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HFUS 3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 244B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/1200Z TO 01/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. THE LARGEST EVENT OBSERVED WAS A C7, NO OPTICAL, AT 1620UT. REGION 3886 (N14E68) HAS BEEN GENERALLY STABLE THIS PERIOD WITH ONLY MINOR GROWTH NOTED HOWEVER LIMB PROIMITY PREVENTS DETAILED ANALYSIS. NEW REGION TODAY IS A SIMPLE B TYPE GROUP 3887 (N05W20). THE REST OF THE DISK AND LIMB APPEAR STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE DUE TO REGION 3886. THE REGION MAY PRODUCE A ISOLATED X CLASS EVENT DURING THIS FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORFCAST: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED THIS PERIOD. THE FIELD IS EXPFCTED TO BE AT OR NEAR QUIET LEVELS DURING THE FIRST TWO DAYS OF THE FORECAST PERIOD WITH ACTIVE CONDITIONS FORECAST FOR THE REST OF THE FORECAST PERIOD DUE TO THE EFFECTS OF A SMALL CORONAL HOLE.

III. EVENT PROBABILITIES 02 SEP-04 SEP

CLASS M 80/90/90

CLASS X 10/20/30

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSRVED 01 SEP 132

PREDICTED 02 SEP-04 SEP 190/195/200

90 DAY MEAN 01 SEP 169

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 AUG 016/019

ESTIMATED AFR/AP 01 SEP 010/012

PREDICTED AFR/AP 02 SEP-04 SEP 007/013-012/015-025/030

SOLTERWARN

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