JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 085 ISSUED AT 2200Z ON 26 MAR 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY WAS LOW BECAUSE OF A SINGLE, UNCORRELATED C1 X-RAY EVENT. NO REGION WAS X-RAY FLARE ACTIVE TODAY. A BSL, B6 IN X-RAYS AND WITH AN ASSOCIATED TYPE II SWEEP, OCCURRED AT 26/1410UT NEAR S12E90. THE REMAINDER OF TODAY'S ACTIVITY WAS UNCORRELATED B-CLASS EVENTS.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 7452 (S12W61) AND 7461 (N04E68) HAVE THE BEST C-CLASS FLARE POTENTIAL AND AN OUTSIDE CHANCE OF AN ISOLATED M-CLASS FLARE.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: 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 UNSETTLED TO ACTIVE FOR THE NEXT 24 HOURS, THEN MOSTLY UNSETTLED FOR THE REMAINDER OF THE FORECAST PERIOD.
III. EVENT PROBABILITIES 27 MAR-29 MAR
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 26 MAR 117
PREDICTED 27 MAR-29 MAR 120/125/130
90 DAY MEAN 26 MAR 133
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 25 MAR 013/018
ESTIMATED AFR/AP 26 MAR 008/010
PREDICTED AFR/AP 27 MAR-29 MAR 020/030-015/018-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 27 MAR-29 MAR
A. MIDDLE LATITUDES
ACTIVE 30/25/25
MINOR STORM 20/15/15
MAJOR-SEVERE STORM 10/05/05
B. HIGH LATITUDES
ACTIVE 30/35/30
MINOR STORM 30/30/25
MAJOR-SEVERE STORM 15/05/05