

ON DETECTION OF MINERAL OIL SPILL IN SEA WATER AREAS USING RADIO PHYSICAL METHODS

Nguyen Xuan ANH¹, E. V. KRIVENKO², V. A. KABANOV², V. I. LUTSENKO²,
V. N. TSIMBAL³, A.V.UZLENKOV²

1 Institute of geophysics, Vietnam Academy of Science and Technology 18 Hoang Quoc Viet

2 Institute of radiophysics and electronics by name of A. J. Usikov NAS of Ukraine, 310085, Kharkov,
Academician Proskura St., 12

3Center of the Earth distance control by name of A. I. Kalmikov NAS and NKA of Ukraine, 310085, Kharkov,
Academician Proskura St., 12

Tel:84 - 04-7562801

Email: nxuananh@yahoo.com

ABSTRACT

In this paper the problem of mineral oil spill detection in sea water areas was considered using radio physical methods. The results showed that ground based SHF Radars allow to realize the continuous control of water surface state at distances of tens kilometres while space based - can give periodic control of extensive areas. Radiolocators using decametric ground wave can detect oil spill at distances of 200-250 km.