

BT
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 348

WEP

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 14 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z
TO 14/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE
PAST 24 HOURS. NO SIGNIFICANT CHANGES IN THE VISIBLE DISK HAVE
BEEN REPORTED. REGION 4379 (S08W38) LOST ITS SPOTS GROUP WHILE A
NEW REGION, 4380 (S12E63), WAS NUMBERED TODAY. REGION 4375
ROTATED OVER THE WEST LIMB. ✓

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS. ✓

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z:
THE GEOMAGNETIC FIELD WAS GENERALLY ACTIVE DURING THE PAST 24
HOURS. SHORT PERIODS OF STORM CONDITIONS WERE OBSERVED AT HIGH
LATITUDES AS THE FIELD CONTINUED TO REFLECT RECURRENT ACTIVITY. ✓ *goal*

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT ACTIVE LEVELS THROUGH 16 DEC THEN UNSETTLED
CONDITIONS ARE EXPECTED. ✓

III. EVENT PROBABILITIES 15 DEC-17 DEC

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

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 DEC 100
PREDICTED 15 DEC-17 DEC 098/096/095 ✓
90 DAY MEAN 14 DEC 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 DEC 024/024 ✓
ESTIMATED AFR/AP 14 DEC 017/027
PREDICTED AFR/AP 15 DEC-17 DEC 015/020-015/020-010/020

SOLTERWARN

NNNN