

The Operational Development of Space Weather Forecasting and Warning Products in CMA

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The National Center for Space Weather (NCSW) of China takes responsibility of the space weather monitoring and warning services in China. The detailed tasks include: (1) using the observation data of equipments on FY satellites and ground to monitor the solar activities, magnetosphere, ionosphere; (2) statistically analyzing the temporal characteristics of various physical parameters in space environment; (3) developing and establishing space weather monitoring and warning system; monitoring and warning the bursting and long-standing atrocious space weather, and processing the relative research; and (4) providing accurate space weather services for the spaceflight, national defense, and the security of other technical systems on ground in time. The operational forecast and warning will be discussed in the presentation, products including: Short-term forecast, nowcast and warning, weekly bulletin, monthly bulletin, annual bulletin, and special bulletin.