

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4291 - L2 Version 4
Chandra X-Ray Center

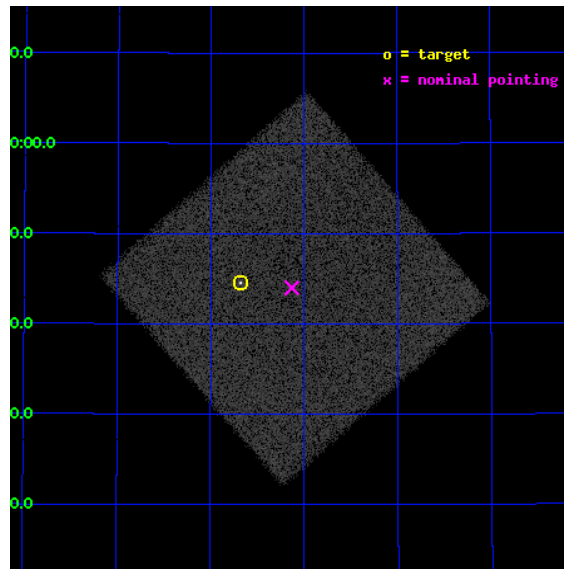
L2 Processing Date : Oct 23 2012

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1 Front

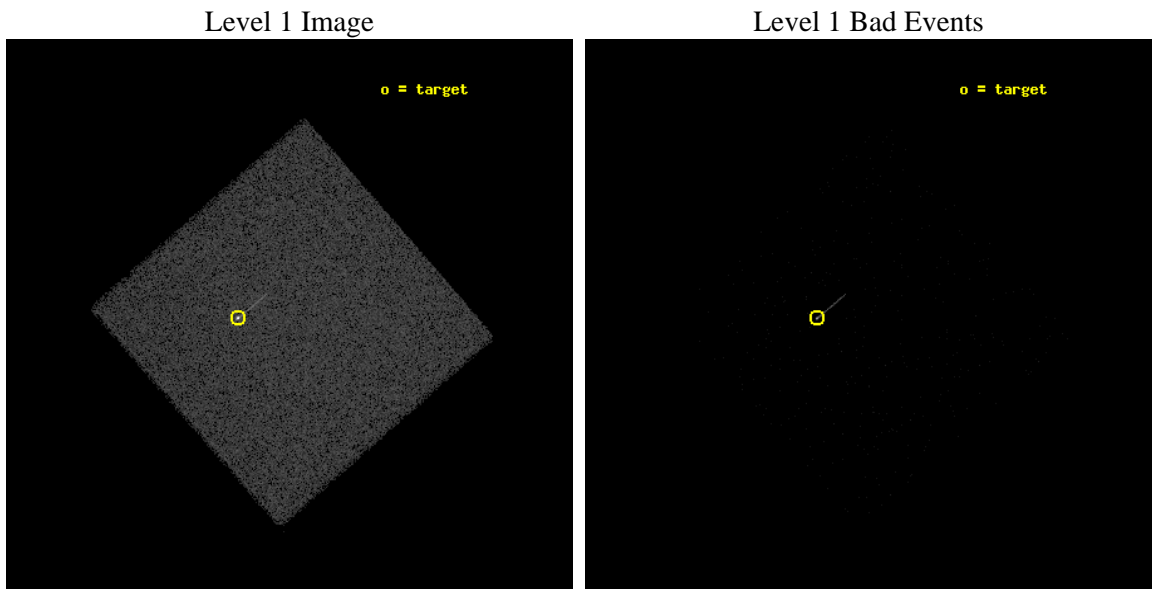
seq_num	290251	Sequence number
obs_id	4291	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.03274663699	Nominal RA [deg]
dec_nom	45.733435410382	Nominal Dec [deg]
roll_nom	3.7619229569198	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1312997937	[s]
livetime	1166.2836368697	Ontime multiplied by DTCOR
l2events	91857	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	1184.1312997937	[s]
caldbver	4.5.2	 	l1events	164652	Number of level 1 events
date	2012-10-23T09:28:00	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

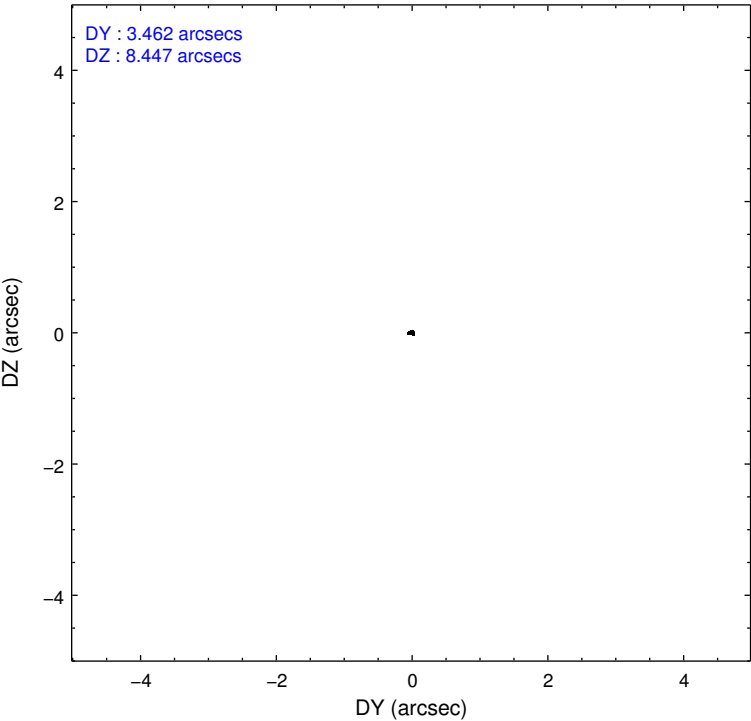
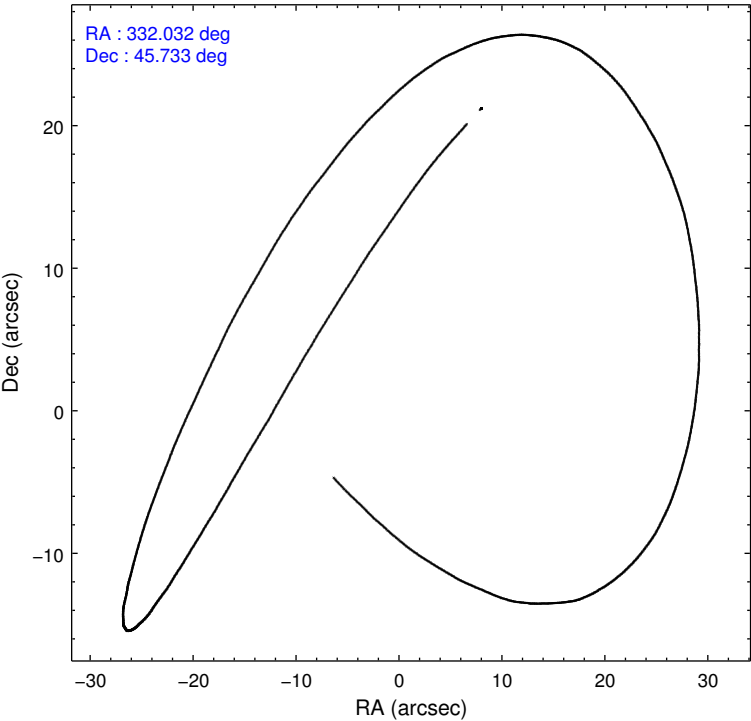
	segment 0
level 1 events	164652
rejected events	37901
rejected %	23%

