

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4301 - L2 Version 4
Chandra X-Ray Center

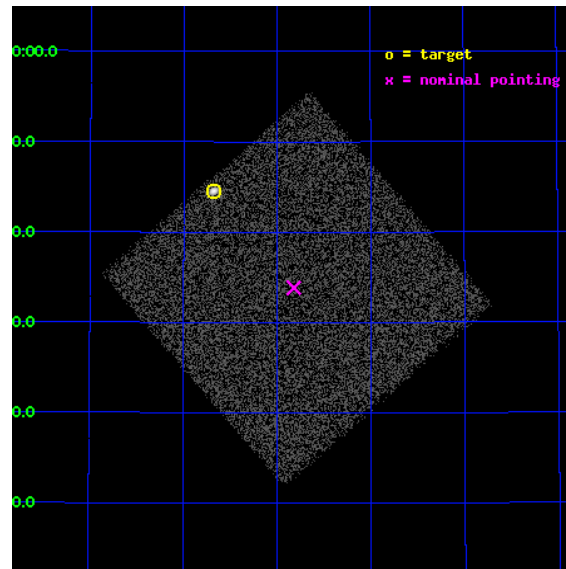
L2 Processing Date : Oct 23 2012

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1 Front

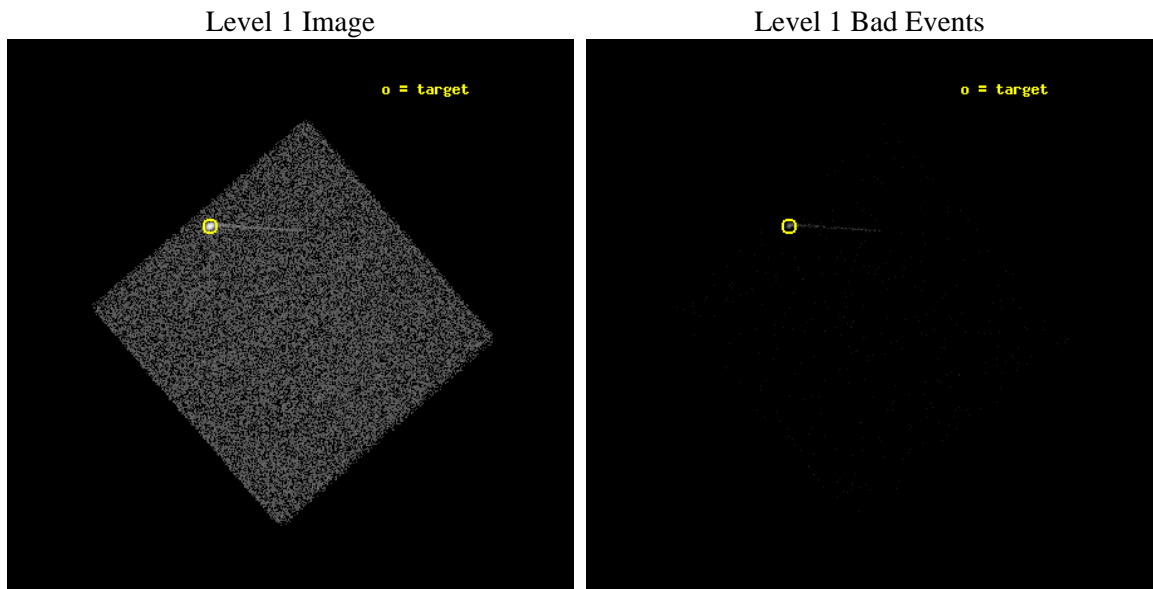
seq_num	290261	Sequence number
obs_id	4301	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.95511699176	Nominal RA [deg]
dec_nom	45.563982990641	Nominal Dec [deg]
roll_nom	4.0698731794402	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1182.0812997222	[s]
livetime	1175.5642303788	Ontime multiplied by DTCOR
l2events	36945	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	1182.0812997222	[s]
caldbver	4.5.2	 	l1events	67257	Number of level 1 events
date	2012-10-23T09:29:27	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

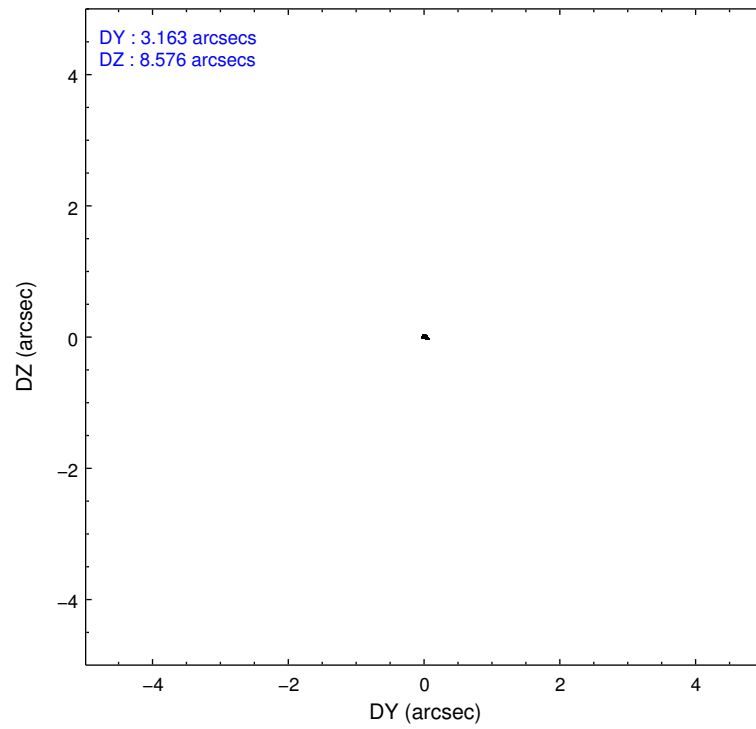
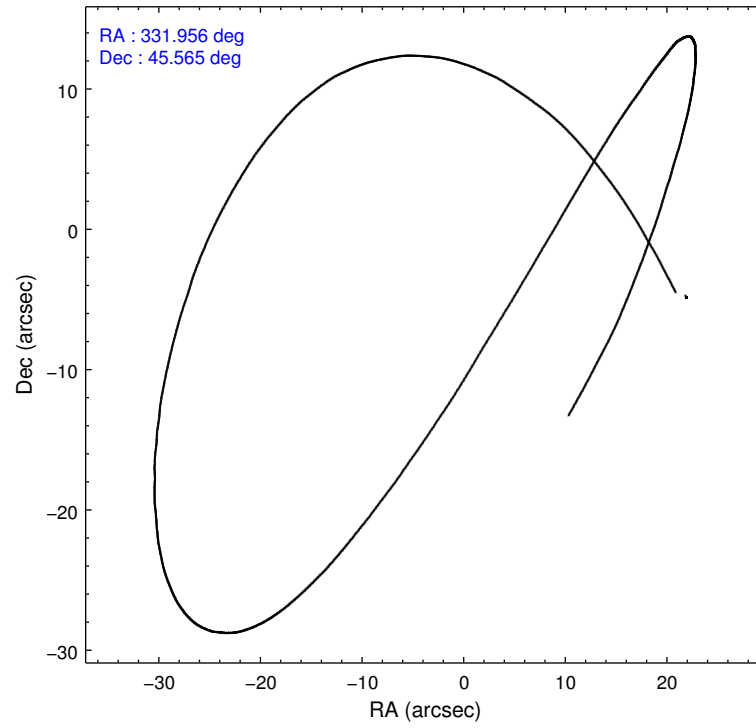
Level 1 Events

