

HFUS BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 025A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600 Z 25 January 1974

1A. Solar activity remains very low. NO significant events have occurred since the 2200Z message. The disk remains spotless.

1B. No significant activity is expected.

II. The Geomagnetic field has been quiet and is expected to be quiet to unsettled for the next 72 hours.

III. EVENT PROBABILITIES  
CLASS M \_\_\_\_\_  
CLASS X \_\_\_\_\_  
PROTON \_\_\_\_\_  
PCAF \_\_\_\_\_

IV. OTTAWA 10.7 CM FLUX  
OBSERVED \_\_\_\_\_  
PREDICTED \_\_\_\_\_  
90-DAY MEAN \_\_\_\_\_

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG \_\_\_\_\_  
ESTIMATED  $A_{FR}/A_p$  \_\_\_\_\_  
PREDICTED  $A_{FR}/A_p$  \_\_\_\_\_

NOTE: A recent comparison between two years of Fredericksburg and Planetary Magnetic indices has shown that  $A_p$  appears higher than  $A_{FREDERICKSBURG}$ . Therefore, both indices will be included in future forecasts. Only extrapolated  $A_p$  values will be given since the computation and publication of the actual observed  $A_p$  values require approximately three months.

HFUS BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 025B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 25 JAN 1974

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL FROM AN ALMOST  
FEATURELESS DISK.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL FOR THE NEXT 48  
TO 72 HOURS.

II. THE GEOMAGNETIC FIELD IS SLIGHTLY ACTIVE WITH UNSETTLED TO SLIGHTLY  
ACTIVE CONDITIONS EXPECTED FOR THE DURATION OF THE FORECAST PERIOD.

SEE PART V.

III. EVENT PROBABILITIES 25 JAN - 27 JAN

CLASS M 15/10/05

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JAN 80

PREDICTED 25 - 27 JAN 76/72/72

90-DAY MEAN 24 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JAN 03

ESTIMATED AFR/AP 24 JAN 03/04

PREDICTED AFR/AP 25 - 27 JAN 18/21 - 13/14 - 11/12

SOLTERWARN

SPAN

BT

~~NOT MAILED - NO~~  
~~XEROX~~

HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 025

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 25 JANUARY 1974.

IA. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL, WITH THE ONLY  
ACTIVITY REPORTED AS MINOR INTERMITTENT SURGING FROM REGIONS 331  
AND 333 AS THEY TRANSIT WEST LIMB AT N04 AND S16.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL WITH  
A SPOTLESS DISK AND NOTHING DUE TO RETURN TO EAST LIMB THROUGH  
28 JANUARY.

II. THE GEOMAGNETIC FIELD BECAME UNEXPECTEDLY ACTIVE AT 0700Z TODAY,  
WITH K-INDECES OF 4 AND 5, ASSOCIATED NORTHERN AURORAL  
ACTIVITY, AND PROTON ENHANCEMENT AT VERY LOW ENERGIES. THIS  
DISTURBANCE SHOULD TAPER OFF TOMORROW TO UNSETTLED CONDITIONS  
BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26-28 JAN

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JAN 77

PREDICTED 26-28 JAN 73/72/73

90-DAY MEAN 25 JAN 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JAN 03

ESTIMATED AFR/AP 25 JAN 28/42

PREDICTED AFR/AP 26-28 JAN 16/18 - 14/16 - 12/13

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BT