

MEUS 3 BOU 190530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 078A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 19 MARCH 1978

I. SOLAR ACTIVITY REMAINS LOW WITH ONLY LOW LEVEL CLASS C X-RAY
EVENTS OCCURRING. THE SEVEN NUMBERED REGIONS WITH SPOTS REMAIN
SIMPLE IN STRUCTURE. CULGOORA REPORTS A REGION ROTATING ON TO THE
DISK NEAR NE2C.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE SO FAR THIS ZULU DAY.
UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 18 HOURS.
III. EVENT PROBABILITIES 19 MARCH - 21 MARCH

CLASS M 25/20/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MARCH 134

PREDICTED 19-21 MARCH 131/129/131

90-DAY MEAN 18 MARCH 130

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 MARCH 22

ESTIMATED AFR/AP 18 MARCH 15/23

PREDICTED AFR/AP 19-21 MARCH 10/10 - 08/08 - 08/08

SOLIERWARN

BT

HFUS 3 BOU 191500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 078-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 19 MAR 1978

IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY MINOR BRIGHTENINGS BEING REPORTED BY THE OBSERVATORIES. X-RAY BACKGROUND LEVELS HAVE BEEN LESS THAN C LEVEL EXCEPT FOR A GRADUAL RISE-FALL EVENT WHICH REACHED C-1 AT 1136Z. AN APR CONTINUES NEAR NE15 WHERE A SPOT GROUP MAY BE RETURNING.

IB. THE LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE THRU THE FORECAST PERIOD. MINOR EVENTS SHOULD CONTINUE TO OCCUR IN REGION 1035 (N19E15).

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETLED TO ACTIVE THE PAST 12 HOURS. THESE CONDITIONS ARE EXPECTED TO CONTINUE TODAY DECREASING TO GENERALLY UNSETLED BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 - 21 MAR

CLASS M 25/20/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MARCH 134

PREDICTED 19-21 MARCH 131/129/131

90-DAY MEAN 18 MARCH 130

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 MARCH 22

ESTIMATED AFR/AP 18 MARCH 15/23

PREDICTED AFR/AP 19-21 MARCH 10/10 - 08/08 - 08/08

SOLTERWARN

BT

HFUS 1 BOUL 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 078

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 19 MAR 1978

I A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL WITH MOST SOLAR INDICES, 10-CM FLUX, X-RAY LEVELS, SUNSPOT NUMBER AND FREQUENCY OF FLARES DECLINING. NO NEW REGIONS HAVE BEEN REPORTED AND THE SIX SUNSPOT REGIONS NOW VISIBLE ARE STABLE OR DECLINING. REGION 1035 (N 19E 08) THO SMALL REMAINS THE MOST COMPLEX DISK REGION AS A BETA-GAMMA.

I B. THE LOW LEVEL OF SOLAR ACTIVITY SHOULD CONTINUE THRU THE FORECAST PERIOD WITH INFREQUENT C CLASS - SUBFLARE ACTIVITY EXPECTED. MORE ENERGETIC EVENTS WOULD HAVE TO WAIT FOR REJUVENATION OF THE VISIBLE SUNSPOT GROUPS OR FROM RETURNING REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AT MID-LATITUDES AND ACTIVE AT HIGH LATITUDES THE PAST 24 HOURS. THIS ACTIVITY IS EXPECTED TO GRADUALLY DECREASE TO GENERALLY UNSETLED BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 - 22 MAR

CLASS M 20/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 MAR 131

PREDICTED 20 - 22 MAR 129/127/125

90-DAY MEAN 19 MAR 130

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 MAR 17

ESTIMATED AFR/AP 19 MAR 12/23

PREDICTED AFR/AP 20 - 22 MAR 08/12 - 08/08 - 05/08

SOLTERWARN

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