

WinFrog Device Group:	PLOW
Device Name/Model:	GATOR
Device Manufacturer:	Perry Slingsby Systems 821 Jupiter Park Drive Jupiter, Florida U.S.A. 33458-8946 Tel: 1.561.743.7000 Fax: 1.561.743.1313 Email: pssi@us.perrymail.com
Device Data String(s) Output to WinFrog:	See Decoded Data tab
WinFrog Data String(s) Output to Device:	
WinFrog Data Item(s) and their RAW record:	PLOWDATA 490 ATTITUDE 413

DEVICE DESCRIPTION:

This device reads predefined data from the GATOR. The format of the data to be read is not configurable by the operator. Although this device uses the PLOWDATA data item it cannot be used for positioning the Plough as is the case with typical PLOWDATA data items. Another positioning source (driver) must be used to determine the plough's position.

DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:

Serial
Configurable Parameters

WINFROG I/O DEVICES > CONFIGURE DEVICE:

No configuration is required at the I/O Device window level.

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

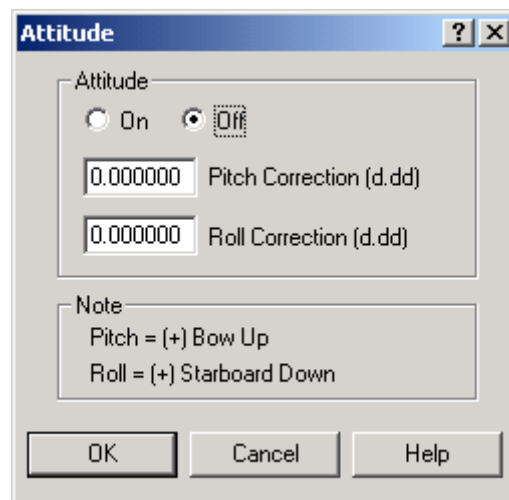
Adding the GATOR device creates two data items: PLOWDATA and ATTITUDE.

Data item: ROV , GATOR, PLOWDATA

There are no Edit or configuration options available for this data item. However this data item must be attached to a vehicle (typically the plough) in WinFrog in order to record the relevant data.

Data item: ROV , GATOR, ATTITUDE

Highlight this data item and click the Edit button to open the Attitude window as seen below.



Attitude

By default, the sensor mode is off, meaning that data from the Attitude device will not be used in the vehicle's calculations. Select 'On' to turn the sensor on and begin using the inclination corrections in the position output.

Correction values can also be added in this section of the dialog. The correction values (entered in units of degrees-decimal degrees) are added to the raw pitch and roll values received from the Attitude device before the data is applied to the vehicle's calculations.

Ensure that entered values adhere to the sign convention used by WinFrog. You can verify that the corrections are entered properly by viewing the pitch and roll values in the I/O Device window and the Vehicle Text window.