

HFUS 3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 019

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 JAN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100
TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. THE
LARGEST EVENT DURING THE PERIOD WAS A C1/0B FLARE FROM REGION
4394(S04E33) AT 19/1345Z MAXIMUM. NO NEW REGIONS ARE OBSERVED.
OLD REGION 4384 IS DUE TO RETURN EARLY ON 20 JAN. REGION 4394
HAS GAINED ADDITIONAL SPOTS. REMAINING REGIONS APPEAR QUIET
AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z:
THE GEOMAGNETIC FIELD BECAME ABRUPTLY ACTIVE EARLY ON 19 JAN.
ACTIVITY IS SLOWLY DECREASING AT FORECAST TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE INITIALLY AND TO DECLINE TO
GENERALLY UNSETTLED CONDITIONS FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 JAN-22 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JAN 097

PREDICTED 20 JAN-22 JAN 094/091/090

90 DAY MEAN 19 JAN 094

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 JAN 005/008

ESTIMATED AFR/AP 19 JAN 015/020

PREDICTED AFR/AP 20 JAN-22 JAN 015/020-012/015-012/015

SOLTERWARN

BT