

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4304 - L2 Version 4
Chandra X-Ray Center

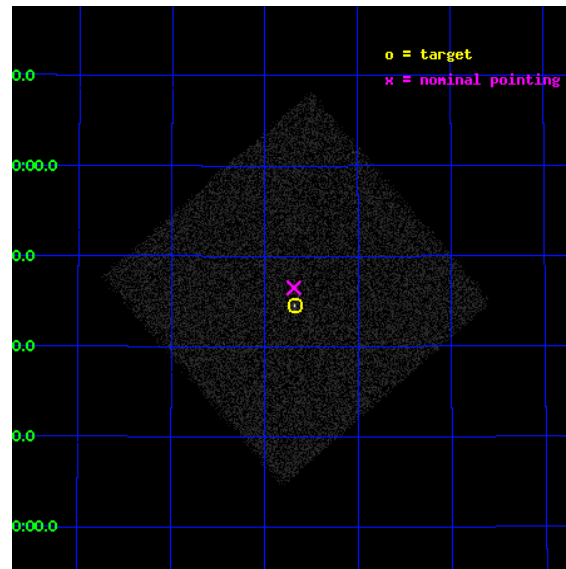
L2 Processing Date : Oct 23 2012

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1 Front

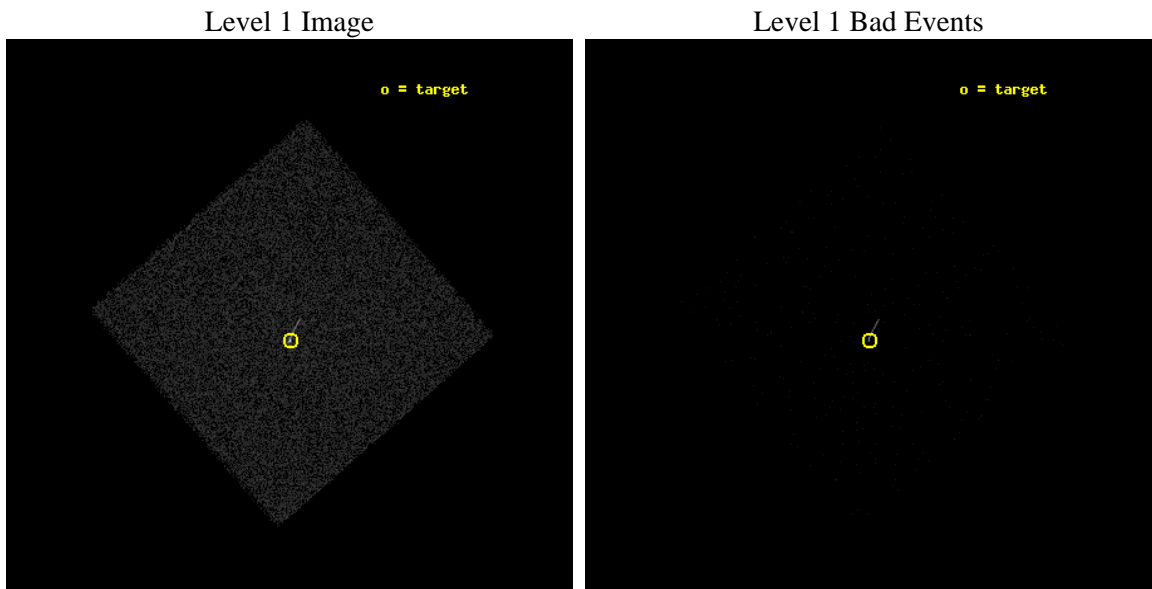
seq_num	290264	Sequence number
obs_id	4304	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17203661125	Nominal RA [deg]
dec_nom	45.77522625155	Nominal Dec [deg]
roll_nom	3.8641167014445	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1183.8750497997	[s]
livetime	1177.1340543117	Ontime multiplied by DTCOR
l2events	39405	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	1183.8750497997	[s]
caldbver	4.5.2	 	l1events	70895	Number of level 1 events
date	2012-10-23T09:29:32	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

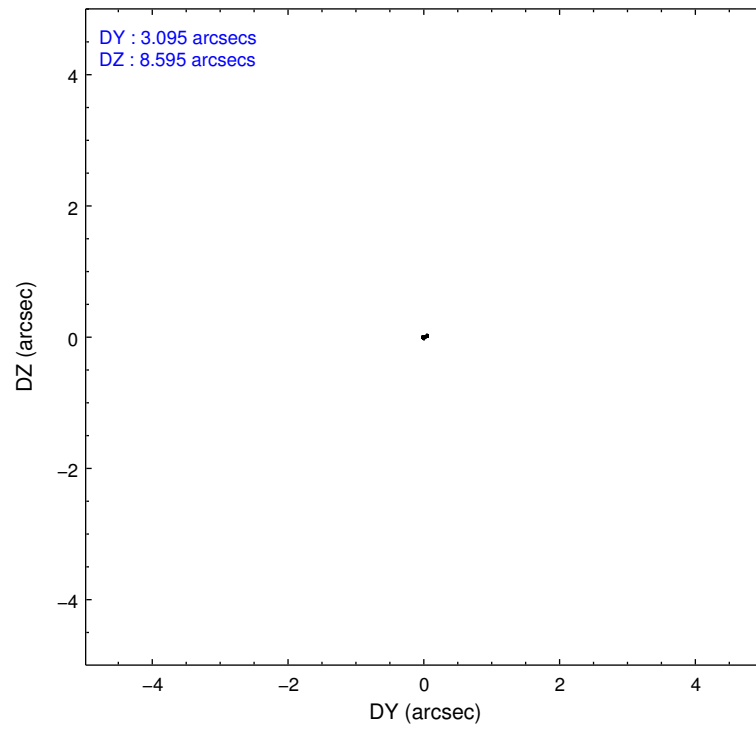
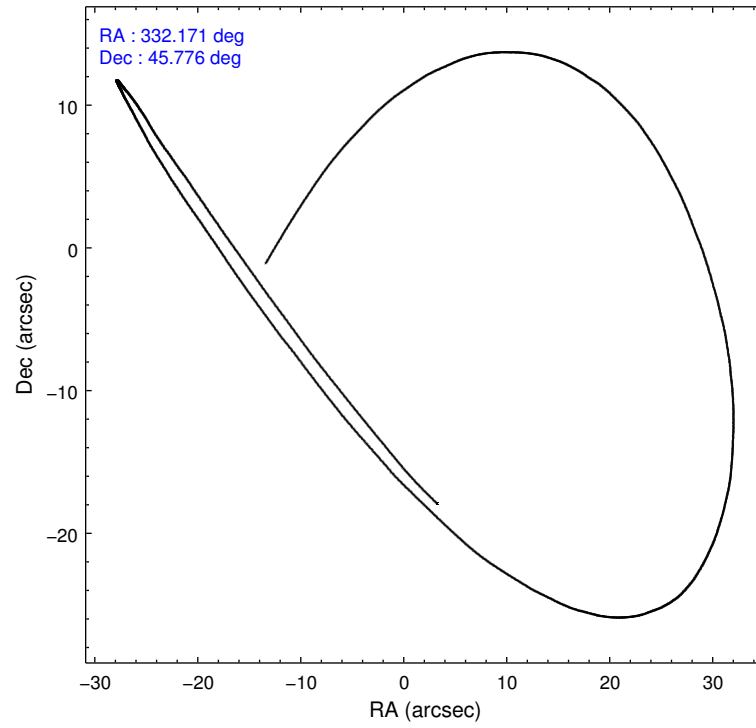
Level 1 Events

