

HEUS 1 BOU 051300

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

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 05 JULY 1981

I. 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.

II. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

III. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETLED 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.

IV. EVENT PROBABILITIES: 06-08 JULY

CLASS M 50/40/40

CLASS X 05/01/01

PROTON 05/05/01

CAF GREEN

V. 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

VI. GEOMAGNETIC 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

SOLARWARN

PT

HEUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDE NUMBER 186R

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 JULY 1981

I A. 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), ACCCOMPANIED BY A 120 FLUX UNIT RADIO BURST AT 245 MHZ.

I B. 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

OBERVED 05 JULY 148

PREDICTED 06-08 JULY 143/140/138

90-DAY MEAN 05 JULY 189

V. GEOMAGNETIC A INDICES

OBERVED AFR/AP 04 JULY 13/10

ESTIMATED AFR/AP 05 JULY 10/18

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

SOLTERWARN

BT