

HFUS 1 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 304A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 31 OCT 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. OCCASIONAL MINOR XRAY EN-
HANCEMENTS HAVE BEEN OBSERVED, HEIGHTENING SPECULATION THAT OLD
REGION 503/505 MAY RETURN 01 NOV WITH ENERGETIC POTENTIAL.

IB. NO REGION PRESENTLY ON THE VISIBLE DISK IS CONSIDERED CAPABLE
OF GENERATING ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET. QUIET CONDI-
TIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 311430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 304B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 31 OCT 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES OBSERVED
DURING THE LAST 24 HOURS. ALL REGIONS NOW ON THE DISK ARE
RELATIVELY SMALL AND STABLE. HOWEVER, SOME SURGES HAVE BEEN
OBSERVED AT NE08, INDICATING THE RETURN OF OLD REGION 503.
SURGING HAS ALSO BEEN OBSERVED AT SE17, INDICATING A POSSIBLE
NEW REGION. AN INCREASE IN THE X-RAY BACKGROUND AT 1-8 ANGSTROMS
SUGGESTS THAT THESE REGIONS MAY BE THE SOURCE OF ENERGETIC ACTIVITY.
IB. WITH THE POSSIBLE RETURN OF ACTIVE REGIONS ON THE NE LIMB,
THE EVENT PROBABILITIES WILL INCREASE SLIGHTLY DURING THE NEXT
THREE DAYS.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET TO SLIGHTLY UNSETTLED.
GENERALLY QUIET CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 OCT - 02 NOV

CLASS M 05/10/15

CLASS X 01/01/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 OCT 84

PREDICTED 31 OCT - 02 NOV 89/93/97

90-DAY MEAN 30 OCT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 OCT 16

ESTIMATED AFR/AP 30 OCT 10/11

PREDICTED AFR/AP 31 OCT - 02 NOV 07/08 - 06/07 - 05/06

SOLTERWARN

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HFUS BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 304

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 OCT 1974

IA. SOLAR ACTIVITY HAS INCREASED DURING THE LAST 8 HOURS.
REGIONS NOW ON THE DISK REMAIN SMALL AND STABLE, AND NO FLARES
HAVE BEEN OBSERVED DURING THE LAST 24 HOURS. HOWEVER, AN ACTIVE
PROMINENCE HAS BEEN OBSERVED AT NE10-16 THROUGH THE DAY, AND AT
31/1545Z, A PORTION OF THIS PROMINENCE ERUPTED TO ABOUT .5
SOLAR RADIUS. THIS WAS ACCOMPANIED BY AN M8 X-RAY EVENT, A 32
FLUX UNIT BURST AT 2695 MHZ, AND A TYPE IV BURST AT DEKAMETRIC
WAVELENGTHS. THE X-RAY LEVELS DECLINED VERY SLOWLY, AND THE
1-8 ANGSTROM LEVEL REMAINS WELL ABOVE THE PRIOR BACKGROUND LEVEL.

IB. THE PROBABLE SOURCE OF THE LIMB ACTIVITY IS OLD REGION 523
DUE TO RETURN AT NE07 ON 01 NOV. THIS REGION HAS APPARENTLY
CONTINUED ACTIVE AND NOW APPEARS TO BE A PROBABLE SOURCE
OF ADDITIONAL ENERGETIC EVENTS DURING THE FORECAST PERIOD. DUE
TO THE EAST LIMB LOCATION OF THE ACTIVITY, THE PROBABILITY OF A
PROTON EVENT REMAINS VERY SMALL.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET, AND QUIET TO SLIGHTLY
UNSETTLED CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 NOV - 03 NOV

CLASS M 55/60/65

CLASS X 20/20/25

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 OCT 93

PREDICTED 01 NOV - 03 NOV 96/99/103

90-DAY MEAN 31 OCT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 OCT 10

ESTIMATED AFR/AP 31 OCT 06/07

PREDICTED AFR/AP 01 NOV - 03 NOV 05/08 - 05/08 - 05/06

SOLTERWARN

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