

FUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 098

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. SPORADIC CLASS C XRAY BURSTS AND SUBFLARES ARE OCCURRING IN THREE OF THE FOUR DISK REGIONS. REGION 4138 (S15E31) , WHICH IS THE LARGEST VISIBLE REGION, IS STILL SHOWING SLOW GROWTH WHILE 4137 (S10W12) AND 4140 (S08E48) APPEAR TO HAVE STAGNATED. REGION 4135 (S12W02) REGAINED ITS SPOT GROUP AND 4127 ROTATED FROM VIEW.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW. HOWEVER, CONTINUED GROWTH IN 4138 COULD ENHANCE THE PROBABILITIES IN A DAY OR TWO. ALSO, THE RETURN OF OLD REGION 4116 COULD MAKE A CONTRIBUTION BY 10 APRIL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD EXPERIENCED TWO PERIODS OF MINOR STORM CONDITIONS DURING THE PAST 24 HOURS: 08/0600-0900Z AND 08/1200-1500Z. UNSETTLED TO ACTIVE CONDITIONS PREVAILED AT OTHER TIMES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: CONTINUED UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED WITH BRIEF PERIODS OF MINOR STORM CONDITIONS A POSSIBILITY.

III. EVENT PROBABILITIES 09 APR-11 APR

CLASS M 05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 APR 106

PREDICTED 09 APR-11 APR 106/103/103

90 DAY MEAN 08 APR 124

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 APR 024/030

ESTIMATED AFR/AP 08 APR 023/045

PREDICTED AFR/AP 09 APR-11 APR 018/030-015/020-015/020

SOLTERWARN

BT