

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4344 - L2 Version 3
Chandra X-Ray Center

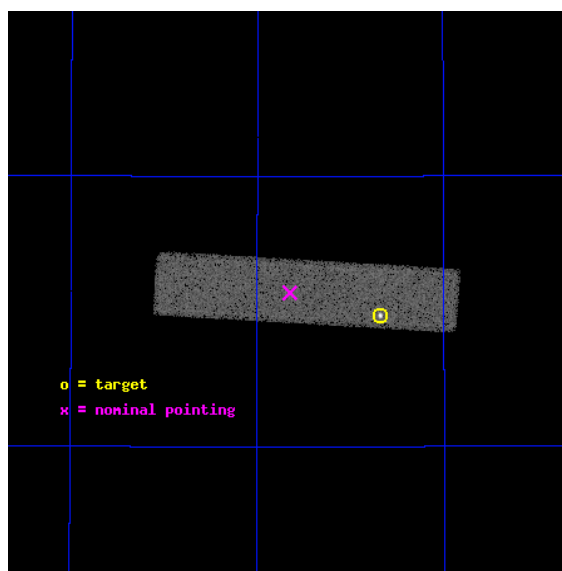
L2 Processing Date : Oct 23 2012

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1 Front

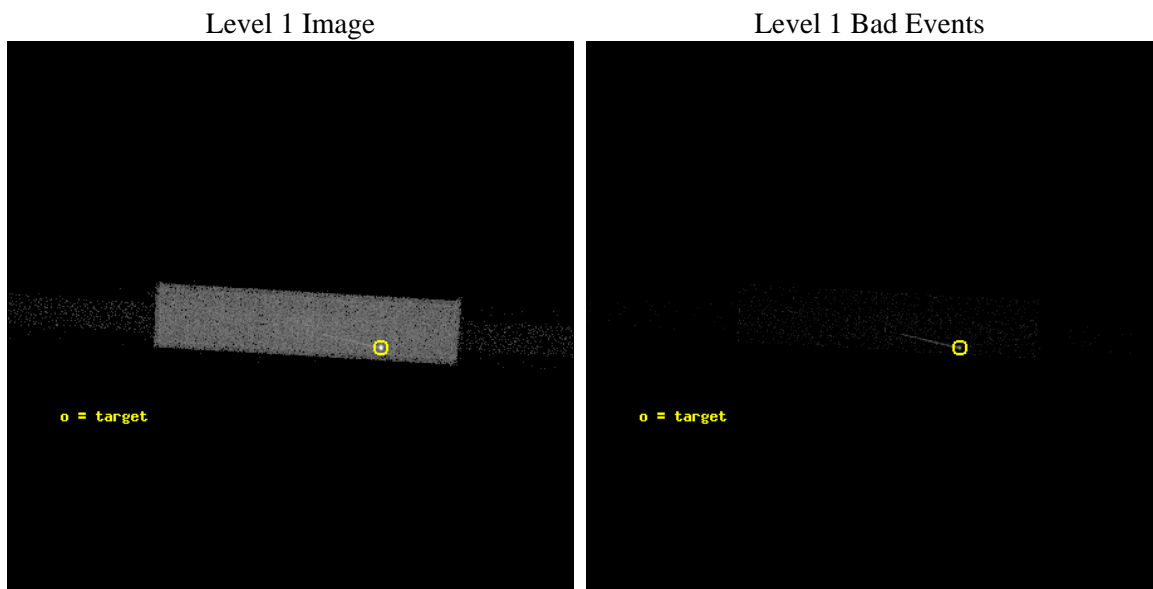
seq_num	290304	Sequence number
obs_id	4344	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.41229939665	Nominal RA [deg]
dec_nom	45.78465242299	Nominal Dec [deg]
roll_nom	3.264023024968	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.1312980652	[s]
livetime	1137.0289328472	Ontime multiplied by DTCOR
l2events	42474	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1143.1312980652	[s]
caldsver	4.5.2	 	l1events	69066	Number of level 1 events
date	2012-10-23T09:25:46	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

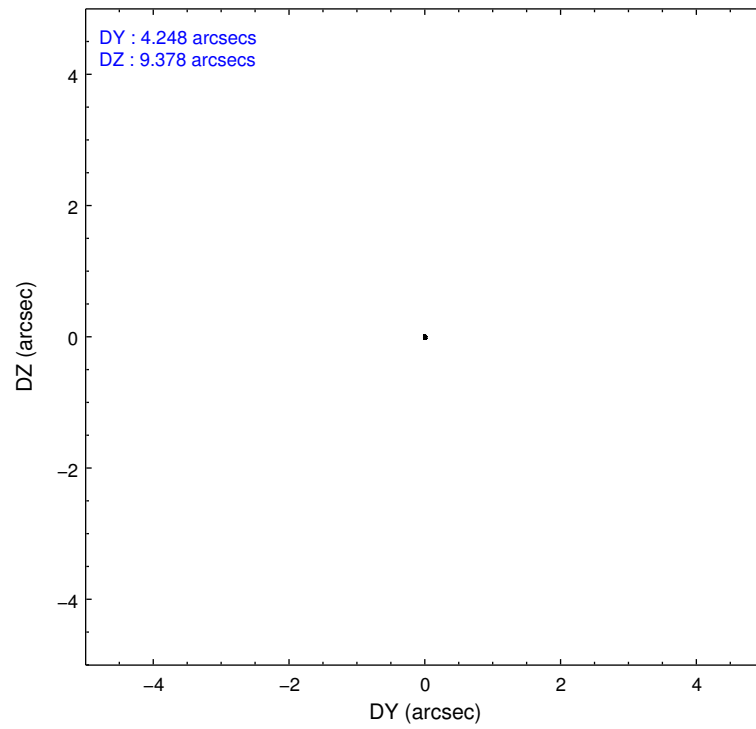
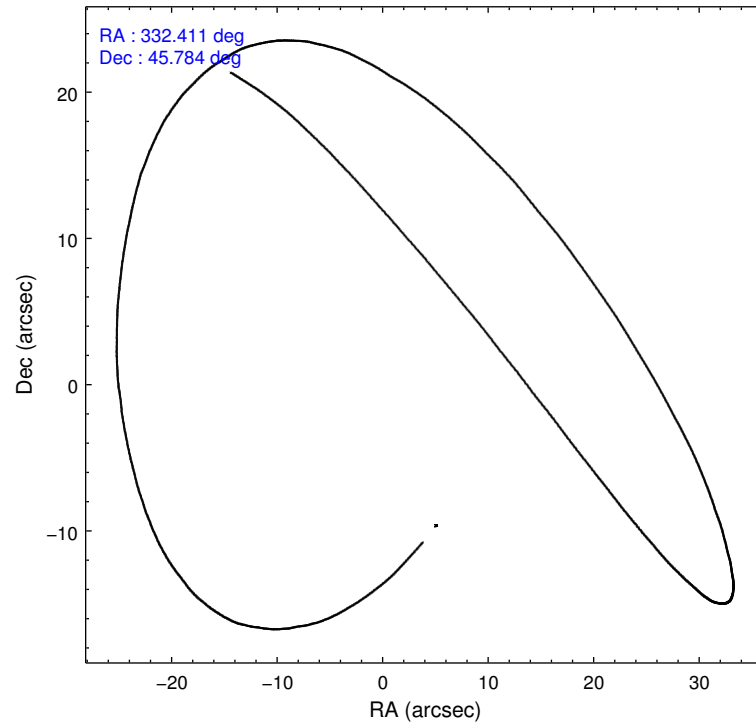
Level 1 Events

