

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 SIM-  
ULTANEOUS SUBFLARES IN REGIONS 2841 (N13W59) AND 2843 (N06W43).  
ALL THE DISK REGIONS CURRENTLY ARE RECORDED AS SIMPLE IN MAG-  
NETIC 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 FLARE NEAR S26E78  
WHERE LEARMONTH REPORTED SURGING YESTERDAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE FORE-  
CAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE  
DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY  
UNSETTLED 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

PROTON 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 A INDICES

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 STRUC-  
TURE 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 FLARE NEAR S26E78  
WHERE LEARMONTH 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 UNSETTLED AND NO SIG-  
NIFICANT 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

SOLTERWARN

BT