JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 084 ISSUED AT 2200Z ON 25 MAR 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY WAS LOW. A FEW C-CLASS X-RAY BURSTS OCCURRED. NEW REGIONS 7460 (N21E45) AND 7461 (N05E78) WERE NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 7452 (S12W48) AND 7461 MAY PRODUCE C-CLASS FLARES.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO ACTIVE LEVELS FOR THE PAST 24 HOURS. MINOR TO MAJOR STORM LEVELS OCCURRED AT SOME HIGH LATITUDE STATIONS FROM 25/1200-1800Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS DURING THE FIRST TWO DAYS DUE TO THE FILAMENT DISAPPEARANCE OF 21 MARCH. THE FIELD IS EXPECTED TO DECLINE TO UNSETTLED TO ACTIVE LEVELS ON THE FINAL DAY AS FILAMENT EFFECTS SUBSIDE.
III. EVENT PROBABILITIES 26 MAR-28 MAR
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 25 MAR 117
PREDICTED 26 MAR-28 MAR 115/120/130
90 DAY MEAN 25 MAR 133
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 24 MAR 032/050
ESTIMATED AFR/AP 25 MAR 013/019
PREDICTED AFR/AP 26 MAR-28 MAR 025/030-025/025-015/025
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 26 MAR-28 MAR
A. MIDDLE LATITUDES
ACTIVE 40/40/25
MINOR STORM 30/30/15
MAJOR-SEVERE STORM 15/15/05
B. HIGH LATITUDES
ACTIVE 30/30/25
MINOR STORM 40/40/15
MAJOR-SEVERE STORM 25/25/05