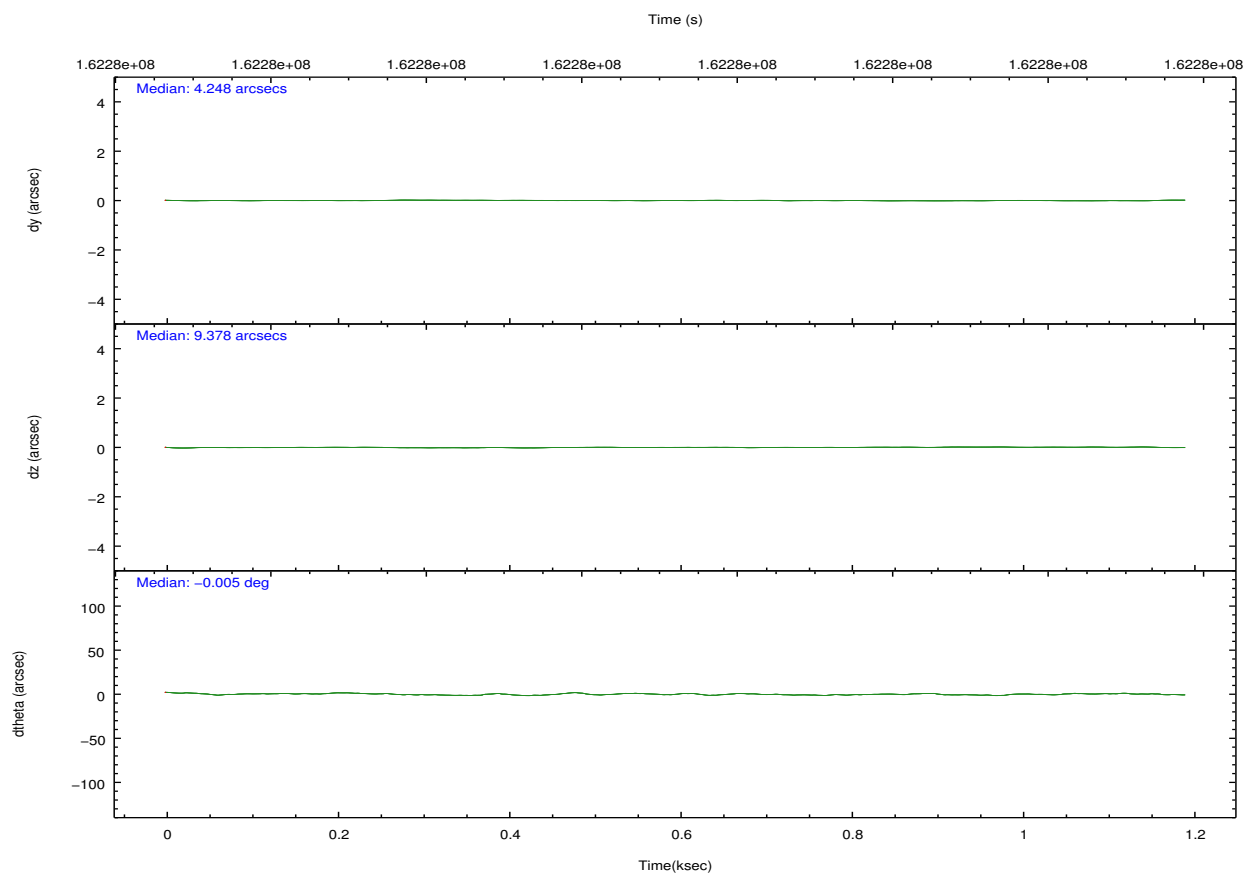
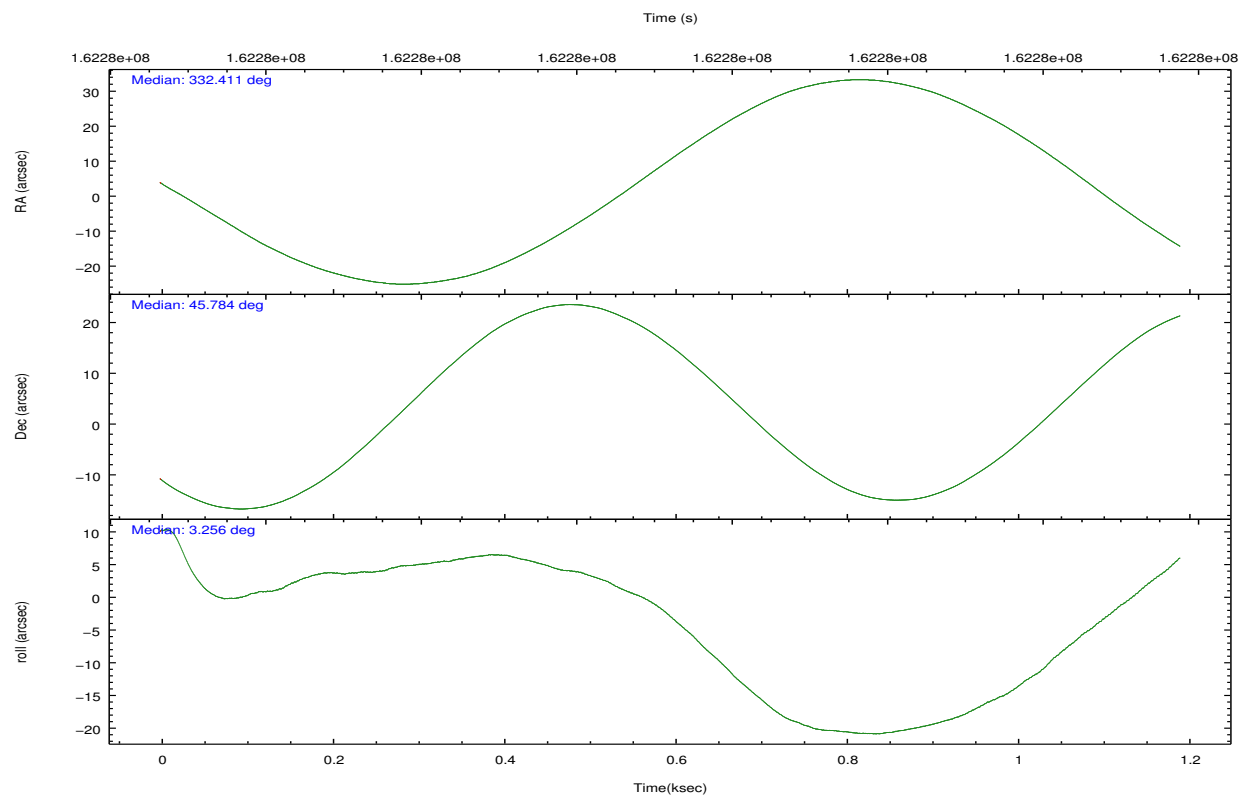
	segment 1	segment 2	segment 3
level 1 events	1122	66792	1152
rejected events	1122	14980	1152
rejected %	100%	22%	100%

