JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 028 ISSUED AT 2200Z ON 28 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY WAS LOW. THE LARGEST FLARE OF THE PAST DAY WAS A C1 REACHING A MAXIMUM AT 27/2139Z. NO OPTICAL ACTIVITY WAS OBSERVED TO TIE THIS X-RAY EVENT TO AN ACTIVE REGION CURRENTLY ON THE DISK. THE RATE OF GROWTH IN REGION 7411 (S12W37) HAS SLOWED. NEW REGION 7413 (N12E52) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. ISOLATED C CLASS FLARES ARE POSSIBLE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT 24 HOURS, BECOMING UNSETTLED TO ACTIVE DUE TO A RECURRENT DISTURBANCE.
III. EVENT PROBABILITIES 29 JAN-31 JAN
CLASS M 05/05/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 28 JAN 112
PREDICTED 29 JAN-31 JAN 115/120/120
90 DAY MEAN 28 JAN 136
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 27 JAN 009/010
ESTIMATED AFR/AP 28 JAN 006/006
PREDICTED AFR/AP 29 JAN-31 JAN 010/010-020/020-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 29 JAN-31 JAN
A. MIDDLE LATITUDES
ACTIVE 20/35/35
MINOR STORM 10/20/10
MAJOR-SEVERE STORM 01/05/01
B. HIGH LATITUDES
ACTIVE 20/15/25
MINOR STORM 10/35/30
MAJOR-SEVERE STORM 01/20/10