WinFrog Device Group:	**OUTPUT**
Device Name/Model:	**RTCM-104**
Device Manufacturer:	
Device Data String(s) Output to WinFrog:	Binary message
WinFrog Data String(s) Output to Device:	Binary message
WinFrog Data Item(s) and their RAW record:	DATA OUTPUT 450

DEVICE DESCRIPTION:

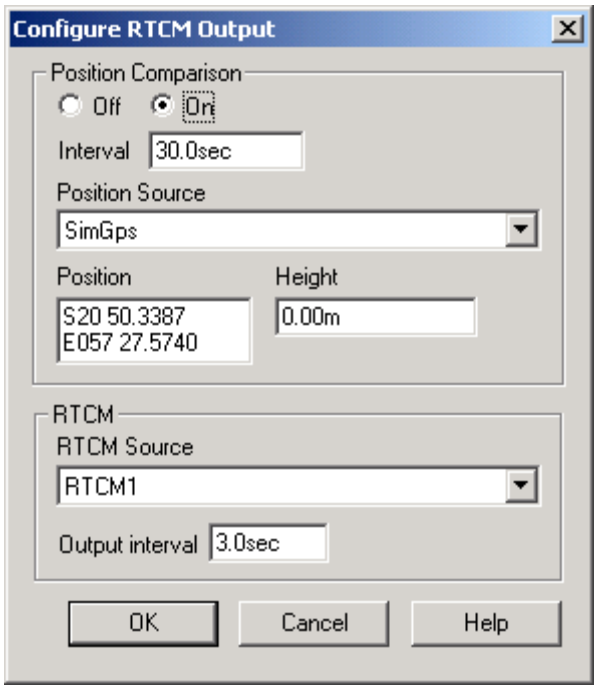
This is a driver that is designed to output RTCM data. There is no data recorded from this device. The RTCM data will be recorded to the raw files from the RTCM input device.

In addition, this device can perform a position comparison at a user-specified interval. This would allow an offshore operator to monitor the quality of the positions calculated at the reference station. See the WinFrog I/O Devices > Configure Device section for more details.

DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:
Serial
Configurable Parameters

WINFROG I/O DEVICES > CONFIGURE DEVICE:
This device must be configured at the I/O Device window level. In the I/O Devices window, click the device name to select it, then right-click and select Configure Device. The Configure RTCM Output dialog box appears, as seen below.



To output the RTCM data, select the appropriate RTCM Source from the dropdown list and enter the desired output interval.

In this dialog box you specify the positioning and RTCM sources to be used for the output from the appropriate dropdown lists. In addition, you can specify the intervals for the position comparison update, as well as for the RTCM output. If the position comparison option is to be used, you must enter the position and height of the reference station for the sake of comparison. WinFrog monitors the difference between the position entered and the calculated DGPS position and the difference is output, at the specified interval, in the Type 16 message. On the vessel, you would add the RTCM MONITOR data item (from the RTCM input device) to the vehicle in WinFrog and set the alarm threshold. If the difference encrypted in the Type 16 message exceeds the set threshold, an alarm will sound. Additionally, this difference can be plotted in a Calculations window using the Time Series display.

WINFROG VEHICLE > CONFIGURE VEHICLE DEVICES > DEVICE DATA ITEM > EDIT:

Adding the RTCM-104 device creates the DATA OUTPUT data item.

Data item: OUTPUT, RTCM-104, DATA OUTPUT

There are no edit options available for this data item.