

HEUS 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 UNSETLED 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

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4FUS 3 BOU 29/1500

FROM SPAF ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 2298

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 FRFRERICKSBURG 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 BOU 292215
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 029
JOINT AFGMC/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 PURSTS 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
99-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

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