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HFUS 1 BOU 120600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

NUMBER 163A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 12 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH NO FLARES REPORTED DURING THE LAST 8 HOURS, ALTHOUGH WEATHER AT THE SOLAR OBSERVATORIES PREVENTED CONTINUOUS OBSERVATIONS. REGION 426 (N05E25) PRODUCED NUMEROUS, APPARENTLY NON-ENERGETIC SUBFLARES EARLIER ON 11 JUN, BUT HAS BEEN QUIET DURING THE LAST 8 HOURS. THIS REGION CONTAINS AN APPARENT ISOLATED POLE OF TRAILER POLARITY JUST EAST OF THE LEADER SPOTS AND APPEARS TO BE INCREASING IN MAGNETIC COMPLEXITY. AN APR OBSERVED AT SE 13 AS WELL AS AN ENHANCEMENT ON THE OSO 7 LONG X RAY MAP MAY INDICATE SOME ACTIVITY IN RETURNING REGION 413 (S15) WHICH IS DUE TO RETURN LATE TODAY.

IB. SOLAR ACTIVITY MAY INCREASE SLOWLY DURING THE FORECAST PERIOD WITH ENERGETIC FLARES POSSIBLE FROM REGION 426.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH MINOR STORM CONDITIONS SINCE 12/00Z. MINOR STORM CONDITIONS SHOULD SUBSIDE SLIGHTLY WITHIN 24 HOURS TO ACTIVE DAYTIME CONDITIONS WITH MINOR STORM CONDITIONS CONTINUING DURING LOCAL NIGHT HOURS.

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 121400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 163B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 12 JUNE 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. PENUMBRAL GROWTH AND FILAMENT ACTIVITY HAVE BEEN OBSERVED IN REGION 426(N05E21), AS THE REGION HAS BEEN DYNAMIC. HOWEVER NO FLARES HAVE BEEN OBSERVED THERE TODAY. THE REMAINDER OF THE DISK AND THE LIMBS HAVE BEEN MOSTLY UNIMPRESSIVE.

IB. ENERGETIC ACTIVITY IS POSSIBLE IN REGION 426, ESPECIALLY IF THE REGION REMAINS DYNAMIC.

II. ACTIVE TO MINOR STORM LEVELS HAVE BEEN APPARENT IN THE GEOMAGNETIC FIELD. THE DISTURBANCE SHOULD CONTINUE THROUGHOUT THE FORECAST PERIOD, BEING MOST SEVERE DURING LOCAL NIGHTTIME.

III. EVENT PROBABILITIES 12 JUNE - 14 JUNE

CLASS M 35/45/55

CLASS X 01/02/02

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUNE 94

PREDICTED 12 JUNE - 14 JUNE 90/86/82

90-DAY MEAN 11 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JUNE 15

ESTIMATED AFR/AP 11 JUNE 19/27

PREDICTED AFR/AP 12 JUNE - 14 JUNE 28/39 - 20/28 - 20/28

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HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 163

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 12 JUNE 1974

IA. SOLAR ACTIVITY REMAINS LOW. FREQUENT SMALL SURGES AT S10-15 WEST LIMB (REGION 427) AND AT S10-15 EAST LIMB (REGION 428) HAVE BEEN ACCCOMPANIED BY OCCASIONAL TYPE III RADIO BURSTS. REGION 426 (N05E13) HAS BEEN QUIET BUT THE SPOT AND PLAGE EVOLUTION INDICATES INCREASING FLARE POTENTIAL. MAGNETIC GRADIENTS HAVE INCREASED NEAR AN ISOLATED POLE IN REGION INTERIOR. AN IMBEDDED FILAMENT IS DEVELOPING IN THE FOLLOWER PORTION.

IB. AN INCREASE IN MINOR FLARES IS EXPECTED AS FILAMENT AND HIGH GRADIENTS CONTINUE TO BUILD IN REGION 426. NO SIGNIFICANT ACTIVITY IS EXPECTED FROM THE REMAINING REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED AND WILL CONTINUE DISTURBED THROUGHOUT THIS FORECAST PERIOD. A GRADUAL DECREASE IN DISTURBANCE WILL BEGIN BY THE THIRD DAY.

III. EVENT PROBABILITIES 13 - 15 JUNE

CLASS M 45/55/65

CLASS X 01/02/05

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUNE 89

PREDICTED 13 - 15 JUNE 83/78/74

90-DAY MEAN 12 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JUNE 23

ESTIMATED AFR/AP 12 JUNE 21/31

PREDICTED AFR/AP 13 - 15 JUNE 20/29 - 20/29 - 18/26

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