

HFUS 1 BOU 240600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 175A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 24 JUNE 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 428 (S13W65) HAS CONTINUED ITS PATTERN OF DECAY, AND ONLY SLIGHT FILAMENT ACTIVITY HAS BEEN REPORTED. OCCASIONAL FLUCTUATIONS HAVE BEEN OBSERVED IN THE PLAGE OF REGION 429 (N10W05). PROMINENCE ACTIVITY HAS CONTINUED ON THE EAST LIMB NEAR S10.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 428 MAY PRODUCE INFREQUENT MINOR ACTIVITY AS DECAY CONTINUES THERE.

II. THE GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET DURING THE PAST EIGHT HOURS. QUIET TO UNSETTLED CONDITIONS ARE LIKELY UNTIL 26 JUNE, WHEN A RECURRENT DISTURBANCE PROBABLY WILL BEGIN.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 241400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 175B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 24 JUNE 1974

IA. NO FLARES HAVE BEEN REPORTED IN THE PAST 24 HOURS. HOWEVER MINOR PROMINENCE AND SURGE ACTIVITY HAS BEEN OBSERVED ON THE SE LIMB. THIS IS PROBABLY ASSOCIATED WITH THE RETURN OF OLD AR 416 AND 427. A NEW REGION (AR430) HAS EMERGED NEAR S12E23.

IB. NO SIGNIFICANT FLARE ACTIVITY IS EXPECTED. THERE SHOULD BE MINOR PROMINENCE ACTIVITY ON SE LIMB (OLD AR RETURN) AND POTENTIALLY SIGNIFICANT PROMINENCE ACTIVITY AS AR 428 NEARS SW LIMB.

II. SLIGHTLY DISTURBED GEOMAGNETIC CONDITIONS EXPECTED TO CONTINUE WITH MINOR RECURRENT DISTURBANCE ANTICIPATED BY THE 26TH.

III. EVENT PROBABILITIES 24 JUNE - 26 JUNE

CLASS M	20/15/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	23 JUNE 77
PREDICTED	24 JUNE - 26 JUNE 78/80/83
90-DAY MEAN	23 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	22 JUNE 08
ESTIMATED AFR/AP	23 JUNE 08/10
PREDICTED AFR/AP	24 JUNE - 26 JUNE 10/13 - 14/18 - 18/22

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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 175

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 JUNE 1974

1A. FLARE ACTIVITY HAS BEEN SPARSE DURING THE PAST 24 HOURS. SPOTLESS REGION 428 (S13W74) GENERATED AN OPTICAL CLASS ONE-NORMAL FLARE WHICH REACHED MAXIMUM AT 1515Z. RELATED EFFECTS ASSOCIATED WITH THIS FLARE WERE MINOR. REGION 429 (N10W16) WAS RESPONSIBLE FOR ONE SMALL SUBFLARE, BUT THE REGION REMAINS SIMPLE. NEAR 2020Z, THE GOES SATELLITE RECORDED AN X-RAY ENHANCEMENT WHICH REACHED APPROXIMATELY A C-5 LEVEL. THERE WAS NO ASSOCIATED OPTICAL ACTIVITY REPORTED. A NEW REGION 430 (S11E16) WAS BORN ON THE DISK TODAY. IT IS CURRENTLY A SIMPLE "B" TYPE GROUP. PROMINENCE AND SURGE ACTIVITY CONTINUE ON THE SOUTHEAST LIMB. THE WEST LIMB HAS BEEN DULL.

1B. LIMB ACTIVITY SHOULD BE FREQUENT FOR THE NEXT 3 DAYS. REGION 428 IS NOW APPROACHING WEST LIMB, AND THE EMBEDDED FILAMENT REMAINS ACTIVE. THE SOUTHEAST LIMB IS ENHANCED IN LONG X-RAYS FROM OSO-7. THIS MAY INDICATE THE IMMINENT RETURN OF OLD PREVIOUSLY ACTIVE CARRINGTON LONGITUDES.

II. THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED LEVELS TODAY. THESE CONDITIONS WILL PERSIST FOR THE NEXT 24 HOURS, AND THEN YIELD TO ACTIVE LEVELS THEREAFTER, AS A RECURRENT DISTURBANCE IS DUE ON 26 JUNE.

III. EVENT PROBABILITIES 25-27 JUNE

CLASS M 15/10/10

CLASS X 02/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUNE 77

PREDICTED 25-27 JUNE 79/81/83

90-DAY MEAN 24 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JUNE 07

ESTIMATED AFR/AP 24 JUNE 11/14

PREDICTED AFR/AP 25-27 JUNE 12/15 - 18/22 - 21/25

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