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Status of activities and plans for Geo-KOMPSAT-2A Meteorological Products

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KMA has developing COMS follow-on geostationary meteorological satellite (Geo-KOMPSAT-2A, GK-2A) by 2018, which will has an Himawari-8/AHI-like sensor, named advanced meteorological imager (AMI). GK-2A/AMI will provide huge observational data through 16 channels with high spatial and temporal resolution. In order to use this data for various applications such as hazardous weather and climate monitoring and numerical weather prediction, KMA has started to develop scientific algorithms of fifty-two meteorological products which are 23 baseline and 29 auxiliary products. These products consist of four groups, which are scene analysis and surface information, cloud and precipitation, aerosol and radiation, and atmospheric information. KMA is working on the algorithm development in close collaboration with academia and research institute.