

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 271

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE PAST 24 HOURS WITH NO REGIONS BEING REPORTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO MINOR STORM LEVELS DURING THE FIRST PORTION OF THE PERIOD, SHORT PERIODS OF MAJOR STORM CONDITIONS AT THE HIGH LATITUDE SITES, AND GENERALLY ACTIVE FOR THE REMAINDER OF THE PERIOD. THIS ACTIVITY IS THOUGHT TO BE FROM A HIGH SPEED CORONAL HOLE STREAM.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT GENERALLY ACTIVE LEVELS AT BOTH THE MID AND HIGH LATITUDE SITES, SHORT PERIODS OF MINOR STORM CONDITIONS SHOULD OCCUR DURING THE NIGHT TIME SECTORS AT THE HIGH LATITUDE SITES. A GENERAL DECLINE IN ACTIVITY IS EXPECTED DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 28 SEP-30 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 SEP 073

PREDICTED 28 SEP-30 SEP 073/073/073

90 DAY MEAN 27 SEP 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 SEP 028/040

ESTIMATED AFR/AP 27 SEP 023/025

PREDICTED AFR/AP 28 SEP-30 SEP 020/020-015/020-015/015

SOLTERWARN

BT