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KMSC

HAUS BOU 170400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 540A ISSUED 0400Z 17 FEBRUARY 1970

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS CONSISTED OF A FEW CLASS C FLARES AND SEVERAL BSLS. THE BSL ACTIVITY HAS BEEN FROM THE NW, SW, AND SE REGIONS. THE REGION S20E32 IS SHOWING SIGNS OF THE LEADER PORTION SPLITTING. THERE IS EVIDENCE OF NEW SPOT GROWTH BEHIND REGION S14E80. THE OTHER REGIONS ON THE DISK APPEAR STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C FLARES WITH AN OCCASIONAL CLASS M CAN BE EXPECTED DURING THIS PERIOD. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

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

CLASS M OR GREATER 70/70/70

CLASS X 15/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 16/1700Z AND 2000Z WERE 198 AND 200 RESPECTIVELY.

SOLTERWARN

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KMSC

HAUS BOU 171715Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 540B ISSUED 1700Z 17 FEB 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. A CLASS M (IMP SB) FLARE WAS OBSERVED FROM AN INSIGNIFICANT REGION AT S12W03 AT 17/0806Z. THE MOST IMPRESSIVE AREA ON THE DISK IS SERIES OF SMALL SPOT GROUPS FROM S19E67, S15E64, TO S12E56. THE PLAGE AREA IN THESE REGIONS ARE DISORGANIZED AND AT NORMAL INTENSITY, BSL'S HAVE BEEN OBSERVED AT S01EL AND S22EL. A NEW B-TYPE SPOT GROUP IS LOCATED AT N22W32 AND A A-TYPE AT N16W58. THE REMAINING REGIONS ARE UNCHANGED AND STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. SPORADIC CLASS M ACTIVITY IS EXPECTED DURING THE NEXT 3 DAYS. SE LIMB ACTIVITY AND AN ENHANCED 9.1 CM RADIO MAP ON THE SE LIMB INDICATE THAT SOME MORE SMALL REGIONS WILL BE APPEARING WITHIN 24 HOURS.

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

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 198. PREDICTED 189/184/182.

E. MAGNETIC A-FREDERICKSBURG FOR 16 FEB WAS 05. FOR 17 FEB ABOUT 04 PREDICTED AP FOR 18-20 FEB, 5/6/8.

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