

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 331

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 NOV 1984

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THIS PERIOD WITH ONLY ONE C-CLASS EVENT OBSERVED A C2/SB FROM REGION 4598 (S12W06) AT 1911UT. MINOR RADIO WAS OBSERVED, 40 FLUX UNITS AT 2695MHZ, HOWEVER NO SWEEPS WERE RECORDED. REGION 4598 HAS CONTINUED TO EXHIBIT GROWTH IN SIZE AND COMPLEXITY DURING THIS PERIOD THE NEUTRAL LINE THROUGH THIS REGION IS GENERALLY NORTH TO SOUTH. REGION 4598 HAS PRODUCED SEVERAL OTHER SMALL FLARES THIS PERIOD WHILE REGION 4600 (S12E15) HAS HAD ONLY A B1/SF REPORTED. NO NEW REGIONS WERE OBSERVED TODAY.

I B. SOLAR ACTIVITY FORECAST: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY UNSETTLED TO QUIET AT ALL LATITUDES DURING THE PAST 24 HOURS.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW, HOWEVER, IF RAPID CHANGE OCCURS IN REGIONS 4598 OR 4600 THEN ISOLATED ENERGETIC EVENTS SHOULD BE EXPECTED.

II B. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS (SHORT PERIODS OF MINOR STORM) DURING THIS FORECAST PERIOD. THIS ACTIVITY IS EXPECTED DUE TO A FILAMENT THAT DISAPPEARED ON THE 23RD AT APPROXIMATELY N06E03.

III. EVENT PROBABILITIES 27 NOV-29 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 NOV 085

PREDICTED 27 NOV-29 NOV 085/084/084

90 DAY MEAN 26 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 NOV 006/008

ESTIMATED AFR/AP 26 NOV 008/008

PREDICTED AFR/AP 27 NOV-29 NOV 015/015-025/025-020/020

SOLTERWARN

BT