JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 247 ISSUED AT 2200Z ON 04 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z TO 04/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7576 (N10E26) BECAME MORE ACTIVE AND PRODUCED TODAY'S ONLY C-CLASS EVENT: A C1/SN AT 1846Z THAT WAS ACCOMPANIED BY A TYPE II RADIO SWEEP. THE REGION ALSO PRODUCED A FEW SUBFLARES DURING THE PERIOD. A HIGH LATITUDE GROUP EMERGED ON THE DISK TODAY AND WAS ASSIGNED SESC REGION NUMBER 7578 (S28E37).
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD RANGED FROM QUIET TO STORM LEVELS DURING THE PERIOD. FROM ABOUT 03/2300Z TO 04/1000Z THE MID-LATITUDES SITES WERE AT ACTIVE TO MINOR STORM LEVELS AND THE HIGH-LATITUDES WERE AT ACTIVE TO MAJOR STORM LEVELS. CONDITIONS SUBSIDED SHORTLY THEREAFTER AND WERE PREDOMINANTLY QUIET TO UNSETTLED FROM 1000Z THROUGH THE END OF THE PERIOD.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED WITH ISOLATED ACTIVE PERIODS OVER THE NEXT 24 HOURS. CONDITIONS SHOULD BE GENERALLY UNSETTLED FOR THE REMAINDER OF THE FORECAST PERIOD.
III. EVENT PROBABILITIES 05 SEP-07 SEP
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 04 SEP 079
PREDICTED 05 SEP-07 SEP 080/080/085
90 DAY MEAN 04 SEP 098
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 03 SEP 028/034
ESTIMATED AFR/AP 04 SEP 025/035
PREDICTED AFR/AP 05 SEP-07 SEP 015/015-010/010-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 05 SEP-07 SEP
A. MIDDLE LATITUDES
ACTIVE 25/25/20
MINOR STORM 15/15/10
MAJOR-SEVERE STORM 05/05/05
B. HIGH LATITUDES
ACTIVE 25/25/20
MINOR STORM 15/15/10
MAJOR-SEVERE STORM 05/05/05