

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4308 - L2 Version 4
Chandra X-Ray Center

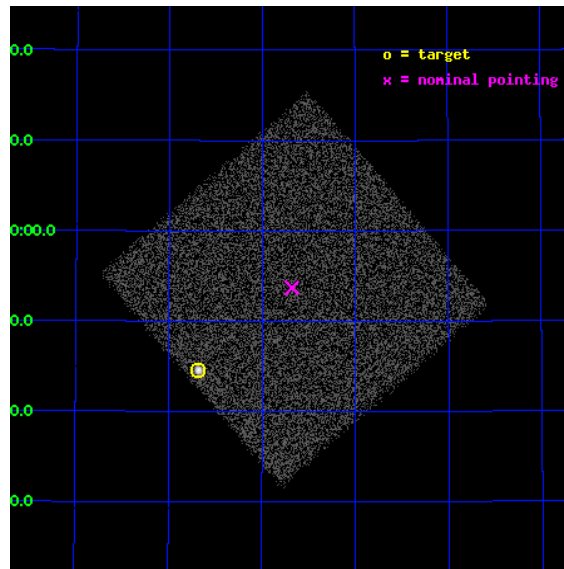
L2 Processing Date : Oct 23 2012

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1 Front

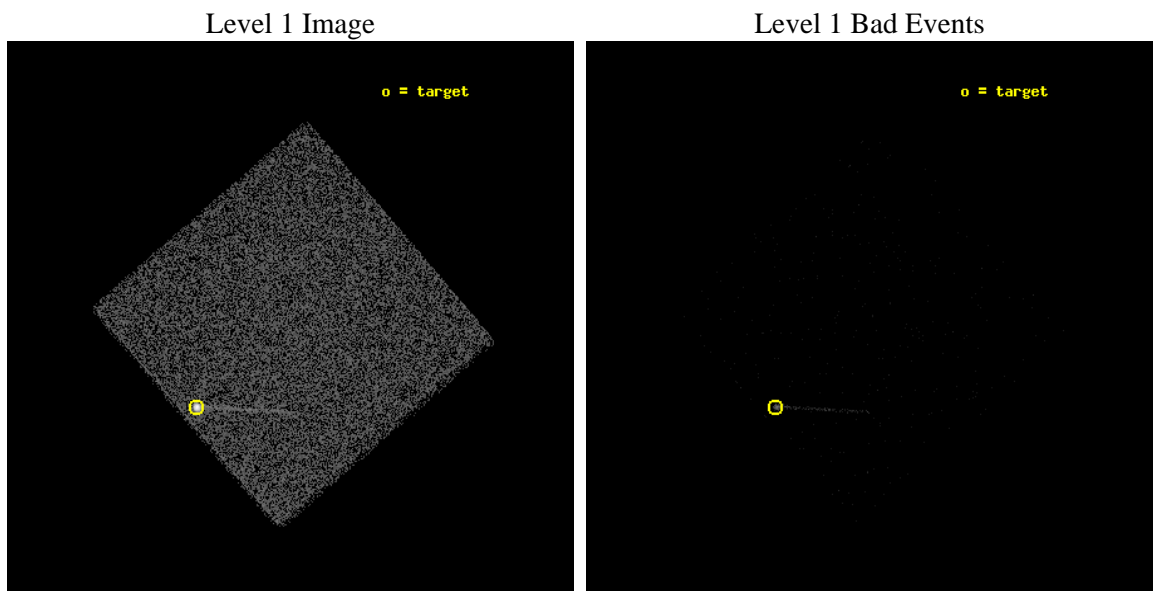
seq_num	290268	Sequence number
obs_id	4308	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.91980498227	Nominal RA [deg]
dec_nom	45.895126728828	Nominal Dec [deg]
roll_nom	4.239222895179	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1179.7750496268	[s]
livetime	1173.362907007	Ontime multiplied by DTCOR
l2events	35506	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	1179.7750496268	[s]
caldsver	4.5.2	 	l1events	65364	Number of level 1 events
date	2012-10-23T09:30:15	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

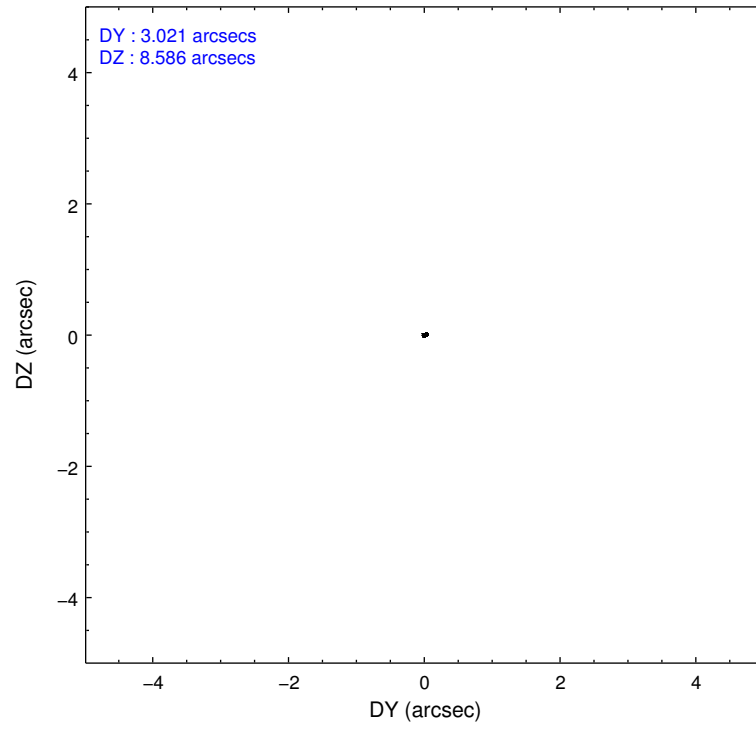
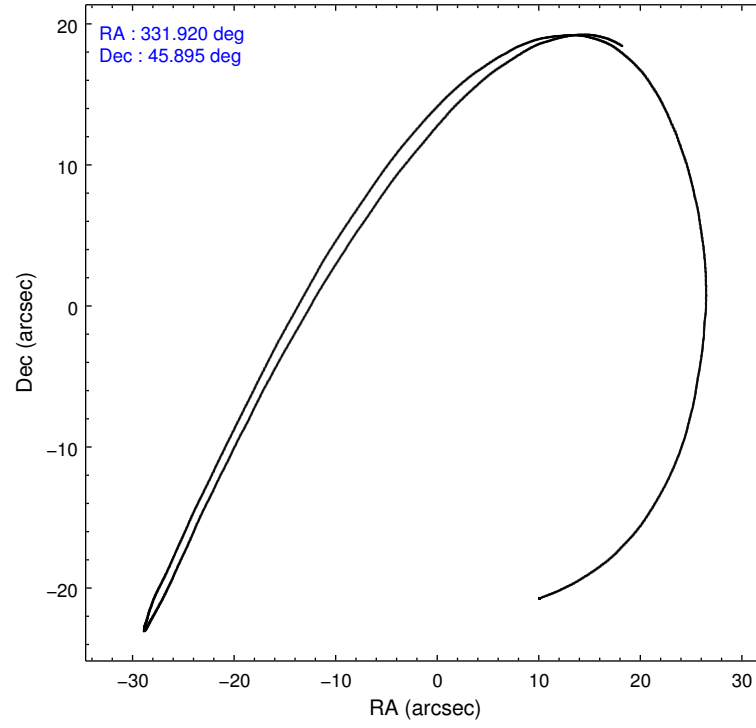
Level 1 Events

