JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 337 ISSUED AT 2200Z ON 03 DEC 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 7627 (S18E31) AND NEWLY ASSIGNED REGION 7629 (S22E55) PRODUCED THE ONLY ACTION THIS PERIOD. ALL ACTIVITY WAS IN THE B-CLASS/SF RANGE. A TYPE II SWEEP WAS REPORTED BY LEARMONTH, CULGOORA, AND SAN VITO AT 0636. NO OPTICAL CORRELATION WAS NOTED. ONE OTHER REGION WAS NUMBERED LAST NIGHT, REGION 7630 (S10E56). ALL OTHERS REGIONS APPEAR DORMANT.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 7627 AND NEW REGION 7629 PROVIDE THE GREATEST POTENTIAL FOR FLARE ACTIVITY AT THE MOMENT.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO MINOR STORM LEVELS AT MID LATITUDES AND ACTIVE TO SEVERE STORM AT HIGH LATITUDES. SINCE 18Z, THE FIELD HAS SETTLED DOWN AT BOTH MID AND HIGH LATITUDES TO MOSTLY UNSETTLED. ACTIVITY IS MOST LIKELY A RESULT OF A FAVORABLY POSITIONED CORONAL HOLE.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS ON DAY ONE DECLINING TO MOSTLY UNSETTLED LEVELS ON DAYS TWO AND THREE AS CORONAL EFFECTS ARE LESSENED.
III. EVENT PROBABILITIES 04 DEC-06 DEC
CLASS M 15/20/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 03 DEC 106
PREDICTED 04 DEC-06 DEC 110/110/105
90 DAY MEAN 03 DEC 095
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 02 DEC 032/039
ESTIMATED AFR/AP 03 DEC 029/040
PREDICTED AFR/AP 04 DEC-06 DEC 020/020-015/015-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 04 DEC-06 DEC
A. MIDDLE LATITUDES
ACTIVE 35/20/10
MINOR STORM 20/10/05
MAJOR-SEVERE STORM 10/01/01
B. HIGH LATITUDES
ACTIVE 40/20/20
MINOR STORM 30/10/10
MAJOR-SEVERE STORM 15/05/01