JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 342 ISSUED AT 2200Z ON 08 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7629 (S21W13) CONTINUED TO SIMPLIFY, PRODUCING TWO C-CLASS FLARES IN THE PROCESS. A 17 DEGREE-LONG FILAMENT DISAPPEARED FROM S39E32 EARLY IN THE DAY. A PROMINENCE ERUPTED FROM N13E90 DURING THE LATTER PART OF THE PERIOD.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD VARIED FROM UNSETTLED TO MAJOR STORM CONDITIONS OVER THE PAST 24 HOURS. THIS DISTURBANCE IS OCCURRING DURING WHAT HAD BEEN A RECURRENT QUIET INTERVAL OVER THE PAST FIVE MONTHS. IT IS NOT CLEAR AS TO WHAT TRANSITORY PHENOMENON CAUSED THE STORMING.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE OVER THE NEXT 24 HOURS, AS THE DISTURBANCE WANES. STRICTLY UNSETTLED CONDITIONS SHOULD END THE PERIOD.
III. EVENT PROBABILITIES 09 DEC-11 DEC
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 08 DEC 105
PREDICTED 09 DEC-11 DEC 105/100/100
90 DAY MEAN 08 DEC 097
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 07 DEC 013/015
ESTIMATED AFR/AP 08 DEC 047/052
PREDICTED AFR/AP 09 DEC-11 DEC 015/023-010/015-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 09 DEC-11 DEC
A. MIDDLE LATITUDES
ACTIVE 50/30/15
MINOR STORM 25/15/05
MAJOR-SEVERE STORM 05/05/01
B. HIGH LATITUDES
ACTIVE 45/35/30
MINOR STORM 35/25/10
MAJOR-SEVERE STORM 10/05/05