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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 LIMB ACTIVITY  
CONTINUES IN THE SOUTHEAST.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT ITS PRESENT LEVEL.

II. THE GEOMAGNETIC FIELD IS UNSETLED 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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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 IONO-  
SPHERIC 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 UNSETLED 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 DIS-  
TURBANCE 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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