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EARTH SURROUNDING LAYERS

Abstract

Remote sensing using large constellation of small satellites is developing at fast pace: the advantages of a fast revisiting time and of coherent multiple observations are outpacing, in a growing number of cases the services provided by individual large satellites equipped by most advanced detectors. Ground-space cooperation among networks of detectors and payloads adds even more potential for monitoring and discovery. We will review a few examples extending from geophysics, to solar physics, to cosmic ray physics, to astrophysics, some already ongoing, some planned as well as future concepts and ideas.