

HFUS 1 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 022A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 JANUARY 1974

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 331 (N07W51) HAS SHOWN
SOME CHANGE AND GROWTH AND HAS PRODUCED SEVERAL NON-ENERGETIC
SUBFLARES. THE OTHER REGIONS ARE STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET AND IS EXPECTED TO
REMAIN IN QUIET CONDITION.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 221300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 022B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 22 JANUARY 1974

IA. SOLAR ACTIVITY HAS INCREASED TO A MODERATE LEVEL. REGION 331 (N07W58), WHICH YESTERDAY DEVELOPED AN ISOLATED POLE IN THE TRAILING PORTION, IS NOW GROWING IN BOTH WHITE LIGHT AND H ALPHA. THIS REGION PRODUCED 5 SUBFLARES IN THE LAST 24 HOURS, INCLUDING 2 X-RAY CLASS M1 EVENTS AT 21/2054Z AND 22/0845Z. REGION 333 (N14W45) IS SHOWING RAPID GROWTH AND NOW CONTAINS A STRONG ARCH FILAMENT SYSTEM. THIS REGION PRODUCED A SUBFLARE AT 22/0834Z. OTHER REGIONS APPEAR STABLE.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL WITH A GOOD CHANCE OF ADDITIONAL CLASS M EVENTS FROM REGION 331 AND POSSIBLY FROM REGION 333.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET. THESE QUIET CONDITIONS SHOULD GRADUALLY BECOME UNSETTLED TO NEAR ACTIVE BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 JAN - 24 JAN

CLASS M 50/55/60

CLASS X 05/07/10

PROTON 02/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JAN 82

PREDICTED 22 JAN - 24 JAN 81/80/79

90-DAY MEAN 21 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JAN 12

ESTIMATED AFR/AP 21 JAN 12/13

PREDICTED AFR/AP 22 JAN - 24 JAN 03/04 - 07/08 - 14/16

SOLTERWARN

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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 022

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 JAN 1974.

IA. SOLAR ACTIVITY HAS INCREASED TO A MODERATE LEVEL DURING THE
PAST 24 HOURS. REGION 331 (N06W63) HAS PRODUCED MOST OF THE RECENT
ACTIVITY. THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A CLASS
M1 SUBNORMAL FLARE AT 22/0834Z IN REGION 331. NO SIGNIFICANT
RADIO BURSTS ACCOMPANIED THAT EVENT. REGION 331 ALSO HAS PRODUCED
SEVERAL CLASS C FLARES, INCLUDING AN IMPORTANCE ONE-NORMAL FLARE WITH
MAXIMUM AT 22/1603Z, A ONE-NORMAL FLARE WITH MAXIMUM AT 22/1744Z,
AND A ONE-FAINT FLARE WITH MAXIMUM AT 22/1918Z. REGION 331 HAS
SHOWN CONTINUED GROWTH AND NOW CONTAINS A D-TYPE SPOT GROUP.
REGIONS 332 (N15E43) AND 333 (S16W50) HAVE SHOWN RECENT PLAGE
ENHANCEMENTS AND SLIGHT DEVELOPMENT. OTHER REGIONS HAVE REMAINED
QUIET AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A MODERATE LEVEL DURING
THE NEXT THREE DAYS. REGION 331 PROBABLY WILL PRODUCE
OCCASIONAL SMALL FLARES AND MAY CONTINUE TO DEVELOP. REGIONS 332
AND 333 ALSO MAY PRODUCE SPORADIC MINOR ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 24
HOURS. QUIET TO UNSETTLED CONDITIONS ARE LIKELY DURING THE
THREE-DAY FORECAST PERIOD.

III. EVENT PROBABILITIES 23-25 JAN

CLASS M 60/60/60

CLASS X 05/07/07

PROTON 02/04/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JAN 88

PREDICTED 23-25 JAN 83/80/77

90-DAY MEAN 22 JAN 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JAN 14

ESTIMATED AFR/AP 22 JAN 04/05

PREDICTED AFR/AP 23-25 JAN 07/08 - 12-13 - 12-13

SOLTERWARN

SPAN

BT