

Wavewin Sniffer 24
Configuration & Polling Software
(Wavewin Sniffer Operations Guide)



Operations Guide Content

IRIG-B Timing



IRIG-B Timing

***Configuring a Channel for Data Timing
“CBL-IRIG-B”***

***Connect the IRIG-B Cable to the Unmodulated
IRIG-B Port on the GPS Clock***



Device Configuration

Station: SUBSTATION

Company: COMPANY

Device: DEVICE

Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 15 : 30 : 29 . 953 (Computer)

Analog Channel Settings

Configuration

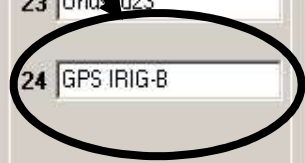
Triggering

Calibration

Data Monitor

Channel Titles	Sensor	Unit	P/S Ratio	Cal Mag/Ang	Reference Ang	RMS	Instantaneous	Magnitude	Angle
17 Unused17	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
18 Unused18	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
19 Unused19	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
20 Unused20	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
22 Unused22	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
23 Unused23	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
24 GPS IRIG-B	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				

Step 1: Enter "GPS IRIG-B" in the "Channel Titles" field.



Sampling Frequency: 3000

Start Recorder

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Save

File Properties

View Files

About

Close

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 15 : 31 : 36 . 953 (Computer)

Analog Channel Settings

Configuration | Triggering | Calibration

Channel Titles	Sensor	Unit	P/S Ratio	Cal Mag/Ang	Reference Ang	RMS	Instantaneous	Magnitude	Angle
17 Unused17	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
18 Unused18	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
19 Unused19	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
20 Unused20	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
23 Unused23	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
24 GPS IRIG-B	CBL-IRIG-B	Volts	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				

Data Monitor

Sampling Frequency: 3000 Start Recorder

Channels 1 - 8 | Channels 9 - 16 | Channels 17 - 24

Save | File Properties | View Files | About | Close

Connection: Connected Configuration: Modified Copyright Softstuf, Inc. 1992-2012

Step 2: In "Configuration" tab, select "CBL-IRIG-B".

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 15 : 33 : 57 . 953 (Computer)

Analog Channel Settings

Channel Titles	Configuration			Triggering		Calibration	Data Monitor			
	Sensor	Unit	P/S Ratio	Cal Mag/Ang	Reference Ang	RMS	Instantaneous	Magnitude	Angle	
17 Unused17	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>					
18 Unused18	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>					
19 Unused19	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>					
20 Unused20	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>					
23 Unused23	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>					
24 GPS IRIG-B	CBL-IRIG-B	Volts	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>					

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Sampling Frequency: 3000 Start Recorder

Save File Properties View Files About Close

Connection: Connected Configuration: Copyright Softstuf, Inc. 1992-2012

Step 3: Save the active configuration to disk.

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 15 : 33 : 57 . 953 (Computer)

Analog Channel Settings

Configuration		Triggering		Calibration		Data Monitor			
Channel Titles	Sensor	Unit	P/S Ratio	Cal Mag/Ang	Reference Ang	RMS	Instantaneous	Magnitude	Angle
17 Unused17	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
18 Unused18	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
19 Unused19	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
20 Unused20	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
23 Unused23	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
24 GPS IRIG-B	CBL-IRIG-B	Volts	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Sampling Frequency: 3000

Start Recorder

Save File Properties View Files About Close

Connection: Connected Configuration: Copyright Softstuf, Inc. 1992-2012

Step 4: Click "Start Recorder" to begin polling.


WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 19 : 35 : 36 . 39  (Locked)

Analog Channel Settings

Configuration		Triggering		Calibration		Data Monitor			
Channel Titles	Sensor	Unit	P/S Ratio	Cal Mag/Ang	Reference Ang	RMS	Instantaneous	Magnitude	Angle
17 Unused17	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>	0.000	0.000	0.000	125.243
18 Unused18	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>	0.000	0.000	0.000	125.243
19 Unused19	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>	0.000	0.000	0.000	125.243
24 GPS IRIG-B	CBL-IRIG-B	Volts	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>	139.166	-4.280	40.109	13.404

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Sampling Frequency: 3000 End Recorder

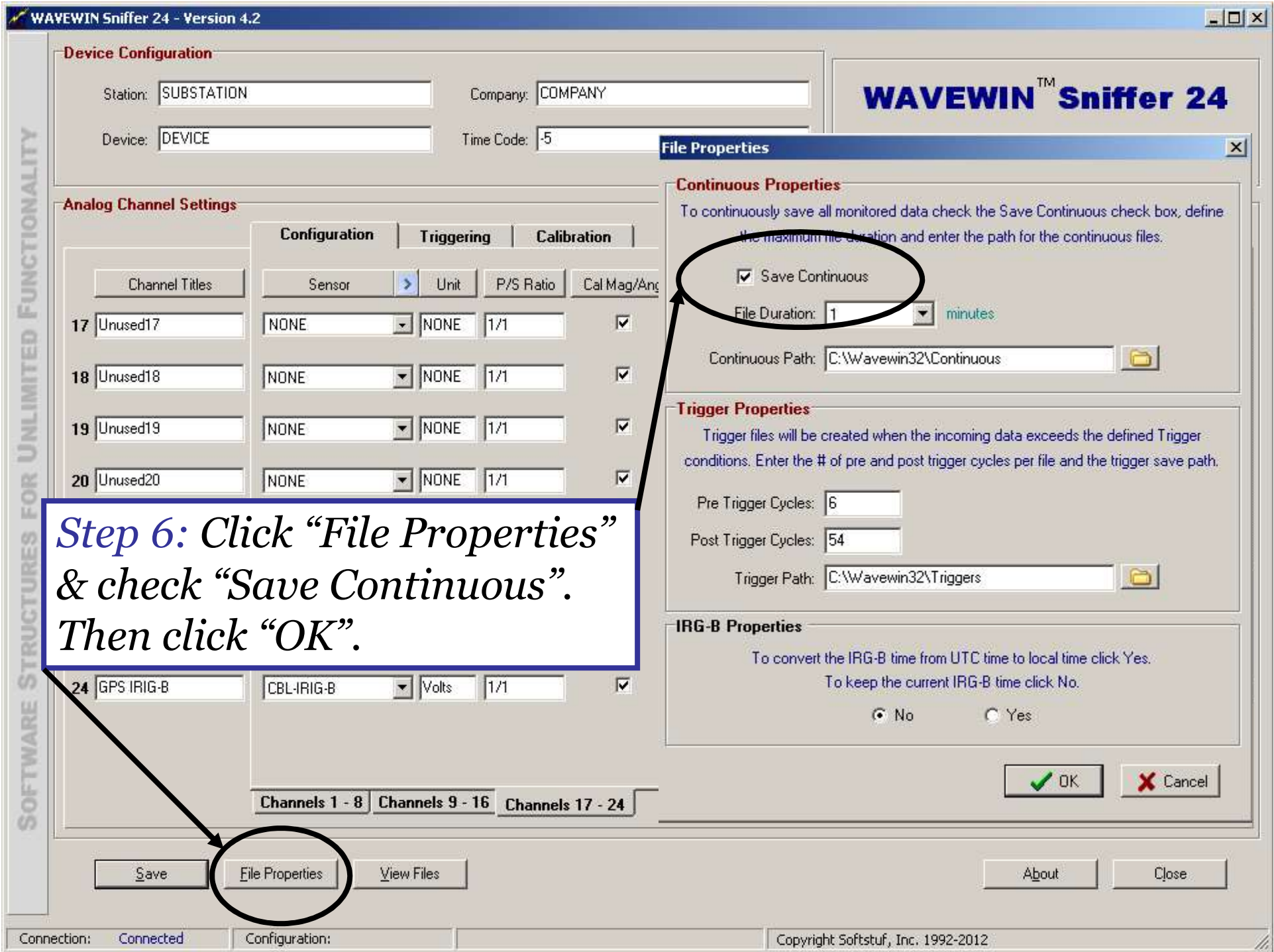
Save File Properties View Files About Close