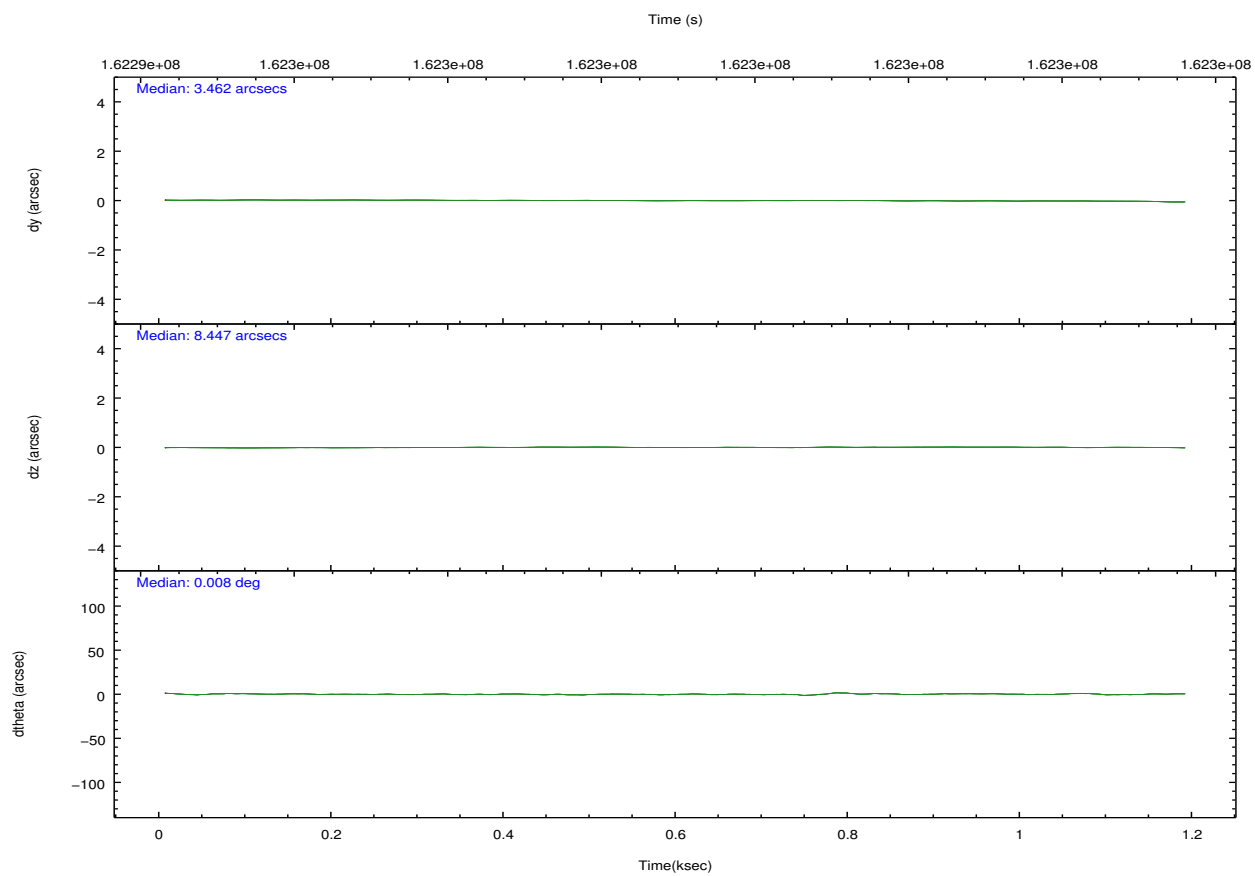
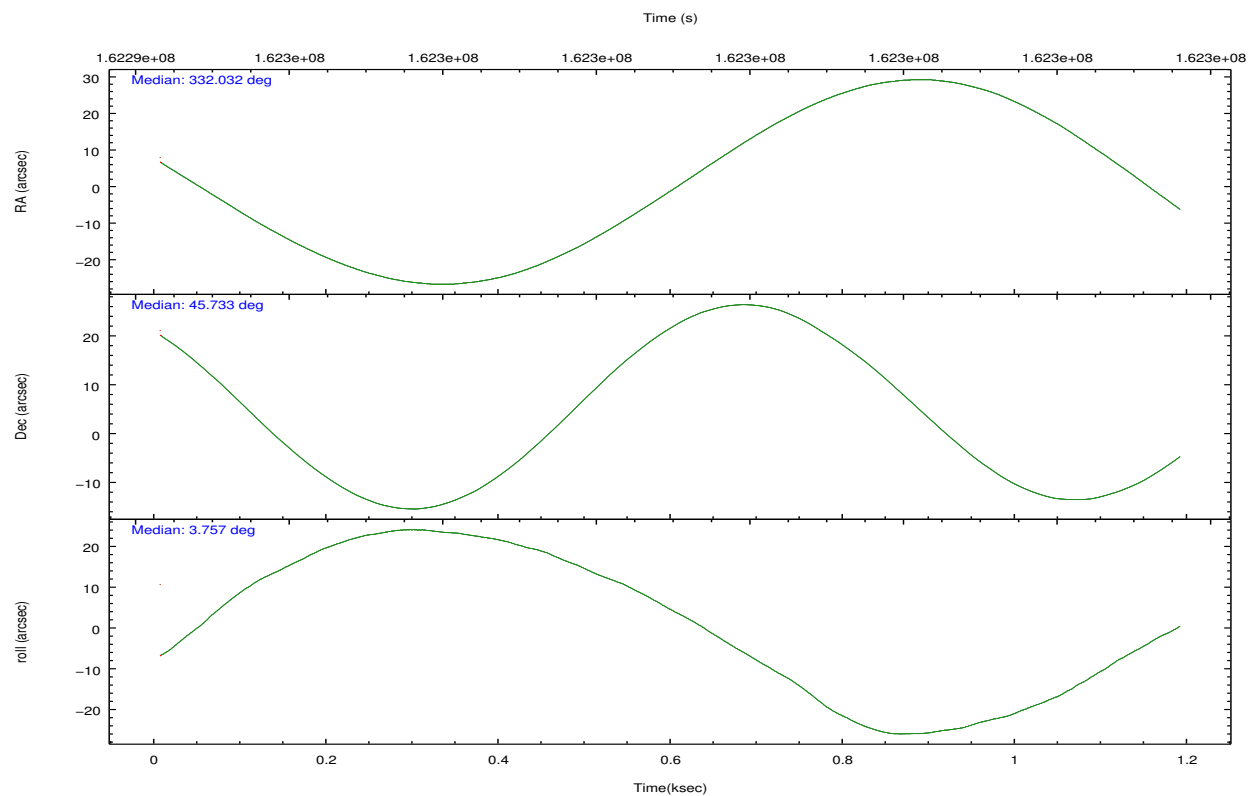
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.000917	332.0327466369862
[deg] Pointing Dec	45.718719	45.73343541038201
[deg] Pointing Roll	3.880194	3.761922956919841
[s] Window start time (MET)	161654464.184000	161654464.184000
[s] Window stop time (MET)	165369664.184000	165369664.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	162295088.184000	162294711.4446
Observation start date	2003-02-22T09:57:04	2003-02-22T09:51:51
[s] Observation end time (MET)	162296088.184000	162296222.29467
Observation end date	2003-02-22T10:13:44	2003-02-22T10:17:02

