JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 003 ISSUED AT 2200Z ON 03 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: SOLAR ACTIVITY WAS LOW. THE ONLY FLARE OF THE PAST DAY WAS A C8/SF AT 02/2352Z IN REGION 7379 (S12W89). THIS IS A SMALL, DECAYING SUNSPOT GROUP NOW AT THE WEST LIMB. REGION 7388 (S08W43), WHICH EMERGED YESTERDAY, IS NOW GROWING RAPIDLY. PENUMBRA HAS ALREADY FORMED ON BOTH LEADER AND TRAILER SPOTS. NEW REGION 7390 (N12W35) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO MINOR STORM LEVELS AT MOST STATIONS FOR THE PAST 24 HOURS. THESE DISTURBED CONDITIONS HAD A GRADUAL ONSET WITH NO CLEAR SOLAR SOURCE.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY UNSETTLED AT MIDDLE LATITUDES AND ACTIVE TO STORM AT HIGH LATITUDES.
III. EVENT PROBABILITIES 04 JAN-06 JAN
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 03 JAN 125
PREDICTED 04 JAN-06 JAN 128/130/135
90 DAY MEAN 03 JAN 139
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 02 JAN 016/017
ESTIMATED AFR/AP 03 JAN 024/025
PREDICTED AFR/AP 04 JAN-06 JAN 018/018-018/018-010/012
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 04 JAN-06 JAN
A. MIDDLE LATITUDES
ACTIVE 60/60/40
MINOR STORM 30/30/10
MAJOR-SEVERE STORM 05/05/01
B. HIGH LATITUDES
ACTIVE 25/25/60
MINOR STORM 50/50/20
MAJOR-SEVERE STORM 15/15/10