JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 255 ISSUED AT 2200Z ON 12 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO SUBFLARES WERE OBSERVED. THE DISK WAS GENERALLY SPOTLESS. A 23 DEGREE FILAMENT DISAPPEARED NEAR N42W07 SOMETIME LATE YESTERDAY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MOSTLY QUIET LEVELS FOR THE PAST 24 HOURS. ACTIVE LEVELS WERE OBSERVED AT SOME HIGH LATITUDE STATIONS STARTING AT 12/1200Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS AT MIDDLE LATITUDES DURING THE FIRST TWO DAYS. CONDITIONS SHOULD DECLINE TO MOSTLY UNSETTLED LEVELS BY THE THIRD DAY. HIGH LATITUDE STATIONS MAY EXPERIENCE MINOR TO MAJOR STORMING DURING THE FIRST TWO DAYS DECLINING TO ACTIVE LEVELS DURING THE FINAL DAY. THE EXPECTED ACTIVITY IS DUE TO A FAVORABLY POSITIONED CORONAL HOLE.
III. EVENT PROBABILITIES 13 SEP-15 SEP
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 12 SEP 079
PREDICTED 13 SEP-15 SEP 080/080/080
90 DAY MEAN 12 SEP 095
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 11 SEP 006/005
ESTIMATED AFR/AP 12 SEP 009/008
PREDICTED AFR/AP 13 SEP-15 SEP 020/050-020/030-015/018
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 13 SEP-15 SEP
A. MIDDLE LATITUDES
ACTIVE 35/35/35
MINOR STORM 30/30/30
MAJOR-SEVERE STORM 10/10/10
B. HIGH LATITUDES
ACTIVE 40/40/40
MINOR STORM 30/30/30
MAJOR-SEVERE STORM 15/15/15