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

2.3 Aspect



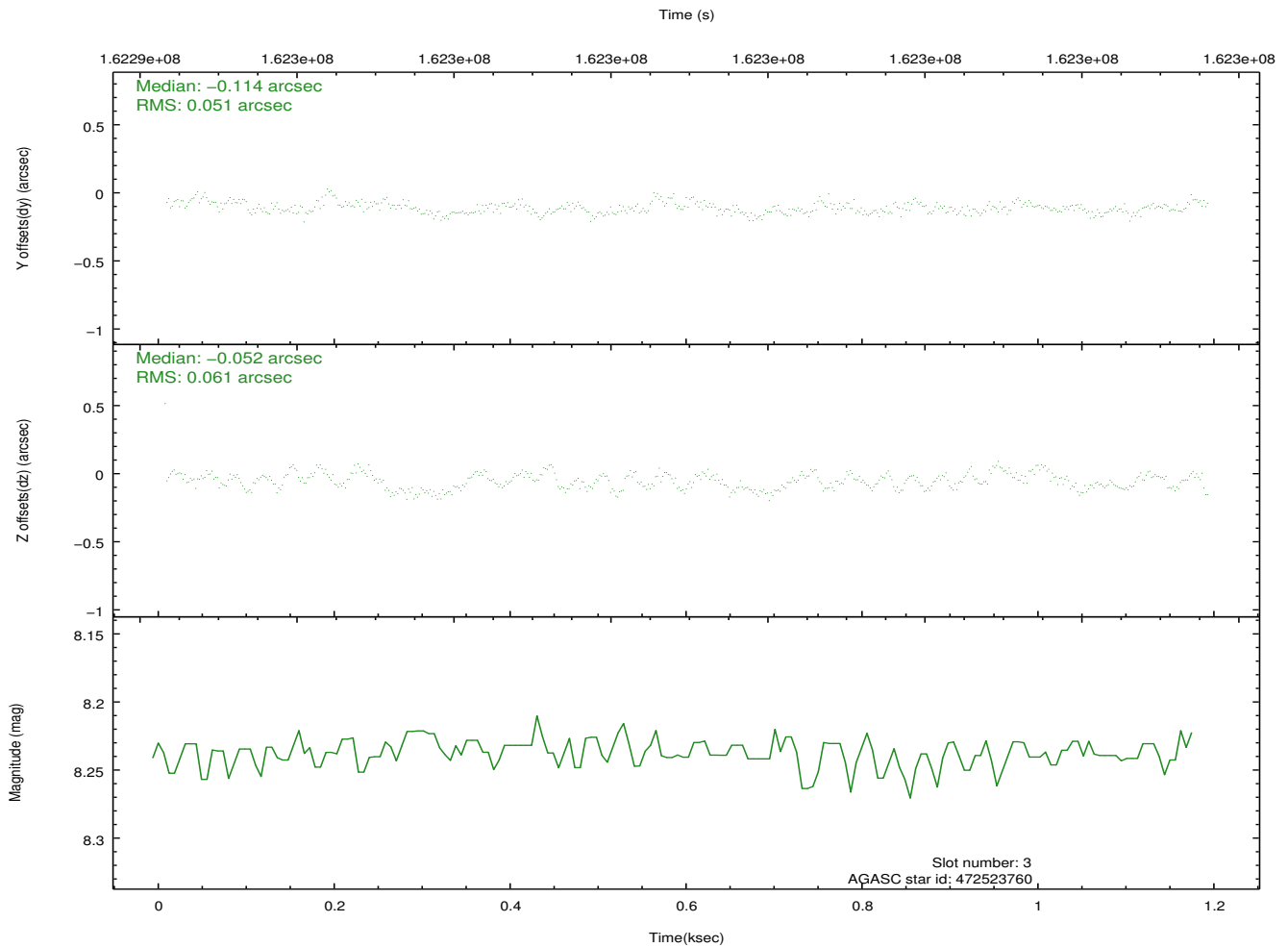
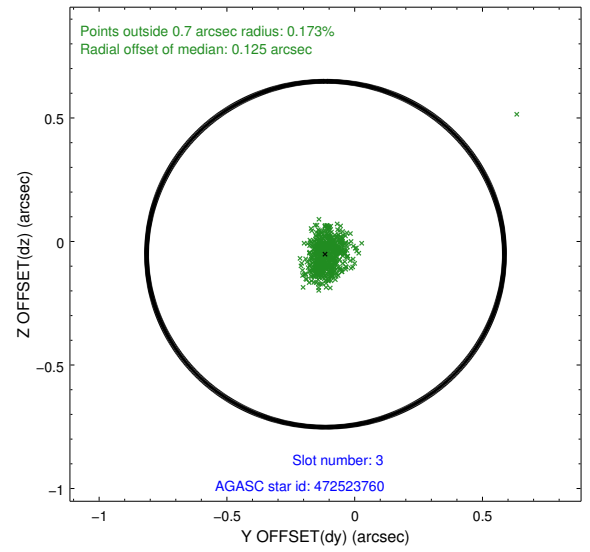
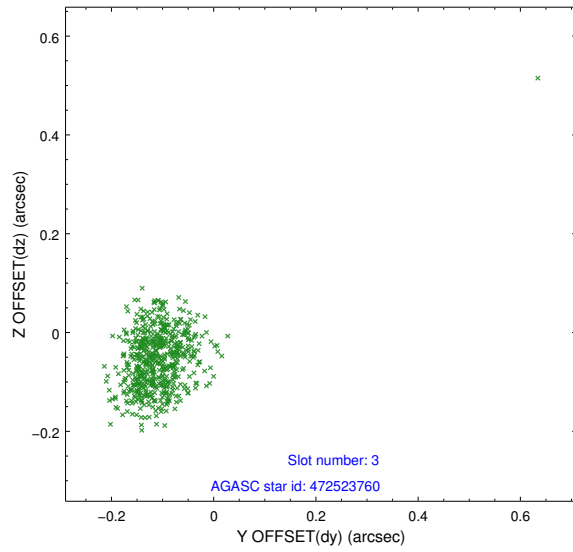


