JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 225 ISSUED AT 2200Z ON 13 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY WAS LOW. REGION 7563 (S01E35) WAS THE MOST ACTIVE REGION OF THE PAST DAY, PRODUCING TWO C-CLASS FLARES. THE MOST SIGNIFICANT WAS A C1/SF AT 13/1243Z THAT WAS ASSOCIATED WITH A 5500 SFU RADIO BURST AT 245 MHZ. THIS REGION HAS DECAYED SINCE YESTERDAY. NEW REGION 7565 (S09E67) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. ADDITIONAL C-CLASS FLARES ARE EXPECTED IN REGION 7563.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS QUIET.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY QUIET FOR THE NEXT DAY, BECOMING UNSETTLED TO ACTIVE BY 16 AUGUST DUE TO A CORONAL HOLE.
III. EVENT PROBABILITIES 14 AUG-16 AUG
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 13 AUG 097
PREDICTED 14 AUG-16 AUG 095/095/095
90 DAY MEAN 13 AUG 104
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 12 AUG 008/009
ESTIMATED AFR/AP 13 AUG 007/008
PREDICTED AFR/AP 14 AUG-16 AUG 005/010-010/012-020/025
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 14 AUG-16 AUG
A. MIDDLE LATITUDES
ACTIVE 10/15/30
MINOR STORM 05/10/10
MAJOR-SEVERE STORM 01/01/05
B. HIGH LATITUDES
ACTIVE 10/15/45
MINOR STORM 05/10/20
MAJOR-SEVERE STORM 01/01/10