JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 232 ISSUED AT 2200Z ON 20 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY WAS VERY LOW. TWO B-CLASS X-RAY BURSTS OCCURRED. ALL SUNSPOT REGIONS WERE QUIET AND STABLE. NO NEW REGIONS WERE ASSIGNED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. A BRIEF PERIOD OF SUBSTORMING OCCURRED AT SOME HIGH LATITUDE STATIONS NEAR 20/0900Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET DURING THE FIRST DAY. MOSTLY UNSETTLED LEVELS ARE EXPECTED FOR THE REST OF THE PERIOD.
III. EVENT PROBABILITIES 21 AUG-23 AUG
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 20 AUG 092
PREDICTED 21 AUG-23 AUG 090/090/085
90 DAY MEAN 20 AUG 104
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 19 AUG 013/013
ESTIMATED AFR/AP 20 AUG 008/008
PREDICTED AFR/AP 21 AUG-23 AUG 005/007-010/010-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 21 AUG-23 AUG
A. MIDDLE LATITUDES
ACTIVE 10/25/25
MINOR STORM 05/10/10
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 15/30/30
MINOR STORM 05/10/10
MAJOR-SEVERE STORM 01/05/05