

NNNN0402

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KMSC

HAUS BOU 010400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 705A ISSUED 0400Z 01 AUGUST 1970

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

A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 11 HOURS. THE REGIONS ON THE DISK ARE ALL STABLE AND HAVE NOT SHOWN ANY RAPID GROWTH. THE REGION S08W06 HAS SHOWN SOME REDEVELOPEMENT IN THE LEADER PORTION WHERE YESTERDAY IT HAD BROKEN UP. THE REGION N14E53 IS THE BRIGHTEST DISK FEATURE. THE GEOMAGNETIC FIELD IS SHOWING PERIODS OF DISTURBED CONDITIONS.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVEL FOR NO NEW REGIONS ARE EXPECTED TO ROTATE ON THE DISK. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF DISTURBED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 AUG/0400Z ENDING 03 AUG/0400Z.

CLASS M OR GREATER 35/35/35

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 31/1700Z AND 31/2000Z WERE BOTH

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HAUS BOU 011700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 705B ISSUED 1700Z 01 AUGUST 1970

ONLY CLASS-C FLARES ARE LIKELY DURING THE NEXT 13 HOURS.

A. ONLY ONE SIGNIFICANT SOLAR EVENT HAS OCCURRED DURING THE PAST 13 HOURS; THAT EVENT CONSISTED OF A CLASS-M ONE-BRILLIANT FLARE FROM THE REGION AT N06W45. THE FLARE BEGAN GRADUALLY AT ABOUT 01/1020Z, BUT THE ENERGETIC RISE TO THE PRIMARY MAXIMUM DID NOT OCCUR UNTIL ABOUT 1109Z. THE N06W45 REGION PRESENTLY IS THE ONLY DISK REGION POSSESSING THE POTENTIAL FOR ENERGETIC FLARES, AND THIS REGION PRESENTLY APPEARS RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 13 HOURS.

B. OCCASIONAL CLASS-C FLARES ARE THE MOST SIGNIFICANT SOLAR EVENTS EXPECTED DURING THE FORECAST PERIOD, ALTHOUGH A SLIGHT CHANCE EXISTS THAT THE N06W45 REGION MAY PRODUCE SPORADIC ENERGETIC ACTIVITY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET WITH OCCASIONAL PERIODS OF SLIGHT DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 AUG/1700Z ENDING 04 AUG/1700Z.

CLASS M OR GREATER 40/35/35

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 01/1400Z WAS 134.

PREDICTED 10.7 CM FLUX FOR 02-04 AUG IS 125/121/120.

E. MAGNETIC A-FREDERICKSBURG FOR 31 JULY WAS 15. FOR 01 AUG ABOUT 06 PREDICTED AP FOR 02-04 AUG, 07/06/06.

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