

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 099

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4644 (S04W25) IS THE ONLY SPOTTED REGION ON THE DISK AS A BXO TYPE IN WHITE LIGHT WITH A BETA MAGNETIC CLASSIFICATION. REGION 4643 (S16W05), A PLAGE REGION, DID PRODUCE A SUB-FAINT FLARE AT 1527UT, BUT THE REST OF THE DISK AND LIMBS WERE QUIET. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. NO RETURNING REGIONS ARE EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM CONDITIONS FOR THE PAST 24 HOURS. A GRADUAL STORM COMMENCEMENT HAD BEGUN BY 0000UT ON 09 APR 85 WITH MINOR STORM LEVELS. ISOLATED PERIODS OF MAJOR STORM CONDITIONS THEN ENSUED AT HIGH LATITUDES. THIS ACTIVITY IS PROBABLY RELATED TO A DISAPPEARING FILAMENT WHICH OCCURRED AT 1710UT 04 APR 85 AT S29E08 (REGION 4640) AND WAS SIX (6) DEGREES IN EXTENT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS EARLY ON THE FIRST DAY OF THE FORECAST PERIOD. UNSETTLED CONDITIONS ARE THEN EXPECTED FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 APR-12 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 APR 069

PREDICTED 10 APR-12 APR 070/070/070

90 DAY MEAN 09 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 APR 014/015

ESTIMATED AFR/AP 09 APR 025/048

PREDICTED AFR/AP 10 APR-12 APR 015/025-010/015-008/015

SOLTERWARN

BT