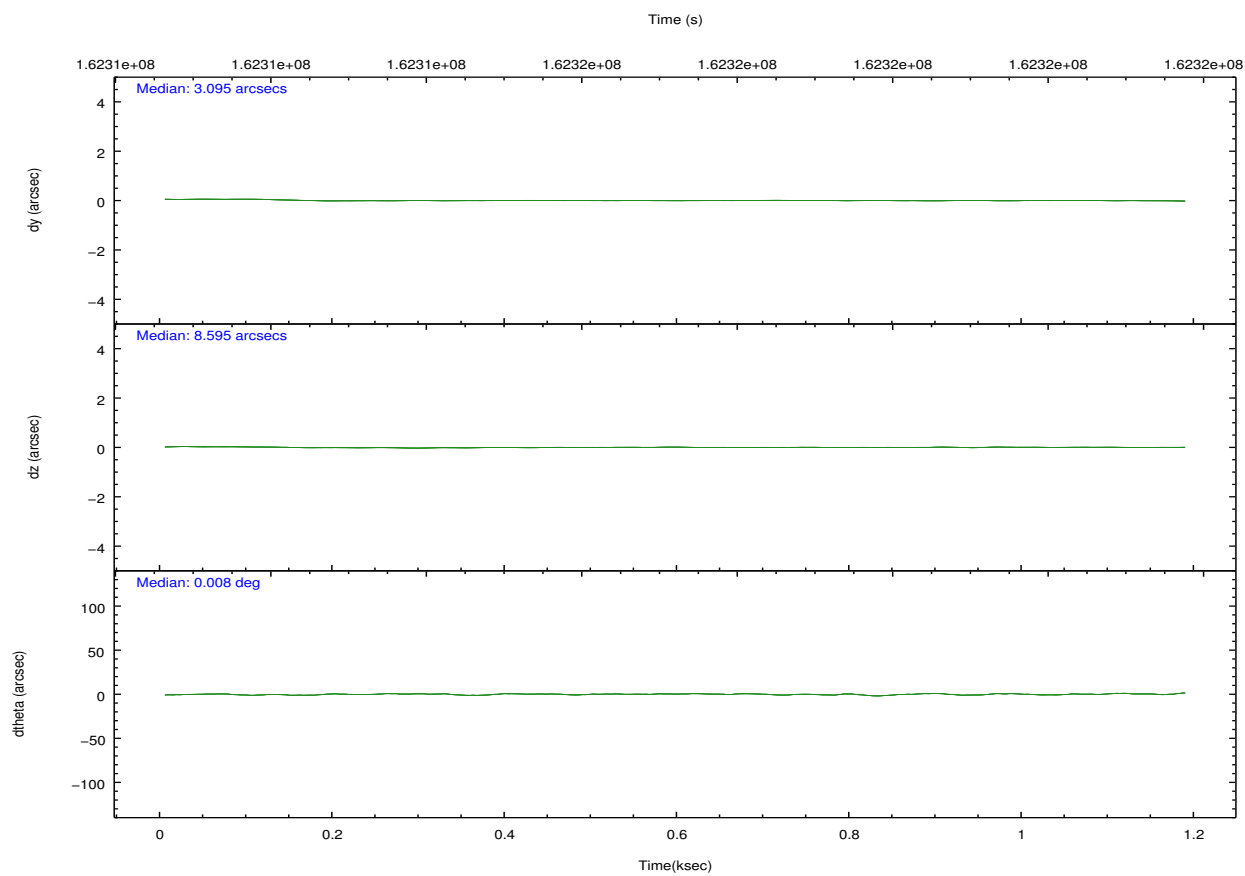
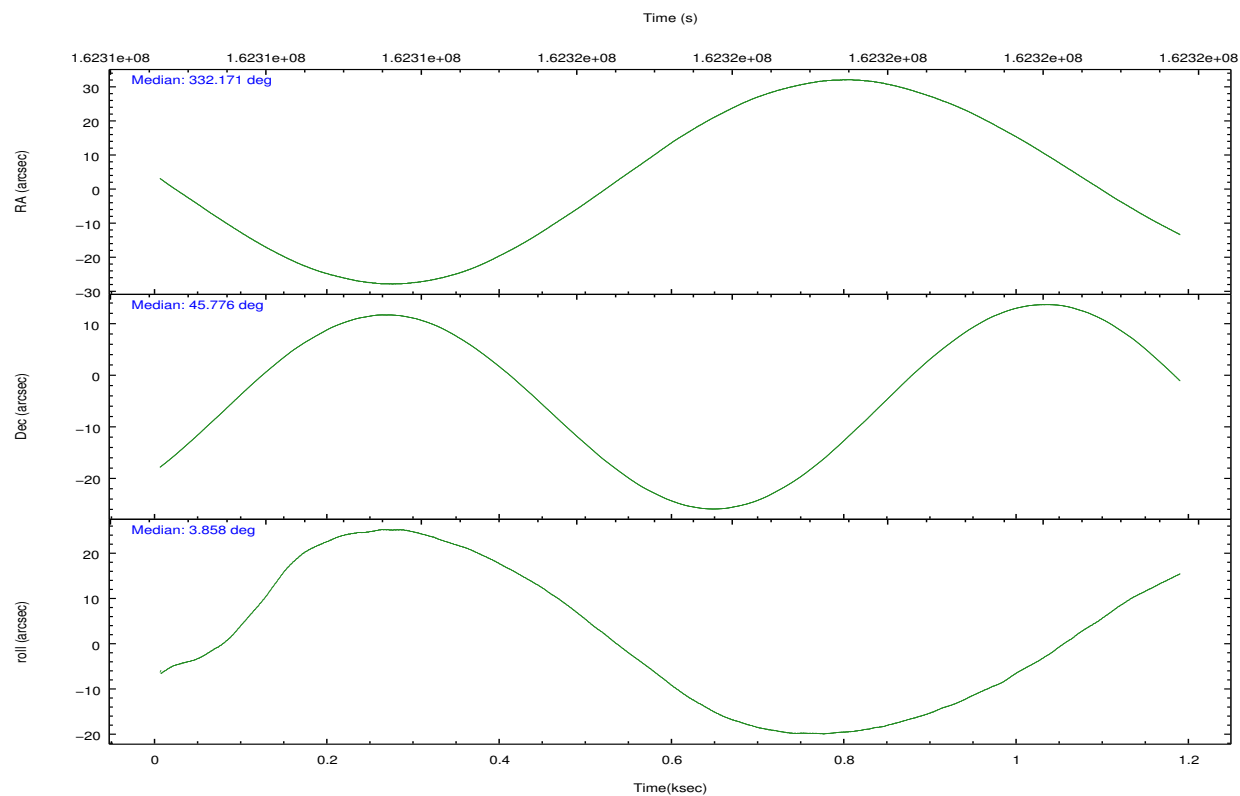
	segment 0
level 1 events	70895
rejected events	15171
rejected %	21%

