JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 007 ISSUED AT 2200Z ON 07 JAN 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7386 (S05W12) PRODUCED A C2/1N FLARE AT 07/0855Z WHICH WAS ASSOCIATED WITH A MINOR TYPE II SWEEP AND A SIGNIFICANT TYPE IV SWEEP. THIS REGION DISPLAYED NO SIGNIFICANT CHANGES IN SIZE OR STRUCTURE. THE SAME WAS TRUE OF REGION 7387 (S23W09). NEW REGIONS 7396 (S12E27) AND 7397 (N11W62) WERE NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. ISOLATED C-CLASS SUBFLARING MAY OCCUR WITHIN REGIONS 7386 AND 7387.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. HIGH LATITUDE MINOR TO MAJOR STORM CONDITIONS BEGAN AFTER 07/0900Z AND PERSISTED FOR THE REST OF THE PERIOD.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY UNSETTLED. PERIODS OF ACTIVE LEVELS MAY OCCUR DURING THE FINAL TWO DAYS DUE TO CORONAL HOLE EFFECTS.
III. EVENT PROBABILITIES 08 JAN-10 JAN
CLASS M 20/20/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 07 JAN 131
PREDICTED 08 JAN-10 JAN 135/140/145
90 DAY MEAN 07 JAN 139
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 06 JAN 013/011
ESTIMATED AFR/AP 07 JAN 013/013
PREDICTED AFR/AP 08 JAN-10 JAN 012/012-015/015-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 08 JAN-10 JAN
A. MIDDLE LATITUDES
ACTIVE 20/25/35
MINOR STORM 10/10/15
MAJOR-SEVERE STORM 01/05/10
B. HIGH LATITUDES
ACTIVE 25/30/40
MINOR STORM 15/20/20
MAJOR-SEVERE STORM 01/10/15