

HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 281

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY IS VERY LOW. THERE ARE NO VISIBLE SPOTS ON THE SUN. THERE WAS A FILAMENT 12 DEGREES IN LONG, CENTERED AT S15 W33 THAT DISAPPEARED ON 06 OCT 85.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE AT ALL LATITUDES WITH PERIODS OF MINOR STORM LEVELS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE TO UNSETTLED THE FIRST TWO DAYS OF THE FORECAST PERIOD AND THEN RISE TO ACTIVE LEVELS THE THIRD DAY. THERE IS A SLIGHT POSSIBILITY OF ENHANCED LEVELS THE FIRST AND SECOND DAY OF THE FORECAST BECAUSE OF FILAMENT DISAPPEARANCE MENTIONED IN PART IA.

III. EVENT PROBABILITIES 09 OCT-11 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 OCT 066

PREDICTED 09 OCT-11 OCT 066/067/068

90 DAY MEAN 08 OCT 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 OCT 021/031

ESTIMATED AFR/AP 08 OCT 018/020

PREDICTED AFR/AP 09 OCT-11 OCT 015/010-010/010-015/025

SOLTERWARN

BT