

HFUS 3 BOU 22 1400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 35 7A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 22 DECEMBER 1980

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. THE LARGEST EVENT DURING THE PAST 24 HOURS WAS A C6 AT 22/0204Z WITH SIMULTANEOUS SUBFLARES IN REGIONS 2841 (N 13W59) AND 2843 (N 06W43). ALL THE DISK REGIONS CURRENTLY ARE RECORDED AS SIMPLE IN MAGNETIC STRUCTURE AS BORNE BY THE DECREASING FREQUENCY OF X-RAY BURSTS. CULGOORA REPORTS SUNSPOT GROWTH IN REGIONS 2852 (N 04E 15) AND 2854 (N 29E 56) AND ALSO SUNSPOTS AND DULL PLAGE NEAR S 26° 78' WHERE LEARMONTH REPORTED SURGING YESTERDAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO SLIGHTLY ACTIVE DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSETLED WITH SHORT PERIODS OF ACTIVE CONDITIONS POSSIBLE 24 DECEMBER.

III. EVENT PROBABILITIES: 23-25 DEC

CLASS M 15/10/10

CLASS X 01/01/01

PREDICTED 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 21 DEC 232

ESTIMATED 22 DEC 228

PREDICTED 23-25 DEC 215/205/198

90 DAY MEAN 21 DEC 213

V. GEOMAGNETIC ACTIVITIES

OBSERVED AFR 20 DEC 18 AP 21 DEC 17

ESTIMATED AFR 21 DEC 16 AFR/AP 22 DEC 10/12

PREDICTED AFR/AP 23-25 DEC 08/12 12/12 08/12

SOLTERWARN

BT

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 357B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200UT 22 DECEMBER 1980

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ALL THE DISK REGIONS CURRENTLY ARE RECORDED AS SIMPLE IN MAGNETIC STRUCTURE AS BORNE BY THE DECREASING FREQUENCY OF X-RAY BURSTS. CULGOORA REPORTS SUNSPOT GROWTH IN REGIONS 2852 (N04E15) AND 2854 (N29E56) AND ALSO SUNSPOTS AND DULL PLAGE NEAR S26E78, WHERE LEARMONT REPORTED SURGING YESTERDAY. THIS REGION IS NUMBER 2855.

ADDITIONS TO THE 22/1200Z: NONE

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETLED AND NO SIGNIFICANT CHANGE IS EXPECTED.

III. EVENT PROBABILITIES: 23 DEC - 25 DEC

CLASX M 15/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 22 DEC 239

PREDICTED 23-25 DEC 230/225/220

90 DAY MEAN 22 DEC 214

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 21 DEC 24/17

ESTIMATED AFR/AP 22 DEC 10/12

PREDICTED AFR/AP 23-25 DEC 08/12 12/12 08/10

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