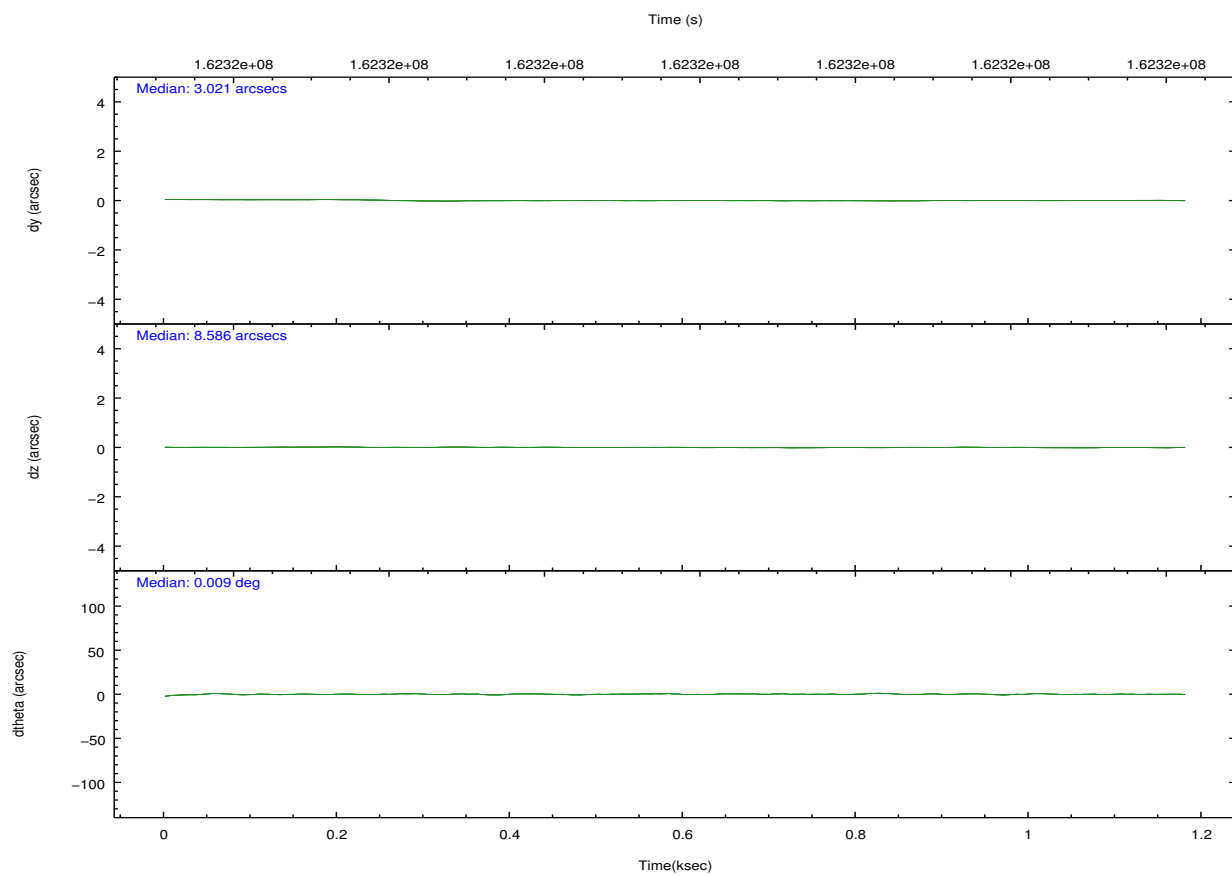
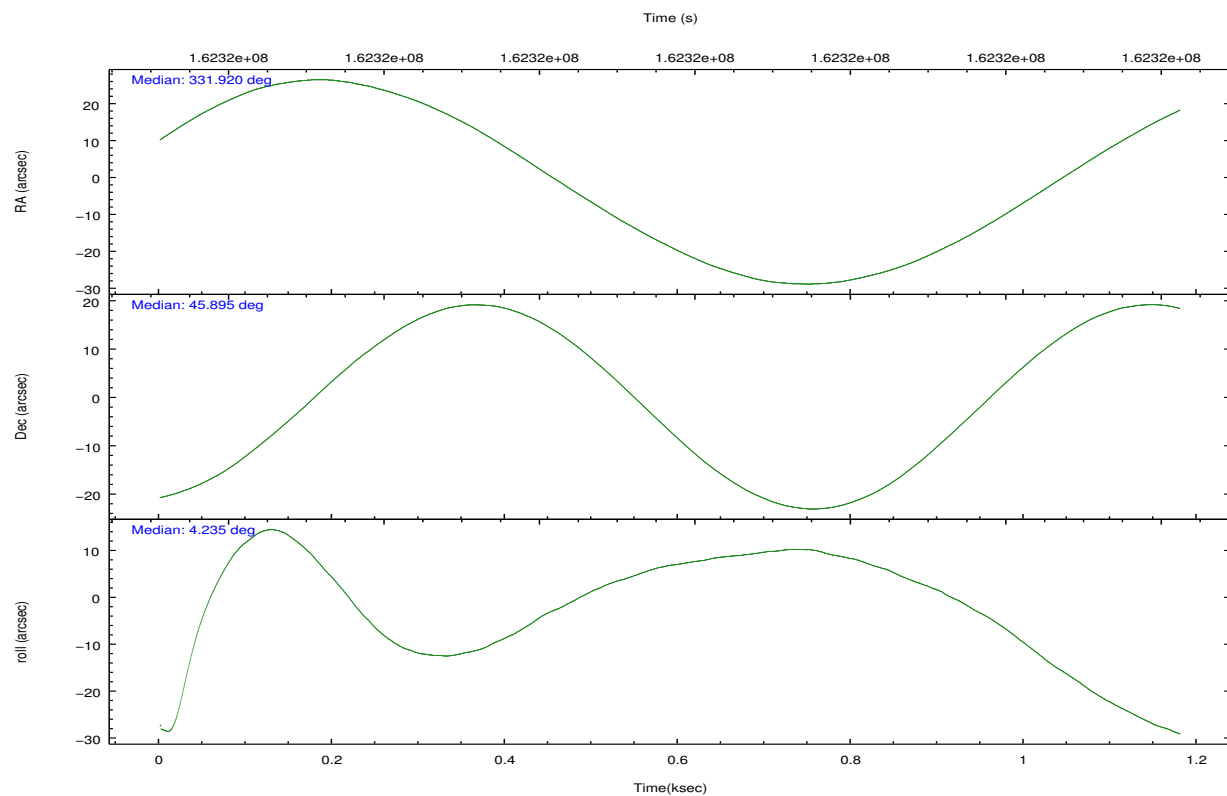
	segment 0
level 1 events	65364
rejected events	14351
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.887819	331.9198049822724			
[deg] Pointing Dec	45.879081	45.89512672882843			
[deg] Pointing Roll	4.357696	4.239222895179013			
[s] Window start time (MET)	161697664.184000	161697664.184000			
[s] Window stop time (MET)	165412864.184000	165412864.184000			
[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)	162320758.184000	162320381.54568			
Observation start date	2003-02-22T17:04:54	2003-02-22T16:59:41			
[s] Observation end time (MET)	162321758.184000	162321891.88325			
Observation end date	2003-02-22T17:21:34	2003-02-22T17:24:51			

