

NNNN

KBOU

HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 150A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 30 MAY 1974

IA. SOLAR ACTIVITY CONTINUES LOW. SURGES CONTINUE ON THE SOUTH-EAST LIMB.

IB. ACTIVITY IS EXPECTED TO BE LOW TO MODERATE AS THE PLAGE COMPLEX ON THE SOUTHEAST LIMB ROTATES FULLY ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 8 HOURS. ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS DUE TO A RECURRENT DISTURBANCE.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

NOTE: THE BOULDER OBSERVATORY WILL BE CLOSED FOR APPROXIMATELY TWO WEEKS DUE TO BUILDING MAINTENANCE.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 301400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 150B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 30 MAY 1974

IA. SOLAR ACTIVITY IS LOW. HOWEVER, ALMOST CONTINUOUS SURGING
HAS BEEN NOTED NEAR SE15 WHERE A NEW COMPLEX IS APPARENTLY COMING
INTO VIEW. AT 30/0730Z A LARGE ERUPTIVE PROMINENCE (EXTENDING TO
0.5 RADII) OCCURRED AT THIS LOCATION. AT LEAST ONE LARGE SUNSPOT
IS NOW VISIBLE IN THE VICINITY OF THE SURGE CENTER.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. THE COMPLEX
ROTATING INTO VIEW OVER THE EAST LIMB APPEARS TO BE DYNAMIC AND
POSSESSES ENERGETIC FLARE POTENTIAL. FURTHER ASSESSMENT OF THE
COMPLEX IS DIFFICULT AT THIS TIME DUE TO LIMB PROXIMITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 12 HOURS.
THE FIELD IS EXPECTED TO BE UNSETTLED TO MILDLY ACTIVE DURING THE
FORECAST PERIOD AS RECURRENT MAGNETIC STRUCTURE RETURNS.

III. EVENT PROBABILITIES 30 MAY - 1 JUN

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 MAY 87

PREDICTED 30 MAY - 01 JUN 89/91/91

90-DAY MEAN 29 MAY 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 MAY 10

ESTIMATED AFR/AP 29 MAY 08/09

PREDICTED AFR/AP 30 MAY - 01 JUN 15/17 - 15/17 - 15/17

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 150

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS WITH A FEW SMALL SUBFLARES AND A CONSIDERABLE AMOUNT OF LIMB ACTIVITY, ALL ASSOCIATED WITH REGION 416(S14E77) NOW MOVING ONTO THE VISIBLE DISK. VELA SATELLITE HAS SEEN 6 X-RAY EVENTS, 4 OF WHICH HAVE REACHED M-CLASS LEVELS. SMALL SUDDEN PHASE ANOMALIES AND SHORT WAVE FADES HAVE BEEN NOTED THROUGHOUT THE DAY ALONG WITH OCCASIONAL TYPE III RADIO SWEEP FREQUENCY EVENTS AND SIMPLE CENTIMETER WAVE LENGTH RADIO BURSTS. OSO-7 LONG X-RAY READINGS ARE VERY HIGH JUST INSIDE THE SOUTHEAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE, BUT INCREASING THROUGH THE FORECAST PERIOD. REGION 416, DESPITE ITS ALREADY DYNAMIC CHARACTERISTICS, APPEARS TO BE GROWING SLOWLY AND MAY WELL DEVELOP INTO A MAJOR PRODUCTIVE ACTIVE REGION. OTHER DISK FEATURES ARE EXPECTED TO CONTINUE QUIET.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE SINCE 30/0330Z. THE FIELD IS EXPECTED TO BE ACTIVE EARLY IN THE PERIOD, TRENDING TOWARD UNSETTLED CONDITIONS AT THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 MAY - 02 JUNE 1974

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAY 89

PREDICTED 31 MAY- 02 JUN 91/93/94

90-DAY MEAN 30 MAY 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MAY 06

ESTIMATED AFR/AP 30 MAY 15/17

PREDICTED AFR/AP 31 MAY-02 JUN 15/21 - 15/21 - 13/15

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 150

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS WITH A FEW SMALL SUBFLARES AND A CONSIDERABLE AMOUNT OF LIMB ACTIVITY, ALL ASSOCIATED WITH REGION 416(S14E77) NOW MOVING ONTO THE VISIBLE DISK. VELA SATELLITE HAS SEEN 6 X-RAY EVENTS, 4 OF WHICH HAVE REACHED M-CLASS LEVELS. SMALL SUDDEN PHASE ANOMALIES AND SHORT WAVE FADES HAVE BEEN NOTED THROUGHOUT THE DAY ALONG WITH OCCASIONAL TYPE III RADIO SWEEP FREQUENCY EVENTS AND SIMPLE CENTIMETER WAVE LENGTH RADIO BURSTS. OSO-7 LONG X-RAY READINGS ARE VERY HIGH JUST INSIDE THE SOUTHEAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE, BUT INCREASING THROUGH THE FORECAST PERIOD. REGION 416, DESPITE ITS ALREADY DYNAMIC CHARACTERISTICS, APPEARS TO BE GROWING SLOWLY AND MAY WELL DEVELOP INTO A MAJOR PRODUCTIVE ACTIVE REGION. OTHER DISK FEATURES ARE EXPECTED TO CONTINUE QUIET.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE SINCE 30/0330Z. THE FIELD IS EXPECTED TO BE ACTIVE EARLY IN THE PERIOD, TRENDING TOWARD UNSETTLED CONDITIONS AT THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 MAY - 02 JUNE 1974

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAY 89

PREDICTED 31 MAY- 02 JUN 91/93/94

90-DAY MEAN 30 MAY 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MAY 06

ESTIMATED AFR/AP 30 MAY 15/17

PREDICTED AFR/AP 31 MAY-02 JUN 15/21 - 15/21 - 13/15

SOLTERWARN

SPAN

BT