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HFUS 1 BOU 311400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 151B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 31 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN AT A LOW TO MODERATELY LOW LEVEL. THE
MOST SIGNIFICANT ACTIVITY WAS A CLASS M1 XRAY EVENT AT 311010 U.T.
NO OPTICAL REPORTS COINCIDED WITH THIS EVENT. FREQUENT LIME ACTIVITY
CONTINUES IN THE SOUTHEAST.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT ITS PRESENT LEVEL.
II. THE GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE AND LITTLE CHANGE
IS EXPECTED.

III. EVENT PROBABILITIES 31 MAY - 02 JUN 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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KBOU

HFUS BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 151

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 31 MAY 1974

IA. CLOUDS HAVE SEVERELY HAMPERED PATROL AT MOST OBSERVATORIES DURING THE PAST 8 HOURS BUT AN OCCASIONAL X-RAY, RADIO OR IONOSPHERIC EFFECT WOULD SUGGEST THAT SOME DYNAMIC BEHAVIOR IS OCCURRING. REGION 416 (S14E65) WAS GLIMPSED BRIEFLY BY ONE OBSERVATORY WHO REPORTED AN INTENSITY 2-3 H-ALPHA PLAGE WITH BRIGHT POINTS AROUND THE TRAILER SPOTS. MAGNETOGRAMS INDICATE THAT THE TRAILING PORTIONS OF REGION 416 IS ALSO AN AREA OF CONSIDERABLE COMPLEXITY.

A SMALL NEW REGION IS EMERGING NEAR S17E47. THIS REGION WAS DESCRIBED AS BEING AT INTENSITY 2-3 IN H-ALPHA BRIGHTNESS WITH SPOTS BEGINNING TO FORM.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW TO MODERATELY LOW LEVEL DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE AND IS EXPECTED TO APPROACH MINOR STORM CONDITIONS IN NIGHTTIME SECTORS DURING THE NEXT 24 HOURS. A GENERAL DECLINE IN THE INTENSITY OF THE DISTURBANCE IS EXPECTED ON 2 AND 3 JUNE.

III. EVENT PROBABILITIES 01 - 03 JUNE

CLASS M 60/70/70

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAY 93

PREDICTED 01 - 03 JUNE 96/97/98

90-DAY MEAN 31 MAY 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MAY 19

ESTIMATED AFR/AP 31 MAY 20/24

PREDICTED AFR/AP 01 - 03 JUNE 21/26 - 13/14 - 10/11

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