

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4345 - L2 Version 3
Chandra X-Ray Center

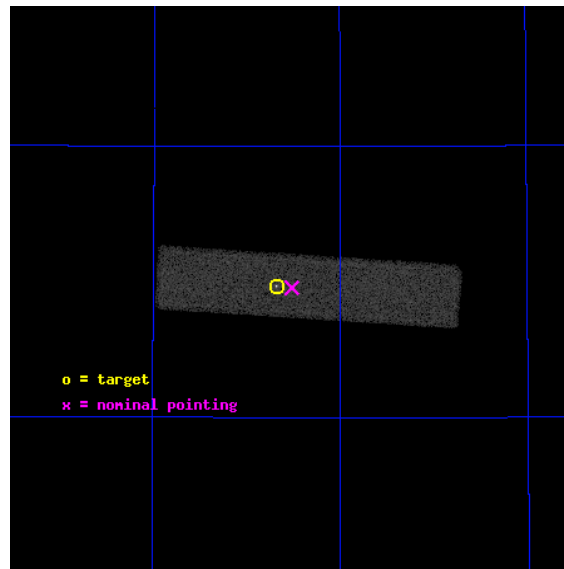
L2 Processing Date : Oct 23 2012

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1 Front

seq_num	290305	Sequence number
obs_id	4345	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR 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	332.12882227499	Nominal RA [deg]
dec_nom	45.739611912848	Nominal Dec [deg]
roll_nom	3.6218735964982	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062980592	[s]
liveltime	1135.6376644367	Ontime multiplied by DTCOR
l2events	45959	Number of level 2 events

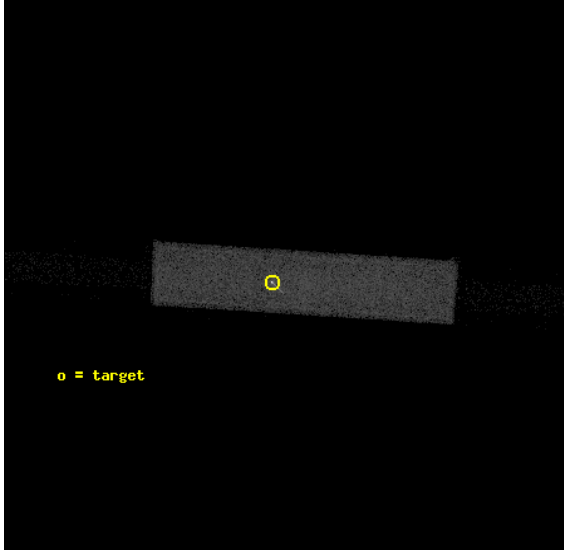


2 OBI

2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062980592	[s]
caldbver	4.5.2	 	l1events	73963	Number of level 1 events
date	2012-10-23T09:26:14	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

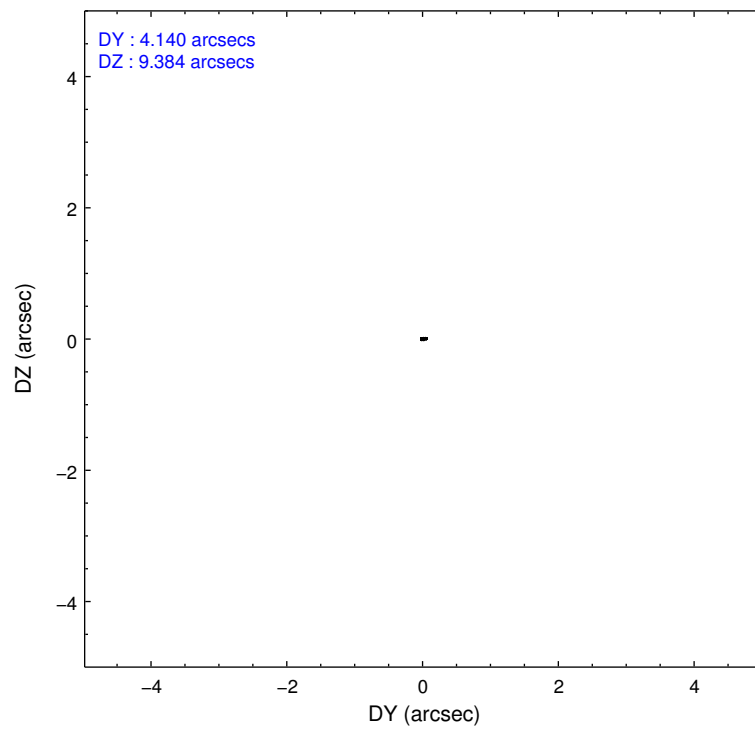
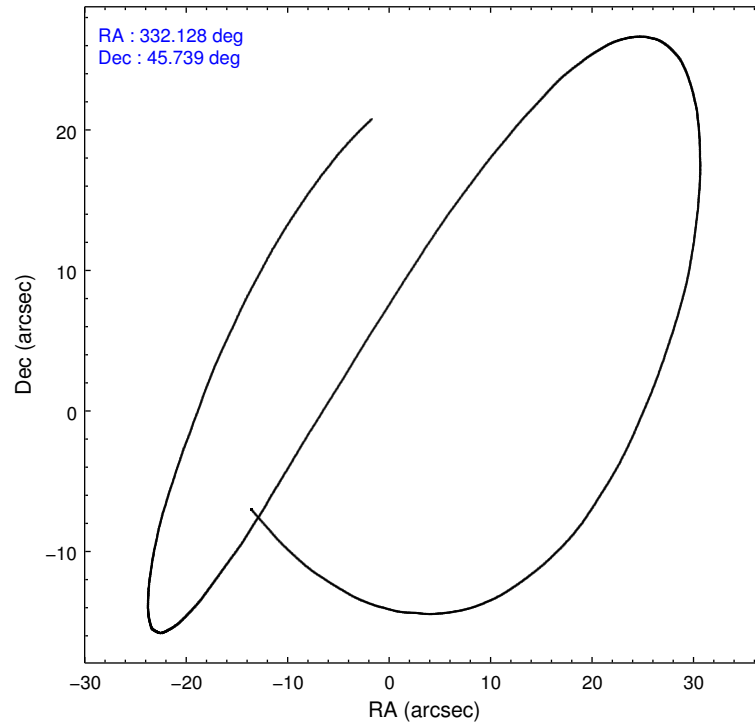
Level 1 Events