2.3 Aspect



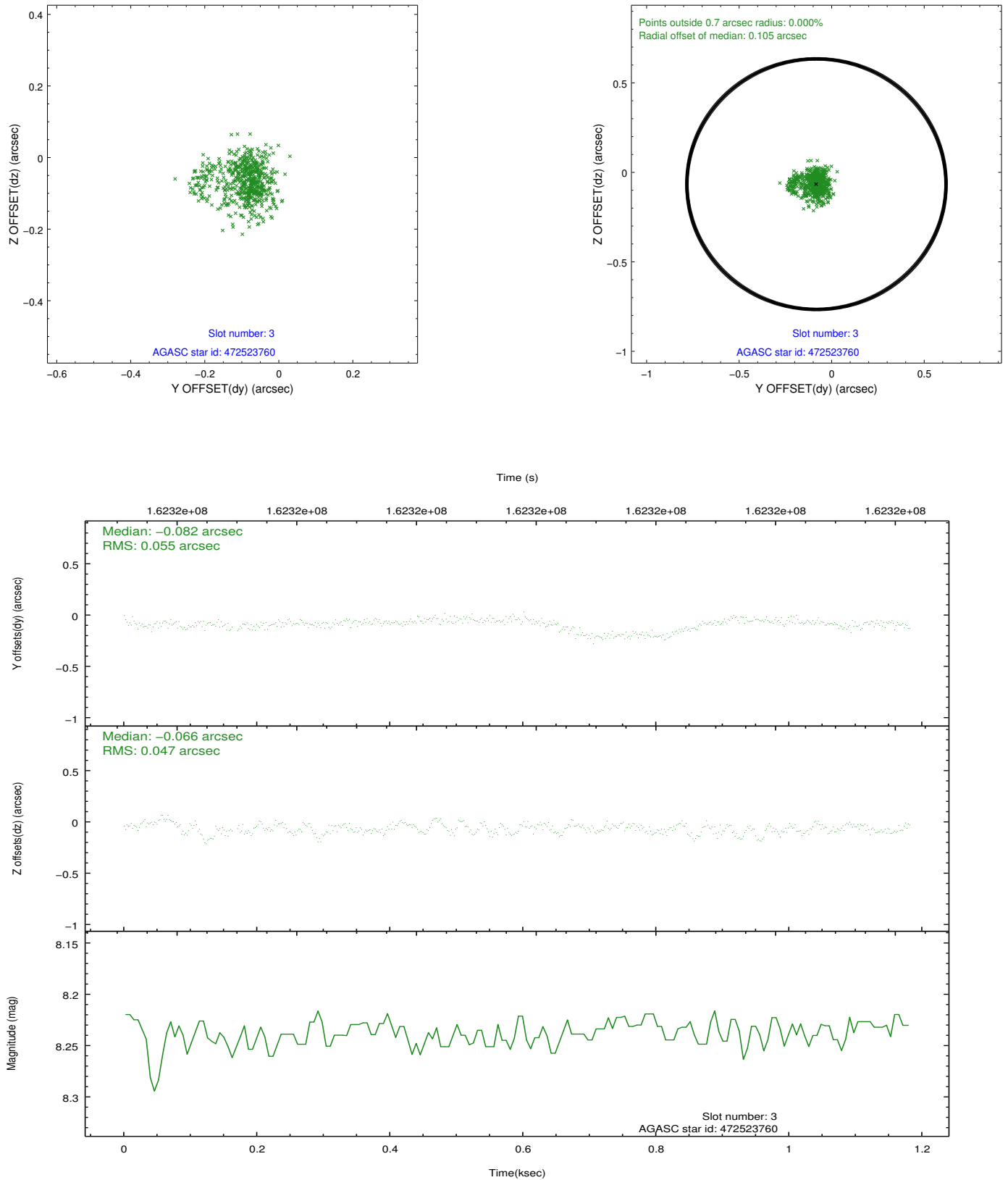


Slot Statistics

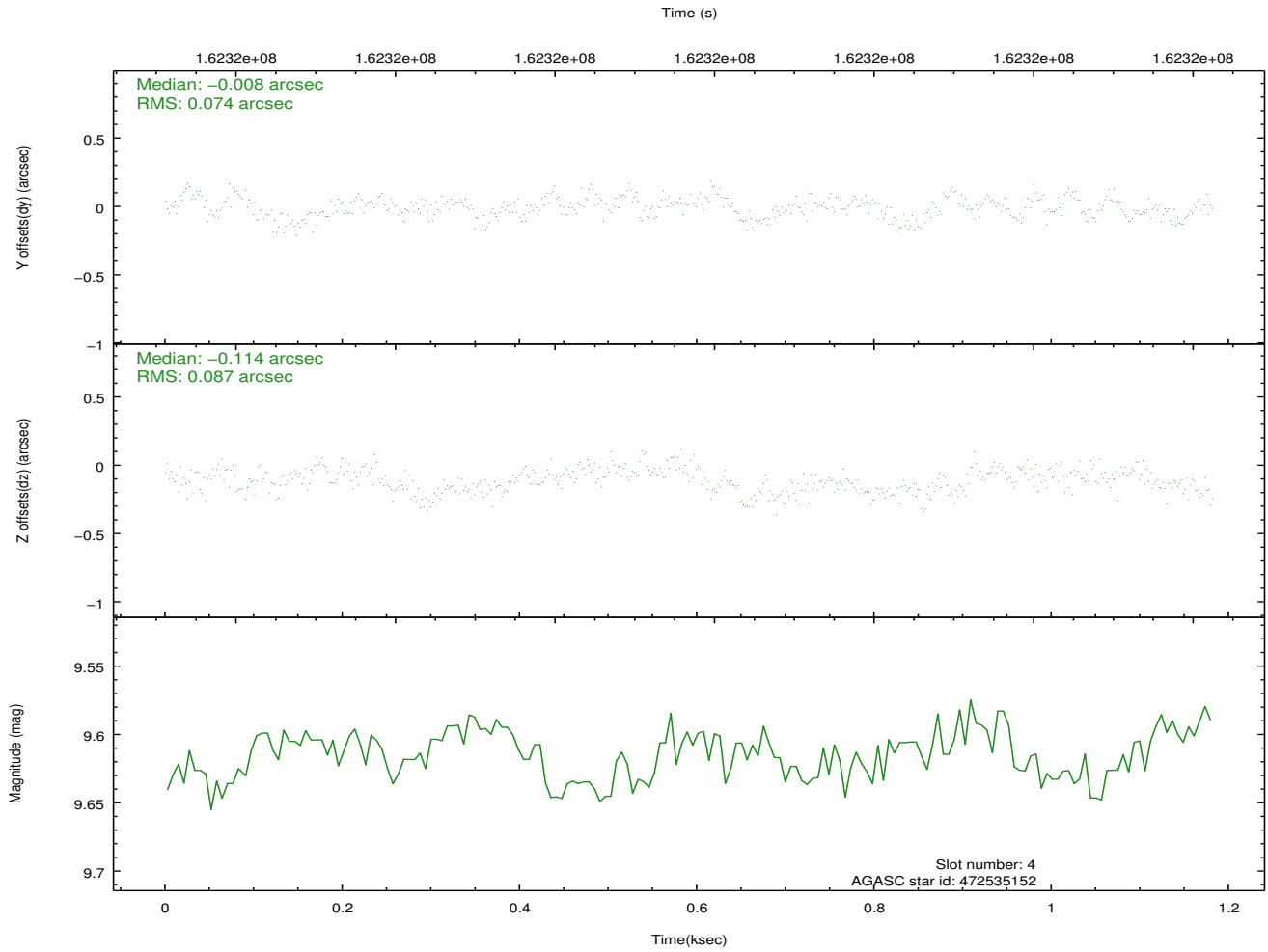
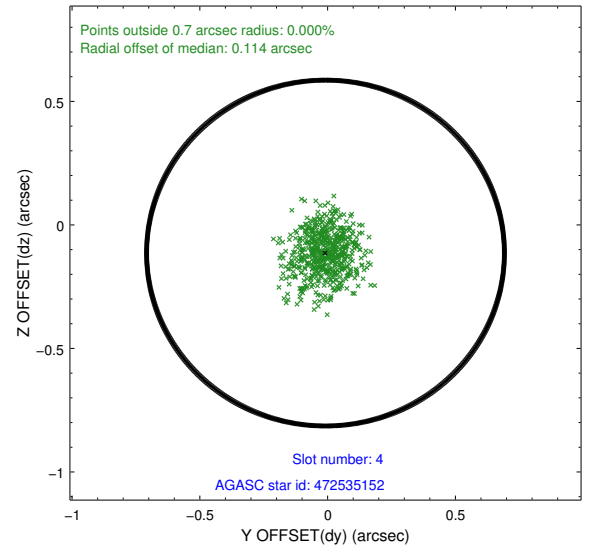
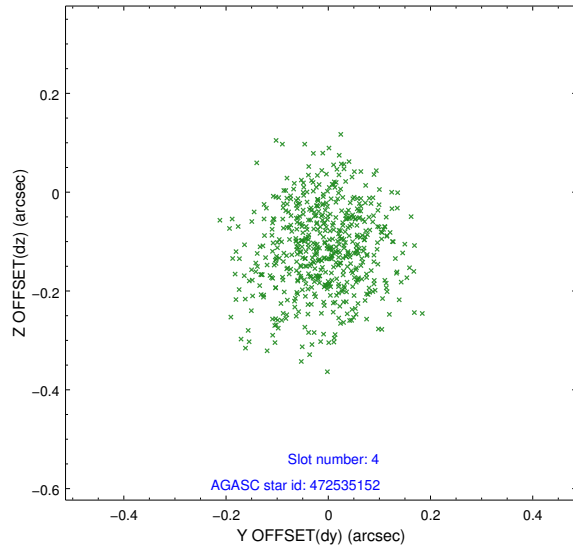
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	0.027	0.065	0.010	0.023	0.000000	0.000000	-758.47	-1296.46
1	FID	HRC-I-2	7.01	288	0.076	-0.077	0.007	0.011	0.000000	0.000000	851.57	-1302.67
2	FID	HRC-I-3	7.06	288	0.016	-0.077	0.008	0.015	0.000000	0.000000	-1184.01	1003.44
3	GUIDE	472523760	8.24	574	-0.082	-0.066	0.072	0.134	331.645363	45.403260	-741.85	-1661.45
4	GUIDE	472535152	9.61	576	-0.008	-0.114	0.124	0.191	331.625800	46.496498	-480.80	2262.86
5	GUIDE	472535400	8.80	577	-0.016	0.027	0.112	0.187	331.047001	46.353888	-1954.23	1877.16
6	GUIDE	472655704	9.47	577	-0.009	0.102	0.122	0.189	332.167195	45.285228	539.26	-2181.60
7	GUIDE	472659832	9.47	576	0.093	0.038	0.139	0.332	332.780399	46.098139	2282.79	625.22