Slot Statistics

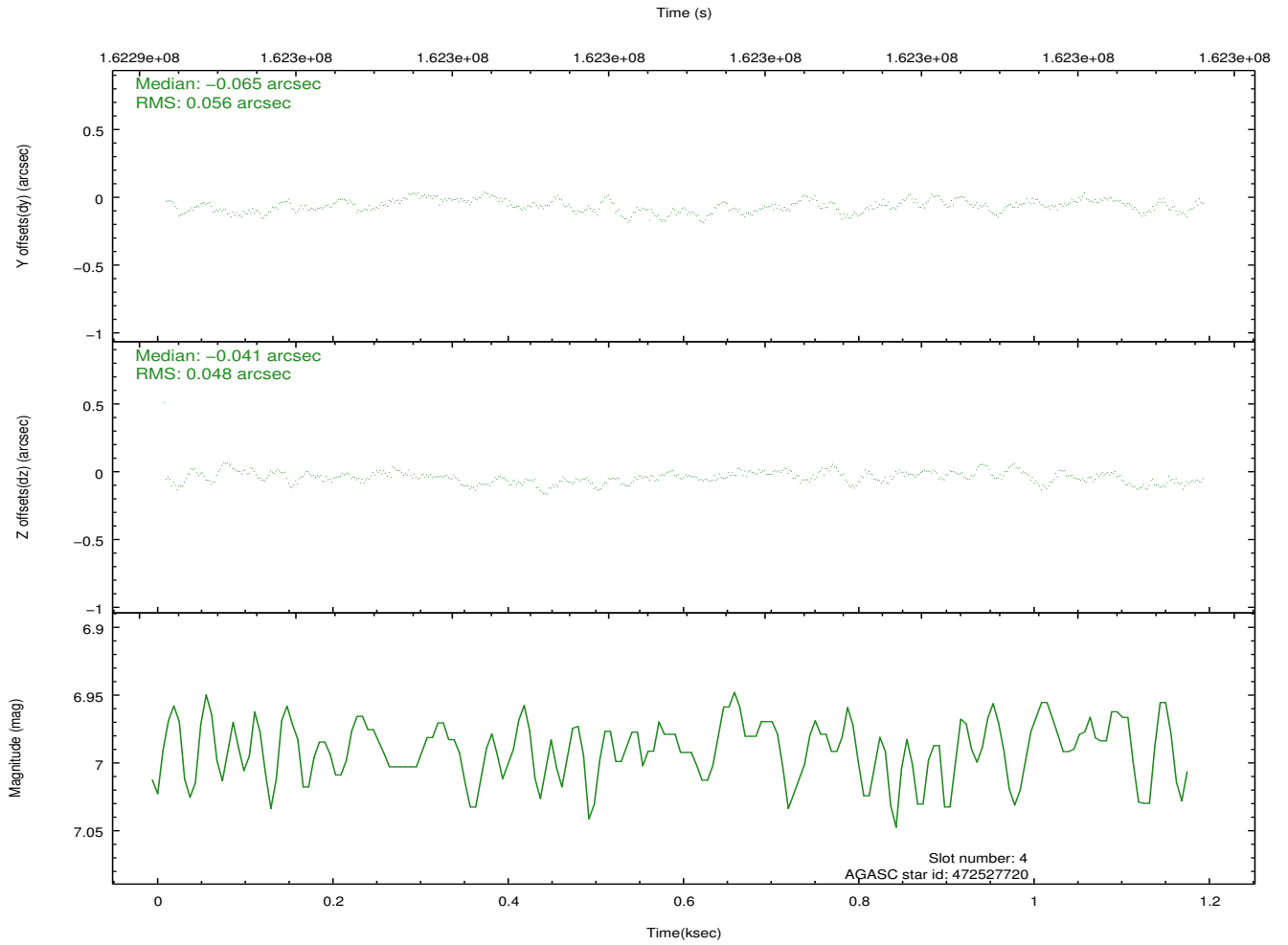
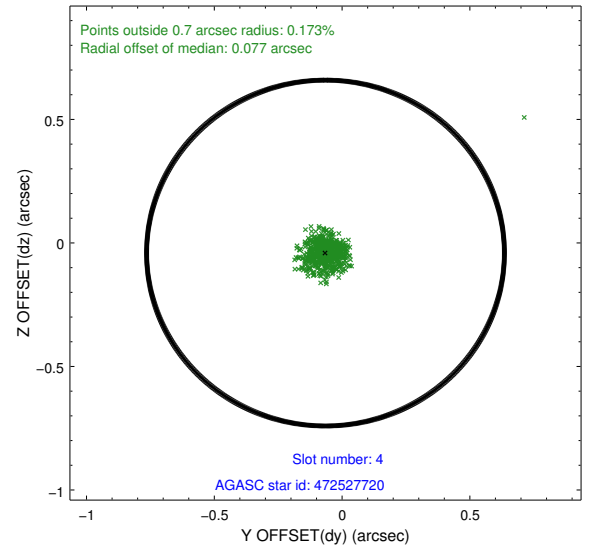
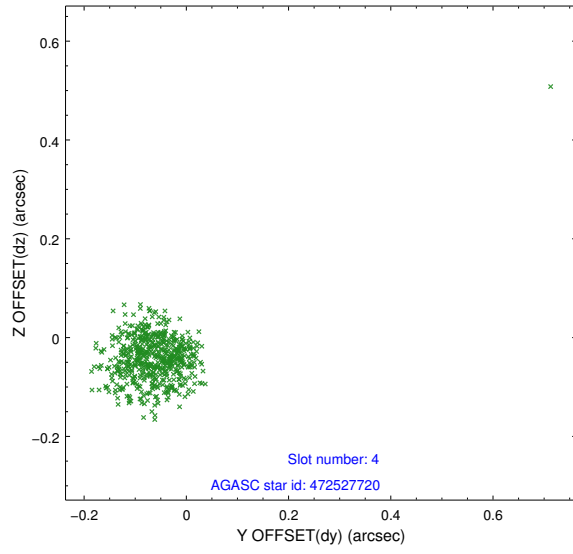
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	290	0.083	-0.027	0.006	0.010	0.000000	0.000000	853.78	-1297.97
1	FID	HRC-I-3	7.06	289	-0.014	0.011	0.007	0.011	0.000000	0.000000	-1184.50	1003.70
2	FID	HRC-I-4	7.01	290	0.049	-0.070	0.007	0.011	0.000000	0.000000	1279.81	1009.18
3	GUIDE	472523760	8.24	579	-0.114	-0.052	0.076	0.119	331.645363	45.403260	-973.19	-1067.10
4	GUIDE	472527720	6.99	579	-0.065	-0.041	0.068	0.104	331.460205	45.112509	-1519.36	-2078.52
5	GUIDE	472655152	9.43	579	0.166	-0.001	0.099	0.175	332.504239	45.862991	1292.09	436.54
6	GUIDE	472659832	9.47	574	0.006	0.121	0.100	0.160	332.780399	46.098139	2036.91	1245.10
7	GUIDE	472533912	9.18	578	0.011	-0.006	0.114	0.177	331.791136	46.368695	-357.97	2375.90

