

HFUS 1 BOU 140500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 287A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 14 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. VERY LITTLE  
ACTIVITY HAS BEEN OBSERVED. THE DISK REGIONS APPEAR STABLE. THE LIMBS  
ARE QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. REGIONS 503  
(N10W29) AND 505 (N12W39) ARE BOTH CAPABLE OF MAJOR FLARE ACTIVITY.

II. THE MAJOR MAGNETIC STORM HAS DECLINED AND IS NOW A MINOR STORM.  
THE DISTURBANCE IS EXPECTED TO CONTINUE DURING THE NEXT 48 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS BOU 141430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 287B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 14 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 16 HOURS. THE ONLY  
SIGNIFICANT ACTIVITY REPORTED WAS A LARGE SUBNORMAL FLARE AT  
13/2258Z IN THE NORTHERN PORTION OF REGION 503 (N10 W35). THIS  
FLARE WAS A C6 X-RAY EVENT, AS MEASURED BY THE GOES SATELLITE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A MODERATE TO LOW  
LEVEL. BOTH REGIONS 503 AND 505 (N12W45) APPEAR TO BE DECLINING.

THESE REGIONS STILL POSSESS ENERGETIC FLARE POTENTIAL. IN FACT,  
ITS NOT UNCOMMON FOR DECLINING REGIONS TO PRODUCE EVENTS IN  
ENERGY RANGES EQUIVALENT TO ENERGY LEVELS REACHED DURING GROWTH  
STAGE ACTIVITY. THUS, IT IS LIKELY ONE OR MORE M-CLASS X-RAY  
EVENTS WILL BE PRODUCED IN THIS COMPLEX BEFORE WEST LIMB TRANSIT.

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY UNSETTLED OVERNIGHT.  
THE FIELD WILL BE GENERALLY QUIET THROUGH THE DAY TODAY, BECOMING  
ACTIVE AGAIN ON 15 OCTOBER AND REMAINING ACTIVE THROUGH THE FORECAST  
PERIOD.

III. EVENT PROBABILITIES 14 OCT - 16 OCT

CLASS M 90/80/75

CLASS X 50/45/40

PROTON 30/30/30

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 127

PREDICTED 14 - 16 OCT 115/112/108

90-DAY MEAN 13 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 OCT 19

ESTIMATED AFR/AP 13 OCT 51/75

PREDICTED AFR/AP 14 - 16 OCT 08/16 - 18/20 - 25/30

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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 287

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 14 OCTOBER 1974

IA. SOLAR ACTIVITY HAS BEEN FAIRLY LOW DURING THE PAST 24 HOURS.  
ONLY THREE FLARES HAVE BEEN REPORTED DURING THAT PERIOD. A LARGE  
SUBNORMAL (C7 X-RAY FLARE) WAS SEEN IN REGION 503 (N10W38) AT  
13/2258Z. A SMALL SUBFAINT (C1 X-RAY FLARE) AND A LARGE ONE NORMAL  
(M1 X-RAY FLARE) WERE NOTED TODAY IN REGION 505 (N12W49) AT  
0553Z AND 1629Z, RESPECTIVELY. OTHERWISE THE SUN HAS BEEN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY QUIET WITH THE  
POSSIBILITY OF AN OCCASIONAL MODERATELY ENERGETIC FLARE FROM THE  
REGION 503/505 COMPLEX. THESE REGIONS ARE CURRENTLY RATHER STABLE  
AND, WHILE MAINTAINING ENERGETIC FLARE POTENTIAL, THEY ARE NOT EX-  
PECTED TO PRODUCE MAJOR EVENTS UNLESS THEY BEGIN A RAPID DISINTE-  
GRATION.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED THROUGH MOST OF THE PAST 24  
HOURS. THE FIELD BECAME ACTIVE ABOUT 14/1700Z AND IS CONTINUING  
ACTIVE. THE FIELD IS EXPECTED TO REMAIN ACTIVE THROUGH THE FORE-  
CAST PERIOD.

III. EVENT PROBABILITIES 15 OCT - 17 OCT

CLASS M 90/85/80

CLASS X 50/45/40

PROTON 30/30/30

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 OCT 117

PREDICTED 15 OCT - 17 OCT 112/104/98

90-DAY MEAN 14 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 OCT 51

ESTIMATED AFR/AP 14 OCT 17/20

PREDICTED AFR/AP 15 OCT - 17 OCT 18/21 - 25/33 - 22/28

SOLTERWARN

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