

HFUS 3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 273

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY IS LOW. REGIONS 4324 (S19W33) AND 4326 (S15W01) REMAIN AS THE ONLY SPOTTED REGIONS ON THE VISIBLE DISK. REGION 4324 HAS PRODUCED THREE SUBFLARES TODAY WHILE REGION 4326 HAS PRODUCED ONLY ONE. NOTHING IN THE CHARACTER OF THESE REGIONS SUGGEST THAT THEY WILL CHANGE MUCH.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT A LOW LEVEL. SEVERAL RETURNING REGIONS ARE DUE BACK DURING THE NEXT THREE DAYS BUT ONLY OLD 4307 WAS DYNAMIC ON ITS LAST TRANSIT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE RECURRENT PATTERN INDICATES QUIET CONDITIONS FOR THE NEXT THREE DAYS; HOWEVER, FAINT REMNANTS OF A CORONAL HOLE MAY MODIFY THESE CONDITIONS TO UNSETTLED LEVELS.

III. EVENT PROBABILITIES 01 OCT-03 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 SEP 114

PREDICTED 01 OCT-03 OCT 113/112/112

90 DAY MEAN 30 SEP 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 SEP 009/013

ESTIMATED AFR/AP 30 SEP 005/010

PREDICTED AFR/AP 01 OCT-03 OCT 013/015-012/010-010/010

SOLTERWARN

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