Connection: Connected Configuration: Capture Duration: 00/00 00:00:35 Copyright Softstuf, Inc. 1992-2012

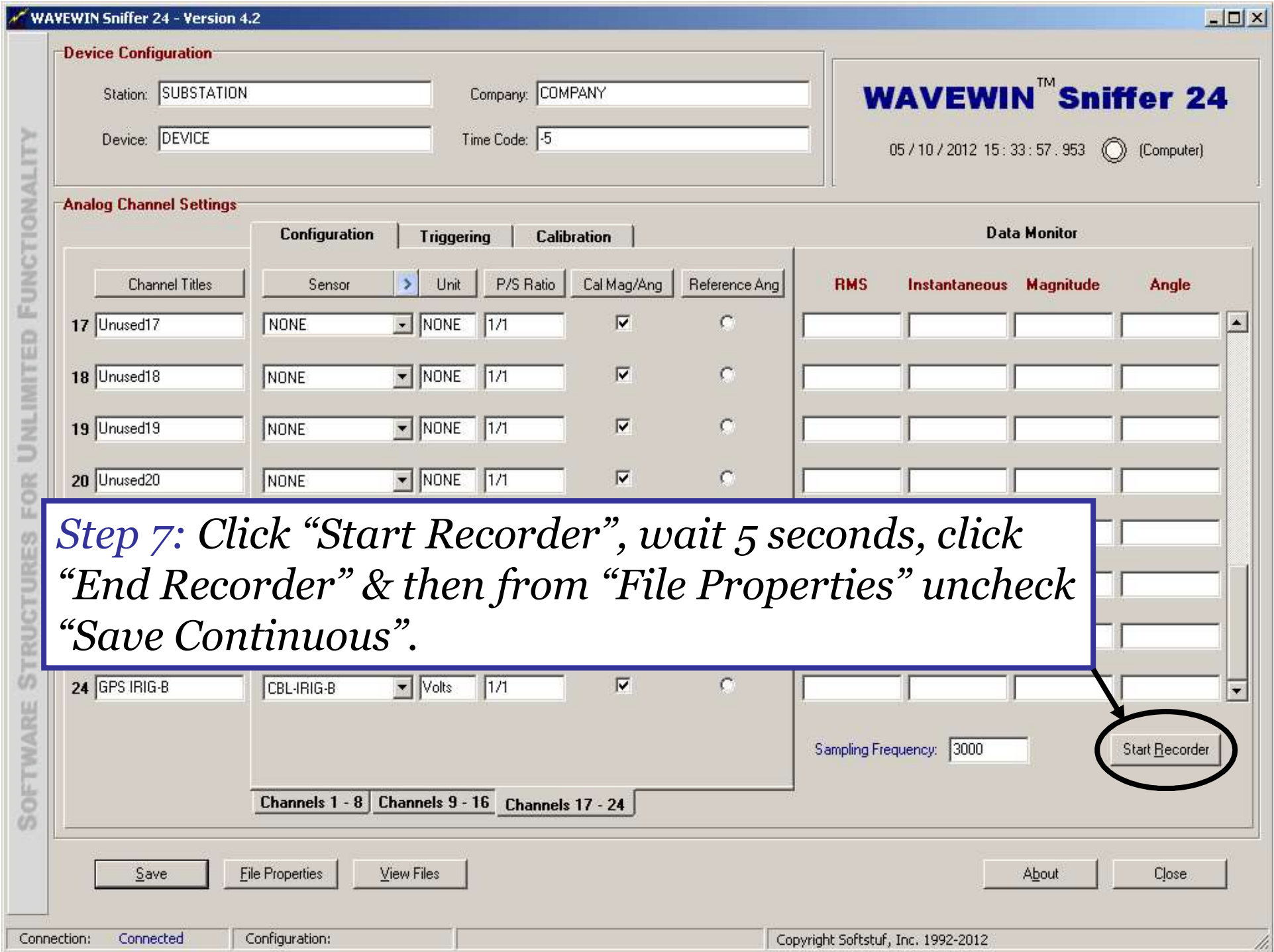
Step 5: When the “Locked” indicator turns green, the Wavewin Sniffer 24 is synchronized. If the indicator does not turn green, follow the next slides:

