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HFUS 3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 089

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 MAR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100
TO 30/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24
HOURS. THE ONLY REPORTABLE ACTIVITY HAS BEEN VERY MINOR
SUBFLARING FROM WITHIN REGION 4127 (S17E20).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A STABLE LOW LEVEL OVER THE NEXT 24 HOURS. ALTHOUGH
REGION 4127 CONTINUES TO EXHIBIT SLOW GROWTH, ITS SIZE IS STILL
TOO SMALL TO PRODUCE FLARES WITH SIGNIFICANT GEOPHYSICAL
CONSEQUENCES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS WITH BRIEF
PERIODS OF MINOR STORM LEVELS. THE DISTURBED FIELD CONDITIONS
CAN BE ATTRIBUTED TO A NEGATIVE POLARITY CORONAL HOLE CURRENTLY
LOCATED NEAR S01W60.

IIB. GEOPHYSICAL ACTIVITY FORECAST: AS THE AFOREMENTIONED
CORONAL HOLE APPROACHES THE WEST LIMB OF THE SUN, THE
GEOMAGNETIC FIELD CAN BE EXPECTED TO SLOWLY RETURN TO ACTIVE
AND EVENTUALLY UNSETTLED CONDITIONS OVER THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 31 MAR-02 APR

CLASS M 01/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAR 101

PREDICTED 31 MAR-02 APR 100/100/100

90 DAY MEAN 30 MAR 129

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 MAR 031/036

ESTIMATED AFR/AP 30 MAR 021/025

PREDICTED AFR/AP 31 MAR-02 APR 018/020-015/015-012/015

SOLTERWARN

BT