

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 210

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 29 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100  
TO 29/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4682 (S15E56)  
DEVELOPED INTO A CNO WHILE PRODUCING THE LARGEST EVENT OF THE  
PERIOD - A C2/1N FLARE AT 1607Z. REGION 4680 (N07E45) PRODUCED  
A B2/0N FLARE AT 0608Z WITH RADIO BURSTS. REGION 4683 (S06W77)  
EVOLVED INTO A CNO AND ALSO PRODUCED A VERY SMALL SUB-FLARE  
VERY EARLY IN THE PERIOD. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
VERY LOW. REGION 4682 PROVIDES A SLIGHT CHANCE OF MODERATE  
ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z:  
GEOMAGNETIC ACTIVITY WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS  
EXPECTED TO BE ACTIVE. BRIEF MINOR STORM LEVELS ARE EXPECTED  
THE FIRST AND SECOND DAYS DUE TO A CORONAL HOLE'S HIGH SPEED  
LOW DENSITY STREAM.

III. EVENT PROBABILITIES 30 JUL-01 AUG

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUL 081

PREDICTED 30 JUL-01 AUG 082/083/084

90 DAY MEAN 29 JUL 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JUL 012/016

ESTIMATED AFR/AP 29 JUL 007/013

PREDICTED AFR/AP 30 JUL-01 AUG 020/025-020/025-015/020

SOLTERWARN

BT