Customized IRIG-B Settings



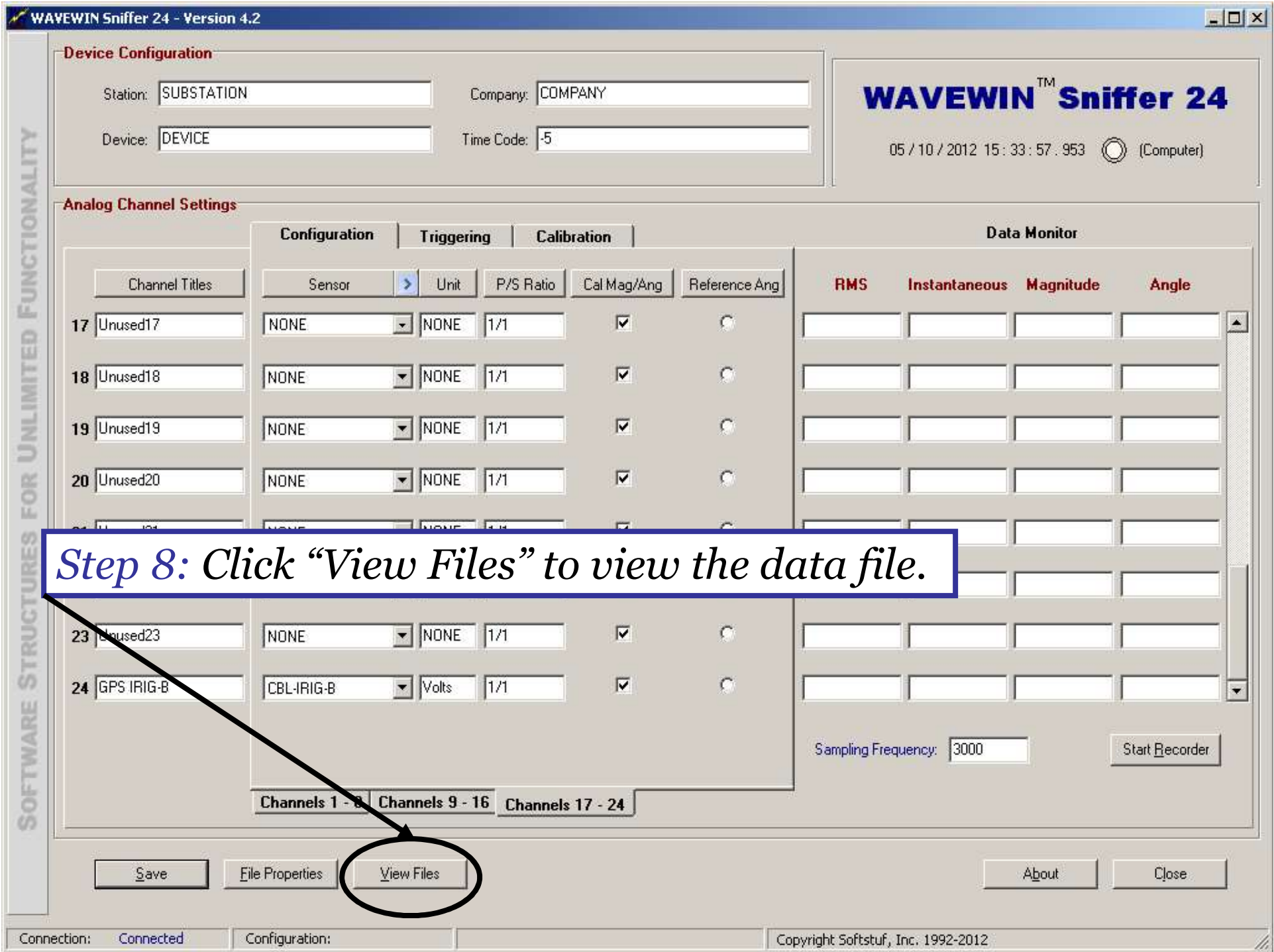


Step 6: Click "File Properties" & check "Save Continuous". Then click "OK".



