

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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