

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 063

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL. NO SPOTTED REGIONS ARE VISIBLE AND THE SUN IS NEARLY FEATURELESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD WAS BASICALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME ACTIVE EARLY IN THE FORECAST PERIOD. THIS INCREASE IS EXPECTED AS A RESULT OF A SOUTHERN CORONAL HOLE WHOSE LEADING EDGE IS NOW LOCATED NEAR S20 W30. THIS HOLE APPEARS TO BE FURTHER FROM THE EQUATOR THIS ROTATION AND IS STRETCHED MORE EAST-WEST (STRETCHES FROM E10 TO W30) THAN ON PREVIOUS ROTATIONS.

III. EVENT PROBABILITIES 05 MAR-07 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAR 070

PREDICTED 05 MAR-07 MAR 070/070/070

90 DAY MEAN 04 MAR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 MAR 013/016

ESTIMATED AFR/AP 04 MAR 011/011

PREDICTED AFR/AP 05 MAR-07 MAR 025/030-020/025-015/020

SOLTERWARN-

BT