

HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 325A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 21 NOV 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. THREE SUBFLARES HAVE BEEN REPORTED FROM REGION 527 (N01E28) THIS ZULU DAY, BUT THE REGION DOES NOT POSSESS ENERGETIC POTENTIAL.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD CONTINUES ACTIVE. ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 211500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 325B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 21 NOV 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 8  
HOURS, AND NO ENERGETIC ACTIVITY HAS BEEN REPORTED. REGION  
524 (N13W02) HAS CONTINUED TO DECAY SLOWLY IN THE TRAILING SECTION.

REGION 527 (N01E23) NOW CONTAINS A SMALL C OR D TYPE SPOT GROUP  
ACCOMPANIED BY PLAGE CONTAINING TWO SMALL ARCH FILAMENT SYSTEMS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. THERE IS  
A SLIGHT CHANCE OF SPORADIC FLARE ACTIVITY IN REGIONS 524 AND 527.

II. THE GEOMAGNETIC FIELD WAS DISTURBED SIGNIFICANTLY DURING THE  
INTERVAL 21/0740-1000Z. THIS DISTURBANCE WAS CHARACTERIZED BY  
A NEGATIVE BAY, RESULTING IN TWO K-INDICES OF 5 AT BOULDER  
FOR THE TIME PERIODS 21/0600-0900Z AND 0900-1200Z. UNSETTLED  
GEOMAGNETIC CONDITIONS WERE OBSERVED AFTER 1000Z. GENERALLY  
ACTIVE CONDITIONS ARE EXPECTED TO OCCUR DURING THE NEXT 3 DAYS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS BOU 212220

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER. CO

SDF NUMBER 325

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 NOV 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS,  
AND NO ENERGETIC FLARES HAVE BEEN REPORTED. REGION 524 (N13W05)  
HAS CONTINUED TO DECAY SLOWLY. REGION 527 (N01E19) CONTAINS AN  
ARCH-FILAMENT SYSTEM EMBEDDED IN A SIMPLE BIPOLAR PLAGE. THIS RE-  
GION HAS SHOWN RECENT SLOW DEVELOPMENT AND HAS PRODUCED SEVERAL  
NON-ENERGETIC FLARES. REGION 528 (N06E46) CONTAINS AN ACTIVE FILA-  
MENT RUNNING THROUGH RELATIVELY DULL PLAGE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE NEXT  
THREE DAYS. REGIONS 524 AND 527 ARE EXPECTED TO PRODUCE SPORADIC  
NON-ENERGETIC EVENTS. REGION 528 IS EXPECTED TO EXHIBIT FILAMENT  
ACTIVITY, PERHAPS LEADING TO THE DISAPPEARANCE OF THE MAIN FILA-  
MENT THROUGH THE REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE DURING THE PAST  
24 HOURS. A GEOMAGNETIC BAY OBSERVED AT BOULDER DURING THE INTERVAL  
21/0740-1000Z RESULTED IN TWO K-INDICES OF 5, BUT TRUE STORM CONDI-  
TIONS WERE NOT OBSERVED. GENERALLY ACTIVE GEOMAGNETIC CONDITIONS ARE  
LIKELY DURING THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 22 - 24 NOV

CLASS M 10/10/10

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 NOV 99

PREDICTED 22-24 NOV 102/100/99

90-DAY MEAN 21 NOV 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 NOV 16

ESTIMATED AFR/AP 21 NOV 17/20

PREDICTED AFR/AP 22-24 NOV 20/25 - 20/25 - 20/25

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