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	332.379354	332.4122993966499			
[deg] Pointing Dec	45.768409	45.78465242298996			
[deg] Pointing Roll	3.220122	3.264023024968012			
[s] Window start time (MET)	161697664.184000	161697664.184000			
[s] Window stop time (MET)	165412864.184000	165412864.184000			
[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)	162279915.184000	162279539.39397			
Observation start date	2003-02-22T05:44:11	2003-02-22T05:38:59			
[s] Observation end time (MET)	162280915.184000	162281050.24403			
Observation end date	2003-02-22T06:00:51	2003-02-22T06:04:10			

2.3 Aspect



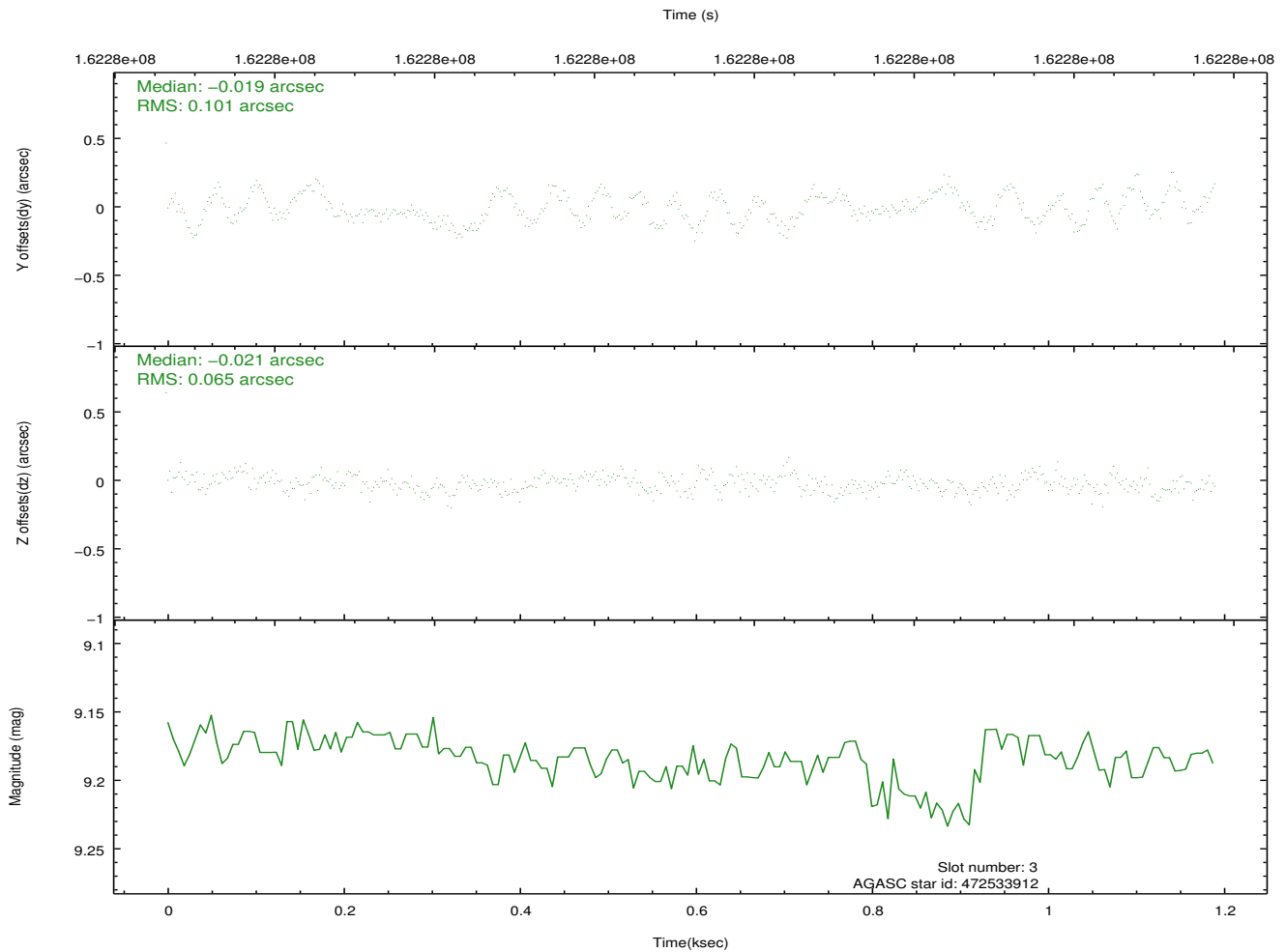
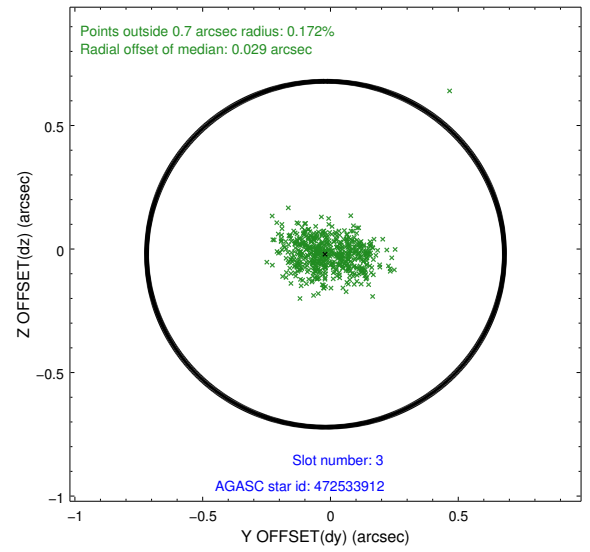
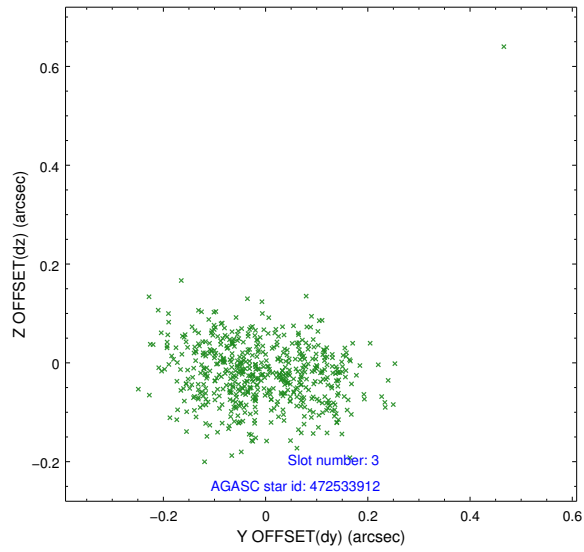


