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KMSC

HAUS BOU 210400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 052A ISSUED 0400Z 21 FEBRUARY 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE
DURING THE NEXT 13 HOURS.

A. ONLY A FEW MINOR SUBFLARES HAVE BEEN OBSERVED DURING THE
PAST 11 HOURS. THE REGIONS ON THE DISK ALL APPEAR STABLE AND
QUIET. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE SHOULD BE
THE PATTERN DURING THE NEXT THREE DAYS. THE REGION S16E36 IS
THE MOST LIKELY REGION FOR CLASS M ACTIVITY. THE GEOMAGNETIC
FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE.

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

CLASS M OR GREATER 80/70/70

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 20/1700Z AND 20/2000Z WERE 141
AND 138 RESPECTIVELY.

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KMSC

HAUS BOU 211700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 052B ISSUED 1700Z 21 FEB 1971

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

A. ON THE DISK INFREQUENT, NON-ENERGETIC SUBFLARES CONTINUE TO CHARACTERIZE SOLAR ACTIVITY. AN IMPORTANCE 3 BSL/SPRAY WAS OBSERVED NEAR NW50 BEGINNING SHORTLY BEFORE 21/0836Z. THE ERUPTION'S MAXIMUM RADIAL EXTENT HAS BEEN ESTIMATED TO BE ABOUT 0.5 SOLAR RADIUS. THERE APPEARS TO BE LITTLE CHANGE IN THE CONFIGURATIONS OF THE 8 SMALL SPOT GROUPS CURRENTLY VISIBLE. BOTH HIGH AND LOW LATITUDE MAGNETOMETERS ARE NEAR THEIR RESPECTIVE QUIET-DAY RESPONSES.

B. NO CHANGE.

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

CLASS M OR GREATER 70/65/60

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 21/1400Z WAS 135. PREDICTED 10.7 CM FLUX FOR 22-24 FEB IS 132/127/126.

E. MAGNETIC A-FREDERICKSBURG FOR 20 FEB WAS 10. FOR 21 FEB ABOUT 06. PREDICTED AP FOR 22-24 FEB, 04/03/09.

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