Step 7: Click “Start Recorder”, wait 5 seconds, click “End Recorder” & then from “File Properties” uncheck “Save Continuous”.





Step 8: Click "View Files" to view the data file.



WAVEWIN F.L

Files Edit Sort Mark Options Drivers Query Window Help

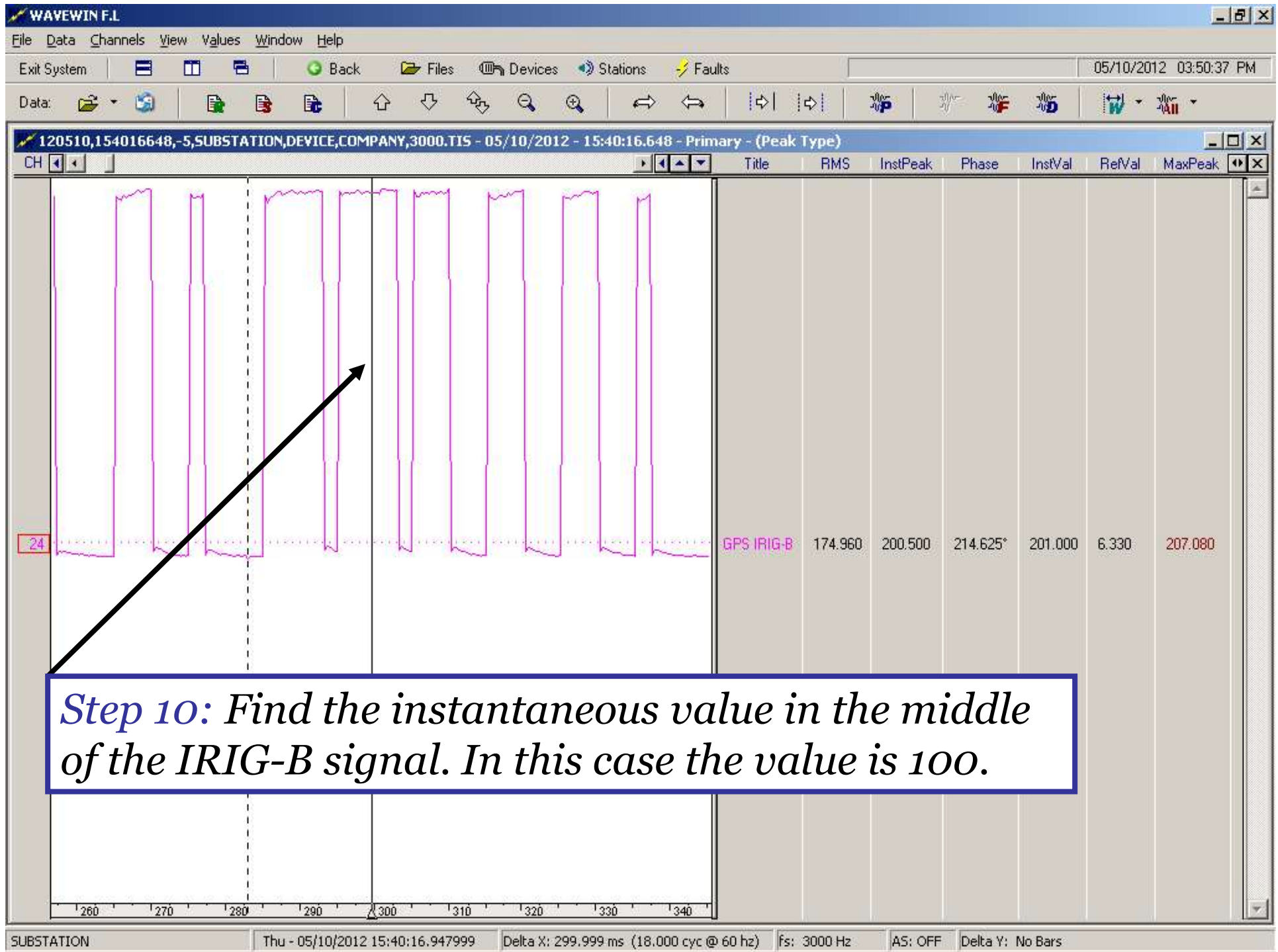
Exit System Back Files Devices Stations Faults 05/10/2012 03:42:09 PM

C:\Wavewin32\Continuous

File Name	F-Type	Size	Fault Date	Fault Time	Save Date
120510.154016648.-5.SUBSTATION.DEVICE.COMPANY.3000.TIS	TIS	4453449	05 / 10 / 2012	15 : 40 : 16 . 648	05 / 10 / 2012

Step 9: Double click on the file to view the data.

