JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 026 ISSUED AT 2200Z ON 26 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO FLARES OCCURRED DURING THE PAST DAY. A FIFTEEN DEGREE SECTION OF FILAMENT, CENTERED NEAR S45W00, DISAPPEARED SOMETIME BETWEEN 25/2300Z AND 26/1100Z. THIS ERUPTION WAS NOT OBSERVED OPTICALLY. OPERATORS OF THE YOHKOH SOFT X-RAY TELESCOPE REPORT A POSSIBLE POST-ERUPTION SIGNATURE OF BRIGHT CUSP-SHAPED STRUCTURES.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. A GENERAL TREND TOWARDS INCREASED ACTIVITY IS EXPECTED OVER THE NEXT FEW DAYS AS NEW REGIONS ROTATE INTO VIEW AT THE SOUTHEAST LIMB.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE AT MIDDLE LATITUDES AND ACTIVE TO STORM AT HIGH LATITUDES. THE MOST DISTURBED PERIODS OCCURRED FROM 26/0900-1500Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE BECOMING QUIET TO UNSETTLED.
III. EVENT PROBABILITIES 27 JAN-29 JAN
CLASS M 01/01/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 26 JAN 107
PREDICTED 27 JAN-29 JAN 110/115/120
90 DAY MEAN 26 JAN 137
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 25 JAN 019/018
ESTIMATED AFR/AP 26 JAN 021/020
PREDICTED AFR/AP 27 JAN-29 JAN 020/020-015/015-010/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 27 JAN-29 JAN
A. MIDDLE LATITUDES
ACTIVE 45/40/35
MINOR STORM 20/15/15
MAJOR-SEVERE STORM 10/05/05
B. HIGH LATITUDES
ACTIVE 30/25/15
MINOR STORM 45/35/25
MAJOR-SEVERE STORM 15/15/20