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HOUS 2 BOU 050200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
05/0200 FEB 1973

I. SUNSPOT DATA FROM CANARY IS. AT 040930Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

026 S07E27 072 0120 D 05 09 BETA

MAGNETIC CLASSIFICATION ACCORDING TO CANARY ISLAND

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTEREST-

NONE

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HOUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 036

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 05 FEBRUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 036B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 05 FEBRUARY 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. SPOTS IN REGION 026 (S07E22) HAVE BROKEN UP SLIGHTLY. NEW REGION 029 (N05E84) HAS A SMALL H-TYPE SPOT IN PLAGE. NEW REGION 030 (N10E83) IS AN H-TYPE SPOT WITH NO PLAGE. CONTINUOUS MINOR SURGE ACTIVITY ACCOMPANIED THESE TWO REGIONS ACROSS THE LIMB. GROWTH HAS SLOWED IN REGION 028 (S03W45) WHERE A SMALL B-TYPE GROUP EXISTS.

IB. ACTIVITY WILL CONTINUE VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETLED, AND IS EXPECTED TO BECOME MORE UNSETTLED TO ACTIVE TOWARD THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05-07 FEB

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 FEB 098

PREDICTED 05-07 FEB 099/100/101

90-DAY MEAN 04 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 FEB 16

ESTIMATED 04 FEB 08

PREDICTED 05-07 FEB 12/16/20

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HFUS 2 BOU 051800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 05 FEB 73
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 100

B. SIGNIFICANT DEVIATIONS:

ABOVE MEAN 12-14 FEB

PART III. 27-DAY SOLAR EVENT FORECAST:

A. MINOR SOLAR EVENTS FOUR TO SIX
MAJOR SOLAR EVENTS ONE OR NONE

B. EXPECT MOST ACTIVITY:

08-17 FEB

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KBOU V
HFUS BOU 052200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 036
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSU

D 2200Z 05 FEBRUARY 1973.

IA. SOLAR ACTIVITY HAS CONTINUED VERY LOW WITH NO FLARE ACTIVITY REPORTED DURING LAST 24 HOURS. RGN 028 /S06W48/ HAS DEVELOPED AN ARCH FILAMENT SYSTEM BUT REMAINS A SIMPLE BIPOLE GROUP. RGN 026 /S09E18/ REMAINS COMPACT WITH SLOW PLAGE GROWTH.

IB. ACTIVITY IS EXPECTED TO REMAIN VERY LOW WITH SOME INCREASE IN SUBFLARES AS NEW RGNS 029 /N05E74/ AND 030 /N10E74/ PROCEED ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO BE UNSETTLED TO MILDLY ACTIVE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 FEB - 08 FEB.

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 05 FEB 097

PREDICTED 06 FEB - 08 FEB 098/100/102

90-DAY MEAN 05 FEB 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 04 FEB 07

ESTIMATED 05 FEB 09

PREDICTED 06 FEB - 08 FEB 12/16/20

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