JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 266 ISSUED AT 2200Z ON 23 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY WAS LOW. RESURGENT REGION 7585 (S06E11), A SPOTLESS PLAGE YESTERDAY, GREW SUBSTANTIALLY TODAY. NOW AN EIGHT SPOT BIPOLE, IT PRODUCED NUMEROUS SUBFLARES, THE LARGEST A C1/0F AT 1527Z. NEWLY ASSIGNED REGION 7586 (S03E01) MAY ALREADY BE DEVOID OF SPOTS.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED. TWO SMALL SUDDEN IMPULSES WERE DETECTED AT BOULDER, MEASURING 8 GAMMA AT 1029Z, AND 11 GAMMA AT 1231Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY ACTIVE THE NEXT 24 HOURS WHEN CORONAL HOLE EFFECTS ARE DUE. UNSETTLED CONDITIONS SHOULD CLOSE THE PERIOD.
III. EVENT PROBABILITIES 24 SEP-26 SEP
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 23 SEP 078
PREDICTED 24 SEP-26 SEP 078/076/076
90 DAY MEAN 23 SEP 094
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 22 SEP 008/007
ESTIMATED AFR/AP 23 SEP 005/010
PREDICTED AFR/AP 24 SEP-26 SEP 020/025-015/015-010/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 24 SEP-26 SEP
A. MIDDLE LATITUDES
ACTIVE 45/40/25
MINOR STORM 35/30/15
MAJOR-SEVERE STORM 10/10/05
B. HIGH LATITUDES
ACTIVE 40/40/30
MINOR STORM 40/40/15
MAJOR-SEVERE STORM 15/15/05