

HFUS 3 BOU 010530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 060A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
NO X-RAY EVENTS HAVE BEEN OBSERVED AND THE DISK REGIONS APPEAR
STABLE AND QUIET. AN APR HAS BEEN OBSERVED AT N20 E LIMB. THE WEST
LIMB APPEARS QUIET.

IB. SOLAR ACTIVITY WILL BE LOW DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO MINOR STORM LEVEL
DURING THE LAST EIGHT HOURS AND IS EXPECTED TO CONTINUE THAT WAY
DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 01 MARCH - 03 MARCH

CLASS M 40/50/50

CLASS X 05/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEBRUARY 138

PREDICTED 01-03 MARCH 139/141/141

90-DAY MEAN 28 FEBRUARY 119

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 FEBRUARY 32

ESTIMATED AFR/AP 28 FEBRUARY 28/36

PREDICTED AFR/AP 01-03 MARCH 32/38 - 18/22 - 10/12

SOLTERWARN

BT

HFUS 3 BOU 011500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 060-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 01 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SO FAR THIS ZULU DAY. THE DISK
REGIONS ARE RELATIVELY STABLE WITH REGIONS 1011 (N20W69) AND 1015
(N38W36) FLUCTUATING IN INTENSITY. REGION 1024 (N20E83) (OLD
REGION 997) HAS A SINGLE H-TYPE SPOT SO FAR. PLAGE EXTENDS TO THE
LIMB, WITH PLAGE FLUCTUATIONS TO NEAR FLARE INTENSITY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE. THESE CONDITIONS
ARE EXPECTED TO CONTINUE FOR THE NEXT 24 - 36 HOURS.

III. EVENT PROBABILITIES 01-03 MAY

CLASS M 40/50/50

CLASS X 05/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEB 138

PREDICTED 01-03 MAY 139/141/141

90-DAY MEAN 28 FEB 119

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 FEB 32

ESTIMATED AFR/AP 28 FEB 28/36

PREDICTED AFR/AP 01-03 MAY 28/35 - 18/22 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 012200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 060

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THE LARGEST EVENT WAS A
SHORT-LIVED C3 X-RAY BURST AT 1819Z. OTHER RESPONSES IN X-RAY
HAVE BEEN MINOR ABOUT THE C-LEVEL THRESHOLD. REGION 1011 (N19W78)
CONTINUES A SLOW DECAY. OCCASIONAL BRIGHTENINGS IN REGION 1015
(N38W39) HAVE REACHED NEAR FLARE INTENSITY. REGIONS 1024 (N20E70)
AND 1025 (N17E75) CORRESPOND IN LONGITUDE TO THE RETURN OF OLD
REGIONS 997 AND 999. THE ASSOCIATED PLAGE IS THE BRIGHTEST OF ALL
THE REGIONS IN BOTH H-ALPHA AND CALCIUM. THERE CURRENTLY ARE 10
REGIONS ON THE DISK WITH SUNSPOT STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. THERE IS A CHANCE FOR
CLASS M ACTIVITY FROM REGIONS 1015, 1024 AND 1025.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT MIDLATITUDES WITH
STORM CONDITIONS GENERALLY OCCURRING AT HIGH LATITUDES. GENERALLY
ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 18-36 HOURS, WITH
THE FIELD THEN BECOMING MODERATELY UNSETTLED FOR THE BALANCE OF
THE PERIOD.

III. EVENT PROBABILITIES 02 - 04 MARCH

CLASS M 25/30/40

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAR 139

PREDICTED 02 - 04 MAR 141/142/143

90-DAY MEAN 01 MAR 120

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 FEB 32

ESTIMATED AFR/AP 01 MAR 19/26

PREDICTED AFR/AP 02 - 04 MAR 18/22 - 12/14 - 12/13

SOLTERWARN

BT