

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLO

SDF NUMBER 220

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 AUGUST 1980

IA. SOLAR ACTIVITY CONTINUES TO BE LOW. A NEW REGION 2611 (S20E83)
PRODUCED A C9/SB FLARE AT 1137 UT, A C2/SN FLARE AT 2001 UT AND
SURGES ON THE LIMB DURING THE PAST 24 HOURS. NO SPOT GROUP IS
VISABLE. AN UNSPOTTED REGION 2596 (N20W60) PRODUCED A IF FLARE
AT 0500 UT WITH NO ASSOCIATED X-RAYS. TWO SMALL SPOT GROUPS DEVELOPED
ON THE DISK. ONE IN OLD REGION 2604 (S21W29) AND THE OTHER IN NEW
REGION 2610 (N12E21).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH AN INCREASING
PROBABILITY OF CLASS M EVENTS AS PREVIOUSLY ACTIVE LONGITUDES RETURN.

II. THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED THE PAST 24
HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO QUIET DURING THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 08 - 10 AUGUST

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

ESTIMATED 07 AUGUST 139

PREDICTED 08 - 10 AUGUST 146/152/158

90-DAY MEAN 07 AUGUST 196

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 06 AUGUST 20

ESTIMATED AFR/AP 07 AUGUST 12/15

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

SOLTERWARM

BT