

KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 489A ISSUED 0400Z 28 DECEMBER 1969

CLASS M FLARES ARE PROBABLE IN THE NEXT 13 HOURS.

A. THE REGION NOW LOCATED AT S12W49 IS CLASSIFIED BY MT. WILSON AS A BETA GAMMA WITH A DELTA CONFIGURATION. THIS REGION MCMATH NUMBER 491 HAS PRODUCED NUMEROUS SUBFLARES EARLIER ON THE 27TH. VERY LITTLE ACTIVITY HAS BEEN OBSERVED DURING THE PAST SIX HOURS FROM ANY OF THE REGIONS ON THE VISIBLE DISK. THE GEOMAGNETIC FIELD IS RELATIVELY QUIET ONCE AGAIN AFTER THE DISTURBANCE OF 27 DECEMBER.

B. CLASS M FLARES ARE PROBABLE FROM THE REGION AT S12W49.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 DEC/0400Z ENDING 31 DEC/0400Z

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 27/1700Z AND 2000Z WERE 152 AND 154 RESPECTIVELY

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KMSC

HAUS BOU 281700Z

FROM SPACE DISTURBA CE FORECAST CE TER ESSA BOULDER COLO

SDF UMBER 489B ISSUED 1700Z 28 DEC 1969

CLASS M FLARES ARE EXPECTED I THE EXT 11 HOURS.

A. ACTIVITY HAS BEEN AT A LOW LEVEL THE PAST 13 HOURS. THE RETURNING REGION NEAR M12E71 APPEARS TO CONSIST OF A D-TYPE SPOT GROUP WITH RUDIMENTARY PENUMBRA AND A BRIGHT AND FLUCTUATING PLAGE WHICH CONTAINS ACTIVE EMBEDDED ABSORPTION FEATURES. THE REGION NEAR S23E26 IS REPORTED TO BE THE BRIGHTEST DISK FEATURE WITH FREQUENT PLAGE FLUCTUATIONS OBSERVED. ABSORPTION FEATURES IN THIS REGION ARE ALSO QUITE ACTIVE. A SMALL PLAGE IS ROTATING ON TO THE DISK NEAR N05. THE GEOMAGNETIC FIELD IS QUIET.

B. SIGNIFICANT ACTIVITY DURING THE NEXT 72 HOURS IS EXPECTED TO BE CONFINED TO SMALL AND INFREQUENT CLASS M FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 DEC/1700Z ENDING 31/1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 150. PREDICTED 148/146/148.

E. MAGNETIC A-FREDERICKSBURG FOR 27 DEC WAS 08. FOR 28 DEC ABOUT 05. PREDICTED AP FOR 29-31 DEC; 08/08/10.

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