JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 216 ISSUED AT 2200Z ON 04 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z TO 04/2100Z: SOLAR ACTIVITY WAS LOW. CLOUDS PROBABLY PREVENTED THE OBSERVATION OF A C6 X-RAY FLARE AT 0225Z, THE ONLY C-CLASS EVENT OF THE PERIOD. REGION 7558 (N12E50) REMAINS THE DOMINANT FEATURE ON AN OTHERWISE DULL DISK. IT MEASURES 270 MILLIONTHS IN WHITE LIGHT.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD VARIED BETWEEN QUIET AND ACTIVE LEVELS OVER THE PAST 24 HOURS. A WEAK DISTURBANCE BEGAN ABOUT 1600Z, PROBABLY ASSOCIATED WITH A WESTERN HEMISPHERE CORONAL HOLE.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY ACTIVE OVER THE NEXT 24 HOURS, THEN UNSETTLED THROUGH THE END OF THE INTERVAL.
III. EVENT PROBABILITIES 05 AUG-07 AUG
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 04 AUG 096
PREDICTED 05 AUG-07 AUG 095/090/090
90 DAY MEAN 04 AUG 106
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 03 AUG 007/004
ESTIMATED AFR/AP 04 AUG 013/012
PREDICTED AFR/AP 05 AUG-07 AUG 020/020-015/020-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 05 AUG-07 AUG
A. MIDDLE LATITUDES
ACTIVE 35/30/30
MINOR STORM 15/15/15
MAJOR-SEVERE STORM 15/05/05
B. HIGH LATITUDES
ACTIVE 35/35/30
MINOR STORM 20/20/15
MAJOR-SEVERE STORM 15/15/05