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	332.140604	332.1720366112506			
[deg] Pointing Dec	45.758584	45.77522625154955			
[deg] Pointing Roll	3.982186	3.864116701444519			
[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)	162314718.184000	162314342.24543			
Observation start date	2003-02-22T15:24:14	2003-02-22T15:19:02			
[s] Observation end time (MET)	162315718.184000	162315852.07049			
Observation end date	2003-02-22T15:40:54	2003-02-22T15:44:12			

2.3 Aspect



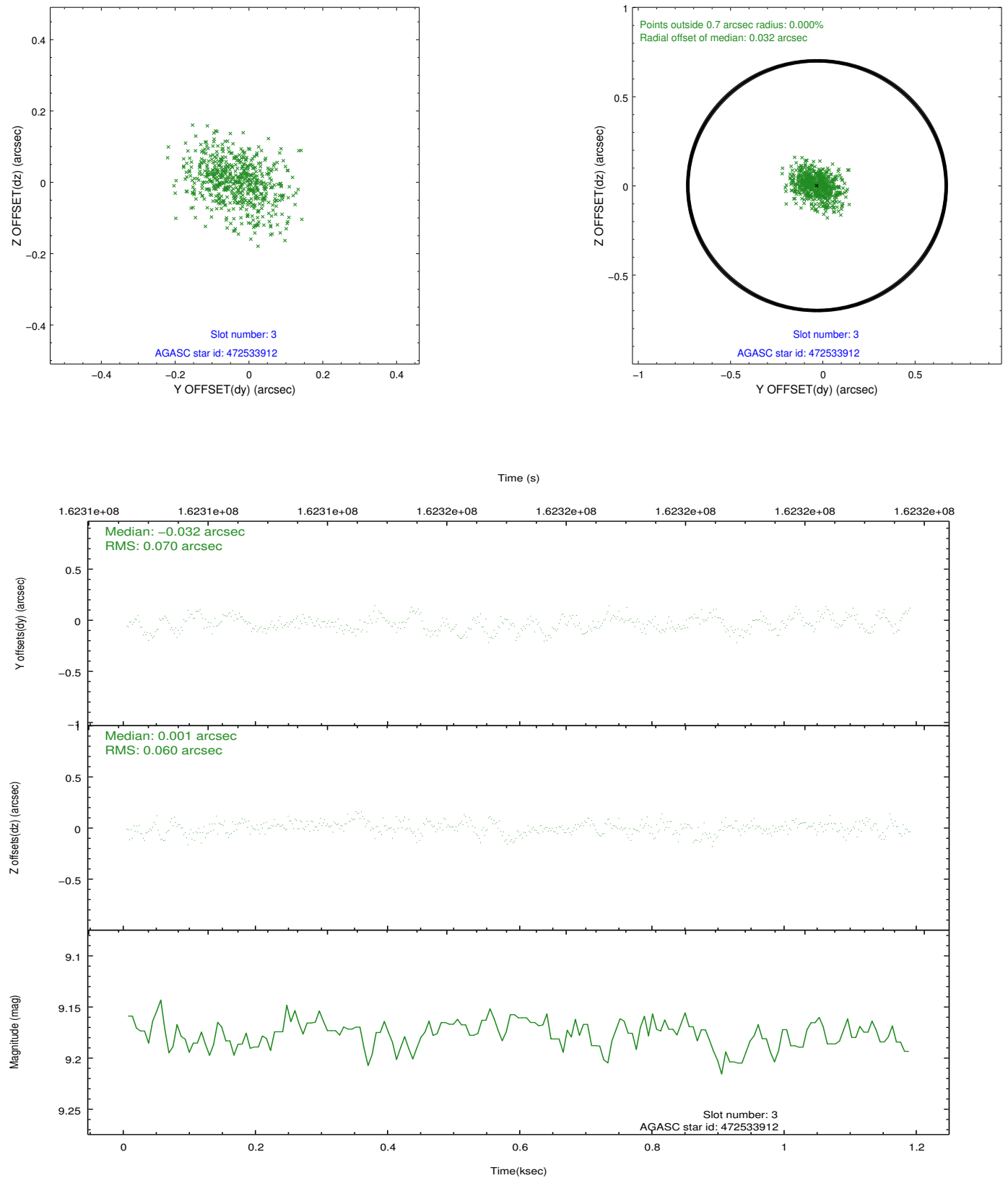


Slot Statistics

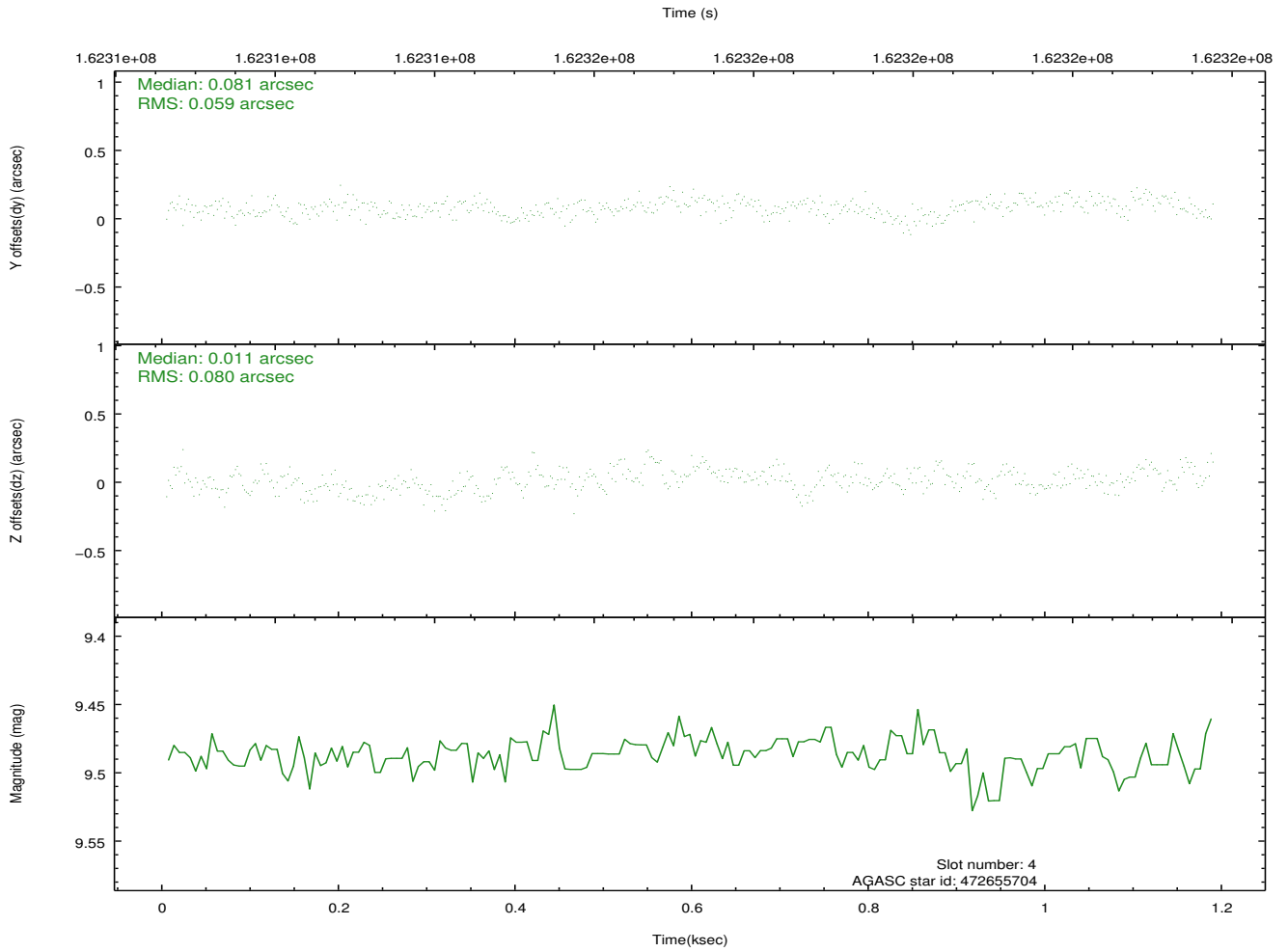
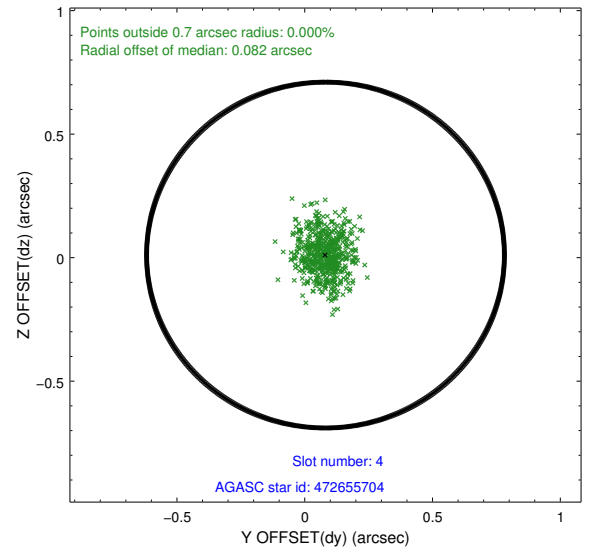
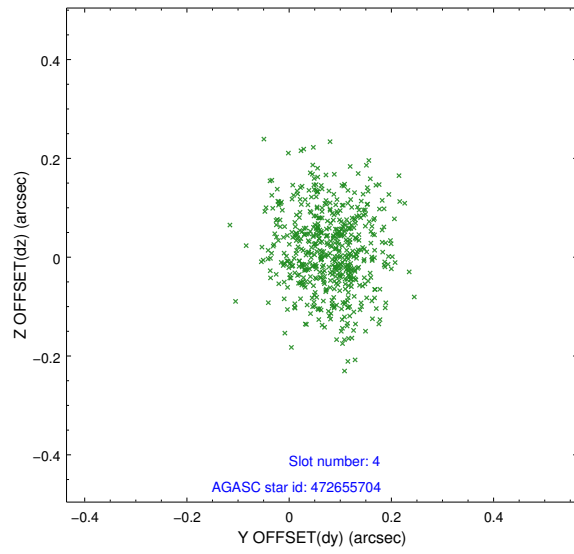
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	0.027	0.061	0.008	0.012	0.000000	0.000000	-758.55	-1296.48
1	FID	HRC-I-2	7.01	289	0.075	-0.075	0.006	0.010	0.000000	0.000000	851.51	-1302.66
2	FID	HRC-I-3	7.06	289	0.017	-0.075	0.007	0.013	0.000000	0.000000	-1184.10	1003.45
3	GUIDE	472533912	9.17	579	-0.032	0.001	0.098	0.159	331.791136	46.368695	-712.95	2249.67
4	GUIDE	472655704	9.49	579	0.081	0.011	0.109	0.174	332.167195	45.285228	-51.42	-1704.29
5	GUIDE	472659832	9.46	576	0.020	0.074	0.091	0.159	332.780399	46.098139	1679.15	1108.60
6	GUIDE	472527720	6.99	579	-0.166	-0.057	0.061	0.106	331.460205	45.112509	-1881.87	-2194.86
7	GUIDE	472655152	9.43	578	0.103	-0.031	0.092	0.154	332.504239	45.862991	933.19	306.42