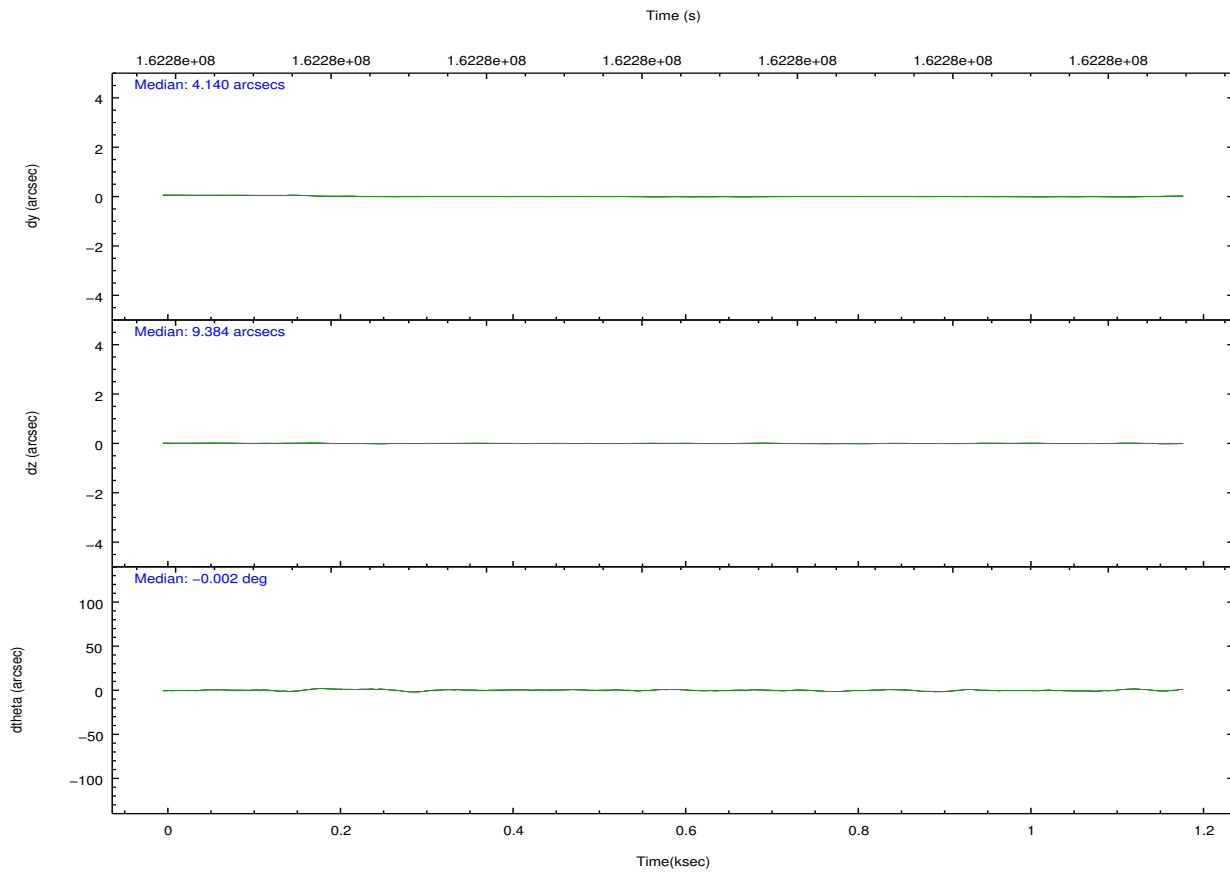
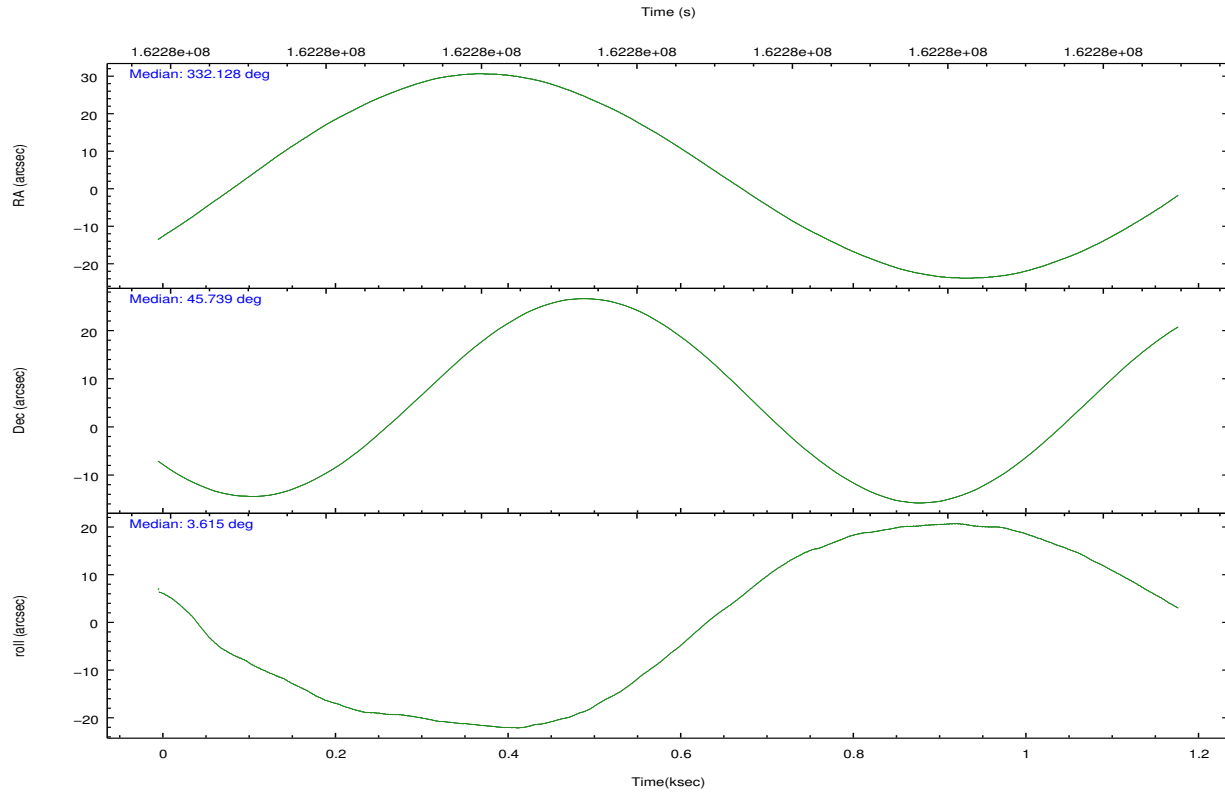
	segment 1	segment 2	segment 3
level 1 events	1203	71596	1164
rejected events	1203	16223	1164
rejected %	100%	22%	100%

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	332.096089	332.1288222749864			
[deg] Pointing Dec	45.723399	45.73961191284847			
[deg] Pointing Roll	3.578014	3.62187359649823			
[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)	162281425.184000	162281050.24403			
Observation start date	2003-02-22T06:09:21	2003-02-22T06:04:10			
[s] Observation end time (MET)	162282425.184000	162282559.55659			
Observation end date	2003-02-22T06:26:01	2003-02-22T06:29:19			

