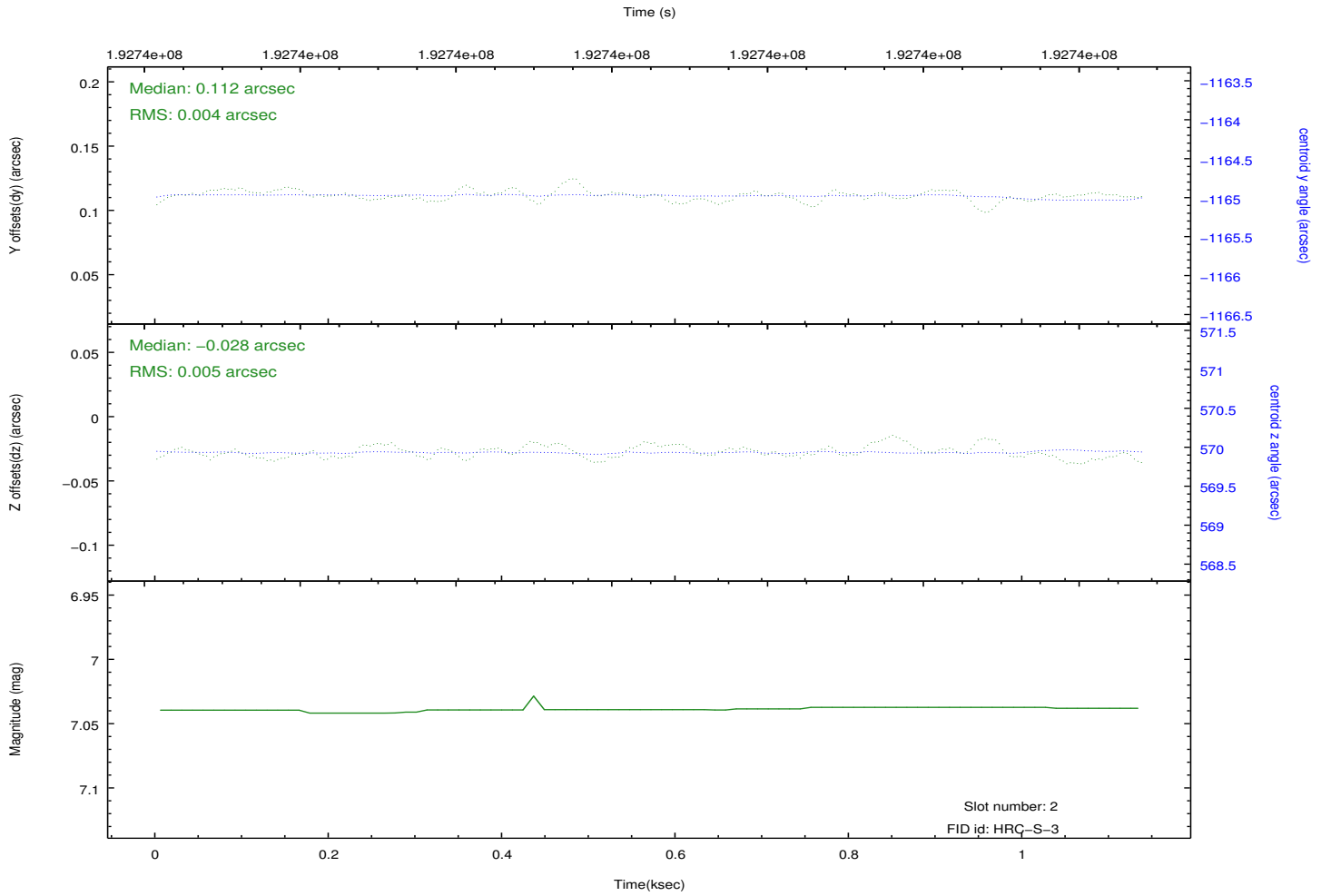
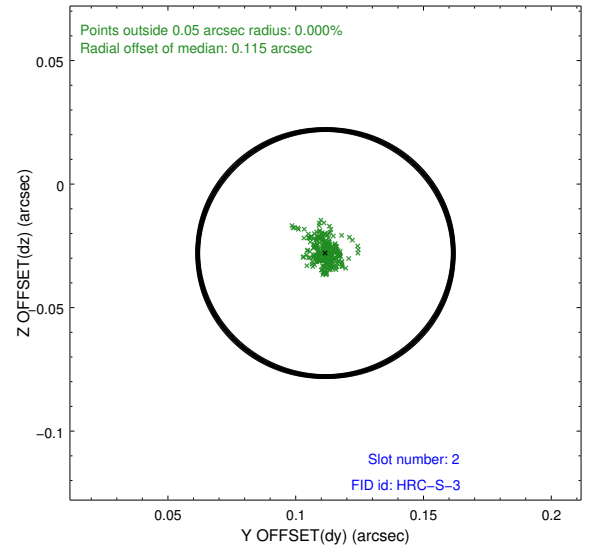
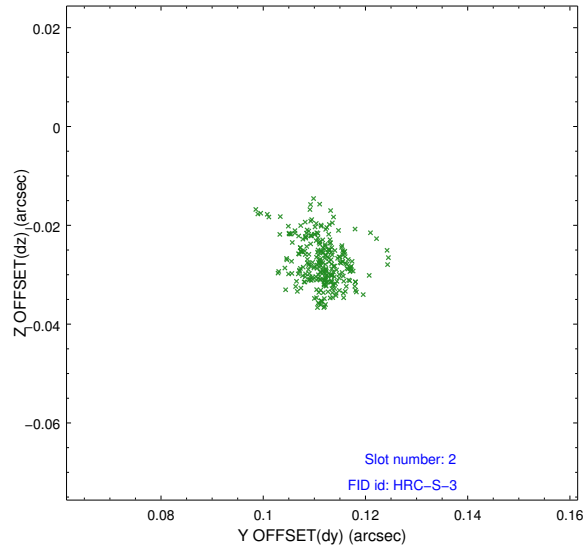
2.5.1 Slot 0



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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

A.2 Comments