

FAQ GeoDAS Messenger SMS Setup Modem

1. Introduction

- This procedure describes how to setup GeoDAS to send SMS notifications through a serial modem
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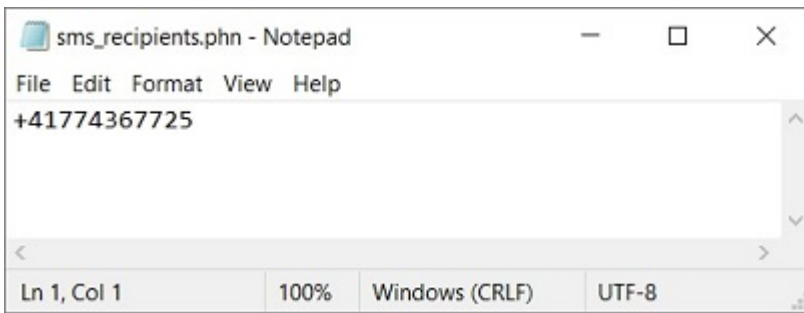
2. Required Tools

- GeoDAS (V2.40 or newer) installed on Windows Computer
- Serial modem with SIM card, accessible on Windows COM port
Use of SIMCom SIM5216 or SIM7600 is recommended, but other modems may work as well.

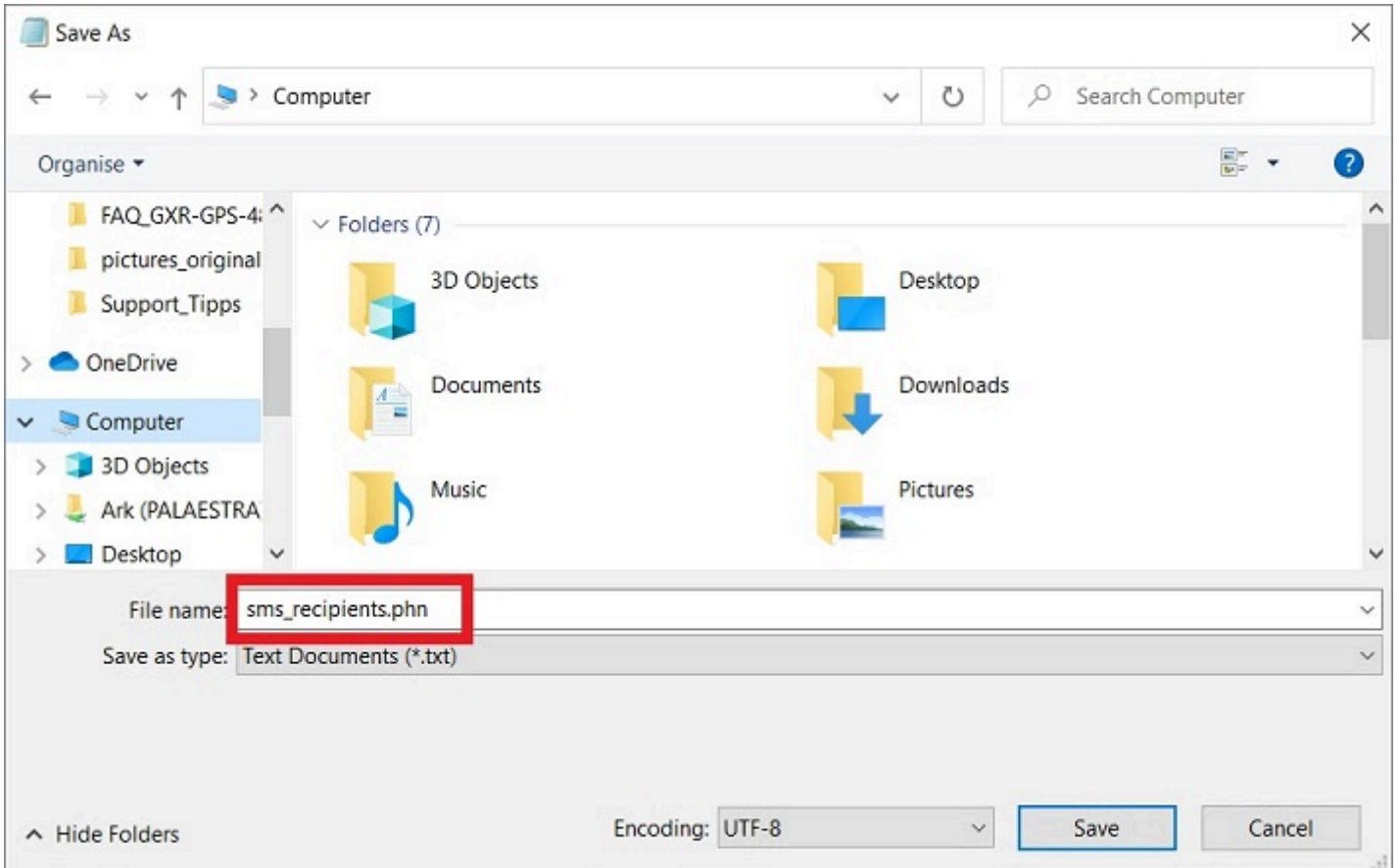


3. Create List of SMS Recipients

- The list of recipients is a text file with phone numbers of SMS recipients.
- Open a text editor such as Windows Notepad.
- Enter the SMS recipients, one line per recipient with the country code and phone number
The sample below represents a Swiss phone number (country code +41):