2.4 Star Slots

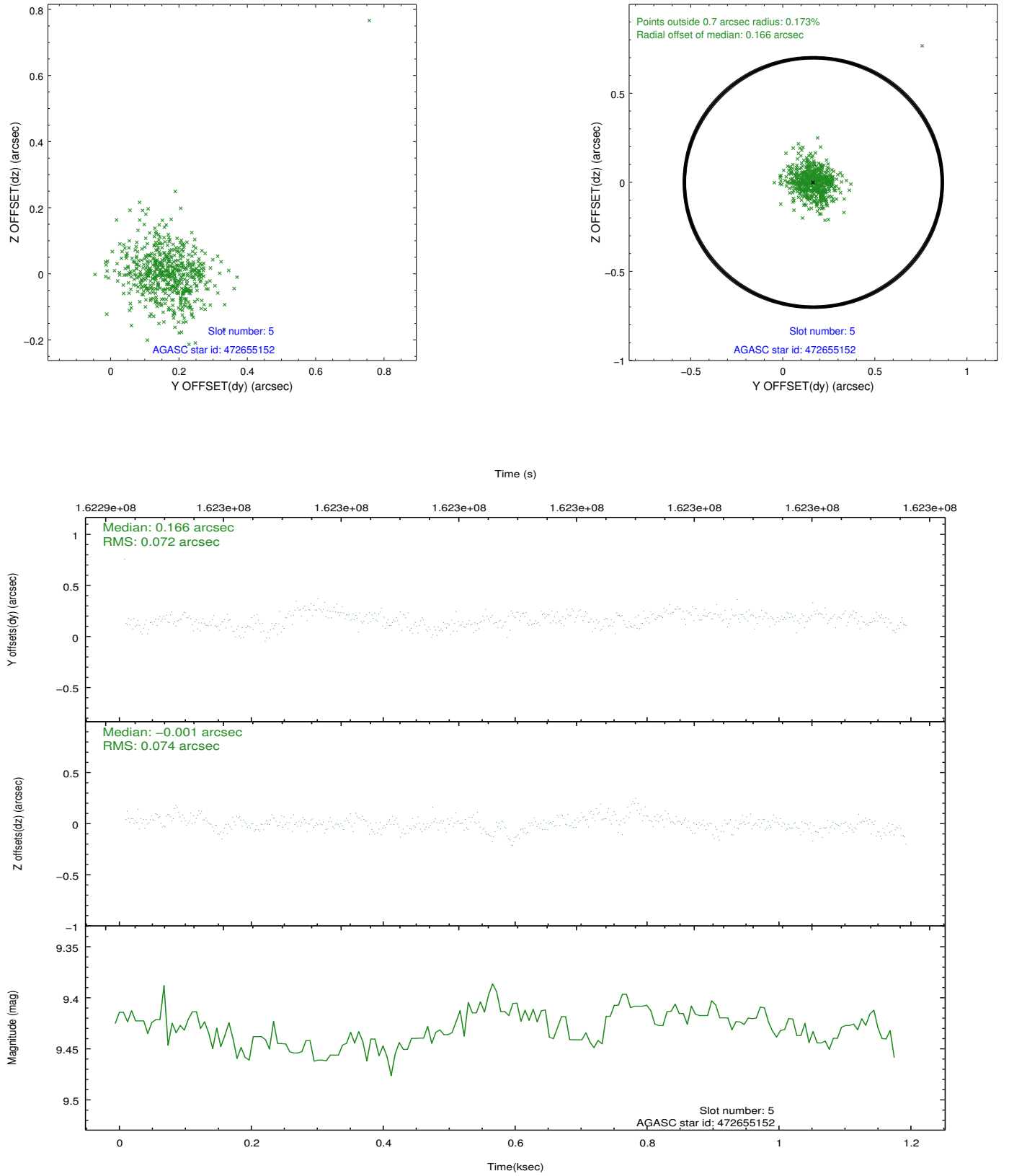
2.4.1 Slot 3



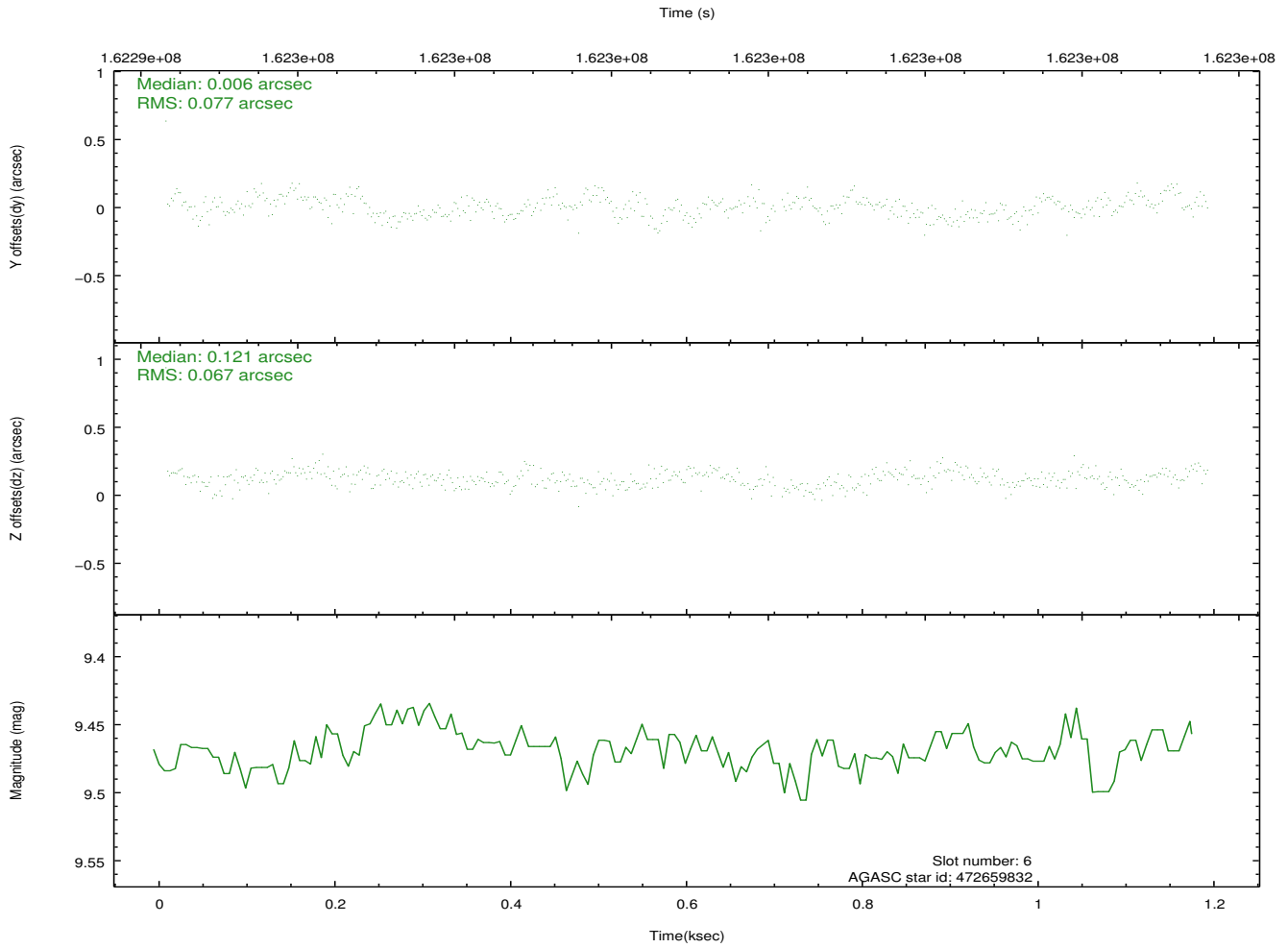
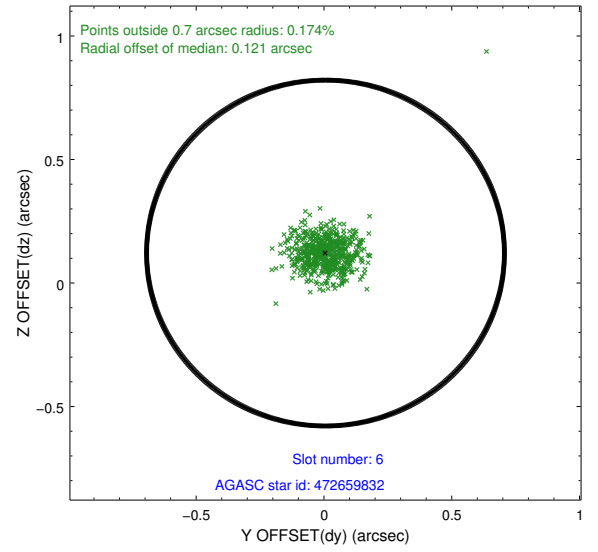