2.3 Aspect



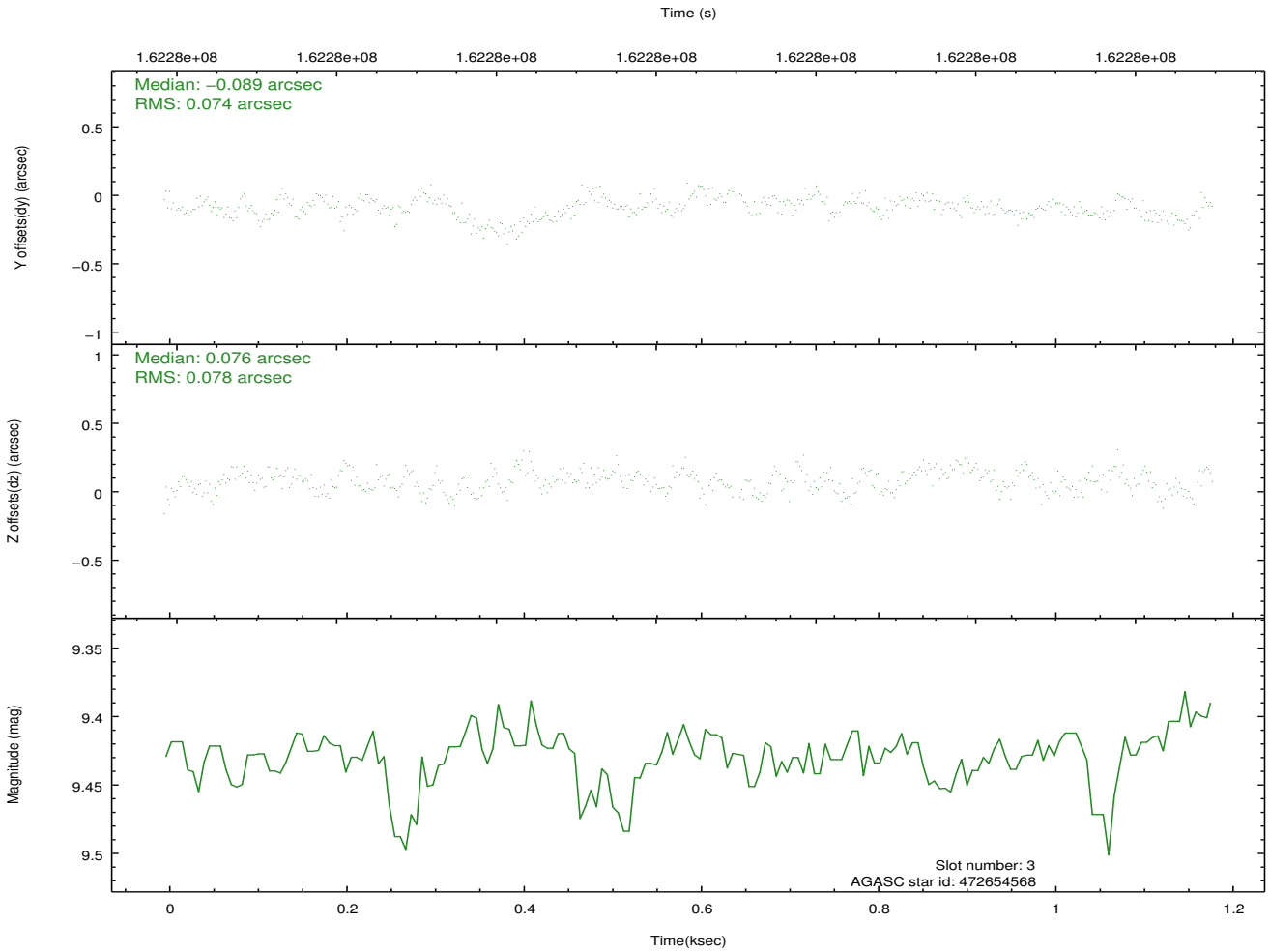
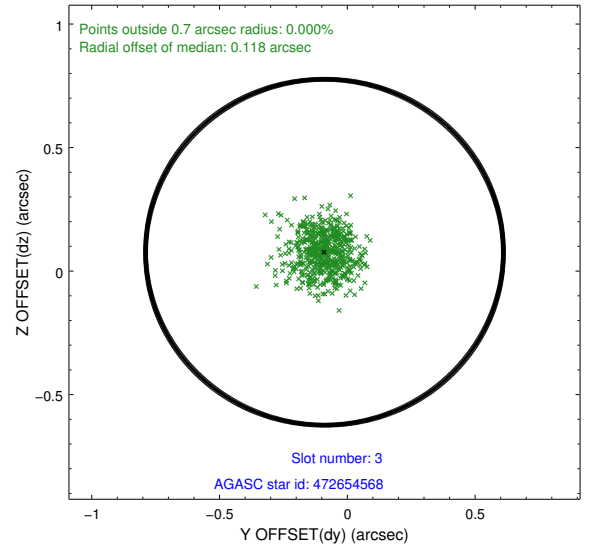
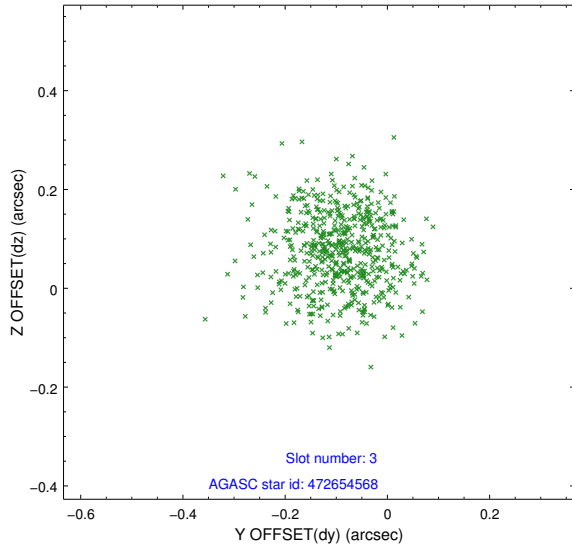


Slot Statistics

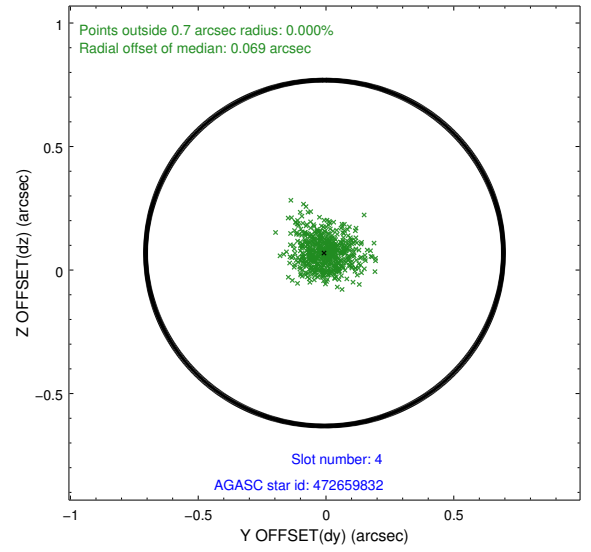
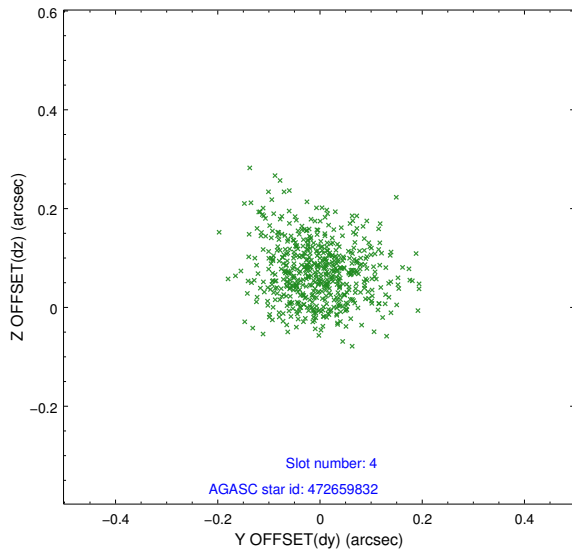
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	289	0.165	-0.179	0.006	0.011	0.000000	0.000000	-1158.19	-458.04
1	FID	HRC-S-2	7.00	289	0.060	-0.086	0.004	0.008	0.000000	0.000000	1237.38	-452.21
2	FID	HRC-S-3	7.02	289	0.165	-0.038	0.006	0.014	0.000000	0.000000	-1156.61	570.07
3	GUIDE	472654568	9.43	575	-0.089	0.076	0.116	0.183	332.194449	45.063576	102.41	-2383.06
4	GUIDE	472659832	9.46	578	-0.006	0.069	0.094	0.163	332.780399	46.098139	1790.42	1246.32
5	GUIDE	472527720	6.98	578	-0.034	-0.058	0.062	0.104	331.460205	45.112509	-1745.16	-2082.89
6	GUIDE	472533912	9.18	578	-0.025	-0.087	0.107	0.179	331.791136	46.368695	-613.54	2366.49
7	GUIDE	472655152	9.42	577	0.153	-0.008	0.094	0.167	332.504239	45.862991	1052.60	447.52

