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HFUS 1 BOU 182600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 277A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 18 MARCH 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
NO FLARES HAVE BEEN OBSERVED. SMALL SURGES WERE OBSERVED ON THE
SOUTHEAST LIMB.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO REMAIN QUIET
TO SLIGHTLY UNSETTLED DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS BOU 181400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 077B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 18 MARCH 1974

IA. A NEW ACTIVE CENTER HAS ROTATED OVER EAST LIMB AT S07. ONE SPOT IS VISIBLE AND SURGING HAS BEEN REPORTED. THE REGION APPEARS DYNAMIC, AND MAY HAVE BEEN THE SOURCE OF A "GRADUAL RISE AND FALL" X-RAY EVENT BETWEEN 16 AND 19 HOURS U.T. YESTERDAY. CLASS C THRESHOLD WAS NOT EXCEEDED DURING THAT EVENT. REGION 363 (S16W11) HAS HAD FILAMENT ACTIVITY DURING THE PAST 12 HOURS, BUT NO FLARES REPORTED. OPTICAL PATROL HAS BEEN SPORADIC, DUE TO WEATHER AT THE OBSERVATORIES.

IB. CLASS C FLARE ACTIVITY MAY BE EXPECTED, BOTH FROM ACTIVE REGION 363 AND FROM EAST LIMB.

II. THE GEOMAGNETIC FIELD IS QUIET, AND IS EXPECTED TO REMAIN QUIET UNTIL THE END OF THE FORECAST PERIOD. PROTON FLUXES NEAR EARTH ARE AT BACKGROUND.

III. EVENT PROBABILITIES 18-20 MARCH

CLASS M 10/10/10

CLASS X 01/01/01

PPOTON 01/21/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAR 83

PREDICTED 18-20 MAR 85/87/88

90-DAY MEAN 17 MAR 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 MAR 17

ESTIMATED AFR/AP 17 MAR 09/10

PREDICTED AFR/AP 18-20 MAR 05/06 - 09/10 - 20/24

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HFUS BOU 182200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 077
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 MARCH 1974

IA. SOLAR FLARE ACTIVITY HAS BEEN VERY LOW DURING THE LAST 24 HOURS. ACTIVE REGION 368 (S08E78) IS A NEW REGION (NOT A RETURNING REGION) THAT SHOWED SUBSTANTIAL SURGE ACTIVITY DURING LIMB PASSAGE, BUT HAS PRODUCED NO FLARES. ONLY ONE SPOT IS CURRENTLY VISIBLE. ELSEWHERE, ACTIVE REGION 363 (S19W18) REMAINS MAGNETICALLY SIMPLE, AND IS NOT FLARING, ALTHOUGH FILAMENT ACTIVATION HAS BEEN REPORTED. ALL OTHER ACTIVE CENTERS ARE QUIET AND DECAYING.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN LOW, ALTHOUGH REGIONS 368 AND 363 MAY PRODUCE CLASS C FLARES.

II. THE GEOMAGNETIC FIELD IS QUIET, AND PROBABLY WILL REMAIN SO FOR THE NEXT 36 HOURS. AFTER THEN, A RECURRENT DISTURBANCE IS EXPECTED. PROTON FLUXES NEAR EARTH ARE AT BACKGROUND.

III. EVENT PROBABILITIES 19 - 21 MARCH

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MARCH 81

PREDICTED 19 - 21 MARCH 83/85/86

90-DAY MEAN 18 MARCH 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 MARCH 08

ESTIMATED AFR/AP 18 MARCH 02/03

PREDICTED AFR/AP 19 - 21 MARCH 09/10 - 20/24 - 11/12

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