2.4 Star Slots

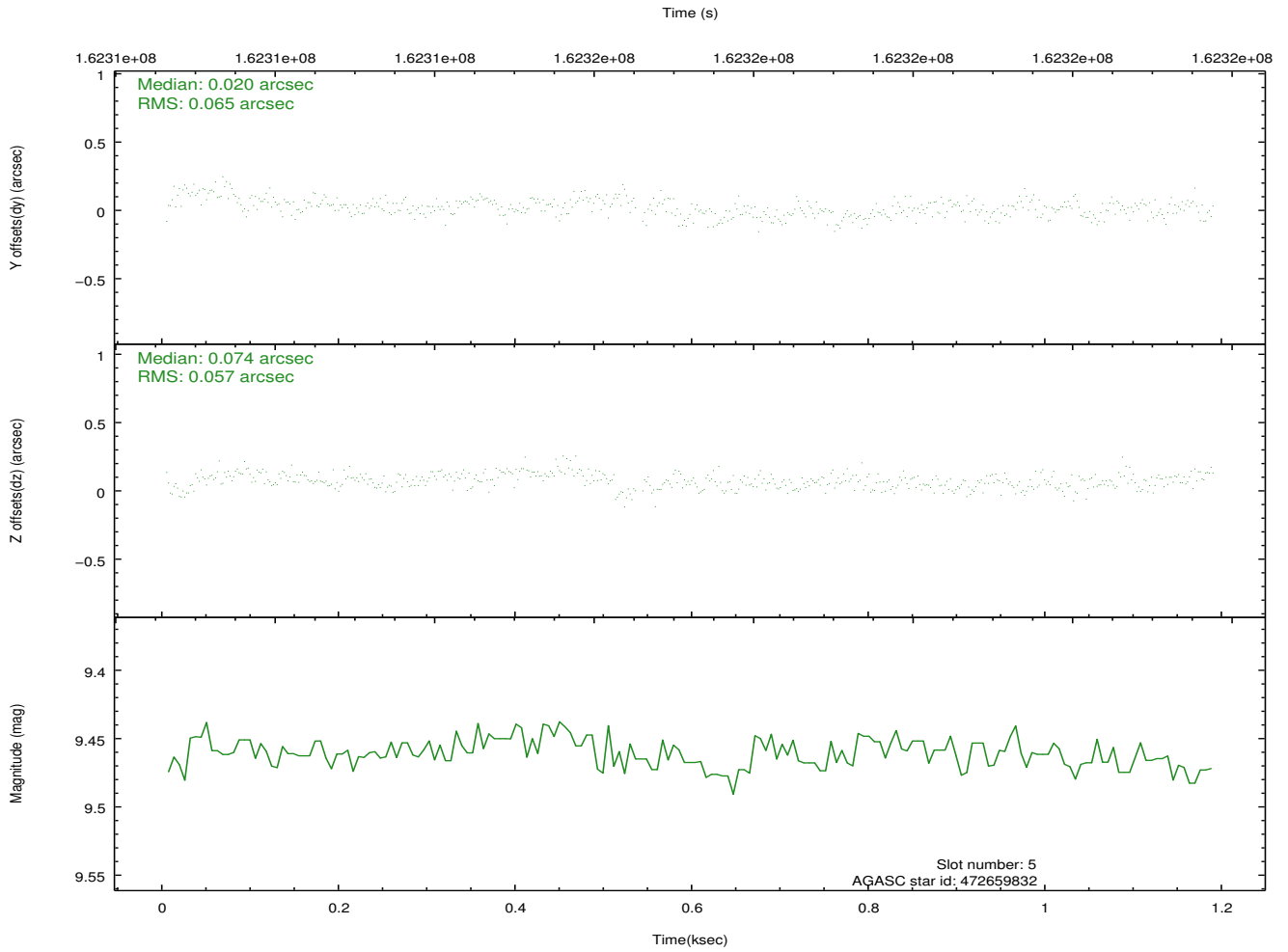
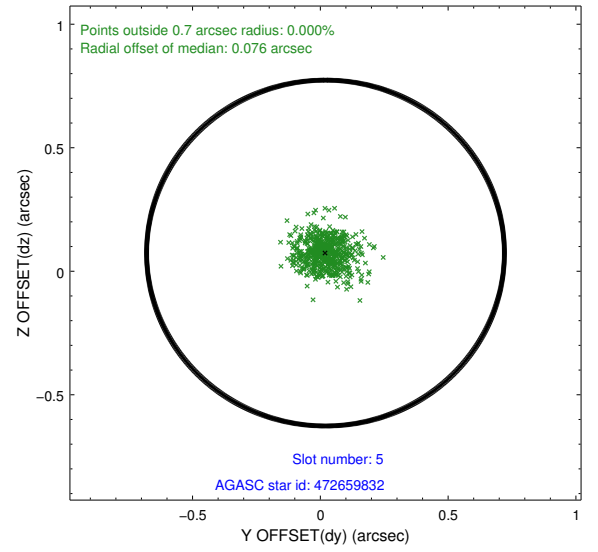
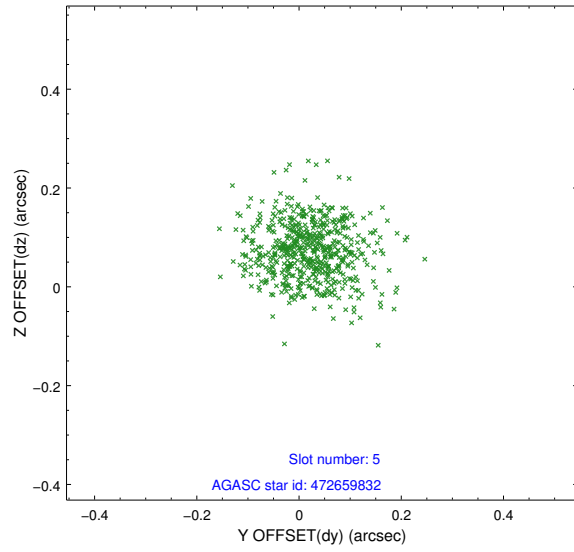
2.4.1 Slot 3



