

**Daily Drilling and Scientific Report for IODP Expedition 347,
Baltic Sea Paleoenvironment**



31st Oct 00:00 – 31st Oct 24:00 GMT

1. Location

10° 6.499' E 55° 0.285' N

BSB-3, Lille Baelt.

2. Activity Summary

Completed coring at M0059E and commencing logging operations.

3. Science Report

Today we completed drilling the last hole of Expedition 347. Hole M0059E at Station BSB-3 in the southern Little Belt was dedicated to microbiology and geochemistry. During the day, the lower 65-85 mbsf of glacial clay were cored and sampled to satisfy the many requests. From 85 mbsf the sediment changed to sand and coring continued for studies of glacial sand and till layers with samples taken at regular intervals for OSL dating.

A lithology of alternating sand layers and diamicton, in the lower part a very hard and compacted diamicton, was recorded down to 100 mbsf where a collapsing layer of sand prevented further coring of this hole and the down hole logging commenced.

4. Core Recovery Details

Hole	M0059E
Cores recovered	15
Drilled length (Coring)	31.5m
Drilled length (Open hole)	N/A
Recovered length	22.41m
Recovery	71.14%
Depth at Midnight	100.8m

5. Weather

Rain showers and overcast with some sunny intervals, wave heights of 0.5 – 1.25 m; winds SW, 20 - 21 kts, gusting to 30 kts; Max 9°C.

Next 24 hrs, Isolated showers with fog / mist becoming fair, wave heights of 0.4 – 0.7 m, winds SW becoming SSW, 16 - 26 kts, gusting to 32 kts. 12°C.

Deep low pressure will remain over the vicinity of the UK and North Sea, producing fresh to strong breezes.

6. Planned Activity for the next 24 hours

Transit to Kiel. Science Party personnel depart the vessel before continued transit to Falmouth for vessel demobilisation.

7. Photo of the day



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