

HFUS 1 BOU 180600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 322A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 18 NOVEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
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. A FEW NON ENERGETIC SUBFLARES CAN BE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 8
HOURS AND IS EXPECTED TO REMAIN UNSETTLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE
SOLTERWARN

BT

HFUS BOU 181430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 322B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 18 NOV 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. A SMALL SPOT (REGION 526) 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. THE PLAGE ROTATED OVER THE NW LIMB ON 17 NOV. REGION 524 (N14E42) REMAINS A RELATIVELY SIMPLE E TYPE SPOT GROUP. THIS REGION HAS PRODUCED THREE SUBFLARES DURING THE LAST 24 HOURS AND CONTINUES TO SHOW OCCASIONAL PLAGE BRIGHTENINGS. MINOR SURGING HAS BEEN OBSERVED OVERNIGHT AT NE13, AND AT 18/1230Z, ATHENS REPORTED A LIMB FLARE AT NE11. THE X-RAY LEVEL INCREASED AT THIS TIME, BUT REMAINED BELOW CLASS C1 LEVELS. THERE ARE NO OLD REGIONS DUE TO RETURN AT THIS LATITUDE.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW THROUGH MOST OF THE PERIOD WITH ONLY A SMALL CHANCE OF A CLASS M EVENT FROM REGION 524. OLD REGION 520 IS DUE TO RETURN ON 19 NOV AT SE11. THIS REGION PRODUCED AN X EVENT ON 05 NOV, AND IF THIS REGION HAS REMAINED ACTIVE, SOME INCREASE IN ACTIVITY CAN BE EXPECTED DURING THE LATTER PORTION OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST 24 HOURS AND SHOULD CONTINUE UNSETTLED TIL 20 NOV WHEN ACTIVE CONDITIONS SHOULD RETURN.

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 - 20 NOV 91/94/97

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

BT

HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 322

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 NOV 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. A SMALL SPOT (REGION 526) 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. THE PLAGE ROTATED OVER THE NW LIMB ON 17 NOV. REGION 524 (N14E35) REMAINS A RELATIVELY SIMPLE E TYPE SPOT GROUP WITH A SIMPLE BETA MAGNETIC CONFIGURATION. THIS REGION HAS PRODUCED 3 SMALL SUBFLARES DURING THE LAST 24 HOURS. SEVERAL BRIGHT SURGES AND A SMALL LIMB FLARE HAVE BEEN OBSERVED AT NE11 EARLIER TODAY. NO SPOTS ARE YET VISIBLE, BUT SOME PLAGE CAN BE SEEN ON THE LIMB. THE 1-8 ANGSTROM X-RAY LEVEL HAS BEEN SOMEWHAT ENHANCED TODAY BUT HAS REMAINED BELOW CLASS C LEVELS.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW WITH ONLY A SMALL CHANCE OF AN ENERGETIC EVENT FROM REGION 524 OR FROM REGIONS ROTATING OVER THE EAST LIMB. OLD REGION 520, WHICH PRODUCED AN X CLASS EVENT ON 05 NOV, IS DUE TO RETURN AT SE11 ON 19 NOV, BUT AS YET THERE IS NO SIGN OF ACTIVITY ON THE SE LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED DURING THE LAST 24 HOURS. LITTLE CHANGE IS EXPECTED UNTIL 20 NOV WHEN ACTIVE CONDITIONS ARE EXPECTED TO RETURN.

III. EVENT PROBABILITIES 19 - 21 NOV

CLASS M 15/15/15

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOV 91

PREDICTED 19 - 21 NOV 94/97/99

90-DAY MEAN 18 NOV 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 NOV 09

ESTIMATED AFR/AP 18 NOV 06/08

PREDICTED AFR/AP 19 - 21 NOV 07/08 - 20/24 - 20/24

SOLTERWARN

BT