

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 269

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE PAST 24 HOURS. A SMALL AREA OF PLAGE CONTINUES AT (S03E08) HOWEVER IT STILL REMAINES SPOTLESS. A SMALL FILAMENT DISAPPEARED FROM NEAR (N08W28) BETWEEN 1510UT AND 1536UT LITTLE IF ANY X RAY INCREASE WAS OBSERVED WITH THIS EVENT.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE LEVELS WITH SHORT PERIODS OF MINOR STORM CONDITIONS AT THE MID LATITUDE SITES WHILE THE HIGH LATITUDE SITES WERE GENERALLY AT MINOR TO MAJOR STORM LEVELS DURING THIS PERIOD. THIS ACTIVITY IS THOUGHT TO BE FROM THE FILAMENTS WHICH DISAPPEARED ON 21 SEP.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS WITH SHORT PERIODS OF MINOR STORM CONDITIONS DURING THIS FORECAST PERIOD. THE FIRST PORTION OF THE ACTIVITY IS EXPECTED TO BE CAUSED BY A POSITIVE CORONAL HOLE WHILE THE LAST PORTION IS EXPECTED TO BE INFLUENCED BY THE FILAMENT WHICH DISAPPEARED TODAY.

III. EVENT PROBABILITIES 26 SEP-28 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEP 074

PREDICTED 26 SEP-28 SEP 075/076/076

90 DAY MEAN 25 SEP 085

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 SEP 030/049

ESTIMATED AFR/AP 25 SEP 023/030

PREDICTED AFR/AP 26 SEP-28 SEP 025/025-020/020-025/015

SOLTERWARN

BT