

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 165

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4511 (S08E32) HAS SHOWN SLIGHT GROWTH AND IS NOW A C TYPE SPOT GROUP WITH RUDIMENTARY PENUMBRA. AN ARCH FILAMENT SYSTEM WAS OBSERVED IN THIS REGION. REGION 4509 (S11W04) HAS DECAYED SLIGHTLY AND IS NOW A B TYPE SPOT GROUP. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4513 (S07E62), A B TYPE SPOT GROUP. THE REMAINDER OF THE DISK APPEARS STABLE AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD. PROBABILITIES FOR SIGNIFICANT FLARE ACTIVITY MAY BE INCREASED IF OLD REGION 4492 (CARRINGTON 357) RETURNS AS AN IMPRESSIVE SPOT GROUP.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 JUN-16 JUN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JUN 096

PREDICTED 14 JUN-16 JUN 099/103/105

90 DAY MEAN 13 JUN 124

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JUN 007/012

ESTIMATED AFR/AP 13 JUN 004/015

PREDICTED AFR/AP 14 JUN-16 JUN 010/015-015/020-015/025

SOLTERWARN

BT