

HFU2 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 A 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 UWA 173 220300

SOLALERT MINOR 22 MAGQUET