

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 182

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 01 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100
TO 01/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4669 (S08W49)
REGENERATED AN ARCHED FILAMENT SYSTEM AND A BRIEFLY SEEN
BXO/BETA (WHITE LIGHT CLASSIFICATION/ MAGNETIC TYPE) GROUP
BEFORE DECAYING AGAIN. REGION 4670 (S07E43) PRODUCED A FEW
LOW-LEVEL B-CLASS X-RAY EVENTS WITH SUB-FLARES. IT WAS A
CSO/BETA. NEWLY ASSIGNED REGION 4671 (S15E73) ALSO PRODUCED A
FEW LOW-LEVEL B-CLASS X-RAY EVENTS WITH SUB-FLARES. IT WAS ALSO
A CSO/BETA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. RETURNING REGION 4663 (S01, CAR 331) PRODUCED FIVE
C-CLASS X-RAY EVENTS DURING ITS LAST ROTATION, BUT DOES NOT
PROMISE SIGNIFICANT ACTIVITY POTENTIAL THIS NEXT REAPPEARANCE.
RETURNING REGION 4664 (S02, CAR 309) WAS SPOTLESS THE LAST TWO
DAYS IT COULD HAVE BEEN OBSERVED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z:
GEOMAGNETIC ACTIVITY WAS ACTIVE TO UNSETTLED. HIGH LATITUDE
STORM LEVELS OCCURRED FROM START-OF-PERIOD UNTIL 1/0600Z.

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

III. EVENT PROBABILITIES 02 JUL-04 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUL 074

PREDICTED 02 JUL-04 JUL 076/078/080

90 DAY MEAN 01 JUL 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 JUN 011/013

ESTIMATED AFR/AP 01 JUL 014/018

PREDICTED AFR/AP 02 JUL-04 JUL 010/015-010/015-012/020

SOLTERWARN

RT