

SDF issued at 2127UT 10 JAN 87

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 010

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE LARGE PROMINENCE, FORMERLY SITUATED ON THE NORTHEAST LIMB, ERUPTED NEAR DAY'S END ON 9 JANUARY. A LOW-LEVEL X-RAY ENHANCEMENT FROM APPROXIMATELY 0100-0900Z ON 10 JANUARY WAS MOST LIKELY ASSOCIATED. THERE WAS NO RADIO OUTPUT RECORDED. THE DISK IS CURRENTLY DEVOID OF SPOTS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETLED THROUGHOUT THE PERIOD.

III. EVENT PROBABILITIES 11 JAN-13 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JAN 070

PREDICTED 11 JAN-13 JAN 070/071/071

90 DAY MEAN 10 JAN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JAN 011/014

ESTIMATED AFR/AP 10 JAN 006/008

PREDICTED AFR/AP 11 JAN-13 JAN 010/013-010/012-005/010