

Ground-based Space Weather Monitoring Network in China

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Station Distribution

- Geomagnetic
- Optical-atoms.
- Radio
- Rocket



CRM

TEL

IPST

DPS

IONO

DOPP



SROC

MROC



漠河

满洲里

长春

北京

新乡

合肥

拉萨

成都

重庆

武汉

上海

曲靖

广州

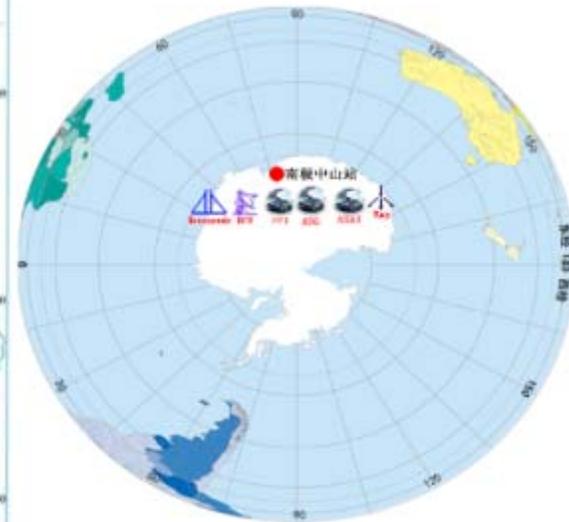
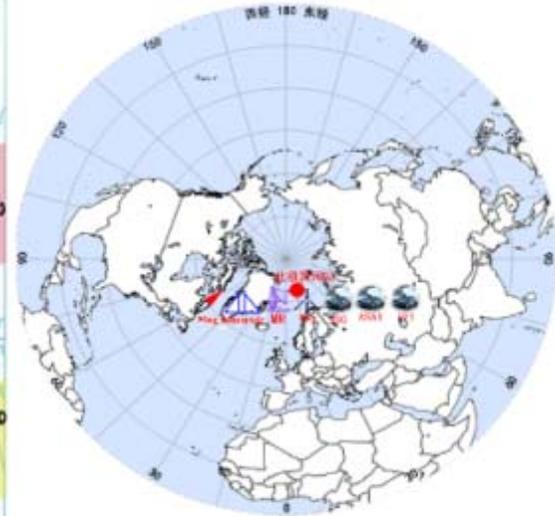
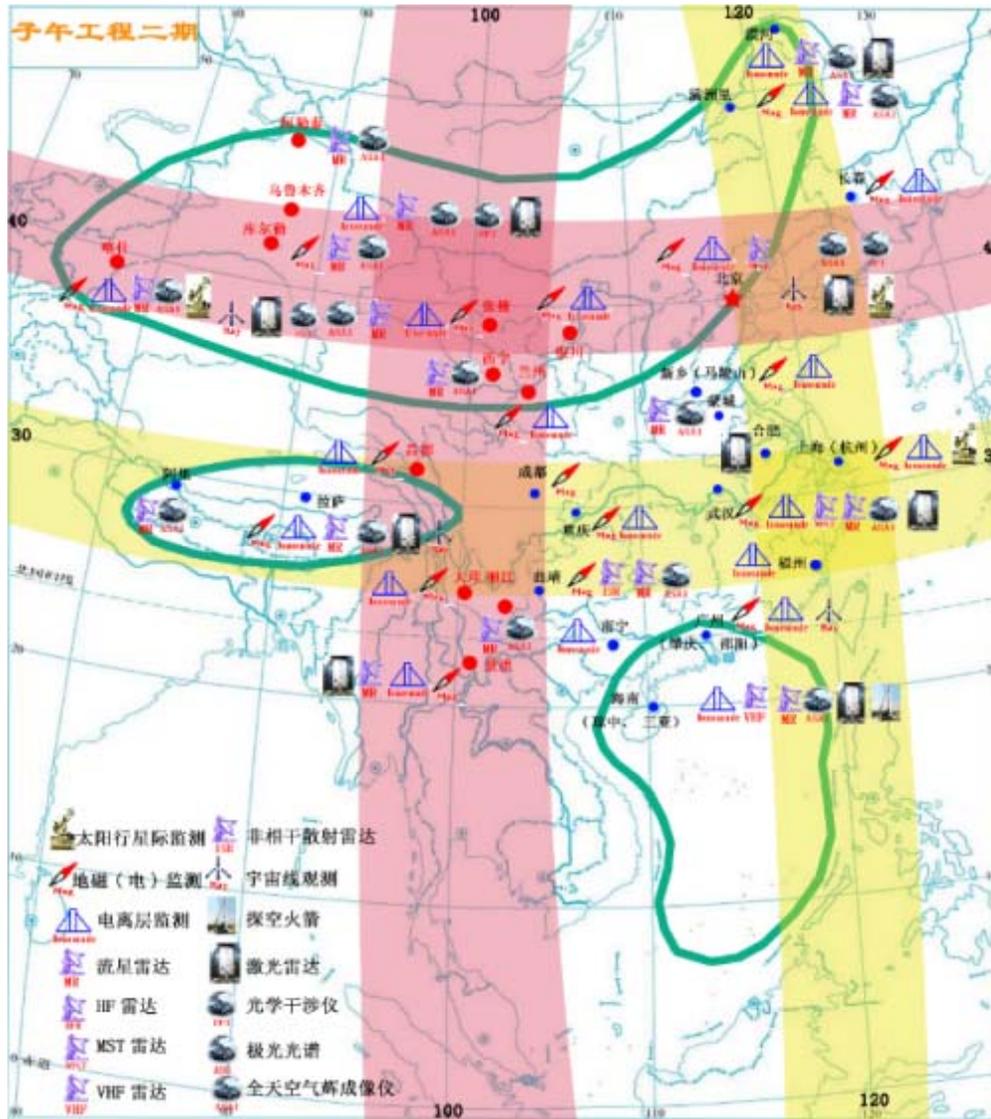
海南