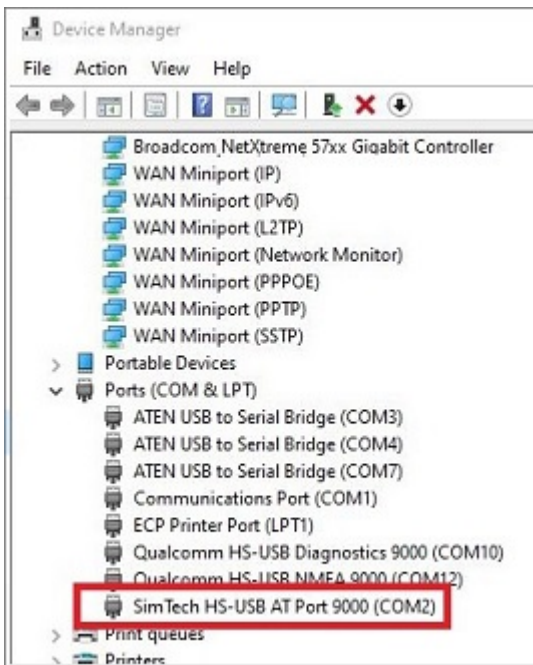


- Save the file with extension **.phn** (not .txt!)



4. Find COM port of modem in Windows

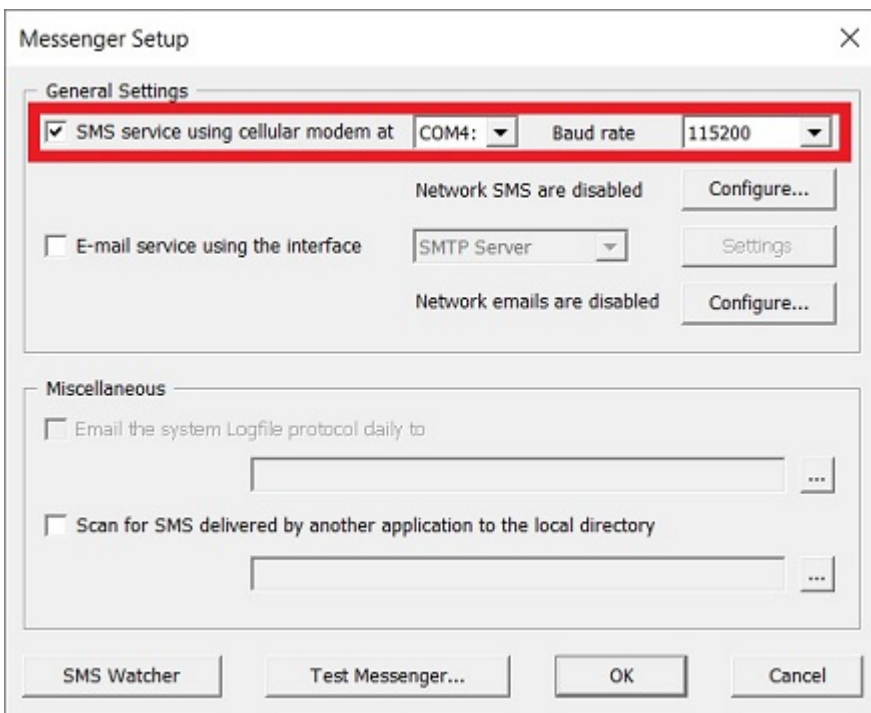
- In Windows under **Device Manager-> Ports (COM & LPT)**, a SIMCOM modem will appear as **SimTech**
- If the device doesn't show or shows as **UNKNOWN** or appears under "Other Devices" with yellow exclamation mark, the correct driver may need to be installed.
Driver vor SIMcom SIM7600:
https://www.dropbox.com/scl/fi/ctp15mccks1cypnoiy88s/Windows10_Driver.zip?rlkey=d3iaa4vo7pjnkm9yji1aejngh&dl=0



