

HFUS 1 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 135A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 15 MAY 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO FLARES HAVE BEEN REPORTED
IN THE LAST 32 HOURS.

IB. ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORE-
CAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BECOME GRADUALLY ACTIVE AT MIDDLE
LATITUDES, WHILE SUBSTORM CONDITIONS HAVE BEEN REPORTED AT HIGH
LATITUDES. MINOR MAGSTORM CONDITIONS ARE EXPECTED AT MIDDLE
LATITUDES LATER THIS ZULU DAY.

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 151400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 135B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 15 MAY 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES REPORTED NOW
FOR ALMOST 2 DAYS. REGION 399(S12W86) IS BEGINNING A QUIET LIMB
PASSAGE. REGION 404(N05W24) HAS SHOWN MODERATE DEVELOPMENT IN BOTH
WHITE LIGHT AND H-ALPHA.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 399 WILL
PROVIDE ONLY MINOR SURGING AS IT CROSSES WEST LIMB. REGION 404 IS
LIKELY TO BEGIN PRODUCING C-CLASS SUBFLARES SOON, BUT IS PRESENTLY
QUIET. THE EASTERN HALF OF THE DISK IS DEVOID OF ACTIVE REGIONS.

II. THE GEOMAGNETIC FIELD WAS GENERALLY QUIET UNTIL 15/0000Z WHEN
THE GRADUAL ONSET OF ACTIVE CONDITIONS WAS EXPERIENCED. ACTIVITY
IS APPROACHING MINOR MAGSTORM LEVELS AT THE TIME OF THIS FORECAST.

III. EVENT PROBABILITIES 15 MAY - 17 MAY

CLASS M 05/03/01

CLASS X 01/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 86

PREDICTED 15 -17 MAY 84/79/73

90-DAY MEAN 14 MAY 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MAY 03

ESTIMATED AFR/AP 14 MAY 08/09

PREDICTED AFR/AP 15 - 17 MAY 31/44 - 28/39 - 26/35

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HFU BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

MSDF NUMBER 135

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 MAY 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO FLARES HAVE BEEN REPORTED
FOR MORE THAN 2 DAYS NOW. REGION 399 (S12W88) HAS BEEN PRODUCING
MINOR SURGES DURING ITS WEST LIMB TRANSIT. REGION 404 (N06W28)
EXHIBITED MODERATE GROWTH DURING THE PAST DAY, BUT APPEARS TO
HAVE STABILIZED NOW.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. THERE IS LITTLE
LIKELIHOOD OF AN ENERGETIC EVENT DURING THE FORECAST PERIOD.
SOME SMALL C-CLASS SUBFLARES CAN BE EXPECTED FROM REGION 404.
THE REMAINDER OF THE DISK SHOULD REMAIN QUIET.

II. THE GEOMAGNETIC FIELD BECAME MILDLY ACTIVE ABOUT 24 HOURS
AGO WITH THE ARRIVAL OF PERSISTENT INTERPLANETARY MAGNETIC
STRUCTURE. THE FIELD IS PRESENTLY UNSETTLED BUT SHOULD BE EXPECTED
TO BE GENERALLY ACTIVE THROUGH THE FORECAST PERIOD. OCCASIONAL
SUBSTORMS PRODUCING MID-LATITUDE K-VALUES OF 5 OR GREATER
SHOULD BE EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 16 - 18 MAY 1974

CLASS M 03/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAY 83

PREDICTED 16-18 MAY 79/75/73

90-DAY MEAN 15 MAY 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAY 11

ESTIMATED AFR/AP 15 MAY 21/26

PREDICTED AFR/AP 16 - 18 MAY 28/39 - 26/35 - 22/28

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