

HFUS 3 BOU 101400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 3454

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 10 DEC 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.

THE ONLY M-CLASS EVENT OF THE DAY (M1) REACHED MAX AT 10/0958UT

(SOURCE REGION UNKNOWN). REGION 2826 (N15E29 AT 10/1200UT)

ACCOUNTED FOR THE MAJORITY OF FLARE ACTIVITY, ALL OF IT IN THE

SUBFLARE CATEGORY. THIS REGION HAS GROWN DURING THE PAST 24

HOURS, BUT SPOT AREA/NUMBER IS STILL ONLY 120/15. FIVE NEW

REGIONS WERE NUMBERED ON 9 DEC, BUT THESE REGIONS, AS WELL AS

ALL OTHER REGIONS BESIDES 2810, ARE UNIMPRESSIVE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. THE M1 EVENT MAY

HAVE BEEN PRODUCED BY A REGION BEHIND THE EAST LIMB. MAJOR

FLARES FROM REGIONS CURRENTLY ON THE DISK ARE NOT LIKELY.

II. GEOMAGNETIC ACTIVITY HAS BEEN UNSETTLED FOR THE PAST 24

HOURS. THIS PATTERN IS LIKELY TO CONTINUE FOR AT LEAST 72 HOURS.

III. EVENT PROBABILITIES: 11-13 DEC

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 09 DEC 181

ESTIMATED 10 DEC 184

PREDICTED 11-13 DEC 186/188/190

90 DAY MEAN 09 DEC 202

V. GEOMAGNETIC INDICES

OBSERVED AFR 08 DEC 08 AP 09 DEC 08

ESTIMATED AFR 09 DEC 08 AFR/AP 10 DEC 09/09

PREDICTED AFR/AP 11-13 DEC 10/12 10/12 10/12

SOLTERWARN

BT

HFUS 1800 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 345B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200UT 10 DECEMBER 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
THE ONLY M-CLASS EVENT OF THE DAY (M1) REACHED MAX AT 10/0958UT
(SOURCE REGION UNKNOWN). REGION 2826 (N15E29 AT 10/1200UT)
ACCOUNTED FOR THE MAJORITY OF FLARE ACTIVITY, ALL OF IT IN THE
SUBFLARE CATEGORY. THIS REGION HAS GROWN DURING THE PAST 24
HOURS, BUT SPOT AREA/NUMBER IS STILL ONLY 120/15. FIVE NEW
REGIONS WERE NUMBERED ON 9 DEC, BUT THESE REGIONS ARE UNPRES-
SIVE AND QUIET.

ADDITIONS TO 1200Z: NO SIGNIFICANT ACTIVITY HAS OCCURRED DURING
THE PAST 10 HOURS NOR ARE THERE ANY SIGNIFICANT CHANGES ON THE
SOLAR DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. THE M1 EVENT MAY
HAVE BEEN PRODUCED BY A REGION BEHIND THE EAST LIMB. MAJOR
FLARES FROM REGIONS CURRENTLY ON THE DISK ARE NOT LIKELY.

II. GEOMAGNETIC ACTIVITY HAS BEEN UNSETTLED FOR THE PAST 24
HOURS. THIS PATTERN IS LIKELY TO CONTINUE FOR AT LEAST 72 HOURS.

III. EVENT PROBABILITIES: 11-13 DEC

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 10 DEC 186

PREDICTED 11-13 DEC 190/192/194

30 DAY MEAN 10 DEC 202

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 DEC 10/08

ESTIMATED AFR/AP 10 DEC 09/08

PREDICTED AFR/AP 11-13 DEC 10/10 10/12 10/10

SOLTERWARM

BT