

KMSC

HAUS BOU 290400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 490A ISSUED 0400Z 29 DECEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED IN THE NEXT 13 HOURS

A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 11 HOURS. THE REGION AT S20E21 APPEARS AS THE BRIGHTEST ON THE DISK AND HAS SHOWN SOME GROWTH AND DEVELOPMENT DURING THE PAST 24 HOURS. THIS GROUP IS NOW D-TYPE. ALL OTHER REGIONS APPEAR STABLE AND ALL REGIONS ARE CLASSIFIED SIMPLE MAGNETICALLY BY MT. WILSON. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. ACTIVITY WILL BE CONFINED TO CLASS C AND AN OCCASIONAL CLASS M FLARES DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 DEC/0400Z ENDING 01 JAN 70/0400Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 28/1700Z AND 2000Z WERE 154 AND 157 RESPECTIVELY.

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KMSC

HAUS BOU 291700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 490B ISSUED 1700Z 29 DECEMBER 1969

ONLY CLASS C ACTIVITY EXPECTED IN THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL THE PAST 13 HOURS. THE SOLAR DISK IS GENERALLY UNIMPRESSIVE. THE MOST SIGNIFICANT ACTIVE CENTERS ARE LOCATED NEAR S12W70, S17E10, N13E55, AND S06W33. THE S06W33 REGION IS NEW AND THE SPOT GROUP HAS GROWN RAPIDLY TO A TYPE C IN THE PAST 18 HOURS. THE ASSOCIATED PLAGE IS CURRENTLY THE BRIGHTEST DISK FEATURE. THE N13E55 AND S17E10 REGIONS HAVE SHOWN SOME GROWTH BUT SO FAR HAVE BEEN RELATIVELY INACTIVE. THE GEOMAGNETIC FIELD IS VERY QUIET.

B. ACTIVITY IS EXPECTED TO BE CONFINED TO CLASS C AND OCCASIONAL SMALL CLASS M EVENTS DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 DEC/1700Z ENDING 01 JAN/1700Z.

CLASS M OR GREATER 40/50/50

CLASS X 02/02/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 156. PREDICTED 158/156/154.

E. MAGNETIC A-FREDERICKSBURG FOR 28 DEC WAS 02. FOR 29 DEC ABOUT 05. PREDICTED AP FOR 30 DEC-01 JAN 08/08/10.

SOLTERWARN

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NNNN0420

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KMSC

HAUS BOU 300420Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 491A ISSUED 0400Z 29 DEC 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED VERY LOW WITH ONLY A FEW CLASS C FLARES BEING OBSERVED. SLOW SPOT GROWTH HAS BEEN OBSERVED FROM THE S06W38, N14E48 AND N09E58 REGIONS. THE GEOMAGNETIC FIELD IS QUIET.

B. ONLY CLASS C ACTIVITY IS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30/0400Z ENDING 02/0400Z.

CLASS M OR GREATER 40/40/40

CLASS X 2/2/2

PROTON EVENTS 1/1/1

D. OTTAWA 10.7 CM FLUX AT 29/1700 AND 2000Z WERE 159 AND 157 RESPECTIVELY.

SOLTERWARN

SPAN

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