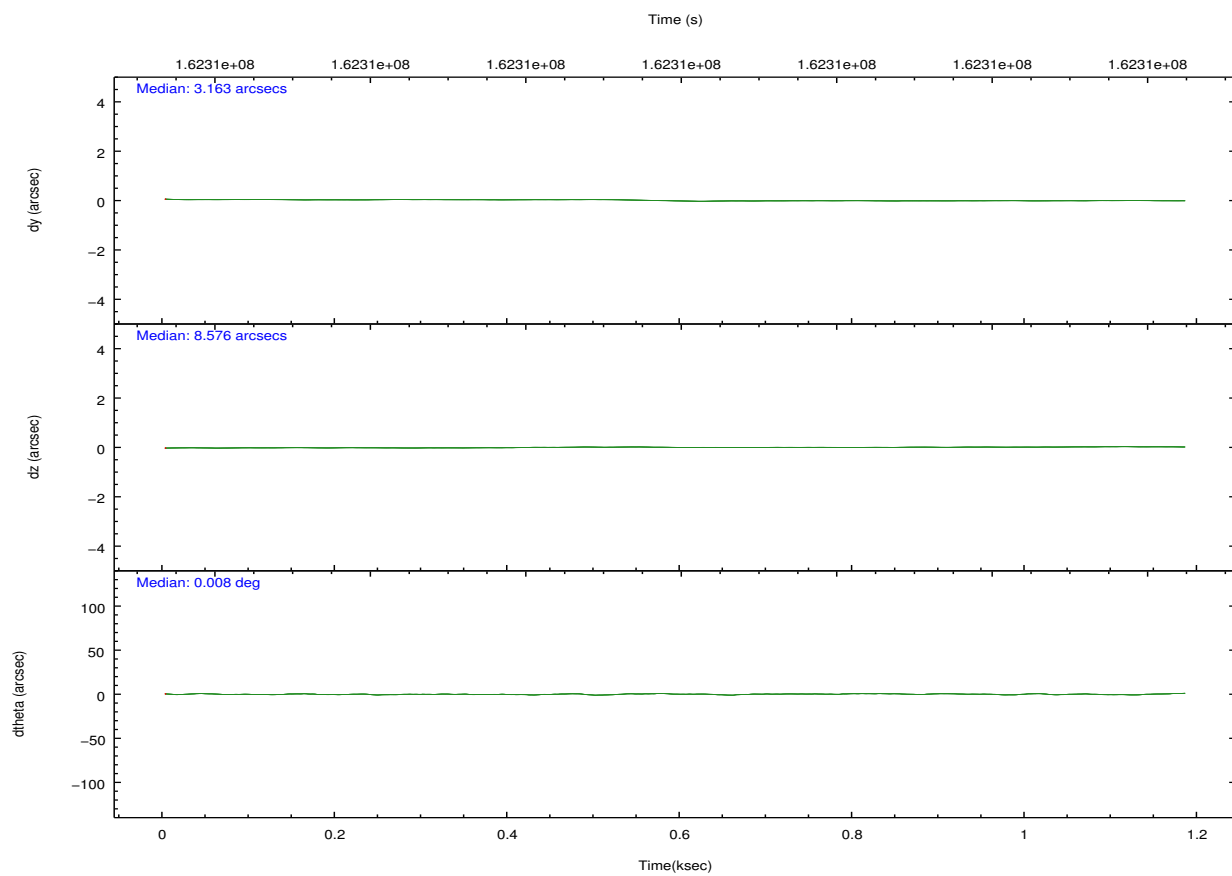
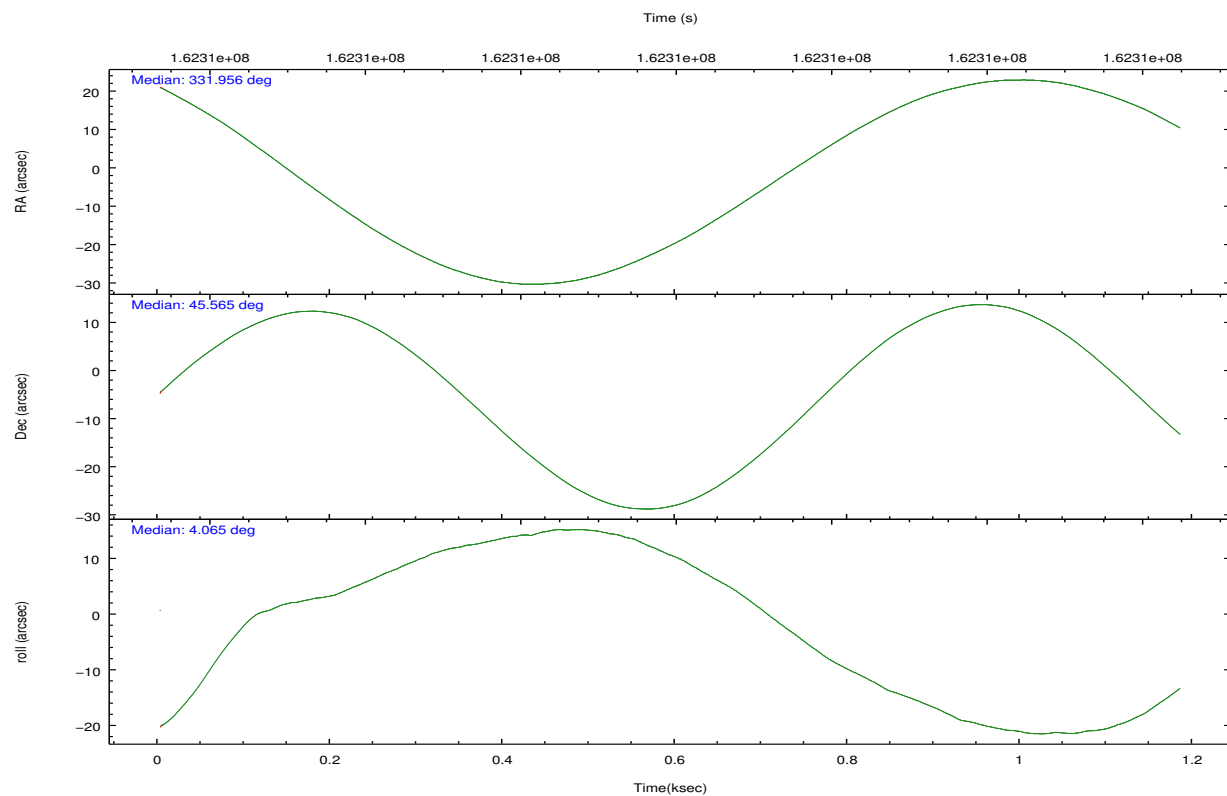
	segment 0
level 1 events	67257
rejected events	14592
rejected %	21%

