

HFUS 3 BOU 060530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 065A

ISSUED 0600Z 06 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL THE PAST 24 HOURS. X-RAY BACKGROUND CONTINUES AT A C-1 LEVEL. SMALL EVENTS ARE OCCURRING AT A RATE OF ONE EVERY 2-3 HOURS, HOWEVER, OPTICAL REPORTS ARE LIMITED. REGION 1028 (N17E56) HAS HAD FREQUENT MINOR PLAGE FLUCTUATIONS. THE AREA NEAR 1024 (N20E 14), 1025 (N15E 17) AND 1027 (N28E26) LOOKS COMPLEX BUT APPEARS STABLE.

IB. THE GENERAL LOW LEVEL OF SOLAR ACTIVITY SHOULD CONTINUE WITH FREQUENT CLASS C EVENTS FROM MAINLY REGION 1028 AND THE 1024/1025 / 1027 AREA. M EVENTS ARE POSSIBLE, BUT WILL PROBABLY BE INFREQUENT, AT A RATE OF 1 EVERY TWO DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS. GENERALLY QUIET CONDITIONS ARE EXPECTED TO CONTINUE THRU MUCH OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 MARCH - 08 MARCH

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MARCH 157

PREDICTED 06-08 MARCH 158/159/157

90-DAY MEAN 05 MARCH 122

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MARCH 02

ESTIMATED AFR/AP 05 MARCH 08/15

PREDICTED AFR/AP 06-08 MARCH 12/15 - 10/10 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 061500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 065B

JOINT USAF/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 06 MARCH 1978

IA. SOLAR ACTIVITY WAS MODERATE DURING THE LAST NINE HOURS. A SLOW-RISE, LONG-LIVED M-2 X-RAY EVENT BEGAN AT 06/1131Z, MAXED AT 1213Z AND ENDED AT 1252Z. THERE WAS NO OPTICAL INFORMATION ON THIS EVENT, AND THE X-RAY FLUX BACKGROUND AT 1500Z WAS AT A C-6 LEVEL. OPTICAL REPORTS HAVE BEEN VERY LIMITED.

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

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE FROM 06/1100Z TO 06/1300Z AND QUIET TO SLIGHTLY UNSETTLED AT OTHER TIMES DURING THE PAST NINE HOURS. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED DURING THE REST OF THE ZULU DAY.

III. EVENT PROBABILITIES 06 MARCH - 08 MARCH

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/05

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MARCH 157

PREDICTED 06-08 MARCH 158/159/157

90-DAY MEAN 05 MARCH 122

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MARCH 02

ESTIMATED AFR/AP 05 MARCH 08/15

PREDICTED AFR/AP 06-08 MARCH 12/15 - 10/10 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 062200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 065
JOINT USAF/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 6 MARCH 1978

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS.
THE LONG-LIVED M-2 X-RAY EVENT WHICH MAXED NEAR 06/1213Z WAS
ASSOCIATED WITH AN IMPORTANCE 2N FLARE (REPORTED BY MCMATH)
FROM REGION 1024 (N21E07). RADIO ACTIVITY WITH THIS EVENT
INCLUDED A TYPE II SWEEP AND A 120 F.U. BURST AT 2695 MHZ.
SWF'S WERE ALSO REPORTED. REGION 1024 IS A BETA GAMMA MAGNETICALLY
AND DISPLAYS POINT BRIGHTENINGS. REGIONS 1025 (N13E05), 1020
(N17W59), AND 1014 PRODUCED A FEW SUBLFARES, BUT WERE GENERALLY
STABLE. OCCASIONAL SURGE ACTIVITY WAS OBSERVED NEAR NE 10-20.
OPTICAL OBSERVATIONS WERE AGAIN HAMPERED BY CLOUDS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE
NEXT 24 HOURS. REGION 1024 IS EXPECTED TO CONTINUE DEVELOPING AND
MAY PRODUCE OCCASIONAL M-CLASS EVENTS.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST
24 HOURS EXCEPT FOR BRIEF ACTIVE CONDITIONS BETWEEN 06/1100Z AND
06/1300Z. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED TO PREVAIL
DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 07-09 MAR
CLASS M 50/60/65
CLASS X 05/10/15
PROTON 05/10/15
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 06 MAR 165
PREDICTED 07-09 MAR 165/165/164
90-DAY MEAN 06 MAR 123

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 05 MAR 04
ESTIMATED AFR/AP 06 MAR 06/09
PREDICTED AFR/AP 07-09 MAR 09/10 - 08/09 - 08/09
SOLTERWARN
BT