

SDF issued at 2058UT 06 DEC 86

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 340

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SUN IS SPOTLESS AND NEARLY FREE OF PLAGE. THE ONLY ACTIVITY REPORTED WAS A FILAMENT DISAPPEARANCE NEAR N30 W35 EARLY ON 5 DEC.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETLED THROUGH MOST OF THE PERIOD. SOME ISOLATED ACTIVE PERIODS ARE POSSIBLE NEAR LOCAL MIDNIGHT.

III. EVENT PROBABILITIES 07 DEC-09 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 DEC 071

PREDICTED 07 DEC-09 DEC 071/072/072

90 DAY MEAN 06 DEC 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 DEC 002/006

ESTIMATED AFR/AP 06 DEC 004/006

PREDICTED AFR/AP 07 DEC-09 DEC 010/013-010/020-005/010