

NUMBER 075 A

INT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

UED 0600Z 16 MARCH

1974

1A.

Solar activity is very low. No flares have been observed during the past 8 hours. The regions on the disk and both limbs are stable and quiet.

1B.

Solar activity will continue at a very low level.

The geomagnetic field is quiet and is expected to remain quiet.

EVENT PROBABILITIES

no change

CLASS M

CLASS X

PROTON

PCAF

OTTAWA 10.7 CM FLUX

no change

OBSERVED

PREDICTED

90-DAY MEAN

GEOMAGNETIC A INDICES

no change

OBSERVED FREDERICKSBURG

ESTIMATED A_{FR}/A_p PREDICTED A_{FR}/A_p

E: 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 161400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 075B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 16 MARCH 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. FILAMENT ACTIVITY AND POINT
BRIGHTENINGS HAVE BEEN OBSERVED IN REGION 363(S17E04), BUT THE
SLOW DECAY CONTINUES HERE. THE REMAINDER OF THE DISK AND THE
LIMBS HAVE BEEN QUIET.

IB. ACTIVITY WILL REMAIN VERY LOW, AS ONLY INFREQUENT SUBFLARES
ARE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THUS FAR TODAY.
QUIET CONDITIONS ARE ANTICIPATED FOR THE REMAINDER OF THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 16 - 18 MARCH

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAR 84

PREDICTED 16 - 18 MAR 84/85/84

90-DAY MEAN 15 MAR 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAR 12

ESTIMATED AFR/AP 15 MAR 02/03

PREDICTED AFR/AP 16 - 18 MAR 11/12 - 04/05 - 05/06

SOLTERWARN

SPAN

BT

HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 075

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 MARCH 1974.

IA. SOLAR ACTIVITY CONTINUES VERY LOW. ALL REGIONS ON THE DISK HAVE BEEN STABLE OR DECLINING, AND ONLY ONE NON-ENERGETIC SUBFLARE HAS BEEN REPORTED. MINOR FILAMENT ACTIVITY HAS BEEN OBSERVED ON THE DISK. THE LIMBS HAVE SHOWN SLIGHT ACTIVITY ALSO, WITH SURGES ON THE EAST, AND PROMINENCES ON THE WEST.

IB. ONLY INFREQUENT, SMALL SUBFLARES ARE EXPECTED, AS SOLAR ACTIVITY WILL REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE SINCE EARLY 16 MARCH. THIS DISTURBANCE IS NEITHER OF A RECURRENT NATURE NOR IS IT FLARE INDUCED. ACTIVE CONDITIONS ARE EXPECTED TO PERSIST, EVENTUALLY YIELDING TO UNSETTLED CONDITIONS DURING THE LATTER PART OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17-19 MAR

CLASS M 07/07/07

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MARCH 83

PREDICTED 17-19 MARCH 83/82/81

90-DAY MEAN 16 MARCH 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MARCH 03

ESTIMATED AFR/AP 16 MARCH 22/28

PREDICTED AFR/AP 17-19 MARCH 18/21 - 14/16 - 10/11

SOLTERWARN

SPAN

BT