JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 349 ISSUED AT 2200Z ON 15 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100Z TO 15/2100Z: SOLAR ACTIVITY WAS VERY LOW. ALL OF THE REGIONS ON THE DISK WERE QUIET AND STABLE. A 16 DEGREE FILAMENT NEAR S02W41 DISAPPEARED SOMETIME BETWEEN 14/2329-15/1214Z. THE ERUPTION WAS ALSO VISIBLE IN SOLAR X-RAY IMAGERY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MOSTLY QUIET LEVELS FOR THE PAST 24 HOURS. A WEAK IMPULSE WAS OBSERVED AROUND 2047Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE FOR THE NEXT 24 HOURS AS A RESULT OF CORONAL HOLE EFFECTS. CONDITIONS SHOULD SUBSIDE TO MOSTLY UNSETTLED LEVES FOR THE SECOND AND THIRD DAYS.
III. EVENT PROBABILITIES 16 DEC-18 DEC
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 15 DEC 085
PREDICTED 16 DEC-18 DEC 085/085/085
90 DAY MEAN 15 DEC 098
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 14 DEC 002/004
ESTIMATED AFR/AP 15 DEC 012/010
PREDICTED AFR/AP 16 DEC-18 DEC 020/025-015/015-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 16 DEC-18 DEC
A. MIDDLE LATITUDES
ACTIVE 35/30/15
MINOR STORM 25/20/05
MAJOR-SEVERE STORM 10/05/01
B. HIGH LATITUDES
ACTIVE 30/25/15
MINOR STORM 35/25/05
MAJOR-SEVERE STORM 15/10/01