JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 076 ISSUED AT 2200Z ON 17 MAR 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7448 (N17W14) REMAINED THE LARGEST SUNSPOT GROUP ON THE DISK AND CONTINUED TO PRODUCE SMALL SUBFLARES. THIS REGION APPEARS TO BE DECAYING SLOWLY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. AN ISOLATED M-CLASS FLARE IS POSSIBLE IN REGION 7448.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO ACTIVE. STORM CONDITIONS WERE OBSERVED AT SOME HIGH LATITUDE STATIONS FROM 17/09-12Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. AN UPSWING IN ACTIVITY MAY BE SEEN LATE ON THE THIRD DAY DUE TO A CORONAL HOLE.
III. EVENT PROBABILITIES 18 MAR-20 MAR
CLASS M 20/20/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 17 MAR 124
PREDICTED 18 MAR-20 MAR 120/120/120
90 DAY MEAN 17 MAR 135
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 16 MAR 025/028
ESTIMATED AFR/AP 17 MAR 018/018
PREDICTED AFR/AP 18 MAR-20 MAR 015/020-015/015-020/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 18 MAR-20 MAR
A. MIDDLE LATITUDES
ACTIVE 15/15/20
MINOR STORM 10/10/20
MAJOR-SEVERE STORM 05/05/10
B. HIGH LATITUDES
ACTIVE 25/25/25
MINOR STORM 15/15/20
MAJOR-SEVERE STORM 05/05/15