

UNDERSEA FEATURE NAME PROPOSAL OHO/IOC form No. 1
(See Note overleaf)

Ocean or Sea **Atlantic Ocean** Name proposed **Dibner seamount**

Coordinates: of N – E midpoint or summit: Lat **74 °15, 52' N** Long. **7°20,20' E**

Description (kind of feature): **seamount**

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):

Seamount is located on the west side of the Knipovich ridge and have dimensions of base about 8 x 26 km. Minimum depth of the SE summit is 990 m., relative height is more then 1900 m.

Associated features:

Chart reference:

Shown but not named on chart No. **On the GEBCO sheet 5.17. seamount is represented without details with min. depth more then 1000 m.**

Reason for choice of name (if a person, state how associated with the feature to be named): **Named after Vitaly Davydovich Dibner (1918 – 2007), professor, Russian marine geomorphologist and geologist, the explorer of Arctic and World ocean. Since 1948 studied islands and straits of Franz-Josef Land, Barentz Sea, Norvegian-Greenland basin, Davis Strait and North Atlantic. Developed methods of geomorphological and geological mapping of polar seas, morphostructural prognosis of perspective oil and gas structures. Author of more then 140 papers and 10 maps, including first geomorphologic and tectonic maps of Arctic.**

By means of (equipment): **regular survey by multibeam echo sounder SeaBat 8150 (12kHz), 1:200 000 scale**

Navigation used: **Navstar GPS**

Estimated positional accuracy in nautical miles: **±0,001 mile**

Description of survey (track spacing, line crossings, grid network, etc.): **regular bathymetric survey with multibeam echo sounder SeaBat 8150**

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity, photographs, etc.): **bathymetric survey with multibeam echo sounder SeaBat 8150; seabed sampling by dredging; seismic profiling.**

Supporting material: **enclose, if possible, a sketch map of the survey area, profiles of the feature, etc., with reference to prior publication, if any:**

Appendix 1 . **Detailed bathymetric map and shaded relief maps of the rise**

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