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	331.923283	331.9551169917565			
[deg] Pointing Dec	45.547135	45.56398299064102			
[deg] Pointing Roll	4.188079	4.069873179440157			
[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)	162310188.184000	162309811.74524			
Observation start date	2003-02-22T14:08:44	2003-02-22T14:03:31			
[s] Observation end time (MET)	162311188.184000	162311321.5703			
Observation end date	2003-02-22T14:25:24	2003-02-22T14:28:41			

2.3 Aspect



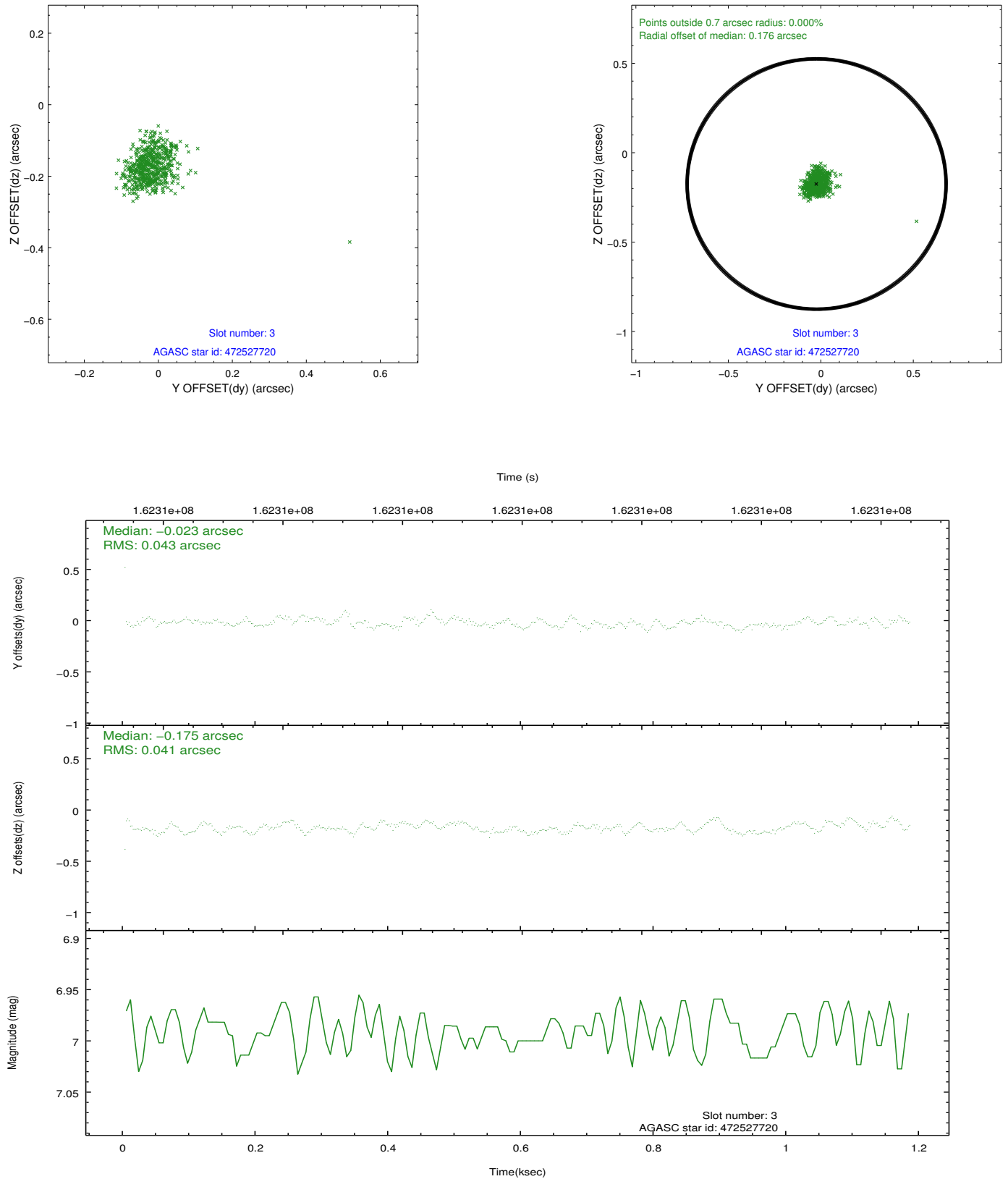


Slot Statistics

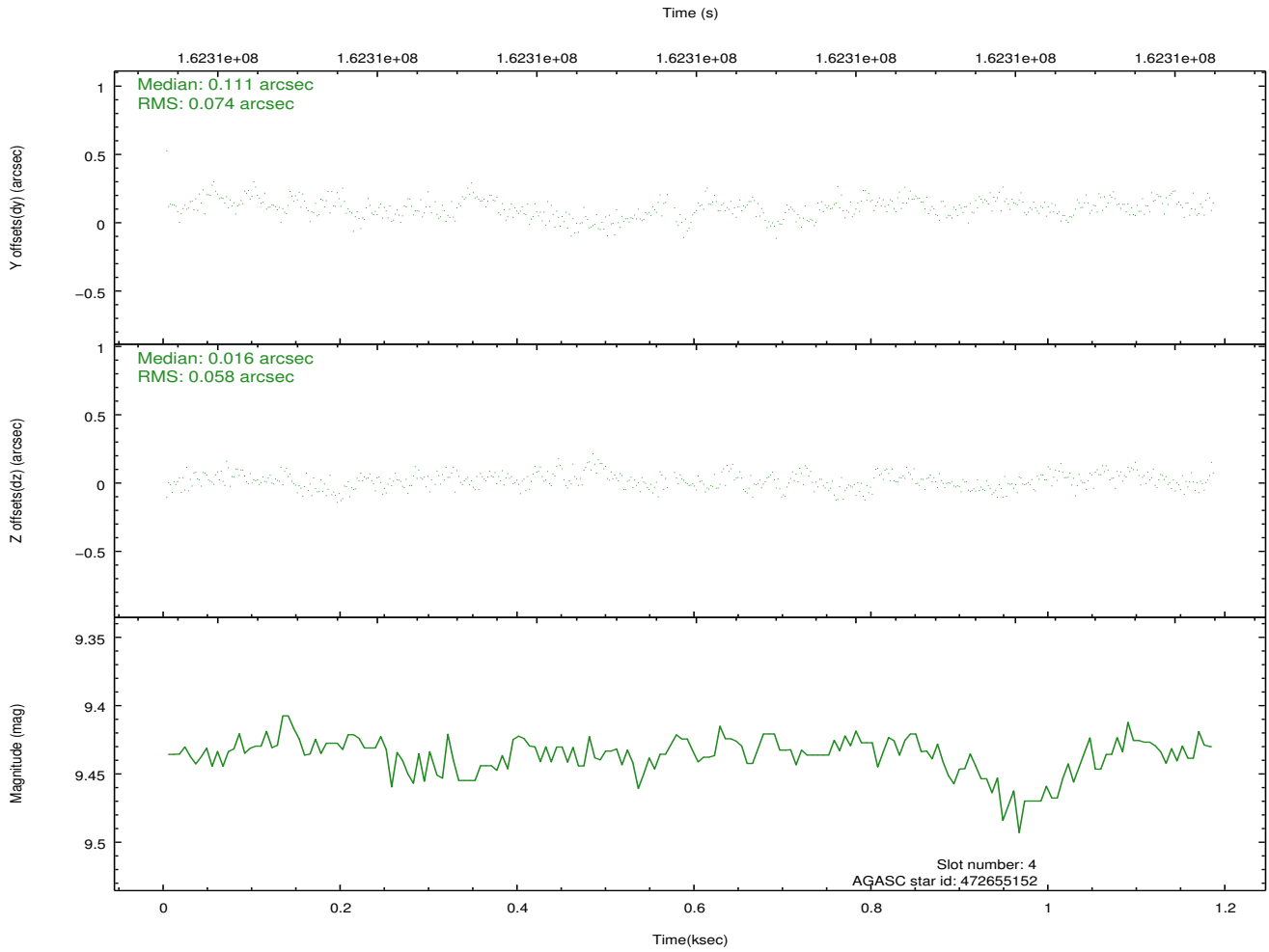
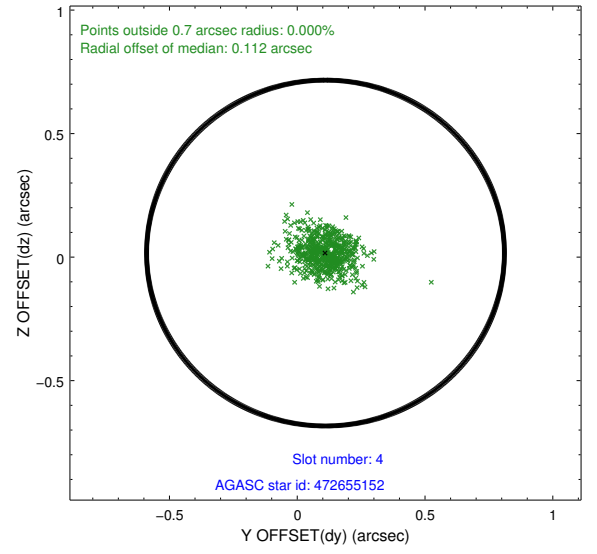
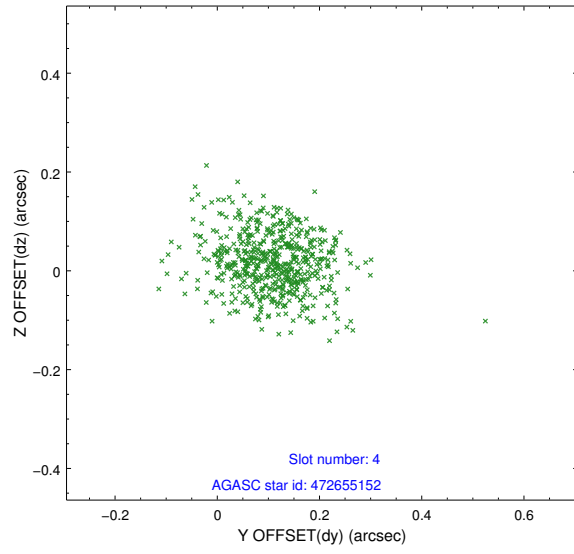
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	289	0.023	0.062	0.006	0.010	0.000000	0.000000	-758.62	-1296.45
1	FID	HRC-I-2	7.01	289	0.081	-0.078	0.005	0.009	0.000000	0.000000	851.44	-1302.64
2	FID	HRC-I-3	7.06	289	0.015	-0.073	0.006	0.011	0.000000	0.000000	-1184.18	1003.47
3	GUIDE	472527720	6.99	578	-0.023	-0.175	0.059	0.091	331.460205	45.112509	-1288.01	-1475.48
4	GUIDE	472655152	9.44	574	0.111	0.016	0.098	0.167	332.504239	45.862991	1532.90	1026.45
5	GUIDE	472659832	9.48	578	0.039	0.075	0.101	0.161	332.780399	46.098139	2281.44	1831.67
6	GUIDE	420754040	9.09	578	0.018	0.018	0.112	0.161	331.917939	44.882543	-184.50	-2385.86
7	GUIDE	472652872	10.11	577	-0.141	0.063	0.134	0.223	332.255928	45.019274	704.56	-1963.32