Slot Statistics

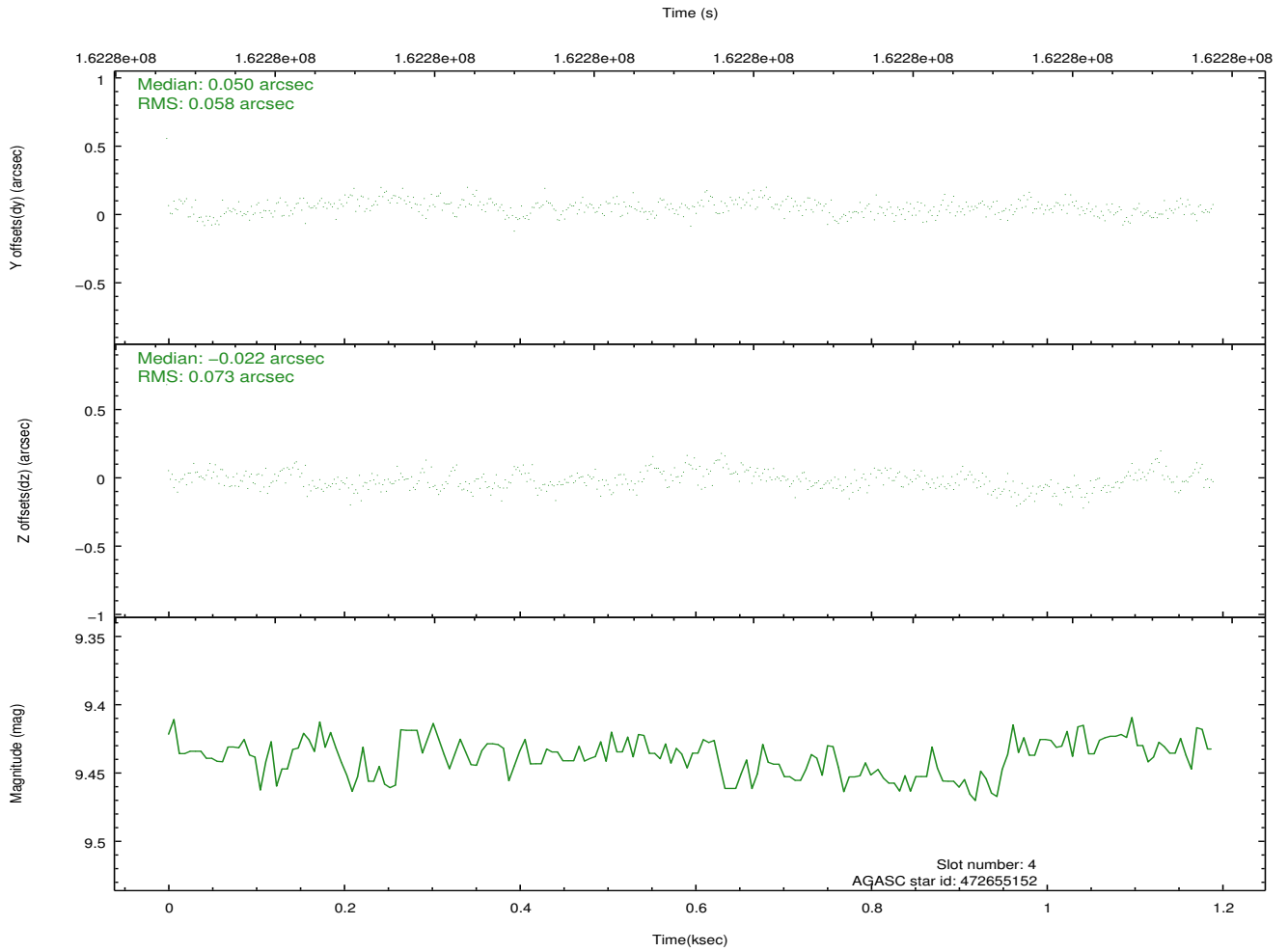
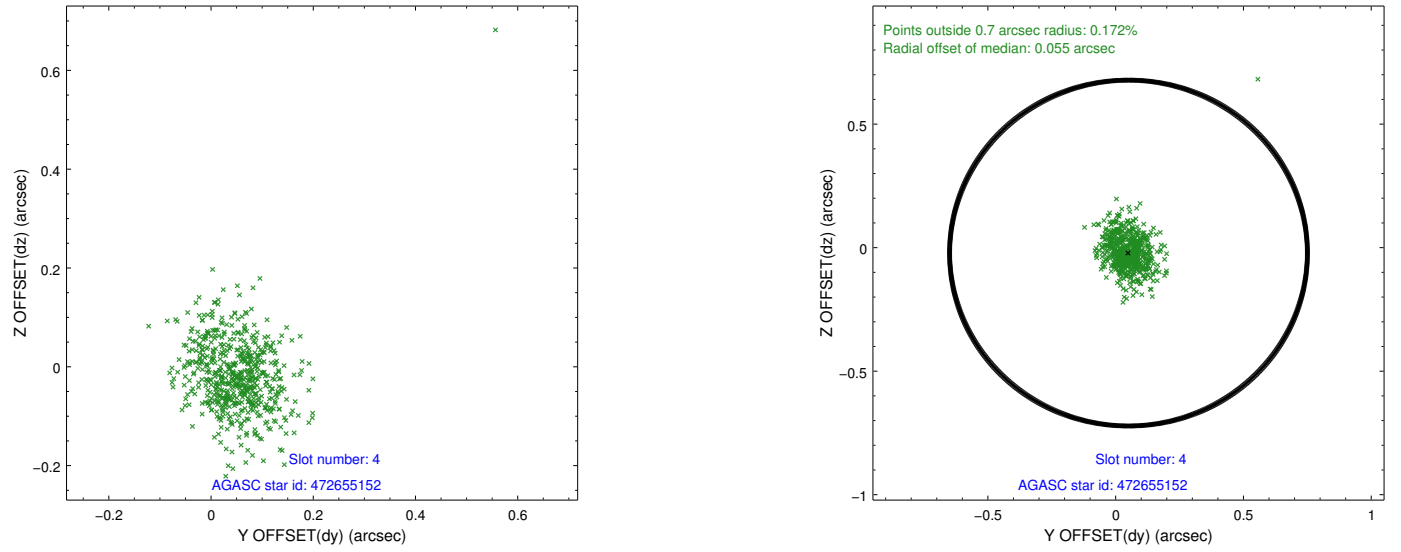
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	291	0.184	-0.106	0.005	0.010	0.000000	0.000000	-1158.25	-458.01
1	FID	HRC-S-2	7.00	291	0.076	-0.114	0.011	0.024	0.000000	0.000000	1237.34	-452.17
2	FID	HRC-S-4	6.96	291	0.144	-0.084	0.010	0.020	0.000000	0.000000	1244.19	572.61
3	GUIDE	472533912	9.18	582	-0.019	-0.021	0.125	0.190	331.791136	46.368695	-1336.84	2247.31
4	GUIDE	472655152	9.44	581	0.050	-0.022	0.091	0.158	332.504239	45.862991	330.22	328.88
5	GUIDE	472655704	9.47	581	0.016	-0.033	0.103	0.164	332.167195	45.285228	-632.66	-1702.92
6	GUIDE	472659832	9.46	582	-0.019	0.021	0.110	0.169	332.780399	46.098139	1065.85	1131.12
7	GUIDE	472523240	10.17	572	-0.025	0.041	0.135	0.223	331.536092	45.479553	-2179.99	-903.63

