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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 120A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 30 APRIL 1974

IA. A ONE BRIGHT FLARE WAS OBSERVED AT 30/0207Z ON THE SOUTHEAST LIMB AT S08E90. NO OTHER ACTIVITY HAS BEEN OBSERVED.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. AT PRESENT NO REGION IS VISIBLE AT S08 EAST LIMB. ACTIVITY MAY INCREASE WITH RETURN OF REGION 375.

II. THE GEOMAGNETIC FIELD IS DISTURBED BUT IT IS AT SUBSTORM LEVEL. THIS CONDITION WILL CONTINUE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 30 APRIL -02 MAY

CLASS M 20/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS 1 BOU 301400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 120B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 30 APRIL 1974

IA. SOLAR ACTIVITY HAS PRODUCED A 1N(M4) AND 1B(M1) FLARE AT
0207Z AND 1306Z RESPECTIVELY, BOTH FROM REGION 392 (S08E88).
THE 0207Z FLARE WAS ACCCOMPANIED BY MINOR SHORT WAVE FADES AND TYPE
III DEKAMETRIC BURSTS. AN M1 AND MINOR DEKAMETRIC BURST WERE
REPORTED AT 0300Z, BUT NO OPTICAL EVENT WAS REPORTED.
IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SOMEWHAT AS REGION
392 ROTATES ONTO THE DISK AND OLD REGION 383 IS DUE BACK ON
1 MAY.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE CONDITIONS AND SHOULD
BE AT ACTIVE TO MINOR STORM CONDITIONS FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 30 APRIL - 2 MAY

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 APRIL 80

PREDICTED 30 APRIL - 2 MAY 84/86/87

90-DAY MEAN 29 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 APRIL 18

ESTIMATED AFR/AP 29 APRIL 14/16

PREDICTED AFR/AP 30 APRIL - 2 MAY 15/17 - 25/33 - 18/21

SOLTERWARN

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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 120

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 APRIL 1974

IA. SOLAR ACTIVITY HAS INCREASED SIGNIFICANTLY IN THE PAST 24 HOURS WITH 4 ENERGETIC EVENTS AT 0207Z (1B,M4), 0300Z (M1), 1306Z (1N,M2), 1756Z (1N). ALL EVENTS WERE FROM REGION 392 (S09E78). THE 1756Z EVENT WAS ACCCOMPANIED BY AN IMPORTANCE 3 LIMB EVENT WHICH ALSO GAVE SIGNIFICANT TYPE III AND TYPE IV DEKAMETRIC BURSTS, TWO MINOR, FIXED-FREQUENCY BURSTS AND MODERATE IONOSPHERIC DISTURBANCES. NUMEROUS TYPE III AND TYPE IV BURSTS HAVE OCCURRED THROUGHOUT THE DAY. REGION 392 IS NEAR THE LOCATION OF REGION 375 WHICH WAS VERY ACTIVE DURING ITS LAST APPEARANCE.

IB. AS REGION 392 ROTATES ONTO THE DISK AND OLD REGION 383 IS DUE TO RETURN, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LEAST MODERATE DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, AND IS EXPECTED TO BE ACTIVE TO MINOR STORM CONDITIONS FOR THIS PERIOD.

III. EVENT PROBABILITIES 01 - 03 MAY

CLASS M 55/55/55

CLASS X 15/15/15

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APRIL 90

PREDICTED 01 - 03 MAY 94/98/102

90-DAY MEAN 30 APRIL 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 APRIL 16

ESTIMATED AFR/AP 30 APRIL 19/22

PREDICTED AFR/AP 01 - 03 MAY 25/33 - 18/21 - 15/17

SOLTERWARN

SPAN

BT