

HFUS 3 BOU 220500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 295A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 22 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST SEVEN HOURS. REGION 918 (S25W11) PRODUCED A C-1 X-RAY EVENT AT 21/2144Z AND ASSOCIATED SUBNORMAL OPTICAL FLARE. THREE OTHER C CLASS X-RAY EVENTS OCCURRED AT 22/0054Z, 0212Z, 0242Z.

IB. SOLAR ACTIVITY IS EXPECTED TO BE PREDOMINANTLY VERY LOW WITH THE POSSIBILITY OF MODERATE ACTIVITY COMING FROM REGION 918 IN THE NEXT 8 HOURS.

II. GEOMAGNETIC ACTIVITY HAS BEEN UNSETLED THE PAST SEVEN HOURS AND IS EXPECTED TO CONTINUE AT THIS LEVEL.

III. EVENT PROBABILITIES 22-24 OCT

CLASS M	05/05/05
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	21 OCT 102
PREDICTED	22-24 OCT 102/102/100
90-DAY MEAN	21 OCT 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	20 OCT 07
ESTIMATED AFR/AP	21 OCT 06/05
PREDICTED AFR/AP	22-24 OCT 08/08 - 12/10 - 08/10

SOLTERWARN

BT

HFUS 3 BOU 221500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 295-B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 22 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 17 HOURS.  
SIX C-1 EVENTS HAVE OCCURRED. ADDITIONALLY, A SN/C5 FLARE AT  
22/0413Z IN REGION 917 (N22W80) AND A M-1 X-RAY FLARE AT 22/0854Z  
OCCURRED. THIS EVENT PRODUCED IMPORTANCE 3 SWF THROUGH 12 MHZ.  
WEATHER HAS HAMPERED OPTICAL OBSERVATIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.  
II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THIS ZULU DAY. GENERALLY  
ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS WITH THE FIELD  
THEN BECOMING UNSETTLED.

III. EVENT PROBABILITIES 22-24 OCT.

CLASS M	25/15/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	21 OCT 102
PREDICTED	22-24 OCT 100/100/98
90-DAY MEAN	21 OCT 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	20 OCT 07
ESTIMATED AFR/AP	21 OCT 06/05
PREDICTED AFR/AP	22-24 OCT 18/20 - 12/14 - 08/10
SOLTERWARN	

BT

HFUS 1 BOU 222200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 295  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE. SEVEN C-1, A C-4, SN/C5  
C2/0413Z, AND M1 (22/0845Z) HAVE OCCURRED. WEATHER HAS HAMPERED  
OBSERVATIONS BUT APPARENTLY REGION 917 (N20W87) HAS PRODUCED MOST  
OF THESE EVENTS. REGION 918 (S25W20) HAS SIMPLIFIED DURING THE  
PAST 24 HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE FOR THE NEXT 24  
HOURS AND THEN BECOME VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE GEOMAGNETIC FIELD  
IS EXPECTED TO BE UNSETTLED, WITH SHORT PERIODS ACTIVE, FOR THE NEXT  
24-36 HOURS, AND THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES 23 - 25 OCT

CLASS M 15/10/05  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 22 OCT 095  
PREDICTED 23 - 25 OCT 094/093/093  
90-DAY MEAN 22 OCT 93

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 21 OCT 06  
ESTIMATED AFR/AP 22 OCT 17/27  
PREDICTED AFR/AP 23 - 25 OCT 12/15 - 09/15 - 06/10  
SOLTERWARN  
BT