



## Relationship between wind speed and aerosol optical depth over remote ocean

http://www.firstlight.cn 2010-07-02

The effect of wind speed on aerosol optical depth (AOD) at  $0.55 \, \mu m$  over remote ocean regions is investigated. Remote ocean region s are defined by the combination of AOD from satellite observation and wind direction from ECMWF. According to our definition, many oce an regions cannot be taken as remote ocean regions due to long-range transportation of aerosol from continents. Highly correlated linear relationships are found in remote ocean regions with a wind speed range of  $0-20 \, ms-1$ . The enhancement of AOD at high wind speed is explained as the increase of sea salt aerosol production.

<u>存档文本</u>

我要入编|本站介绍|网站地图|京ICP证030426号|公司介绍|联系方式|我要投稿 北京雷速科技有限公司 版权所有 2003-2008 Email: leisun@firstlight.cn