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Observations During Spring and Summer of 2010: Description and Historical Perspective
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Simulating Oil Droplet Dispersal From the Deepwater Horizon Spill With a Lagrangian Approach Oil Spill Risk Analysis Model and Its Application to the Deepwater Horizon Oil Spill Using Historical Current and Wind Data; A Statistical Outlook for the Deepwater Horizon Oil Spill; Possible Spreadings of Buoyant Plumes and Local Coastline Sensitivities Using Flow Syntheses From 1992 to 2007; Subsurface Trapping of Oil Plumes in Stratification: Laboratory Investigations; AGU Category Index; Index

Sommario/riassunto

Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 195.Monitoring and Modeling the Deepwater Horizon Oil Spill: A Record-Breaking Enterprise presents an overview of some of the significant work that was conducted in immediate response to the oil spill in the Gulf of Mexico in 2010. It includes studies of in situ and remotely sensed observations and laboratory and numerical model studies on the four-dimensional oceanographic conditions in the gulf and their influence on the distribution and fate of the discharged oil. Highlights