

HFUS 3 BOU 220600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 022A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 JANUARY 1978
IA. SOLAR ACTIVITY REMAINS VERY LOW. GROWTH CONTINUES IN REGION
981 (S24W54) AS DOES AN AFS. REGION 985 (N22E62) REMAINS STABLE.
ONLY REGION 981 HAS BEEN FLARE PRODUCTIVE BUT NONE HAVE BEEN REPORTED
THIS PERIOD.
IB. SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW. BOTH 981 AND 985 ARE
LIKELY TO PRODUCE SUB-FLARE, CLASS C X-RAY EVENTS.
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET WITH NO CHANGE EXPECTED.
III. EVENT PROBABILITIES 22 - 24 JAN
CLASS M 10/10/10
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 21 JAN 94
PREDICTED 22 - 24 JAN 98/101/105
90-DAY MEAN 21 JAN 99
V. GEOMAGNETIC A. INDICES
OBSERVED FREDERICKSBURG 20 JAN 03
ESTIMATED AFR/AP 21 JAN 01/03
PREDICTED AFR/AP 22 - 24 JAN 04/05 - 05/05 - 07/08
SOLTERWARN
BT

HFUS 3 BOU 221500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 022B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 22 JANUARY 1978

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO FLARES HAVE BEEN REPORTED
DURING THE PAST 17 HOURS FROM THE TWO REGIONS CURRENTLY VISIBLE ON THE
SOLAR DISK. ONE OF THESE REGIONS, REGION 981 (S23W57), THOUGH
CURRENTLY QUIET, APPEARS TO BE CAPABLE OF PRODUCING OCCASIONAL
C-CLASS SUBFLARES.

IB. SOLAR ACTIVITY SHOULD CONTINUE LOW, IN THE ABSENCE OF FURTHER
SUBSTANTIAL GROWTH IN REGION 981.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET DURING THE PAST 17
HOURS. THE FIELD IS EXPECTED TO CONTINUE QUIET THROUGH THE NEXT
72 HOURS.

III. EVENT PROBABILITIES 22 - 24 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JAN 94

PREDICTED 22 - 24 JAN 98/101/105

90-DAY MEAN 21 JAN 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JAN 03

ESTIMATED AFR/AP 21 JAN 01/03

PREDICTED AFR/AP 22 - 24 JAN 04/05 - 05/05 - 07/08

SOLTERWARN

HFUS 1 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 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS.
ONLY THREE SMALL C-CLASS SUBFLARES HAVE BEEN OBSERVED IN REGION 981
(S23W65). A NEW SMALL REGION 986 (N20E44) FORMED TO THE WEST OF
REGION 985 (N20E53) ALONG A COMMON NEUTRAL LINE. THE SITUATION IS
UNUSUAL IN THAT THESE TWO REGIONS ARE BOTH ORIENTED NORTH-SOUTH ON
THE SAME NEUTRAL LINE WITH LEADERS ON OPPOSITE SIDES OF THE NEUTRAL-
LINE. THUS, THE REGIONS ARE OF OPPOSITE POLARITY. THE ALIGNMENT
DOES NOT PRESENTLY APPEAR THREATENING AND IS ONLY A CURIOSITY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW, ALTHOUGH A SET
OF PREVIOUSLY ACTIVE LONGITUDES IS RETURNING TO THE VISIBLE DISK.
REGION 981 HAS SOME FLARE POTENTIAL BUT DOES NOT APPEAR TO BE MUCH
OF AN X-RAY PRODUCER.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO CONTINUE QUIET TO MILDLY UNSETLED THROUGH
THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 23-25 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JAN 100

PREDICTED 23-25 JAN 103/106/110

90-DAY MEAN 22 JAN 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JAN 01

ESTIMATED AFR/AP 22 JAN 03/04

PREDICTED AFR/AP 23-25 JAN 05/06 - 07/08 - 07/08

SOLTERWARN

BT