

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 294

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100 TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4750 (N23E21) HAS CONTINUED IN ITS DECAY PHASE SIMPLIFYING TO A BETA CONFIGURATION. IT CONTINUED TO PRODUCE MINOR RADIO SWEEPS AND MINOR X-RAY FLARES THE LARGEST OF WHICH WAS A B6/ON ON 21/0849Z. REGION 4751 (S27E59) HAS APPARENTLY INCREASED IN SIZE TO 110 MILLIONTHS AND IS PRESENTLY REPRESENTING A BETA CONFIGURATION. NO NEW REGION WAS NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4750 IS EXPECTED TO CONTINUE IN ITS DECAY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR STORM TO ACTIVE LEVELS THE FIRST TWO DAYS OF THE PERIOD. THE LAST DAY IS EXPECTED TO BE ACTIVE.

III. EVENT PROBABILITIES 22 OCT-24 OCT

CLASS M 25/10/10

CLASS X 01/01/01

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 OCT 092

PREDICTED 22 OCT-24 OCT 092/089/087

30 DAY MEAN 21 OCT 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 OCT 010/020

ESTIMATED AFR/AP 21 OCT 016/020

PREDICTED AFR/AP 22 OCT-24 OCT 023/035-018/030-016/025

SOLTERWARN

BT

HXUS BOU 212200

PREDM 02522 01023 01024

PREDX 00122 00123 00124

PREDP 00522 00523 00524

PCRAFT 00122

TENCM 09222 08923 08724

AFRED 02322 01823 01624

AFAPP 03522 03023 02524

BT