

HFUS3 BOU 302200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 365

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4612 (S13W82) MANAGED TO PRODUCE AN OPTICAL SUBFLARE AT 1824UT, BUT THAT WAS THE EXTENT OF ANY NOTABLE ACTIVITY. THIS REGION IS THOUGHT TO CONTAIN AN A-TYPE SPOT GROUP, BUT ITS PROXIMITY TO THE LIMB MAKES IT DIFFICULT TO DETERMINE ITS CLASSIFICATION WITH CONFIDENCE. REGION 4611 (S09W28) HAS CONTINUED TO DECAY, AND CURRENTLY CONTAINS ONLY ONE SPOT. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN ACTIVE AT ALL LATITUDES FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 31 DEC-02 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 DEC 074

PREDICTED 31 DEC-02 JAN 073/073/072

90 DAY MEAN 30 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 DEC 024/021

ESTIMATED AFR/AP 30 DEC 019/020

PREDICTED AFR/AP 31 DEC-02 JAN 017/025-015/020-015/020

SOLTERWARN

BT