

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

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

I B. Solar activity will continue at a low level. A few non-eruptive sunflares 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<sub>FR/AP</sub> - / /  
PREDICTED A<sub>FR/AP</sub> - / - / - / - /

NOTE: A recent comparison between two years of Fredericksburg and Planetary Magnetic indices has shown that Ap appears higher than A<sub>FREDERICKSBURG</sub>. Therefore, both indices will be included in future forecasts. Only extrapolated A<sub>p</sub> values will be given since the computation and publication of the actual observed Ap 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 18 APRIL 26

ESTIMATED AFR/AP 19 APRIL 25/33

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

SOLTERWARN

SPAN

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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 UNSETLED LEVEL.  
UNSETLED 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

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