Windsond onboard logging

The Windsond support for onboard logging is new and not very convenient yet.

The logging control shows up as a new tab in the sonde window, for sondes equipped with logging.

Controlling logging

The status of logging has to be updated manually, by pressing the "get status" button in the log tab:

Get status

The behavior of logging is controlled by the "autolog" command:

autolog=0	Logging has to be controlled manually
autolog=1	Logging starts when sonde is started
autolog=2	Logging starts when GPS fix is acquired

The command "gpslog" controls how often GPS data is logged, as this is the type of data that consumes the majority of the memory. "gpslog=0" disables GPS logging. "gpslog=1" logs every GPS message. "gpslog=2" logs every second GPS message, etc.

These buttons control the logging:

Logging: Start logging   Pause logging   Clear log

If the log status is not updated when pressing these buttons, press the button again. "Get status" can also be used to check if the command took effect.

How to extract the log

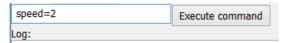Only extract the log after the sonde has landed and is recovered.

Before starting downloading the log, set the filename where to write the log file.

To speed up downloading the log, temporarily increase the radio link speed. In the sonde command field, write "speed=2" and press enter:

The receiver should now lose contact with the sonde.

In the receiver command, write "speed=2" and press enter:

The receiver should now resume contact with the sonde.

In the sonde log tab, press the "Start download" button. The ground station will now send commands to retrieve each log entry. This might take a long time.

When downloading is done, type "speed=1" in sonde, then "speed=1" in receiver. This lowers the radio transmission speed again, which increases the transmission range for soundings.