

HFUS 3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTE , BOULDER, COLORADO
SDF NUMBER 208

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 27 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100
TO 27/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THIS
PERIOD. THE LARGEST EVENT OBSERVED WAS A C1/SF FROM REGION 4263
(S09E80) AT 1918UT. REGION 4263 HAS CONTINUED TO PRODUCE MINOR
SURGE ACTIVITY AND NOW HAS FIVE SPOTS VISIBLE. REPORTS INDICATE
THAT MORE OF THE REGION IS JUST BEYOND THE EAST LIMB. NO NEW
GROUPS HAVE BEEN NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
INCREASE TO NEAR MODERATE LEVELS AS REGION 4263 CONTINUES TO
ROTATE INTO VIEW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE
DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE
AT ACTIVE TO MINOR STORM LEVELS BY EARLY ON 28 JULY. THE
DISTURBANCE IS EXPECTED TO CONTINUE THROUGH 29 JULY THEN RETURN
TO UNSETTLED LEVELS EARLY ON 30 JULY. THIS DISTURBANCE IS
FORECAST ON A FILAMENT WHICH DISAPPEARED ON 24 JULY.

III. EVENT PROBABILITIES 28 JUL-30 JUL

CLASS M 15/20/20

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUL 119

PREDICTED 28 JUL-30 JUL 115/119/125

90 DAY MEAN 27 JUL 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUL 009/013

ESTIMATED AFR/AP 27 JUL 013/015

PREDICTED AFR/AP 28 JUL-30 JUL 035/035-020/020-010/010

SOLTERWARN

BT