JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 213 ISSUED AT 2200Z ON 01 AUG 1993
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100Z TO 01/2100Z: SOLAR ACTIVITY LOW. THE ONLY C FLARE DURING THE PAST 24 HOURS WAS A C1 FLARE AT 1751UT. THIS EVENT MAY HAVE ORIGINATED FROM BEHIND THE EAST LIMB; SURGE ACTIVITY WAS OBSERVED ON THE EAST LIMB AT N15 DURING THIS PERIOD. AN H TYPE SPOT, NUMBERED REGION 7558 (N15E89), IS CURRENTLY ROTATING ON TO THE DISK AT THIS LOCATION. REGION 7557 (S17E71), A SMALL H TYPE SPOT GROUP, WAS ALSO NUMBERED. ALL OTHER SUNSPOT GROUPS ARE SMALL AND SIMPLE.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. REGION 7558 IS THE MOST LIKELY SOURCE OF ANY INCREASED ACTIVITY.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET LEVELS FOR THE PAST 24 HOURS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED EARLY IN THE PERIOD. THE FIELD IS EXPECTED TO BECOME ACTIVE LATE IN THE PERIOD AS A CONSEQUENCE OF A FAVORABLY LOCATED CORONAL HOLE.
III. EVENT PROBABILITIES 02 AUG-04 AUG
CLASS M 02/03/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. PENTICTON 10.7 CM FLUX
OBSERVED 01 AUG 100
PREDICTED 02 AUG-04 AUG 100/100/095
90 DAY MEAN 01 AUG 107
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 31 JUL 007/006
ESTIMATED AFR/AP 01 AUG 003/007
PREDICTED AFR/AP 02 AUG-04 AUG 005/010-010/010-015/015
VI. GEOMAGNETIC ACTIVITY PROBABILITIES 02 AUG-04 AUG
A. MIDDLE LATITUDES
ACTIVE 05/10/35
MINOR STORM 05/05/10
MAJOR-SEVERE STORM 01/01/05
B. HIGH LATITUDES
ACTIVE 20/20/30
MINOR STORM 10/10/15
MAJOR-SEVERE STORM 05/05/05