

HFUS3 BOU 172200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 291

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. GROWTH IN REGION 4586 (N05E25) HAS CONTINUED. THIS REGION NOW CONTAINS AN E-TYPE SPOT GROUP WITH A SIMPLE BETA MAGNETIC CONFIGURATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4586 IS STILL THE ONLY REGION ON THE DISK CAPABLE OF PRODUCING SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE FOR THE FIRST TWO DAYS OF THE FORECAST PERIOD. ON THE 20TH OF OCTOBER THE FIELD SHOULD CLIMB TO STORM LEVELS AS A LARGE CORONAL HOLE IS EXPECTED TO IMPACT THE GEOMAGNETIC FIELD AT THAT TIME.

III. EVENT PROBABILITIES 18 OCT-20 OCT

CLASS M 03/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 OCT 077

PREDICTED 18 OCT-20 OCT 077/078/079

90 DAY MEAN 17 OCT 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 OCT 019/022

ESTIMATED AFR/AP 17 OCT 006/010

PREDICTED AFR/AP 18 OCT-20 OCT 015/015-019/025-030/035

SOLTERWARN

BT