

HFUS 3 BOW 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 29 1A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200Z 17 OCTOBER 1980

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. CLASS C
SUBFLARES OCCURRED IN SEVERAL REGIONS BUT NO SIGNIFICANT
EVENTS WERE OBSERVED. REGION 2724 (N12W88) IS PRODUCING
SMALL FLARES AND BRIGHT SURGES AS IT ROTATES BEYOND WEST LIMB.
REGION 2725 (S10W45) APPEARS TO BE RESTRUCTURING AND IT
REMAINS COMPLEX. REGION 2734 (S28E00) HAS PRODUCED SEVEN
CLASS C SUBFLARES IN THE PAST 24 HOURS. IT IS A SMALL BUT
GROWING REGION LOCATED JUST SOUTH OF A LARGE FILAMENT WHICH
HAS BECOME ACTIVE IN THE PAST 24 HOURS. TWO NEW REGIONS
WERE NUMBERED TODAY: REGION 2743 (S21E60) AND REGION 2744
(S16E76). REGION 2744 APPEARS TO CONTAIN A MODERATE SIZE
SPOT GROUP. SURGING AT S10 EAST LIMB INDICATES AN INTERESTING
REGION MAY BE JUST BEHIND THE LIMB.

IB. MODERATE TO HIGH SOLAR ACTIVITY IS POSSIBLE FROM REGION
2725 DURING THE NEXT THREE DAYS. MAJOR FLARES ARE NOT
EXPECTED FROM ANY OF THE OTHER REGIONS ON THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS
AND IS EXPECTED TO BE QUIET TO SLIGHTLY UNSETTLED THE NEXT
THREE DAYS. LOW ENERGY PROTONS RETURNED TO BACKGROUND LEVEL
AFTER 161200 UT.

III. EVENT PROBABILITIES 18 OCTOBER - 20 OCTOBER

CLASS M 85/85/85

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCTOBER 216

ESTIMATED 17 OCTOBER 206

PREDICTED 18-20 OCTOBER 194/188/184

90-DAY MEAN 16 OCTOBER 186

V. GEOMAGNETIC A INDICES

OBSERVED AFR 15 OCTOBER 12 AP 16 OCTOBER 05

ESTIMATED AFR 16 OCTOBER 03 AFR/AP 17 OCTOBER 05/08

PREDICTED AFR/AP 18-20 OCTOBER 06/08 - 08/10 - 06/08

SOLTERWARN

BT

HFJUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SOF NUMBER 291B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 OCTOBER 1980

IA. SOLAR ACTIVITY WAS AT MODERATE LEVELS DURING THE PAST
24 HOURS WITH ONE M-CLASS EVENT.

IB. MODERATE LEVELS OF SOLAR ACTIVITY WILL CONTINUE
THROUGH THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD WAS QUIET AND IS FORECAST TO
REMAIN QUIET.

III. EVENT PROBABILITIES 18 OCTOBER - 20 OCTOBER

CLASS M 85/85/85

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 OCTOBER 203

PREDICTED 18-20 OCTOBER 194/188/186

90-DAY MEAN 17 OCTOBER 186

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 OCTOBER 04/05

ESTIMATED AFR/AP 17 OCTOBER 04/06

PREDICTED AFR/AP 18-20 OCTOBER 06/08 - 08/10 - 06/08

SOLTERWARN

BT