

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 RE-
PORTED 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
SOLTERWARN
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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 ACCCOMPANIED 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

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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 REGION HAS SHOWN RECENT SLOW DEVELOPMENT AND HAS PRODUCED SEVERAL NON-ENERGETIC FLARES. REGION 528 (N06E46) CONTAINS AN ACTIVE FILAMENT 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 FILAMENT 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 CONDITIONS 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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