

HFUS 3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 274

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 01/2100Z: SOLAR ACTIVITY IS LOW. REGION 4324 (S19W46) IS THE ONLY REMAINING SPOTTED REGION VISIBLE. ALTHOUGH IT RETAINS ITS SIZE AND BETA GAMMA MAGNETIC CONFIGURATION, 4324 STILL APPEARS INCAPABLE OF SIGNIFICANT ACTIVITY. ITS PRODUCTION TODAY HAS BEEN LIMITED TO THREE SUBFLARES. THE EAST LIMB (NE08) IS SHOWING SURGE ACTIVITY BEHIND SOME MODERATELY BRIGHT PLAGE BUT NO SPOTS ARE VISIBLE AS YET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY MAY INCREASE SLIGHTLY AS THE REGION IN THE NORTHEAST ROTATES ONTO THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: QUIET TO UNSETTLED CONDITIONS SHOULD DOMINATE THE NEXT THREE DAYS AS RECURRENT PATTERNS INFLUENCE THE FIELD.

III. EVENT PROBABILITIES 02 OCT-04 OCT

CLASS M 05/10/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 OCT 117

PREDICTED 02 OCT-04 OCT 117/116/116

90 DAY MEAN 01 OCT 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 SEP 002/008

ESTIMATED AFR/AP 01 OCT 009/015

PREDICTED AFR/AP 02 OCT-04 OCT 012/010-010/010-013/015

SOLTERWARN

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