2.4 Star Slots

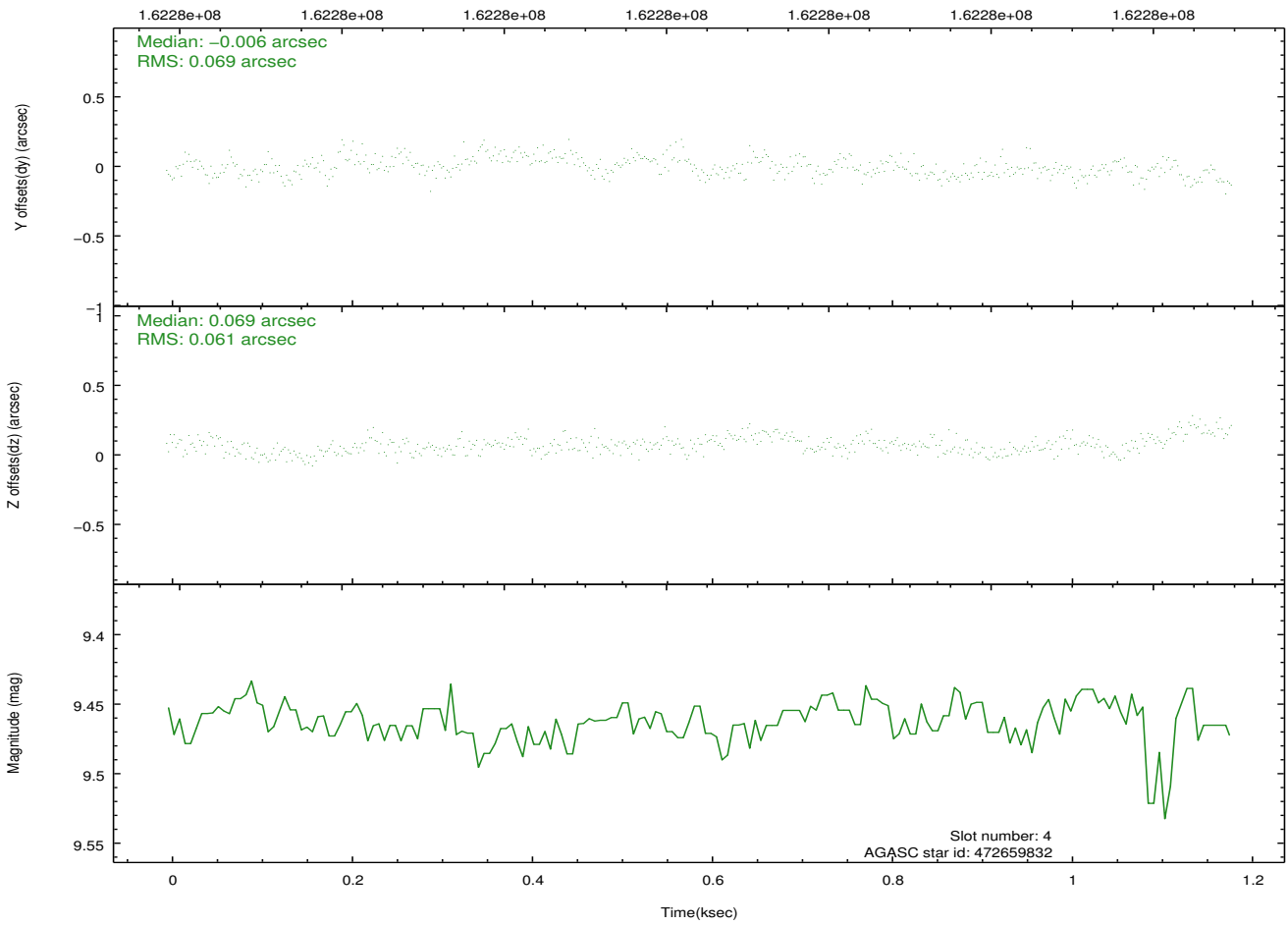
2.4.1 Slot 3



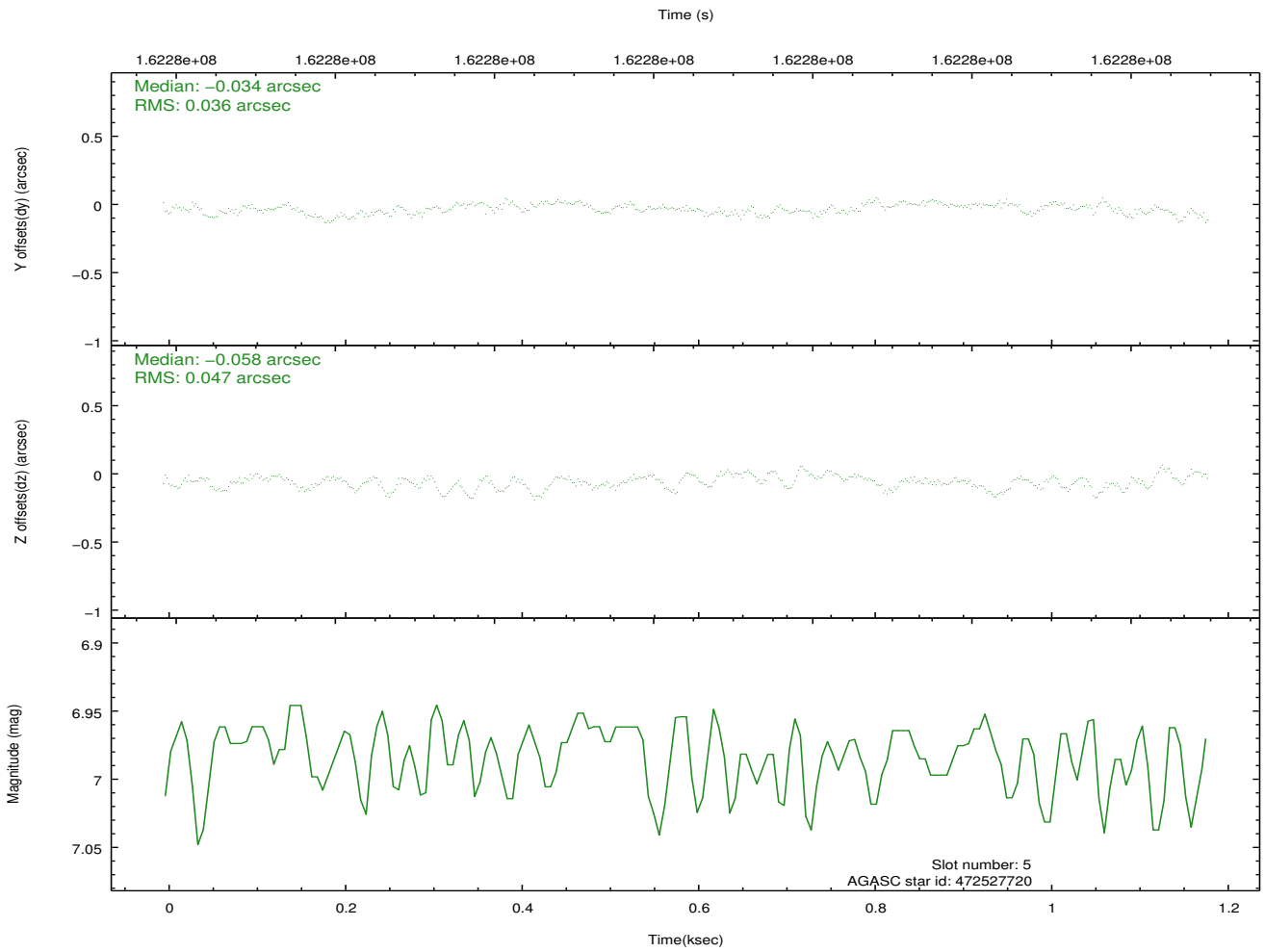
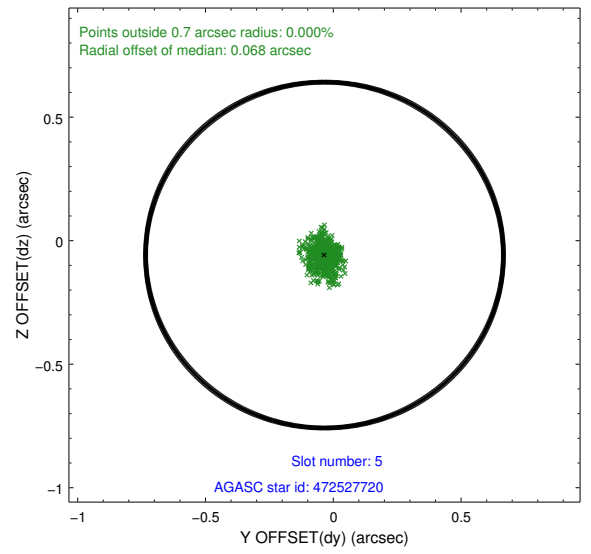
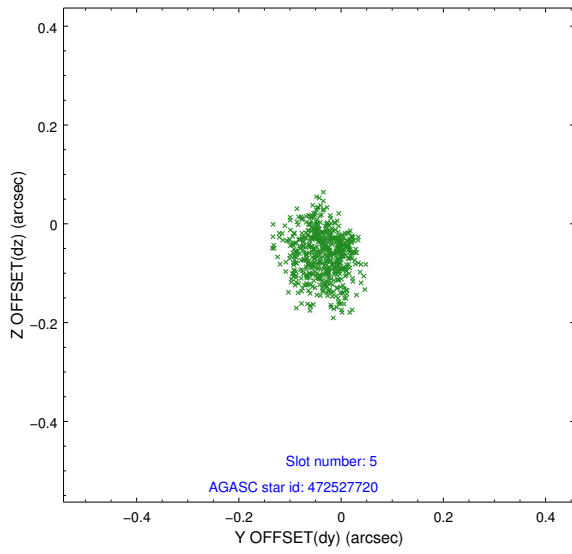
2.4.2 Slot 4



