

HFUS 3 BOU 070600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 097A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 7 APRIL 1978

IA. SOLAR ACTIVITY REMAINS LOW. NEW REGION 1069 (S30E70) HAS ROTATED  
ONTO THE DISK WITH AN H TYPE SPOT. NO OTHER SIGNIFICANT CHANGES  
HAVE BEEN NOTED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGION 1057 (N21E03)  
CONTINUES TO BE CAPABLE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. GENERALLY SLIGHTLY UNSETLED  
CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 07 APR-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 08/12

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

SOLIERWARN

BT

HFUS 3 BOU 071500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 097-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 07 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1057 (N21W06) PRODUCED  
TWO FLARES. THE FIRST WAS A SUB-FAINT AT 07/0530Z WITH A C-2  
X-RAY BURST AND MINOR RADIO BURST. THE SECOND WAS A SUB-BRIGHT AT  
1145Z THE X-RAY WAS C-5 AND MINOR RADIO WAS ALSO OBSERVED. OTHER  
REGIONS ARE UNIMPRESSIVE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD IS QUIET AND NO CHANGE IS EXPECTED

III. EVENT PROBABILITIES 07 APR-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 08/12

PREDICTED AFR/AP 07-09 APR 04/05 - 07/08 - 07/08

SOLTERWARN

BT

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 097

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 07 APR 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. REGION 1057 (N2IW08) HAS BEEN THE SOURCE OF TODAY'S ENERGETIC ACTIVITY. MOST SIGNIFICANT WAS A SERIES OF EVENTS WHICH BEGAN NEAR 07/1830Z WHEN SEVERAL SMALL RADIO BURSTS AND X-RAY BURST WERE OBSERVED. LIMITED OPTICAL REPORTS INDICATED SUB-FLARE ACTIVITY. THE SERIES ENDED WITH A ONE-B FLARE WITH AN M-1 X-RAY BURST AT 2017Z. THIS EVENT WAS ACCCOMPANIED BY A STRONG RADIO BURST WITH 71000 SFU'S AT 245 MHZ, 190 SFU'S AT 2695 MHZ AND 260 SFU'S AT 15400 MHZ. ALL OTHER REGIONS ARE QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE. REGION 1057 IS THE ONLY LIKELY SOURCE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD SHOULD REMAIN QUIET UNTIL LATE ON THE SECOND DAY WHEN A FLARE INDUCED SHORT LIVED GEOMAGNETIC DISTURBANCE IS EXPECTED TO BEGIN. THE DISTURBANCE SHOULD LAST SIX TO TEN HOURS ENDING EARLY ON THE THIRD DAY

III. EVENT PROBABILITIES 08 - 10 APR

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 APR 147

PREDICTED 08 - 10 APR 146/145/142

90-DAY MEAN 07 APR 133

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 APR 08

ESTIMATED AFR/AP 07 APR 04/05

PREDICTED AFR/AP 08 - 10 APR 07/08 - 10/10 - 12/12

SOLTERWARN

BT