

KMSC

HAUS BOU 240400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 575A ISSUED 0400Z 24 MARCH 1970

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

A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. ONE CLASS M FLARE 23/1550Z FROM REGION N17W65 HAS BEEN OBSERVED. BSL ACTIVITY HAS BEEN OBSERVED AT BOTH NE AND SE DURING PAST 11 HOURS. A SMALL PROTON EVENT WAS FIRST DETECTED BY ATS SATELLITE AND ALSO SLIGHT ABSORPTION ON THE ANCHORAGE CHAIN. THIS EVENT STARTED 23/1850Z BUT REACHED MAXIMUM INTENSITY AT ABOUT 23/2100Z. PIONEER DATA INDICATES MAJOR SOLAR ACTIVITY BEYOND THE EAST LIMB. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGION N17W65 AND THE COMPLEX REGION ON THE NORTH EAST MAY PRODUCE AN OCCASIONAL CLASS M FLARE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 24 MAR/0400Z ENDING 27 MAR/0400Z

CLASS M OR GREATER 70/70/80

CLASS X 10/10/20

PROTON EVENTS 02/02/05

D. OTTAWA 10.7 CM FLUX 23/1700Z AND 2000Z WERE BOTH 171.

SOLTERWARN

SPAN

BT

HAUS BOU 24171

HAUS BOU 241724Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 575B ISSUED 1700Z 24 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY IS INCREASING WITH THREE CLASS M FLARES
BEING OBSERVED AT 24/0637Z (IMP SN) AT N17W73, AT 24/0800Z
(IMP 2N) AT N20W02, AND AT 24/0919Z (IMP 1B) AT N17W79. THE
REGION AT N17W79 REMAINS AS THE BRIGHTEST AND MOST IMPRESSIVE
REGION ON THE DISK. THE NE COMPLEX OF SPOT GROUPS HAVE ALL
DECLINE WITH THE EXCEPTION OF THE REGION AT N14E18 WHICH HAS
SHOWN SOME PENUMBRAL GROWTH IN THE TRAILER PORTION. THE
REMAINING REGIONS ARE SMALL, STABLE AND UNIMPRESSIVE. THE
GEOMAGNETIC FIELD IS QUIET. ATS-1 SATELLITE OBSERVATIONS HAVE
NOT BEEN AVAILABLE THIS ZULU DAY, ALTHOUGH OTHER SATELLITE
SOURCES SHOW A DECLINE IN THE MINOR EVENT.

B. CLASS M FLARE ACTIVITY IS EXPECTED TO CONTINUE FROM THE
N17W79 REGION BEFORE WEST LIMB PASSAGE. THE GEOMAGNETIC
FIELD IS EXPECTED TO BECOME DISTURBED 48 HOURS FROM THIS TIME.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 24/1700Z ENDING 27/1700Z.

CLASS M OR GREATER 80/80/70

CLASS X 20/20/5

PROTON EVENTS 10/10/2

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 168. PREDICTED 160/155/150.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MARCH WAS 05. FOR 24 MARCH
ABOUT 03 PREDICTED AP FOR 25-27 MARCH, 6/8/20.

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