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HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 118A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 28 APRIL 1974

IA. SOLAR ACTIVITY IS VERY LOW. NO ACTIVITY HAS BEEN OBSERVED AND
THE DISK AND LIMBS APPEAR STABLE AND QUIET.

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

II. THE GEOMAGNETIC DISTURBANCE DECREASED DURING THE DAYTIME HERE
IN BOULDER. AT PRESENT THE FIELD IS STILL DISTURBED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 281400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 118B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 28 APRIL 1974

IA. FLARE ACTIVITY HAS BEEN VERY LOW DURING THE PAST 3 HOURS.
X-RAY FLUXES ARE ENHANCED AT THE EAST LIMB, WHERE OLD ACTIVE REGION
377 (AT S05) IS ON THE LIMB TODAY, AND OLD ACTIVE REGIONS 381
(N12) AND 382 (N09) ARE RETURNING. PROMINENCE ACTIVITY HERALS THE
RETURN OF THE LATTER REGIONS AND THE DEKAMETRIC RADIO ACTIVITY THAT
HAS BEEN OBSERVED DURING THE LAST 36 HOURS IS POSSIBLY ASSOCIATED
WITH CORONAL STRUCTURE CURRENTLY AT EAST LIMB.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NON-ENERGETIC
FLARES FROM REGIONS CURRENTLY APPROACHING EAST LIMB ARE POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE WITH A MINOR
STORM THAT BEGAN YESTERDAY. THE FIELD IS EXPECTED TO CONTINUE TO
BE UNSETTLED DURING THE FORECAST PERIOD. PROTON FLUXES NEAR
EARTH ARE AT BACKGROUND.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

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HFUS BOU 282210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 118

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 28 APRIL 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE LAST 24 HOURS, WITH NO FLARES REPORTED AND NO SPOTS VISIBLE. AT EAST LIMB, SURGING HAS BEEN REPORTED AT N06 AND S07, WHERE X-RAY FLUXES HAVE BEEN ENHANCED FOR A DAY. SOME PLAGE IS NOW VISIBLE AT N08E80 AND S05E90, AND IS THOUGHT TO BE ASSOCIATED WITH RETURNING ACTIVE REGIONS. DEKAMETRIC RADIO ACTIVITY SUGGESTS THAT ACTIVE CORONAL STRUCTURE IS ASSOCIATED WITH THESE REGIONS.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN VERY LOW, BUT A GOOD POSSIBILITY OF CORONAL ACTIVITY EXISTS.

II. THE GEOMAGNETIC FIELD WAS ACTIVE EARLIER, BUT HAS NOW QUIETED. RENEWED ACTIVITY IS ANTICIPATED IN A DAY OR SO. TRANSIENT PERTURBATIONS OF LOW-ENERGY PROTON FLUXES ON MORNING AND EVENING SIDES OF THE MAGNETOSPHERE HAVE BEEN REPORTED.

III. EVENT PROBABILITIES 29 APRIL - 01 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 APRIL 76

PREDICTED 29 APRIL - 01 MAY 78/78/80

90-DAY MEAN 28 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 APRIL 20

ESTIMATED AFR/AP 28 APRIL 16/18

PREDICTED AFR/AP 29 APRIL - 1 MAY 13/14-20/24-13/14

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