

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 193

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 12 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. ALTHOUGH STILL DECLINING, REGION 4671 (S16W77) RETAINS ITS DELTA CONFIGURATION (ACCORDING TO MT WILSON) AND IT CONTINUES TO PRODUCE SUBFLARES. REGION 4674 (S08W90) IS NOW AT THE LIMB AND WILL ONLY BE VISIBLE FOR ANOTHER FEW HOURS. REGION 4676 (N04W48) CONTINUES TO DECAY WHILE REMAINING QUIET. THE REST OF THE DISK AND THE LIMBS ARE QUIET ALSO.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW TO MODERATE LEVEL DURING THE NEXT 24 HOURS. AN ISOLATED M EVENT IS STILL POSSIBLE FROM REGION 4671.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD EXPERIENCED MINOR TO MAJOR STORM LEVELS EARLY IN THE PERIOD AND HAS FLUCTUATED BETWEEN ACTIVE TO MINOR STORM LEVELS SINCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO GRADUALLY DECLINE TO UNSETTLED TO ACTIVE LEVELS AND PERSIST FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 13 JUL-15 JUL

CLASS M 40/35/20

CLASS X 10/10/05

PROTON 10/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUL 090

PREDICTED 13 JUL-15 JUL 085/081/076

90 DAY MEAN 12 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUL 015/016

ESTIMATED AFR/AP 12 JUL 027/060

PREDICTED AFR/AP 13 JUL-15 JUL 017/025-010/020-010/020

SOLTERWARN

BT