2.4 Star Slots

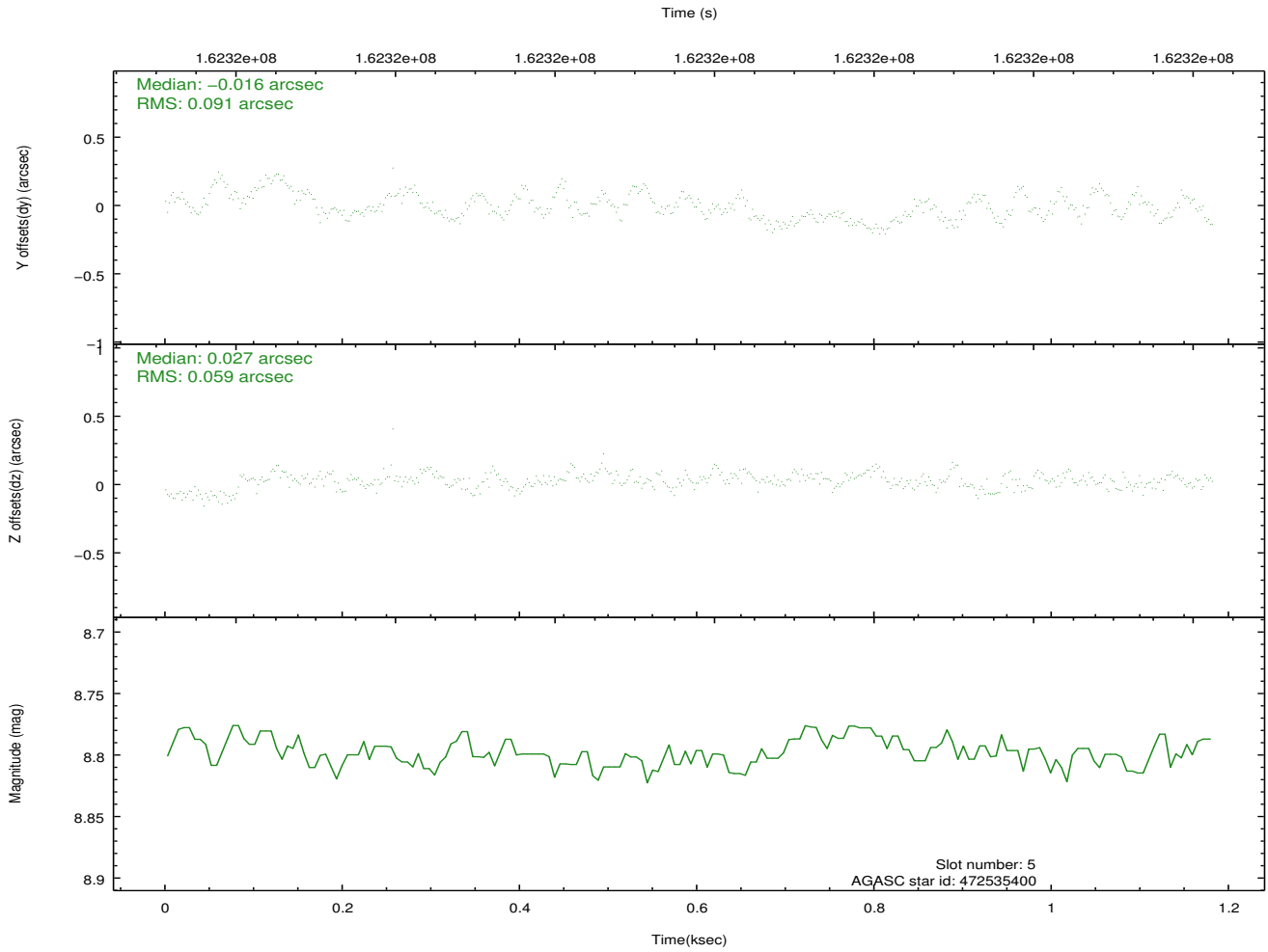
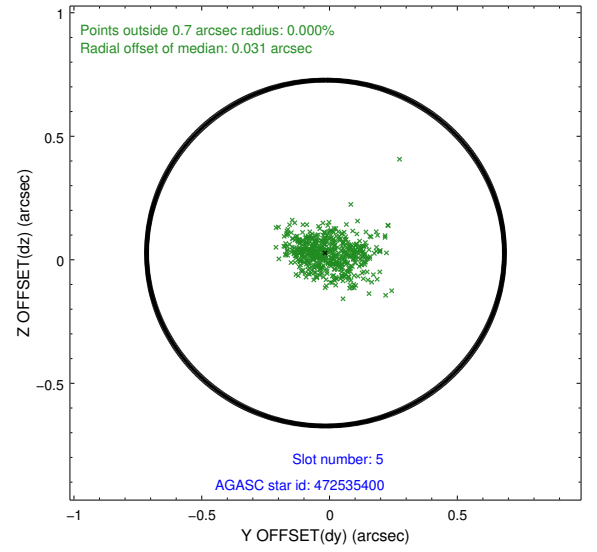
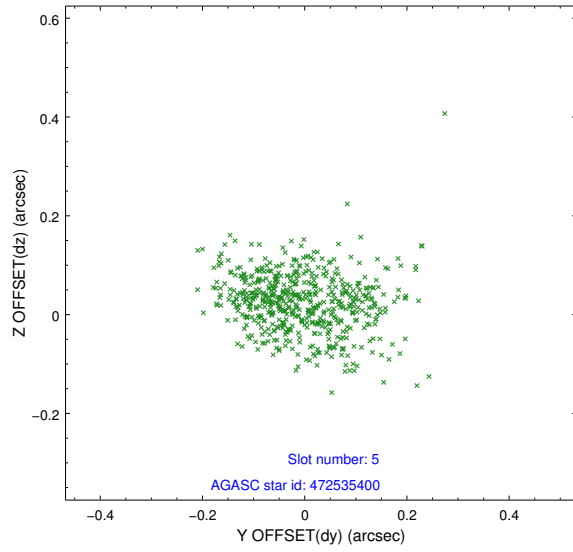
2.4.1 Slot 3