2.4 Star Slots

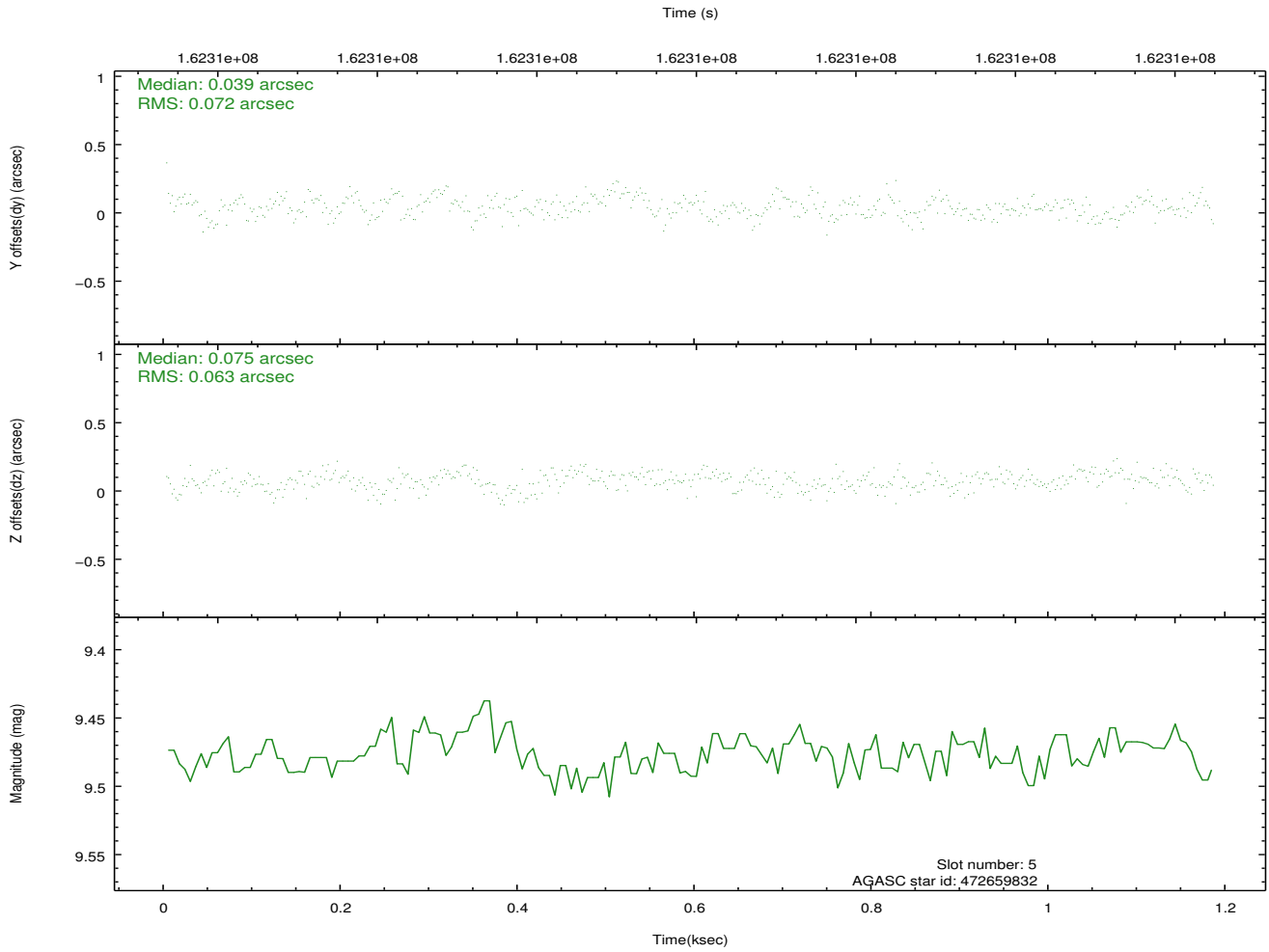
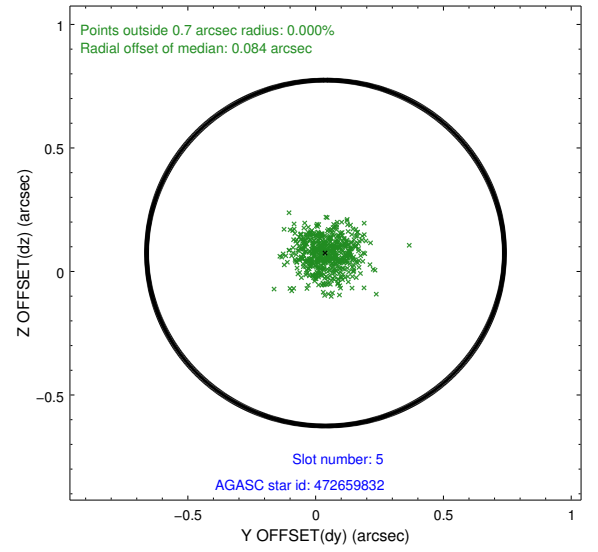
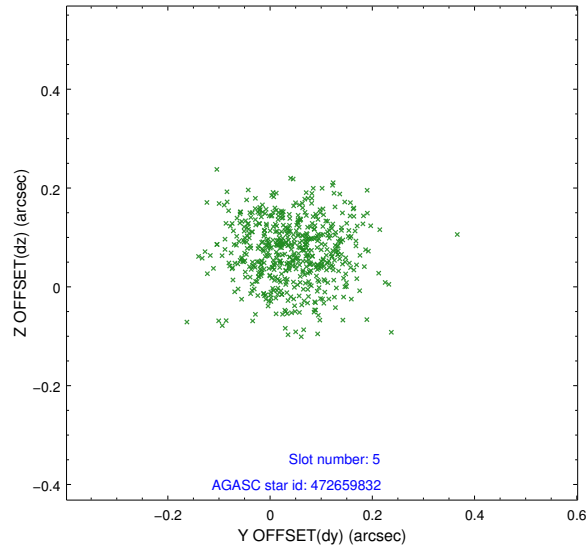
2.4.1 Slot 3