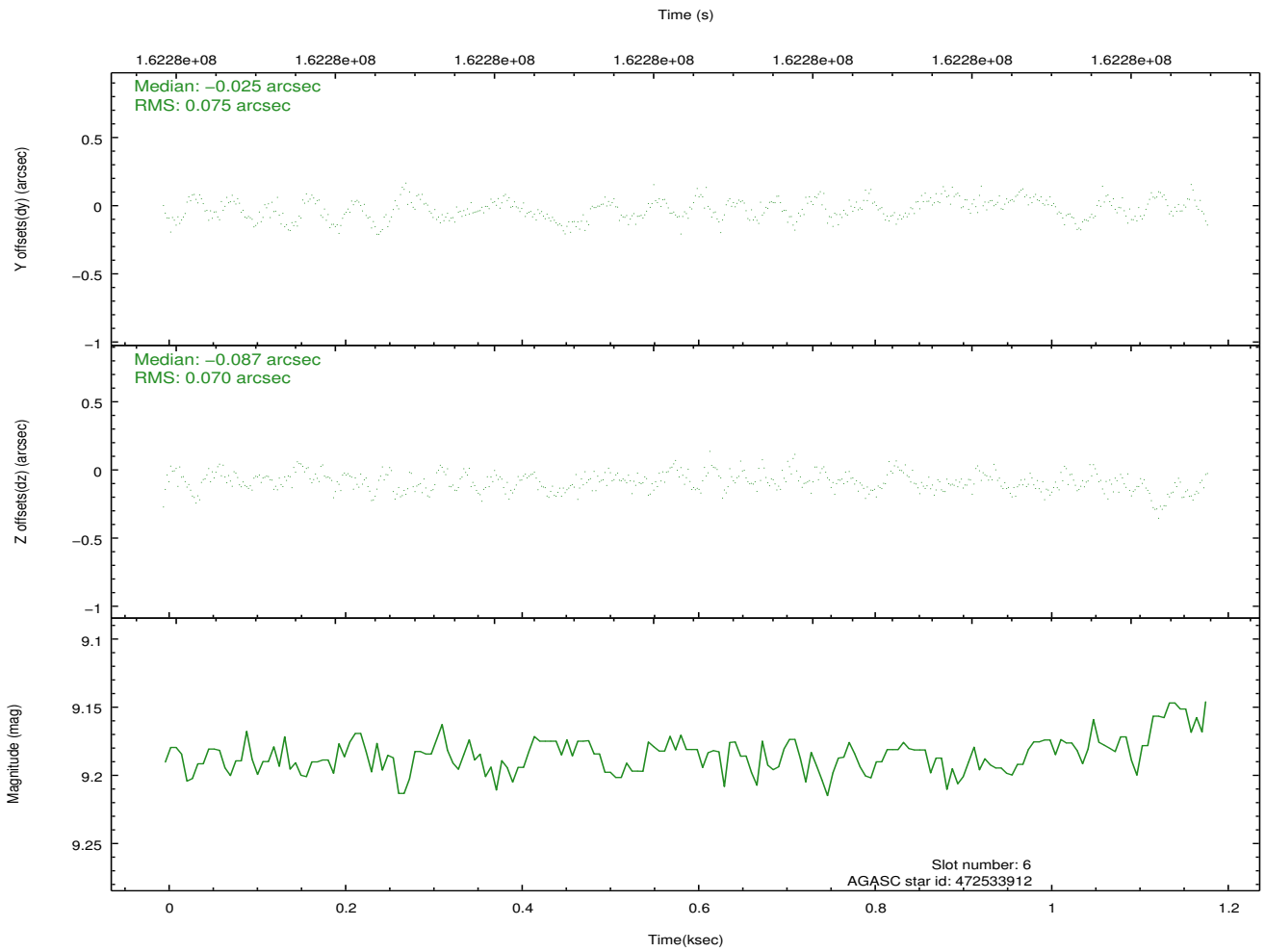
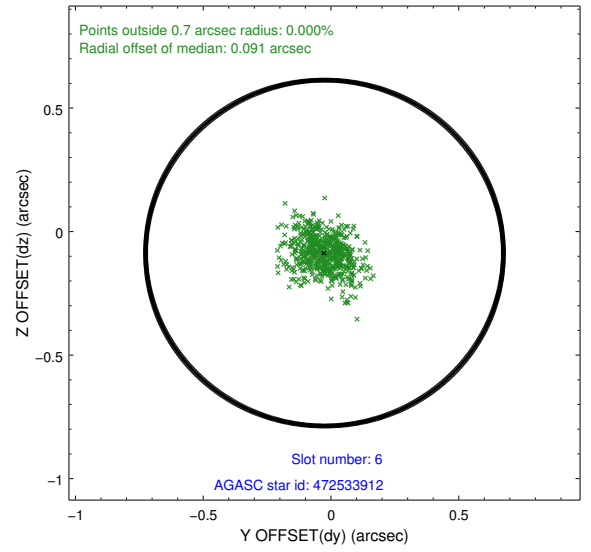
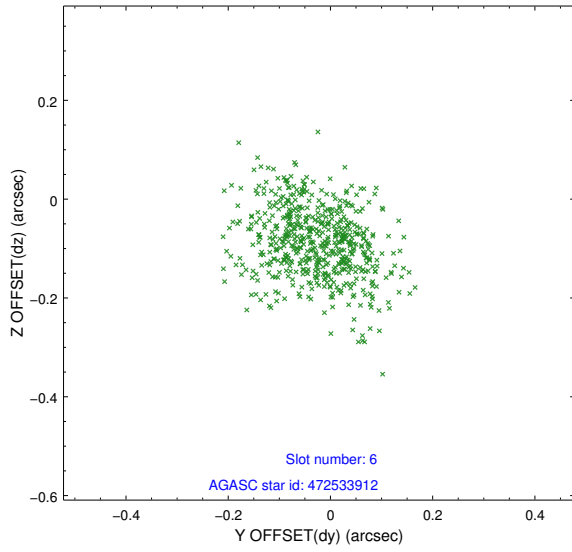
Time (s)



