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Air Force Technical Application Center Efforts to Collect, Preserve and Integrate Historic Geophysical Data

Wednesday, 21 June 2023 10:08 (1 minute)

During the past decades, Air Force Technical Application Center geophysicists, recognizing the importance of preserving analog historic data, have led various internal efforts to rescue and preserve legacy geophysical records. We will discuss the efforts and approaches we use to collect and integrate historical nuclear explosion data into our systems and to leverage its use to support our operational and research needs. The development and use of uniform and systematic quality control measures and metadata standards is an integral part of our prioritization processes for inclusion of event data into a curated reference database. We also developed procedures to identify 'continuous stations' (stations that recorded historic events and continue to operate in the present) that may provide long term empirical data. In addition, we will share some of the challenges and lessons learned in our race against time to preserve and maximize the use of this unique, invaluable and irreplaceable resource while facilitating the transfer of technical and scientific knowledge from older to younger generations.

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Promotional text

AFTAC will discuss its decades-long efforts to collect, preserve and integrate historic geophysical data from nuclear explosions. We will share some of the approaches used, challenges faced, and lessons learned.

Oral preference format

pre-recorded video

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