

RUN SDF
COMMAND? T

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 PROXIMITY
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 FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN GENERALLY UNSETTLED THIS PERIOD. THE FIELD IS EXPECTED 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

OBSERVED 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

BT