

Method for measuring the size of water droplets in clouds, fogs and sprays

National Research Council of Canada - US Patent for Optical instrument for measurement of particle size distributions Patent (Patent # 4,245,909 issued January 20, 1981)



Description: -
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Cloud Condensation Nucleus

It successfully provided thermodynamic, optical, and electrical properties of clouds at heights up to 2 km, allowing most boundary layer clouds to be accessed and studied, as well as mists, fogs, and aerosol plumes.

FOG,HAIL,MIST AND DEW

Conceptual picture of charge emission, droplet charging, and droplet growth in a cloud drawn to show droplet growth left to right. Canned Heat is a gel made by mixing alcohol and a saturated aqueous solution of calcium acetate.

1.3 Fog harvesting

Valley fog forms in mountain , often during winter.

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Neither the large pool of DOM resulting from phytoplankton secretions nor the nonphytoplankton particulates bacteria, viruses, fragments of larger organisms, and organic detritus are detected with satellite retrievals of chlorophyll.

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