JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 239 ISSUED AT 2200Z ON 27 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY WAS VERY LOW. ALL ACTIVE REGIONS ON THE DISK REMAIN STABLE. LIMB X-RAY IMAGERY INDICATES THE RETURN OF REGION 7562 (N09E90, 1 M-FLARE LAST ROTATION) SHOULD BE UNEVENTFUL.
IB. SOLAR ACTIVITY FORECAST: VERY LOW LEVELS ARE EXPECTED.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS AT MID-LATITUDES AND SEVERE STORM LEVELS AT SOME HIGH LATITUDE STATIONS FOR THE PAST SIX HOURS. GOES-6 RECORDED MAGNETOPAUSE CROSSINGS FROM 27/1630-1700Z. THE CAUSE OF THIS DISTURBANCE MAY HAVE BEEN A DISAPPEARING FILAMENT. A CORONAL HOLE MAY HAVE CONTRIBUTED TO THIS DISTURBANCE AS WELL.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. BRIEF PERIODS OF MINOR STORM LEVELS MAY OCCUR DURING THE NEXT 12 HOURS DUE TO SUBSTORMS.
III. EVENT PROBABILITIES 28 AUG-30 AUG
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 27 AUG 088
PREDICTED 28 AUG-30 AUG 085/085/085
90 DAY MEAN 27 AUG 102
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 26 AUG 007/006
ESTIMATED AFR/AP 27 AUG 015/018
PREDICTED AFR/AP 28 AUG-30 AUG 015/020-015/015-010/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 28 AUG-30 AUG
A. MIDDLE LATITUDES
ACTIVE 30/30/15
MINOR STORM 15/15/10
MAJOR-SEVERE STORM 05/05/01
B. HIGH LATITUDES
ACTIVE 40/40/30
MINOR STORM 25/25/15
MAJOR-SEVERE STORM 10/10/05