

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 191

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. FIVE C-CLASS SUBFLARES HAVE BEEN OBSERVED TODAY WITH THE LARGEST A C2/0N FROM REGION 4671 (S15W49). THIS REGION IS STILL A BETA-GAMMA DELTA MAGNETICALLY. IT HAS BEEN MOSTLY STABLE IN ALL PARAMETERS. GROWTH HAS BEEN NOTED IN REGION 4676 (N04W21) WHICH DEVELOPED YESTERDAY. REGION 4674 (S07W62) GENERATED THREE SUBFLARES AS IT HAS GROWN SLIGHTLY. REGION 4670 (S09W81) REMAINS QUIET AND STABLE. A 16 DEGREE LONG FILAMENT DISAPPEARED EARLY IN THE DAY NEAR N02W15.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. MORE ENERGETIC ACTIVITY IS POSSIBLE FROM REGION 4671, AND SHOULD NOT BE DISCOUNTED. THE REGION HAS PRODUCED TWO ISOLATED M-CLASS FLARES IN THE PAST EIGHT DAYS AND MAY CONTINUE TO DO SO.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO MILDLY ACTIVE LEVELS THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: A MINOR GEOMAGNETIC STORM IS EXPECTED TO BEGIN EARLY ON JULY 11 AND LAST THROUGH THE DAY. ACTIVE TO UNSETTLED CONDITIONS ARE FORECAST FOR JULY 12 AND 13. THIS DISTURBANCE IS THE RESULT OF THE M-2 FLARE WHICH OCCURRED ON JULY 9.

III. EVENT PROBABILITIES 11 JUL-13 JUL

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JUL 099

PREDICTED 11 JUL-13 JUL 098/096/094

90 DAY MEAN 10 JUL 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JUL 012/019

ESTIMATED AFR/AP 10 JUL 010/012

PREDICTED AFR/AP 11 JUL-13 JUL 030/030-020/025-010/015

SOLTERWARN

BT