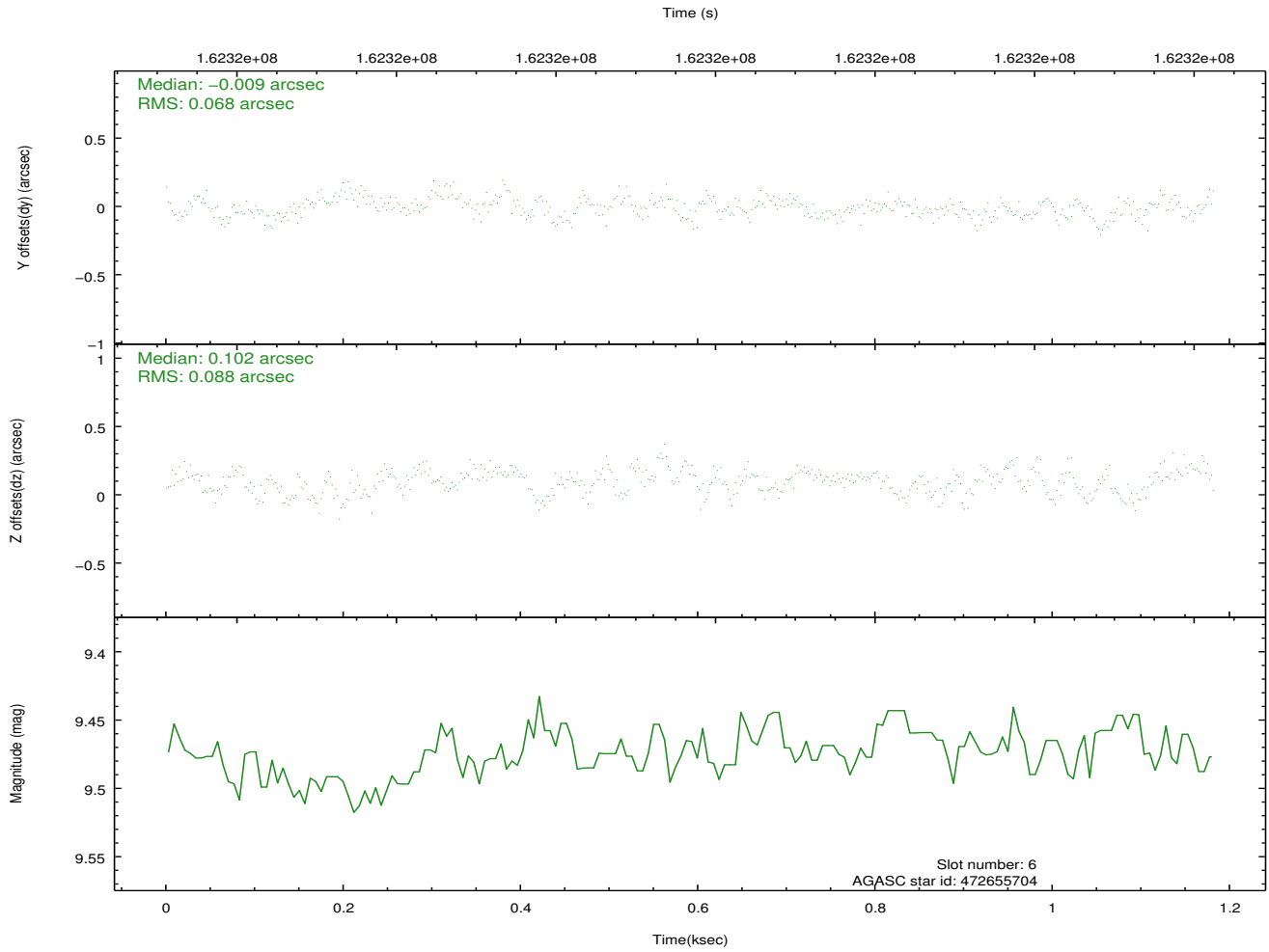
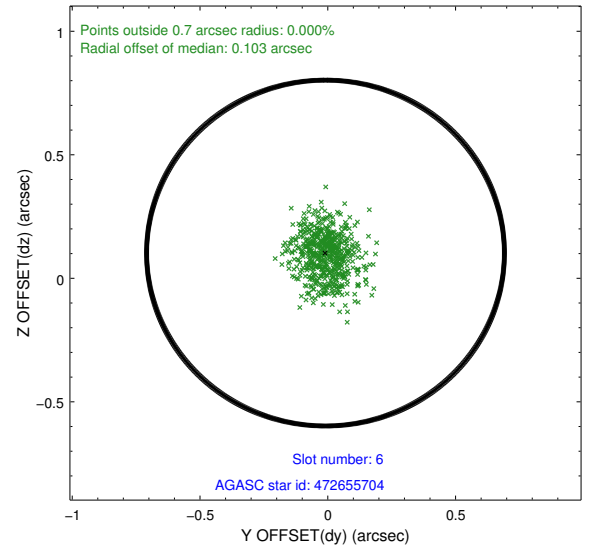
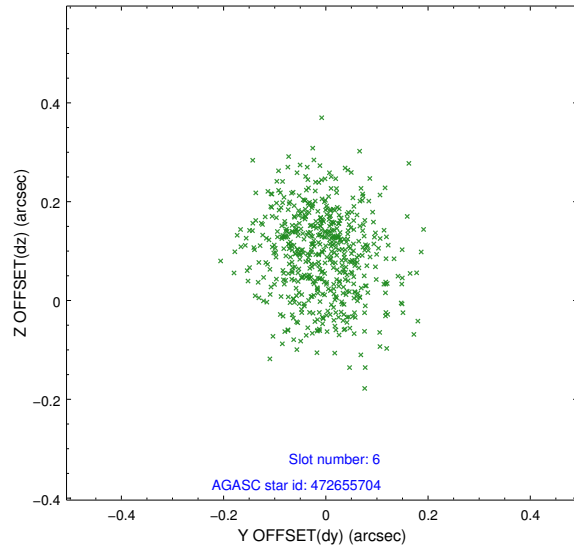
2.4.2 Slot 4



