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HFUS 1 BOU 180600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 108A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 18 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 1 BOU 181300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 108B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 18 APRIL 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. A NEW REGION HAS ROTATED OVER THE LIMB (N10E80) AND IS REPORTED AS A TYPE "H" SPOT GROUP. IT HAS AN ASSOCIATED ACTIVE PROMINENCE ON THE LIMB, AND HAS PRODUCED FOUR SUBFLARES IN THE LAST TEN HOURS. THE REST OF THE DISK IS QUIET, WITH THE ONLY NEW DEVELOPMENT BEING THE OBSERVED APPEARANCE OF AN "A" TYPE SPOT IN A SMALL PLAGE AT S13E45.

IB. WITH THE REGION NOW COMING ONTO THE DISK, CHANCES FOR SIGNIFICANT FLARE ACTIVITY ARE INCREASED, ALTHOUGH SOLAR ACTIVITY WILL LIKELY BE NO GREATER THAN LOW FOR THE FORECAST PERIOD.

II. A MINOR GEOMAGNETIC STORM IS IN PROGRESS, AND THE FIELD FLUXUATIONS ARE EXPECTED TO DECLINE TO ACTIVE LEVELS THROUGHOUT THE NEXT TWO OR THREE DAYS.

III. EVENT PROBABILITIES 18 APR - 20 APR

CLASS M 27/27/27

CLASS X 05/05/05

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APR 81

PREDICTED 18 APR - 20 APR 81/82/84

90-DAY MEAN 17 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 APR 35

ESTIMATED 17 APR 27

PREDICTED 18 APR - 20 APR 34/30/26

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PREDICTED 18 APR - 20 APR 34/30/26

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 108

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 18 APRIL 1973.

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY DURING THE PAST 24 HOURS WITH THE ARRIVAL OF REGION 082 (N10E75, APPROXIMATE LOCATION OF OLD REGIONS 061 AND 069) OVER THE EAST LIMB. IT PRODUCED FIVE SUBFLARES DURING THE FIRST THIRD OF THE DAY AND WAS THE PROBABLE SOURCE OF A CLASS M-1 X-RAY EVENT AT 1035Z, BUT HAS PRODUCED ONLY MINOR SURGE ACTIVITY SINCE. A NEW REGION, 083, APPEARS TO BE GROWING AT S13E40, BUT IT HAS NOT YET PRODUCED MORE THAN INTENSITY 2-3 PLAGE ENHANCEMENTS. REGIONS 080 (S02W06) AND 081 (N16W12) ARE INACTIVE AND THEIR SPOTS ARE NO LONGER OBSERVABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW THROUGH THE FORECAST PERIOD. REGION 083 IS LIKELY TO HAVE SOME OF THE COMPLEXITY AND CONSEQUENT ACTIVITY OF ITS PREDECESSORS, REGIONS 061 AND 069.

II. THE GEOMAGNETIC FIELD HAS CONTINUED ACTIVE AND IS EXPECTED TO CONTINUE SO THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 APR - 21 APR.

CLASS M 30/30/30

CLASS X 02/02/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 18 APR 080

PREDICTED 19 APR - 21 APR 081/082/085

90-DAY MEAN 18 APR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 17 APR 29

ESTIMATED 18 APR 27

PREDICTED 19 APR - 21 APR 27/25/24

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