JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 029 ISSUED AT 2200Z ON 29 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z TO 29/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO OPTICAL FLARES WERE OBSERVED TODAY. ALL SUNSPOT REGIONS ARE SMALL AND MAGNETICALLY SIMPLE.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. ISOLATED C CLASS FLARES ARE POSSIBLE IN REGIONS 7411 (S12W50) AND REGION 7412 (S14E53).
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD WAS QUIET.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET FOR THE NEXT FEW HOURS, BECOMING UNSETTLED TO ACTIVE DUE TO A RECURRENT DISTURBANCE. THE FIELD SHOULD RETURN TO QUIET TO UNSETTLED CONDITIONS BY THE END OF THE THREE DAY FORECAST PERIOD.
III. EVENT PROBABILITIES 30 JAN-01 FEB
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 29 JAN 114
PREDICTED 30 JAN-01 FEB 115/120/120
90 DAY MEAN 29 JAN 136
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 28 JAN 006/006
ESTIMATED AFR/AP 29 JAN 005/010
PREDICTED AFR/AP 30 JAN-01 FEB 020/020-015/015-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 30 JAN-01 FEB
A. MIDDLE LATITUDES
ACTIVE 35/35/20
MINOR STORM 15/15/10
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 25/25/20
MINOR STORM 30/30/10
MAJOR-SEVERE STORM 10/10/01