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KMSC

HAUS BOU 170400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 017A ISSUED 0400Z 17 JANUARY 1971

CLASS C ACTIVITY IS EXPECTED AND CLASS M ACTIVITY IS PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY ON THE DISK HAS BEEN VERY LOW DURING THE PAST 11 HOURS. THE BSL ACTIVITY WHICH WAS OBSERVED EARLIER ON THE WEST LIMB HAS ALSO DECREASED. THE REGION AT N19E54 IS THE MOST INTERESTING DISK FEATURE. THE GEOMAGNETIC FIELD HAS HAD PERIODS OF MINOR DISTURBANCE.

B. CLASS M ACTIVITY IS PROBABLE FROM THE REGION N19E54. THIS REGION HAS THE POTENTIAL FOR MAJOR FLARE PRODUCTION. THE PRESENT LOCATION OF THIS REGION IS SUCH THAT A PROTON FLARE IS NOT LIKELY. THE GEOMAGNETIC FIELD WILL CONTINUE TO HAVE DISTURBED PERIODS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 JAN/0400Z ENDING 20 JAN/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 35/35/35

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE 166 AND 162 RESPECTIVELY.

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HAUS BOU 171700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 017B ISSUED 1700Z 17 JAN 1971

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS,
HOWEVER, A RESURGENCE IN ACTIVITY IS LIKELY SOMETIME BETWEEN
18/0000 AND 1200Z.

A. SO FAR TODAY THE FIVE DISK FEATURES THAT ARE VISIBLE HAVE
BEEN THE SOURCE OF NOTHING MORE THAN A FEW NON-ENERGETIC SUB-
FLARES AND MINOR POINT BRIGHTENINGS. THE INTERMEDIATE-SIZE
SPOT GROUP GIVING RISE TO YESTERDAY'S GREAT MICROWAVE BURST
IS NOW CENTERED NEAR N19E46 AND APPEARS DORMANT. ALONG THE
EAST LIMB TWO SMALL GROUPS HAVE ROTATED INTO VIEW-AT LATITUDES
N13 AND S10. IMPORTANCE ONE SURGES ACCOMPANIED THEIR LIMB TRANSITS.

B. HOMOLOGOUS FLARES ARE ANTICIPATED FROM THE N19W46 CENTER. IN
ADDITION THE GEOMAGNETIC FIELD SHOULD BECOME DISTURBED BY
18/1200Z. A GRADUAL ONSET IS IMPLIED BY PIONEER 6.

C. FLARE AND PROTON EVENTS PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 17 JAN/1700Z ENDING 20 JAN/1700Z.

CLASS M OR GREATER 95/80/75

CLASS X 35/20/15

PROTON EVENTS 10/20/15

D. OTTAWA 10.7 CM FLUX FOR 17/1400Z WAS 163. PREDICTED

10.7 CM FLUX FOR 18-20 JAN IS 167/170/169.

E. MAGNETIC A-FREDERICKSBURG FOR 16 JAN WAS 09. FOR 17 JAN
ABOUT 06. PREDICTED AP FOR 18-20 JAN, 15/14/13.

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