

NNNNU0407

NNNNBM

KMSC

HAUS BOU 210410Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 664A ISSUED 0400Z 21 JUNE 1970

THE NEXT 13 HOURS SHOULD BE CHARACTERIZED BY INFREQUENT CLASS C  
FLARES AND ONE, PERHAPS TWO, SMALL M EVENTS.

A. OF THE DOZEN SPOT GROUPS CURRENTLY VISIBLE, THE DECLINING BIPOLAR  
FEATURE NEAR N19W55 CONTINUES TO BE THE MOST STRUCTURALLY DETAILED  
IN BOTH WHITE AND MONOCHROMATIC LIGHT. NO FLARE ACTIVITY, HOWEVER,  
HAS BEEN OBSERVED THERE SINCE THE LAST MESSAGE 11 HOURS AGO. THE  
BRIGHTEST HYDROGEN PLAGE ON THE DISK LIES JUST INSIDE THE EAST LIMB  
ABOUT N21. AN A OR B-TYPE SPOT IS ASSOCIATED WITH IT. THIS REGION  
SHARES ATTENTION WITH THE SMALL BETA GROUP APPROXIMATELY 10 DEGREES  
FURTHER SOUTH ALONG THE NE LIMB - THE SITE OF YESTERDAY'S ENERGETIC  
FLARES. THE STORM-LIKE FLUCTUATIONS IN THE GEOMAGNETIC FIELD OBSERVED  
BEFORE NOON YESTERDAY HAVE TERMINATED. LOCAL 3-HOUR RANGE INDICES  
ARE NOT EXCEEDING K EQUAL 3. THE NEUTRON MONITOR AT DEEP RIVER  
APPEARS TO BE MAKING ITS SECOND RECOVERY IN THE LAST 24 HOURS FROM  
A LOW OF ROUGHLY 6.5 PERCENT.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 21 JUNE/0400Z ENDING 24 JUNE/0400Z

CLASS M OR GREATER 85/85/85

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 20/1700Z AND 20/2000Z WERE 158 AND 155  
RESPECTIVELY.

SOLIERWARN

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NNNNUU1659

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KMSC

HAUS BOU 211700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 664B ISSUED 1700Z 21 JUNE 1970

INFREQUENT CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. THE ONE CLASS M EVENT DURING THE PAST 13 HOURS WAS ASSOCIATED WITH AN IMP 2 SURGE/SPRAY AND SUBNORMAL FLARE NEAR N16W80 AT 21/1258Z. NO MEASUREABLE RADIO BURST WAS ASSOCIATED WITH THE EVENT. THE LARGE REGION NEAR N19W63 HAS DECLINED IN BOTH PLAGE AND SPOT AREAS BUT RETAINS ITS STRUCTURE. DEVELOPING REGIONS NEAR S13E00 AND N21E74 ARE STILL SMALL BUT HAVE BRIGHT BIPOLAR PLAGES TYPICAL OF YOUNG AND GROWING REGIONS. PROTON FLUXES NEAR EARTH ARE AT BACKGROUND. THE DEEP RIVER NEUTRON MONITOR COUNTING RATE IS CURRENTLY DEPRESSED BY ABOUT 2-3 PERCENT AND RECOVERING. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED.

B. INFREQUENT CLASS M ACTIVITY IS EXPECTED FROM THE NW AND NE REGIONS DURING THE NEXT 72 HOURS. SLIGHTLY DISTURBED GEOMAGNETIC CONDITIONS SHOULD CONTINUE FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 JUNE/1700Z ENDING 24 JUNE/1700Z.

CLASS M OR GREATER 30/80/70

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX FOR 21/1700Z WAS 153. PREDICTED 10.7 CM FLUX FOR 22-24 JUNE IS 150/145/140.

E. MAGNETIC A-FREDERICKSBURG FOR 20 JUNE WAS 13. FOR 21 JUNE ABOUT 15 PREDICTED AP FOR 22-24, 12/10/10.

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