

HFUSS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 280

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY CONTINUED AT A VERY LOW LEVEL. A SMALL FLARE OCCURRED IN REGION 4582 (S06E36) AT 1234UT. SPOTS WERE REPORTED IN THIS AREA AROUND 1400UT, BUT HAVE SINCE DISAPPEARED. A FILAMENT IN THIS AREA DISAPPEARED LATE ON 5 OCT. THE REMAINDER OF THE DISK IS UNCHANGED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL. ONLY SMALL REGIONS ARE EXPECTED ON THE EAST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO GRADUALLY GO TO ACTIVE LEVELS OVER THE NEXT 24 HOURS. THIS INCREASE IS EXPECTED AS A CONSEQUENCE OF THE CORONAL HOLE WHICH CROSSED CENTRAL MERIDIAN ON 5 OCT.

III. EVENT PROBABILITIES 07 OCT-09 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 073

PREDICTED 07 OCT-09 OCT 073/073/073

90 DAY MEAN 06 OCT 082

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 OCT 008/011

ESTIMATED AFR/AP 06 OCT 014/020

PREDICTED AFR/AP 07 OCT-09 OCT 015/025-020/025-020/020

SOLTERWARN

BT