

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 012

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY REMAINS VERY LOW.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THIS ACTIVITY IS BELIEVED TO BE RELATED TO THE CORONAL HOLE THAT CROSSED CENTRAL MERRIDIAN ON 6 JAN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS ON THE FIRST DAY OF THE FORECAST IN RESPONSE TO THE CORONAL HOLE. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 JAN-15 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 071

PREDICTED 13 JAN-15 JAN 071/071/071

90 DAY MEAN 12 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JAN 020/020

ESTIMATED AFR/AP 12 JAN 018/020

PREDICTED AFR/AP 13 JAN-15 JAN 020/030-010/020-010/015

SOLTERWARN

BT