

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 167

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 15 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SMALL  
FLARES HAVE BEEN REPORTED IN REGIONS 2504 (S25W86), 2511 (N12W17),  
2502 (N18W17) AND 2503 (N14W62). TRANSMISSION LINE PROBLEMS HAS  
CAUSED LOSS OF ALL X-RAY DATA FROM 13/2010 UT. THE LEADER SPOT  
IN REGION 2502 HAS SHOWN SOME INCREASE IN MAGNETIC STRENGTH,  
HOWEVER, THE REGION APPEARS STABLE. REGION 2507 ALSO HAS CHANGED  
LITTLE. NEW REGIONS TODAY ARE 2516 (S08E68) AND 2518 (N18E32)  
SIMPLE A-TYPE GROUPS. REGION 2517 (S13E79), POSSIBLE RETURN OF OLD  
2469, PRODUCED A ERUPTIVE PROMINENCE WHICH WENT TO .31 RADIUS  
MAXIMUM 1423UT, ONLY H-TYPE GROUP VISIBLE AT THIS TIME A SMALL  
SN FLARE MAXIMUM 1836 UT HAS ALSO BEEN REPORTED.

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

II. THE GEOMAGNETIC FIELD IS UNSETTLED. LITTLE CHANGE IS EXPECTED  
DURING THE NEXT 24 HOURS. THE FILAMENT THAT WAS LOCATED AT S08W05  
ON 14 JUNE AT 1408 UT DISAPPEARED. AS IT WAS ON A SECTOR BOUNDARY  
AN INCREASE IN MAGNETIC ACTIVITY ON 18 JUNE IS A STRONG POSSIBILITY.

III. EVENT PROBABILITIES 16 JUNE - 18 JUNE

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUNE 181

PREDICTED 16-18 JUNE 185/190/195

90-DAY MEAN 15 JUNE 205

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 JUNE 10

ESTIMATED AFR/AP 15 JUNE 08/09

PREDICTED AFR/AP 16-18 JUNE 08/08 - 08/08 - 12/14

SOLTERWARN

BT