

NNNN

KBOU

HOUS 2 BOU 190200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
19/0200Z FEB 1973

I. SUNSPOT DATA FROM CANARY IS AT 18/1205Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

034 S17W23 306 0240 D 08 12 BETA

037 S08W03 286 0010 B 00 02 ALPHA

MAGNETIC CLASSIFICATIONS FROM BOULDER.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

037 1B 18/2105Z 2127Z 2257Z

III. AREAS OF SPECIAL INTEREST-

WATCH FOR POSSIBLE DEVELOPMENT OF NEW BI-POLAR SPOT GROUP JUST
NORTH OF LEADER OF REGION 034.

SOLTERWARN

SPAN

BT

NNNN
KBOU
HFUS 1 BOU 190600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 050A
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 19 FEBRUARY 1973
IA. NO CHANGE
IB. NO CHANGE
II. NO CHANGE
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
SOLTERWARN.
SPAN
BT

NNNN

KBOU

HFUS 1 BOU 191300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 19 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS REMAINED LOW. A 1N/1B FLARE IN REGION 037
(S08W16) AT 19/0609Z WAS CLASS C. A SMALL NEW REGION IS EMERGING
AT S16E09 AND A SMALL REGION IS VISIBLE JUST INSIDE THE EAST LIMB
AT S16 WHERE A LOW LEVEL OF SURGING IS OCCURRING.

IB. CONTINUED LOW ACTIVITY LEVELS ARE EXPECTED WITH CLASS C FLARES
MOST PROBABLE IN REGIONS 037 AND 034 (S17W35).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. SUBSTORMS HAVE BEEN WEAK
OR NON-EXISTENT THE PAST 13 HOURS. A CONTINUED QUIET LEVEL OF ACTIVITY
IS EXPECTED.

III. EVENT PROBABILITIES 19 FEB - 21 FEB

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 FEB 93

PREDICTED 19-21 FEB 91/89/89

90-DAY MEAN 18 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 FEB 13

ESTIMATED 18 FEB 07

PREDICTED 19 FEB - 21 FEB 05/08/10

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 2 BOU 191800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 19 FEB 1973.
THIS MESSAGE IN THREE PARTS.

PART I. THIS FORECAST ISSUED AT 1800Z EACH MONDAY IS VALID FOR
A 27 DAY PERIOD. A 27-DAY MEAN VALUE OF 2800 MHZ FLUX IS GIVEN
WITH THE INCLUSIVE DATES TO EXPECT SIGNIFICANT DEVIATIONS FROM
THE MEAN.

A. THE FOLLOWING CATEGORIES ARE USED:

1. MUCH BELOW MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE MORE THAN 20 PERCENT BELOW THE EXPECTED MEAN.
2. BELOW MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE 10 TO 20 PERCENT BELOW THE EXPECTED MEAN.
3. ABOVE MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE 10 TO 20 PERCENT ABOVE THE EXPECTED MEAN.
4. MUCH ABOVE MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE MORE THAN 20 PERCENT ABOVE THE EXPECTED MEAN.

B. PART II INDICATES THE EXPECTED MEAN VALUE OF 2800 MHZ (10.7 CM) RADIO FLUX FOR THE ENTIRE PERIOD. WHEN APPROPRIATE, SIGNIFICANT DEVIATIONS FROM THE MEAN, WITH INCLUSIVE DATES TO EXPECT THESE DEVIATIONS, ARE GIVEN.

C. PART III GIVES THE EXPECTED SOLAR EVENT ACTIVITY FOR THE ENTIRE PERIOD. A RANGE IN THE NUMBER OF MINOR AND MAJOR EVENTS TO EXPECT DURING THE PERIOD IS GIVEN, USUALLY FOLLOWED BY AN APPROPRIATE REMARK INDICATING THE LIKELY PERIOD(S) TO EXPECT THE MOST ACTIVITY.

PART II. 27-DAY 2800 MHZ FLUX DENSITY FORECAST:

A. MEAN 096

B. SIGNIFICANT DEVIATIONS:

NONE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. MINOR SOLAR EVENTS THREE TO FIVE
MAJOR SOLAR EVENTS ONE OR NONE

B. EXPECT MOST ACTIVITY:

01-14 MAR

SPAN

BT

KBOU

HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 FEBRUARY 1973.

IA. SOLAR ACTIVITY DURING THE LAST 24 HOURS HAS BEEN VERY LOW WITH A SINGLE ONE NORMAL FLARE FROM REGION 037 (S08W21) AT 19/0630Z. HOWEVER, NO SIGNIFICANT ASSOCIATED EFFECTS WERE OBSERVED AND SOLRAD DATA INDICATE THE FLARE WAS ONLY AN X-RAY CLASS-C1. A ONE BRIGHT FLARE ALSO OCCURRED IN THIS REGION AT 18/2130Z WITH A C3 X-RAY CLASS EMISSION. BOTH FLARES WERE ASSOCIATED WITH DISAPPEARANCE OF PORTIONS OF AN ACTIVE DARK FILAMENT THROUGH THE REGION. REGION 037 HAS LOST ALL SPOTS AND THE TWO OTHER REGIONS ON THE DISK APPEAR STABLE WITH SIMPLE BETA MAGNETIC CONFIGURATIONS.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO OCCASIONALLY UNSETLED DURING THE LAST 24 HOURS. UNSETLED CONDITIONS ARE FORECAST FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 20 FEB - 22 FEB.

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 19 FEB 091

PREDICTED 20 FEB - 22 FEB 090/089/089

90-DAY MEAN 19 FEB 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 18 FEB 07

ESTIMATED 19 FEB 08

PREDICTED 20 FEB - 22 FEB 10/12/10

SOLTERWARN

SPAN

BT