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KMSC

HAUS BOU 160400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 047A ISSUED 0400Z 16 FEBRUARY 1971

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. THE REGIONS ON THE DISK ARE ALL STABLE AND QUIET. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 11 HOURS. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED, BUT HAS NOT REACHED STORM INTENSITY.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT LOW LEVEL. NO NEW ENERGETIC REGIONS ARE EXPECTED ON THE VISIBLE DISK. THE DISTURBED GEOMAGNETIC FIELD IS EXPECTED TO RETURN TO MORE NORMAL CONDITIONS DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 FEB/0400Z ENDING 19 FEB/0400Z

CLASS M OR GREATER 20/20/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 15/1700Z AND 15/2000Z WERE 122 AND 121 RESPECTIVELY.

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HAUS BOU 161700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 047B ISSUED 1700Z 16 FEB 1971

THE MOST ENERGETIC FLARES EXPECTED DURING THE NEXT 11 HOURS ARE CLASS C EVENTS.

A. OVERALL DISK ACTIVITY CONTINUES AT A REDUCED LEVEL. THE MAJORITY OF NON-ENERGETIC FLARES REPORTED SO FAR TODAY HAVE ORIGINATED WITHIN THE SLOWLY EVOLVING N14W34 REGION. NEAR CONTINUOUS SURGES ARE IN EVIDENCE ALONG THE SE LIMB BETWEEN 14 AND 21 DEGREES. AN IMPORTANCE 2 SPRAY ERUPTED THERE AS WELL APPROXIMATELY 3.5 HOURS AGO. THE MINOR MAGNETIC DISTURBANCE WHICH BEGAN GRADUALLY ABOUT 14/0900Z APPEARS TO HAVE SUBSIDED. FREDERICKSBURG OBSERVED K INDICES AS HIGH AS 5 FOR THE 15/2100-2400 AND 16/0000-0300Z PERIODS. MOREOVER, BOTH VISUAL AND RADIO AURORAE ACCOMPANIED THE STORM.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 FEB/1700Z ENDING 19 FEB/1700Z.

CLASS M OR GREATER 20/30/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 16/1400Z WAS 129. PREDICTED 10.7 CM FLUX FOR 17-19 FEB IS 132/133/136.

E. MAGNETIC A-FREDERICKSBURG FOR 15 FEB WAS 22. FOR 16 FEB ABOUT 15 PREDICTED AP FOR 17-19 FEB, 09/05/04.

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