

NNNN0358

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KMSC

HAUS BOU 180400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 630A ISSUED 0400Z 18 MAY 1970

CLASS C FLARES ARE EXPECTED AND CLASS M ARE PROBABLE DURING THE NEXT 13 HOURS.

A. CLASS C FLARES CONTINUED AT A MODERATE LEVEL DURING THE PAST 11 HOURS. THE ENERGETIC FLARES HAVE REDUCED TO ONLY ONE OR TWO EACH 24 HOURS. THE REGION S07W45 HAS BEEN DECAYING BUT IT STILL CONTINUES MIXED POLARITIES IN ITS CENTRAL PORTION. MT. WILSON HAS IDENTIFIED A DELTA CONFIGURATION IN THIS CENTRAL PORTION. THE REGION N17E02 IS STILL A DYNAMIC LOOKING REGION BUT HAS PRODUCED VERY LITTLE ACTIVITY. THE GEOMAGNETIC FIELD CONTINUES TO HAVE SHORT PERIODS OF DISTURBANCE.

B. CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE NEXT 13 HOURS. SATELLITE READOUT INDICATES SOLAR ACTIVITY BEYOND EAST LIMB. GEOMAGNETIC FIELD WILL CONTINUE WITH PERIODS OF DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 MAY/0400Z ENDING 21 MAY/0400Z

CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 17/1700Z AND 2000Z WERE 193 AND 198 RESPECTIVELY.

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HAUS BOU 181700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 630B ISSUED 1700Z 18 MAY 1970

INFREQUENT CLASS M FLARE ACTIVITY EXPECTED.

A. THREE ACTIVE REGIONS - S07W55 - N13E58 AND N17W05 ARE PRODUCING MINOR - CLASS C - FLARES. THE SW REGION HAS SHOWN DECAY AND FRAGMENTATION IN SPOTS, HOWEVER, ITS ASSOCIATED PLAGE HAS GROWN AND BECOME BRIGHTER. SOME MOTION OF THE SPOTS IN THE N17W05 REGION OCCURRED BUT IT REMAINS DORMANT. THE N13E58 GROUP HAS NO TRAILER AND IS ALMOST COMPLETELY ENCOMPASSED BY A MODERATELY ACTIVE FILAMENT. LIMB ACTIVITY NEAR N17 SIGNALS A RETURNING REGION. EACH HAS THE CAPABILITY TO PRODUCE A MORE ENERGETIC - CLASS M - FLARE, HOWEVER NO MAJOR RISE IN FLARE ACTIVITY IS ANTICIPATED DURING THE NEXT 24 HOURS DESPITE THE HIGH LEVEL OF 10 CM FLUX.

B. OVERALL FLARE ACTIVITY EXPECTED TO REMAIN LOW FOR THE NEXT 24 TO 48 HOURS FOLLOWED BY INCREASING ACTIVITY FROM THE SW REGION PRIOR TO W LIMB PASSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 MAY/1700Z ENDING 21 MAY/1700Z.

CLASS M OR GREATER 60/60/80

CLASS X 10/10/10

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 195.0. PREDICTED 193/190/185.

E. MAGNETIC A-FREDERICKSBURG FOR 17 MAY WAS 10. FOR 18 MAY ABOUT 7 PREDICTED AP FOR 19-21 MAY, 8/8/8.

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