



# Infrasound Technology Workshop 2024 (ITW2024)

## Thursday, 7 November 2024

### Sources and Scientific Applications - M2 (11:15 - 12:05)

| time  | [id] title   | presenter |
|-------|--|-----------|
| 11:15 | [141] Characterization of an algerian fireball using local infrasound and seismic signals  |           |
| 11:40 | [157] Characterization of the 2022 South Atlantic fireball using IMS infrasound recordings |           |

### Sources and Scientific Applications - M2 (13:30 - 14:50)

| time  | [id] title   | presenter |
|-------|--|-----------|
| 13:30 | [112] Quantifying bolide energy through infrasound analysis: A case study of the 2023 Australian event |           |
| 13:55 | [158] Can we use infrasound data from bolides to constrain global celerity models?                     |           |
| 14:20 | [118] Leveraging multi-station infrasound detections for characterization of high-altitude fireballs   |           |

### Sources and Scientific Applications - M2 (15:25 - 16:40)

| time  | [id] title   | presenter |
|-------|--|-----------|
| 15:25 | [130] Infrasound signatures from powerful rocket launches for space missions |           |
| 15:50 | [123] Infrasound detections of the OSIRIS-REx Sample Return Capsule re-entry |           |
| 16:15 | [150] Regional infrasound detections of the Osiris Rex capsule re-entry      |           |

# Friday, 8 November 2024

## **Sources and Scientific Applications - M2 (09:30 - 10:20)**

| time  | [id] title   | presenter |
|-------|--|-----------|
| 09:30 | [121] Infrasound signals likely to be excited by submarine volcanic activity around Tori-shima in the Izu-Bonin islands arc on 8th October 2023. |           |
| 09:55 | [178] IMS-based probing of the polar cap stratosphere: regime identification, altitude sensitivities, and contributions from different stations  |           |

## **Sources and Scientific Applications - M2 (10:50 - 11:40)**

| time  | [id] title   | presenter |
|-------|--|-----------|
| 10:50 | [179] Investigating the subsurface using earthquake-generated infrasound   |           |
| 11:15 | [169] Estimating Crustal Velocity Structure in Alaska from Acoustic-to- Seismic Coupling from the 2022 Hunga, Tonga Eruption |           |