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KMSC

HAUS BOU 020408Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 494A ISSUED 0400Z 02 JAN 1970

ONE OR TWO CLASS M FLARES ARE EXPECTED DURING THE NEXT 13-HOUR PERIOD.

A. NO ENERGETIC FLARES HAVE BEEN OBSERVED SINCE THE LAST REPORT. THE MOST RECENT SUBFLARE ACTIVITY HAS OCCURRED WITHIN 2 NE REGIONS - SPOT GROUPS NEAR N13E04 AND N09E18. ON THE EAST LIMB AT S12 BRIGHT SURGES ARE ACCOMPANING THE PLAGE ROTATING ONTO THE DISK THERE. THE SEVEN OTHER SPOT GROUPS VISIBLE ARE INACTIVE.

B. SAME AS PREVIOUS MESSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JAN/0400Z ENDING 05/0400Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 01/1700 AND 2000Z WERE 156 AND 143 RESPECTIVELY.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 494 BISSUED 1700Z 02 JAN 1970

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

A. A SMALL, GROWING REGION AT N22E47 PRODUCED AN OPTICAL IMPORTANCE 1B FLARE AT 02/0510Z FOLLOWED BY A SECOND MAXIMUM, OPTICAL IMPORTANCE 2N, AT 02/0615Z. BOTH OF THESE FLARES WERE CLASS C EVENTS. THE REGION AT S18W42 HAS LOST SOME TRAILER SPOTS AND IS BECOMING UNIMPRESSIVE. LITTLE CHANGE HAS OCCURRED IN THE N13W02 REGION, ALTHOUGH ITS PLAGE AREA IS THE MOST COMPLEX REGION ON THE DISK. A MINOR GEOMAGNETIC STORM BEGAN GRADUALLY AT 02/0100Z.

B. AN OCCASIONAL CLASS M EVENT IS PROBABLE DURING THE NEXT 72 HOURS FROM THE N13W02 AND N22E47 REGIONS. THE GEOMAGNETIC STORM WILL END WITHIN 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02/1700Z ENDING 05/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 150. PREDICTED 145/142/140.

E. MAGNETIC A-FREDERICKSBURG FOR 01 JAN WAS 06. FOR 02 JAN ABOUT 24. PREDICTED AP FOR 03-05 JAN; 15/10/08.

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