JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 267 ISSUED AT 2200Z ON 24 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7585 (S07W02) CONTINUED ITS DRAMATIC GROWTH, NOW MEASURING 200 MILLIONTHS IN WHITE LIGHT AREA AND NUMBERING 20 SPOTS. THE MAGNETIC CONFIGURATION REMAINS ESSENTIALLY BIPOLAR, AS EVIDENCED BY ITS ABILITY TO PRODUCE JUST SMALL FLARES TO THIS POINT. THE LARGEST OFFERING TODAY WAS A C1/0F AT 0517Z. THIS IS THE SOLE SPOTTED REGION ON AN OTHERWISE DULL DISK. TODAY'S 10.7 CM FLUX IS THE LOWEST IN YEARS.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW, PENDING FURTHER DEVELOPMENT IN REGION 7585.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MOSTLY UNSETTLED. THE GEO-PHYSICAL RESPONSE TO THE LOBE OF THE SOUTHERN POLAR CROWN CORONAL HOLE HAS BEEN MODEST.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO MILDLY ACTIVE EARLY ON, THEN RELAX TO QUIET TO UNSETTLED LEVELS BY THE END OF THE INTERVAL.
III. EVENT PROBABILITIES 25 SEP-27 SEP
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 24 SEP 070
PREDICTED 25 SEP-27 SEP 070/072/072
90 DAY MEAN 24 SEP 093
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 23 SEP 008/008
ESTIMATED AFR/AP 24 SEP 015/013
PREDICTED AFR/AP 25 SEP-27 SEP 015/015-010/010-005/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 25 SEP-27 SEP
A. MIDDLE LATITUDES
ACTIVE 35/25/20
MINOR STORM 25/10/10
MAJOR-SEVERE STORM 10/05/05
B. HIGH LATITUDES
ACTIVE 40/30/30
MINOR STORM 40/15/15
MAJOR-SEVERE STORM 15/05/05