HFUS 1 BOU 212200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 172
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 JUNE 1979
IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1819 (S28E41) WHICH IS
BETA-GAMMA AND REVERSED POLARITY HAS PRODUCED 3 SUBFLARES OF WHICH
ONLY ONE (DUAL MAX 1836Z, 1823Z) PRODUCED A C-CLASS X-RAY EVENT.
THIS REGION (1819) IS THE MOST DYNAMIC PRESENTLY ON THE DISK BUT
STILL MUST BE CLASSIFIED AS A SMALL REGION. REGION 1820 (S23E10)
HAS NOT PRODUCED ANY SIGNIFICANT ACTIVITY BUT CONTINUES TO DISPLAY
A WEAK ARCH FILAMENT SYSTEM AND HAS THE CAPABILITY OF PROCUDING
C-CLASS SUBFLARES. REGION 1807 (N22W55) DISPLAYS A NEARLY CIRCULAR
NEUTRAL LINE WITH KINKS IN THE TRAILER AND HAS HAD PLAGE
FLUCTUATIONS THROUGHOUT THE DAY. REGION 1818 (S07E29) PRODUCED A
CLASS IN FLARE EARLY IN THE UT DAY BUT HAS NOT SHOWN ANY SIGNIFICANT
CHANGE DURING THE LAST 12 HOURS. NEW REGION 1823 (S19E16) DIS-
PLAYS SCATTERED PLAGE AND A N/S NEUTRAL LINE. A LARGE FILAMENT
THAT WAS LOCATED FROM N34W45 TO N42W27 AT 00Z/21ST HAS DISAPPEARED
DURING THE PAST 24 HOURS. A PLUS/MINUS SECTOR BOUNDARY IS PRESENTLY
LOCATED AT W55 AND ANOTHER SECTOR BOUNDARY MINUS/PLUS IS LOCATED
AT W25. A LARGE CORONAL HOLE IS PRESENTLY LOCATED IN THE SW ALL
OTHER DISK AND LIMB FEATURES APPEAR QUIET AND STABLE.
IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT LOW LEVELS
WITH A GOOD CHANCE OF C-CLASS SUBFLARES AND THE SLIGHT CHANCE OF
ISOLATED M-CLASS EVENTS. NO SIGNIFICANT RETURNING REGIONS ARE
EXPECTED.
II. THE GEOMAGNETIC FIELD WAS QUIET AND IS EXPECTED TO BE UNSETTLED
TO ACTIVE DURING THE NEXT 3 DAY FORECAST PERIOD.
III. EVENT PROBABILITIES 22 JUNE - 24 JUNE
CLASS M   30/30/30
CLASS X   01/01/01
PROTON   01/01/01
PCAF   GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 21 JUNE   143
PREDICTED 22 JUNE - 24 JUNE   143/145/148
90-DAY MEAN 21 JUNE   178
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 20 JUNE   06
ESTIMATED AFR/AP   21 JUNE   11/20
PREDICTED AFR/AP   22 JUNE - 24 JUNE   15/20 15/20 12/16
SOLTERWARN
BT