JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 254 ISSUED AT 2200Z ON 11 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY WAS VERY LOW. THE SUN WAS AGAIN VOID OF SPOTS. A FILAMENT LOCATED NEAR N20W15 FADED BETWEEN 10/0843-2300Z. A YOHKOH IMAGE FROM 10/1332Z SHOWED BROAD WEAK EMISSION OVER THIS AREA WHICH IS CHARACTERISTIC OF THE LOWER CORONA'S RESPONSE TO THIS TYPE OF EVENT.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT A VERY LOW LEVEL FOR THE DURATION OF THE FORECAST PERIOD.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS AT QUIET LEVELS FOR THE PERIOD. THE ACTIVE CONDITIONS PREDICTED TO PRECEDE THE STORM DID NOT OCCUR.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT MINOR TO MAJOR STORM LEVELS ON 12 SEP. THIS SHOULD BE THE PEAK OF THE FORECAST CORONAL HOLE DISTURBANCE. ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED FOR 13 SEP AND THE FIELD SHOULD BE PREDOMINANTLY ACTIVE ON 13 SEP.
III. EVENT PROBABILITIES 12 SEP-14 SEP
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 11 SEP 079
PREDICTED 12 SEP-14 SEP 080/082/083
90 DAY MEAN 11 SEP 096
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 10 SEP 004/006
ESTIMATED AFR/AP 11 SEP 005/005
PREDICTED AFR/AP 12 SEP-14 SEP 030/050-020/030-018/018
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 12 SEP-14 SEP
A. MIDDLE LATITUDES
ACTIVE 40/40/30
MINOR STORM 30/30/20
MAJOR-SEVERE STORM 10/05/05
B. HIGH LATITUDES
ACTIVE 45/40/30
MINOR STORM 30/30/20
MAJOR-SEVERE STORM 20/10/05