

NNNN

KBOU

HOUS 2 BOU 310200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
310200 JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM RAMEY TAKEN AT
301130. LOCATIONS VALID AT 31 JULY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0177 S05E04 292 0130 C 02 09 BETA

MAGNETIC CLASSIFICATION INFERRED AT RAMEY.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 310000Z.

NMBR LOCATION LO COMMENT

0176 N15E23 273

0180 S12E13 283

0181 N10E77 219 EXISTENCE NOT CONFIRMED SINCE EARLY 30 JULY.

II. NONE.

III. NONE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 212A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 31 JULY 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGION 177 (S05E01)
IS STILL THE ONLY DISK REGION CONTAINING SPOTS.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT EIGHT HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE DURING THE PAST 8
HOURS. CONDITIONS ARE EXPECTED TO CONTINUE DISTURBED THROUGH 02
AUGUST.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 311300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 212B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 31 JULY 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. THERE HAVE BEEN NO SIGNIFICANT
CHANGES ON THE DISK IN THE PAST 12 HOURS.

IB. ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN AT STORM INTENSITY FOLLOWING A
SUDDEN COMMENCEMENT AT 31/0545Z. GENERALLY ACTIVE CONDITIONS ARE
EXPECTED FOR THE NEXT 48 HOURS, WITH A TREND TOWARD QUIETER CONDITIONS
THEREAFTER.

III. EVENT PROBABILITIES 31 JUL - 02 AUG

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUL 84

PREDICTED 31 JUL - 02 AUG 85/85/86

90-DAY MEAN 30 JUL 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JUL 20

ESTIMATED 30 JUL 16

PREDICTED 31 JUL - 02 AUG 40/22/12

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 212

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 JULY 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. FIVE NON-ENERGETIC SUB-
FLARES HAVE ORIGINATED FROM REGION 177 (S05W08) WHICH IS STILL
THE ONLY SUNSPOT GROUP VISIBLE. THIS REGION HAS SHOWN SOME
GROWTH AND INCREASE IN MAGNETIC COMPLEXITY. MINOR LIMB ACTIVITY
HAS BEEN OCCURRING ON THE SOUTHEAST LIMB, PREDOMINANTLY NEAR
S07. THIS ACTIVITY MAY BE ASSOCIATED WITH RETURNING REGION 168
WHICH PRODUCED ONLY TWO SUBFLARES LAST ROTATION.

IB. SOLAR ACTIVITY WILL REMAIN LOW. SUBFLARE ACTIVITY MAY
INCREASE AS THE REGION ON THE SOUTHEAST LIMB ROTATES INTO VIEW.
REGION 168 IS DUE TO RETURN NEAR S10 EARLY 01 AUGUST.

II. A GEOMAGNETIC SUDDEN COMMENCEMENT AT 31/0545Z WAS FOLLOWED
BY MINOR STORM CONDITIONS 31/0600-1200Z AND UNSETTLED CONDITIONS
31/1200-2100Z. ACTIVE GEOMAGNETIC CONDITIONS ARE EXPECTED TO
RETURN DURING THE NIGHT OF 01 AUGUST WITH A QUIETING TREND
THEREAFTER. THE SMALL NEAR-EARTH PROTON ENHANCEMENT HAS CON-
TINUED AT ABOUT YESTERDAYS LEVEL.

III. EVENT PROBABILITIES 01 AUG - 03 AUG.

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 31 JUL 84

PREDICTED 01 AUG - 03 AUG 85/85/85

90-DAY MEAN 31 JUL 90

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 30 JUL 19

ESTIMATED 31 JUL 27

PREDICTED 01 AUG - 03 AUG 20/12/08

SOLTERWARN

SAPN

BT