

HFUS 3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 086

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 MAR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY CONTINUED LOW DURING THIS PERIOD. THE LARGEST, AND ONLY OPTICAL EVENT, OBSERVED WAS A C1/SN FROM REGION 4128 (S14E31) AT 27/1841UT. ALL REPORTS FROM THE OBSERVATORIES INDICATES THAT ALL REGIONS ARE STABLE OR SLIGHTLY DECAYED. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED WITH QUIET PERIODS DURING THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED UNTIL 29 MARCH WHEN ACTIVE CONDITIONS, IN RESPONSE TO THE LARGE CORONAL HOLE NOW 1 DAY PAST ~~CENTERAL~~ MERIDIAN, ARE FORECAST FOR THE REST OF THE PERIOD.

III. EVENT PROBABILITIES 28 MAR-30 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAR 110

PREDICTED 28 MAR-30 MAR 108/108/105

90 DAY MEAN 27 MAR 131

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 MAR 016/014

ESTIMATED AFR/AP 27 MAR 004/010

PREDICTED AFR/AP 28 MAR-30 MAR 010/015-020/020-025/025

SOLTERWARN

BT