JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 012 ISSUED AT 2200Z ON 12 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7391 (S12W25) WAS THE MOST ACTIVE REGION TODAY. IT PRODUCED THREE C-CLASS FLARES, THE LARGEST OF WHICH WAS A C6/SN AT 12/1437 UT, AND SHOWED RAPID REDEVELOPMENT AFTER A PERIOD OF SLOW DECAY. REGION 7394 (S17W72) PRODUCED THE ONLY OTHER C-CLASS FLARE ACTIVITY, A C3/SF AT 12/1045 UT.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 7394, 7398 (N08W11), 7399 (N08W26), AND 7391 ALL HAVE C-CLASS ACTIVITY POTENTIAL. REGION 7394 SHOWS THE BEST CHANCE OF AN ISOLATED M-CLASS FLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED.
III. EVENT PROBABILITIES 13 JAN-15 JAN
CLASS M 10/15/15
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 12 JAN 140
PREDICTED 13 JAN-15 JAN 135/135/130
90 DAY MEAN 12 JAN 141
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 11 JAN 017/018
ESTIMATED AFR/AP 12 JAN 007/010
PREDICTED AFR/AP 13 JAN-15 JAN 010/010-015/015-010/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 13 JAN-15 JAN
A. MIDDLE LATITUDES
ACTIVE 20/25/20
MINOR STORM 10/15/10
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 20/30/20
MINOR STORM 10/10/10
MAJOR-SEVERE STORM 01/01/01