

HFUS 1 B011 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 158

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SMALL  
FLARES HAVE BEEN REPORTED FROM REGION 2517 (S12E67). SURGES HAVE  
BEEN REPORTED JUST SOUTH OF NEW REGION 2519 (S21E76), H-TYPE  
GROUP. A C2 X-RAY EVENT OCCURRED WITH A SURGE MAXIMUM 1723 UT.  
REGION 2519 IS RETURNING 2470 WHICH PRODUCED 5 M-CLASS FLARES  
LAST ROTATION. REGIONS 2502 (N17W31), 2511 (N12W30) AND 2507  
(S13W22) APPEAR STABLE. TRANSMISSION LINE PROBLEMS CONTINUE,  
ONLY LIMITED X-RAY INFORMATION AVAILABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE, HOWEVER IT SHOULD  
REMAIN LOW UNTIL REGIONS 2517/2519 ARE COMPLETELY ON THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE FIELD IS  
EXPECTED TO BE NEAR ACTIVE CONDITIONS ON 18 JUNE AS EFFECTS OF  
THE DISAPPEARING FILAMENT ARE FELT.

III. EVENT PROBABILITIES 17 JUNE - 19 JUNE

CLASS M 25/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAE GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUNE 187

PREDICTED 17-19 JUNE 196/200/205

90-DAY MEAN 16 JUNE 206

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 15 JUNE 05

ESTIMATED AFR/AP 16 JUNE 09/14

PREDICTED AFR/AP 17-19 JUNE 12/18 - 14/14 - 08/10

SOLTERWARN

BT