2.4 Star Slots

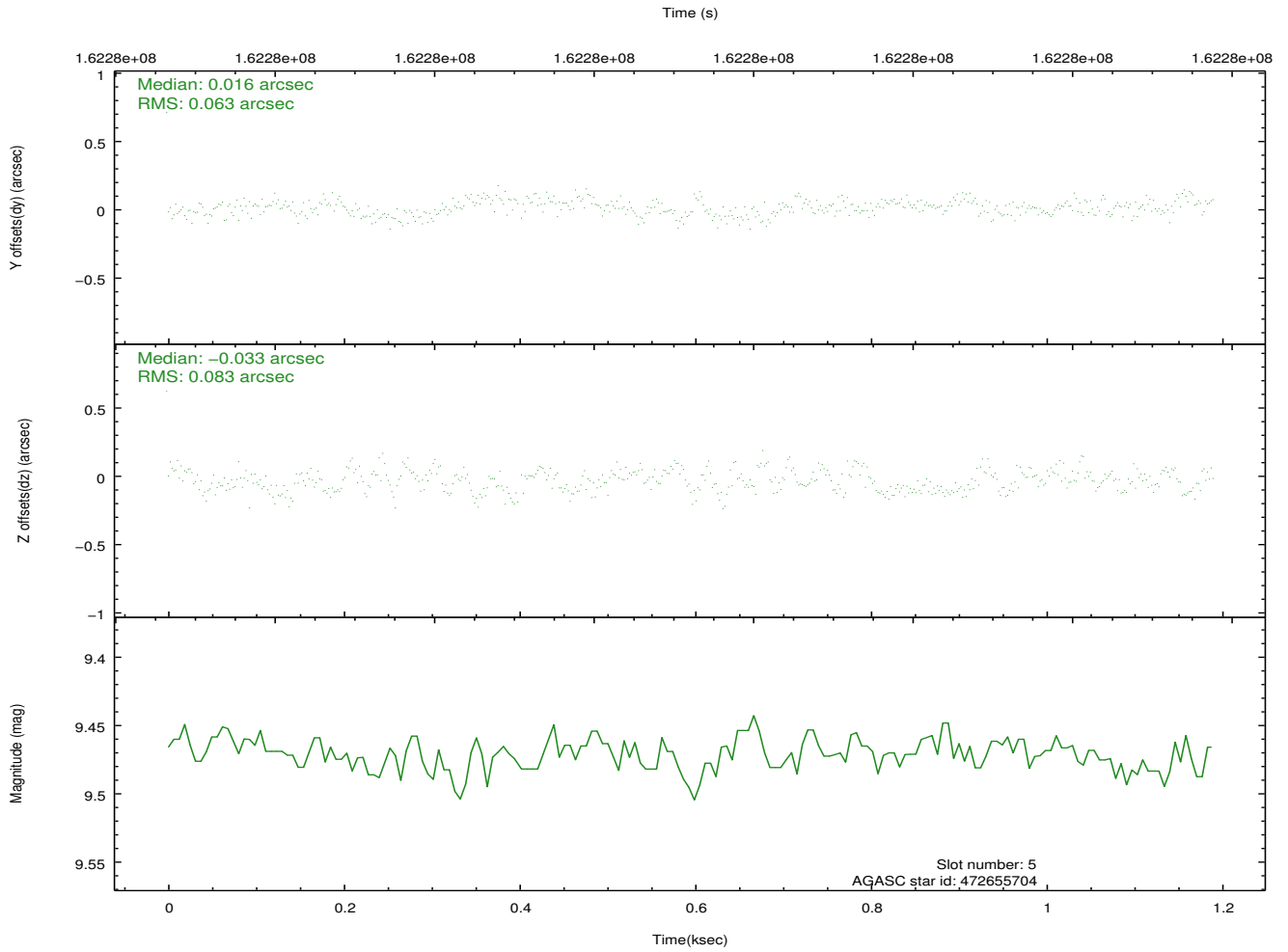
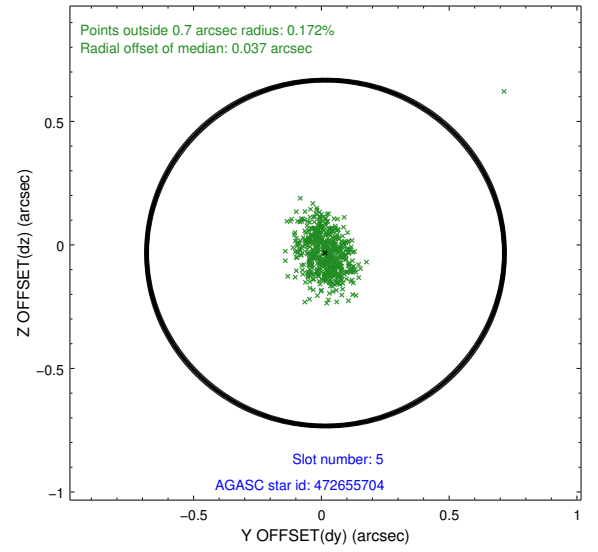
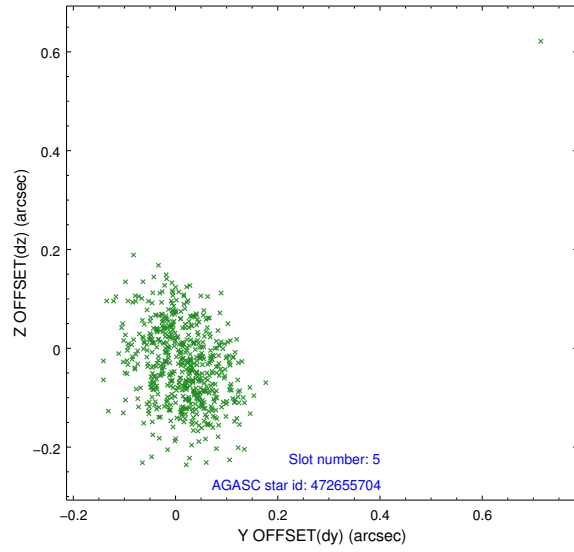
2.4.1 Slot 3