- Remember the COM port

5. Configure the modem in GeoDAS

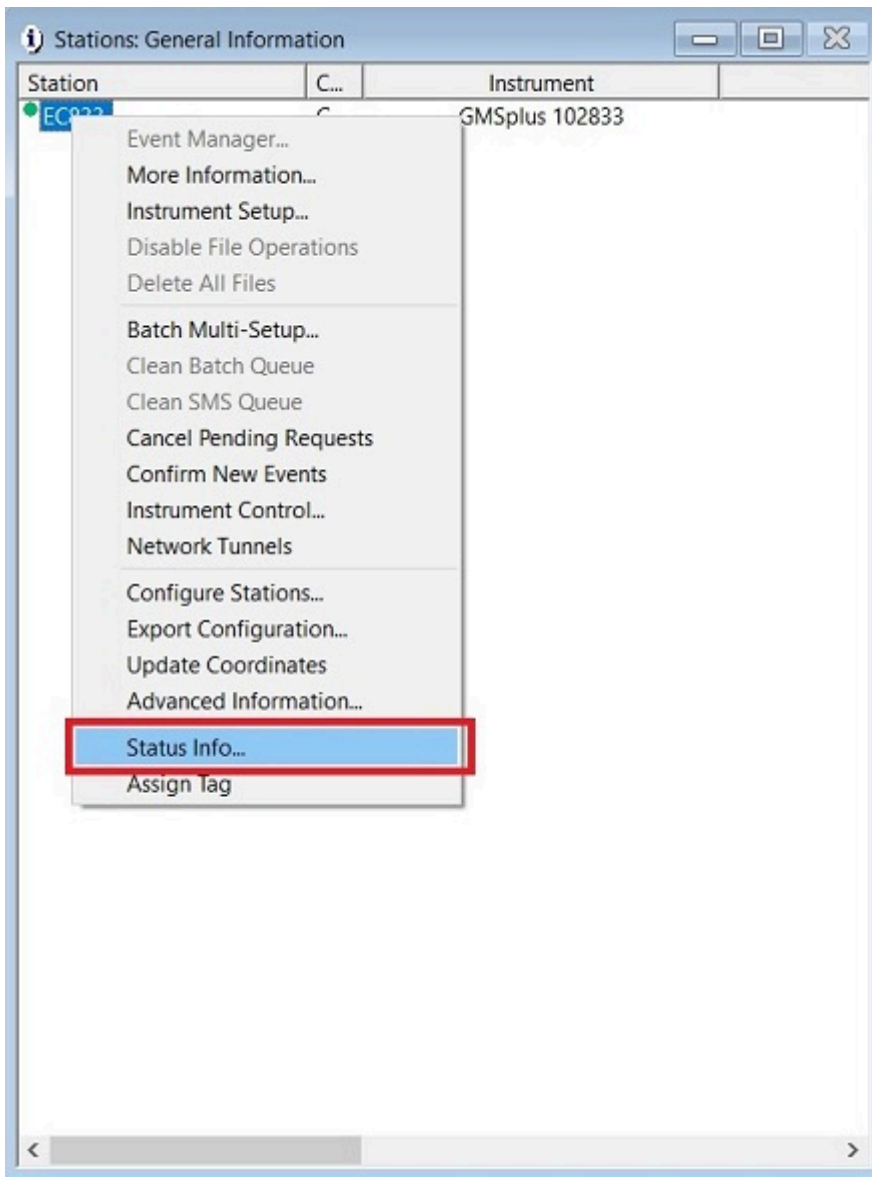
- In GeoDAS under **Settings-> Messenger**, tick the box **SMS service using cellular modem at** and choose the COM port of the modem and its baud rate from the dropdown.



- Close the window with **[OK]** and restart GeoDAS.

6. Setup Notifications and Messages in GeoDAS

- In GeoDAS window **Stations: General Information**, right-click on a station and choose **Status Info...**



- Tick the boxes of the corresponding notification types you want to receive SMS for.

Station Information Setup

System Status

Generate a report containing the current status of stations every day(s) at

Generate status of datastreams, if any Generate status of communication channels

Messages and Notifications

Notification type	SMS	Pop-up	Signal	E-mail	Attachment	Message prefix (optional)
Periodical status report	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/> List of errors	<input type="text"/>
Instrument errors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="text"/>
Instrument warnings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="text"/>
Triggered events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="text"/>
New event files	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> List of events	<input type="text"/>

Errors, warnings and triggers are reported by GMS and newer instruments through state of health (SOH) files or network messages. Please ensure that the related functionality is enabled and configured correctly.

List of SMS recipients

List of e-mail recipients

Miscellaneous

Maintain extended station information in the directory

Messenger Setup... Signals... OK Cancel

- Click the button [...] to browse to the .phn file with the SMS recipients.