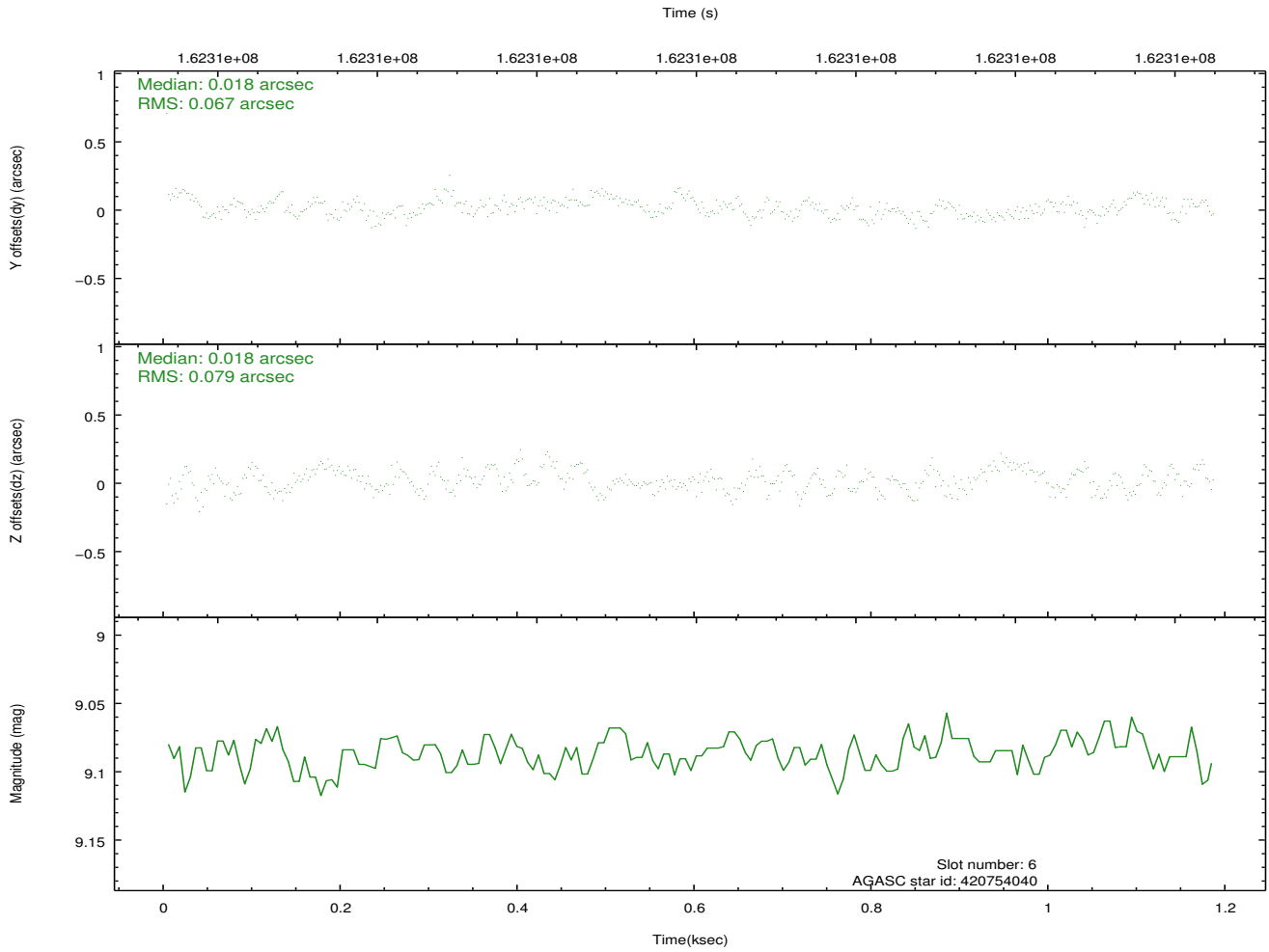
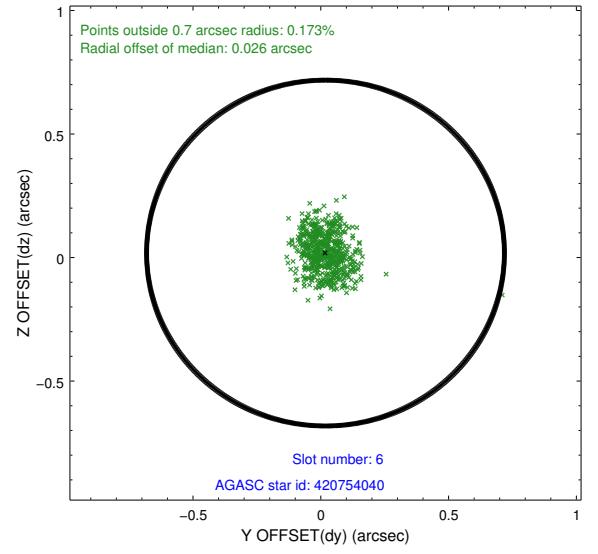
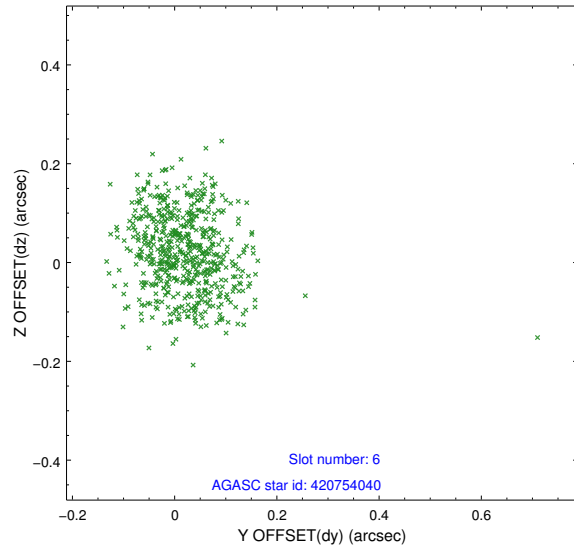
2.4.2 Slot 4



