

HFUS 3 BOH 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 2914

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

I. 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 RESTRICTURING (AND IT REMAINS COMPLEX). REGION 2734 (S2SE00) HAS PRODUCED SEVEN CLASS C SURFLARES 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 (S16E70). 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.

II. 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.

III. 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 16/1200 UT.

III. EVENT PROBABILITIES 18 OCTOBER - 20 OCTOBER

CLASS M 85/85/85

CLASS X 10/10/10

PREDICTED 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 ACTIVITIES

OBSERVED AFR 15 OCTOBER 12 AFR/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

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HFUS 1 BOU 1722 00
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER: 291B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 OCTOBER 1980

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

I B. 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

SOLAR TIERWARN

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