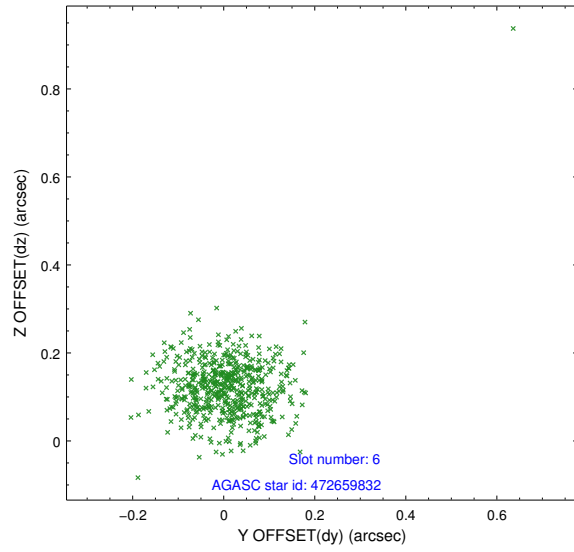
2.4.2 Slot 4



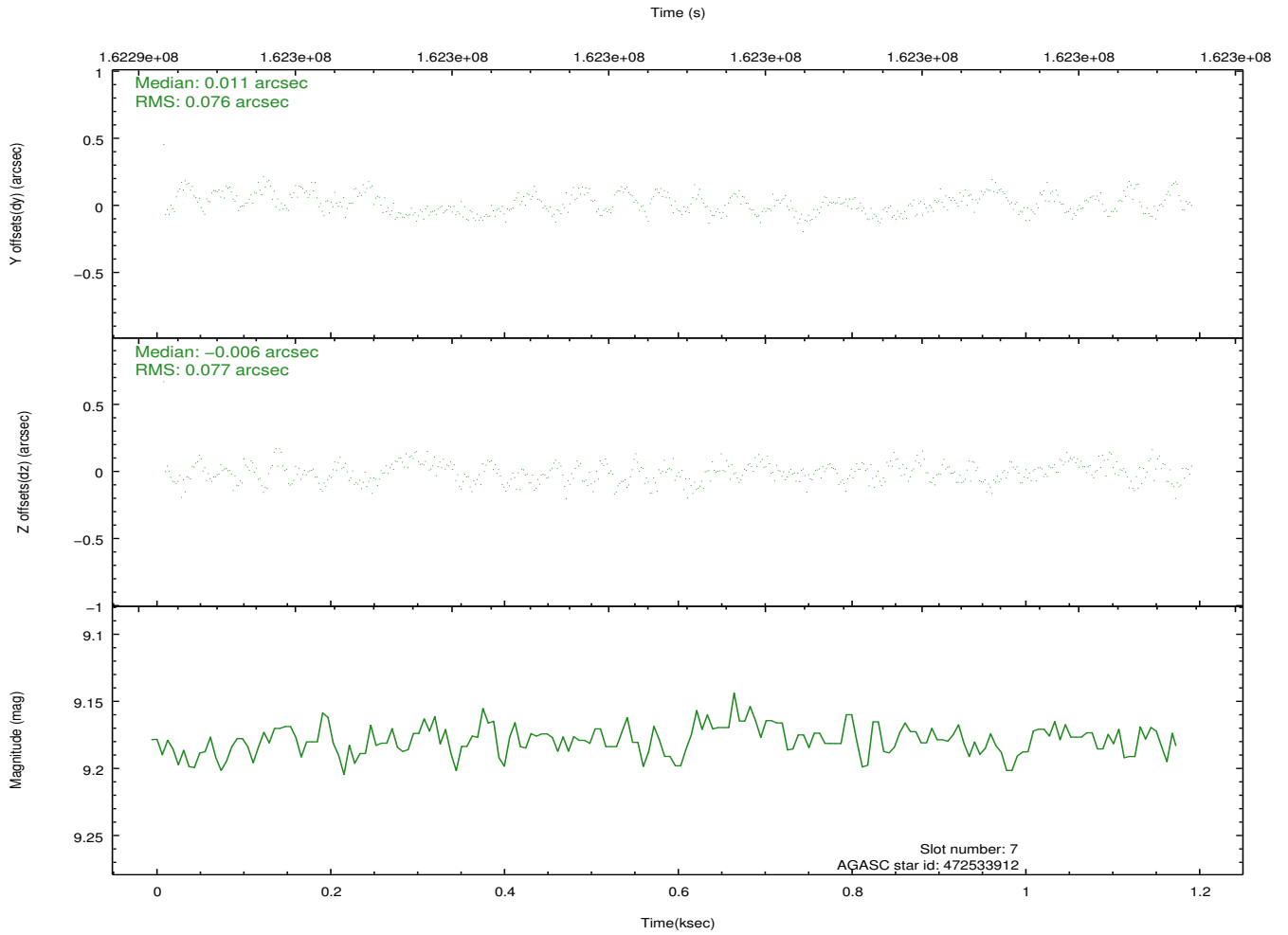
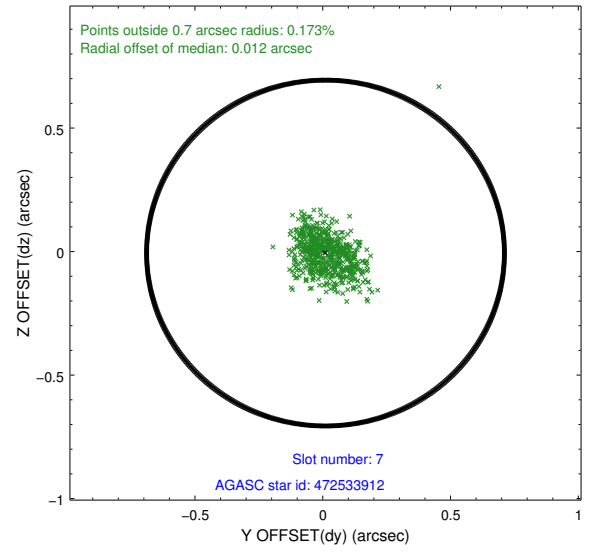
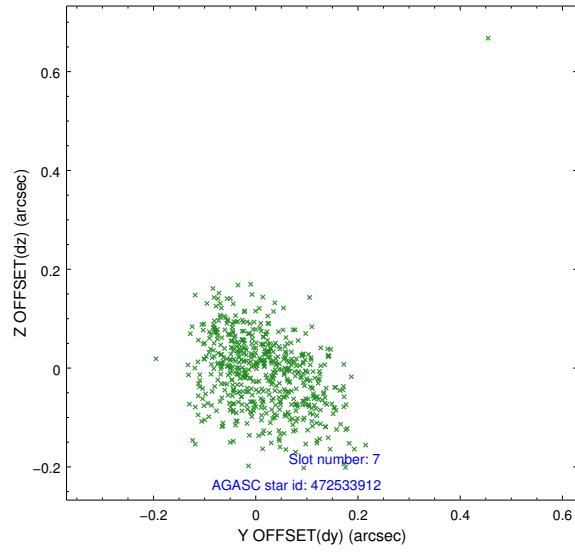
2.4.3 Slot 5



