

HFUS 1 BOU 170600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 321A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 17 NOVEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. ONE NON-ENERGETIC SUBFLARE WAS OBSERVED IN REGION 524 (N14E60). SMALL SPOT OBSERVED INDEPENDENTLY BY FOUR OBSERVATORIES BETWEEN 0800 AND 1400 U.T. ON NOVEMBER 16, 1974 AT APPROXIMATELY N37W70. THE HIGH LATITUDE OF THE SPOT IMPLIES MEMBERSHIP IN NEW CYCLE 21. ON NOVEMBER 15, 1974 KITT PEAK OBSERVATORY REPORTED REVERSED POLARITY FOR ASSOCIATED PLAGE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 8 HOURS AND IS EXPECTED TO REMAIN UNSETLED DURING THE NEXT 8 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS BOU 171445  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 217B 3216  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 17 NOV 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. REGION 524 (N14E55) CONTAINS AN E TYPE SPOT GROUP AND IS GROWING SLOWLY IN BOTH WHITE LIGHT AND H ALPHA. THIS REGION PRODUCED A SUBFLARE AT 17/0222Z, AND ITS PLAGE CONTINUES TO SHOW POINT BRIGHTENINGS TO NEAR FLARE INTENSITY. SPOTS ARE NO LONGER VISIBLE IN THE NEW CYCLE REGION 526, ALTHOUGH PLAGE IS STILL VISIBLE AT N37W86 AND SOME MINOR SURGING HAS BEEN OBSERVED AS THE REGION APPROACHES THE LIMB. THIS REGION PRODUCED A ØN, X-RAY CLASS C2 FLARE AT 16/2250Z.

IB. SINCE REGION 524 DOES NOT APPEAR TO HAVE ANY SIGNIFICANT MAGNETIC COMPLEXITY, THE PROBABILITY OF AN ENERGETIC EVENT REMAINS RELATIVELY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE DURING THE LAST 24 HOURS. THE DISTURBANCE SHOULD SUBSIDE SLOWLY, BUT GENERALLY ACTIVE CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 - 19 NOV

CLASS M 10/10/10

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 NOV 84

PREDICTED 17 NOV - 19 NOV 87/89/90

90-DAY MEAN 16 NOV 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 NOV 08

ESTIMATED AFR/AP 16 NOV 17/18

PREDICTED AFR/AP 17 NOV - 19 NOV 18/21 - 15/18 - 11/15

SOLTERWARN

BT

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 321

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 NOV 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. A SMALL SPOT (REGION 524) WAS OBSERVED INDEPENDENTLY BY FOUR OBSERVATORIES BETWEEN 0800 AND 1400 U.T. ON NOV 16, 1974 AT APPROXIMATELY N37W70. THE HIGH LATITUDE OF THE SPOT IMPLIES MEMBERSHIP IN NEW CYCLE 21. ON NOV 15, KITT PEAK OBSERVATORY REPORTED REVERSED POLARITY FOR ASSOCIATED PLAGE. THIS WAS CONFIRMED BY MT WILSON ON 16 NOV. THIS REGION PRODUCED A  $\theta$ N, X-RAY CLASS C2 FLARE AT 2250Z, 16 NOV. SMALL SURGES WERE REPORTED AT NW37 AS THE REGION ROTATED OVER THE LIMB.

REGION 524 (N14E51) CONTAINS AN E TYPE SPOT GROUP BUT HAS A SIMPLE BETA MAGNETIC CONFIGURATION. THIS REGION PRODUCED A SMALL SUBFLARE AT 170222Z, BUT HAS BEEN RELATIVELY QUIET SINCE THEN.

IB. THERE IS ONLY A SMALL CHANCE OF A CLASS M EVENT DURING THE NEXT 3 DAYS FROM REGION 524. OLD REGION 520 IS DUE TO RETURN AT SE11 ON 19 NOV. THIS REGION PRODUCED AN X CLASS FLARE ON 05 NOV BEFORE ROTATING OVER THE LIMB THE NEXT DAY. IF THIS REGION HAS REMAINED ACTIVE, SOME INCREASE IN SOLAR ACTIVITY CAN BE EXPECTED BY THE END OF THE PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE LAST 24 HOURS AND SHOULD REMAIN UNSETLED FOR THE NEXT 2 DAYS, BECOMING ACTIVE ON 20 NOV.

III. EVENT PROBABILITIES 18 NOV - 20 NOV

CLASS M 10/12/15

CLASS X 03/03/04

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 NOV 87

PREDICTED 18 NOV - 20 NOV 89/90/92

90-DAY MEAN 17 NOV 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 NOV 17

ESTIMATED AFR/AP 17 NOV 09/13

PREDICTED AFR/AP 18 - 20 NOV 10/11 - 10/11 - 20/24

SOLTERWARN

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