

NNNN

KMSC

HAUS BOU 190400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 631A ISSUED 0400Z 19 MAY 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. THE TWO REGIONS S08W58 AND N17W07 HAVE PRODUCED MOST OF THE SOLAR ACTIVITY DURING THE PAST 11 HOURS. A CLASS M EVENT WAS OBSERVED AT 18/1830Z FROM THE SOUTH WEST REGION. THE REGION S08W58 HAS DURING THE PAST 8 HOURS SHOWN SOME DEVELOPMENT IN THE CENTRAL PORTION. THE DELTA CONFIGURATION OF THIS REGION HAS DISAPPEARED. THE REGION N17W07 HAS A BETA GAMMA CLASSIFICATION AND HAS POTENTIAL OF PRODUCING ENERGETIC FLARES. THE GEOMAGNETIC FIELD IS QUIET.

B. DURING THE NEXT 24 HOURS FLARE ACTIVITY SHOULD INCREASE FROM S08W58 AND N17W07. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 MAY/0400Z ENDING 22 MAY/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 18/1700Z AND 2000Z WERE 190 AND 192 RESPECTIVELY.

SOLTERWARN

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HAUS BOU 191700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 631B ISSUED 1700Z 19 MAY 1970

INFREQUENT M FLARES ARE EXPECTED IN THE NEXT 11 HOURS

A. A MODERATE LEVEL OF LOW ENERGY FLARES HAVE OCCURRED SUR-
PRISINGLY ONLY IN THE WESTERN SECTOR OF THE DISK TODAY.

ONE M FLARE WAS DETECTED AT 18/1836 A SN LOCATED AT S06W55.

THE N17W15 REGION HAS BEGUN TO EMIT SUBFLARES BETWEEN THE LARGE

SPOTS AND AMONG EAST-WEST ABSORPTION FEATURES. THE S15W43

REGION HAS SHOWN PENUMBRAL GROWTH IN LEADER AND FOLLOWER. ITS

COMPANION TO THE NE IS UNCHANGED /S08W66/. THE NEW DISK FEATURE

AT N15E74 HAS BRIGHT FLUCTUATING PLAGE.

B. HAVING ONLY SUBFLARES TO LOOK AT THE PAST FEW DAYS IT WOULD

NORMALLY HAVE US DROP PROBABILITIES BUT WITH THE PRESENCE OF THE

LARGE NW COMPLEX I REFUSE TO BELIEVE IT WILL PASS BY THE DISK

WITHOUT PRODUCING SOME ENERGETIC FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24

HR PERIODS BEGINNING 19 MAY/1700Z ENDING 21 MAY/1700Z.

CLASS M OR GREATER 70/75/80

CLASS X 10/15/20

PROTON EVENTS 05/05/10

D. OTTAWA 10.7CM FLUX 1400Z WAS 195. PREDICTED 190/185/180.

E. MAGNETIC A-FREDERICKSBURG FOR 18 MAY WAS 05. FOR 19 MAY

ABOUT 07. PREDICTED AP FOR 20-22 MAY 07/08/08.

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