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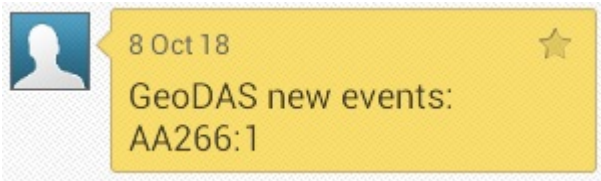
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Messenger Setup... Signals... OK Cancel

- Close the window with **[OK]** and restart GeoDAS.

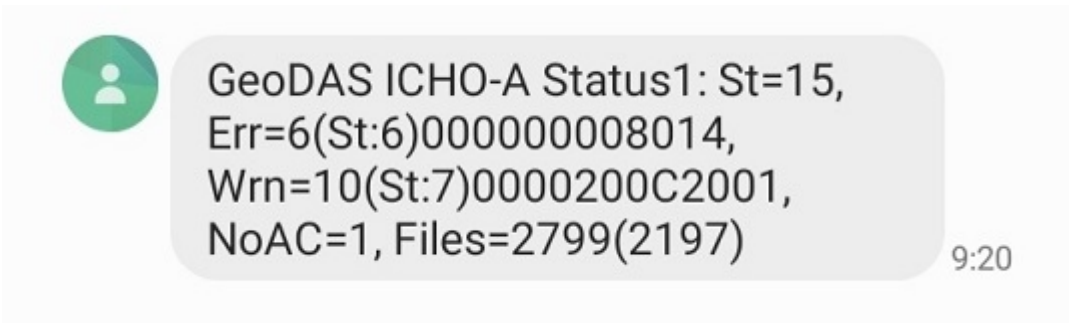
7. Test

- Create an event on an instrument and check if the SMS is sent to the recipients in the list.
- The process is also logged in GeoDAS Logfile

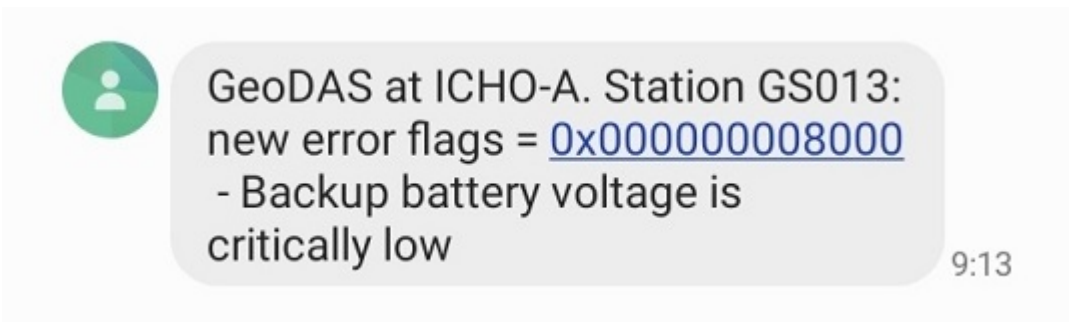


8. Examples of Notification Types

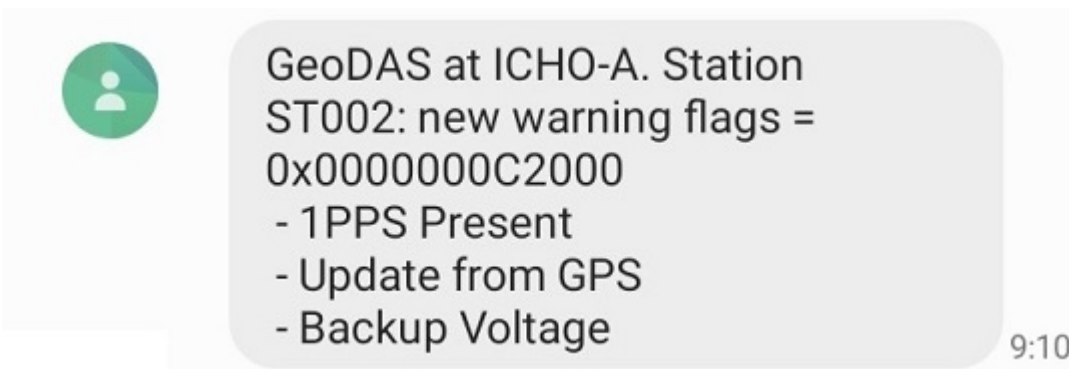
- Periodical status report



- Instrument errors



- Instrument warnings



- Triggered events



New trigger at GS013.
Name: Trigger1, Type: Local,
Date: [2022.04.08](#), Time:
[07:06:15.105](#), Status: 00008001
00000000000000000000000000000000
00000000000000000000000000000000

9:06

- New event files



GeoDAS new events: [GS013:1](#)
[ST001:368](#) [ST002:279](#)
([STA01§20220308§173843](#))

9:03