

HFUS3 BOU 03E200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 093

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. HOWEVER, REGION 4637 (N06W87) WHICH IS NEARING WEST LIMB PASSAGE HAS PRODUCED SEVERAL SUBFLARES IN THE PAST 12 HOURS. NO SIGNIFICANT XRAY EMISSIONS ACCOMPANIED ANY OF THESE FLARES. REGION 4042 (S21E27) HAS GROWN SLIGHTLY AND ONE ADDITIONAL SPOT IS NOW VISIBLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED WITH BRIEF MINOR STORM CONDITIONS BETWEEN 0000 AND 0300Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT TWO DAYS THEN BASICALLY UNSETTLED.

III. EVENT PROBABILITIES 04 APR-06 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 APR 072

PREDICTED 04 APR-06 APR 072/071/070

90 DAY MEAN 03 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 APR 016/019

ESTIMATED AFR/AP 03 APR 016/021

PREDICTED AFR/AP 04 APR-06 APR 013/020-010/015-010/010

SOLTERWARN

BT