JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 246 ISSUED AT 2200Z ON 03 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 7576 (N10E39) SHOWED MODEST GROWTH TODAY BUT WAS STABLE. A SMALL FILAMENT NEAR N19W64 DISAPPEARED SOMETIME BETWEEN 0024Z AND 1354Z.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS INTIALLY QUIET BUT BECAME DISTURBED AFTER 00Z: MID-LATITUDES WERE GENERALLY ACTIVE AND HIGH LATITUDE SITES EXPERIENCED PREDOMINANTLY ACTIVE TO MINOR STORM LEVELS. A PERIOD OF MAJOR STORM OCCURRED AT HIGH LATITUDES FROM 0900-1200Z. THE ACTIVITY WAS MOST LIKELY CAUSED BY AN EXTENSION OF THE NORTHERN POLAR CORONAL HOLE.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE WITH POSSIBLE HIGH LATITUDE SUBSTORMS FOR THE NEXT 12-15 HOURS. CONDITIONS SHOULD RETURN TO PREDOMINANTLY UNSETTLED LEVELS THEREAFTER AND FOR THE REMAINDER OF THE FORECAST PERIOD.
III. EVENT PROBABILITIES 04 SEP-06 SEP
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 03 SEP 080
PREDICTED 04 SEP-06 SEP 080/080/085
90 DAY MEAN 03 SEP 098
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 02 SEP 006/005
ESTIMATED AFR/AP 03 SEP 020/030
PREDICTED AFR/AP 04 SEP-06 SEP 010/018-010/013-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 04 SEP-06 SEP
A. MIDDLE LATITUDES
ACTIVE 35/15/20
MINOR STORM 10/10/10
MAJOR-SEVERE STORM 05/05/05
B. HIGH LATITUDES
ACTIVE 35/15/15
MINOR STORM 15/10/10
MAJOR-SEVERE STORM 05/05/05