

FUS 3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 102
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 12 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100
TO 12/2100Z: SOLAR ACTIVITY CONTINUES LOW. REGION 4137 (S09W66)
RETAINS ITS ARCH FILAMENT SYSTEM AND SHOWS FLUCTUATIONS AND
POINT BRIGHTENINGS BUT THE SPOT GROUP HAS DECAYED TO A SMALLER
TYPE B GROUP. REGION 4138 (S16W22) LIKEWISE IS DECAYING. REGION
4143 (S12W04) HAS DEVELOPED ADDITIONAL SPOTS IN ITS LEADER
SECTION WHILE GROWING ONLY MINUTELY IN AREA. REGION 4144
(N22E66) ROTATED ONTO THE DISK EARLIER TODAY AND THUS FAR IS
ONLY A SMALL A TYPE GROUP. NO OTHER DISK CHANGES NOTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT A
LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:
THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: UNSETTLED TO ACTIVE
CONDITIONS SHOULD CONTINUE. A CORONAL HOLE IS BECOMING MORE
FAVORABLY LOCATED FOR AFFECTING THE GEOMAGNETIC FIELD BUT NO
MAJOR ACTIVITY IS EXPECTED AT THIS TIME.

III. EVENT PROBABILITIES 13 APR-15 APR

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 APR 107
PREDICTED 13 APR-15 APR 107/107/110
90 DAY MEAN 12 APR 122

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 APR 009/010
ESTIMATED AFR/AP 12 APR 012/015
PREDICTED AFR/AP 13 APR-15 APR 014/015-012/015-012/015

SOLTERWARN

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