JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 268 ISSUED AT 2200Z ON 25 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY WAS LOW. TWO LONG-DURATION C2 X-RAY FLARES HIGHLIGHTED THE DAY, AT 0858Z AND MORE RECENTLY AT 2049Z. REGION 7585 (S07W15) IS THE PROBABLE SOURCE OF BOTH. TWO NEW REGIONS WERE ASSIGNED, 7587 (N04W35) AND 7588 (N21E06).
***PLEASE NOTE: PENTICTON HAS CORRECTED THEIR 10.7 CM FLUX VALUES FROM SEPTEMBER 23 AND 24. CHANGE THESE TO BE 82 AND 90, RESPECTIVELY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE VERY EARLY IN THE PERIOD. THESE SHORT-LIVED CONDITIONS GAVE WAY TO QUIET TO UNSETTLED LEVELS THE REMAINDER.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE PREDOMINANTLY UNSETTLED THE NEXT THREE DAYS.
III. EVENT PROBABILITIES 26 SEP-28 SEP
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 25 SEP 096
PREDICTED 26 SEP-28 SEP 100/100/095
90 DAY MEAN 25 SEP 093
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 24 SEP 017/013
ESTIMATED AFR/AP 25 SEP 011/009
PREDICTED AFR/AP 26 SEP-28 SEP 010/010-010/010-005/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 26 SEP-28 SEP
A. MIDDLE LATITUDES
ACTIVE 25/25/20
MINOR STORM 15/10/10
MAJOR-SEVERE STORM 05/05/05
B. HIGH LATITUDES
ACTIVE 30/30/30
MINOR STORM 15/15/15
MAJOR-SEVERE STORM 05/05/05