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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.
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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 RADIIS) 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

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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

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