

HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 057

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY IS LOW. REGION 4098 (S16E34) IS REPORTEDLY THE MOST IMPRESSIVE REGION OPTICALLY. INDEED IT HAS DEVELOPED SOME STRUCTURAL COHESIVENESS IN H-ALPHA BUT THE SPOT GROUP HAS FAILED TO DEVELOPE ACCORDINGLY. REGION 4097 (N16E30) WHICH MANAGED TWO SMALL C FLARES IN THE PAST 24 HOURS HAS APPARENTLY LOST SOME OF ITS TRAILER SPOTS. MEANWHILE, THE PLAGE IN THAT AREA HAS GROWN. REGION 4101 (N16W09) WAS NUMBERED LATE YESTERDAY AND 4102 (S15E80) WAS NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW. NONE OF THE VISIBLE REGIONS OR THE EXPECTED RETURNING REGIONS SHOULD PRODUCE ANYTHING GREATER THAN CLASS C.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: UNSETTLED CONDITIONS SHOULD DOMINATE THE COMING 24 HOURS ALTHOUGH BRIEF PERIODS OF ACTIVE CONDITIONS ARE NOT UNLIKELY.

III. EVENT PROBABILITIES 27 FEB-01 MAR

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 FEB 129

PREDICTED 27 FEB-01 MAR 132/135/139

90 DAY MEAN 26 FEB 157

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 FEB 004/010

ESTIMATED AFR/AP 26 FEB 005/010

PREDICTED AFR/AP 27 FEB-01 MAR 015/015-015/010-012/010

SOLTERWARN

BT