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P5.1-137

- Our poster shows climate variability from deep ocean hydro-acoustic measurements
- In-situ observations in the deep ocean, upper atmosphere and solid earth are rare
- Seismo-acoustic measurements provide means to (passively) probe these geophysical media
- We show that variations in acoustic travel times are indicative for temperature changes
- We found a long-term trend of decreasing travel times of -0.002 seconds per year
- Compared to models this trend corresponds to an increase in temperature of 0.007 °C/yr
- These results were obtained from 20 years of hydro-acoustic data at IMS station H10 near Ascension Island at 900 meters water depth

