

[4-1]

INTRODUCTION TO CHINESE MERIDIAN PROJECT

C Wang^{1}*

*¹State Key Laboratory of Space Weather, National Space Science Center
Email: cw@spaceweather.ac.cn*

To develop an understanding of near-Earth space's response to solar activities and the coupling among different layers in geospace, China has initiated a ground base program to monitor China's geospace environment. Called the Meridian Space Weather Monitoring Project (or Chinese Meridian Project), the effort consists of a chain of 15 ground-based observatories located roughly along 120°E longitude and 30°N latitude. Each observatory is equipped with multiple instruments to measure key parameters such as the baseline and time-varying geomagnetic field, as well as the middle and upper atmosphere and ionosphere from about 20 to 1000 kilometers. This project started collecting data in 2012. We will give a brief overview about the Meridian Project, especially its data related activities.

ACKNOWLEDGEMENTS

The author would like to thank the Meridian Project Team for their great work. The operation of the Chinese Meridian Project is supported by the special fund for the Large Research Infrastructure through Chinese Academy of Sciences.

REFERENCES

- Wang, C. (2010), New Chains of Space Weather Monitoring Stations in China, *Space Weather*, 8, S08001, doi:10.1029/2010SW000603.
- Wang C. (2014), Recent advances in Chinese Meridian Project. *Chin. J. Space Sci.*, 2014, 34(5): 535-543, doi:10.11728/cjss2014.05.535