

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 196

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

IA. SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST EVENT WAS A C7/SB  
ATTRIBUTED TO REGION 1859 (N20W79). SPOTS HAVE EMERGED JUST SOUTH  
OF THE OLD SPOT STRUCTURE OF REGION 1859 AND IT IS AT THIS POINT  
THAT THE ABOVE FLARE OCCURRED. THIS AREA OF EMERGING FLUX HAS BEEN  
THE SITE OF NUMEROUS LOW LEVEL CLASS C X-RAY BURSTS AND SUBFLARE  
ACTIVITY. ANOTHER H-TYPE SPOT HAS ROTATED AROUND THE SE LIMB.  
BECAUSE OF LIMB PROXIMITY, IT IS INCLUDED AS THE TRAILER OF 1872  
(S04E74) AS AN ELONGATED E-GROUP. FLARE BRIGHTENINGS HAVE ALSO  
OCCURRED IN REGIONS 1860 (N27W55), 1866 (S27E22), AND 1867 (N29E42).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE.  
THE FIELD IS EXPECTED TO BE UNSETTLED THROUGH 17 JULY, BECOMING  
UNSETTLED TO ACTIVE ON 18 JULY.

III. EVENT PROBABILITIES 16 - 18 JULY

CLASS M 40/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JULY 150

PREDICTED 16 - 18 JULY 140/138/140

90-DAY MEAN 15 JULY 175

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 JULY 12

ESTIMATED AFR/AP 15 JULY 11/16

PREDICTED AFR/AP 16 - 18 JULY 10/10 07/10 12/15

SOLTERWARN

BT