

WFUS 1 RQU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 186A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 05 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
04/1200Z TO 05/1200Z:

SOLAR ACTIVITY HAS BEEN LOW WITH X-RAY BURSTS REMAINING AT
LOW CLASS C LEVELS. WEATHER HAS HAMPERED OBSERVATIONS AT
MANY OF THE OBSERVATORIES. REGION 3180 (S16W51) CONTINUES
TO DECAY BUT RETAINS POTENTIAL FOR AN ISOLATED ENERGETIC
FLARE. OTHER DISK REGIONS ARE SIMPLE IN THEIR STRUCTURE.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING
THE PAST 24 HOURS. THESE CONDITIONS ARE EXPECTED TO CON-
TINUE THROUGH THE NEXT THREE DAYS. A SMALL EQUATORIAL
CORONAL HOLE IS EXPECTED TO HAVE ITS GREATEST EFFECT ON
THE GEOMAGNETIC FIELD ON 07 JULY.

III. EVENT PROBABILITIES: 06-08 JULY

CLASS M 50/40/40

CLASS X 05/01/01

PROTON 05/05/01

-CAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 04 JUL 160

ESTIMATED 05 JUL 157

PREDICTED 06-08 JUL 155/155/150

90 DAY MEAN 04 JUL 190

v. GEOMAGNETIC A INDICES

OBSERVED AFR 03 JUL 09 AP 04 JUL 10

ESTIMATED AFR 04 JUL 10 AFR/AP 05 JUL 11/15

PREDICTED AFR/AP 06-08 JUL 12/20 15/15 12/15

SOLTERWARN

BT

HFUS 3 RQU 052200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 186P

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 JULY 1981

TA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/1200Z
TO 05/2100Z: SOLAR ACTIVITY REMAINED AT LOW LEVELS DURING THIS
PERIOD. THE ONLY EVENT OF SIGNIFICANCE WAS A C2/1B FROM REGION
3185 (S18W39), ACCOMPANIED BY A 120 FLUX UNIT RADIO BURST AT
245 MHZ.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE LOW, AS REGIONS 3180 (S16W62) AND 3183 (S07W74) APPROACH
THE WEST LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
UNSETTLED DURING THIS PERIOD. AN EQUATORIAL CORONAL HOLE COULD
BRING SLIGHTLY MORE ACTIVITY DURING THE NEXT TWO DAYS.

III. EVENT PROBABILITIES 06 JULY - 08 JULY

CLASS M 50/40/30
CLASS X 05/01/01
PROTON 05/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JULY 148
PREDICTED 06-08 JULY 143/140/138
90-DAY MEAN 05 JULY 189

V. GEOMAGNETIC A INDICES

OBSERVED ΔF/ΔP 04 JULY 13/10
ESTIMATED ΔF/ΔP 05 JULY 10/18
PREDICTED ΔF/ΔP 06-08 JULY 12/20 - 15/15 - 12/15
SCLTERWARN

BT