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HOUS 2 BOU 260200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
26/0200Z FEB 1973

I. SUNSPOT DATA FROM BOULDER AT 1600Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

044 N06E49 139 0490 E 15 28 GAMMA

047 S11W82 235 0010 A 01 01 ALPHA

048 N06W04 192 0010 B 03 09 BETA

049 N16E71 117 0010 A 01 01 ALPHA

MAGNETIC CLASSES INFERRED AT BOULDER.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 044 (N06E49)

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HFUS 1 BOU 260601
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 057Z
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 26 FEBRUARY 1973
IA. NO CHANGE
IB. NO CHANGE
II. THE GEOMAGNETIC FIELD REMAINS DISTURBED WITH MINOR STORM
CONDITIONS.
III. NO CHANGE
IV. NO CHANGE
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 24 FEBRUARY 33
ESTIMATED 25 FEBRUARY 18
PREDICTED 26 FEBRUARY-28 FEBRUARY 29/15/08
SOLTERWARN
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HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 057B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 26 FEBRUARY 1973

I. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY 6 SUBFLARES REPORTED
IN THE LAST 24 HOURS. HOWEVER, REGION 044 (N06E37) REMAINS LARGE AND
MAGNETICALLY COMPLEX WITH A HIGH POTENTIAL FOR ENERGETIC ACTIVITY.
A COMPLEX NEUTRAL LINE THROUGH THE REGION CONTAINS A SHARP KINK IN THE
CENTRAL PORTION. AN ACTIVE DARK FILAMENT AND ARCH FILAMENT SYSTEM
IN THE REGION ALSO SUGGEST A HIGHLY DYNAMIC REGION WHICH COULD PRODUCE
ENERGETIC FLARES AT ANY TIME. THE REMAINDER OF THE DISK AND THE LIMBS
ARE QUIET.

IB. REGION 044 IS LIKELY TO PRODUCE ONE OR MORE CLASS M EVENTS AND
POSSIBLY A CLASS X EVENT DURING THE FORECAST PERIOD.

II. MINOR GEOMAGNETIC STORM CONDITIONS CONTINUED DURING LOCAL
NIGHT HOURS. DECREASING ACTIVITY IS EXPECTED WITH AN ACTIVE GEOMAGNETIC
FIELD FOR NEXT 24 HOURS BECOMING ONLY SLIGHTLY UNSETTLED BY THE END
OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 FEB-28 FEB

CLASS M 80/80/80

CLASS X 10/10/15

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 FEB 099

PREDICTED 26 FEB-28 FEB 102/105/108

90-DAY MEAN 25 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 FEB 33

ESTIMATED 25 FEB 18

PREDICTED 26 FEB-28 FEB 29/15/08

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HFUS 2 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 26 FEBRUARY
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 FORE-
CAST 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 FORE-
CAST 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 100

B. SIGNIFICANT DEVIATIONS:

NONE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. MINOR SOLAR EVENTS FOUR TO EIGHT

MAJOR SOLAR EVENTS ONE OR TWO

EXPECT MOST ACTIVITY:

26 FEB - 08 MARCH

HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 057

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 FEBRUARY 1973.

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 044 (N07E31)
IS THE ONLY SIGNIFICANT REGION ON THE DISK, AND REMAINS COMPLEX
WITH LITTLE CHANGE SINCE YESTERDAY. REGION 048 (N07W20) IS THE
ONLY OTHER REPORTED WHITE-LIGHT REGION.

IB. REGION 044 HOLDS POTENTIAL FOR ENERGETIC ACTIVITY, M, X, AND
PROTON FLARES ARE POSSIBLE. OTHER REGIONS WILL PRODUCE ONLY
C-CLASS SUBFLARES.

II. MAGNETIC ACTIVITY DID NOT DECLINE AS EXPECTED, WITH MINOR
STORM CONDITIONS PERSISTING THROUGH 26/0900Z AT BOULDER. ACTIVITY
IS EXPECTED TO DECLINE DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 27 FEB - 01 MAR.

CLASS M 80/80/80

CLASS X 10/15/10

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 26 FEB 098

PREDICTED 27 FEB - 01 MAR 102/105/108

90-DAY MEAN 26 FEB 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 25 FEB 20

ESTIMATED 26 FEB 26

PREDICTED 27 FEB - 01 MAR 20/12/08

SOLTERWARN

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