

SSS019-05

会場: 303

時間: 5月23日16:30-16:45

IODP南海トラフ地震発生帯掘削計画ステージ2第319次研究航海におけるソニックスキャナ検層

Sonic Scanner logging at Site C0009 of IODP Expedition 319, NanTroSEIZE

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The drilling vessel Chikyu completed the first riser-drilling in IODP history to a depth of 1603 mbsf (meter below seafloor) at Site C0009 in the landward Kumano forearc basin in the Nankai convergent margin, Japan. It is also notable that whole suites of wireline logging (Run 1: HRLA-PEX150-EMS=GR, Run2: FMI-SonicScanner-PPC-HINGS-EMS-GR, Run3: MDT-GR, WVSP and ZVSP). The SonicScanner conducted as Run2, obtained the data from about 703.9 - 1593.9mbsf. It is already shown from on board analysis that there is a distinct low velocity zone at about 1000 msf to 1280 mbsf, whereas Vs is almost constant. We conducted careful data QC, including leaky P, depth matching with other data and, dispersion analysis, dipole shear wave anisotropy and derived Vs1 and Vs2.