

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 19 JUNE 1979

IA. SOLAR ACTIVITY WAS AT A LOW LEVEL THRU THE PAST 24 HOURS. ALL OF THE FLARE ACTIVITY WAS SMALL WITH THE LARGEST EVENT BEING A C-2 FROM REGION 1818 (S07E49) AT 19/0042Z. THIS REGION APPEARS TO BE DEVELOPING SLOWLY. REGION 1807 (N23W31) HAS SIMPLIFIED. THREE NEW REGIONS HAVE APPEARED: REGION 1819 (S28E64), REGION 1820 (S20E37) AND REGION 1821 (S20E78). ALL DISK REGIONS ARE BASICALLY SIMPLE MAGNETICALLY, BUT AN ISOLATED POLE WAS REPORTED IN THE TRAILER OF REGION 1809 (N28W04) BY THE MARSHALL OBSERVATORY. SURGES HAVE BEEN REPORTED WITH DEPARTED REGIONS 1796 (N17) AND 1797 (S17).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL THRU THE FORECAST PERIOD. ISOLATED CLASS M EVENTS ARE POSSIBLE FROM 1807 AND 1818, BUT MORE ENERGETIC EVENTS SEEM UNLIKELY UNDER PRESENT CONDITIONS. NO LARGE REGIONS ARE EXPECTED TO RETURN ON THE EAST LIMB.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED EARLY IN THE UT DAY, BUT HAS BEEN GENERALLY QUIET SINCE 19/0600Z. THE EXPECTED DISTURBANCE HAS YET TO BEGIN, HOWEVER, SOME INCREASE IN GEOMAGNETIC ACTIVITY SHOULD OCCUR THRU THE FORECAST PERIOD. A LARGE CORONAL HOLE IS NOW CROSSING THE CENTRAL MERIDIAN IN THE SOUTH.

III. EVENT PROBABILITIES 20 JUNE - 22 JUNE

CLASS M 25/30/30

CLASS X 01/03/03

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JUNE 142

PREDICTED 20-22 JUNE 143/142/142

90-DAY MEAN 19 JUNE 179

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 JUNE 04

ESTIMATED AFR/AP 19 JUNE 07/11

PREDICTED AFR/AP 20-22 JUNE 10/20 - 12/30 - 10/25

SOLTERWARN

BT