

HFUS 3 BOU 290530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 009A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS WITH NO
SIGNIFICANT ACTIVITY. REGION 988 (S30E49) IS FLUCTUATING AT FLARE
INTENSITY. REGION 990 (S16E42) AND 991 (N20E68) STILL APPEAR TO
HAVE POTENTIAL FOR ENERGETIC EVENTS. THE REMAINDER OF THE DISK IS
STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE WITH REGIONS 986, 988,
990, 991 THE PRIME CONTENDERS TO PRODUCE THIS ACTIVITY. "M" CLASS
X-RAY EVENTS ARE VERY LIKELY TO OCCUR WITH THE POSSIBILITY OF "X"
CLASS EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST EIGHT HOURS. IT
IS EXPECTED TO BECOME MORE UNSETTLED WITH SOME RECURRENT ACTIVITY
EXPECTED BY 31 JANUARY.

III. EVENT PROBABILITIES 29 JANUARY - 31 JANUARY

CLASS M 70/70/70

CLASS X 15/20/20

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JANUARY 133

PREDICTED 29-31 JANUARY 136/137/137

90-DAY MEAN 28 JANUARY 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JANUARY 02

ESTIMATED AFR/AP 28 JANUARY 05/06

PREDICTED AFR/AP 29-31 JANUARY 08/08 - 10/10 - 15/20

SOLTERWARN

BT

HFUS 3 BOU 29/1500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SOF NUMBER 0298

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 29 JANUARY 1978

IA. SOLAR ACTIVITY WAS VERY LOW THE PAST EIGHT HOURS. LIMITED OPTICAL
REPORTS INDICATE MOST REGIONS ARE STABLE. ONE CLASS C-1 X-RAY
EVENT WAS RECORDED AT 29/0943Z BUT THE SOURCED REGION IS UNKNOWN.

IB. SOLAR ACTIVITY WILL REMAIN LOW.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED NEAR 29/1030Z WITH MAJOR
STORM LEVELS BEING OBSERVED. THE FIELD IS EXPECTED TO REMAIN DISTURBED
FOR THE NEXT TWO OR THREE DAYS WITH MINOR TO MAJOR STORM CONDITIONS
DOMINATING.

III. EVENT PROBABILITIES 29 JAN - 31 JAN

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JAN 133

PREDICTED 22-31 JAN 138/139/139

90-DAY MEAN 28 JAN 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JAN 02

ESTIMATED AFR/AP 28 JAN 05/07

PREDICTED AFR/AP 29-31 JAN 40/60 - 40/60 - 30/40

SOLIERWARN

BT

HFUS 1 50U 292215

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 029

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY INFREQUENT SUB FLARES AND
WEAK X-RAY BURSTS OBSERVED. REGION 986 (N19W59) HAS UNDERGONE
SIGNIFICANT CHANGE AND IS AN E TYPE BETA GAMMA SPOT GROUP. REGION
988 (S30E37) REMAINS AN E TYPE BUT MAY HAVE FORMED A BETA-GAMMA
MAGNETIC CONFIGURATION. THE COMPLEX AT REGIONS 991 (N21E56) AND
992 (N15E41) HAS BEEN STABLE.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGIONS 986 AND 988
ARE VERY LIKELY "M" CLASS PRODUCERS.

II. THE GEOMAGNETIC FIELD WAS AT MINOR TO MAJOR STORM LEVELS
29/1030-1800Z AND HAS SINCE DECLINED TO ACTIVE LEVELS. THE FIELD
SHOULD BE AT ACTIVE TO MINOR STORM LEVELS THRU THE PERIOD. REGION
986 IS IN A GOOD LOCATION TO PRODUCE A NEAR EARTH PARTICLE
EVENT AND PCA SHOULD AN ENERGETIC FLARE OCCUR.

III. EVENT PROBABILITIES 30 JANUARY - 01 FEBRUARY

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JANUARY 137

PREDICTED 30 JANUARY - 01 FEBRUARY 140/142/144

90-DAY MEAN 29 JANUARY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JANUARY 06

ESTIMATED AFR/AP 29 JANUARY 32/45

PREDICTED AFR/AP 30 JANUARY - 01 FEBRUARY 35/50 - 25/35 - 20/25

SOLTERWARN

BT