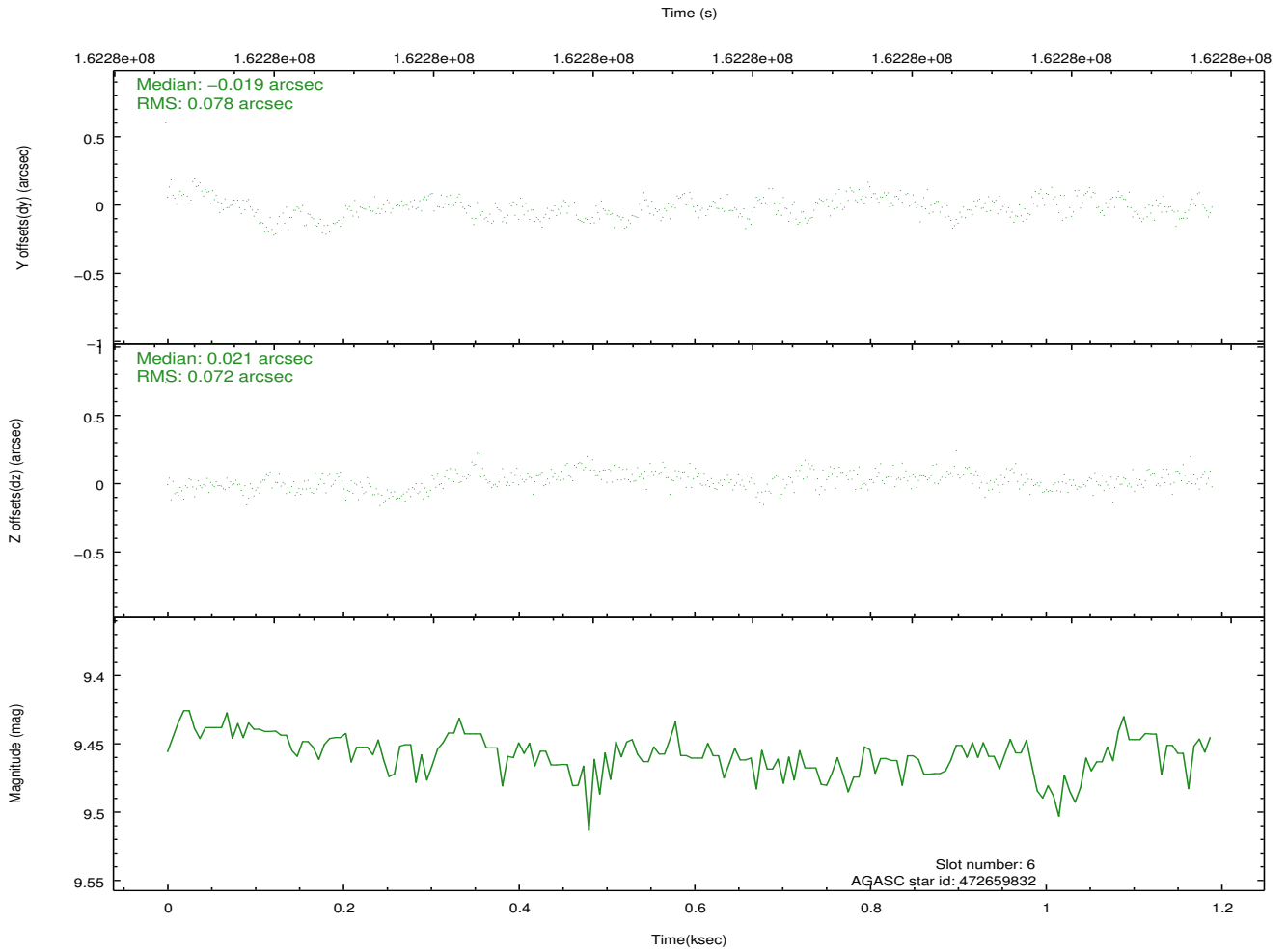
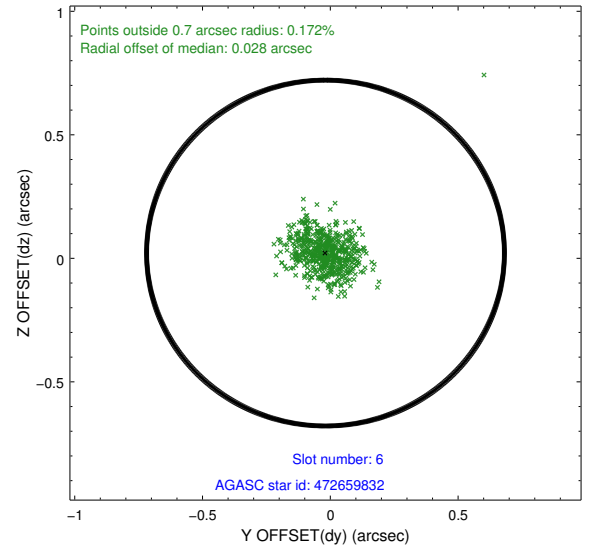
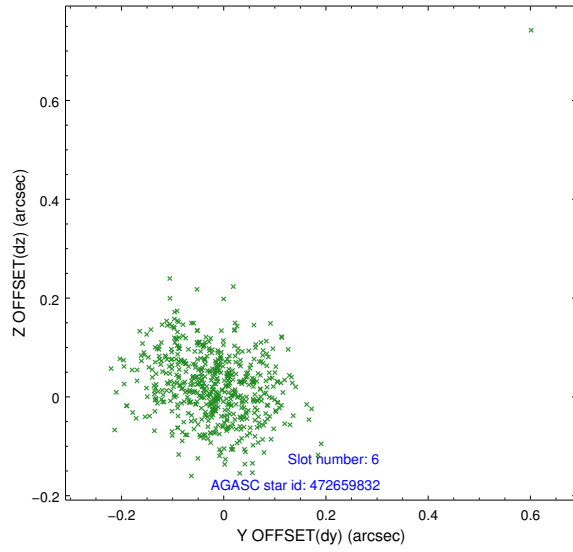
2.4.2 Slot 4



