

FUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 096

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY HAS REMAINED LOW WITH ONLY AN OCCASIONAL LOW LEVEL X-RAY BURST. REGION 4127 (S16W71) HAS HAD A DRAMATIC STRUCTURAL DECREASE; THE DELTA CONFIGURATION NO LONGER EXISTS. BOTH REGIONS 4137 (S10E16) AND 4138 (S15E58) ARE CONTINUING A GROWTH IN SUNSPOT COUNT WHILE REGION 4135 (S12E23) IS SLOWLY CHANGING ITS ~~NEUTRL~~ LINE CONFIGURATION. REGION 4139 (S06W18) IS EMERGING TODAY. REGION 4140 (S08E76) ROTATED ON TO THE DISK; HOWEVER, ITS PLAGE IS DULL.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT MID LATITUDES WHILE HIGH LATITUDES HAVE EXPERIENCED PERIODS AT STORM LEVEL.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE STRONGLY ACTIVE WITH SUSTAINED PERIODS AT STORM LEVEL THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 APR-09 APR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 APR 099

PREDICTED 07 APR-09 APR 098/095/093

90 DAY MEAN 06 APR 125

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 APR 014/017

ESTIMATED AFR/AP 06 APR 023/032

PREDICTED AFR/AP 07 APR-09 APR 035/035-045/045-028/030

SOLTERWARN

BT