

HFUS3 BDU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 330

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 NOV 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE LARGEST FLARE WAS AN XRAY CLASS B3 OPTICAL CLASS SUB FAINT FLARE FROM REGION 4598 (S11E06). XRAY MAX TIME WAS 25/0606. REGION 4597 (N19W90) APPEARS TO BE SLOWLY DECAYING, BUT CLOSENESS TO THE LIMB MAY BE CAUSING THIS. REGIONS 4598 AND 4600 (S11E27) HAVE BOTH HAD ARCHED FILAMENT SYSTEMS EARLY IN THIS PERIOD AND HAVE EACH HAD SUB FAINT FLARES. THEY BOTH APPEAR STABLE IN WHITE LIGHT AREA. NO NEW REGIONS WERE NUMBERED TODAY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THE FIRST DAY OF THE FORECAST PERIOD, AND ACTIVE ON THE SECOND AND THIRD DAYS. THIS ACTIVITY IS EXPECTED DUE TO A FILAMENT THAT DISAPPEARED ON THE 23RD FROM APPROXIMATELY N06E03.

III. EVENT PROBABILITIES 26 NOV-28 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 NOV 085

PREDICTED 26 NOV-28 NOV 086/085/085

90 DAY MEAN 25 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 NOV 009/009

ESTIMATED AFR/AP 25 NOV 007/010

PREDICTED AFR/AP 26 NOV-28 NOV 010/015-015/015-025/025

SOLTERWARN

BT