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HFUS 1 BOU 230600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 143A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 23 MAY 1974

IA. SOLAR FLARE ACTIVITY REMAINS VERY LOW. TRANSIENT DEVELOPMENT OF
SMALL PLAGE REGIONS (E.G. AT N13E06 AND S11W15) IS REPORTED, BUT
ONLY ONE ACTIVE REGION CURRENTLY HAS SPOTS. MINOR ENHANCEMENTS OF
X-RAY FLUX AT EAST LIMB CONTINUE.

IB. SOLAR FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW. A GOOD
POSSIBILITY OF CORONAL TRANSIENTS FROM EAST LIMB EXISTS.

II. THE GEOMAGNETIC FIELD HAS QUIETED, EXCEPT FOR A BAY OBSERVED
AT MIDDLE LATITUDES BETWEEN 05 AND 06 HOURS U.T. THE FIELD IS
EXPECTED TO REMAIN UNSETTLED TO ACTIVE DURING LOCAL DARKNESS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAY 18

ESTIMATED AFR/AP 22 MAY 17/25

PREDICTED AFR/AP 23-25 MAY 22/28 - 17/20 - 17/20

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HFUS 1 BOU 231400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 143B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 23 MAY 1974

IA. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL, WITH NO
SIGNIFICANT ACTIVITY REPORTED DURING THE LAST 8 HOURS.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW FOR THE DURATION OF THE
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, AND STRONGLY UNSETTLED
TO ACTIVE CONDITIONS ARE EXPECTED THROUGH 25 MAY.

III. EVENT PROBABILITIES 23 MAY - 25 MAY

CLASS M 03/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAY 70

PREDICTED 23 MAY - 25 MAY 71/73/75

90-DAY MEAN 22 MAY 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAY 18

ESTIMATED AFR/AP 22 MAY 17/25

PREDICTED AFR/AP 23 MAY - 25 MAY 22/28 - 17/20 - 17/20

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HFUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 143

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 MAY 1974

IA. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL FOR THE PAST 24 HOURS, WITH NO SIGNIFICANT ACTIVITY OBSERVED. REGION 411 (S18W31), WHICH CONTAINS THE ONLY TWO SPOTS ON THE SOLAR DISK, HAS BEEN STABLE.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW, POSSIBLY INCREASING TO A LOW LEVEL NEAR THE END OF THE FORECAST PERIOD AS MAGNETIC FIELDS ASSOCIATED WITH OLD REGIONS 389, 390, 392, 396, 398, AND 401 RETURN TO EAST LIMB BETWEEN S10 AND N15. ANY SIGNIFICANT ACTIVITY WHICH OCCURS IN THE NEXT 72 HOURS WILL PROBABLY BE ON THE EAST LIMB.

II. THE PLANETARY GEOMAGNETIC FIELD HAS BEEN DISTURBED TO THE MINOR STORM LEVEL, WHILE LOWER LATITUDE MAGNETOMETERS SHOW ACTIVE CONDITIONS. ACTIVE CONDITIONS ARE EXPECTED TO DOMINATE FOR THE DURATION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24 - 26 MAY

CLASS M 03/05/08

CLASS X 01/01/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM. FLUX

OBSERVED 23 MAY 70

PREDICTED 24 - 26 MAY 72/75/78

90-DAY MEAN 23 MAY 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 MAY 17

ESTIMATED AFR/AP 23 MAY 20/33

PREDICTED AFR/AP 24 - 26 MAY 20/25 - 22/28 - 18/21

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