

HFUS 1 BOU 101300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 191A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 10 JUL 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 09/1200Z TO 10/1200Z: SOLAR ACTIVITY HAS BEEN HIGH. REGION 3804
 (N13E59) HAS PRODUCED SEVERAL M CLASSED X-RAY FLARES. THE
 LARGEST WAS A M8/2B AT 2105Z. REGION 3804 IS CLASSIFIED AS A
 EKC SPOT REGION AS OF 2400Z 9 JULY. NEW REGIONS NUMBERED THIS
 PERIOD ARE 3805 (S10W39), 3806 (S22E42) AND 3807 (S07E72). THE
 ONLY SIGNIFICANT FLARE PRODUCER ON THE DISK IS REGION 3804.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN HIGH.
 REGION 3804 SHOULD CONTINUE AS THE MAJOR FLARE PRODUCER ON THE
 DISK.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN ACTIVE AND SHOULD REMAIN SO FOR THE FORECAST PERIOD. THE
 PROBABILITY OF PROTON ENHANCEMENT, FROM A MAJOR FLARE,
 INCREASES AS REGION 3804 ROTATES TOWARD CENTRAL MERIDIAN.

III. EVENT PROBABILITIES 11 JUL-13 JUL

CLASS M 99/99/99

CLASS X 70/70/70

PROTON 15/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JUL 165

ESTIMATED 10 JUL 175

PREDICTED 11 JUL-13 JUL 185/190/195

90 DAY MEAN 09 JUL 156

V. GEOMAGNETIC A INDICES

OBSERVED AFR 08 JUL 016 AP 09 JUL 014

ESTIMATED AFR 09 JUL 016 AFR/AP 10 JUL 016/015

PREDICTED AFR/AP 11 JUL-13 JUL 016/020-016/025-018/020

SOLTERWARN

RT

HFUS 3 BOU 102200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 191B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 10 JUL 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
10/1200Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE WITH
FREQUENT FLARES AND NEARLY CONTINUOUS BRIGHT POINTS REPORTED IN
REGIONS 3804. THE LARGEST FLARES WERE AN M2/SB AT 1603Z AND AN
M5/1B AT 2013Z. THE M5 EVENT WAS ACCOMPANIED BY A MODERATE
RADIO BURST WITH 200 FU AT 2695MHZ. THE REGION HAS GROWN
SLIGHTLY SINCE YESTERDAY AND MAGNETIC ANALYSIS SHOWS AT LEAST
THREE DELTA CONFIGURATIONS WITHIN THE COMPLEX SPOT GROUP.
REGION 3806 (S23E41) HAS BEEN GROWING STEADILY AND PRODUCED
THREE FLARES SINCE 1200Z. TWO NEW REGIONS WERE NUMBERED TODAY,
REGION 3808 (N18W17) AND REGION 3809 (S12E78).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT
MODERATE TO HIGH LEVELS WITH AN X-CLASS FLARE LIKELY FROM
REGION 3804 IN THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE. ACTIVE CONDITIONS ARE EXPECTED DURING THE FORECAST
PERIOD FROM A CORONAL HOLE AND RECENT FLARE ACTIVITY IN REGION
3804.

III. EVENT PROBABILITIES 11 JUL-13 JUL

CLASS M 99/99/99

CLASS X 70/70/70

PROTON 15/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JUL 203

PREDICTED 11 JUL-13 JUL 214/221/224

90 DAY MEAN 10 JUL 156

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JUL 012/014

ESTIMATED AFR/AP 10 JUL 014/015

PREDICTED AFR/AP 11 JUL-13 JUL 016/020-016/025-018/020

SOLTERWARN

BT

HXUS ROU 102200
PREDM 09911 09912 09913
PREDX 07011 07012 07013
PREDP 01511 02012 02013
PCAFT 00211
TENCM 21411 22112 22413
AFRED 01611 01612 01813
AFAPF 02011 02512 02013
BT