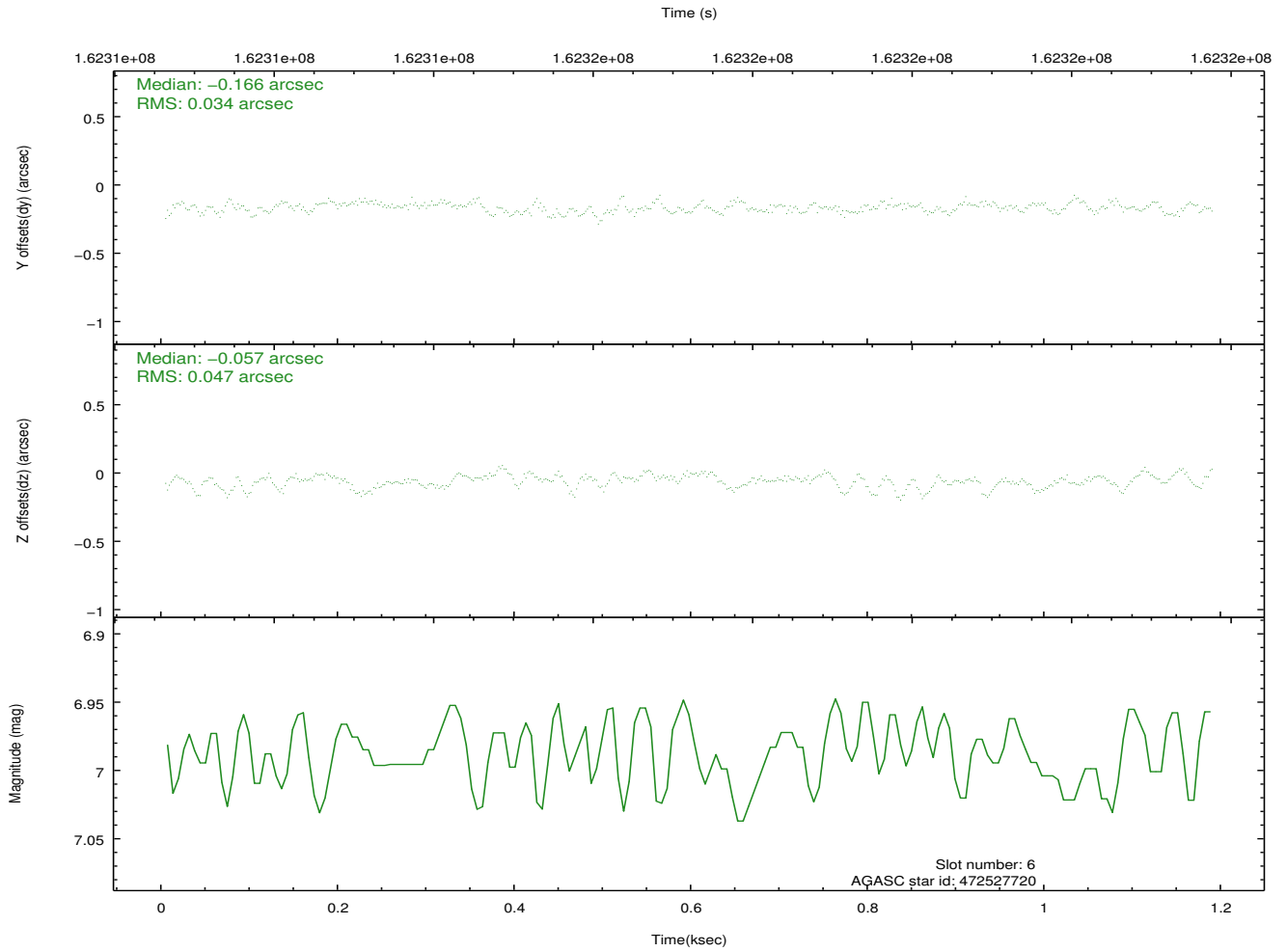
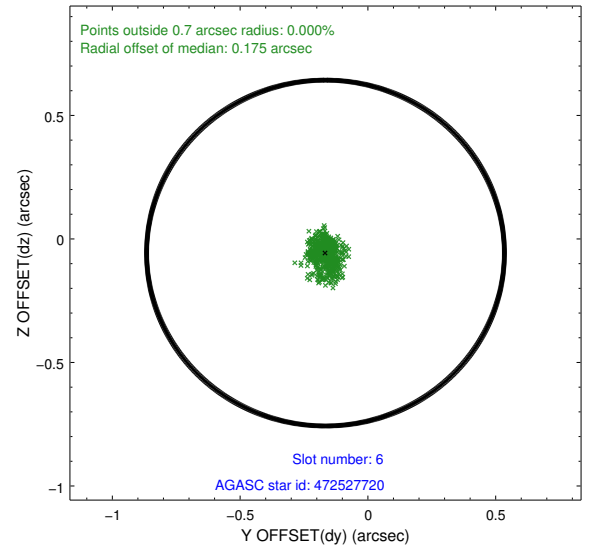
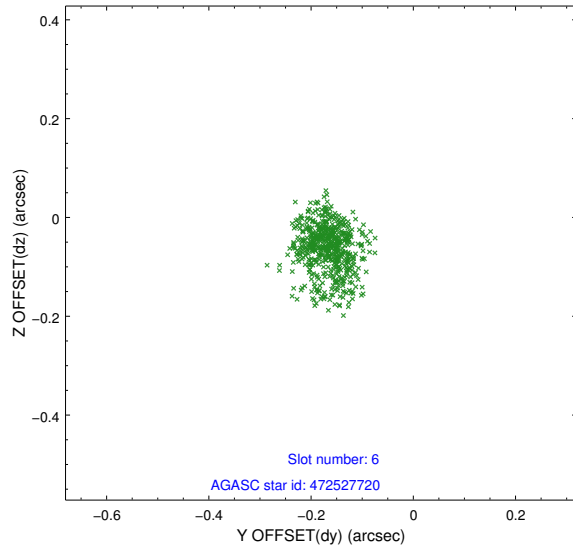
2.4.2 Slot 4



