





# Lomonosov Ridge, Arctic Ocean: New Data for Definition of Targets for Scientific Drilling

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geometry and CDP points were collected in 25 meter bins. The preliminary processing sequence includes, true amplitude recovery, sorting, stacking, deconvolution, tracemixing, bandpassfiltering, muting and display. Lines 3 and 5 represents crosslines to the original line AWI 91091 at the location of the proposed sites.

- The ca. 450 m thick package of hemipelagic sediments (Cenozoic) on top of the ridge is laterally uniform (LORI-01);
- The sedimentary layers (Mesozoic) below the regional erosional unconformity are structured as several synclines and anticlines;
- The proposed location of Site LORI-01 is above a syncline in the sediments below the regional unconformity;
- The proposed location of Site LORI-03 is on the side of a complex mound and should be moved.



