

REFS 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 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1203 (N16W13) HAD AN M2/1B FLARE AT 0046Z AND AN M1/1B FLARE AT 1425Z AND NUMEROUS C-CLASS SUBFLARES. MAGNETIC GRADIENTS ARE STILL HIGH AND THE DELTA CONFIGURATION IS STILL PRESENT ALTHOUGH SLIGHT DECAY HAS BEEN NOTED. REGION 1212 (S24E31) HAD TWO C-CLASS SUBFLARES AND IS NOW A D-TYPE GROUP WITH 8 SPOTS. NEW REGIONS 1215 (N31E09) AND 1216 (N13E29) ARE B-TYPE GROUPS AND NEW REGION 1217 (S24E55) IS A BRIGHT PLAGE. A PROBABLE TYPE II SWEEP AT 0352Z WAS REPORTED AS OCCURRING FROM THE EAST LIMB. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE TO HIGH.

II. GEOMAGNETIC ACTIVITY HAS BEEN QUIET. CONDITIONS ARE EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 16 JULY - 18 JULY

CLASS M	99/99/99
CLASS X	50/50/50
PROTON	50/60/60
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	15 JULY 164
PREDICTED	16-18 JULY 164/164/165
90-DAY MEAN	15 JULY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	14 JULY 44
ESTIMATED AFR/AP	15 JULY 05/07
PREDICTED AFR/AP	16-18 JULY 10/12 - 12/14 - 14/18

SOLTERWARN

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