```
# -- coding: utf-8 --
""
Created on Fri Jun 20 12:52:03 2025

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""

import pandas as pd
import matplotlib.pyplot as plt

# Load the Excel file
file_path = r'C:/Users/ugims/inegi.up.pt/Teses & Est gios - Teses_Est gios - Miguel Ant nio Costa - Teses_Est gios - Miguel Ant nio Costa/3. Reposit rio do Miguel sheet_name = 'Sheet!"

# Skip metadats rows and read actual dats
df = pd.read_excel(file_path, sheet_name=sheet_name, skiprows=27)

# Convert relevant columns to numeric (handle non-numeric data gracefully)
channels = ['Chi', 'Chi', 'Ch
```