**GPC 522 Magnetic Methods Practical**

**Assignment 4**

**Date: 5th Feb, 2024**

**Magnetic data processing-1**

The magnetometer readings in the below tables are from a detailed survey conducted over the old sulfide mineralization zone on 2nd February 2019. The base magnetometer was programmed to collect data every 5 min.





a) Process the raw data by applying necessary corrections.

b) Plot the Diurnal curve for the entire period of the survey.

c) Plot the raw magnetic data and processed magnetic data.

Discuss the likely geologic sources of the fluctuations in the total field magnetic anomaly.