JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 067 ISSUED AT 2200Z ON 08 MAR 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7440 (S06W01) STILL REMAINS WITH HIGH FLARE POTENTIAL. TWO NEW REGIONS WERE NUMBERED TODAY, REGION 7445 (N02E14) AND REGION 7446 (N11E26).
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. REGION 7440 CONTINUES TO HAVE THE POTENTIAL FOR PRODUCING M-CLASS ACTIVITY.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO ACTIVE LEVELS FOR THE PAST 24 HOURS. HIGH LATITUDES REACHED ISOLATED PERIODS OF MINOR TO MAJOR STORM LEVELS DURING THE NIGHT.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO MINOR STORM LEVELS FOR THE FIRST TWO DAYS. UNSETTLED CONDITIONS SHOULD END THE PERIOD.
III. EVENT PROBABILITIES 09 MAR-11 MAR
CLASS M 60/60/60
CLASS X 15/15/15
PROTON 25/25/25
PCAF YELLOW
IV. PENTICTON 10.7 CM FLUX
OBSERVED 08 MAR 146
PREDICTED 09 MAR-11 MAR 145/145/140
90 DAY MEAN 08 MAR 137
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 07 MAR 019/013
ESTIMATED AFR/AP 08 MAR 021/020
PREDICTED AFR/AP 09 MAR-11 MAR 035/040-025/025-010/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 09 MAR-11 MAR
A. MIDDLE LATITUDES
ACTIVE 10/30/25
MINOR STORM 45/25/15
MAJOR-SEVERE STORM 40/20/05
B. HIGH LATITUDES
ACTIVE 05/35/25
MINOR STORM 40/25/15
MAJOR-SEVERE STORM 50/30/05