JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 353 ISSUED AT 2200Z ON 19 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY REMAINED VERY LOW. CURRENT DISK REGIONS WERE GENERALLY STABLE OR DECLINING. MINOR OPTICAL SURGING WAS VISIBLE AT THE NORTHEAST LIMB WHERE OLD REGION 7624 IS DUE TO RETURN.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. AN ISOLATED C-CLASS EVENT IS POSSIBLE FROM REGION 7635 (N01E12) OR FROM THE EAST LIMB WHERE SEVERAL SMALL REGIONS ARE DUE TO RETURN DURING THE FORECAST PERIOD.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE FIELD WAS QUIET TO UNSETTLED. THE FILAMENT RELATED DISTURBANCE DID NOT BEGIN AT THE TIME EXPECTED.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE UNSETTLED TO SLIGHTLY ACTIVE ON 20 DEC, UNSETTLED ON 21 DEC, AND QUIET TO UNSETTLED ON 22 DEC.
III. EVENT PROBABILITIES 20 DEC-22 DEC
CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 19 DEC 087
PREDICTED 20 DEC-22 DEC 086/087/085
90 DAY MEAN 19 DEC 098
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 18 DEC 013/013
ESTIMATED AFR/AP 19 DEC 010/012
PREDICTED AFR/AP 20 DEC-22 DEC 015/015-012/012-007/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 20 DEC-22 DEC
A. MIDDLE LATITUDES
ACTIVE 30/25/15
MINOR STORM 15/10/05
MAJOR-SEVERE STORM 05/01/01
B. HIGH LATITUDES
ACTIVE 30/25/15
MINOR STORM 15/10/05
MAJOR-SEVERE STORM 05/01/01