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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 362

PAP

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100
TO 28/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL
THIS PERIOD. REGION 4386 (N13W12) PRODUCED THE LARGEST EVENT
THIS PERIOD A B2/SF AT 0946Z. THE ONLY SPOTTED REGION OBSERVED
TODAY IS 4387 (N12E50) AND IT IS ONLY A "B" GROUP WITH TWO
SPOTS. THE REST OF THE DISK HAS BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW DURING THIS FORECAST PERIOD AS CURRENT DISK
REGIONS ARE SMALL SIMPLE GROUPS AND RETURNING REGIONS WERE IN A
STATE OF DECAY DURING THEIR WEST LIMB PASSAGE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS AT
THE MID-LATITUDE SITES WITH ONLY SHORT PERIODS OF MINOR STORM
CONDITIONS AT THE HIGH LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS, SHORT PERIODS
OF MAJOR STORM CONDITIONS AT THE HIGH LATITUDE SITES, DURING
THE FIRST TWO DAYS OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 29 DEC-31 DEC

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

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 DEC 284
PREDICTED 29 DEC-31 DEC 283/284/286
90 DAY MEAN 28 DEC 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 DEC 017/016
ESTIMATED AFR/AP 28 DEC 015/015
PREDICTED AFR/AP 29 DEC-31 DEC 020/020-025/025-015/015

SOLTERWARN
NNNN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 362

PAP

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2222Z 28 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100
TO 28/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL
THIS PERIOD. REGION 4386 (N13W12) PRODUCED THE LARGEST EVENT
THIS PERIOD A B2/SF AT 2946Z. THE ONLY SPOTTED REGION OBSERVED
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OF MAJOR STORM CONDITIONS AT THE HIGH LATITUDE SITES, DURING
THE FIRST TWO DAYS OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 29 DEC-31 DEC

CLASS M 21/21/21

CLASS X 21/21/21

PROTON 21/21/21

PCAF GREEN

IV. OTTAWA 13.7 CM FLUX

OBSERVED 28 DEC 284

PREDICTED 29 DEC-31 DEC 283/284/286

90 DAY MEAN 28 DEC 102

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 DEC 017/016

ESTIMATED AFR/AP 28 DEC 015/015

PREDICTED AFR/AP 29 DEC-31 DEC 022/023-025/025-015/015

SOLTERWARN

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