

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 300

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW FOR THE PAST 24 HOURS. ONE NEW REGION WAS ASSIGNED. REGION 4587 (N14E07) WAS A SIMPLE BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THIS FORECAST PERIOD. REGION 4585 (N05, CAR-352) IS EXPECTED TO RETURN AT 28/1100Z. REGION 4582 (S05, CAR-337) IS EXPECTED TO RETURN AT 29/1400Z. THE LAST ROTATION OF REGION 4582 REACHED A CAO CLASSIFICATION IN WHITE LIGHT AND THEN DECAYED TO A SPOTLESS REGION BEFORE IT ROTATED OFF THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD WAS AT MINOR STORM TO UNSETTLED LEVELS. HIGH LATITUDES EXPERIENCED MAJOR STORM LEVELS AT THE START OF THE PERIOD DROPPING TO MINOR STORM LEVELS BY 26/0430Z AND ACTIVE LEVELS BY 26/0600Z. CORRESPONDING MID-LATITUDE STATIONS EXPERIENCED MINOR STORM LEVELS AT THE START OF THE PERIOD BECOMING QUIET BY 26/0600Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED.

III. EVENT PROBABILITIES 27 OCT-29 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 070

PREDICTED 27 OCT-29 OCT 071/072/073

90 DAY MEAN 26 OCT 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 OCT 017/023

ESTIMATED AFR/AP 26 OCT 012/012

PREDICTED AFR/AP 27 OCT-29 OCT 012/015-012/015-013/015

SOLTERWARN

BT