

HFUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 100

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY IS LOW. ONE REGION 4116 RETURNED TO THE EAST LIMB AS A SIMPLE H TYPE SPOT AND IS NUMBERED 4142 (S04E74). THE OTHER DISK REGIONS ARE BASICALLY QUIET AND THIS FACT IS REFLECTED BY A SUB-C-XRAY BACKGROUND.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW. NONE OF THE DISK REGIONS APPEAR CAPABLE OF M CLASS ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD REMAINED DISTURBED SINCE YESTERDAY. MINOR STORM CONDITIONS WERE OBSERVED FROM 10/0000-0300Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD CONTINUE DISTURBED WITH UNSETTLED TO ACTIVE CONDITIONS INTERSPERSED WITH BRIEF PERIODS OF MINOR STORM CONDITIONS.

III. EVENT PROBABILITIES: 11 APR-13 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 APR 103

PREDICTED 11 APR-13 APR 103/103/103

90 DAY MEAN 10 APR 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 APR 016/018

ESTIMATED AFR/AP 10 APR 020/020

PREDICTED AFR/AP 11 APR-13 APR 015/020-014/015-010/015

SOLTERWARN

BT