

NNNN

KBOU V

HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 25 JUNE 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT HOURS,  
AND NO FLARES HAVE BEEN REPORTED. MINOR FILAMENT ACTIVITY HAS BEEN  
OBSERVED IN BOTH REGIONS 428 (S13W78) AND 429 (N10W20). CONTINUED  
ACTIVITY ALSO HAS BEEN OBSERVED IN A LARGE PROMINENCE AT S10-15E90.  
REGION 430 (S11E12) HAS REMAINED STABLE AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL.  
REGION 428 IS EXPECTED TO CONTINUE ITS PATTERN OF FILAMENT ACTIVITY  
AND RELATED INFREQUENT MINOR FLARES. THE X-RAY EVENT THAT OCCURRED  
AT 24/2020Z (SEE SDF 175 FOR DETAILS) SUGGESTS THAT AN ACTIVE REGION  
MAY LIE BEHIND THE EAST LIMB. IT SHOULD BE NOTED THAT OLD REGION  
416, WHICH PRODUCED A CLASS X-1 FLARE DURING ITS PREVIOUS DISK  
PASSAGE, IS DUE TO RETURN TO THE EAST LIMB AT S14 IN ROUGHLY 24  
HOURS. THE PROMINENCE ACTIVITY REPORTED IN PART IA ABOVE MAY BE  
RELATED TO RETURNING REGION 416.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST EIGHT HOURS.  
QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR ABOUT 24 HOURS,  
AFTER WHICH A RECURRENT DISTURBANCE IS EXPECTED TO BEGIN.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 251400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 25 JUNE 1974

IA. SOLAR ACTIVITY REMAINS VERY LOW. A SINGLE SUBFLARE WAS REPORTED  
IN REGION 428 (S13W82). ACTIVE PROMINENCES AND SMALL SURGES MARK  
THE SOUTHEAST LIMB WHERE A RETURNING ACTIVE REGION IS EXPECTED. TINY  
SUNSPOTS ARE OBSERVED ONLY IN REGION 429 (N10W24).

IB. SOME INCREASE IN SUBFLARES MAY OCCUR IF ACTIVE REGIONS RETURN  
NEAR SE LIMB. SURGES AND SMALL FLARES SHOULD MARK THE WEST LIMB  
PASSAGE OF REGION 428.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETTLED CON-  
DITIONS ARE EXPECTED FOR THE NEXT 24 HOURS, AFTER WHICH A RECURRENT  
DISTURBANCE IS EXPECTED TO BEGIN.

III. EVENT PROBABILITIES 25 JUNE - 27 JUNE

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUNE 77

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

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 25 JUNE 1974

IA. ONE SN FLARE AT 0620Z IN AR428 AND MINOR PROMINENCE ACTIVITY  
ON SE AND SW LIMBS CONSTITUTE THE LEVEL OF SOLAR ACTIVITY REPORTED  
IN THE PAST 12 HOURS.

IB. CONTINUED LIMB ACTIVITY EXPECTED WITH INCREASING MINOR  
FLARE ACTIVITY AS RETURNING REGION AT S14E90 ROTATES ONTO  
DISK.

II. GEOMAGNETIC FIELD HAS BEEN QUIET, HOWEVER RECURRING MINOR  
GEOMAGNETIC STORM SHOULD BRING DISTURBED CONDITIONS FOR THE NEXT  
THREE DAYS.

III. EVENT PROBABILITIES 26 - 28 JUNE 74

CLASS M 15/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUNE 76

PREDICTED 26 - 27 JUNE 78/82/84

90-DAY MEAN 25 JUNE 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JUNE 10

ESTIMATED AFR/AP 25 JUNE 06/08

PREDICTED AFR/AP 26 - 28 JUNE 10/13 - 18/22 - 20/24

SOLTERWARN

SPAN

RT