南极中山

Status

- Chinese Meridian Project started data collection in Oct., 2012
- Up to Jan., 2018, it has collected 4.6 TB of scientific data for 23 space environment key parameters.
- More than 50 peer – reviewed paper have been published in 2017, including 16 JGR and 3 GRL.

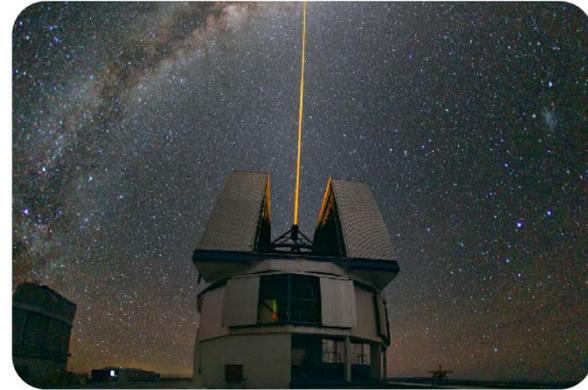
Meridian Project II



Key Instruments



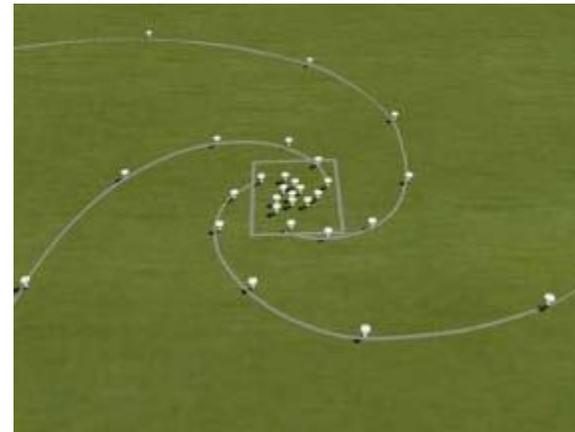
Advanced Modular ISR



Multi-function LIDAR



SuperDAWN Radar



Solar Radio Heliograph

Status

- The proposal of Chinese Meridian Project II has been submitted and evaluated, and is expected to be get approved in early Feb., 2018, with total budget of 1.3 billion RMB.
- The construction phase is expected to start in the end of 2018.

International Space Weather Meridian Circle Program (IMCP)



To connect 120°E and 60°W meridian chains of ground based monitors worldwide, in order to provide a global picture of unfolding space weather events.



■ **IMCP Workshop, May 15-17, 2017 Qingdao, China**



■ **The building for IMCP Headquarter will be support by Beijing municipal government**

Status

- **China is going to initiate a few major international scientific plan or projects in the near future. IMCP has been listed as one of the candidates.**
- **We were asked by the Ministry of Science and Technology (MOST) of China to submit draft proposal early Feb., 2018.**
- **Your support and participation in IMCP is highly appreciated.**