

June 1, 2010

Space Weather Prediction Center
GEOALERT

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Thule Neutron Monitor Daily Percent of Background Discontinued

June 1, 2010 SWPC discontinued the Daily Thule Neutron Monitor data in the GEOALERT UGEOI message. The ground-level cosmic ray intensity and events group in the UGORI coded message are now always 4////.

For more details, alternative sources, and SWPC contact information.
See <http://www.swpc.noaa.gov/Thule.html>

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The GEOALERT message contains four coded messages and sometimes plain text.

UGEOA: The World Warning Agency (WWA) consensus forecast for 1- to 3-day forecasts of whole-disk flares, geomagnetic activity, and protons.

UGEOE: A summary of significant solar events for the previous day

UGEOI: Observed solar-geophysical indices for the previous day

UGEOR: Sunspot data for the previous day, and regional forecasts

See sample and description below.

This message is a consensus of the Advices received from the seven Regional Warning Centers (RWCs) of the IUWDS (International Ursigrams and World Days Service). These centers are located in Paris, Beijing, Moscow, Darmstadt, Tokyo, Sydney, and Boulder. In addition to being one of the RWCs, Boulder is also the IUWDS World Warning Agency (WWA) responsible for collecting and coordinating daily forecasts, alerts, and encoded solar-terrestrial data.

The GEOALERT message, and other URSI coded messages transmitted on the COMEDS teletype network, are described in detail in the manual I.U.W.D.S. Synoptic Codes For Solar And Geophysical Data, written by SESC.

The last 75 reports are included in this directory.

Issue time: Daily at 0330 UTC

Period Covered: Previous UT day and forecast day.

Available:

via SWPC Anonymous FTP server <ftp.swpc.noaa.gov>

 /pub/latest/GEOA.txt --- most recent report

 /pub/forecasts/GEOA --- last 75 reports

via SWPC Web site:

<http://swpc.noaa.gov/ftplib/latest/GEOA.txt>

<http://swpc.noaa.gov/ftplib/forecasts/GEOA.html>

This, and other forecasts and summary reports, are available via email.
<https://pss.swpc.noaa.gov/>

See <http://swpc.noaa.gov/Data/> for other SWPC data and products.

** Please read the SWPC Disclaimer at <http://www.swpc.noaa.gov/>

** before using the forecasts and data in these reports.

SWPC provides near-real-time and recent data, solar and geomagnetic indices and solar event reports created from preliminary reports. Preliminary data may contain errors or be revised after further review. The historical products in this SWPC Warehouse are the preliminary reports as originally published. SWPC does not encourage the use of preliminary data for research purposes.

Links to archive sites with final data: <http://www.swpc.noaa.gov/Data/>

Please send comments and questions to SWPC.Webmaster@noaa.gov

Report problems to SWPC.CustomerSupport@noaa.gov

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SAMPLE

:Product: GEOALERT

:Issued: 2008 Jan 03 0333 UTC

Prepared by the U.S. Dept. of Commerce, NOAA,

Space Weather Prediction Center.

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Geoalert WWA003

UGEOA 20401 80103 0330/ 9/35/

11031 20031 30031

99999

UGEOE 20401 80103 0330/ 02/00

99999

UGEOI 20401 80103 0330/ 02///

10013 20800 30010 40000 50000 62708 71904 80001 90030

99999

UGEOR 20401 80103 0330/ 02/24 03101

10980 20000 30000 43212 50030 60003 25808 17100

99999

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DESCRIPTION

The GEOALERT is a coded message. Codes begin with a five-letter code word (UGEOA, UGEOE, UGEOI, or UGEOR) indicating how the numbers that follow

should be interpreted. Instructions for decoding the GEOALERT message are in the manual I.U.W.D.S. Synoptic Codes For Solar And Geophysical Data, written by SESC. In summary, the codes contain for following information. See Code Book at <http://www.ises-spaceweather.org/>

UGEOA: The World Warning Agency (WWA) consensus forecast for 1- to 3-day forecasts of whole-disk flares, geomagnetic activity, and protons.

UGEOE: A summary of significant solar events for the previous day using the following criteria:
M-class or greater x-ray flare
Optical flares of importance 2B or greater
Radio bursts - 100 sfu at 245 MHz
Radio bursts - 100% above background at 10 cm
Type-II or Type-IV sweep-frequency burst

UGEOI: Observed solar-geophysical indices for the previous day, including:
Daily SESC sunspot number and area
AB Index
Ground-level cosmic ray intensity and events (ended 01 June 2010)
Daily 10.7 cm radio flux from Penticton, Canada
Total M- and X-class x-ray flares
X-ray background level
Particle fluence (>10 MeV)
Total number of regions with sunspots
Number of new regions with sunspots

UGEOU: Sunspot data for the previous day, and regional forecasts including:
Region number and location
Number of optical, M- and X-class x-ray flares for the region
Sunspot classification and total sunspot area
Number of spots in the region
Flare probability forecast for the region

PLAIN: Plain-language remarks added as necessary; for example, it may describe international observing programs such as FLARES 22/Max'91.

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OLD NOTICES

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Thule Neutron Monitor Daily Percent of Background
To Be Discontinued

April 20, 2010 -- On 01 June, SWPC will discontinue the Daily Thule Neutron Monitor data in the GEOALERT UGEOI message. The ground-level cosmic ray intensity and events group in the UGORI coded message will be 4////.

For more details, alternative sources, and SWPC contact information. See <http://www.swpc.noaa.gov/Thule.html>