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HAUS BOU 130400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 013A ISSUED 0400Z 13 JANUARY 1971

OCCASIONAL CLASS C FLARES AND PERHAPS ONE CLASS M FLARE ARE LIKELY DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST 11 HOURS. ONLY CLASS C SUBFLARES HAVE BEEN REPORTED. THE MOST SIGNIFICANT EVENT CONSISTED OF A SUBFLARE AT 12/2356Z FROM THE REGION AT S06W36. THIS FLARE APPROACHED CLASS M XRAY INTENSITY AND PARTIALLY COVERED THE MAIN UMBRA OF THE LEADER SPOT. DEVELOPMENT IS IN PROGRESS IN THE REGION AT N20E31, WHERE AN ACTIVE FILAMENT IS PRESENT IN THE TRAILING PLAGE. THE NEW REGION AT S16E23 CONTAINS EMBEDDED ARCH FILAMENTS AND IS GROWING SLOWLY. SLOW DECAY CONTINUES IN THE S06W36 REGION. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 24 HOURS.

B. A RELATIVELY LOW LEVEL OF SOLAR ACTIVITY IS ANTICIPATED DURING THE NEXT 72 HOURS. OCCASIONAL SUBFLARES, MOST OF THEM RELATIVELY NON-ENERGETIC, ARE EXPECTED TO BE PRODUCED AT THE S06W36 AND N20E31 CENTERS. SOME MINOR GEOMAGNETIC DISTURBANCE MAY OCCUR DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 JAN/0400Z ENDING 16 JAN/0400Z

CLASS M OR GREATER 45/45/45

CLASS X 05/05/05

PROTON EVENTS 05/05/02

D. OTTAWA 10.7 CM FLUXES FOR 12/1700Z AND 12/2000Z WERE BOTH 156.

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HAUS BOU 131737

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 013B ISSUED 1700Z 13 JAN 1971

CLASS C FLARES AND A POSSIBLE CLASS M FLARE EXPECTED DURING THE NEXT 11 HOURS.

A. THE S06W44 REGION HAS REJUVENATED SLIGHTLY THE PAST 24 HOURS PRODUCING EIGHT SUBFLARES. A BRIGHT SEGMENT OF PLAGE RESTS JUST NE OF THE LARGE LEADING SUNSPOT. THE N20E21 REGION HAS A SEMI-CIRCULAR IFILAMENT ON THE TRAILING SIDE OF THE H TYPE LEADER SPOT. THE PLAGE LOOKS WEAK AND THE REGION HAS BEEN INACTIVE FOR 20HRS. SEVEN OTHER SMALL REGIONS DOT THE DISK AND LOOK UNIMPRESSIVE.

B. THE SW REGION IS EXPECTED TO DOMINATE SOLAR ACTIVITY WITH SEVERAL CLASS C FLARES PER DAY AND TWO OR THREE SMALL CLASS M FLARES IN THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 JAN/1700Z ENDING 16 JAN/1700Z.

CLASS M OR GREATER 45/50/55

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 13/1400Z WAS 154. PREDICTED 10.7 CM FLUX FOR 14-16 JAN IS 153/151/149.

E. MAGNETIC A-FREDERICKSBURG FOR 12 JAN WAS 02. FOR 13 JAN ABOUT 05 PREDICTED AP FOR 14-16 JAN, 08/06/04.

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