

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



28th Oct 00:00 – 28th Oct 24:00 GMT

1. Location

9° 48.029' E 55° 8.151' N

BSB-4, Lille Baelt.

2. Activity Summary

Completed transit to M0067 and commenced operations.

3. Science Report

After a transit from Station BSB-7D in the Bornholm Basin, the Manisha arrived at Station BSB-4 in the Lille Baelt at 8am and prepared for coring. The first piston core collected clayey sand and sand with small stones, organic fragments, benthic foraminifera and ostracods. The next core was 0.5 m and collected coarse sand with shell fragments. From this level and down to 8 mbsf six short cores collected well sorted gravel with a down-core decreasing grain size.

After this coring, a sudden extreme increase in wind made further coring impossible. The Manisha stayed on position for the following ten hours until the storm had calmed down sufficiently to start a new hole at BSB-4 (M0067B), recovering a similar lithology to M0067A.

4. Core Recovery Details

Hole	M0067A	M0067B
Cores recovered	7	3
Drilled length (Coring)	9.3m	5.2m
Drilled length (Open hole)	N/A	4.5
Recovered length	5.24m	5.55m
Recovery	56.34%	106.73%
Depth at Midnight	9.3m	9.7m

5. Weather

Fair with overcast periods and heavy winds, wave heights of 1 – 3 m; winds SW, 16 - 90 kts, gusting to 98 kts; Max 15°C.

Next 24 hrs, Showers, wave heights of 0.6 – 0.7 m, winds SW swinging to WSW, 20 - 28 kts, gusting to 35 kts. 12°C.

Low pressure will move ESE, moving to the north of the area with a following series of systems pushing eastwards.

6. Planned Activity for the next 24 hours

Complete coring at BSB-4 before moving to BSB-3 (depending upon lithology encountered at M0067B).

7. Photo of the day



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