

HFUS3 BOU 112200

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

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 11 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100  
TO 11/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. REGIONS  
4532 (S08W36) AND 4539 (S06E47), BOTH B TYPE SPOT GROUPS ,  
PRODUCED OPTICAL SUBFLARES. A NEW SPOT GROUP WAS NUMBERED THIS  
PERIOD AS 4541 (S16E71). THIS IS NOW AN H TYPE SPOT GROUP AND  
HAS PRODUCED AN OPTICAL SUBFLARE EARLY IN THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW  
THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT ALL  
LATITUDES FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO CLIMB TO ACTIVE TO MINOR STORM LEVELS FOR THE NEXT  
THREE DAYS DUE TO THE EFFECTS OF A PERSISTENT CORONAL HOLE.  
EFFECTS ARE EXPECTED TO START LATE ON THE 12TH. THIS ACTIVITY  
SHOULD AFFECT ALL LATITUDES.

III. EVENT PROBABILITIES 12 JUL-14 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUL 094

PREDICTED 12 JUL-14 JUL 094/094/095

90 DAY MEAN 11 JUL 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JUL 015/016

ESTIMATED AFR/AP 11 JUL 007/010

PREDICTED AFR/AP 12 JUL-14 JUL 020/020-030/030-020/025

SOLTERWARN

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