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KMSC

HAUS BOU 210400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 725A ISSUED 0400Z 21 AUG 1970

SMALL M-FLARES ARE BELIEVED TO BE THE UPPER LIMIT ON SOLAR ACTIVITY
THESE NEXT 13 HOURS.

A. ABOUT 28 SUBFLARES WITH TWO SMALL M EVENTS AMONG THEM TOOK PLACE
ACROSS THE DISK YESTERDAY. THE TWO MOST ACTIVE REGIONS ARE THOSE NEAR
N09W11 AND N23E09. THE FORMER - A BETA-GAMMA FEATURE - REPRESENTS THE
DECAYING SOURCE OF LAST WEEK'S HISTORIC EAST LIMB ACTIVITY WHILE THE
LATTER IS A NEWLY DEVELOPING BIPOLAR GROUP. ALL NINE REMAINING SPOT
GROUPS ARE INACTIVE.

B. OVERALL FLARE FREQUENCY IS EXPECTED TO REMAIN AT ABOUT THE CURRENT
LEVEL DURING THE NEXT 3 DAYS. UNSETTLED GEOMAGNETIC CONDITIONS ARE
ANTICIPATED AS THE N09W11 REGION ASSUMES A POSITION 2 TO 4 DAYS WEST
OF CENTRAL MERIDIAN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 21 AUG/0400Z ENDING 24 AUG/0400Z

CLASS M OR GREATER 90/80/80

CLASS X 15/15/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 20/1700Z AND 20/2000Z ARE NOT AVAILABLE.

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HAUS BOU 211700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 725B ISSUED 1700Z 21 AUG 1970

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

A. SOLAR ACTIVITY HAS BEEN RELATIVELY LOW DURING THE PAST 13 HOURS; ONLY CLASS-C SUBFLARES HAVE BEEN REPORTED. SLOW GROWTH HAS BEEN OBSERVED IN SOME OF THE REGIONS IN THE NORTH-EAST QUADRANT, BUT NO DISK FEATURES PRESENTLY ARE KNOWN TO CONTAIN MAGNETICALLY COMPLEX STRUCTURES. A LARGE J-TYPE SPOT AND TRAILING PLAGE HAVE ROTATED ONTO THE DISK NEAR N09E83, BUT NO ENERGETIC ACTIVITY YET HAS BEEN OBSERVED AT THAT SITE. THE REGION AT N09W18 APPEARS TO BE IN A STATE OF SLOW DECAY; A 184 MHZ NOISE STORM BELIEVED TO HAVE ORIGINATED IN THE N09W18 REGION HAS ENDED. DURING THE PAST 24 HOURS THE GEOMAGNETIC FIELD HAS REMAINED QUIET, AND ATS-1 PROTON COUNTING RATES HAVE SHOWN VERY SLIGHT TEMPORARY ENHANCEMENTS.

B. SOLAR ACTIVITY IS LIKELY TO REMAIN MODERATELY LOW DURING THE FORECAST PERIOD; NONE OF THE DISK REGIONS PRESENTLY APPEAR CAPABLE OF DYNAMIC DEVELOPMENT OR THE PRODUCTION OF ENERGETIC FLARES. THERE IS A DIMINISHING CHANCE THAT THE GEOMAGNETIC FIELD MAY BECOME DISTURBED DURING THE NEXT 24 HOURS AS A RESULT OF THE CLASS-X WEST LIMB FLARE AT 19/1114Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 AUG/1700Z ENDING 24 AUG/1700Z.

CLASS M OR GREATER 65/65/65

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX FOR 21/1400Z WAS NOT AVAILABLE.

PREDICTED 10.7 CM FLUX FOR 22-24 AUG IS 138/138/138.

E. MAGNETIC A-FREDERICKSBURG FOR 20 AUG WAS 03. FOR 21 AUG ABOUT 07. PREDICTED AP FOR 22-24 AUG, 11/10/08.

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