

SDF issued at 2140UT 06 JAN 87

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 006

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED THE FIRST DAY (7 JAN). THE LAST TWO DAYS (8-9 JAN) ARE EXPECTED TO BE UNSETTLED TO ACTIVE. THIS INCREASE IS BASED ON A WEAK RECURRENT DISTURBANCE PATTERN THAT IS POSSIBLY LINKED TO A WEAK CORONAL HOLE. BRIEF STORM STORM CONDITIONS ARE POSSIBLE DURING LOCAL MIDNIGHT PERIODS.

III. EVENT PROBABILITIES 07 JAN-09 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JAN 072

PREDICTED 07 JAN-09 JAN 072/073/073

90 DAY MEAN 06 JAN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 JAN 002/006

ESTIMATED AFR/AP 06 JAN 005/010

PREDICTED AFR/AP 07 JAN-09 JAN 007/010-010/013-012/015