

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 211

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 30 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100
TO 30/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4680 (N07E31)
EVOLVED INTO A BETA-GAMMA TYPE AS THE MIDDLE AND TRAILER
PORTIONS FORMED SPOTS. IT PRODUCED SEVERAL SMALL SUB-FLARES AND
SURGING. REGION 4682 (S13E43) DECAYED TO AN HKX CLASSIFICATION
AND PRODUCED A B2/1F FLARE AT 1116Z. THE OVERALL BACKGROUND
X-RAY TREND WAS STEADY. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. REGIONS 4680 AND 4682 TOGETHER PROVIDE A SLIGHT
CHANCE OF MODERATE ACTIVITY. THEY ALSO PROVIDE A VERY SLIGHT
CHANCE OF PROTON EVENTS ON AND AFTER 2 AUG DUE TO THEIR
ROTATING PAST THE CENTRAL MERIDIAN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z:
GEOMAGNETIC ACTIVITY WAS QUIET TO UNSETTLED. MINOR STORM
CONDITIONS OCCURRED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS
EXPECTED TO BE ACTIVE.

III. EVENT PROBABILITIES 31 JUL-02 AUG

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUL 081

PREDICTED 31 JUL-02 AUG 082/083/084

90 DAY MEAN 30 JUL 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 JUL 006/008

ESTIMATED AFR/AP 30 JUL 013/025

PREDICTED AFR/AP 31 JUL-02 AUG 020/025-015/020-015/020

SOLTERWARN

BT