JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 357 ISSUED AT 2200Z ON 23 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z
TO 23/2100Z: SOLAR ACTIVITY WAS LOW WITH REGION 7640 (N10E34)
PRODUCING MOST OF THE ACTIVITY IN THE FORM OF NUMEROUS C-CLASS
FLARES. RGN 7635 (N02W44) AND RGN 7641 (N05E33) APPEAR STABLE.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
BE LOW. THE INTERACTION OF RGNS 7640 AND 7641 COULD PRODUCE
M-CLASS ACIVITY AS THEY TRANSIT THE DISK.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS
FOR THE PAST 24 HOURS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE MOSTLY QUIET TO UNSETTLED.
III. EVENT PROBABILITIES 24 DEC-26 DEC
CLASS M 25/30/30
CLASS X 01/05/05
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 23 DEC 105
PREDICTED 24 DEC-26 DEC 107/110/112
90 DAY MEAN 23 DEC 098
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 22 DEC 009/010
ESTIMATED AFR/AP 23 DEC 006/010
PREDICTED AFR/AP 24 DEC-26 DEC 010/010-005/005-005/005
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 24 DEC-26 DEC
A. MIDDLE LATITUDES
ACTIVE 10/05/15
MINOR STORM 05/05/05
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 25/10/10
MINOR STORM 10/05/05
MAJOR-SEVERE STORM 01/01/01