

Operations at SEPC/NSSC during the COVID-19 pandemic

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COVID-19 Progress in China

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Impacts on Operational Services

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Impacts on Research Projects

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Impacts on Conferences

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Impacts on Educations

1. COVID-19 progress in China

Spring Festival (21Jan-02Feb)

Remote Work (03Feb-02Mar)

Basically back to normal with regional outbreak of epidemic sporadically



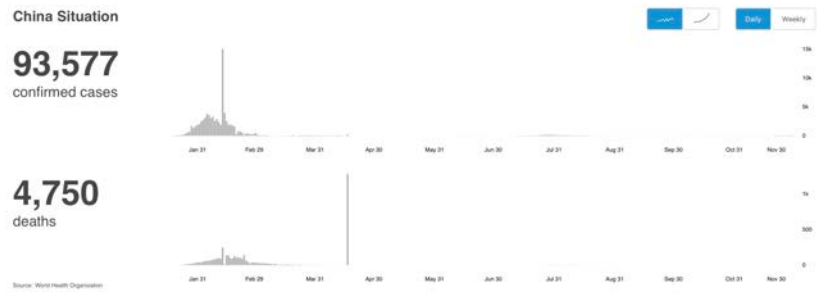
WuHan lockdown on 23/Jan

Lockdown lifted on 08/Apr

anti-epidemic measures:

- Traffic control
- Nucleic acid testing
- Check the verification code
- Information registration
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In China, from Jan 3 to 7:08pm CET, 1 December 2020, there have been 93,577 confirmed cases of COVID-19 with 4,750 deaths.



<https://covid19.who.int/region/wpro/country/cn>

- **Stage 1: During Chinese Spring Festival (Jan-Feb)**
Outbreak of COVID-19, forecasters who stayed in Beijing undertook the operation of space weather forecast services.
- **Stage 2: One Month After Spring Festival (Mar-Apr)**
Colleagues were not arranged to participate in forecasting services until after 14 days quarantine.
- **Stage 3: Resume to normal (Apr-)**
Operational services: Data collection and products delivery run smoothly

SEPC – Space Environment Prediction Center

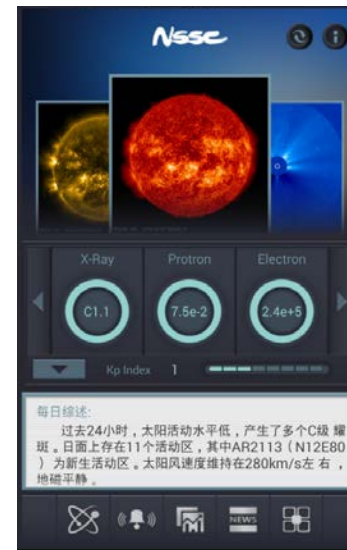
Common Products

- Daily/Weekly/Monthly report
- Alert
- Notification
- Customized service
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Delivery Methods:

- Website
- Mobile SMS
- Wechat
- Weibo



Major space missions during COVID-19 pandemic:

- Manned space mission: pre-launch service
- Mars project: Tianwen 1 (Jul)
- Lunar project: Chang'e 5 (November)
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National Natural Science Foundation of China 2020:

- Application deadline delayed for one month
- Review time delayed

Many other 1-2 year research projects were also delayed by about 6 months.

National Conferences:

- 11th National Symposium on Space Environment and Its Applications (every two years, traditional conference for users and research community) **CANCELLED**
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International Conferences:

- AOGS - 17th Asia Oceania Geosciences Society **CANCELLED**
- ESWW - 17th European Space Weather Week **POSTPONED**
- AOSWA - 6th Asia-Oceania Space Weather Alliance **POSTPONED** & changed to **online** conference
- American Geophysical Union (AGU, **online**)
- COSPAR (postponed and now **online**)
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Online Lecture: Series of lectures on Frontiers of Heliosphere Physics and Planetary Space Environment.

Topics on:

- Solar atmosphere and solar wind
- Acceleration and propagation of energetic particles
- Structure and disturbance of interplanetary space
- Space weather effects
- The origin and evolution of CME
- Planetary space environment
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日球物理及行星空间环境前沿系列讲座

2020年6月起

每周四 10:00-11:00 ZOOM 会议 ID: 670 154 8839

视频讲座

讲座主题

太阳大气与太阳风	高能粒子加速与传播
行星际空间结构与扰动	空间天气效应
日冕物质喷射的起源与演化	行星空间环境

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6-7月报告人

 陈鹏飞 6月18日	 冯学尚 7月2日	 张捷 7月9日	 秦刚 7月16日	 江毅明 7月23日	 胡强 7月30日
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更多精彩报告, 敬请期待



策划单位

 中国科学技术大学 地球和空间科学学院	 中国科学院 国家空间科学中心	 山东大学 (威海) 空间科学研究所	 北京大学 地球与空间科学学院	 哈尔滨工业大学 (深圳) 空间科学与应用技术研究院
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日球物理及行星空间环境前沿讲座 联系人: 申成龙、沈芳、何建森、李波、江朝伟、罗冰磊、王翼



扫码入会

4. Impacts on Conferences

Difficulties in communication with users & partners



China Academy of Space Technology



Solar Activity Prediction Center



China Electronics Technology Group Corporation



Institute of geology and geophysics, CAS



National Center for Space Weather

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- Graduate students: thesis defense meeting online
- Non-graduate students: didn't return to school until Aug.



Thanks !