

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 319

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 NOV 1984

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS. A NEW REGION OBSERVED TODAY NUMBERED 4595 (S05E37) IS A SIMPLE B TYPE GROUP AT THIS TIME.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED WITH A BRIEF PERIOD OF ACTIVE LEVELS AROUND 1500UT AT THE MID LATITUDES AND MINOR TO MAJOR STORM LEVELS AT THE HIGH LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE AT MID LATITUDE AND ACTIVE TO MINOR STORM LEVELS AT THE HIGH LATITUDE SITES. ALL LATITUDES SHOULD EXPERIENCE INCREASED ACTIVITY DURING NIGHTTIME SECTORS. THIS IS DUE TO RECURRENCE OF CORONAL ACTIVITY.

III. EVENT PROBABILITIES 15 NOV-17 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 NOV 074

PREDICTED 15 NOV-17 NOV 074/074/074

90 DAY MEAN 14 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 NOV 007/010

ESTIMATED AFR/AP 14 NOV 013/015

PREDICTED AFR/AP 15 NOV-17 NOV 040/030-025/035-025/035

SOLTERWARN

BT