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HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 180A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS,
AND ONLY TWO CLASS C SUBFLARES HAVE BEEN REPORTED. THESE EVENTS
OCCURRED IN REGION 432 (S17E70) AT 29/0134Z AND 0350Z. DATA FROM THE
GOES SATELLITE'S 1-8 ANGSTROM SENSOR INDICATES THAT THE X-RAY BACK-
GROUND LEVEL IS RELATIVELY HIGH AND FLUCTUATING. AT PRESENT IT IS
NOT KNOWN WHETHER THIS ACTIVITY IS DUE TO THE COMPLEX OF REGIONS
432, 433 (S14E60) AND 434 (S12E66), OR TO A NEW REGION THAT MIGHT BE
LOCATED BEHIND THE EAST LIMB. THE COMPLEX OF REGIONS IN THE SOUTH-
EAST APPEARS TO BE RELATIVELY DYNAMIC, AND MAGNETIC COMPLEXITY MAY
EXIST THERE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE, WITH OCCASION-
AL ACTIVITY LIKELY IN REGIONS 432, 433 AND 434.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST EIGHT
HOURS. CONTINUED ACTIVE CONDITIONS, GRADUALLY BECOMING UNSETTLED,
ARE LIKELY DURING THE FORECAST PERIOD.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 291400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 180B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED Q1400Z 29 JUNE 1974

IA. THE FAMILIAR ACTIVE LONGITUDES NEAR EAST LIMB NOW HAVE AGAIN
GENERATED IMPORTANT ACTIVE CENTERS. REGION 433(S13E58) HAS GROWN
FROM TYPE-A TO TYPE-E SPOT GROUP IN 24 HOURS WITH FREQUENT
SUBFLARES AND A STEADY RISE IN X-RAY INTENSITY. A NEW SMALL REGION
WITH SPOTS (AR 435) HAS APPEARED AT S10E15. CORONAL RAIN AND SMALL
SURGES INDICATE AN ADDITIONAL ACTIVE CENTER MAY LIE BEYOND SE LIMB.
IB. A CONTINUED RISE IN FLARE ACTIVITY TO CLASS-M LEVELS IS
EXPECTED DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND SHOULD GRADUALLY
SUBSIDE TO UNSETTLED CONDITIONS IN THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 29 JUNE - 01 JULY

CLASS M 40/60/80

CLASS X 01/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUNE 80

PREDICTED 29 JUNE - 01 JULY 88/94/98

90-DAY MEAN 28 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JUNE 37

ESTIMATED AFR/AP 28 JUNE 25/35

PREDICTED AFR/AP 29 JUNE - 01 JULY 15/20 - 12/15 - 08/10

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 180

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 JUNE 1974

IA. SOLAR ACTIVITY HAS INCREASED WITH NUMEROUS SUBFLARES AND A
HIGH X-RAY BACKGROUND AS REGION 433 (S13E51) CONTINUES GROWTH.
THE SPOT GROUP IS NOW TYPE-E AND CONTAINS TWO DELTA CONFIGURATIONS
BUT ITS AREA IS SMALL. A SMALL NEW REGION (435) AT S10E08 HAS
BEGUN MORE RAPID DEVELOPMENT DURING THE PAST TWO HOURS. ALL
OTHER REGIONS ARE INSIGNIFICANT.

IB. ENERGETIC FLARES (CLASS M) ARE EXPECTED AS REGION 433
REACHES ITS MAXIMUM SIZE IN THE NEXT TWO DAYS.

II. THE GEOMAGNETIC FIELD HAS QUIETED TO AN UNSETTLED CONDITION.
FURTHER SUBSIDENCE MAY REACH QUIET LEVELS BY THE END OF THIS
FORECAST PERIOD.

III. EVENT PROBABILITIES 30 JUNE - 02 JULY

CLASS M 50/70/80

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUNE 89

PREDICTED 30 JUNE - 02 JULY 94/98/100

90-DAY MEAN 29 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JUNE 24

ESTIMATED AFR/AP 29 JUNE 16/22

PREDICTED AFR/AP 30 JUNE - 02 JULY 15/21 - 08/12 - 06/09

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