JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 269 ISSUED AT 2200Z ON 26 SEP 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z
TO 26/2100Z: SOLAR ACTIVITY WAS LOW. HOWEVER, STRONG SURGING
NEAR N13E90 AND A LONG-DURATION C2 TENFLARE WITH TYPES II AND IV
SWEEP AT 0237Z HERALDED THE ARRIVAL OF A NEW ACTIVE REGION
TO THE VISIBLE DISK. PRELIMINARY REPORTS INDICATE THERE MAY BE
A MATURE H-TYPE SPOT COMING INTO VIEW FOR THIS AS YET UNNUMBERED
REGION. A JUMP IN TODAY'S 10.7 CM FLUX, AS WELL AS FREQUENT
TYPE III SWEEP AND A 245 MHZ RADIO NOISE STORM, ALL LEND SUPPORT
TO THE POTENTIAL VOLATILITY OF THIS NEW SPOT GROUP. ELSEWHERE,
REGION 7585 (S07W28) CONTINUED TO GROW WHILE PRODUCING
OCCASIONAL SUBFLARES.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW, WITH AN INCREASING CHANCE OF ATTAINING MODERATE LEVELS
DURING THE FORECAST PERIOD.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED.
III. EVENT PROBABILITIES 27 SEP-29 SEP
CLASS M 30/30/30
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 26 SEP 106
PREDICTED 27 SEP-29 SEP 115/120/125
90 DAY MEAN 26 SEP 093
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 25 SEP 010/009
ESTIMATED AFR/AP 26 SEP 010/012
PREDICTED AFR/AP 27 SEP-29 SEP 010/010-010/010-010/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 27 SEP-29 SEP
A. MIDDLE LATITUDES
ACTIVE 25/20/20
MINOR STORM 15/10/10
MAJOR-SEVERE STORM 05/05/05
B. HIGH LATITUDES
ACTIVE 30/20/20
MINOR STORM 15/15/15
MAJOR-SEVERE STORM 05/05/05