

# HW3

promp

用obspy在IRIS FDSN上面抓取一個地震波, starttime: 2025/10/07 23:52:12,

duration: 120 s, 畫圖並存檔

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https://ds.iris.edu/bud_stuff/dmc/bud_monitor.ALL.html -----
----- from obspy import UTCDateTime, read_inventory from
obspy.clients.fdsn import Client import matplotlib.pyplot as plt # 參數設定
client = Client("IRIS") starttime = UTCDateTime("2025-10-07T23:52:12")
duration = 120 # 秒 endtime = starttime + duration # 選擇一個常見的台站 (可
根據需求更改) network = "TW" station = "NACB" location = "" channel = "BHZ"
# 下載地震波資料 st = client.get_waveforms(network, station, location,
channel, starttime, endtime) # 下載台站資訊 (用於繪圖) inv =
client.get_stations(network=network, station=station, location=location,
channel=channel, level="response") # 畫圖 fig = plt.figure(figsize=(10, 4))
st.plot(outfile="waveform.png", fig=fig,
title=f"{network}.{station}.{location}.{channel} {starttime} ~ {endtime}") print("地
震波圖已儲存為 waveform.png")
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