

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 289

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 16 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100
TO 16/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. REGION 4698

(N05E68) HAS PRODUCED WEAK ACTIVITY IN THE FORM OF A SUB-FAINT
FLARE AT 1747Z. THE REGION EXHIBITED VISIBLE GROWTH DURING THE
PAST 24 HOURS. REGION 4697 (S17W33) CONTINUES TO DECAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. THE POSSIBILITY OF OCCASIONAL C-CLASS EVENTS
WILL CONTINUE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED. MINOR STORM
CONDITIONS EXISTED AT HIGH LATITUDES FROM 0300-1330Z. THE STORM
CONDITIONS ARE SUSPECTED TO BE A RESULT OF CONTINUED CORONAL
HOLE-DISAPPEARING FILAMENT INFLUENCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE TO UNSETTLED WITH PERIODS OF MINOR STORM
LEVELS THE FIRST HALF OF THE FORECAST PERIOD. THE GEOMAGNETIC
RESPONSE IS EXPECTED TO DIMINISH BY THE END OF THE SECOND DAY.

III. EVENT PROBABILITIES 17 OCT-19 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCT 074

PREDICTED 17 OCT-19 OCT 075/076/076

90 DAY MEAN 16 OCT 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 OCT 020/025

ESTIMATED AFR/AP 16 OCT 018/024

PREDICTED AFR/AP 17 OCT-19 OCT 020/025-020/025-015/020

SOLTERWARN

BT