

MBOTII

HF11S 3 BOII 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 059

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 FEB 1983

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY IS LOW. THE UPSWING IN FLARE OCCURRENCE THAT STARTED YESTERDAY CONTINUES TODAY BUT AGAIN THEY ARE BEING PRODUCED BY SEVERAL REGIONS. STILL NONE OF THE VISIBLE REGIONS APPEAR TO BE ORGANIZING FOR THE PRODUCTION OF SUSTAINED, SIGNIFICANT ACTIVITY. WHAT WAS BELIEVED TO BE THE TRAILER OF REGION 4102 (S16E55) YESTERDAY HAS TURNED OUT TO BE A SEPERATE GROUP AND IS NUMBER 4104 (S22E60).

B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD REMAINED QUIET DURING THE PAST 24 HOURS.

II B. GEOPHYSICAL ACTIVITY FORECAST: CONTINUED QUIET CONDITIONS WITH PERIODS OF UNSETTLEDNESS ARE EXPECTED FOR THE NEXT DAY OR SO. ACTIVE CONDITIONS ON 3 MARCH MAY REFLECT A FILAMENT DISAPPEARANCE ON 27 FEB.

III. EVENT PROBABILITIES 01 MAR-03 MAR

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEB 140

PREDICTED 01 MAR-03 MAR 140/140/138

90 DAY MEAN 28 FEB 156

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 FEB 007/010

ESTIMATED AFR/AP 28 FEB 007/010

PREDICTED AFR/AP 01 MAR-03 MAR 010/010-008/010-018/010

SOLTERWARN

BT

NNNN SV

UU