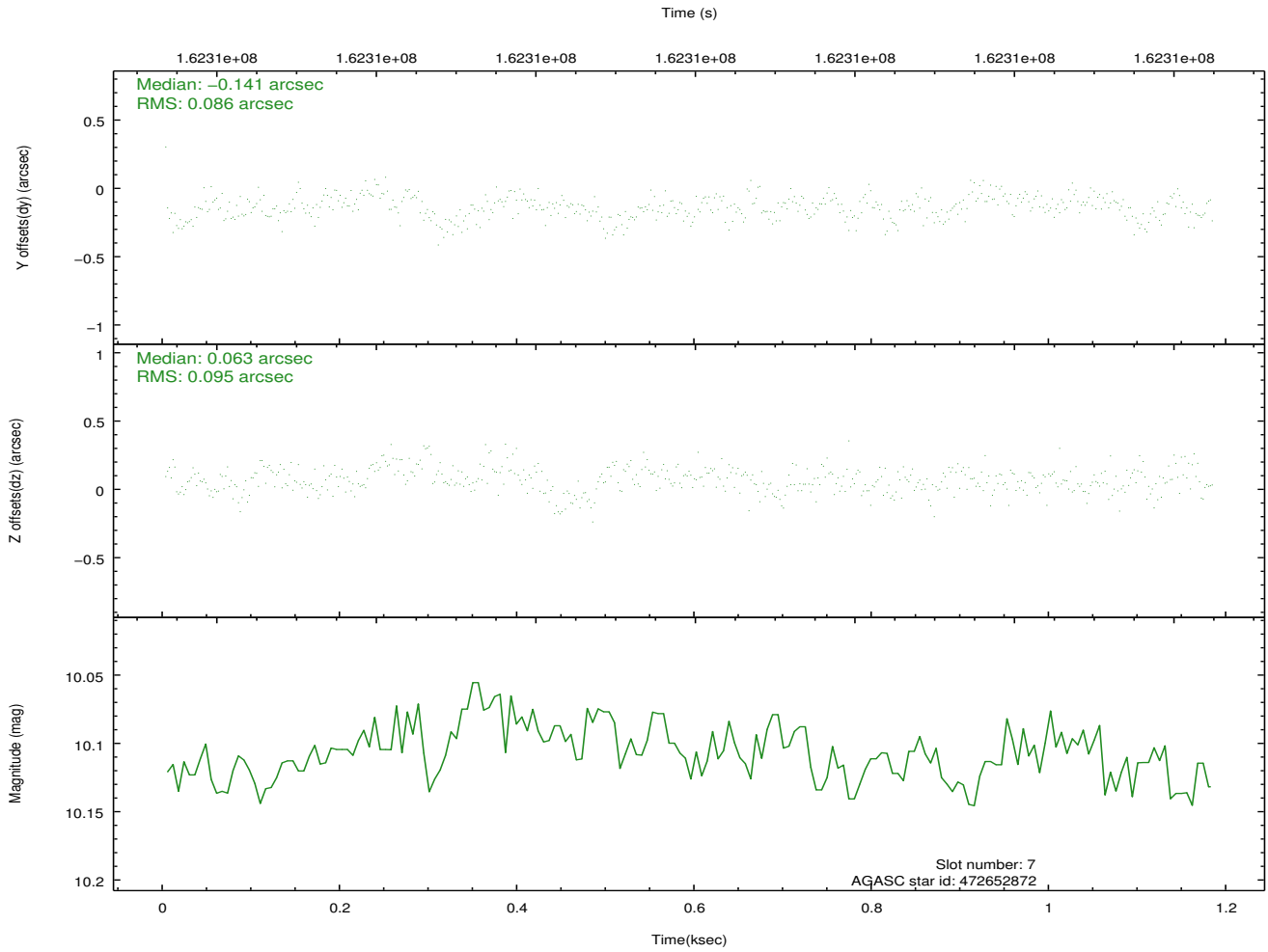
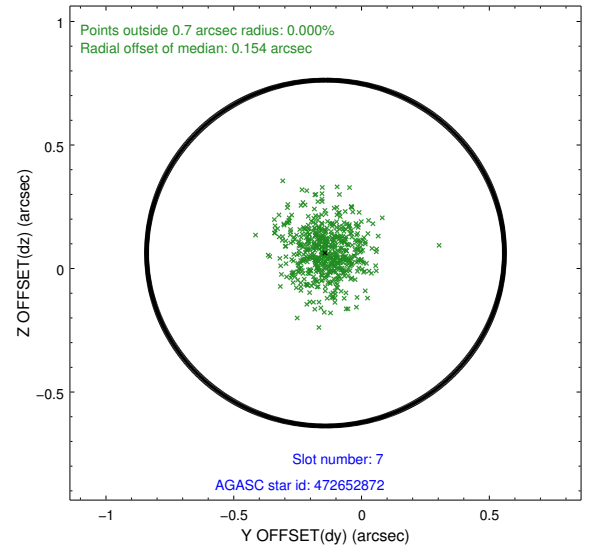
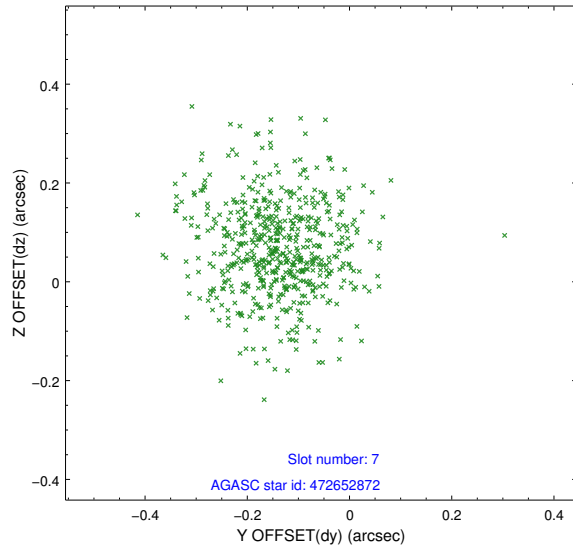
2.4.3 Slot 5



