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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 111A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 APRIL 1974

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. THE THREE DISK
REGIONS APPEAR STABLE AND QUIET. THE LIMBS ARE ALSO QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL. A FEW NON-
ENERGETIC SUBFLARES WILL BE OBSERVED DURING THE NEXT 8 HOURS.

II. THE MINOR GEOMAGNETIC STORM CONTINUES AND WILL CONTINUE AT
PRESENT LEVEL DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS 1 BOU 211400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 111B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 21 APRIL 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. ONLY VERY INFREQUENT, SMALL
SUBFLARES HAVE BEEN REPORTED, AS THE CHARACTER OF THE DISK HAS BEEN
QUIET. ALL REGIONS CURRENTLY VISIBLE HAVE BEEN PREDOMINANTLY STABLE.
IB. WITH ONLY OCASIONAL, NON-ENERGETIC SUBFLARES ANTICIPATED, SOLAR
ACTIVITY WILL REMAIN VERY LOW.

II. THE GEOMAGNETIC DISTURBANCE CONTINUES, WITH ACTIVE LEVELS NOW
PREVALENT. IT WILL CONTINUE THROUGH THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 APRIL - 23 APRIL

CLASS M 40/30/10

CLASS X 10/05/02

PROTON 03/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 APRIL 82

PREDICTED 21 APRIL - 23 APRIL 77/73/70

90-DAY MEAN 20 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 APRIL 33

ESTIMATED AFR/AP 20 APRIL 32/46

PREDICTED AFR/AP 21 APRIL - 23 APRIL 20/24 - 17/20 - 17/20

SOLTERWARN

SPAN

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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 111

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 APRIL 1974

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGION 384 (S13W83), WHICH EARLIER GENERATED A FEW SMALL SUBFLARES, IS BEGINNING ITS LIMB TRANSIT. THE PLAGE HERE HAS BEEN STABLE. NO FLARES HAVE BEEN OBSERVED IN REGION 385 (S08W78), WHICH IS ALSO NEARING WEST LIMB. NEW REGION 387 (S09E54) EMERGED TODAY, AND THREE SPOTS ARE VISIBLE THERE. AT THIS TIME THE REGION IS MAGNETICALLY SIMPLE. REGION 386 (N03W59) APPEARS TO BE INNOCUOUS. THE REMAINDER OF THE DISK AND THE LIMBS HAVE BEEN QUIET.

IB. SURGE ACTIVITY IS EXPECTED AT WEST LIMB WITH THE PASSAGE OF REGIONS 384 AND 385. THE ONLY OTHER ACTIVITY ANTICIPATED WOULD BE ISOLATE SMALL SUBFLARES, AS SOLAR ACTIVITY WILL REMAIN VERY LOW.

II. ACTIVE CONDITIONS HAVE BEEN IN EVIDENCE IN THE GEOMAGNETIC FIELD TODAY. THIS DISTURBANCE WILL PERSIST THROUGHOUT THE FORECAST PERIOD, AND SHOULD WEAKEN IN THE LATTER PART.

III. EVENT PROBABILITIES 22-24 APR

CLASS M 20/15/10

CLASS X 05/03/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 APR 79

PREDICTED 22-24 APR 76/74/73

90-DAY MEAN 21 APR 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 APR 27

ESTIMATED AFR/AP 21 APR 24/31

PREDICTED AFR/AP 22-24 APR 21/26 - 19/22 - 17/20

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