

HFUS 1 BDU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 167

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. THE NUMEROUS SMALL ACTIVE REGIONS  
HAVE SHOWN ONLY MINOR CHANGES AND HAVE PRODUCED ONLY A FEW SMALL  
SUBFLARES. REGION 1161 (S26E60) HAS DEVELOPED A SMALL AREA OF IN-  
CREASING MAGNETIC COMPLEXITY. A SMALL NEW REGION 1162 (N20W11)  
HAS APPEARED WITHIN AN AREA OF EXTENSIVE REMNANT ACTIVE REGIONS.  
REGION 1153 (N16W68) IS STABLE BUT CONTINUES WITH A COMPLEX  
STRUCTURE. SIGNIFICANT ACTIVE REGIONS ARE CROSSING EAST LIMB AT N17  
AND S15 AS INDICATED BY SURGES AND A HIGH RADIO FLUX.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW BUT WITH INCREASING  
FREQUENCY OF SMALL FLARES. REGIONS 1153 AND 1161 ARE CAPABLE OF  
CLASS M EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.  
UNSETTLED CONDITIONS ARE EXPECTED FOR MOST OF THE NEXT THREE DAYS  
WITH ISOLATED PERIODS OF ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 17-19 JUNE

CLASS M 20/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUNE 137

PREDICTED 17-19 JUNE 142/145/147

90-DAY MEAN 16 JUNE 140

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JUNE 08

ESTIMATED AFR/AP 16 JUNE 05/06

PREDICTED AFR/AP 17-19 JUNE 12/18 - 18/20 - 18/25

SOLTERWARN

BT