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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 364A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 30 DEC 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/1200Z TO 30/1200Z: SOLAR ACTIVITY HAS BEEN LOW. XRAY ACTIVITY HAS BEEN C2 OR LESS. REGIONS CONTRIBUTING TO ACTIVITY ARE 3525(S21W28), 3530(N17E03), 3533(N06E36). ALL REGIONS ON THE DISK ARE REPORTED STABLE OR DECREASING. WEATHER HAS LIMITED OBSERVATION, BUT THERE ARE NO NEW INDICATIONS OF ACTIVITY POTENTIAL EITHER FROM REGIONS ON THE DISK OR RETURNING REGIONS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY MAY BE EXPECTED TO REMAIN LOW. A SLIGHTLY LARGER NUMBER OF REGIONS ARE CONTRIBUTING IN RECENT HOURS, BUT M LEVELS SEEM UNLIKELY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS CONTINUED UP TO ISSUE TIME OF THIS FORECAST WITH MINOR STORM LEVELS. ACTIVE LEVELS ARE LIKELY FOR THE BALANCE OF THE U.T. DAY 30 DECEMBER. UNSETTLED LEVELS SHOULD FOLLOW.

III. EVENT PROBABILITIES 31 DEC-02 JAN

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 DEC 190

ESTIMATED 30 DEC 195

PREDICTED 31 DEC-02 JAN 200/204/208

90 DAY MEAN 29 DEC 214

V. GEOMAGNETIC A INDICES

OBSERVED AFR 28 DEC 012 AP 29 DEC 030

ESTIMATED AFR 29 DEC 032 AFR/AP 30 DEC 020/017

PREDICTED AFR/AP 31 DEC-02 JAN 014/013-010/009-008/009

SOLTERWARN

BT

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PREDM 03031 03001 03002

PREDX 00131 00101 00102

PREDP 00131 00101 00102

PCAFI 00131

TENCM 20031 20401 20802

AFRED 01431 01001 00802

AFAPF 01331 00901 00902

KKK 43333 32233 33222

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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 364B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 30 DEC 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
30/1200Z TO 30/2100Z: SOLAR ACTIVITY CONTINUES AT A LOW LEVEL.
THE LARGEST FLARE WAS A C3/1N AT 30/2048Z IN SMALL STABLE
REGION 3533 (N05E31). REGIONS 3530 (N17W01) AND 3532 (S18W45)
ARE GROWING SLOWLY WITH OCCASSIONAL POINT BRIGHTENINGS
REPORTED. ALL OTHER REGIONS ARE STABLE OR DECLINING. NO NEW
REGIONS WERE NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
~~REMAIN~~ LOW WITH NO SIGNIFICANT REGIONS ON THE DISK OR EXPECTED
TO RETURN IN THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE THE PAST 9 HOURS. UNSETLED CONDITIONS ARE EXPECTED
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 DEC-02 JAN

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 DEC 192

PREDICTED 31 DEC-02 JAN 197/202/203

90 DAY MEAN 30 DEC 214

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 DEC 024/030

ESTIMATED AFR/AP 30 DEC 024/022

PREDICTED AFR/AP 31 DEC-02 JAN 014/013-010/009-008/009

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