

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**NATIONAL CENTER FOR RESEARCH**  
**Institute of Space Research and**  
**Aerospace (ISRA)**



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## **Report from Institute of Space Research and Aerospace (ISRA) for Space weather in Sudan**

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Alkenani November 2016

Reported of activities in space weather in Sudan should continue to report to the International space weather initiative (ISWI) Japan. On monthly basis.

### **1. Introduction:**

This report covers local activities of the department of Astronomy and Space physics in ISRA which occurred in months ago. In this month we only plan to read the theoretical space weather so as understand much about this field by directing from Dr. Magdi and after that we will begin the practical report of space weather by the sensei Dr. Magdi Alfadil in Institute of Space Research and Aerospace to undertake capacity building for the space weather and technology applications for the Researchers of ISRA staff through training, research and development activities for sustainable development in space science. Astronomy and space physics department also serves as an activity center For ISRA. Particularly, it is tasked with the responsibility to promote space weather and astronomy at elementary and secondary school levels and to create awareness among the Sudan public for the benefits from forecasting space weather.

### **2. The activities of space weather during the previous month:**

The Department of Astronomy & Space Physics participated at the Scientific Forum of the National Center for Research in Sudan held in 16/10/2016 at period from 11am- 3pm. I was speaking about the preparation for training of space weather and the sensei who going to teach us aspect the important of this phenomena and also mention the joint between Sudan University and ISRA (ISRA- SUST) to develop and improve this field in addition to the report where I sent it to ISWI to publish in newsletter in Japan by Mr. George Maeda. so as to build a high-quality capacity of the researchers and students from Sudan for the application of space weather and technology

for sustainable national, regional and continental development, to this end, the Department of Astronomy runs training courses in space weather and technology applications as contained in the education curricula adopted for the regional centers for space weather and Astronomy so as to education, developed through activities ISRA.

### 3. Outreach programmers:

The department of Astronomy and space physics has featured program on the local TV campaigning for public awareness on issues concerning space weather and Astronomy. It has also established for a workshop sponsored by the Institute of Space Research and Aerospace (ISRA) for promoting science education amongst Universities and secondary schools students.

### 4. Photo of the speakers and attendants:



Photo1 Mohammed Yahya Alkenani spoke about the importance of space weather in Sudan.

Photo2 the staff of ISRA shows the cub sate prototype.

Photo3 Dr. Moutaman spoke about ISRA activities.

### **5. Acknowledgement:**

We would like to thank Prof.Megdam the general Director of National Center of Research (NCR) and Dr. Moutaman, the director of ISRA for his support in many things, for his kindness and providing the suitable environment for discussions and negotiations.

### **6. Works Cited**

1. [http://www.unoosa.org/pdf/limited/I/AC105\\_2006\\_CRP08E.pdf](http://www.unoosa.org/pdf/limited/I/AC105_2006_CRP08E.pdf)