2.4.4 Slot 6

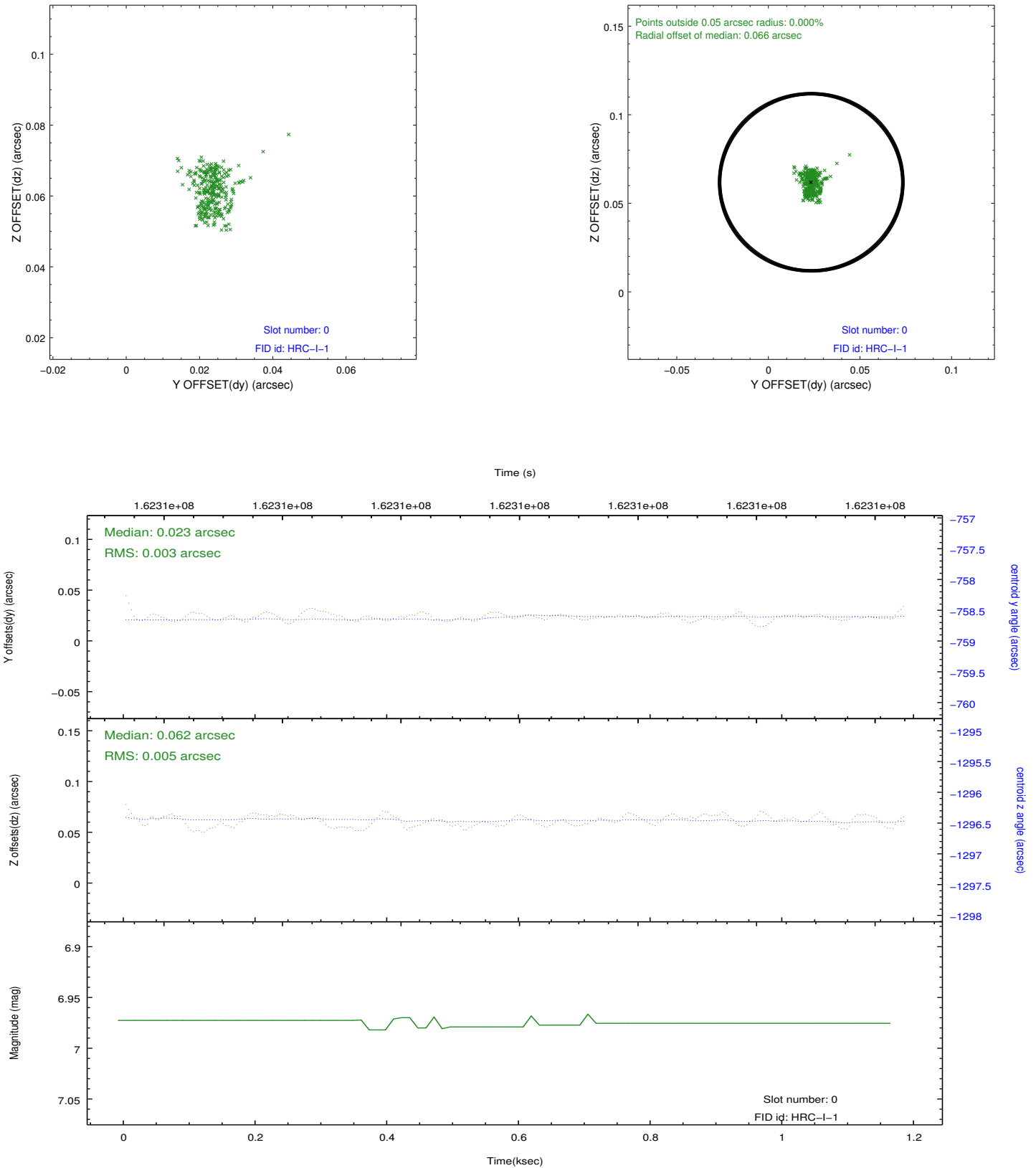


2.4.5 Slot 7

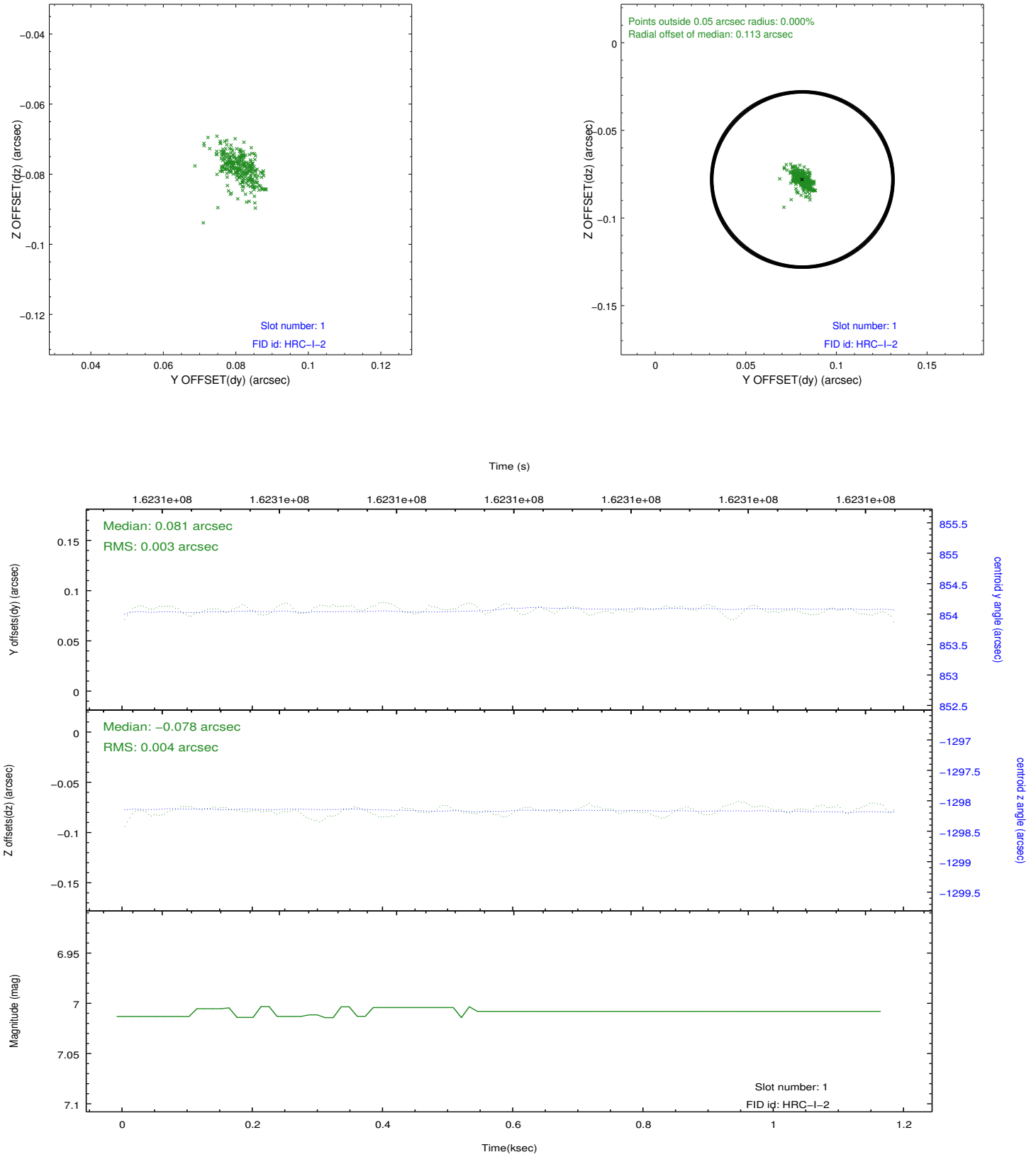


2.5 FID Slots

