

Magnetic Variation Calculation – new 5-year data model

Magnetic Variation is calculated from a model that must be updated every five years. The previous magnetic variation data in Navmaster expired 31st December 2024. Until the new data is installed, Navmaster will be unable to calculate magnetic variation and will display a message "Magnetic variation data unavailable".

A new file, **IGRF2025.dat**, is available for the period from 1st Jan 2025 to 31st December 2030. To download the file:

1. Click this link - www.pcmaritime.com/downloads - or type the address in your browser.
2. Click on **IGRF2025.dat** – the file will be saved to your download folder.
3. If Navmaster is on the computer you have used to connect to the internet, move the file to the folder where Navmaster is installed – normally "C:\Program Files (x86)\Navmaster\".
4. Otherwise copy to the computer used to run Navmaster.
5. Re-start Navmaster and the data will be available.

If we email you the file, proceed to Step 3 above.

Magnetic anomalies are often reported for specific regions of the world and these are usually printed on charts. This model cannot consider the possibility or presence of magnetic anomalies.

For information on the limitations of this model please refer to <http://www.ngdc.noaa.gov/AGA/vmod/igrfhw.html>

Another update, which will be valid for a further five years, will be required for calculations beyond the end of 2030.

If you need further assistance, please contact PC Maritime:
support@pcmaritime.com