

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 161

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 JUNE 1980

IA. DESPITE THE ROTATION OF TWO REGIONS ONTO THE DISK AND THE  
EMERGENCE OF FOUR MORE REGIONS ON THE DISK, SOLAR ACTIVITY HAS  
BEEN LOW. ONLY LOW LEVEL CLASS C EVENTS HAVE OCCURRED. REGION  
2490 (S14W17) CONTINUES TO RESTRUCTURE. HOWEVER, THE BASIC  
NEUTRAL LINE LOCATION HAS NOT CHANGED SIGNIFICANTLY. OF INTEREST  
IS THE EMERGENCE OF REGIONS 2504 (S24W09) AND 2505 (S16W07)  
IN THE SAME STRUCTURAL ZONE AS 2490. ALSO, REGIONS 2506 (N14E02)  
AND 2508 (N21W00) HAVE EMERGED IN THE STRUCTURAL ZONE OF REGION  
2496 (N18W09). OF THE SIXTEEN REGIONS CONTAINING SUNSPOTS,  
ONLY REGION 2490 CURRENTLY DISPLAYS SUFFICIENT COMPLEXITY TO  
PRODUCE CLASS M ACTIVITY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH 1 OR  
2 CLASS M FLARES POSSIBLE FROM REGION 2490 THROUGH THE FORECAST  
PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE FIELD IS  
EXPECTED TO BE GENERALLY UNSETTLED THROUGH ABOUT THE NEXT 36  
HOURS AND THEN BECOME QUIET.

III. EVENT PROBABILITIES 10 JUNE - 12 JUNE

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JUNE 173

PREDICTED 10-12 JUNE 175/177/178

90-DAY MEAN 09 JUNE 202

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 JUNE 22

ESTIMATED AFR/AP 09 JUNE 10/10

PREDICTED AFR/AP 10-12 JUNE 12/12 - 09/10 - 06/08

SOLTERWARN

BT