

HFUS 3 BOU 29 1400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 334A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1200UT 29 NOVEMBER 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE WITH A M2 XRAY EVENT AT 28/1442Z WHICH APPEARED TO BE ASSOCIATED WITH SURGING AT S19 EAST LIMB. THIS IS THE LOCATION OF OLD ACTIVE REGION 2782 WHICH IS DUE TO RETURN TODAY. REGION 2810 (S10E54) CONTINUES TO GROW AND PRODUCE SEVERAL SUBFLARES A DAY BUT NO LARGE EVENTS. REGION 2812 (N16W09) NOW HAS A D TYPE SPOT GROUP AND IS GROWING RAPIDLY. NO SIGNIFICANT ACTIVITY HAS BEEN OBSERVED IN THE OTHER REGIONS ON THE DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE. ISO-LATED CLASS M XRAY EVENTS ARE POSSIBLE FROM REGION 2810.

II. THE GEOMAGNETIC FIELD REMAINS UNSETTLED WITH ACTIVE PERIODS. THE FIELD IS EXPECTED TO BECOME LESS ACTIVE IN THE NEXT 24 HOURS AND TO BE UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 30 NOV - 02 DEC

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 28 NOV 197

ESTIMATED 29 NOV 208

PREDICTED 30 NOV-02 DEC 212/215/218

90 DAY MEAN 28 NOV 203

V. GEOMAGNETIC A INDICES

OBSERVED AFR 27 NOV 13 AP 28 NOV 23

ESTIMATED AFR 28 NOV 16 AFR/AP 29 NOV 16/22

PREDICTED AFR/AP 30 NOV-02 DEC 10/10 10/10 12/13

SOLTERWARN

BT

HFUS 1 BOU 292200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 3348

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 29 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE WITH A M2 XRAY EVENT AT
20/1442Z WHICH APPEARED TO BE ASSOCIATED WITH SURGING
AT S19 EAST LIMB. THIS IS THE LOCATION OF OLD ACTIVE REGION 2782
WHICH IS DUE TO RETURN TODAY. REGION 2810 (S10E54) CON-
TINUES TO GROW AND PRODUCE SEVERAL SUBFLARES A DAY BUT NO
LARGE EVENTS. REGION 2812 (N16W29) NOW HAS A D TYPE SPOT
GROUP AND IS GROWING RAPIDLY. NO SIGNIFICANT ACTIVITY HAS
BEEN OBSERVED IN THE OTHER REGIONS ON THE DISK. ADDITIONS
TO 1200 UT PART IA: NO SIGNIFICANT DEVELOPMENTS SINCE 1200 UT.
REGION 2810 HAS CONTINUED ITS GROWTH IN AREA (NOW AT 600
MILLIONTHS).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE. ISO-
LATED CLASS M XRAY EVENTS ARE POSSIBLE FROM REGION 2810.

II. THE GEOMAGNETIC FIELD REMAINS UNSETTLED WITH ACTIVE PERIODS.
THE FIELD IS EXPECTED TO BECOME LESS ACTIVE IN THE NEXT 24 HOURS
AND TO BE UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 30 NOV - 02 DEC

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 29 NOV 220

PREDICTED 30 NOV-02 DEC 215/218/221

90 DAY MEAN 29 NOV 204

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 NOV 13/23

ESTIMATED AFR/AP 29 NOV 16/18

PREDICTED AFR/AP 30 NOV-02 DEC 10/10 10/10 12/13

SOLTERWARN

BT