

HFUS 3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 333

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100
TO 29/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW THIS PERIOD.
THE LARGEST X-RAY EVENT OBSERVED WAS A B7, NO OPTICAL, AT
2355UT. REGION 4366 (N18E47) PRODUCED A B4/SF AT 1742UT. REGION
4366 HAS BEEN REPORTED AS A SIMPLE "C" TYPE WITH ONLY
RUDIMENTARY PENUMBRA OBSERVED ON THE LEADER GROUP. SIZE DECAY
IN REGION 4366 HAS BEEN REPORTED DURING THE LAST SIX HOURS.
REGION 4367 (N10E65) IS A SIMPLE "B" TYPE GROUP WITH ONLY
LITTLE GROWTH REPORTED THIS PERIOD. NO NEW REGIONS HAVE BEEN
REPORTED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW TO LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS
DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT GENERALLY UNSETTLED LEVELS DURING THIS
FORECAST PERIOD. A FEW SHORT PERIODS OF ACTIVE CONDITIONS MAY
OCCUR AT THE HIGH LATITUDE SITES DURING THE NIGHT TIME SECTORS.

III. EVENT PROBABILITIES 30 NOV-02 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 NOV 093

PREDICTED 30 NOV-02 DEC 098/100/102

90 DAY MEAN 29 NOV 105

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 NOV 013/016

ESTIMATED AFR/AP 29 NOV 017/025

PREDICTED AFR/AP 30 NOV-02 DEC 012/020-008/015-010/010

SOLTERWARN

BT