

HFUS3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 155

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY HAS BEEN LOW. ONLY OCCASIONAL LOW LEVEL CLASS C FLARES HAVE OCCURRED - ALL IN REGION 4500 (S11W32). THIS REGION CONTINUES ITS SLOW DECAY. HOWEVER, A SMALL POCKET OF TRAILER POLARITY REMAINS ON THE NORTH SIDE OF THE LARGE LEADER SUNSPOT. REGION 4508 (N05E64) HAS EXTENSIVE PLAGE BUT ONLY A LARGE TRAILER PENUMBRAL SUNSPOT IS VISIBLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED UNTIL 0700Z. SINCE THEN THE FIELD HAS BEEN AT ACTIVE TO STORM LEVELS. MOST PROBABLE SOURCE FOR THIS DISTURBANCE IS THE WEST LIMB PROTON FLARE WHICH OCCURRED ON 31 MAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE CURRENT DISTURBANCE IS EXPECTED TO CONTINUE UNTIL NEAR 04/1200Z. THE FIELD IS THEN EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 JUN-06 JUN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JUN 107

PREDICTED 04 JUN-06 JUN 106/105/104

90 DAY MEAN 03 JUN 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 JUN 011/016

ESTIMATED AFR/AP 03 JUN 025/025

PREDICTED AFR/AP 04 JUN-06 JUN 015/020-012/015-015/015

SOLTERWARN

BT

*Sol quiet  
Mag quiet*