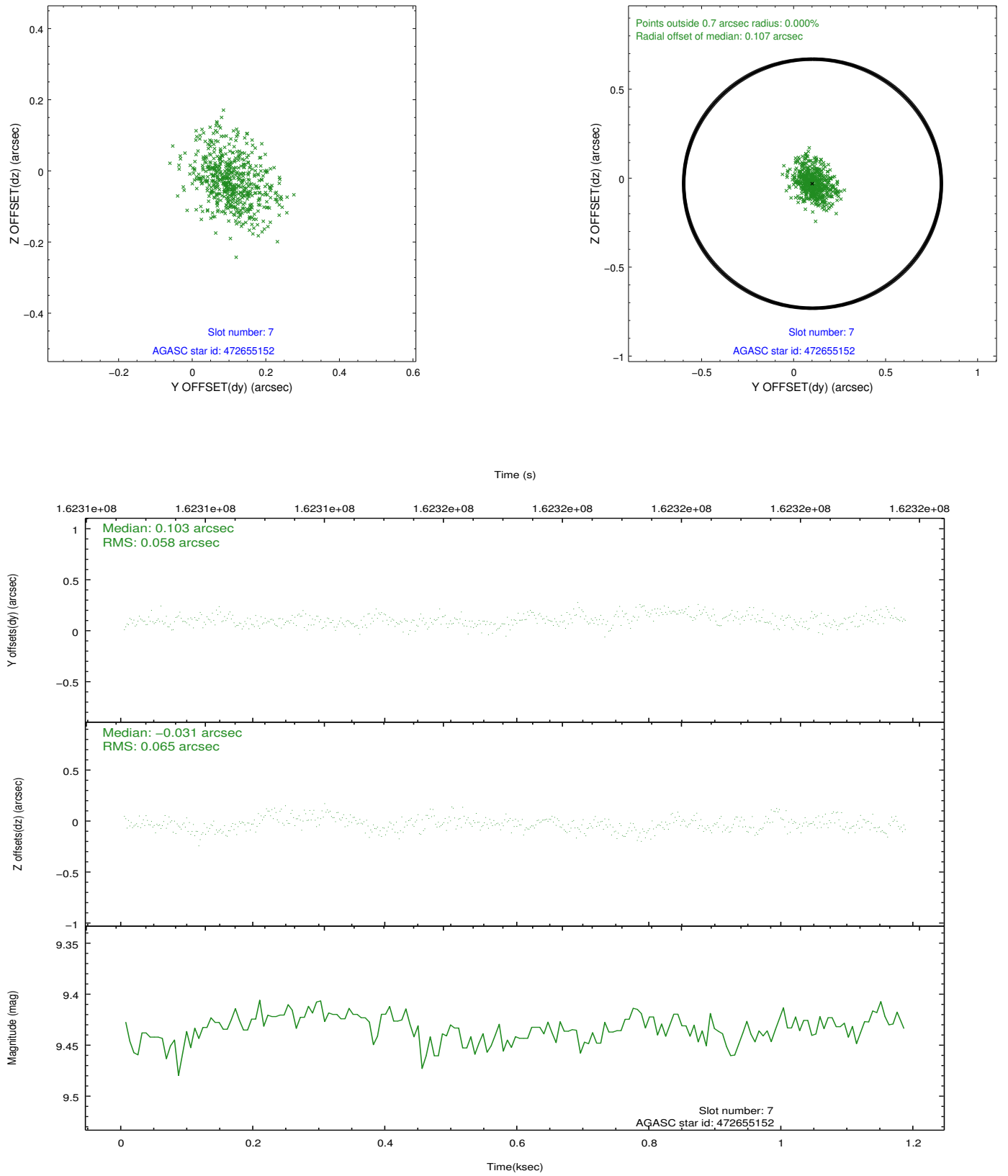
2.4.3 Slot 5



2.4.4 Slot 6

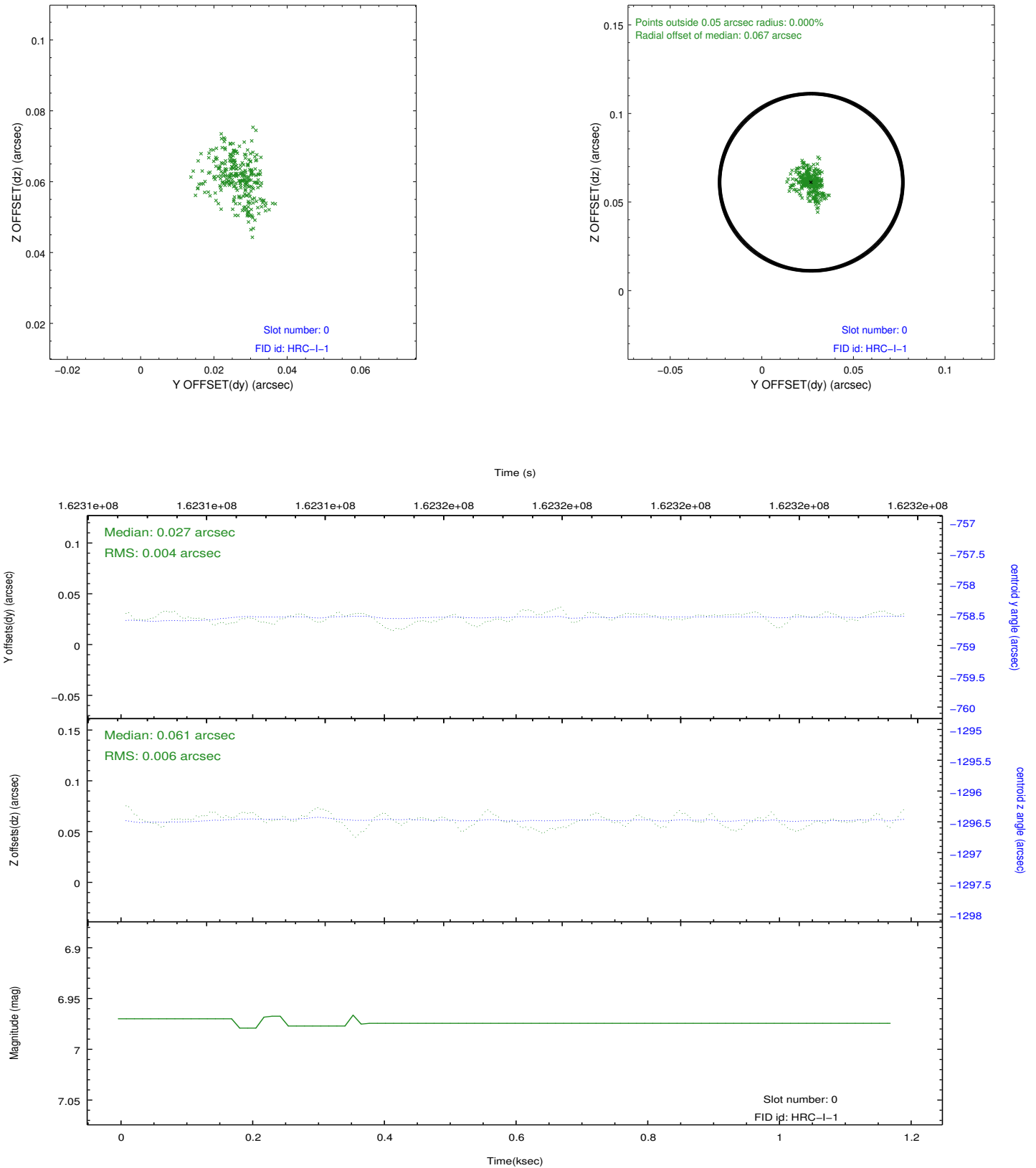


2.4.5 Slot 7

