JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 060 ISSUED AT 2200Z ON 01 MAR 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z TO 01/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7435 (N08E13) PRODUCED THE LARGEST FLARE TODAY, A C3/1N AT 01/1654UT. THIS REGION CONTINUED TO GROW SLOWLY AND IS BEGINNING TO TAKE ON SOME MAGNETIC COMPLEXITY. REGION 7439 (S10E82) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 7435 SHOWS THE BEST CLASS C FLARE POTENTIAL AND HAS A SMALL CLASS M FLARE CHANCE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO ACTIVE LEVELS FOR THE PAST 24 HOURS. HIGH LATITUDE STATIONS SAW A PERIOD OF MINOR TO MAJOR STORM LEVELS, PROBABLY THE REMAINING EFFECTS OF DISAPPEARING FILAMENTS ON 26 FEBRUARY.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY UNSETTLED OVER THE NEXT TWO DAYS WITH PERIODS OF ACTIVE LEVELS AS THE GEOMAGNETIC DISTURBANCE CONTINUES TO SUBSIDE. QUIET TO UNSETTLED CONDITIONS ARE PREDICTED FOR THE FINAL DAY OF THE FORECAST PERIOD.
III. EVENT PROBABILITIES 02 MAR-04 MAR
CLASS M 15/15/15
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 01 MAR 132
PREDICTED 02 MAR-04 MAR 135/140/145
90 DAY MEAN 01 MAR 134
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 28 FEB 018/024
ESTIMATED AFR/AP 01 MAR 013/017
PREDICTED AFR/AP 02 MAR-04 MAR 015/018-015/012-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 02 MAR-04 MAR
A. MIDDLE LATITUDES
ACTIVE 30/30/15
MINOR STORM 20/20/10
MAJOR-SEVERE STORM 05/05/01
B. HIGH LATITUDES
ACTIVE 35/30/15
MINOR STORM 25/20/10
MAJOR-SEVERE STORM 10/05/05