

HFUS3 BOU 072800

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 007

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4613 (N07W34) LOST ITS SPOT OVERNIGHT. AN ACTIVE DARK FILAMENT DEVELOPED AT S13W03 WITH FAINT PLAGE, BUT A PROBABLE SINGLE SPOT WAS NOT VERIFIABLE DUE TO GENERALLY POOR SEEING. A 18 DEGREE-LONG DISAPPEARING FILAMENT (S32W79) AT 6/2207Z WAS ASSOCIATED WITH THE ACTIVE PROMINENCE REGION AT SOUTH-WEST 24 VERY EARLY IN THE PERIOD. THE PROMINENCE EXTENDED TO .16 SOLAR RADII BUT FADED EARLY IN THE PERIOD. ANOTHER SMALLER PROMINENCE AT NORTH-EAST 35 EXTENDED TO .07 SOLAR RADII BEFORE IT FADED. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT RETURNING REGION IS EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: GEOMAGNETIC ACTIVITY WAS QUIET TO UNSETTLED AT MID AND HIGH LATITUDES RESPECTIVELY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE AT MID AND HIGH LATITUDES RESPECTIVELY.

III. EVENT PROBABILITIES 08 JAN-10 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JAN 070

PREDICTED 08 JAN-10 JAN 071/070/070

90 DAY MEAN 07 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 JAN 003/008

ESTIMATED AFR/AP 07 JAN 007/010

PREDICTED AFR/AP 08 JAN-10 JAN 014/020-014/025-015/015

SOLTERWARN

BT