Free: 12069196 kb Size: 4349 kb TotFiles: 3 AtFile: 3 TotMarks: 0 MrkSize: 0 kb Sort Field: Save Date



Step 10: Find the instantaneous value in the middle of the IRIG-B signal. In this case the value is 100.

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY
Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24
05 / 10 / 2012 15 : 56 : 28 . 429 (Computer)

Analog Channel Settings

		Configuration		Triggering				Calibration		Data Monitor			
Channel Titles	Trig Value	Trig Type	Dur (ms)	Upper	Lower	Abs	Operator	RMS	Instantaneous	Magnitude	Angle		
17 Unused17	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>						
18 Unused18	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>						
22 Unused22	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>						
23 Unused23	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>						
24 GPS IRIG-B	100.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>						

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

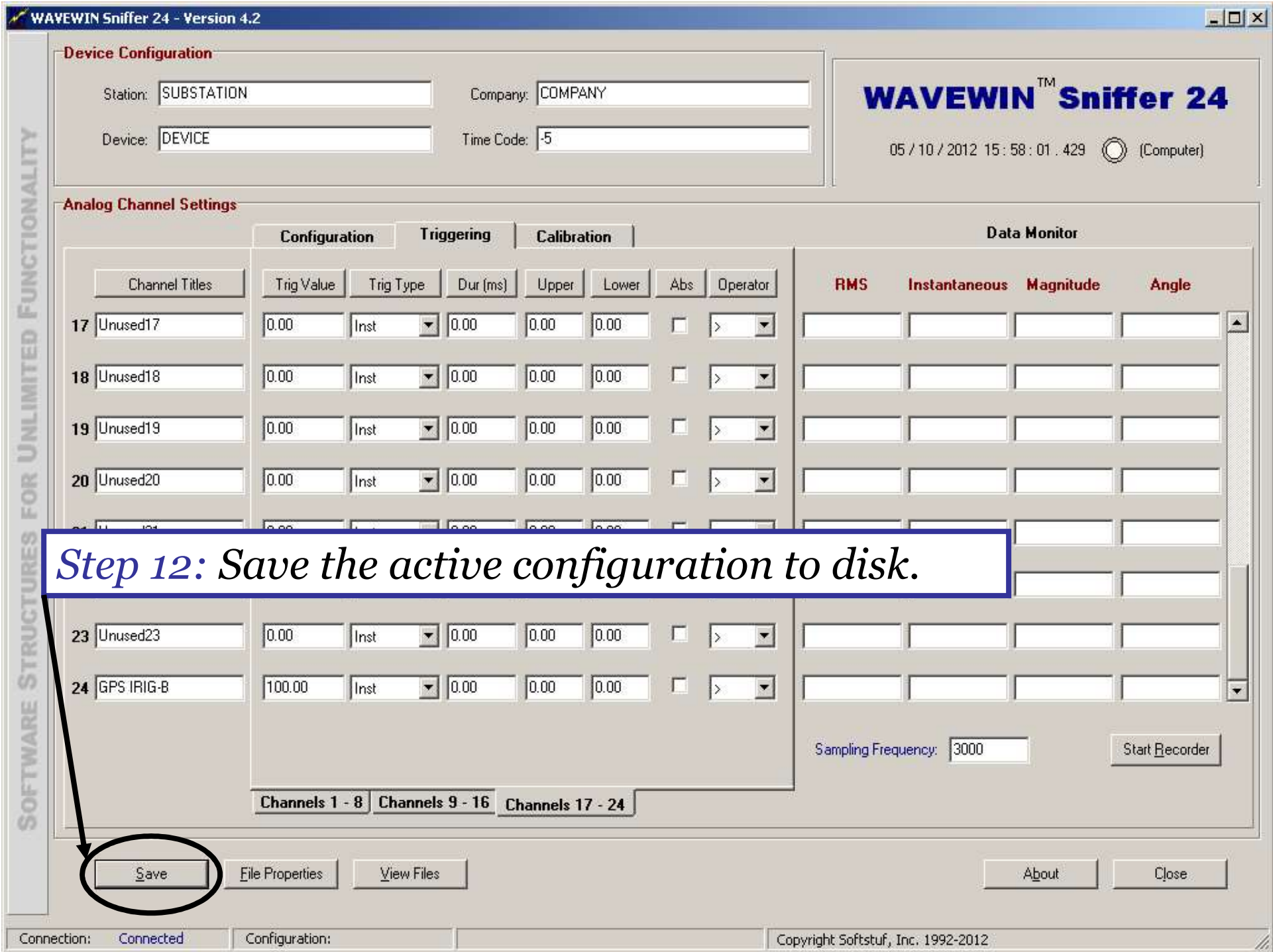
Sampling Frequency: 3000 Start Recorder

Save File Properties View Files About Close

Connection: Connected Configuration: Modified Copyright Softstuf, Inc. 1992-2012

Step 11: Enter "100" in "Trigger Value" field and make sure the "Trig Type" field is set to "Inst".





Step 12: Save the active configuration to disk.



WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY
Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24
05 / 10 / 2012 19 : 59 : 17 . 42 (Locked)

Analog Channel Settings

Configuration		Triggering			Calibration			Data Monitor			
Channel Titles	Trig Value	Trig Type	Dur (ms)	Upper	Lower	Abs	Operator	RMS	Instantaneous	Magnitude	Angle
17 Unused17	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
18 Unused18	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