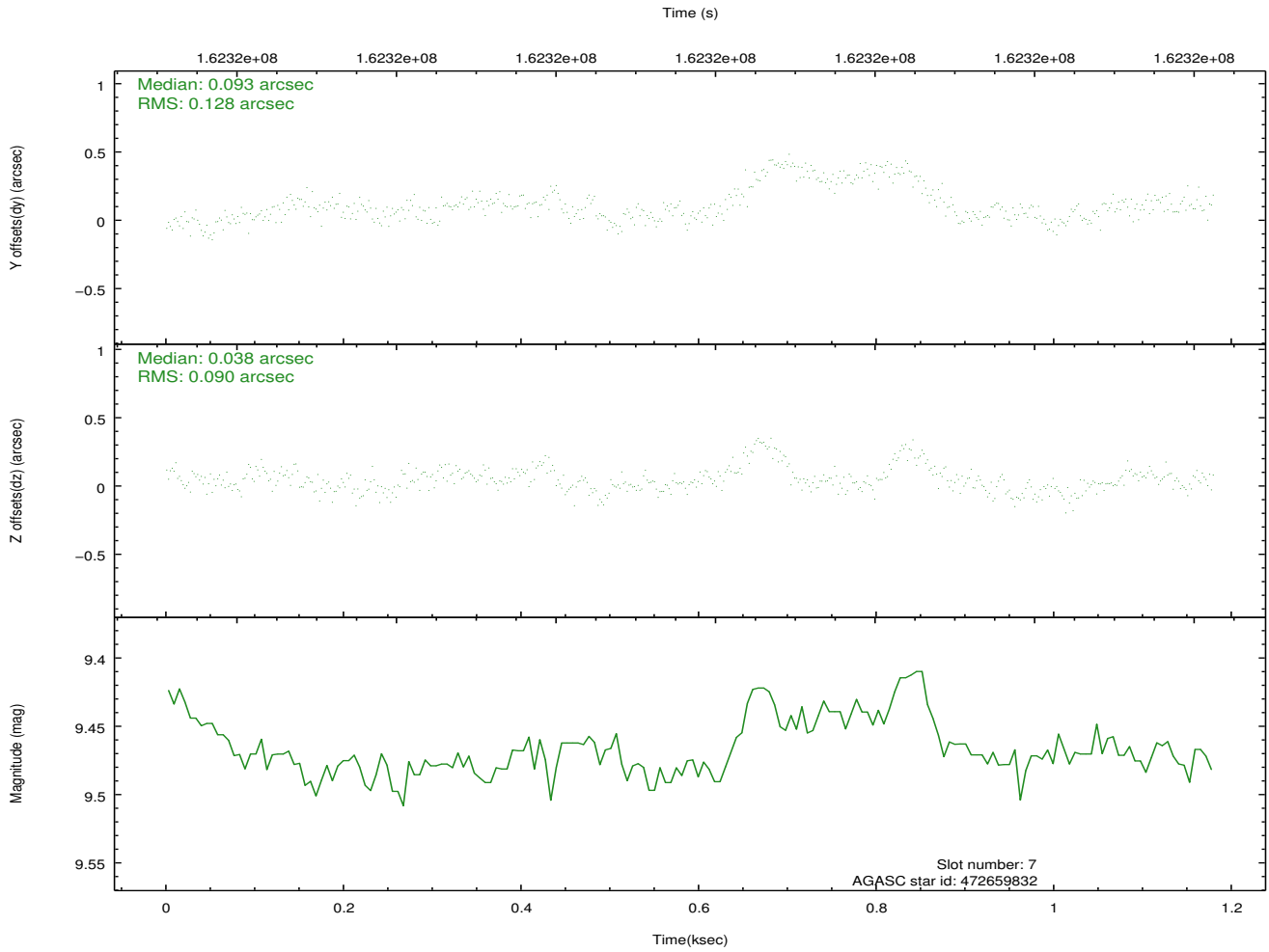
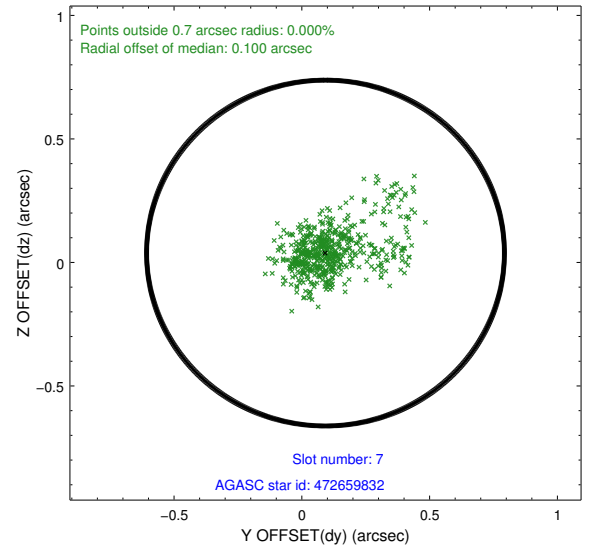
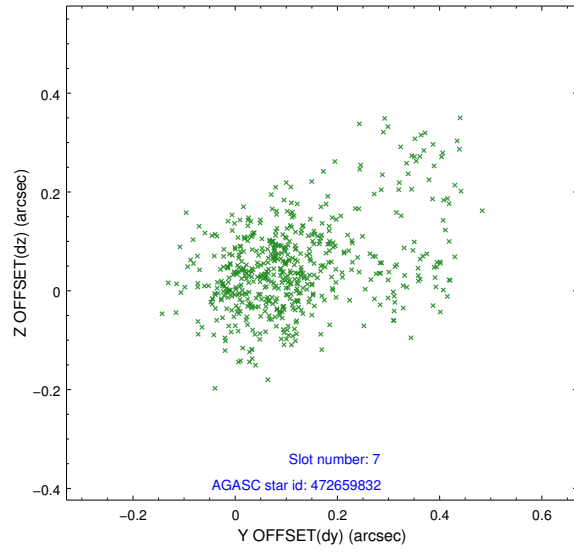
2.4.3 Slot 5



