

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 172

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1170 (N17E46) HAD A SUB-  
FLARE BUT OTHERWISE IS STABLE. IT IS STILL AN E-TYPE GROUP. REGION  
1172 (S20E62) HAD A C1/1B FLARE AT 1541Z (MAX) AND A C6/SN FLARE  
AT 1539Z (MAX). NEW REGION 1174 (S21W55) IS A B-TYPE GROUP, NEW  
REGION 1175 (N18E14) IS AN A-TYPE SPOT, NEW REGION 1176 (N20E72)  
IS AN H-TYPE SPOT. REGION 1165 (N31W25) HAD SEVERAL SUBFLARES.  
THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGIONS 1170 AND  
1172 BOTH SHOW POTENTIAL FOR M-CLASS FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TODAY. CONDITIONS SHOULD  
REMAIN ACTIVE FOR THE NEXT 48HOURS.

III. EVENT PROBABILITIES 22 JUNE - 24 JUNE

CLASS M            70/80/90

CLASS X            10/10/15

PROTON            05/05/05

PCAF            GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED            21 JUNE 184

PREDICTED            22-24 JUNE 189/192/195

90-DAY MEAN            21 JUNE 143

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG            20 JUNE 12

ESTIMATED AFR/AP            21 JUNE 20/38

PREDICTED AFR/AP            22-24 JUNE 20/23 - 17/17 - 12/13

SOLTERWARN

BT

GEOALERT WWA173 220300

SOLALERT MINOR 22 MAGQUIET