



DEEP-SEA RESEARCH

Editors-in-Chief:

Igor Belkin

Narragansett, USA

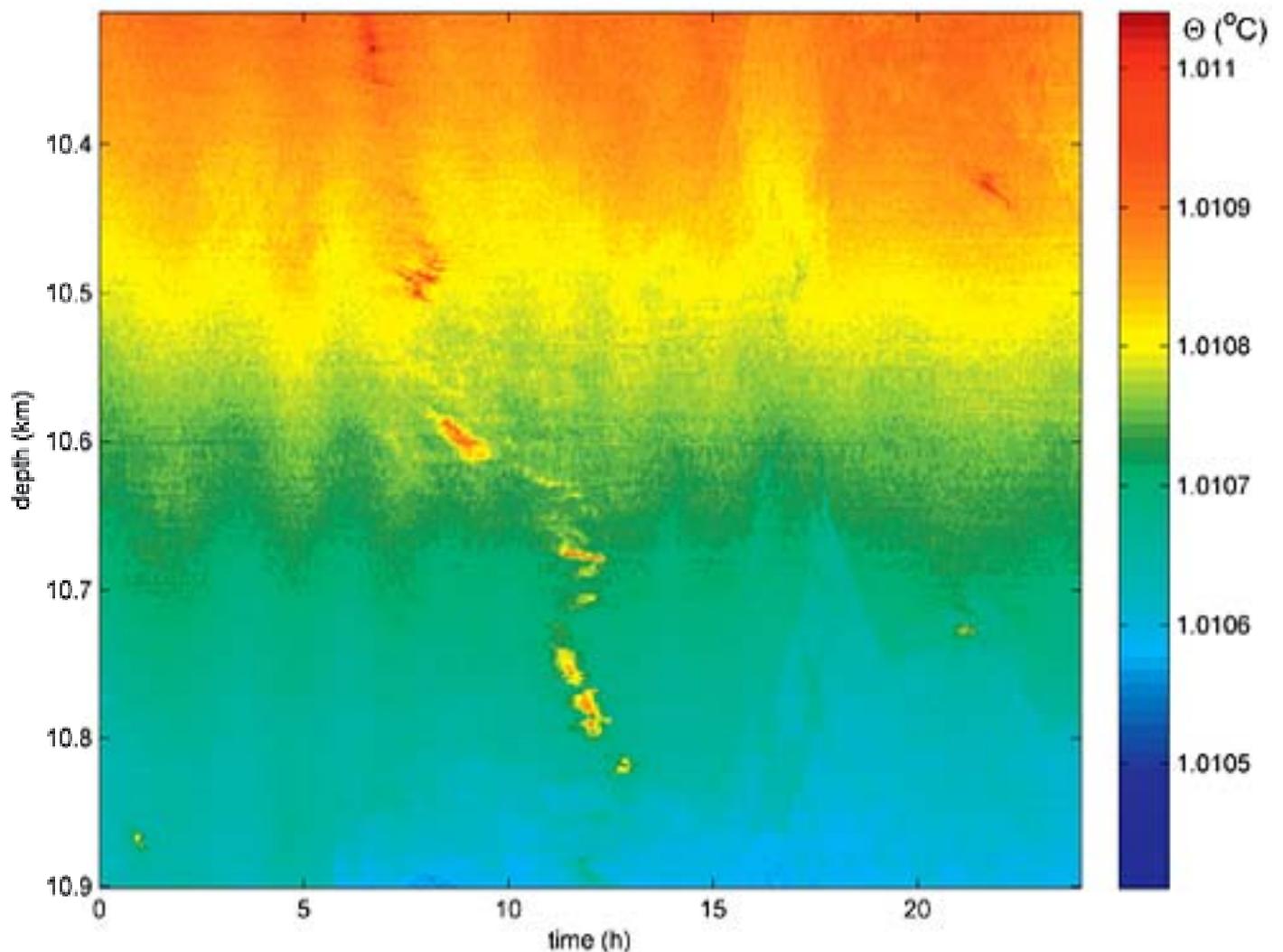
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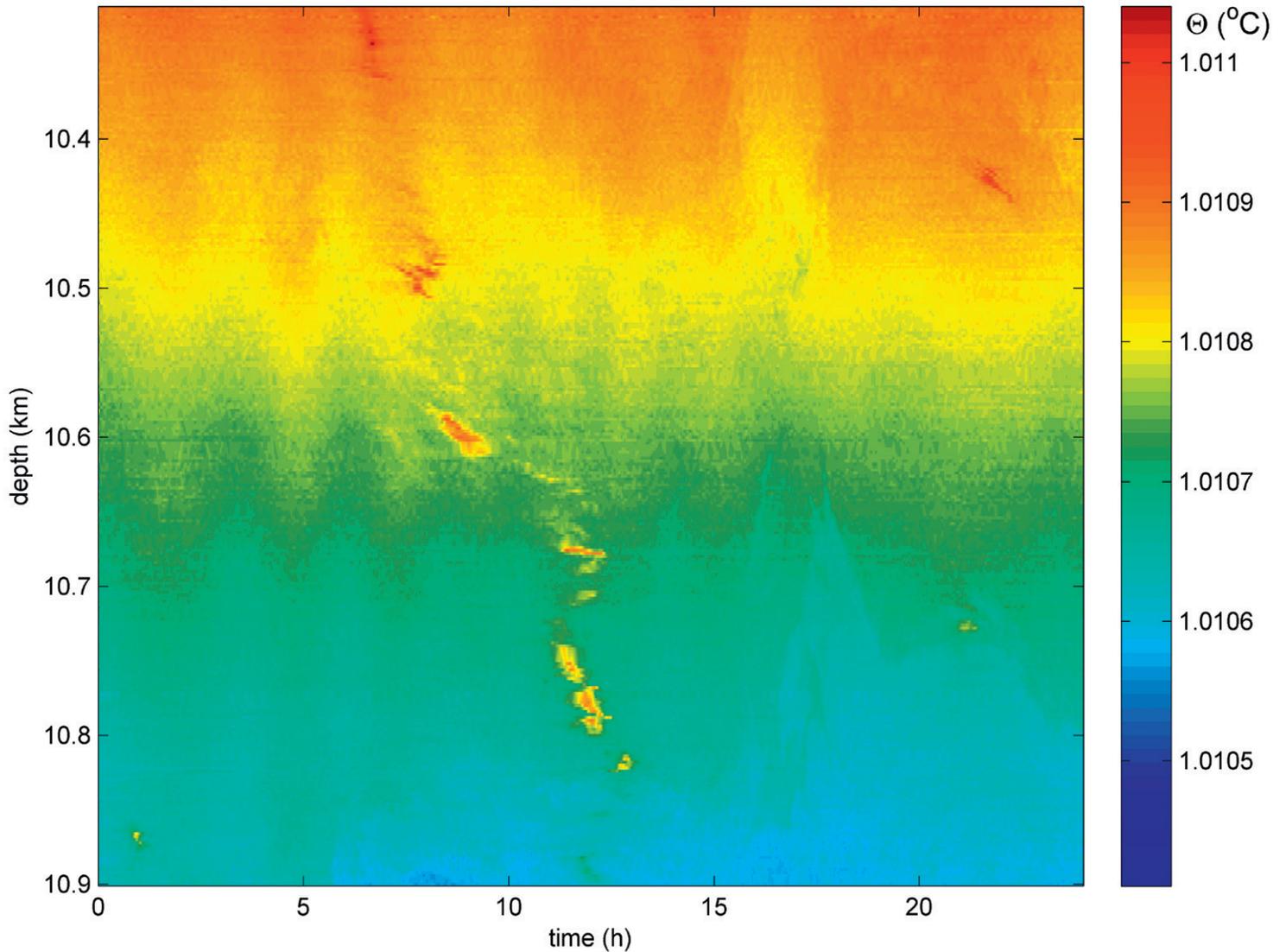
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PART I





Cover image: One day of internal wave turbulence near the floor of the Challenger Deep (Mariana Trench) recorded by 300 high-resolution temperature sensors moored in the lower 600 m of a 7 km long mooring line (van Haren, this volume). The data show sporadic temperature inversions caused by slanted convection attributed to internal waves from above. Between November 2016 and November 2019, the stand-alone sensors were moored at $11^{\circ} 19.59' N$, $142^{\circ} 11.25' E$, over 10,910 m water depth in the Challenger Deep, Mariana Trench, close to the deepest point on Earth. Mooring deployment and recovery were done from the R/V *Sonne* and R/V *Sally Ride*, respectively.