JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 259 ISSUED AT 2200Z ON 16 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY WAS LOW. THE RECENT DROUGHT OF SOLAR ACTIVITY WAS ENDED BY A C6/2N FLARE FROM REGION 7581 (S11E49) AT 16/1750Z. SLIGHT GROWTH WAS REPORTED IN THE REGION PRIOR TO THE FLARE OCCURRENCE. NEW REGION 7583 (S20E04) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. REGION 7581 MAY PRODUCE AN ISOLATED C-CLASS FLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET LEVELS FOR THE PAST 24 HOURS AT MIDDLE LATITUDES. UNSETTLED TO ACTIVE LEVELS OCCURRED AT HIGH LATITUDES FROM AROUND 16/1100-1500Z.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT QUIET TO UNSETTLED LEVELS.
III. EVENT PROBABILITIES 17 SEP-19 SEP
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 16 SEP 088
PREDICTED 17 SEP-19 SEP 090/090/090
90 DAY MEAN 16 SEP 095
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 15 SEP 018/017
ESTIMATED AFR/AP 16 SEP 005/007
PREDICTED AFR/AP 17 SEP-19 SEP 005/012-005/010-005/010
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 17 SEP-19 SEP
A. MIDDLE LATITUDES
ACTIVE 15/10/10
MINOR STORM 10/05/05
MAJOR-SEVERE STORM 01/01/01
B. HIGH LATITUDES
ACTIVE 20/10/10
MINOR STORM 15/05/05
MAJOR-SEVERE STORM 01/01/01