

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 197

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 16 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100
TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24
HOURS. REGION 4677(S14W69) WAS NUMBERED TODAY AS A C80 TYPE
SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. A WEAK ARCH
FILAMENT SYSTEM AND POINT BRIGHTENINGS WERE ASSOCIATED WITH THE
REGION. NO OTHER SPOTTED REGIONS WERE ON THE DISK. SURGING
WAS REPORTED AT N05W90. A MILDLY ACTIVE PROMINENCE WAS
OBSERVED AT S28E90. NO SIGNIFICANT FLARE ACTIVITY WAS
OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW FOR THE NEXT 72 HOURS. REGION 4669(S08, CAR120) IS
DUE TO RETURN 18 JULY BUT IS NOT EXPECTED TO PRODUCE ANY
SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST
24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 72 HOURS.
UNSETTLED CONDITIONS ARE PREDICTED FOR 17 AND 19 JULY. ACTIVE
CONDITIONS ARE PREDICTED 18 JULY ON THE BASIS OF THE EXPECTED
EFFECTS OF A CORONAL HOLE WHICH PASSED THE CENTRAL MERIDIAN 15
JULY.

III. EVENT PROBABILITIES 17 JUL-19 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUL 070

PREDICTED 17 JUL-19 JUL 070/071/071

90 DAY MEAN 16 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUL 008/015

ESTIMATED AFR/AP 16 JUL 005/015

PREDICTED AFR/AP 17 JUL-19 JUL 010/015-015/020-012/015

SOLTERWARN

BT