

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