

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 AUGUST 1980

IA. SOLAR ACTIVITY HAS REMAINED LOW THE PAST 24 HOURS. REGION 2593 (N11W89) PRODUCED A C2/SN FLARE AT 0551 UT AND SEVERAL BRIGHT SURGES AS IT ROTATED BEYOND WEST LIMB. REGION 2605 (S05E01) HAS GROWN SLIGHTLY IN SPOT COUNT AND COMPLEXITY. NEW REGION 2608 (N18E23) WAS FIRST OBSERVED LATE YESTERDAY AND IS NOW A SMALL D-TYPE SPOT GROUP WITH COMPACT FLARE AND AN ACTIVE ARCH FILAMENT SYSTEM. THIS REGION PRODUCED A SUBFLARE AT 0918 UT. AN ERUPTIVE FILAMENT WAS OBSERVED AT S25 WEST LIMB FROM 1605-1635 UT EXTENDING OUT AS FAR AS .37 SOLAR RAD II.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH ONLY SMALL REGIONS ON THE DISK. ACTIVITY MAY INCREASE SLIGHTLY AS PREVIOUSLY ACTIVE LONGITUDES ROTATE ONTO THE DISK IN THE NEXT THREE DAYS.

II. THE GEOMAGNETIC FIELD WAS ACTIVE FROM 0000 UT TO 0600 UT FOLLOWING A SUDDEN COMMENCEMENT AT 06/0010 UT OF 39 GAMMAS IN BOULDER. THE FIELD HAS BEEN UNSETTLED SINCE 0600 UT AND IS EXPECTED TO REMAIN UNSETTLED FOR 24 HOURS.

III. EVENT PROBABILITIES 07 AUGUST - 09 AUGUST

CLASS M 01/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 AUGUST 146

PREDICTED 07-09 AUGUST 152/158/164

90-DAY MEAN 06 AUGUST 197

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 05 AUGUST 05

ESTIMATED AFR/AP 06 AUGUST 13/15

PREDICTED AFR/AP 07-09 AUGUST 10/10 - 08/08 - 08/08

SOLTERWARN

BT