JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 010 ISSUED AT 2200Z ON 10 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7394 (S17W45) PRODUCED THE ONLY FLARE ACTIVITY OF NOTE, A C6/SF AT 10/1337UT. REGION 7387 (S22W49) AND 7386 (S05W52) EACH HAD A SINGLE SUB-FAINT FLARE AS WELL.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 7394 AND 7398 (N08E16) HAVE THE BEST POTENTIAL TO PRODUCE C-CLASS ACTIVITY. REGION 7394 HOLDS A VERY SMALL CHANCE OF AN ISOLATED M-CLASS FLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO ACTIVE LEVELS FOR THE PAST 24 HOURS. ALL STATIONS SAW A SHORT PERIOD OF MAJOR TO SEVERE STORM LEVELS FROM 10/0900 TO 10/1200 UT. THIS MAY HAVE BEEN DUE TO A CME PRODUCED BY THE LDE WITH AN AN ASSOCIATED TYPE II AND IV SWEEP ON THE SEVENTH.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.
III. EVENT PROBABILITIES 11 JAN-13 JAN
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 10 JAN 132
PREDICTED 11 JAN-13 JAN 130/130/125
90 DAY MEAN 10 JAN 140
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 09 JAN 011/014
ESTIMATED AFR/AP 10 JAN 024/030
PREDICTED AFR/AP 11 JAN-13 JAN 012/010-010/010-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 11 JAN-13 JAN
A. MIDDLE LATITUDES
ACTIVE 20/15/10
MINOR STORM 05/05/05
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 25/20/15
MINOR STORM 15/10/05
MAJOR-SEVERE STORM 05/05/01