

HFUS 3 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 021A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 981 (S27W44) WAS
RESPONSIBLE FOR A SUBFAINT FLARE AT 21/0101Z WITH NO SIGNIFICANT
X-RAY BURST. REGION 985 (N22E80) HAS BEEN REPORTED WITH PENUMBRA ON
BOTH THE LEADER AND TRAILER BUT IS OTHERWISE QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET WITH NO CHANGE EXPECTED.

III. EVENT PROBABILITIES 21-23 JAN

CLASS M 01/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 90

PREDICTED 21-23 JAN 93/96/101

90-DAY MEAN 20 JAN 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JAN 04

ESTIMATED AFR/AP 20 JAN 03/04

PREDICTED AFR/AP 21-23 JAN 05/05 - 05/05 - 05/05

SOLTERWARN

BT

HFUS 3 BOU 211500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 021-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 21 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 981 (S28W46) HAS
DISPLAYED AN ARCH FILAMENT SYSTEM AND PRESENTLY HAS 2 SPOTS. REGION
985 (N23E78) HAS DISPLAYED INT 2-3 PLAGE AND PRESENTLY HAS 2 SPOTS.
THIS REGION (985) PRESENTLY HAS THE MOST POTENTIAL FOR ACTIVITY. AN
ACTIVE PROMINENCE HAS BEEN OBSERVED AT NE25-30.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE TO BE VERY LOW FOR THE
REMAINDER OF THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE QUIET.

III. EVENT PROBABILITIES 21 - 23 JAN

CLASS M 01/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 90

PREDICTED 21 - 23 JAN 93/96/101

90-DAY MEAN 20 JAN 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JAN 04

ESTIMATED AFR/AP 20 JAN 03/04

PREDICTED AFR/AP 21 - 23 JAN 05/05 - 05/05 - 05/05

SOLTERWARN

BT

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 021

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 981 (S25W49) HAS PRODUCED A SUBFLARE AT 1844Z. THE REGION HAS EXPERIENCED CONTINUED GROWTH DURING THE PAST 12 HOURS AND PRESENTLY CONTAINS 21 SPOTS. REGION 981 IS CLASSIFIED AS A D-BETA-GAMMA. THE N/L IS ORIENTED NW-SE WITH 2 KINKS. REGION 985 (N22E67) HAS UNDERGONE SLOW GROWTH AND NOW CONTAINS 6 SPOTS IN A C-BETA CONFIGURATION. ITS PLAGE APPEARS STABLE. A LARGE PROMINENCE IS PRESENTLY VISIBLE AT NE23-28 AND EXTENDS TO .09 R ABOVE THE LIMB. ALL OTHER DISK AND LIMB FEATURES ARE QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY WITH THE CONTINUED ROTATION OF REGION 985 AND OTHER EAST LIMB FEATURES. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE QUIET DURING THE NEXT 24 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

BT