



National Institute of Information and Communications Technology

Update of space weather research & operation in NICT

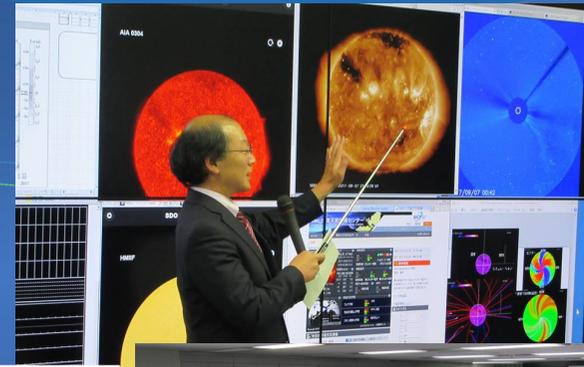
Space Environment Lab.

National Institute of Information and
Communications Technology (NICT), Tokyo, Japan

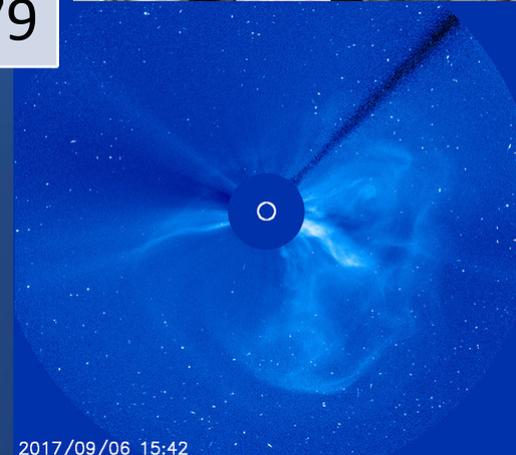
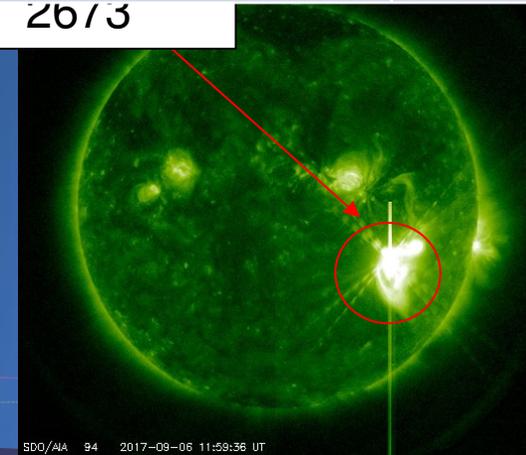
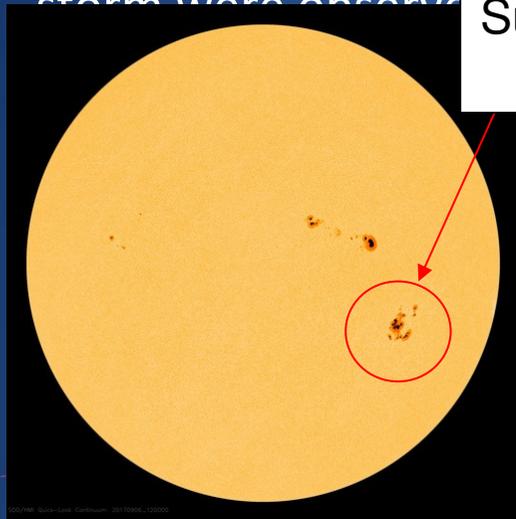
The Solar Flare on Sep. 6, 2017

Detail of the event

- ◆ A large scale solar flare (X9.3) was observed on 20:53JST Sep. 6, 2017, which has been 11 years since similar size event occurred.
- ◆ Coronal gas ejected simultaneously with the flare and would be fore Earth.
- ◆ The impact on GNSS, H power grid from geom storm were observ



Media	Number
TV	60
Newspaper	271
Web news	779
Sum	2673



Colona gas observed by SOHO satellite

Solar images observed by SDO satellite(Left: visible, Right: UV)



After the Event

- Cabinet Office starts the discussion on SWx as a part of SSA in Aerospace Action plan
- SWx session has been added in “Japan Space Forum” hosted by Cabinet Office and Terry, Obara-san and I were invited to the panel discussion.
- NICT received additional budget for preparing robust system of SWx services. NICT headquarter locates in Koganei, Tokyo. It has been preparing a back up Center for SWx services at Future ICT Center, Kobe city. The service will start on April 2019.
- The MIC requires a continuous budget for operational SWx services including 24/7 human operation.



NICT Future ICT Center (Kobe)



NICT Koganei Campus



2018 Space Weather as a Global Challenge

- The 3rd meeting of “Space Weather as a Global Challenge” was held at Japan Embassy on July 24, 2018 hosted by Japan Embassy, NICT, JAXA and DoS.
- 77 people attended from various countries.
- Discussing Theme
 - Japan’s Space Weather Efforts and Outlook
 - Perspectives from around the Globe
 - Toward Improved Space Weather Services and preparedness
 - Perspectives from the Private Sector
- Preparedness for severe space Weather disaster with international collaboration and activation of private sector were mainly discussed.



New Web site

Information Research Institute
宇宙天気予報センター
International Space Environment Service, Regional Warning Center Japan
地球近傍の宇宙環境に関する情報を提供しています。

旧サイトはこちら ▶ ユーザーガイド ▶ JP ENG

JST 2018/11/10 00:41. UTC 2018/11/09 15:41.

ホーム レポート 現況・トレンド 予報 解説 リンク

予報

2018/11/09 15:00 JST ~ 2018/11/10 14:59 JST

太陽領域 >		磁気圏領域 >		電離圏領域 >		
静穏	静穏	静穏	やや高い	静穏	静穏	活発
Lv.1	Lv.1	Lv.1	Lv.2	Lv.1	Lv.1	Lv.3
太陽フレア >	プロトン現象 >	地磁気擾乱 >	放射線帯電子 >	電離圏嵐 >	デリンジャー現象 >	スプラティックE層 >

0:41 2018/11/10