2.4.4 Slot 6

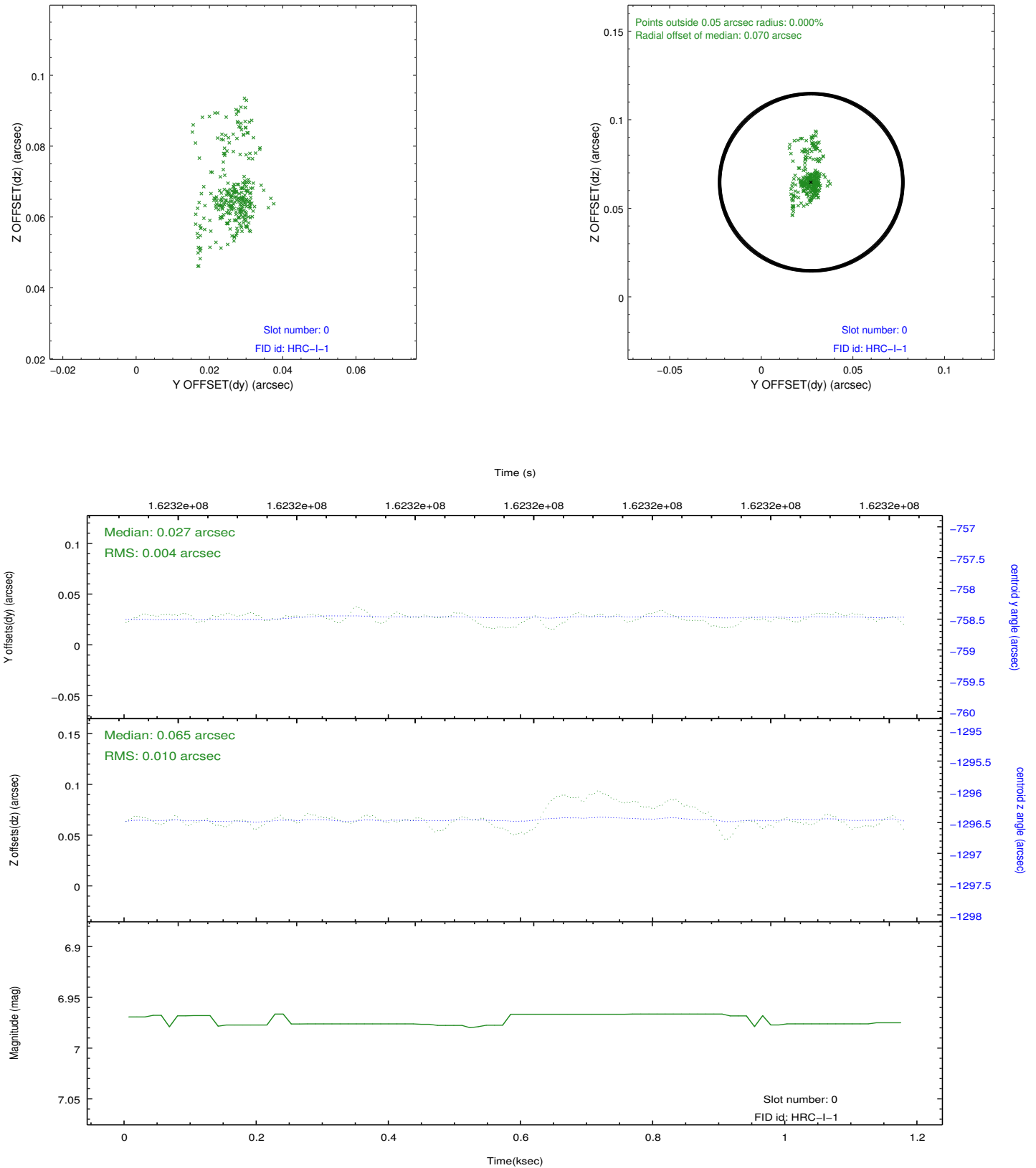


2.4.5 Slot 7

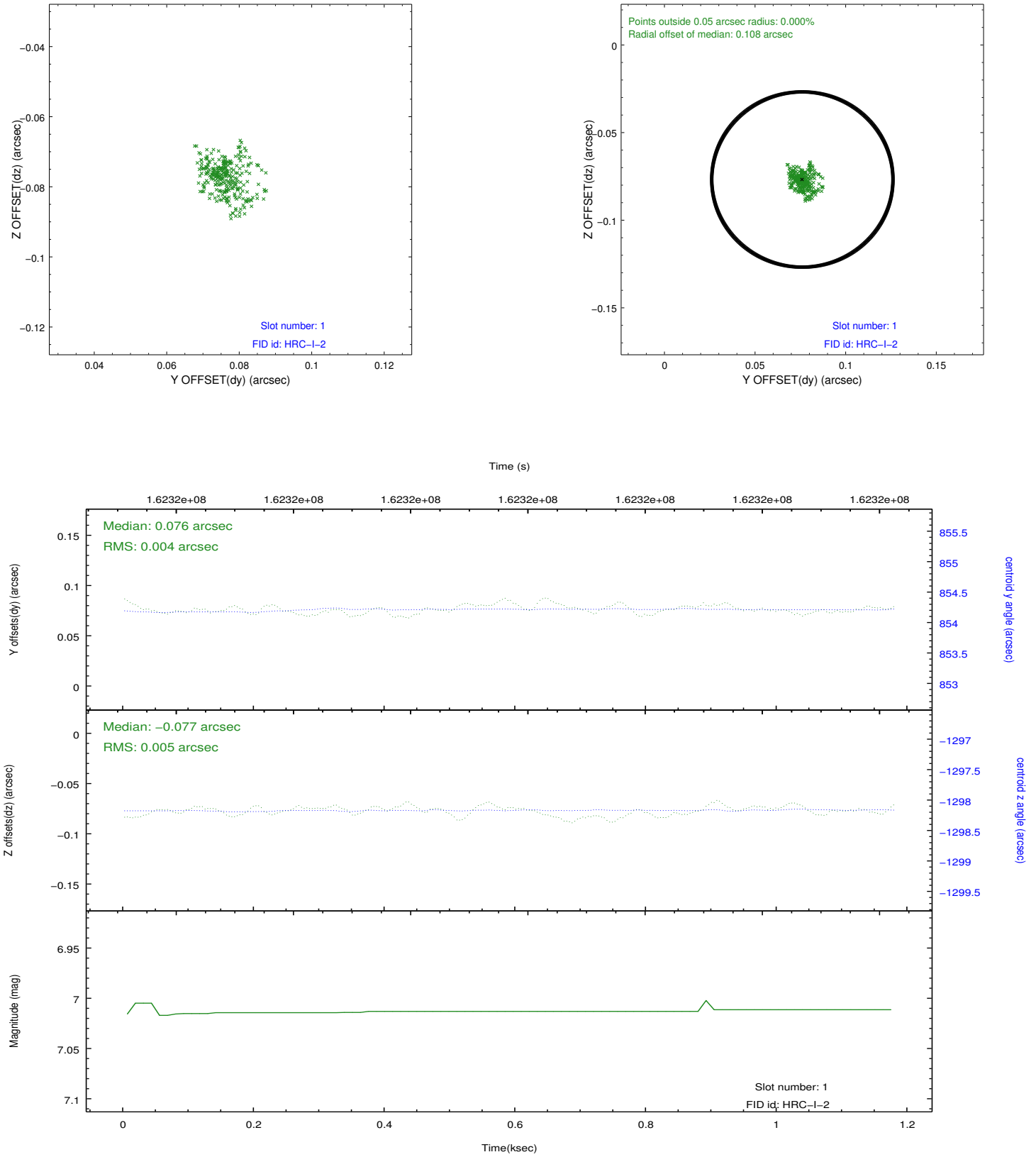


2.5 FID Slots