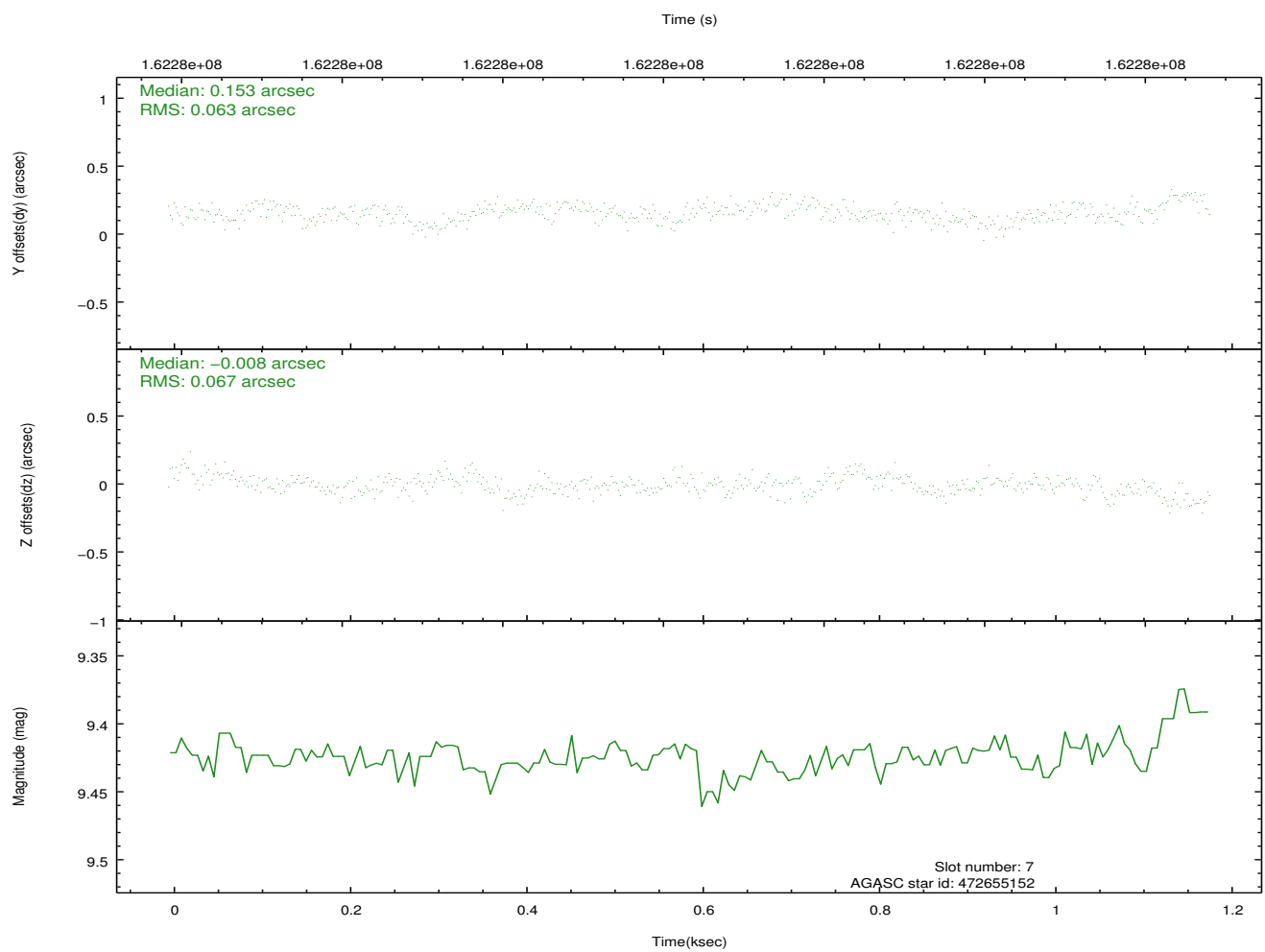
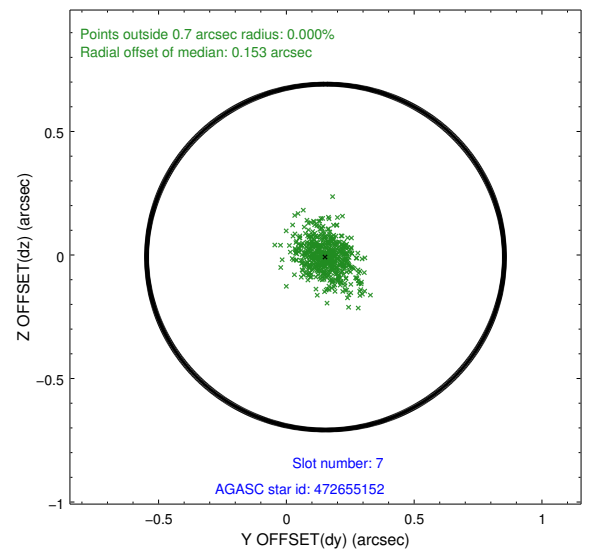
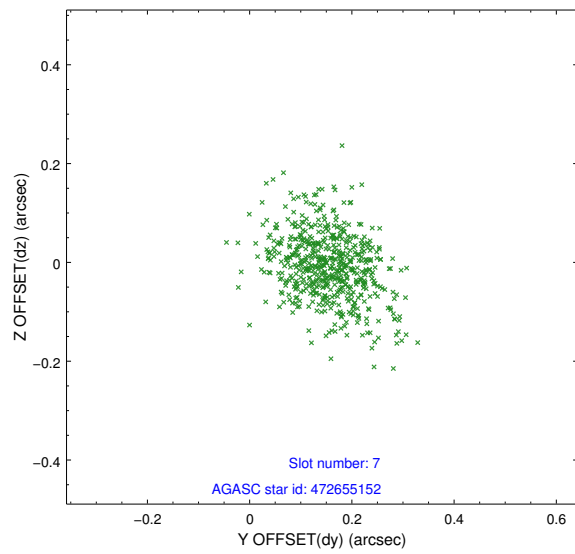
2.4.3 Slot 5



