JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 356 ISSUED AT 2200Z ON 22 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY WAS LOW FOR MOST OF THE PERIOD. MODERATE ACTIVITY OCCURRED WHEN REGION 7640 (N08E47) PRODUCED AN M1/1B FLARE AT 22/1726Z.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE TO REMAIN AT A LOW LEVEL THROUGHOUT THE FORECAST. REGION 7640 IS STILL CAPABLE OF PRODUCING AN ISOLATED M-CLASS FLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. MINOR AND MAJOR STORM LEVELS WERE OBSERVED AT HIGH LATITUDES DURING THE LATE HOUR SECTORS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY QUIET THROUGHOUT THE FORECAST PERIOD.
III. EVENT PROBABILITIES 23 DEC-25 DEC
CLASS M 20/20/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 22 DEC 100
PREDICTED 23 DEC-25 DEC 102/104/105
90 DAY MEAN 22 DEC 098
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 21 DEC 013/012
ESTIMATED AFR/AP 22 DEC 010/010
PREDICTED AFR/AP 23 DEC-25 DEC 007/010-005/005-005/005
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 23 DEC-25 DEC
A. MIDDLE LATITUDES
ACTIVE 15/15/15
MINOR STORM 05/05/05
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 25/25/25
MINOR STORM 10/10/10
MAJOR-SEVERE STORM 05/05/05