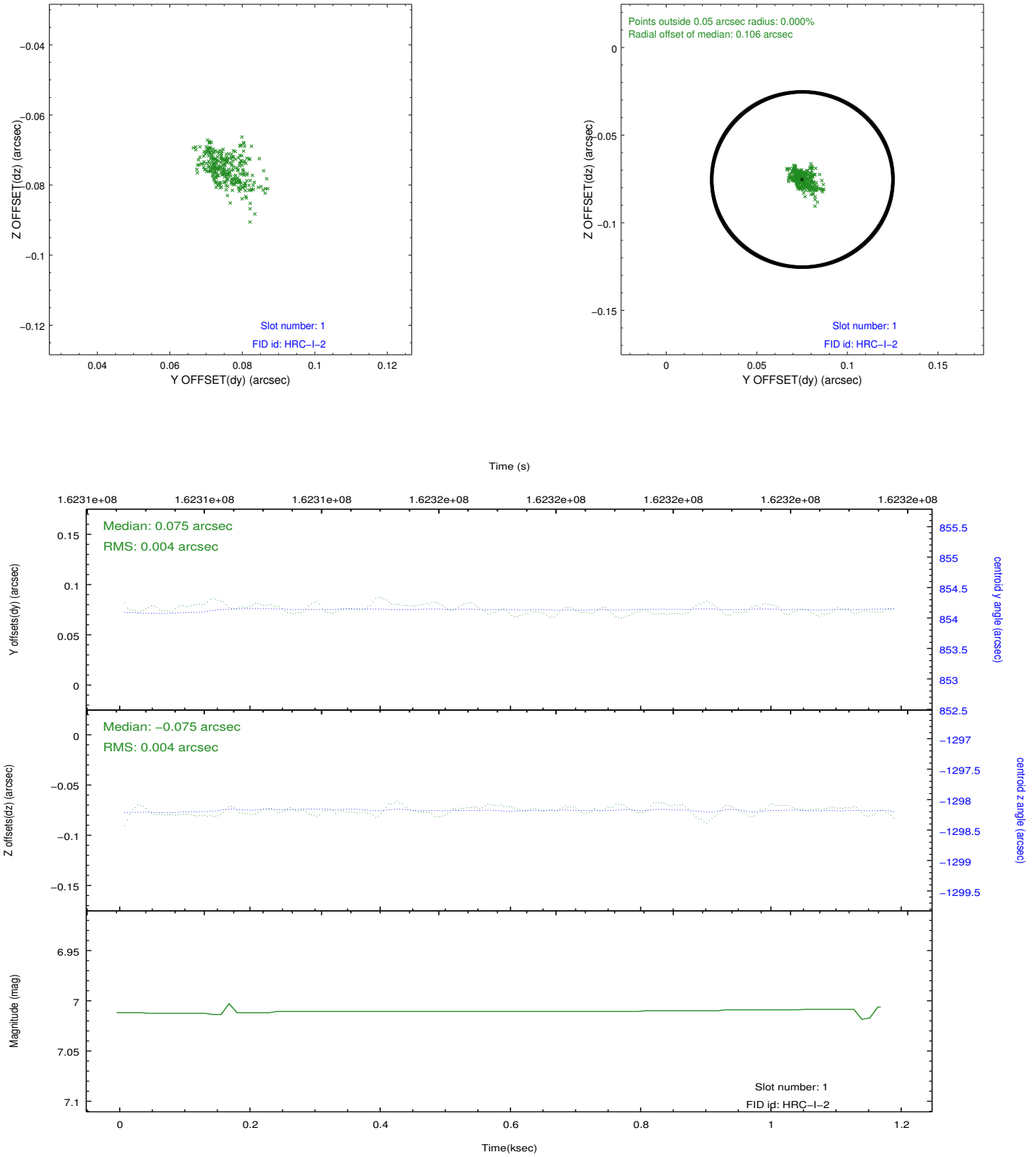


2.5 FID Slots

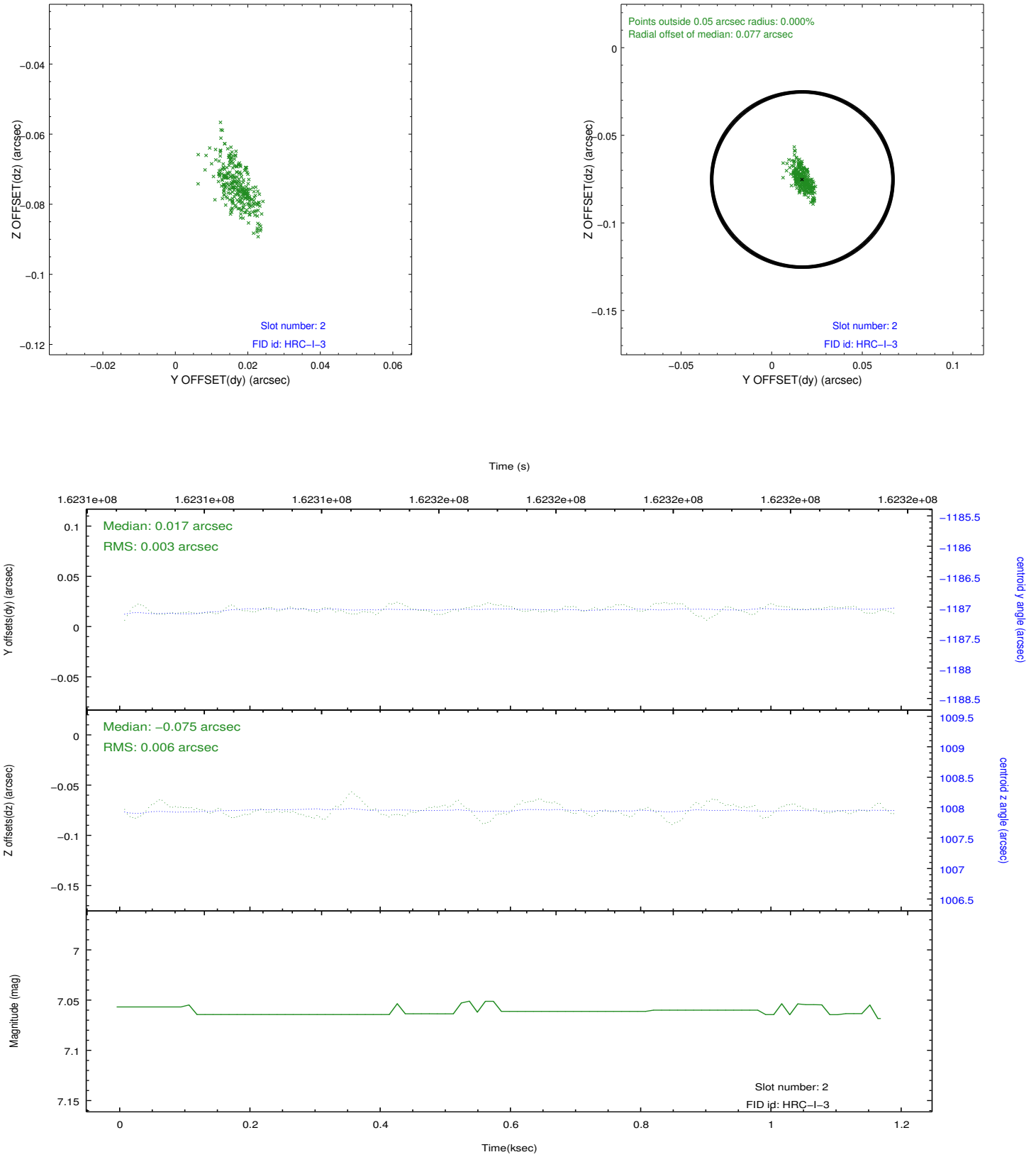
2.5.1 Slot 0



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.