

HFUS 1 BOU 190600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 323A

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

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE
DISK REGIONS AND THE LIMBS APPEAR QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. A FEW NON ENERGETIC
SUBFLARES ARE EXPECTED FROM REGIONS 527 (N02E31) AND 524 (N02E59).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 8 HOURS
AND IS EXPECTED TO BE UNSETTLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS 1 BOU 191500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 323B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 19 NOVEMBER 1974

IA. SOLAR ACTIVITY HAS INCREASED SOMEWHAT, BUT REMAINS AT VERY LOW LEVELS. REGION 524 (N14E26) HAS SHOWN LITTLE CHANGE WITH AN E TYPE SPOT GROUP AND A SIMPLE BETA MAGNETIC CLASSIFICATION. FLARES WERE OBSERVED AT NE11 AT 18/2335Z AND 19/0753Z, THE LATTER A BRIGHT FLARE. NEW REGION 528 HAS ROTATED OVER THE LIMB AT N06E80 AND CONTAINS AN A TYPE SPOT AND A BRIGHT PLAGE. SURGING CONTINUES ON THE NE LIMB FROM NE04 TO NE21 WITH MINOR SURGING AT SE18. THERE IS NO SIGN OF ACTIVITY AT SE11 WHERE OLD REGION 520 IS DUE TO RETURN. A C6 X-RAY EVENT FROM AN UNKNOWN SOURCE WAS OBSERVED AT 19/1245Z. THE 1-8 ANGSTROM LEVEL IS DECLINING VERY SLOWLY AND REMAINS AT C2 LEVELS.

IB. WITH THE INCREASED ACTIVITY ON THE NE LIMB, THERE IS NOW A GOOD CHANCE OF A CLASS M EVENT DURING THE NEXT 3 DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED DURING THE LAST 24 HOURS WITH LITTLE CHANGE EXPECTED TODAY. HOWEVER, ACTIVE CONDITIONS ARE EXPECTED TO RETURN ON 20 NOVEMBER.

III. EVENT PROBABILITIES 19 NOV - 21 NOV

CLASS M 30/35/35

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOV 91

PREDICTED 19 NOV - 21 NOV 103/107/109

90-DAY MEAN 18 NOV 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 NOV 09

ESTIMATED AFR/AP 18 NOV 05/08

PREDICTED AFR/AP 19 NOV - 21 NOV 07/08 - 20/24 - 20/24

SOLTERWARN

BT

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 323

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

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGION 524
(N13E21) HAS NOT CHANGED SIGNIFICANTLY DURING THE LAST 24 HOURS
AND STILL CONTAINS AN E TYPE SPOT GROUP AND A SIMPLE BETA MAGNETIC
CLASSIFICATION. THIS REGION PRODUCED TWO SMALL SUBFLARES
DURING THE LAST 24 HOURS. FLARES WERE OBSERVED AT NE11 AT 18/2335Z
AND 19/0735Z, THE LATTER FLARE OF BRIGHT INTENSITY. REGION 528
(N07E77) ROTATED OVER THE NE LIMB WITH A SMALL A TYPE SPOT GROUP,
BUT SURGING CONTINUES FROM NE02-15, SUGGESTING POSSIBLE ADDITIONAL
REGIONS BEHIND 528. SMALL SURGES HAVE ALSO BEEN OBSERVED AT SE18
AND SE12, THE LATTER AREA POSSIBLY INDICATING THE RETURN OF OLD
REGION 520 WHICH PRODUCED AN X EVENT ON 05 NOV. A LONG LIVED
CLASS C6 X-RAY EVENT WAS OBSERVED EARLIER TODAY WITH A MAXIMUM
AT 1245Z, BUT NO OPTICAL EVENTS WERE NOTED AT THIS TIME.
IB. WITH THE ROTATION OF ACTIVE REGIONS OVER THE EAST LIMB, THERE
IS NOW A FAIR CHANCE OF A CLASS M EVENT DURING THE NEXT 3 DAYS.
II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST 24 HOURS.
A RECURRENT DISTURBANCE SHOULD BRING ACTIVE CONDITIONS THROUGH THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 20 NOV -22 NOV

CLASS M 25/25/25

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 NOV 98

PREDICTED 20-22 NOV 102/104/106

90-DAY MEAN 19 NOV 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 NOV 05

ESTIMATED AFR/AP 19 NOV 08/08

PREDICTED AFR/AP 20-22 NOV 20/24 - 20/24 - 20/24

SOLTERWARN

BT