

HFUS 3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 300

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. BOTH REGIONS 4345 (S08W19) AND 4349 (S05E30) ARE SMALL, SIMPLE C GROUPS; HOWEVER, 4349 HAS A SLOW GROWING H ALPHA PLAGE. THE REST OF THE DISK IS QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE QUIET WITH BRIEF UNSETTLED PERIODS THROUGH 28 OCT. RECURRENT ACTIVITY COULD BRING ACTIVE CONDITIONS LATE ON 28 OCT OR EARLY ON 29 OCT.

III. EVENT PROBABILITIES 28 OCT-30 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 OCT 090

PREDICTED 28 OCT-30 OCT 090/092/095

90 DAY MEAN 27 OCT 117

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 OCT 002/006

ESTIMATED AFR/AP 27 OCT 005/010

PREDICTED AFR/AP 28 OCT-30 OCT 010/010-015/020-015/020

SOLTERWARN

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