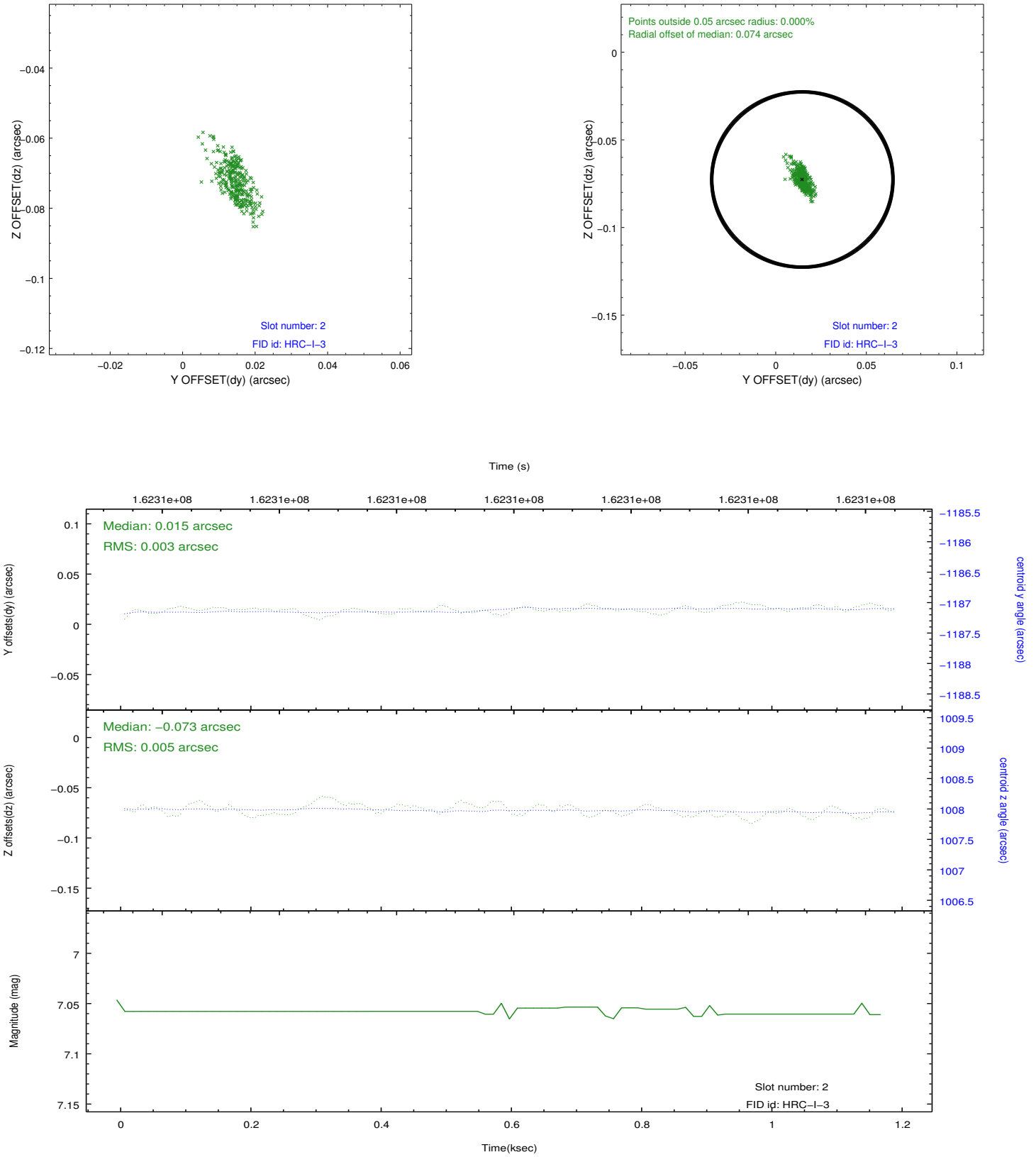
2.5.1 Slot 0



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	1.182

A.2 Comments

Window constraint met.