

MFUS 3 BOU 060600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF 096A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 06 APRIL 1978

IA. SOLAR ACTIVITY REMAINS LOW. ONLY ONE SMALL C-CLASS SUBFLARE HAS BEEN REPORTED DURING THE PAST 8 HOURS AND THAT WAS IN REGION 1057 (N21E13). SEVERAL OBSERVATORIES HAVE REPORTED INCREASING NEUTRAL LINE COMPLEXITY IN THIS REGION. MEASUREMENTS AT BOULDER INDICATE THE EXISTENCE OF A WEAK DELTA IN THE TRAILER OF REGION 1057. ALL OTHER REGIONS ARE CURRENTLY QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. HOWEVER, REGION 1057 MUST BE REGARDED WITH CAUTION AS IT WOULD SEEM CAPABLE OF PRODUCING AN M-CLASS FLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR MOST OF THE PAST 8 HOURS, BUT BECAME ACTIVE AGAIN ABOUT 06/0400Z. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 06 APRIL-08 APRIL 1978

CLASS M 35/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 APRIL 148

PREDICTED 06-08 APRIL 150/152/150

90-DAY MEAN 05 APRIL 133

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 APRIL 27

ESTIMATED AFR/AP 05 APRIL 16/32

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

SOLTERWARN

BT

HFUS 3 BOU 061500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 096-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 06 APR 1978

IA. SOLAR ACTIVITY REMAINED AT LOW LEVEL DURING THE PAST TEN HOURS
WITH ONLY C-CLASS X-RAY FLARES. REGION 1057 (N21E08) PRODUCED MOST
OF THE SUBFLARE ACTIVITY. OTHER REGIONS WERE GENERALLY STABLE.

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

II. THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED DURING THE PAST
TEN HOURS. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE
REST OF ZULU DAY.

III. EVENT PROBABILITIES 06 - 08 APR 78

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

OBSERVED FREDERICKSBURG 04 APR 27

ESTIMATED AFR/AP 05 APR 16/32

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

SOLTERWARN

BT

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 096

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 APR 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS WITH ONLY C-CLASS X-RAY FLARES OCCURRING. REGION 1057 (N21E05) HAS A WEAK DELTA MAGNETIC CONFIGURATION AND PRODUCED A SMALL IB FLARE WHICH BEGAN NEAR 06/1858Z AND MAXED AT 1902Z. BRIGHT EJECTA ACCOMPANIED THIS FLARE. REGION 1062 (S26E31) HAS GROWN SLIGHTLY AND PRODUCED SEVERAL SUBFLARES, INCLUDING ONE WHICH WAS ACCOMPANIED BY A DISAPPEARING FILAMENT. SEVERAL NEW A-TYPE SPOT GROUPS WERE OBSERVED BUT ARE UNIMPRESSIVE AS IS THE REMAINDER OF THE DISK.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE DURING THE NEXT 24 HOURS. REGION 1057 IS EXPECTED TO CONTINUE PRODUCING C-CLASS X-RAY ACTIVITY WITH INCREASING POTENTIAL FOR M-CLASS EVENTS.

II. THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED DURING THE PAST 24 HOURS. GENERALLY SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 07 - 09 APR

CLASS M 40/45/50

CLASS X 01/01/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 APR 149

PREDICTED 07 - 09 APR 150/150/150

90-DAY MEAN 06 APR 133

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 APR 19

ESTIMATED AFR/AP 06 APR 08/13

PREDICTED AFR/AP 07 - 09 APR 10/10 - 07/08 - 07/08

SOLTERWARN

BT