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HOUS 2 BOU 160200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
16/0200Z APRIL 1973

I. SUNSPOT DATA FROM RAMEY AT 15/1200Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0077 S08W60 324 0110 D 09 17 BETA-GAMMA

0080 N01E24 240 0000 A 00 01 ALPHA

MAGNETIC CLASSIFICATIONS FROM RAMEY.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

077 0N 15/0658Z 0701Z 0718Z S

III. AREAS OF SPECIAL INTEREST-

NONE.

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HFUS 1 BOU 160601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 106A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 16 APRIL 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 106

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 APRIL 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 077 (S08W79), HAS PRODUCED SIX FLARES, ONE OF WHICH (MAX TIME 0809Z) REACHED X-RAY CLASS C-8 AND CAUSED A MODERATE SHORT WAVE FADE. THERE ARE FOUR OTHER PLAGE REGIONS ON THE DISK, ONLY ONE OF WHICH (REGION 080, N01E05), CONTAINS SPOTS BUT THESE REGIONS ARE ALL SMALL AND INACTIVE. EXCEPT FOR AN ACTIVE PROMINENCE NEAR N10 THE EAST LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO VERY LOW THROUGH THE FORECAST PERIOD. SMALL CLASS M EVENTS ARE POSSIBLE FROM REGION 077 PRIOR TO ITS PASSAGE OVER THE WEST LIMB ON 17 APRIL. THEREAFTER ACTIVITY IS EXPECTED TO DECLINE TO AN EXTREMELY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE SINCE 0000Z 16 APRIL. THE FIELD IS EXPECTED TO REMAIN ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 APR - 19 APR.

CLASS M 30/25/10

CLASS X 05/02/01

PROTON 05/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 16 APR 084

PREDICTED 17 APR - 19 APR 082/080/082

90-DAY MEAN 16 APR 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 15 APR 09

ESTIMATED 16 APR 28

PREDICTED 17 APR - 19 APR 25/20/18

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 106

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 APRIL 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 077 (S08W79), HAS PRODUCED SIX FLARES, ONE OF WHICH (MAX TIME 0809Z) REACHED X-RAY CLASS C-8 AND CAUSED A MODERATE SHORT WAVE FADE. THERE ARE FOUR OTHER PLAGE REGIONS ON THE DISK, ONLY ONE OF WHICH (REGION 080, NO1E05), CONTAINS SPOTS BUT THESE REGIONS ARE ALL SMALL AND INACTIVE. EXCEPT FOR AN ACTIVE PROMINENCE NEAR N10 THE EAST LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO VERY LOW THROUGH THE FORECAST PERIOD. SMALL CLASS M EVENTS ARE POSSIBLE FROM REGION 077 PRIOR TO ITS PASSAGE OVER THE WEST LIMB ON 17 APRIL. THEREAFTER ACTIVITY IS EXPECTED TO DECLINE TO AN EXTREMELY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE SINCE 0000Z 16 APRIL. THE FIELD IS EXPECTED TO REMAIN ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 APR - 19 APR.

CLASS M 30/25/10

CLASS X 05/02/01

PROTON 05/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 16 APR 084

PREDICTED 17 APR - 19 APR 082/080/082

90-DAY MEAN 16 APR 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 15 APR 09

ESTIMATED 16 APR 28

PREDICTED 17 APR - 19 APR 25/20/18

SOLTERWARN

SPAN

BT

HFUS 1 BOU 161300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 106B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 16 APRIL 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 077 (S08W63) HAS PRODUCED OCCASIONAL SUBFLARES, ONE OF WHICH (MAX TIME 0809Z) BARELY REACHED X-RAY CLASS M ACCORDING TO VELA SATELLITE DATA. ASIDE FROM SOME WEST LIMB ACTIVITY DUE TO DEPARTING REGIONS, THE REST OF THE SUN IS INACTIVE.

IB. THE PRESENT LEVEL OF ACTIVITY WILL LIKELY DECLINE SLOWLY, WITH ONLY A SLIGHT POSSIBILITY FOR ANY SIGNIFICANT FLARES.

II. THE GEOMAGNETIC FIELD HAS BECOME ACTIVE OVER THE LAST 12 HOURS. RECURRENCE PLOTS SUGGEST THAT THE FIELD MAY BEGIN TO DECLINE AFTER A DAY OR SO, BUT REMAIN ACTIVE FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 APR - 18 APR

CLASS M 30/25/20

CLASS X 05/05/05

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 APR 89

PREDICTED 16 APR - 18 APR 90/88/89

90-DAY MEAN 15 APR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 APR 33

ESTIMATED 15 APR 10

PREDICTED 16 APR - 18 APR 27/24/20

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BT

HFUS 2 BOU 161800
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 16 APRIL 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 DENSITY
IS GIVEN WITH THE INCLUSIVE DATES OF EXPECTED SIGNIFICANT
DEVIATIONS FROM THE MEAN. SEE 02 APRIL FORECAST FOR DEFINITIONS.

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

A. MEAN 100

B. SIGNIFICANT DEVIATIONS:

BELOW MEAN: 17-21 APRIL

ABOVE MEAN: 29 APRIL-01 MAY

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS 4-6

CLASS X SOLAR EVENTS 1 OR NONE

B. EXPECT MOST ACTIVITY:

22-28 APRIL

02-05 MAY

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