

**Daily Drilling and Scientific Report for IODP Expedition 381
Corinth Active Rift Development 2017**



10th Dec 00:00 – 10th Dec 24:00 EET Eastern European Time (UTC+2)

1. Location

Position 38° 7' 12.1467" N, 23° 05' 10.6138" E
IODP-MSP borehole M0080A
Prospectus borehole COR-04B
Water Depth: 348.8 m

2. Science Report

The geochemists have continued to extract pore water from whole rounds even within highly indurated siltstone/mudstone/sandstone. Salinity, alkalinity and ammonium show complex trends with depth at this site.

A ship-to-ship link up took place between Expedition 381 on the *Fugro Synergy* and Expedition 372 on the *Joides Resolution*, which is currently in transit between Australia and New Zealand. The scientists shared information about the objectives of their expeditions and those onboard the *JR* saw the MSP drilling and core flow setup onboard the *Synergy*.

3. Core Recovery Details

Hole	M0080A
Cores recovered	6
Drilled length (Coring, m)	21.90
Drilled length (Open hole, m)	0
Recovered length (m)	17.37
Recovery (%)	79%
Depth at midnight (mbsf)	403.00

4. Time Breakdown

00:50 Core on deck
04:55 Core on deck
09:35 Core on deck
13:35 Core on deck
17:45 Core on deck
22:35 Core on deck

5. Hours (inc. cumulative total) – no contractual implications can be made from these figures

In port	0.0
Transiting	0.0
Operating	24.0
Technical downtime	0.0
Weather downtime	0.0
Other downtime (specify)	0.0

6. Weather

Sunny with a high of 13°C, and winds of up to 28 km/h from a westerly direction, switching to a WNW through the afternoon. Wave heights of ≤0.6 m.

7. Planned Activity for the next 24 hours

Continue coring Hole M0080A.

8. Health and Safety and Environmental

N/A

9. Photo of the day



Fugro drill crew remove another core from within a core barrel (RGawthorpe@ECORD_IODP)