

HFUS 3 BOU 282200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 301

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100
TO 28/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE
PAST 24 HOURS. TWO SMALL REGIONS WERE NUMBERED SINCE YESTERDAY:
4350 (S18E07) AND 4351 (S17E69). REGION 4349 (S06E14) DECLINED
FROM A CLASS C GROUP TO A CLASS B GROUP. THE REST OF THE DISK
IS STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT A
VERY LOW LEVEL. HOWEVER, OLD RETURNING REGION 4328, WHICH
PRODUCED ONE M EVENT ON ITS LAST ROTATION, IS DUE BACK ON THE
VISIBLE DISK TOMORROW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:
THE GEOMAGNETIC FIELD WAS QUIET DURING THE PREVIOUS 24 HOURS.
DENSITY INCREASES AT SATELLITE ALTITUDE WERE NOTED NEAR 1600Z
AND A DEPARTURE FROM QUIET DAY CONDITIONS HAS BEEN OBSERVED
SINCE THAT TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE DURING THE NEXT 48 HOURS AS A RESULT OF
RECURRENCE.

III. EVENT PROBABILITIES 29 OCT-31 OCT

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 OCT 092
PREDICTED 29 OCT-31 OCT 095/099/102
90 DAY MEAN 28 OCT 117

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 OCT 002/006
ESTIMATED AFR/AP 28 OCT 009/010
PREDICTED AFR/AP 29 OCT-31 OCT 015/015-015/020-012/025

SOLTERWARN

BT