2.4.4 Slot 6

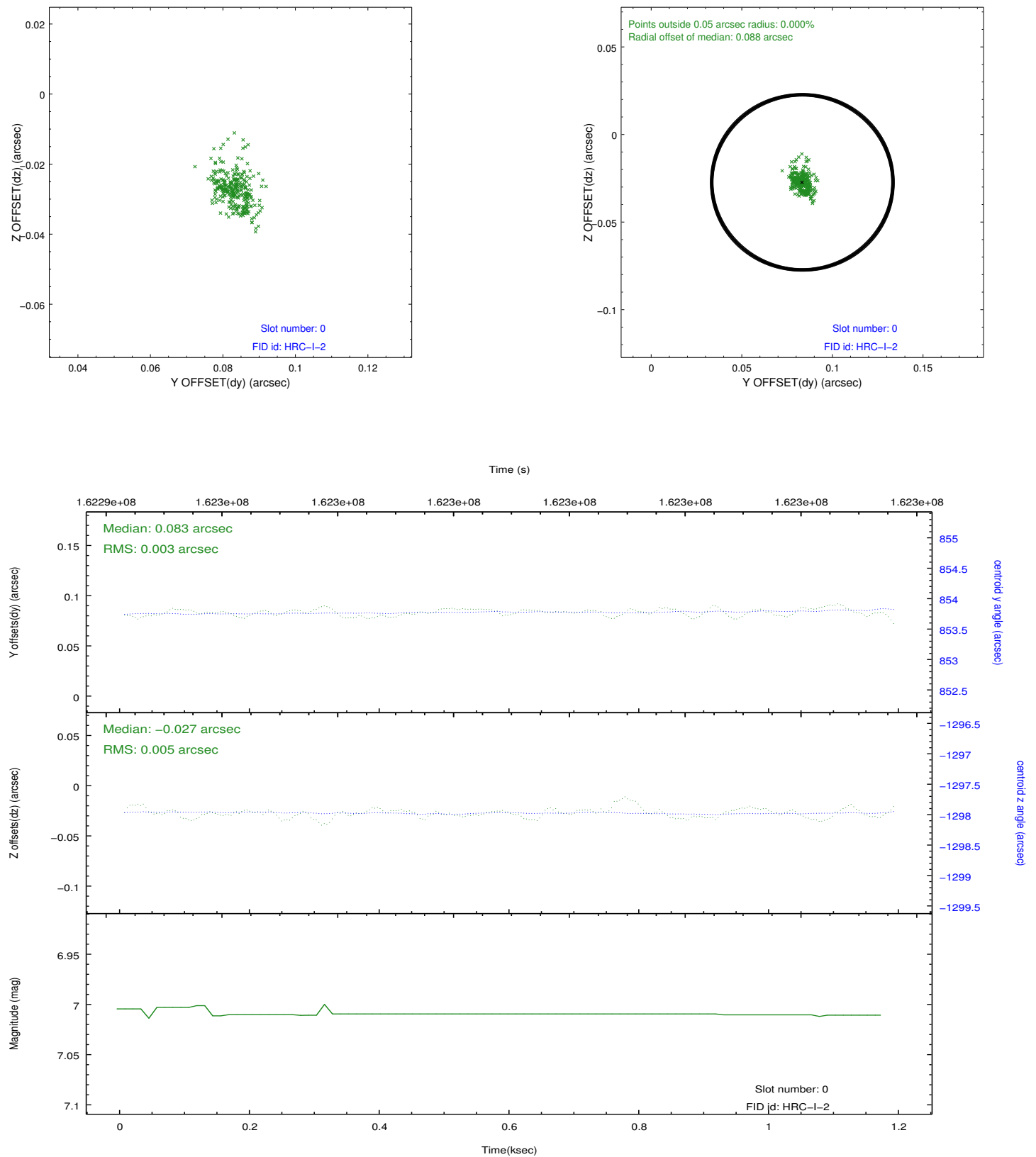


2.4.5 Slot 7

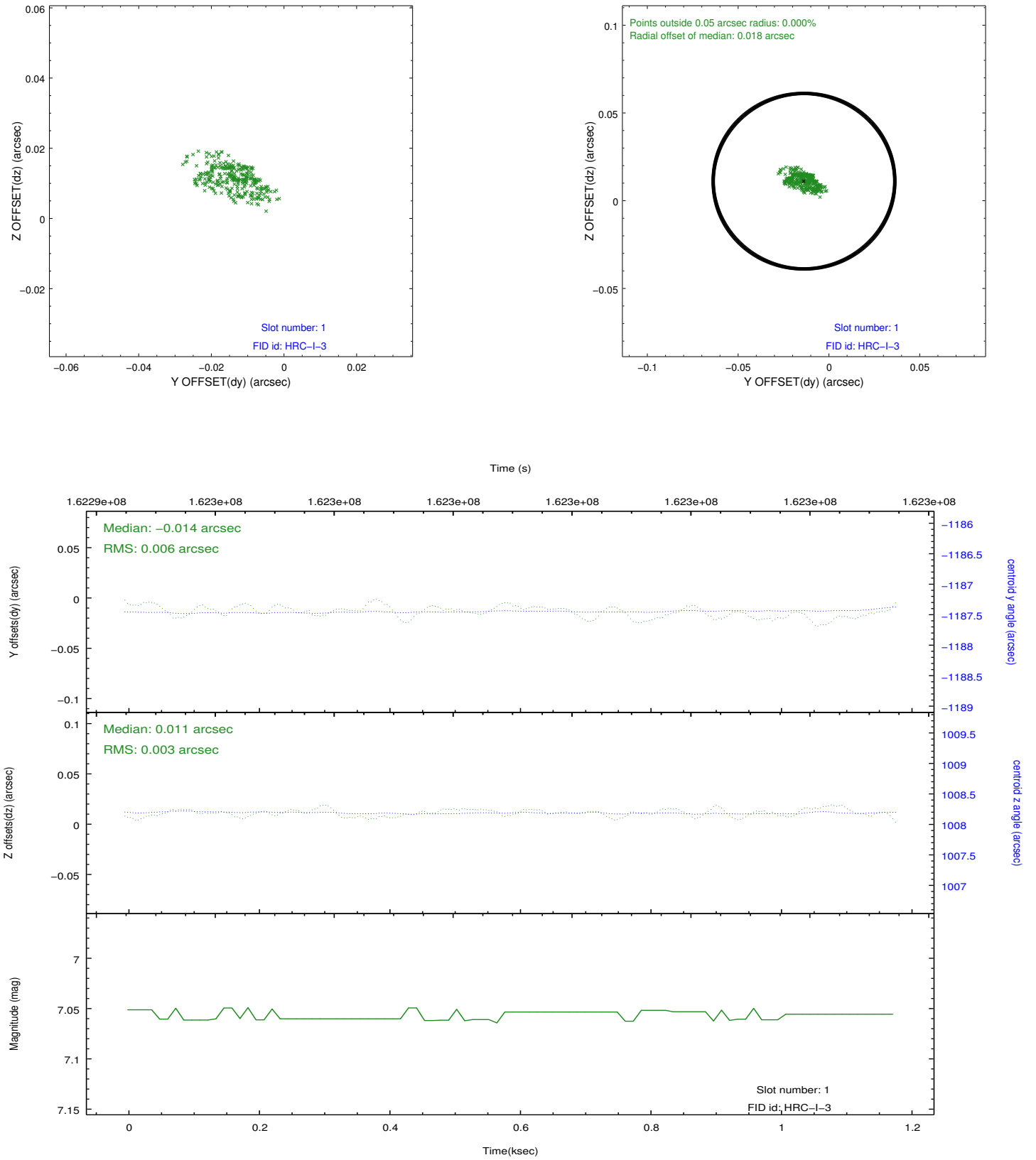


2.5 FID Slots

