

HFUS 3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO.

SDF NUMBER 198

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. AN OCCASIONAL C CLASS FLARE WITH SMALL RADIO BURSTS IS THE ONLY ACTIVITY BEING REPORTED. THE VISIBLE DISK REGIONS ARE BASICALLY STABLE IN THEIR GROWTH PATTERNS ALTHOUGH MINUSCULE GROWTH HAS OCCURRED IN REGIONS 4245 (N12E19), 4247 (N16E37), AND 4249 (S09E02). TWO REGIONS WERE NUMBERED TODAY: 4250 (S07W22) AND 4251 (S04E06).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD EXPERIENCED A SHARP PERTURBATION BETWEEN 0900Z AND 1200Z BUT GENERALLY WAS AT ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: CORONAL EFFECTS ARE EXPECTED TO KEEP THE FIELD UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 18 JUL-20 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JUL 116

PREDICTED 18 JUL-20 JUL 117/118/117

90 DAY MEAN 17 JUL 135

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 JUL 024/024

ESTIMATED AFR/AP 17 JUL 016/030

PREDICTED AFR/AP 18 JUL-20 JUL 014/020-018/020-015/015

SOLTERWARN

BT