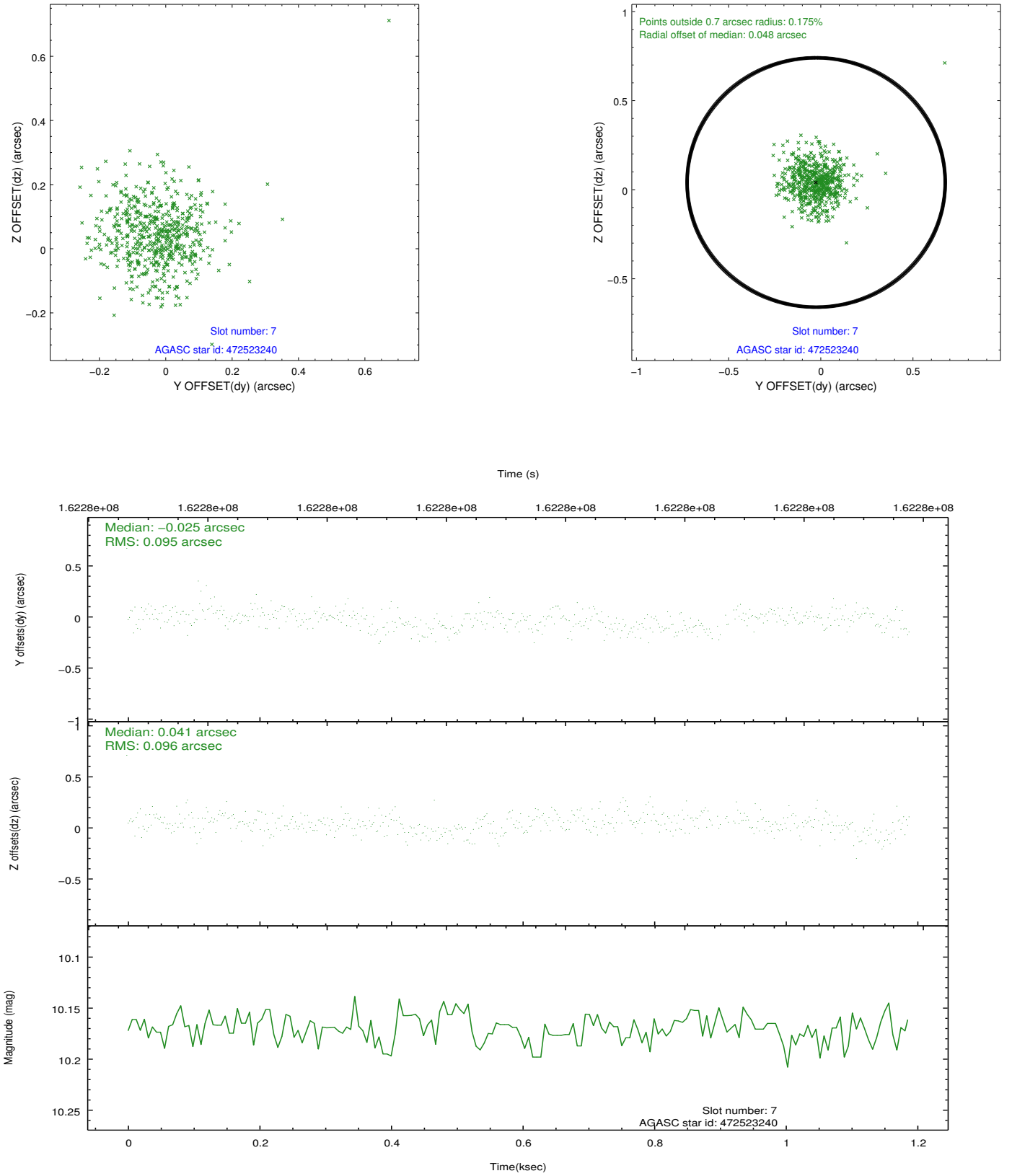
2.4.3 Slot 5



2.4.4 Slot 6

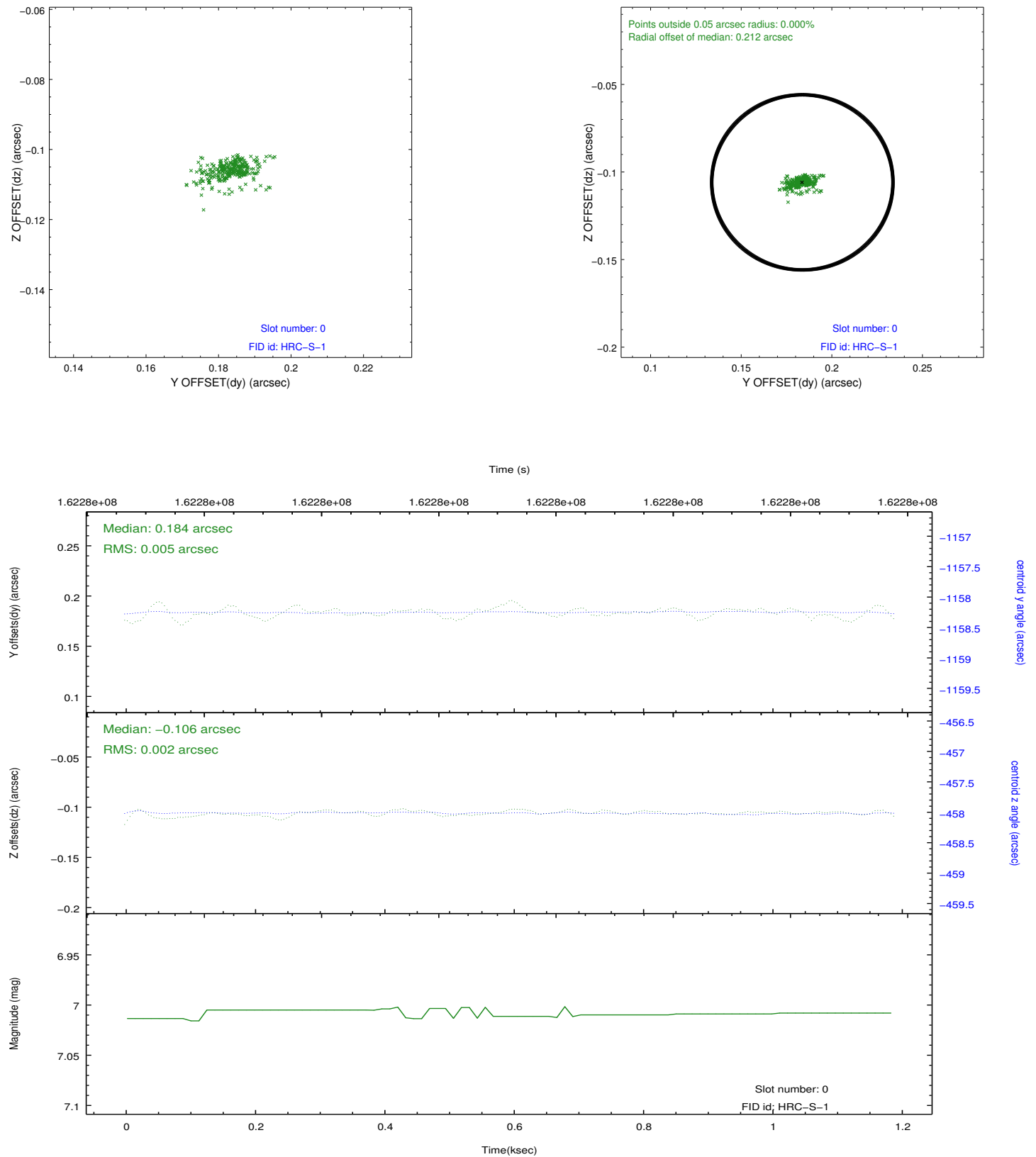


2.4.5 Slot 7

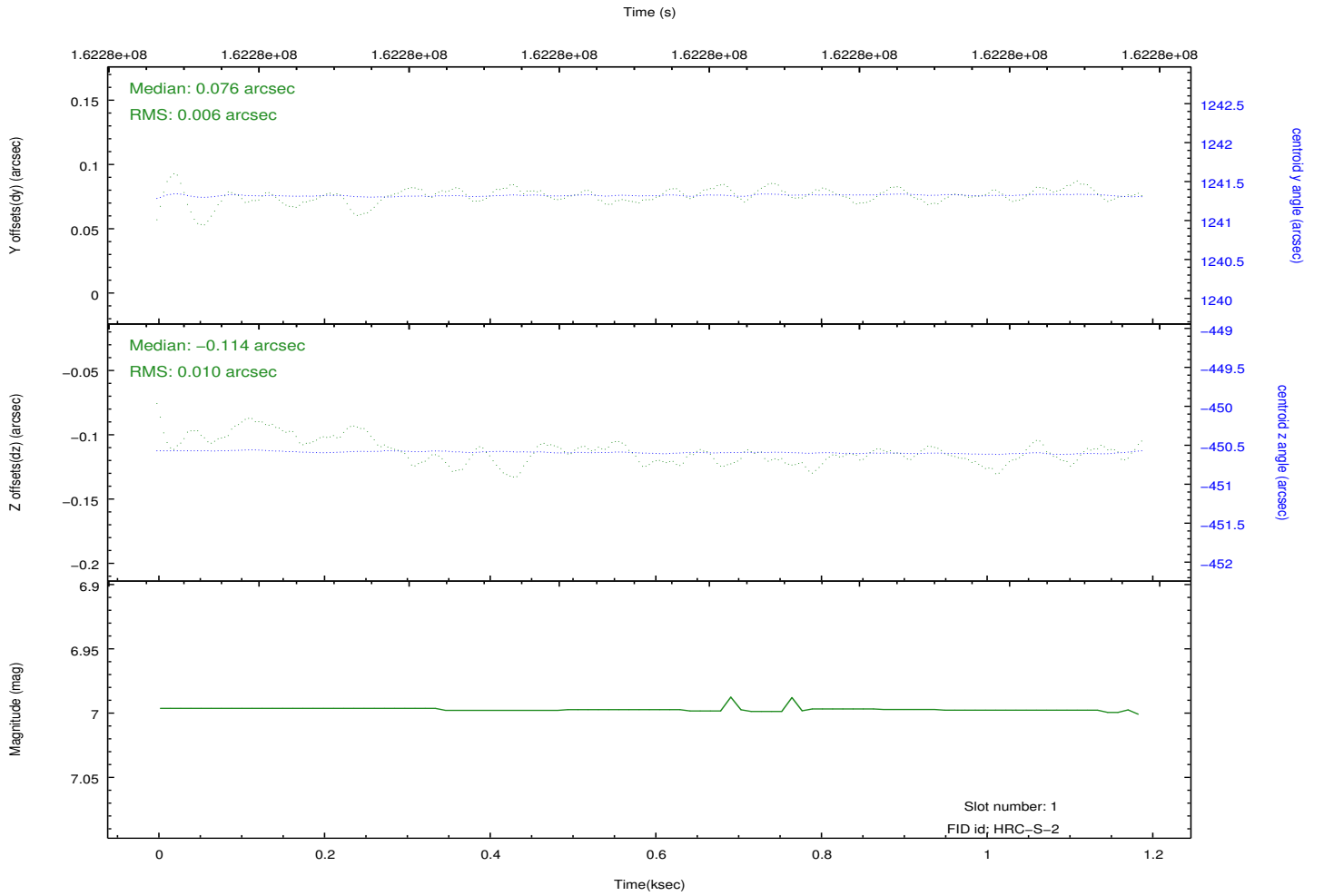
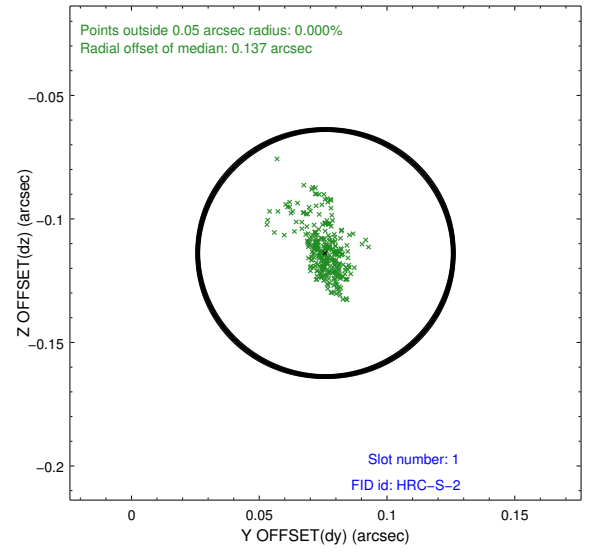
