

KMSC

HAUS BOU 160400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 539A ISSUED 0400Z 16 FEBRUARY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY FROM THE NORTHWEST REGION HAS BEEN DECREASING DURING THE PAST 11 HOURS. THE REGION S20E46 WHICH MT. WILSON CLASSIFIED AS HAVING DELTA CONFIGURATION HAS INCREASED IN SOLAR ACTIVITY. THE NEW REGIONS ON THE SE LIMB HAVE NOT HAD TRUE EVALUATION BUT ACTIVITY FROM THIS REGION HAS BEEN SPORADIC, AND COULD PRODUCE MORE ACTIVITY. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C AND AN OCCASIONAL CLASS M FLARES ARE LIKELY DURING THE NEXT 24 HOURS FROM THE REGIONS S20W46 AND N18W67.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 FEB/0400Z ENDING 19 FEB/0400Z

CLASS M OR GREATER 80/80/80

CLASS X 15/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 15/1700Z AND 2000Z WERE 207 AND 214 RESPECTIVELY.

SOLTERWARN

SPAN

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NNNN1700

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KMSC

HAUS BOU 161700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 539B ISSUED 1700Z 16 FEB 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY CLASS

C, FLARES BEING OBSERVED. THE S21E33 REGION HAS SHOWN

PENUMBRAL GROWTH IN THE SE PORTION OF THE LARGE LEADER

SPOT. UMBRAL DECAY HAS OCCURRED IN THE REGION AT S15W53.

A D OR E-TYPE BIPOLAR SPOT GROUP, WITH WEAK PLAGE EXTENDING

EAST OVER THE LIMB, IS LOCATED AT S15E77. BSL'S CONTINUE

FROM S10-15EL. THE REMAINING REGIONS ARE STABLE.

THE GEOMAGNETIC FIELD IS QUIET.

B. SPORADIC CLASS M ACTIVITY IS EXPECTED DURING THE NEXT 3

DAYS MOSTLY FROM THE S21E33 REGION.

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

HOUR PERIODS BEGINNING 16/1700Z ENDING 19/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 15/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 199. PREDICTED 195/189/189.

E. MAGNETIC A-FREDERICKSBURG FOR 15 FEB WAS 07. FOR 16 FEB

ABOUT 05 PREDICTED AP FOR 17-19 FEB, 6/8/8.

SOLTERWARN

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