

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*