19 Unused19	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
20 Unused20	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
23 Unused23	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
24 GPS IRIG-B	100.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	93.288	198.100	33.231	78.868

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Sampling Frequency: 3000 End Recorder

Save File Properties View Files About Close

Connection: Connected Configuration: Capture Duration: 00/00 00:00:08 Copyright Softstuf, Inc. 1992-2012

Step 14: Verify that the Wavewin Sniffer 24 is synchronized.

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 19 : 59 : 17 . 421 (Locked)

Analog Channel Settings

Configuration Triggering Calibration

Channel Titles	Trig Value	Trig Type	Dur (ms)	Upper	Lower	Abs	Operator	RMS	Instantaneous	Magnitude	Angle
17 Unused17	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
18 Unused18	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
19 Unused19	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
20 Unused20	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
21 Unused21	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
22 Unused22	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
23 Unused23	0.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	0.000	0.000	0.000	108.041
24 GPS IRIG-B	100.00	Inst	0.00	0.00	0.00	<input type="checkbox"/>	>	93.288	198.100	33.231	78.868

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

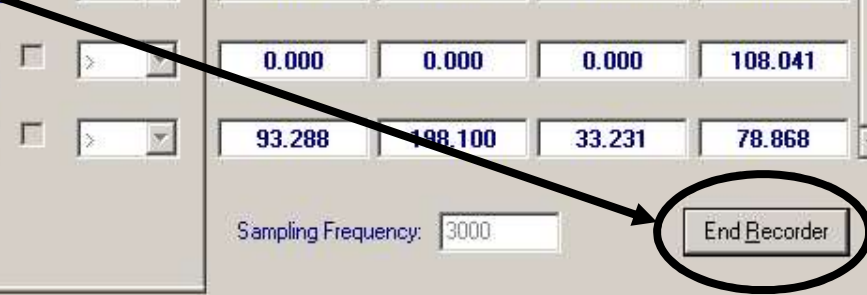
Sampling Frequency: 3000

End Recorder

Save File Properties View Files About Close

Connection: Connected Configuration: Capture Duration: 00/00 00:00:08 Copyright Softstuf, Inc. 1992-2012

Step 15: Click "End Recorder".



End of Operations Guide