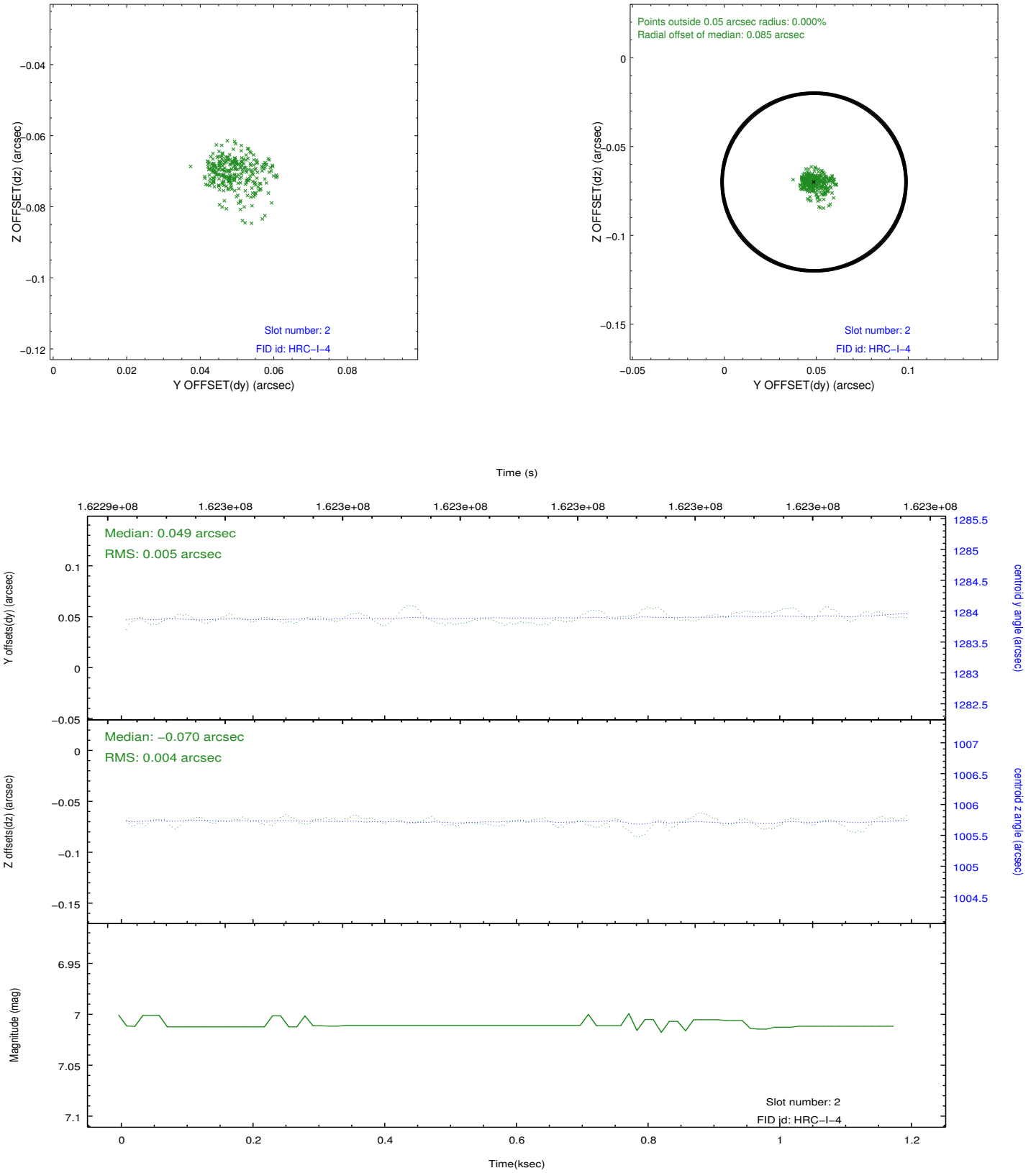
2.5.1 Slot 0



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	1.184

A.2 Comments

Window constraint met.