

HFUS 1 BOU 190600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 109A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 19 APRIL 1974

IA. NO FLARES HAVE BEEN REPORTED DURING THE PAST 8 HOURS. AN
IMPORTANCE TWO BRIGHT SURGE WHICH OCCURRED AT 18/2230Z REACHED
.19R SOLAR RADIUS ABOVE THE WEST LIMB AND WAS ACCCOMPANIED BY A
100 FLUX UNIT BURST AT 10 CM.

IB. THERE IS A POSSIBILITY THAT A LARGE FLARE IN REGION 375
BEYOND THE WEST LIMB TRIGGERED THE SURGE. IF SO, A SMALL PROTON
EVENT MAY REACH EARTH WITHIN THE NEXT 4 TO 8 HOURS. ON THE
DISK, REGION 384(S13W47) IS EXPECTED TO PRODUCE OCCASIONAL CLASS
C AND M FLARES.

II. A MINOR GEOMAGNETIC STORM CONTINUES AND IS EXPECTED TO PERSIST
THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19-21 APRIL

CLASS M 80/50/20

CLASS X 25/10/03

PROTON 30/10/03

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APRIL 97

PREDICTED 19-21 APRIL 92/86/84

90 DAY MEAN 18 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 APRIL 04

ESTIMATED AFR/AP 18 APRIL 25/35

PREDICTED AFR/AP 19 -21 APRIL 30/42 - 25/33 - 25/33

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HFUS 1 BOU 191400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 109B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 19 APRIL 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS.
REGION 384 (SI3W48) PRODUCED A BRIGHT SURGE, X-RAY CLASS M1
EVENT AT 0747Z AND CONTINUES TO SHOW MODERATE PENUMBRAL GROWTH.
REGION 379 WHICH HAS COMPLETED WEST LIMB TRANSIT HAS PRODUCED
INTERMITTENT MINOR SURGES BETWEEN SW11 AND SW20. THE EAST LIMB
AND OTHER REGION ARE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH SPORADIC
SUBFLARES LIKELY FROM REGION 384.

II. THE GEOMAGNETIC FIELD WHICH BECAME ACTIVE AT 0200Z, 18 APRIL
HAS DIMINISHED SLIGHTLY IN ACTIVITY DURING THE PAST 6 HOURS.
THE MINOR GEOMAGNETIC STORM IS EXPECTED TO DIMINISH
FURTHER OVER THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 19 - 21 APRIL

CLASS M 80/50/20

CLASS X 25/10/03

PROTON 30/10/03

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APRIL 82

PREDICTED 19 - 21 APRIL 92/86/84

90-DAY MEAN 18 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 APRIL 04

ESTIMATED AFR/AP 18 APRIL 25/35

PREDICTED AFR/AP 19 - 21 APRIL 30/42 - 25/33 - 25/33

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HFUS 1VBOU 192205

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 109

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 APRIL 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION 379 HAS COMPLETED WEST LIMB TRANSIT BUT CONTINUES TO DISPLAY MINOR INTERMITTENT ACTIVITY BETWEEN SW11 AND SW20. REGION 384 (S13W58) CONTAINS AN ARCH FILAMENT SYSTEM AND HAS SHOWN MINOR SPOT GROWTH AND FLUCTUATIONS IN PLAGE INTENSITY. A CLASS M-1 X-RAY EVENT AT 19/0727Z WAS PROBABLY THE RESULT OF A BRIGHT SURGE OBSERVED IN REGION 384 AT ABOUT THIS TIME. THE EAST LIMB AND OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. HOWEVER, THERE IS A FAIR POSSIBILITY OF INTERACTION BETWEEN REGIONS 384 AND 385 (S09W51) PRODUCING SIGNIFICANT ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 48 HOURS. IT IS EXPECTED TO BE ACTIVE BUT DIMINISHING OVER THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 20 APRIL-22 APRIL

CLASS M 60/40/20

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 83/79/77

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 20/24-17/20-15/17

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