

KBOU

HFUS 1 BOU 130600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 013A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 13 JANUARY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO
FLARES HAVE BEEN OBSERVED. THE DISK REGIONS ALL APPEAR QUIET. THE
SE LIMB IS THE ONLY ACTIVE AREA AND ONLY SMALL SURGES HAVE BEEN
OBSERVED.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS. THE
SE LIMB REGION SHOULD PRODUCE SOME MINOR FLARES.

II. THE GEOMAGNETIC FIELD IS QUIET AND WILL REMAIN QUIET DURING THE
NEXT 7 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 131300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 013B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 13 JANUARY 1974

IA. CHROMOSPHERIC SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS, WITH NO FLARES REPORTED. CORONAL ACTIVITY CONTINUES AT S09 TO S18 ON THE EAST LIMB, WHERE THE RETURN OF AN OLD ACTIVE REGION (IN ADDITION TO 320, AT S16E67) IS EXPECTED. THIS PORTION OF THE LIMB SHOWS EUV AND X-RAY EMISSION, ALONG WITH ENHANCED CORONAL GREEN LINE EMISSION. SURGING, WITH MATERIAL TRAVELLING BETWEEN LATITUDES CITED ABOVE, WAS PRONOUNCED AT 0502 UT TODAY, AND MAY HAVE BEEN ASSOCIATED WITH THE RF BURST REPORTED BY CULGOORA AND CARNARVON AT 0533. ELSEWHERE, SPOT GROWTH IS REPORTED IN ACTIVE REGION 316 (S10E13), AND PLAGE FLUCTUATIONS ARE APPARENT. ALL OTHER REGIONS ARE QUIET AND DECAYING.

IB. FLARE ACTIVITY SHOULD CONTINUE TO BE VERY LOW DURING THE FORECAST PERIOD. CONTINUED CORONAL ACTIVITY FROM THE SOUTHEAST LIMB IS EXPECTED.

II. THE GEOMAGNETIC FIELD IS QUIET, AND IS EXPECTED TO REMAIN SO UNTIL LATE ON THE 14TH, WHEN A SECTOR BOUNDARY PASSAGE MAY ENHANCE MAGNETIC ACTIVITY SOMEWHAT.

III. EVENT PROBABILITIES 13 JAN - 15 JAN

CLASS M 20/20/25

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 98

PREDICTED 13 JAN - 15 JAN 101/103/105

90-DAY MEAN 12 JAN 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JAN 06

ESTIMATED AFR/AP 12 JAN 03/04

PREDICTED AFR/AP 13 JAN - 15 JAN 07/08 - 11/12 - 13/14

SOLTERWARN

SPAN

BT

HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 013

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 JAN 1974

IA. SOLAR ACTIVITY HAS INCREASED SOMEWHAT OVER THE LAST TWO DAYS BUT REMAINS GENERALLY LOW. NO ENERGETIC ACTIVITY HAS BEEN OBSERVED DURING THE LAST 24 HOURS. REGION 320 (S17E58) PRODUCED 2 SUBFLARES EARLIER TODAY, ACCOMPANIED BY TYPE III DEKAMETRIC RADIO BURSTS AND FOLLOWED BY DARK SURGES EXTENDING SE FROM THE REGION. OCCASIONAL ENHANCEMENTS HAVE BEEN OBSERVED IN REGIONS 314 (N06W59) AND 316 (S11E09) WITH AN IMPORTANCE OF FLARE REPORTED FROM 314. REGION 321 (S13E84) HAS BEEN ENHANCED AND THE SOURCE OF OCCASIONAL SURGES THROUGHOUT THE DAY. AS YET, NO SPOTS HAVE BEEN OBSERVED IN THIS REGION.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE THROUGH THE FORECAST PERIOD WITH A GOOD CHANCE OF A SMALL CLASS M EVENT FROM REGION 320 OR 321.

II. THE GEOMAGNETIC FIELD CONTINUES QUIET. UNSETTLED CONDITIONS ARE EXPECTED EARLY IN THE FORECAST PERIOD. AN EXPECTED RECURRENT DISTURBANCE SHOULD RESULT IN ACTIVE GEOMAGNETIC CONDITIONS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 JAN - 16 JAN

CLASS M 35/40/40

CLASS X 08/10/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JAN 99

PREDICTED 14 JAN - 16 JAN 103/105/106

90-DAY MEAN 13 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 JAN 03

ESTIMATED AFR/AP 13 JAN 03/04

PREDICTED AFR/AP 14 JAN - 16 JAN 11/12 - 13/14 - 20/24

SOLTERWARN

SPAN

BT