

HFUS 3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 272

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY CONTINUES LOW. ALL OPTICAL FLARES AND CORRELATED LOW LEVEL X-RAY BURSTS ARE ASSOCIATED WITH REGION 4324 (S20W20). LITTLE CHANGE HAS OCCURRED IN THE STRUCTURE OF THIS REGION. CORONAL FREQUENCIES (AT/NEAR 245 MHZ) HAVE BECOME ACTIVE WITH DISCRETE BURSTS AND A CONTINUING NOISE STORM.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS VARIED FROM QUIET TO ACTIVE PERIODS WITH THE OVERALL CONDITION BEING UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GENERALLY UNSETTLED FIELD CONDITIONS ARE EXPECTED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 SEP-02 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEP 114

PREDICTED 30 SEP-02 OCT 113/112/110

90 DAY MEAN 29 SEP 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 SEP 010/015

ESTIMATED AFR/AP 29 SEP 010/015

PREDICTED AFR/AP 30 SEP-02 OCT 010/015-013/015-012/010

SOLTERWARN:

BT