

HXUS BOU 130500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 286A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 13 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. THE DISK  
REGIONS HAVE BEEN QUIET AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL BUT THE DISK  
REGIONS 503 (N09W14) AND 505 (N11W25) ARE BOTH CAPABLE OF PRODUCING  
MAJOR ACTIVITY.

II. THE GEOMAGNETIC DISTURBANCE WHICH WAS MENTIONED IN SDF 285  
REACHED STORM INTENSITY AT 13/0230Z. THE DISTURBANCE IS EXPECTED TO  
CONTINUE DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS BOU 131430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 286B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 13 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS WITH ALL  
THE ACTIVITY IN REGIONS 503 (N09W19) AND 505 (N11W30). AN M2,  
08 FLARE OCCURRED AT 0508Z IN REGION 503. AN M3, 1N FLARE OCCURRED  
IN REGION 505 AT 0926Z. OTHERWISE ACTIVITY HAS BEEN LESS THAN M.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LEAST MODERATE THIS  
PERIOD. REGIONS 503 AND 505 ARE STILL CAPABLE OF MAJOR FLARE  
ACTIVITY.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED TO NEAR MAJOR STORM  
LEVEL AT ABOUT 0230Z. IT IS EXPECTED TO REMAIN AT THIS LEVEL THE  
NEXT 48 HOURS AND THEN DECREASE TO ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 13 - 15 OCT

CLASS M 90/90/90

CLASS X 50/50/45

PROTON 30/35/35

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 OCT 145

PREDICTED 13 - 15 OCT 140/133/128

90-DAY MEAN 12 OCT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 OCT 07

ESTIMATED AFR/ AP 12 OCT 15/17

PREDICTED AFR/AP 13 - 15 OCT 35/50 - 30/45 - 24/30

SOLTERWARN

BT

HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 286

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 OCTOBER 1974

IA. SOLAR ACTIVITY REMAINS AT A MODERATE LEVEL, BUT FLARE PRODUCTION HAS DECREASED. THE OTTAWA 10-CM FLUX HAS DROPPED SIGNIFICANTLY AND THE TYPE IV DEKAMETRIC CONTINUUM HAS STOPPED. THUS THERE ARE SOME INDICATIONS THAT REGIONS 503 (N10W26) AND 505 (N12W36) MAY HAVE STABILIZED. THEY STILL REMAIN COMPLEX REGIONS, HOWEVER. THERE WAS AN M4 (0B) EVENT IN REGION 503 AT 130508Z AND AN M3 (1N) EVENT IN REGION 505 AT 130926Z. OTHERWISE, ACTIVITY HAS BEEN BELOW M-LEVEL.

IB. SOLAR ACTIVITY SHOULD BE MODERATE THE NEXT 72 HOURS AS REGIONS 503 AND 505 RETAIN THEIR POTENTIAL FOR ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVEL SINCE 0230Z. IT IS EXPECTED TO BE AT ACTIVE LEVELS THE NEXT 24 HOURS AND UNSETTLED TO ACTIVE THE FOLLOWING 48 HOURS.

III. EVENT PROBABILITIES 14 OCT - 16 OCT

CLASS M 90/80/75

CLASS X 50/45/40

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 127

PREDICTED 14 OCT - 16 OCT 122/120/115

90-DAY MEAN 13 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 OCT 19

ESTIMATED AFR/AP 13 OCT 50/75

PREDICTED AFR/AP 14 OCT - 16 OCT 18/20 - 13/15 - 25/30

SOLTERWARN

BT