Readme

This dataset displays original oblique ionogram data from two oblique ionosonde receivers at Kwasan observatory (34.993276,135.793115) and Shionomisaki Wind Effect laboratory (33.446961,135.756536) of Kyoto University which received radar signals from one of the Wakkanai oblique ionosonde transmitter and Kokubunji ionosonde transmitter of National Institute of Information and Communications Technology (NICT) during 18:00, December 31, 2023(UTC) and 09:15, January 1,2024.

Koblique-[Transmitting Station][Year][Month][Day][UTC].png represents an oblique ionogram data received at Kwasan observatory and Soblique-[Transmitting Station][Year][Month][Day][UTC].png represents an oblique ionogram data at Shionomisaki Wind Effect laboratory of Kyoto University, respectively.

For example, Soblique-Wakkanai20240101051500.png represents the oblique ionogram receiver at Shionomisaki Wind Effect laboratory of Kyoto University, which received the ionosonde radar signal from Wakkanai station of NICT at 05:15 (UTC) on January 1, 2024.

05:15 (UTC) is equal to 14:15 (JST) which is just one hour and fifty five minutes before the 2024 Noto Peninsula earthquake.
Horizontal axis of each oblique ionogram data represents　frequency of transmitting oblique ionosonde radar signal, which covers 1 MHz to 30 MHz.
Vertical axis of each oblique ionogram data represents virtual hight [km], which covers 0 km to 1500 km.