

HFUS 3 BOU 050530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 095A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 05 APRIL 1978

IA. SOLAR ACTIVITY IS AT A LOW LEVEL. OBSERVATIONS HAVE BEEN
HAMPERED BY WEATHER AND MAINTENANCE BUT X-RAY TRACES WOULD SUGGEST
THAT THE SUN IS RELATIVELY QUIET.

IB. SOLAR ACTIVITY WILL BE AT A LOW LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE WITH PERIODS OF
MINOR STORM CONDITIONS. NO SIGNIFICANT CHANGE IS EXPECTED DURING
THIS FORECAST PERIOD. (SEE PART V).

III. EVENT PROBABILITIES 05 APRIL - 07 APRIL

CLASS M 30/35/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 APRIL 146

PREDICTED 05-07 APRIL 150/153/155

90-DAY MEAN 04 APRIL 132

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 APRIL 24

ESTIMATED AFR/AP 04 APRIL 20/55

PREDICTED AFR/AP 05-07 APRIL 20/25 A 12/20 - 10/12

SOLIERWARN

BT

HFUS 3 BOU 051500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 095B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 05 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL WITH ONLY MINOR C
LEVEL EVENTS BEING OBSERVED. MOST OF THE ACTIVITY AND INTEREST
IS ON REGION 1057 (N2IE21). THIS REGION IS SLOWLY DEVELOPING
AND MAY BECOME MORE COMPLEX. NEW REGION 1064 IS ROTATING
ONTO THE DISK NEAR S25E80. SOME DEVELOPMENT AND ACTIVITY HAS
BEEN REPORTED NEAR REGIONS 1052 (N24E30) AND 1059 (N23W16).

IB. THE LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE
HOWEVER, THE CONFIGURATION OF REGION 1057 MAY RESULT IN MORE
ENERGETIC ACTIVITY. ADDITIONAL REGIONS MAY BE ROTATING OVER
THE NE LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS AT
HIGH LATITUDES THE PAST 12 HOURS. CONDITIONS ARE EXPECTED TO
BE GENERALLY UNSETLED WITH BRIEF ACTIVE PERIODS THRU THIS
ZULU DAY.

III. EVENT PROBABILITIES 05 APRIL - 07 APRIL

CLASS M 30/35/40

CLASS X 01/01/01

PROTON 01/01/01

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 APRIL 146

PREDICTED 05-07 APRIL 150/153/155

90-DAY MEAN 04 APRIL 132

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 03 APRIL 24

ESTIMATED AFR/AP 04 APRIL 20/55

PREDICTED AFR/AP 05-07 APRIL 20/25 A 12/20 - 10/12

SOLTERWARN

BT

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 095

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 APRIL 1978

IA. ALTHO THERE HAS BEEN AN INCREASE IN THE NUMBER OF SPOTTED REGIONS AND THE FREQUENCY OF C-CLASS FLARES, SOLAR ACTIVITY REMAINED AT A LOW LEVEL. THE MOST IMPRESSIVE AREA IS REGION 1057 (N21E17) WHICH CONTINUES TO DEVELOP AND NOW HAS A WEAK DELTA IN THE TRAILER. FILAMENTS ASSOCIATED WITH 1057 HAVE BEEN ACTIVE. LITTLE ACTIVITY HAS BEEN REPORTED IN OTHER REGIONS. REGION 1065 (N18E68) CONTAINS A SMALL SPOT AND PLAGUE.

IB. THE LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE THRU THE FORECAST PERIOD. CLASS M EVENTS ARE POSSIBLE FROM REGION 1057 AND ADDITIONAL GROWTH AND OR INCREASE IN COMPLEXITY WILL LEAD TO MORE ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS, OVER THE PAST 24 HOURS, RANGED FROM MINOR STORM TO QUIET LEVELS. CONDITIONS ARE AGAIN EXPECTED TO BECOME UNSETLED IN THE EVENING SECTORS AND THERE SHOULD BE A GRADUAL DECREASE TO QUIET LEVELS AT THE END OF THE PERIOD.

III. EVENT PROBABILITIES 06-08 APRIL

CLASS M 35/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 APR 148

PREDICTED 06-08 APR 150/152/150

90-DAY MEAN 05 APR 133

V. GEOMAGNETIC A INDICES

OBSERVE FREDERICKSBURG 04 APR 27

ESTIMATED AFR/AP 05 APR 19/40

PREDICTED AFR/AP 06-08 APR 12/18 - 10/15 - 07/08

SOLTERWARN

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