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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 BACKGROUND 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 OCCASIONAL 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 UNSETLED, 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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