

HFUSS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 299

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE PAST 24 HOURS. REGION 4586 (N03W90) CONTINUES TO DECAY AS IT ROTATES AROUND THE LIMB. IT REMAINS AN ALPHA-TYPE GROUP WITH ONE SPOT. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4585 (N05,CAR-352) IS EXPECTED TO RETURN AT 28/1100Z. THE LAST ROTATION IT PRODUCED ONE SUB-FLARE WITH NO ASSOCIATED X-RAY EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD WAS AT MINOR STORM TO ACTIVE LEVELS. HIGH LATITUDES CONTINUED MINOR STORM LEVELS THROUGH 25/0130Z THEN DECREASED TO GENERALLY ACTIVE LEVELS. MID-LATITUDES ALSO DROPPED FROM MINOR TO ACTIVE STORM LEVELS WITH ONE PERIOD AT A MINOR STORM LEVEL AT 25/0600Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED. BRIEF PERIODS OF MINOR STORM LEVELS ARE POSSIBLE AT HIGH LATITUDES DURING LOCAL MIDNIGHT HOURS.

III. EVENT PROBABILITIES 26 OCT-28 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 OCT 071

PREDICTED 26 OCT-28 OCT 071/071/071

90 DAY MEAN 25 OCT 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 OCT 031/039

ESTIMATED AFR/AP 25 OCT 013/016

PREDICTED AFR/AP 26 OCT-28 OCT 013/020-014/015-010/015

SOLTERWARN

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