

HFUS 1 BDU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 AUGUST 1980

IA. SOLAR ACTIVITY HAS REMAINED MODERATE WITH A M1/SB FLARE AT
1337 UT FROM NEW REGION 2645 (S07E74). THIS REGION IS NOT
COMPLETELY ON THE DISK BUT IT HAS A LARGE COMPACT FLARE AND
LARGE SPOT GROUP OR IS POSSIBLY TWO SEPARATE REGIONS. ANOTHER
NEW REGION 2646 (N12E76) HAS ROTATED ONTO THE DISK AND CONTAINS
A SMALL C-TYPE SPOT GROUP. REGION 2644 (S27E12) CONTINUES TO
GROW WITH A STRONG ARCH FILAMENT SYSTEM AND FREQUENT FLARE
FLUCTUATIONS. CLASS C SUBFLARES WERE OBSERVED IN REGIONS 2629
(N19W88), 2638 (S19W01), 2640 (S07W43), 2644 AND 2646.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH CLASS M
EVENTS POSSIBLE FROM REGIONS 2644 AND 2645.

II. THE GEOMAGNETIC FIELD WAS ACTIVE THE PAST 24 HOURS. IT IS
EXPECTED TO BE ACTIVE TO UNSETTLED DURING THE NEXT 24 HOURS
AND UNSETTLED FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 AUGUST - 30 AUGUST

CLASS M 70/70/70

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 AUGUST 15.6

PREDICTED 28-30 AUGUST 15.4/15.3/15.6

90-DAY MEAN 27 AUGUST 18.3

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 AUGUST 12

ESTIMATED AFR/AP 27 AUGUST 22/24

PREDICTED AFR/AP 28-30 AUGUST 15/15 - 10/10 - 10/10

SOLTERWARN

BT