

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 292

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4586 (N05E11) HAS NOT CHANGED SIGNIFICANTLY SINCE THE LAST REPORT. THE SPOT GROUP OF THIS REGION REMAINS AN E-TYPE SPOT GROUP WITH A SIMPLE BETA MAGNETIC CONFIGURATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT VERY LOW LEVELS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE WITH ISOLATED PERIODS AT STORM LEVELS AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO MINOR STORM ON THE 19TH OF OCTOBER. ON THE 20TH THE FIELD SHOULD CLIMB TO MINOR STORM LEVELS, WITH ISOLATED PERIODS AT MAJOR STORM LEVELS. ACTIVE TO MINOR STORM LEVELS ARE EXPECTED ON THE 21ST. THIS ACTIVITY IS FORECAST DUE TO A CORONAL HIGH SPEED STREAM THAT IS EXPECTED TO IMPACT THE GEOMAGNETIC FIELD ON THE 20TH OF OCTOBER.

III. EVENT PROBABILITIES 19 OCT-21 OCT

CLASS M 03/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 OCT 077

PREDICTED 19 OCT-21 OCT 078/079/079

90 DAY MEAN 18 OCT 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 OCT 002/006

ESTIMATED AFR/AP 18 OCT 025/035

PREDICTED AFR/AP 19 OCT-21 OCT 019/035-030/035-028/035

SOLTERWARN