Damien Lafont

Education

B.S., Physics and Chemistry, Blaise Pascal University, France, (1998)
M.S., Climate – Atmospheric Physics and Chemistry, Blaise Pascal University, France, (2000)
Ph.D, Atmospheric Physics, Blaise Pascal University, France, (2005)

Research interests

Satellite multispectral studies of clouds
Satellite rainfall estimation using visible, infrared and microwave
Radiative tranfer
Radiative effects of cloud inhomogeneity and variability
Cloud classification

Selected publications

Lafont, D., and B. Guillemet, "Subpixel cloud fraction and inhomogeneity effects on microwave beam filling error", *Atmos. Res*., 72, 149-168, 2004.

Lafont, D., and B. Guillemet, "Beam-filling effect correction with sub-pixel cloud fraction using a neural network", *IEEE Trans, Geosc. Rem. Sens*., 43(5), 1070-1077, 2005.

Lafont, D., Jourdan, O., and B. Guillemet, "Mesoscale cloud patterns classification with a neural network using a new index of cloud variability", *Int. J. Rem. Sens*., 27(16), 3533-3552, 2006.