

IAF EARTH OBSERVATION SYMPOSIUM (B1)
Interactive Presentations - IAF EARTH OBSERVATION SYMPOSIUM (IP)

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CASE STUDY ON OIL SPILL USING VARIOUS REMOTE SENSING SATELLITES

Abstract

Over the decades of shipping various kinds of goods from one place to another, oil is one of the majorly exchanged commodities. When a large quantity of oil is being shipped, the risk and safety for transporting is also quite high. However, with the advancement of technology, the number of oil spills in oceans have reduced drastically for the past few years. Satellite imaging can provide us vast information on understanding of large quantities of oil spill. The effects of the oil spill such as, consequence on marine life, marine pollution and the dispersion patterns influenced under ocean current, tide and other environmental factors can be monitored thoroughly through the Satellites. In this paper, a case study has been conducted on the effects caused by oil spills using remote sensing satellites. SAR and hyperspectral imaging satellites help in precise detections and study of these oil spills. As described by various researchers who have conducted detailed study of such events have provided diverse information on the satellite requirements for detection of these spills. The objective of this paper is to have a thorough understanding on effects of oil spill using remote sensing satellites.