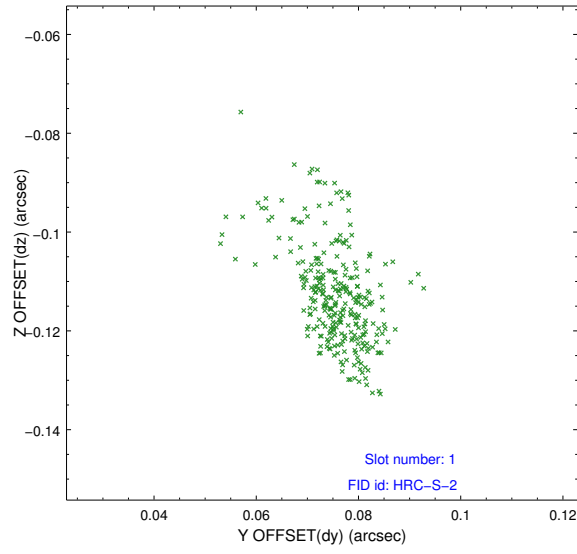


2.5 FID Slots

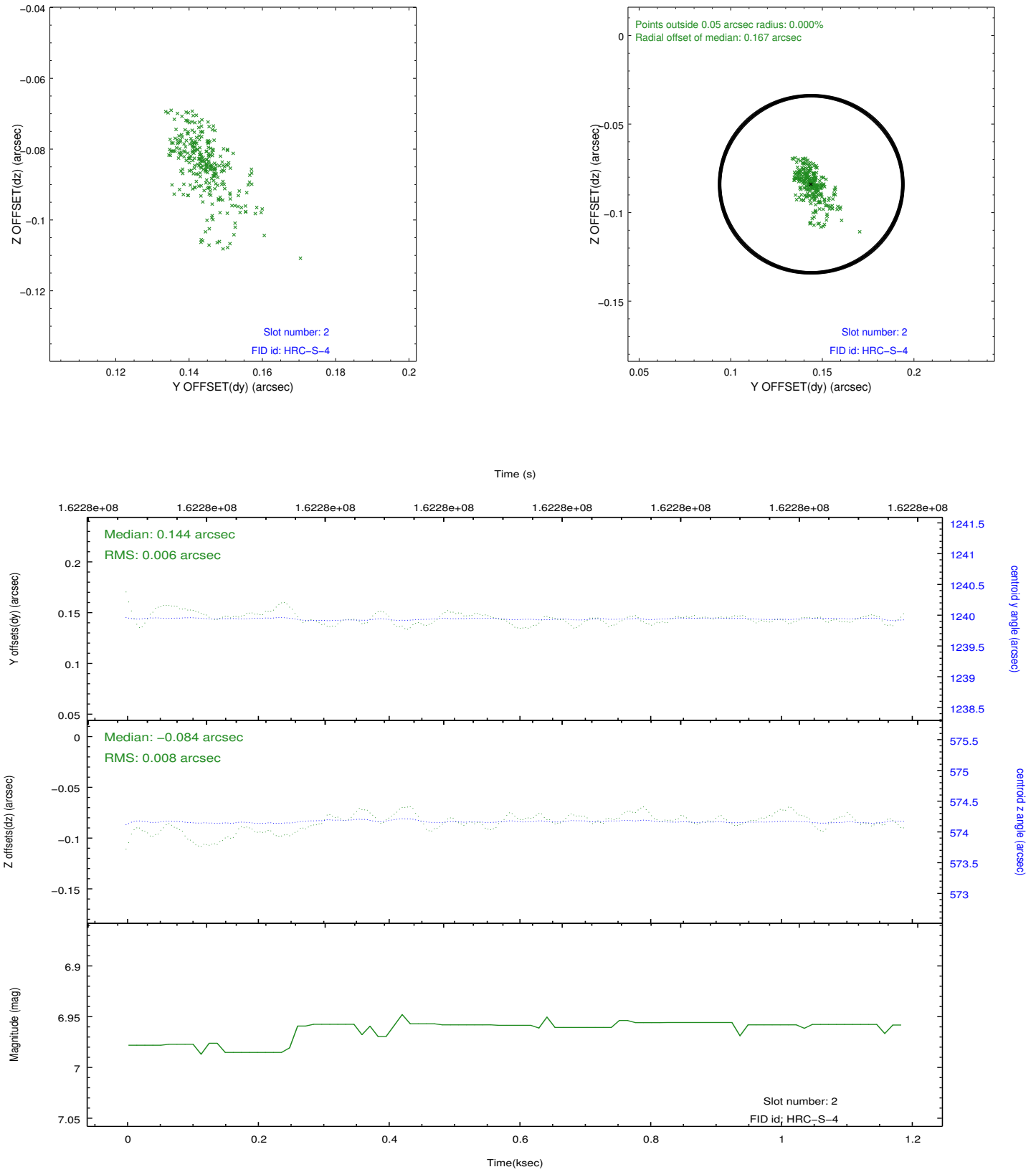
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.143

A.2 Comments

Window constraint met.