



NMEA Data Display Program

Version - 1.00

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This free diagnostics software is ideal for any dealer or technically capable end user that needs to read or log NMEA0183 data. Developed by Digital Yacht as an alternative to Microsoft's general purpose HyperTerminal Program (supplied free with Windows 95, 98 and XP), it has been designed specifically for NMEA0183 and as such, is much simpler to use and will run on Windows Vista and Windows 7.

On running the program, it will take a second or so to detect what COM ports are available. Then simply select the relevant port, select Normal NMEA data (4800 baud rate) or High Speed NMEA for AIS (38,400 baud) and the program will start to display all of the raw NMEA0183 sentences that it receives on the selected COM port. It can also record and save this data to a text file.

Record Icon
Click this to start logging the NMEA data to a text file

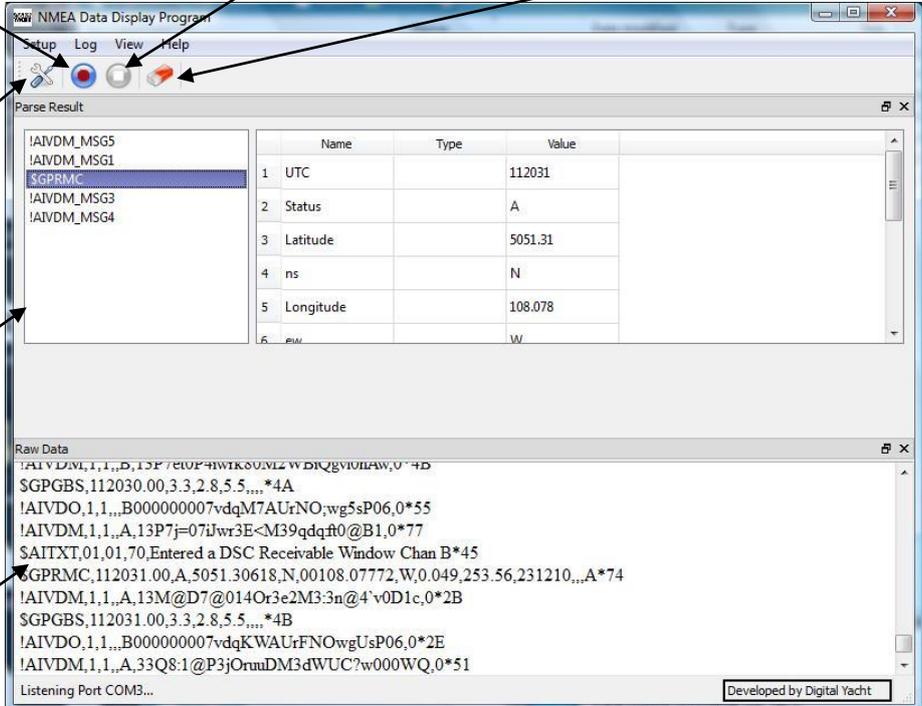
Stop + Save Icon
Click this to stop logging the NMEA data and save the text file

Clear Screen Icon
Click this to clear the current screen of NMEA data

Setup Icon
Click this to select another COM port or change baud rate

NMEA Sentence List
A list is maintained of all the sentences received, selecting one displays the data fields of that sentence on the right hand pane (in real time)

Raw NMEA Data
As NMEA data is received the sentences will scroll down the screen



The screenshot shows the NMEA Data Display Program window. The menu bar includes Setup, Log, View, and Help. The toolbar contains icons for Setup, Record, Stop + Save, and Clear Screen. The main window is divided into three panes: a list of received NMEA sentences on the left, a 'Parse Result' table on the right, and a 'Raw Data' scrollable area at the bottom. The 'Parse Result' table shows fields for UTC, Status, Latitude, and Longitude.

| Name | Type | Value |
|------|-----------|---------|
| 1 | UTC | 112031 |
| 2 | Status | A |
| 3 | Latitude | 5051.31 |
| 4 | ns | N |
| 5 | Longitude | 108.078 |
| 6 | ew | W |

Raw Data:

```

!AIVDM,1,1,,D,13P7e0P4HWK8UJLZ W DQgVUHLAW,U*4D
$GPGBS,112030.00,3.3,2.8,5.5,...*4A
!AIVDO,1,1,,B000000007vdqM7AUrNO;wg5sP06,0*55
!AIVDM,1,1,,A,13P7j=07iJwr3E<M39qdqft0@B1,0*77
$AITXT,01,01,70,Entered a DSC Receivable Window Chan B*45
!GPRMC,112031.00,A,5051.30618,N,00108.07772,W,0.049,253.56,231210,,A*74
!AIVDM,1,1,,A,13M@D7@014Or3e2M3:3n@4'v0D1c,0*2B
$GPGBS,112031.00,3.3,2.8,5.5,...*4B
!AIVDO,1,1,,B000000007vdqKWAUrFNOwgUsP06,0*2E
!AIVDM,1,1,,A,33Q8:1@P3jOrunDM3dWUC?w000WQ,0*51
Listening Port COM3...
    
```

Developed by Digital Yacht

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