2.4.4 Slot 6

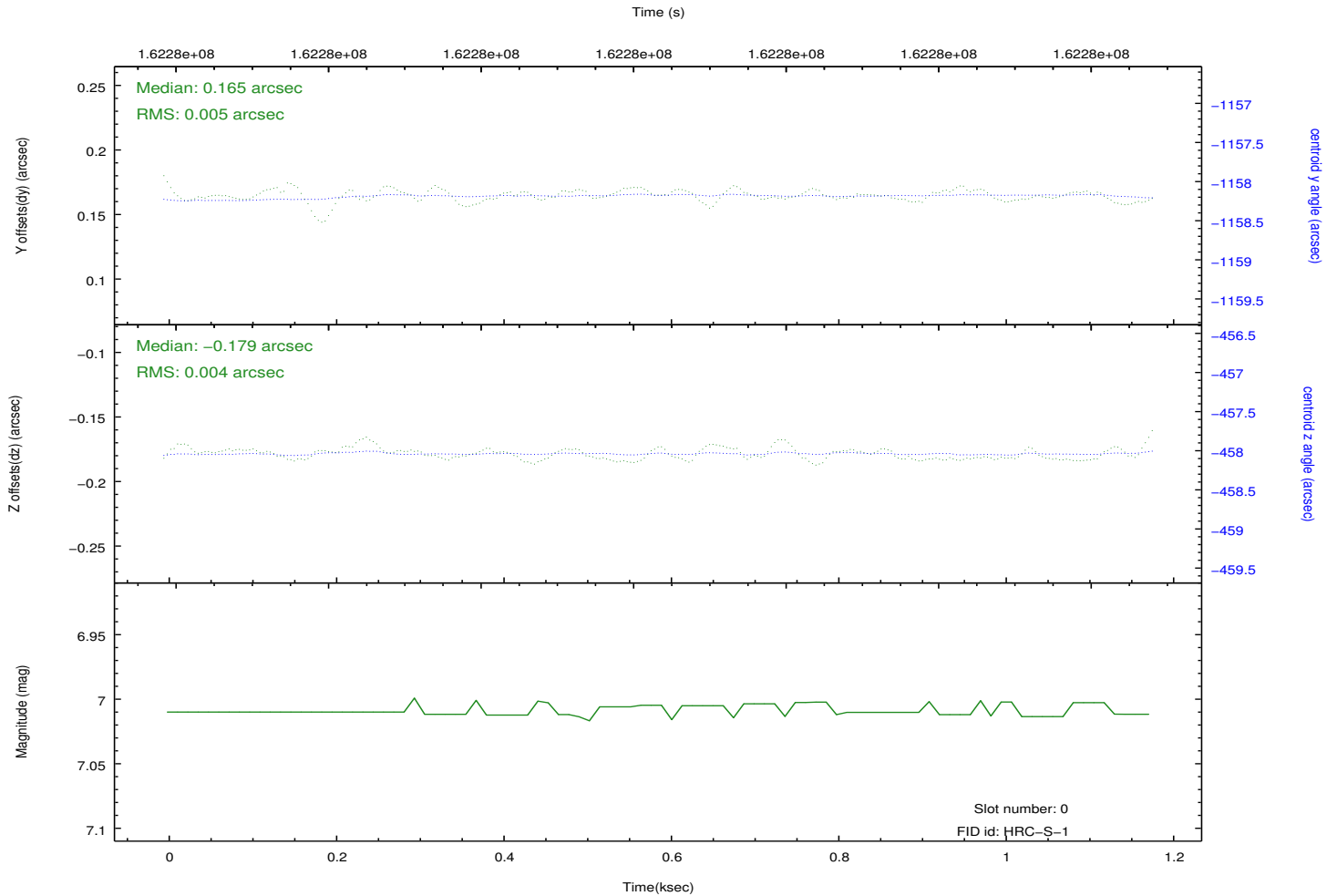
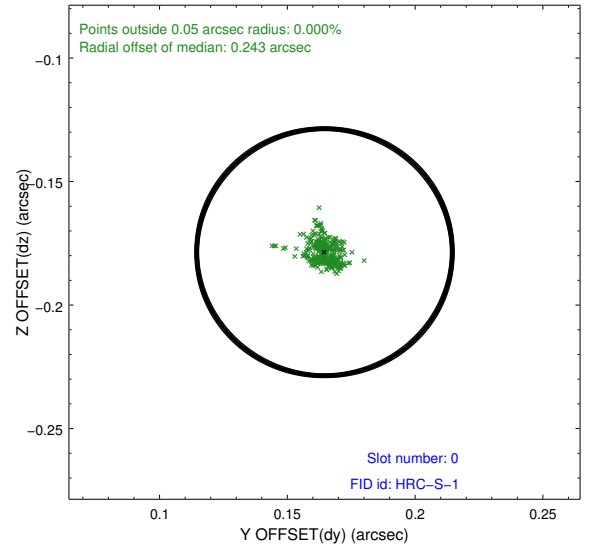
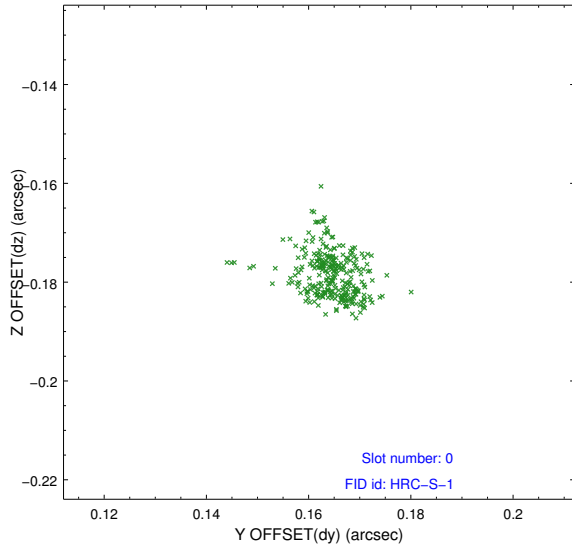


2.4.5 Slot 7

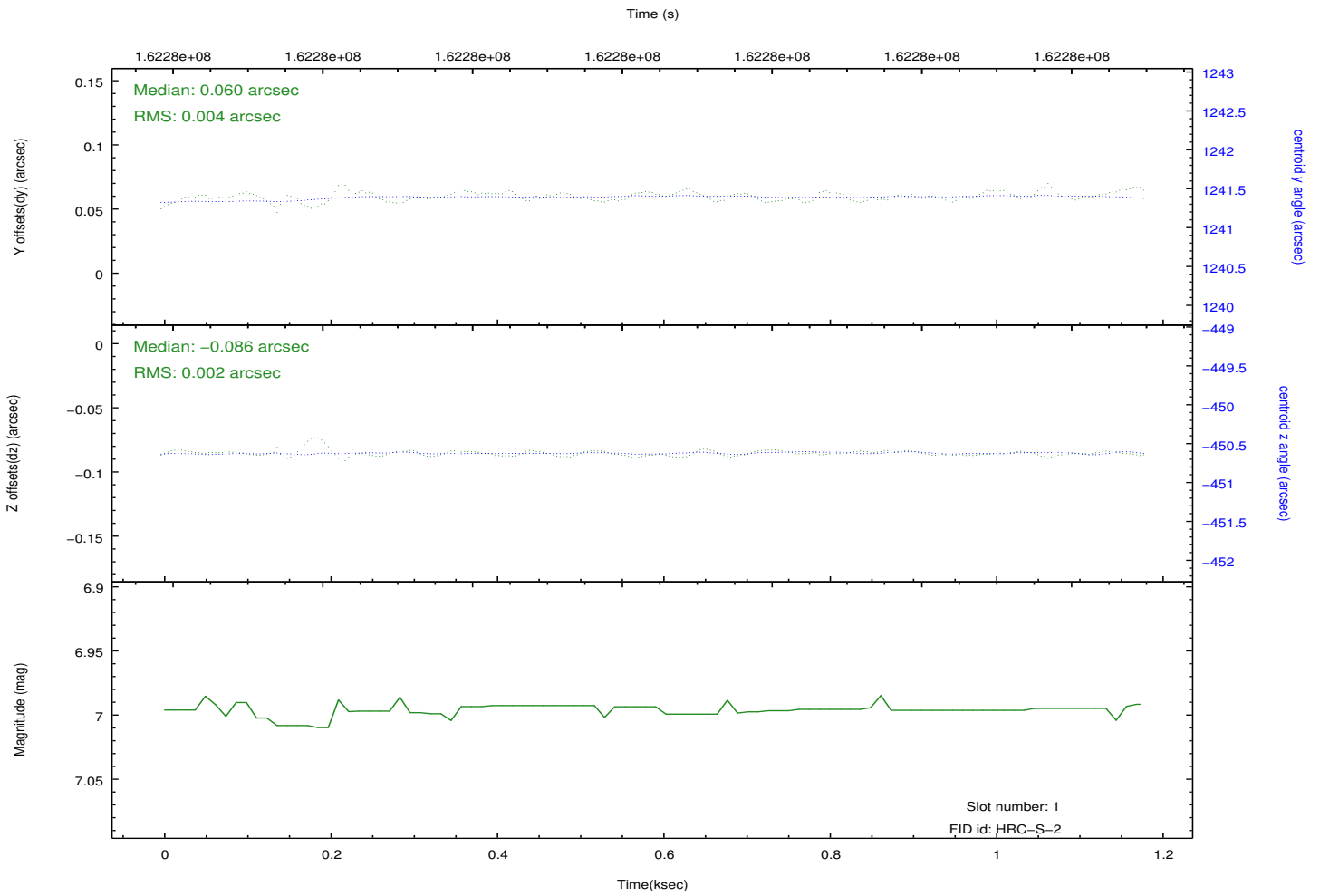
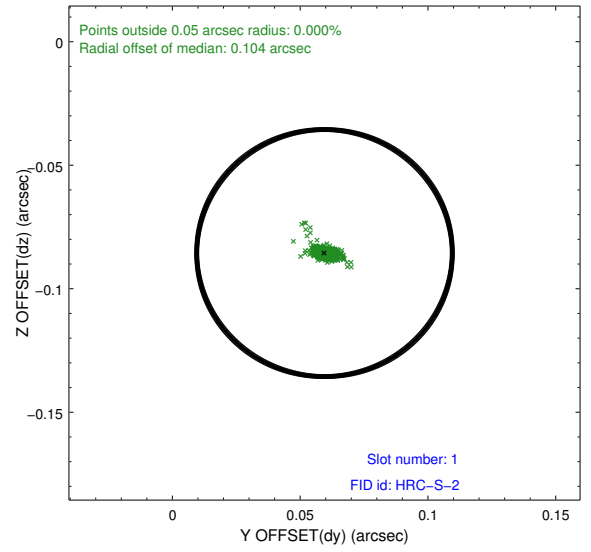
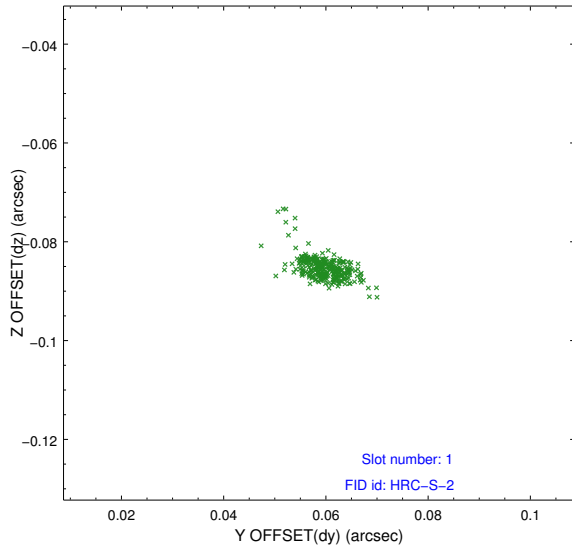


