

HFUS 3 BOU 270530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 058A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 27 FEBRUARY 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST EIGHT HOURS. OPTICAL
OBSERVATIONS WERE VERY SPARSE DUE TO CLOUDS, BUT THE 1-8 ANGSTROM
X-RAY FLUX LEVEL BEGAN INCREASING SLOWLY NEAR 27/0235Z AND REACHED
A C-4 LEVEL AT 27/0420Z AND BEGAN A SLOW DECREASE. OTHERWISE,
SUBFLARE ACTIVITY WAS APPARENTLY VERY LOW.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE
REMAINDER OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS ACTIVE DURING THE PAST EIGHT HOURS.
THE FIELD IS EXPECTED TO BE ACTIVE WITH INTERMITTENT PERIODS OF
MINOR STORM CONDITIONS DURING THE REST OF THE ZULU DAY.

III. EVENT PROBABILITIES 27 FEBRUARY - 01 MARCH

CLASS M 60/60/60

CLASS X 10/15/15

PROTON 10/20/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 FEBRUARY 138

PREDICTED 27 FEBRUARY - 01 MARCH 140/142/144

90-DAY MEAN 26 FEBRUARY 118

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 FEBRUARY 09

ESTIMATED AFR/AP 26 FEBRUARY 22/31

PREDICTED AFR/AP 27 FEBRUARY - 01 MARCH 18/22 - 14/18 - 10/12

SOLTERWARN

BT

HFUS 3 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 058B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 FEBRUARY 1978

IA. SOLAR ACTIVITY WAS LOW. VERY LIMITED OBSERVATIONS, AND X-RAY
DATA INDICATE A STABLE CONDITION. A SUB-BRILLIANT FLARE WAS OBSERVED
IN REGION 1011 (N20W45) AT 27/1227Z WITH A C-2 X-RAY BURST.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS 27/03-06Z AND
12-15Z WITH OTHERWISE ACTIVE CONDITIONS OBSERVED. THE FIELD IS
EXPECTED TO REMAIN GENERALLY ACTIVE.

III. EVENT PROBABILITIES 27 FEBRUARY - 01 MARCH

CLASS M 60/60/60

CLASS X 10/15/15

PROTON 10/20/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 FEBRUARY 138

PREDICTED 27 FEBRUARY - 01 MARCH 140/142/144

90-DAY MEAN 26 FEBRUARY 118

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 FEBRUARY 09

ESTIMATED AFR/AP 26 FEBRUARY 22/31

PREDICTED AFR/AP 27 FEBRUARY - 01 MARCH 28/32 - 14/18 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 058

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 FEBRUARY 1978

IA. SOLAR ACTIVITY REMAINS LOW. SUBFLARES AND MINOR X-RAY BURSTS
CONTINUE. REGION 1011 (N22W46) SEEMS TO HAVE SIMPLIFIED AND LOST A
GOOD MANY SPOTS SINCE YESTERDAY. REGION 1019 (S26 E37) HAS GROWN
OVER THE PAST 24 HOURS AND IS NOW A C-TYPE GROUP. OTHER REGIONS
ARE STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. OLD REGION 997 SHOULD RETURN
OVER THE NE LIMB AND MAY BRING A RISE IN ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS WITH MINOR STORM
CONDITIONS OBSERVED 27/12-16Z. THE FIELD IS EXPECTED TO REMAIN ACTIVE
FOR THE NEXT 12-24 HOURS THEN BECOME GENERALLY UNSETTLED.

III. EVENT PROBABILITIES 28 FEB-02 MAR

CLASS M 40/50/50

CLASS X 05/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 FEB 140

PREDICTED 28 FEB-02 MAR 142/144/145

90-DAY MEAN 27 FEB 119

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 FEB 21

ESTIMATED AFR/AP 27 FEB 28/34

PREDICTED AFR/AP 28 FEB-02 MAR 17/22 - 12/15 - 10/14

SOLTERWARN

DT