

HFUS 1 BOU 132200

C O R R E C T E D C O P Y

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 225

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 AUGUST 1978

IA. THERE HAS BEEN A MARKED INCREASE IN FLARE ACTIVITY DURING THE
LAST 24 HOURS. REGIONS 1249 (S21W74) AND 1238 (S27W42) HAVE
PRODUCED ALL FIFTEEN FLARES NOTED. ALL THE FLARES, HOWEVER, HAVE
BEEN ONLY SMALL C-CLASS SUBFLARES. AT THE SAME TIME, THREE NEW
REGIONS HAVE APPEARED ON THE DISK; TWO OF THEM AT HIGH LATITUDES
IN THE NORTHEAST. THE SUDDEN INCREASE IN ACTIVITY COMES JUST A
FEW DAYS BEFORE THE FLARING REGIONS DISAPPEAR OVER THE WEST LIMB,
SO IT MAY BE NECESSARY TO WAIT FOR TWO WEEKS TO SEE REAL DEVELOP-
MENT AT THESE LONGITUDES.

IB. SOLAR ACTIVITY SHOULD CONTINUE RELATIVELY LOW WITH ONLY
C-CLASS SUBFLARES EXPECTED FOR NOW.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO MILDLY ACTIVE DURING
THE PAST 24 HOURS. THE FIELD IS EXPECTED TO GRADUALLY QUIET
DOWN TO QUIET TO MILDLY UNSETTLED VALUES.

III. EVENT PROBABILITIES 14 AUGUST - 16 AUGUST

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 AUGUST 132

PREDICTED 14-16 AUGUST 132/134/130

90-DAY MEAN 13 AUGUST 135

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 AUGUST 25

ESTIMATED AFR/AP 13 AUGUST 12/22

PREDICTED AFR/AP 14-16 AUGUST 08/16 - 07/10 - 08/12

SOLTERWARN