

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 173

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1820 (S23W04) PRESENTLY  
DISPLAYS A D-TYPE SPOT GROUP WITH A TENDENCY TOWARD A BETA-GAMMA  
MAGNETIC CONFIGURATION. NEW REGION 1824 (S19W06) IS A RAPIDLY  
GROWING C-TYPE GROUP WITH AFS AND POINT BRIGHTENINGS. A SMALL  
SUBFLARE WAS REPORTED FROM 1824. REGION 1824 HAS BEEN INTERACTING  
WITH REGION 1820. REGION 1819 (S28E29) IS A REVERSE POLARITY  
REGION AND HAS ENHANCED PLAGE, POINT BRIGHTENINGS AND A WEAK  
ACTIVE DARK FILAMENT. THIS REGION (1819) CONTINUES TO GROW  
SLOWLY. REGION 1807 (N23W74) AND REGION 1818 (S06E15) HAVE BOTH  
PRODUCED SUBFLARES BUT ONLY 1807 HAS PRODUCED A C-CLASS SUBFLARE.  
NEW REGION 1825 (N27E66) HAS EXPERIENCED OCCASIONAL POINT BRIGHT-  
ENINGS AND DISPLAYS A C-TYPE SPOT GROUP. A FILAMENT PRE-  
VIOUSLY LOCATED NORTH OF REGION 1809 (N27W47) HAS DISAPPEARED IN THE  
PAST 24 HOURS. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET AND  
STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH OCCASIONAL C-CLASS  
SUBFLARES AND ISOLATED M-CLASS SUBFLARES POSSIBLE. WITH THE RETURN  
OF ACTIVE LONGITUDES ON 26 JUNE SOLAR ACTIVITY IS EXPECTED TO  
INCREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO BE  
ACTIVE TO UNSETTLED DURING THE NEXT 72 HOUR PERIOD.

III. EVENT PROBABILITIES 23 JUNE - 25 JUNE

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JUNE 137

PREDICTED 23 JUNE - 25 JUNE 140/143/143

90-DAY MEAN 22 JUNE 177

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JUNE 14

ESTIMATED AFR/AP 22 JUNE 17/28

PREDICTED AFR/AP 23 JUNE - 25 JUNE 15/25 12/25 10/15

SOLTERWARN

BT