

HFUS3 BOU 162200 COR
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 321
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
CORRECTED COPY
ISSUED 2200Z 16 NOV 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. ALL CURRENT REGIONS ON THE VISIBLE DISK ARE QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVELS AT ALL LATITUDES SINCE 2230UT ON 15 NOV. THE MID-LATITUDES HAVE BECOME MINOR STORM LEVELS SINCE 1800UT ON 16 NOV WHILE THE HIGH-LATITUDES REMAIN AT MAJOR STORM LEVELS. THIS ACTIVITY IS ATTRIBUTED TO A HIGH SPEED STREAM OF A POSITIVE POLARITY SOUTHERN CORONAL HOLE WHICH IS A RECURRENCE PATTERN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR STORM LEVELS WITH INCREASING ACTIVITY DURING NIGHTTIME SECTORS AT MID-LATITUDES AND MAJOR STORM LEVELS AT THE HIGH-LATITUDES.

III. EVENT PROBABILITIES 17 NOV-19 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 NOV 072

PREDICTED 17 NOV-19 NOV 073/073/073

90 DAY MEAN 16 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 NOV 033/051

ESTIMATED AFR/AP 16 NOV 080/125

PREDICTED AFR/AP 17 NOV-19 NOV 040/045-035/035-025/030

SOLTERWARN

BT