JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 230 ISSUED AT 2200Z ON 18 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY WAS VERY LOW. FOUR OPTICALLY UNCORRELATED B-CLASS X-RAY BURSTS OCCURRED. REGION 7566 (S08E62) SHOWED MINOR GROWTH. NEW REGION 7567 (S16W65) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. REGION 7566 PROVIDES A FAIR CHANCE FOR A C-CLASS SUBFLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO ACTIVE LEVELS FOR THE PAST 24 HOURS. THE ACTIVE LEVELS BEGAN NEAR 18/0600Z AND DECLINED TO MOSTLY QUIET LEVELS BY THE END OF THE PERIOD. MINOR TO MAJOR STORM LEVELS WERE REPORTED AT SOME HIGH LATITUDE STATIONS. THIS ACTIVITY WAS MOST LIKELY DUE TO CORONAL HOLE EFFECTS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT QUIET TO UNSETTLED LEVELS.
III. EVENT PROBABILITIES 19 AUG-21 AUG
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 18 AUG 092
PREDICTED 19 AUG-21 AUG 090/090/090
90 DAY MEAN 18 AUG 103
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 17 AUG 024/035
ESTIMATED AFR/AP 18 AUG 018/020
PREDICTED AFR/AP 19 AUG-21 AUG 005/010-005/010-005/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 19 AUG-21 AUG
A. MIDDLE LATITUDES
ACTIVE 10/10/10
MINOR STORM 05/05/05
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 15/15/15
MINOR STORM 05/05/05
MAJOR-SEVERE STORM 01/01/01