

HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 269

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 SEP 1983

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY CONTINUES LOW WITH X-RAY BURSTS REMAINING AT OR BELOW THE C1 LEVEL. REGION 4324 (S20E20) HAS CONTINUED TO GROW IN BOTH SIZE AND SUNSPOT NUMBER. THIS REGION RETAINS IT BETA GAMMA CONFIGURATION; HOWEVER, MAGNETIC COMPLEXITY HAS NOT INCREASED SIGNIFICANTLY. NEW FLUX HAS EMERGED WEST OF SPOTLESS REGION 4319 (S10W46). ON A DIFFERENT NEUTRAL LINE AND HAS BEEN ASSIGNED AS REGION 4327 (S12W54).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH A SLIGHT CHANCE FOR CLASS M ACTIVITY FROM REGION 4324.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO STORM LEVEL DUE TO CORONAL HOLE EFFECTS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE ACTIVE TO STORM LEVEL OVER THE NEXT 36 HOURS AND THEN TREND TOWARD UNSETTLED CONDITIONS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27 SEP-29 SEP

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEP 115

PREDICTED 27 SEP-29 SEP 117/117/115

90 DAY MEAN 26 SEP 120

V. GEOMAGNETIC A INDICES **24**

OBSERVED AFR/AP 25 SEP 025/025

ESTIMATED AFR/AP 26 SEP 029/025

PREDICTED AFR/AP 27 SEP-29 SEP 020/025-015/020-010/015

SOLTERWARN

BT