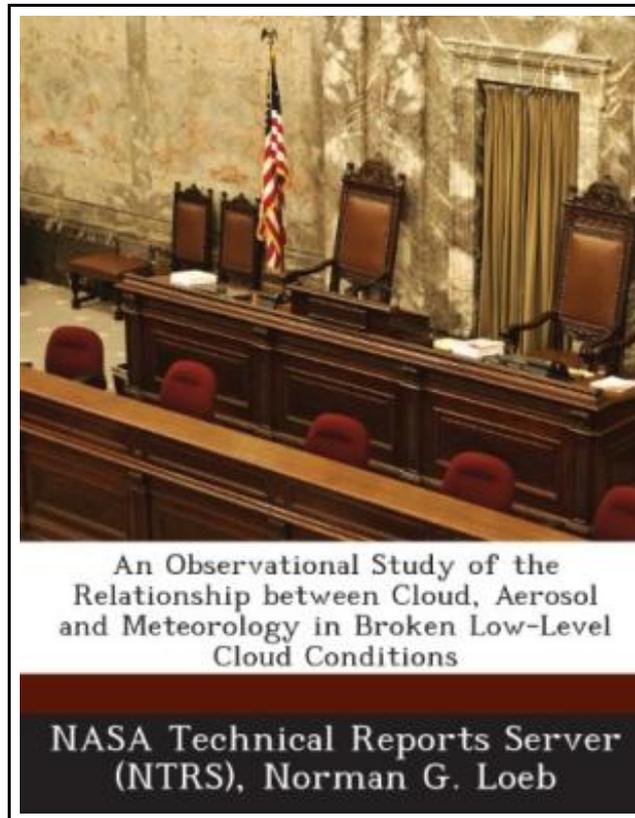


# An Observational Study of the Relationship Between Cloud, Aerosol and Meteorology in Broken Low-Level Cloud Conditions



Filesize: 9.67 MB

## ***Reviews***

*This publication is great. It is full of wisdom and knowledge You will not really feel monotony at at any time of the time (that's what catalogs are for relating to when you ask me).*

*(Dr. Everett Dicki DDS)*

## AN OBSERVATIONAL STUDY OF THE RELATIONSHIP BETWEEN CLOUD, AEROSOL AND METEOROLOGY IN BROKEN LOW-LEVEL CLOUD CONDITIONS



To download **An Observational Study of the Relationship Between Cloud, Aerosol and Meteorology in Broken Low-Level Cloud Conditions** PDF, remember to follow the button under and download the ebook or have access to additional information that are related to AN OBSERVATIONAL STUDY OF THE RELATIONSHIP BETWEEN CLOUD, AEROSOL AND METEOROLOGY IN BROKEN LOW-LEVEL CLOUD CONDITIONS ebook.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 32 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Global satellite analyses showing strong correlations between aerosol optical depth and 3 cloud cover have stirred much debate recently. While it is tempting to interpret the results as evidence of aerosol enhancement of cloud cover, other factors such as the influence of meteorology on both the aerosol and cloud distributions can also play a role, as both aerosols and clouds depend upon local meteorology. This study uses satellite observations to examine aerosol-cloud relationships for broken low-level cloud regions off the coast of Africa. The analysis approach minimizes the influence of large-scale meteorology by restricting the spatial and temporal domains in which the aerosol and cloud properties are compared. While distributions of several meteorological variables within 5deg 5deg latitude-longitude regions are nearly identical under low and high aerosol optical depth, the corresponding distributions of single-layer low cloud properties and top-of-atmosphere radiative fluxes differ markedly, consistent with earlier studies showing increased cloud cover with aerosol optical depth. Furthermore, fine-mode fraction and Angstrom Exponent are also larger in conditions of higher aerosol optical depth, even though no evidence of systematic latitudinal or longitudinal gradients between the low and high aerosol optical depth populations are observed. When the analysis is repeated for all 5deg 5deg latitude-longitude regions over the global oceans (after removing cases in which significant meteorological differences are found between the low and high aerosol populations), results are qualitatively similar to those off the coast of Africa. This item ships from La Vergne, TN. Paperback.

-  [Read An Observational Study of the Relationship Between Cloud, Aerosol and Meteorology in Broken Low-Level Cloud Conditions Online](#)
-  [Download PDF An Observational Study of the Relationship Between Cloud, Aerosol and Meteorology in Broken Low-Level Cloud Conditions](#)

## Other Kindle Books



**[PDF] Animalogy: Animal Analogies**

Follow the link below to download "Animalogy: Animal Analogies" PDF document.

[Download eBook »](#)



**[PDF] The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up**

Follow the link below to download "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" PDF document.

[Download eBook »](#)



**[PDF] The Mystery at Motown Carole Marsh Mysteries**

Follow the link below to download "The Mystery at Motown Carole Marsh Mysteries" PDF document.

[Download eBook »](#)



**[PDF] God Loves You. Chester Blue**

Follow the link below to download "God Loves You. Chester Blue" PDF document.

[Download eBook »](#)



**[PDF] Good Night, Zombie Scary Tales**

Follow the link below to download "Good Night, Zombie Scary Tales" PDF document.

[Download eBook »](#)



**[PDF] Molly on the Shore, BFMS 1 Study score**

Follow the link below to download "Molly on the Shore, BFMS 1 Study score" PDF document.

[Download eBook »](#)