

HFUS BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 110 A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600 Z 20 APRIL 1974

1A. Solar activity has been low during the
past 8 hours. No flares have been observed
and the winds are quiet.

1B. Solar activity will continue at a low
level. A few non-energetic subflares
can be expected.

II. The minor geomagnetic storm continues and will
continue during the next 24 hours.

III. EVENT PROBABILITIES no change -
CLASS M / /
CLASS X / /
PROTON / /
PCAF

IV. OTTAWA 10.7 CM FLUX no change
OBSERVED
PREDICTED - /
90-DAY MEAN

V. GEOMAGNETIC A INDICES no change
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.

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HFUS 1 BOU 201400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 110B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 20 APRIL 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY MINOR SUBFLARES.
SLOW SPOT GROWTH HAS OCCURRED IN PAST 12 HOURS IN RGNS 384(S14W66),
385(S10W59) AND 386(N02W44). THE EASTERN SOLAR HEMISPHERE IS
INACTIVE.

IB. SUBFLARES WITH X-RAYS LESS THAN CLASS M SHOULD CONTINUE NEXT
3 DAYS FROM CLUSTER OF SMALL DEVELOPING REGIONS APPROACHING WEST
LIMB. SLIGHT CHANCE OF MORE ENERGETIC AND PARTICLE ACTIVITY SHOULD
GROWTH RATES INCREASE.

II. GEOMAGNETIC ACTIVITY CONTINUES QUITE ACTIVE. EXPECT GRADUAL
DIMINUTION THROUGH THIS PERIOD WITH CONDITIONS REMAINING AT LEAST
UNSETTLED AT ALL TIMES.

III. EVENT PROBABILITIES 20 - 22 APRIL

CLASS M 50/40/20

CLASS X 20/10/03

PROTON 15/05/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 APRIL 89

PREDICTED 20- 22 APRIL 87/84/80

90-DAY MEAN 19 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 APRIL 26

ESTIMATED AFR/AP 19 APRIL 25/33

PREDICTED AFR/AP 20 -22 APRIL 28/39 - 17/20 - 15/17

SOLTERWARN

SPAN

BT

FLUCTUATIONS DURING THE PAST 12 HOURS. THE CLUSTER OF
HFUS BOU 202200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 110
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 APRIL 1974
IA. SOLAR ACTIVITY HAS BECOME LOW WITH ONLY MINOR PLAGE
FLUCTUATIONS DURING THE PAST 12 HOURS. THE CLUSTER OF 3 SMALL
ACTIVE REGIONS NEARING WEST LIMB (N02S13, W50W70) HAVE CEASED
GROWING. NO OTHER SIGNIFICANT REGIONS ARE VISIBLE OR EXPECTED
TO RETURN AT EAST LIMB DURING THE NEXT 3 DAYS.
IB. FLARE ACTIVITY EXPECTED AT SUBFLARE/CLASS C LEVEL WITH VERY
FEW EVENTS.
II. GEOMAGNETIC CONDITIONS HAVE BEEN AT MINOR STORM LEVEL DURING
THE PAST 24 HOURS BUT ARE NOW QUIETING TO AN UNSETTLED LEVEL.
UNSETTLED CONDITIONS SHOULD CONTINUE THROUGH ALL THIS PERIOD.
III. EVENT PROBABILITIES 21 - 23 APRIL
CLASS M 40/30/10
CLASS X 10/05/02
PROTON 03/02/02
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 20 APRIL 82
PREDICTED 21 - 23 APRIL 77/73/70
90-DAY MEAN 20 APRIL 82
V. GEOMAGNETIC A INDICES /
OBSERVED FREDERICKSBURG 19 APRIL 33
ESTIMATED AFR/AP 20 APRIL 32/46
PREDICTED AFR/AP 21 - 23 APRIL 20/24 - 17/20 - 17/20
SOLTERWARN
SPAN
BT