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## Objectives

### 1) Hunga Tonga-Hunga Ha'apai eruption:

Long range infrasound modelling vs Strateole-2 balloons & IMS data

### 2) Investigate waveguides for Venus volcano infrasound to balloons

## Findings

- Taking HTHH plume height into account  $\Rightarrow$  Predict amplitudes
- Ray-tracing  $\Rightarrow$  Global infrasound waveguides on Venus at balloon altitudes
- Full wave modelling  $\Rightarrow$  Indicate ducting to the ground

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