

HFUS 1 B O U 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 166

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 15 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY  
A FEW SMALL C-CLASS SUBFLARES HAVE BEEN OBSERVED DURING THAT TIME  
REGIONS 1796 (N17W48) AND 1797 (S18W40) HAVE BEEN VERY QUIET BUT  
STILL RETAIN THE BEST OVERALL ENERGETIC FLARE POTENTIAL OF ANY  
DISK REGIONS. REGIONS 1807 (N23E23) AND 1811 (N15E53) HAVE BOTH  
SHOWN SLIGHT GROWTH AND CONTAIN ARCH FILAMENT SYSTEMS BUT HAVE  
NOT YET REACHED THREATENING PROPORTIONS. NO DYNAMIC OLD REGIONS  
ARE SCHEDULED TO RETURN AT THE EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 72 HOURS.  
ENERGETIC BEHAVIOR IS POSSIBLE BUT NOT LIKELY FROM REGIONS 1796  
AND 1797.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED DURING  
THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BECOME UNSETTLED TO  
MILDLY ACTIVE DURING THE NEXT 24 HOURS. ACTIVE TO MINOR STORM  
CONDITIONS ARE NOW ANTICIPATED TO BEGIN ON 19 JUNE.

III. EVENT PROBABILITIES 16 JUNE - 18 JUNE 1979

CLASS M 25/25/20

CLASS X 05/05/05

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUNE 171

PREDICTED 16 JUNE - 18 JUNE 165/161/157

90-DAY MEAN 15 JUNE 181

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 JUNE 07

ESTIMATED AFR/AP 15 JUNE 03/11

PREDICTED AFR/AP 16 JUNE - 18 JUNE 17/20 14/18 12/15

SOLTERWARN

BT