



PhilDec Calculator

USER'S MANUAL

Geomagnetic Survey Section

USER'S MANUAL

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1.0 GENERAL INFORMATION

1.1 System Overview

The PhilDec Calculator is an application that calculates Magnetic Declination in the Philippines. Magnetic Declination is the angle on the horizontal plane between the magnetic north and the true north. Magnetic declination varies with time and location. The PhilDec Calculator calculates the magnetic declination and annual change for a specific coordinate and a set year. It is based on Philippine Magnetic Model Epoch 2015 (2015 to 2020) and Philippine Magnetic Model Epoch 2020 (2021-2025).

1.2 System Requirements

Minimum hardware requirements:

Operating System: Windows 7/ Windows 8/ Windows 10/ Windows 11

Processor: Intel Core i3

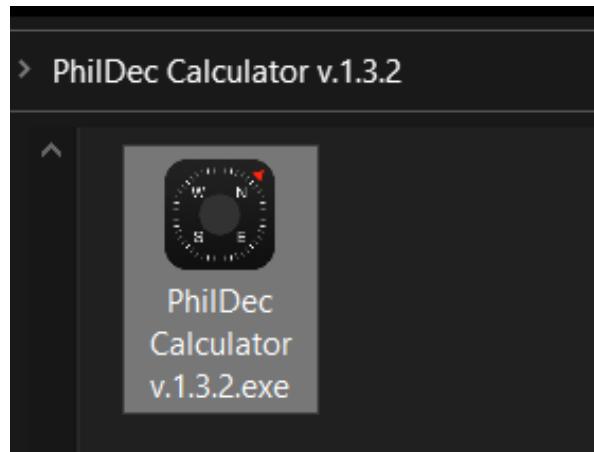
Memory: 2 GB RAM

Storage: 1 GB

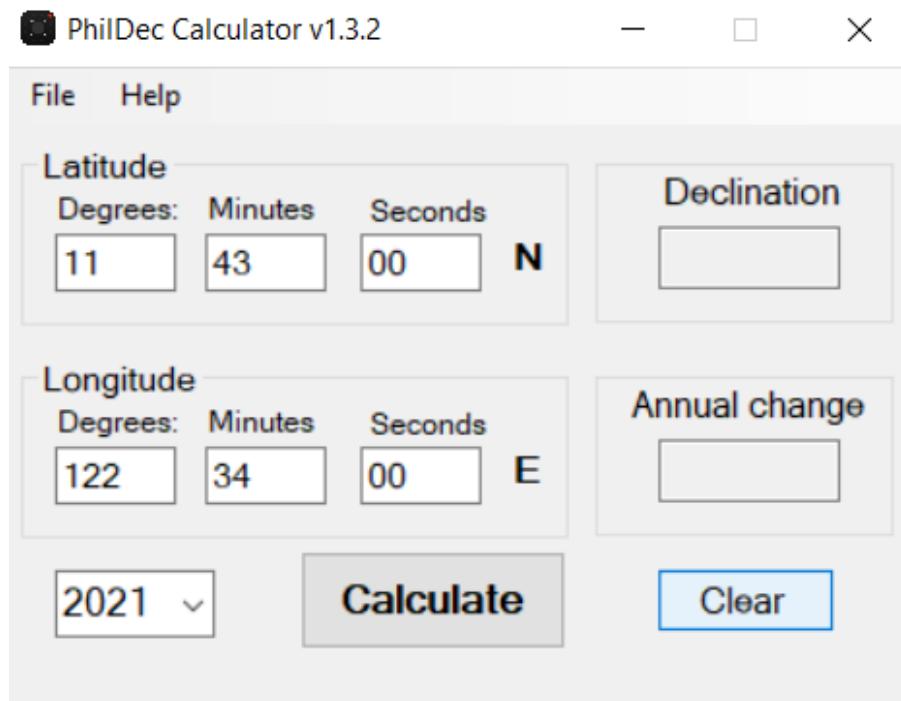
2.0 GETTING STARTED

2.1 Running the program

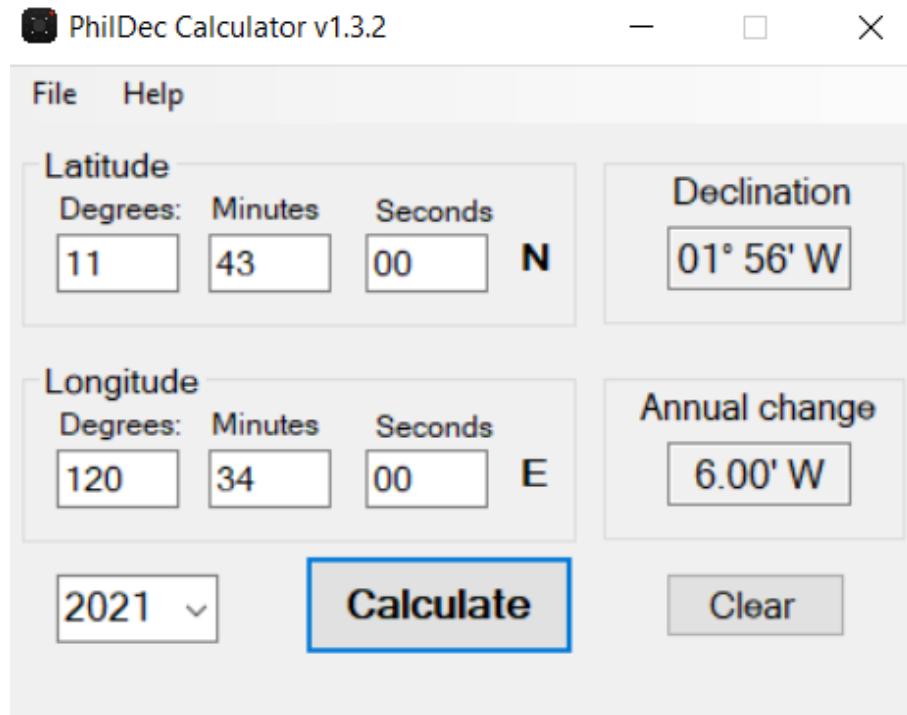
Extracts the files from the downloaded “**PhilDec Calculator v.1.3.2.rar**”. Locate and open the folder where it was extracted and run the executable file “**PhilDec Calculator v.1.3.2.exe**”.



The program will open and display the following:



Fill up the coordinates of your target location with their corresponding Latitude and Longitude in Degrees, Minutes and Seconds Format. Set the specific year that you want to get data for (2015-2025).



Press Calculate, and the values of the corresponding Declination (in degrees and minutes) and Annual change (in minutes) will be displayed. Press clear to reset values.

3.0 FEEDBACK

For comments and suggestions please contact us at kcferrer@namria.gov.ph or magneticobservatory@namria.gov.ph.