

FUS 3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 231

JOINT USAF/NDAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 19 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100
TO 19/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4279 LEFT THE
DISK WITH MINOR FLARE ACTIVITY AND SURGING. REGION 4288
(N15E58), WITH A C TYPE SPOT CLASSIFICATION, IS NOW THE MOST
ACTIVE REGION ON THE DISK. IT HAS CONTRIBUTED SOME OPTICAL
SUBFLARES AND C CLASS X-RAY FLARES. NO NEW REGIONS WERE
NUMBERED THIS PERIOD. ALL OTHER REGIONS ON THE DISK APPEAR
STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.
NO REGION ON THE DISK APPEARS CAPABLE OF SIGNIFICANT FLARE
ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z:
THE GEOMAGNETIC FIELD WAS QUIET FOR THE FIRST 18 HOURS OF THIS
PERIOD AND THEN INCREASED TO ACTIVE LEVELS THE LAST SIX HOURS
OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD
SHOULD BE AT ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 AUG-22 AUG

CLASS M 20/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 AUG 115
PREDICTED 20 AUG-22 AUG 113/110/110
90 DAY MEAN 19 AUG 133

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 AUG 001/009
ESTIMATED AFR/AP 19 AUG 011/015
PREDICTED AFR/AP 20 AUG-22 AUG 025/020-020/015-015/015
SOLTERWARN

BT