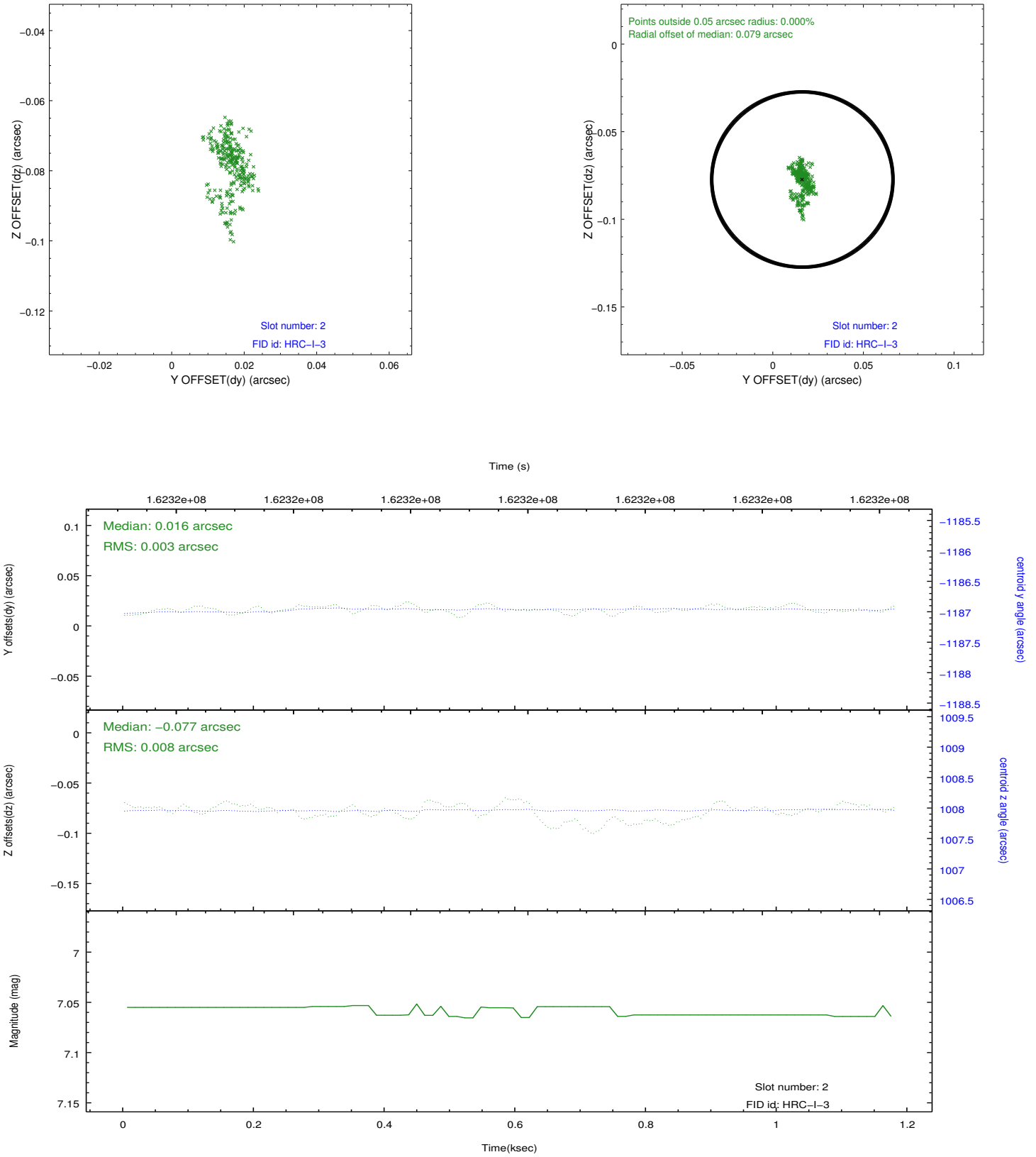
2.5.1 Slot 0



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	1.18

A.2 Comments

Window constraint met.