JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 086 ISSUED AT 2200Z ON 27 MAR 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7461 (N03E55) PRODUCED A C1/SF FLARE AT 27/2011UT. THE ONLY OTHER CLASS C ACTIVITY WAS AN UNCORRELATED C1 EVENT AT 27/1636UT. REGION 7461 IS THE MOST ACTIVE REGION ON THE SUN, NOW AN EKO SPOT GROUP. REGIONS 7463 (S15E74) AND 7464 (N09E27) WERE NUMBERED TODAY.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 7461 HAS THE BEST CHANCE OF CLASS C ACTIVITY AND AN OUTSIDE CHANCE OF AN ISOLATED CLASS M EVENT. REGIONS 7452 (S11W74) AND 7463 HAVE A FAIR CHANCE OF ISOLATED CLASS C FLARES.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: 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 MOSTLY QUIET WITH PERIODS OF UNSETTLED CONDITIONS FOR THE ENTIRE FORECAST PERIOD.
III. EVENT PROBABILITIES 28 MAR-30 MAR
CLASS M 10/10/15
CLASS X 01/01/05
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 27 MAR 123
PREDICTED 28 MAR-30 MAR 125/130/140
90 DAY MEAN 27 MAR 133
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 26 MAR 006/008
ESTIMATED AFR/AP 27 MAR 008/012
PREDICTED AFR/AP 28 MAR-30 MAR 015/015-015/015-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 28 MAR-30 MAR
A. MIDDLE LATITUDES
ACTIVE 30/25/25
MINOR STORM 15/15/15
MAJOR-SEVERE STORM 05/05/05
B. HIGH LATITUDES
ACTIVE 25/25/25
MINOR STORM 25/25/25
MAJOR-SEVERE STORM 05/05/05