2.5 FID Slots

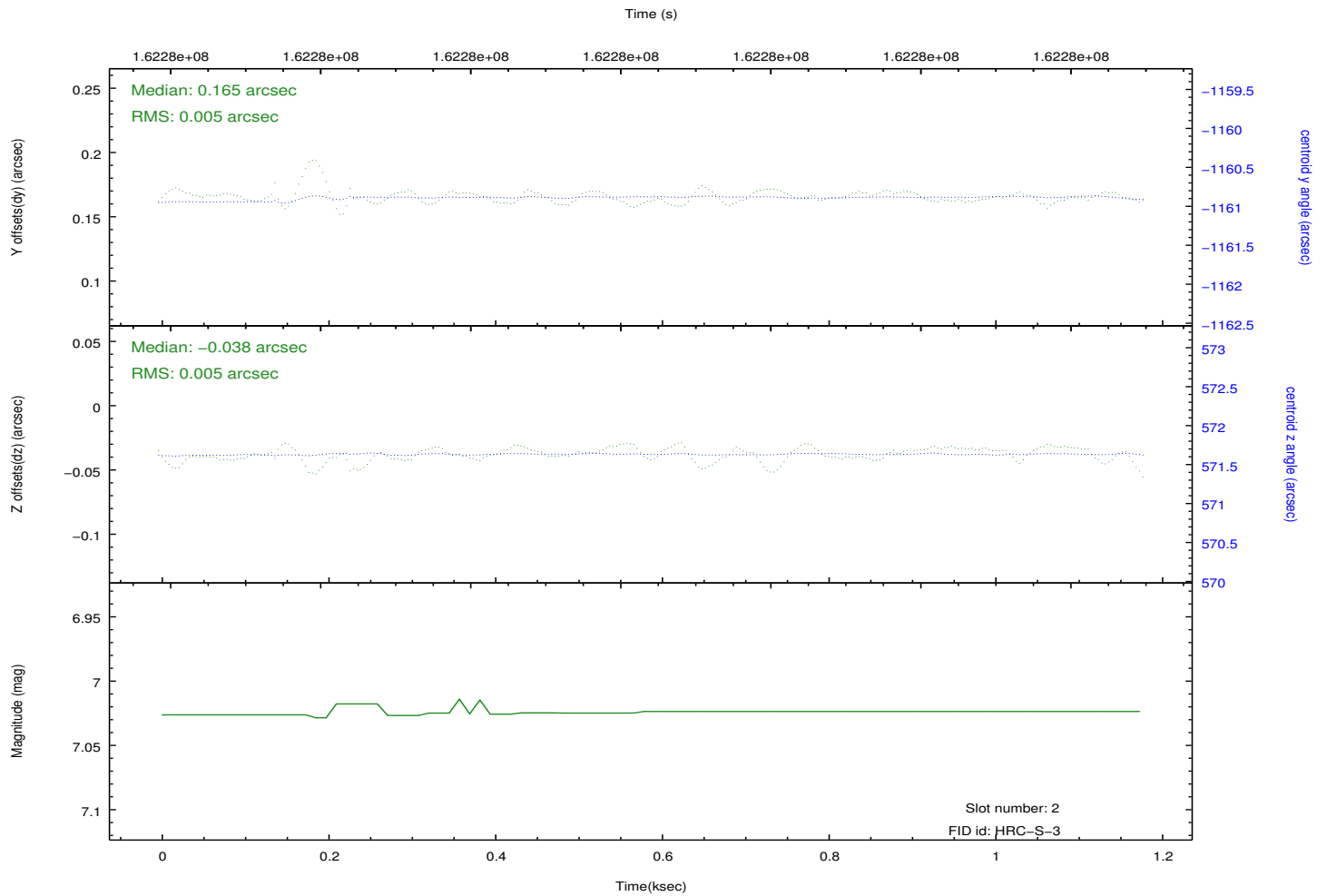
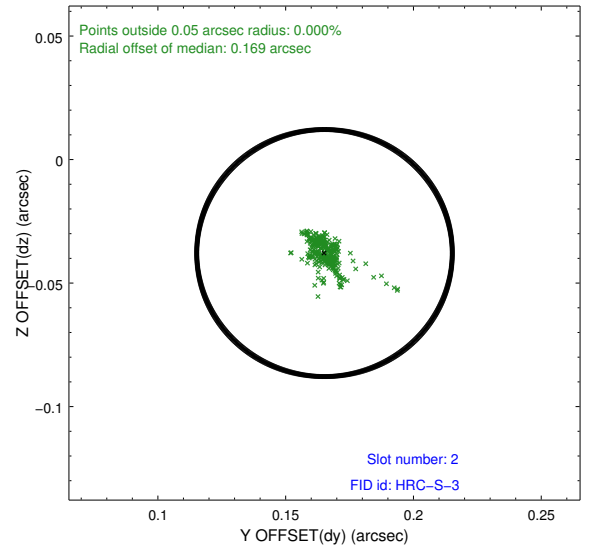
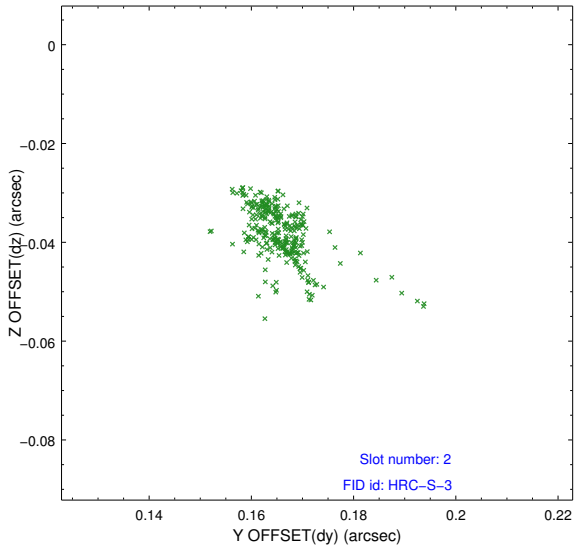
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.142

A.2 Comments