

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

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

Coordinates: of N – W midpoint or summit: Lat **74 °13, 81' N** Long. **8°01,78' E**

Coordinates: of S - E midpoint or summit: Lat **74 °15, 48' N** Long. **7°50,05' E**

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

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

Seamount with two summits is located on the west side of the Knipovich ridge and have dimensions of base about 60 x 38 km. Minimum depth of the S-E summit is 990 m., relative height is more then 1600 m. Minimum depth of the N-W summit is 1247 m, relative height is 1200 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 Leonid Vladimirovich Dmitriev (1927 -2005), professor, Russian marine geologist, petrologist, worked at the Vernadsky Institute of Geochemistry and Analytical Chemistry of the Russian Academy of Sciences. At the 15 expeditions in Pacific, Atlantic and Indian oceans he headed the research of basic rocks of the sea bottom, participated at 37th and 46th cruises of DSDP, was the leader of some international projects of Mid-oceanic ridges research, the Head of Russian department of the InterRidge Project. Published more then 200 papers and 5 monographs.**

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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