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HAUS BOU 010400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 091A ISSUED 0400Z 01 APRIL 1971

A CLASS M FLARE IS LIKELY DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY GENERALLY HAS REMAINED AT A LOW LEVEL DURING THE LAST 11 HOURS, BUT THE REGION AT S18W10 PRODUCED A BORDERLINE CLASS M1 SUB-BRILLIANT FLARE AT 31/1722Z. THIS EVENT PRODUCED MINOR IONOSPHERIC DISTURBANCE AND WAS ACCCOMPANIED BY WEAK RADIO EMISSIONS. THE S18W10 REGION IS MAGNETICALLY COMPLEX AND MAY CONTAIN DELTA CONFIGURATIONS IN BOTH OF THE ANTIPOLE LEADING PENUMBRAE. LITTLE ACTIVITY OR CHANGE HAS BEEN OBSERVED RECENTLY IN THIS ANOMALOUS ACTIVE CENTER. SLOW DEVELOPMENT HAS CONTINUED IN THE YOUNG REGION AT N13E17, WHERE FLUCTUATING PLAGE IS PRESENT. THE OTHER REGIONS ON THE DISK ARE UNIMPRESSIVE. SOME MINOR GEOMAGNETIC DISTURBANCE HAS OCCURRED DURING THE PAST 11 HOURS, AND THE EARTH'S FIELD IS STILL UNSETTLED AT THE TIME OF THIS MESSAGE.

B. DUE TO THE MAGNETIC CONFIGURATION OF THE SPOTS IN THE GROUP AT S18W10, ONE OR TWO CLASS M EVENTS ARE LIKELY AT THAT SITE DURING THE THREE-DAY FORECAST PERIOD. IN ADDITION, CLASS C EVENTS FROM THE VARIOUS REGIONS ON THE DISK ARE ANTICIPATED. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY DISTURBED DURING THE NEXT 11 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 APR/0400Z ENDING 04 APR/0400Z.

CLASS M OR GREATER 55/45/40

CLASS X 10/10/05

PROTON EVENTS 05/10/05

D. OTTAWA 10.7 CM FLUXES FOR 31/1700Z AND 31/2000Z WERE BOTH 103.

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER N91B ISSUED 1700Z 01 APR 1971
CLASS M FLARES EXPECTED.

A. THE S18W15 REGION PRODUCED A CLASS M3 SUB-BRIGHT FLARE AT 01/0550Z. ANOTHER SUB-BRIGHT FLARE OF BORDERLINE CLASS M INTENSITY OCCURRED IN THE SAME REGION AT 01/1251Z. THE 01/0550Z EVENT WAS CHARACTERIZED BY STRONG DEKAMETRIC EMISSION AND RELATIVELY INTENSE RF BURSTS CENTERED AROUND 606MHZ AND FALLING OFF RAPIDLY ABOVE 10CM. THE REGION IS ESSENTIALLY UNCHANGED EXCEPT FOR RELATIVE MOTIONS OF SOME OF THE SMALLER UMBRAE IN THE MIDSECTION BETWEEN THE TWO LARGE PENUMBRAE. NO SIGNIFICANT DEVELOPMENT HAS BEEN NOTED ELSEWHERE ON THE DISK. THE DISTURBANCE IN THE MAGNETIC FIELD HAS CONTINUED.

B. ANOTHER ONE OR TWO CLASS M FLARES ARE EXPECTED IN THE NEXT 24 HOURS AND A CLASS X EVENT IS BECOMING MORE PROBABLE. A SETTLING TREND IS EXPECTED IN THE GEOMAGNETIC FIELD UNTIL 4 MAR WHEN ANOTHER DISTURBED PERIOD IS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 APR/1700Z ENDING 04 APR/1700Z.

CLASS M OR GREATER 60/60/55

CLASS X 15/15/15

PROTON EVENTS 15/20/20

D. OTTAWA 10.7 CM FLUX FOR 01/1400Z WAS 112. PREDICTED 10.7 CM FLUX FOR 02-04 APR IS 106/110/112.

E. MAGNETIC A-FREDERICKSBURG FOR 31 MAR WAS 19. FOR 01 ABOUT 14 PREDICTED AP FOR 02-04, 11/08/15.

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