

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

BT