HFUS3 BOU 222200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 174
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 22 JUN 1984
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY WAS LOW. REGION 4520 (S15E10) PRODUCED A B8/0N EVENT AT 22/1500Z. THIS SUB-FLARE WAS JUST BELOW THE BRILLIANT THRESHOLD. THIS REGION CONTAINED ARCHED FILAMENT SYSTEMS AND AN ACTIVE DARK FILAMENT HAD FORMED AROUND THE LEADING EDGE. NEW REGION 4521 (S13E73) WAS A SIMPLE H-TYPE.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 4520 PROVIDES A VERY SLIGHT CHANCE OF MODERATE LEVELS AS IT CONTINUES TO DRAMATICALLY EXPAND ITS SPOT NUMBER AND SIZE IN WHITE-LIGHT.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED. BRIEF MINOR STORM LEVELS WERE REPORTED AT HIGH LATITUDES.
IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE THE FIRST DAY (23 JUN); BECOMING ACTIVE TO MINOR STORM LEVELS THROUGHOUT THE SECOND AND THIRD DAYS (24-25 JUN) AS THE EFFECTS OF THE DISAPPEARING FILAMENT AT S03W34 ON 21/1342Z ENHANCE THE RECURRENT ACTIVE CARRINGTON LONGITUDES OF THOSE DAYS. MAJOR STORM LEVELS ARE POSSIBLE DURING NIGHTTIME PERIODS AT HIGH LATITUDES.
III. EVENT PROBABILITIES 23 JUN-25 JUN
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 22 JUN 101
PREDICTED 23 JUN-25 JUN 098/098/099
90 DAY MEAN 22 JUN 122
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 21 JUN 004/009
ESTIMATED AFR/AP 22 JUN 008/015
PREDICTED AFR/AP 23 JUN-25 JUN 020/025-025/030-020/020
SOLTERWARN
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