

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 182

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY HAS BEEN LOW. ALL OPTICAL FLARES REPORTED HAVE OCCURRED IN REGION 4525 (N13E53). X-RAY BURSTS REMAIN AT A LOW CLASS C LEVEL. MOST OF THE FLARES HAVE BEEN ASSOCIATED WITH AN ACTIVE FILAMENT IN THE NORTH CENTRAL PORTION OF THE REGION. SOME SUNSPOT GROWTH HAS OCCURRED IN REGION 4525; HOWEVER, IT REMAINS A SIMPLE BIPOLE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AT MID LATITUDES AND INTERMITTENTLY ACTIVE AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED, BUT WITH ACTIVE PERIODS, THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 JUL-03 JUL

CLASS M 01/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUN 098

PREDICTED 01 JUL-03 JUL 098/096/096

90 DAY MEAN 30 JUN 119

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 JUN 012/014

ESTIMATED AFR/AP 30 JUN 011/020

PREDICTED AFR/AP 01 JUL-03 JUL 015/025-015/025-012/015

SOLTERWARN

BT