

HFUS 1 BOU 001400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 020A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 20 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

19/1200UT TO 20/1200UT:

SOLAR ACTIVITY HAS CONTINUED EXTREMELY LOW. THERE HAVE BEEN ONLY THREE X-RAY EVENTS AND TWO SUBFLARES REPORTED IN THE PAST 24 HOURS, ALL VERY SMALL. MINOR FLARE GROWTH HAS OCCURRED IN REGION 2894 (N06W20) AND IN THE VICINITY OF REGION 2899 (S22E09). AT LEAST FOUR MINOR REGIONS ARE NEAR OR CROSSING EAST LIMB BETWEEN N20 AND S15.

IB. SOLAR ACTIVITY FORECAST:

ACTIVITY WILL CONTINUE AT MINIMAL LEVEL UNTIL THE END OF THIS 3-DAY PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET FOR THE PAST 24 HOURS. QUIET CONDITIONS ARE EXPECTED TO GIVE WAY TO UNSETTLED CONDITIONS LATE TODAY AND BECOME SLIGHTLY ACTIVE FOR THE FOLLOWING TWO DAYS.

III. EVENT PROBABILITIES: 21-23 JANUARY

CLASS M 10/20/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 19 JAN 171

ESTIMATED 20 JAN 175

PREDICTED 21-23 JAN 175/175/180

90 DAY MEAN 20 JAN 209

V. GEOMAGNETIC A INDICES

OBSERVED AFR 18 JAN 02 AFR 19 JAN 05

ESTIMATED AFR 19 JAN 04 AFR/AP 20 JAN 04/06

PREDICTED AFR/AP 21-23 JAN 15/12 12/10 08/10

SOLTERWARN

BT

HFUS 3 BOU 202100
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 0208

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200UT 20 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
20/1200UT TO 20/2200UT:

SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY QUIET. THE FIELD IS
EXPECTED TO BECOME UNSETTLED TO MILDLY ACTIVE ON 21 JANUARY.

III. EVENT PROBABILITIES: 21 JANUARY - 23 JANUARY 1981

CLASS M 10/20/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 20 JANUARY 167

PREDICTED 21-23 JANUARY 170/173/175

90 DAY MEAN 20 JANUARY 208

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 JANUARY 02/05

ESTIMATED AFR/AP 20 JANUARY 04/05

PREDICTED AFR/AP 21-23 JANUARY 15/12 12/10 08/10

SOLTERWARN

BT