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HFUS BOU 220500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 265A ISSUED 0500Z 22 SEP 1971

A SMALL CLASS M FLARE IS LIKELY DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS DECREASED DURING THE PAST SEVEN HOURS, AND ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED. REGION 262 /N12W51/ HAS CONTINUED ITS PATTERN OF DEVELOPMENT AND IS THE MOST IMPRESSIVE DISK FEATURE, EXHIBITING ARCH FILAMENTS, COMPACT PLAGE, AND GROWING SPOTS. REGIONS 263 /S10W38/ AND 266 /S09W34/ HAVE CONTINUED TO DECLINE IN BOTH H-ALPHA AND WHITE LIGHT, AND ONLY A FEW SMALL SPOTS ACCOMPANIED BY SCATTERED PLAGE ARE NOW PRESENT. A NEW REGION CONTAINING A SMALL BUT BRIGHT IS GROWING AT S15E55. OTHER CENTERS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST SEVEN HOURS.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 SEP/0000Z ENDING 24 SEP/2400Z.

CLASS M OR GREATER 50/50/50

CLASS X 5/5/5

PROTON EVENTS 10/8/5

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 265B ISSUED 2200Z 22 SEPT 1971

CLASS C FLARES ARE EXPECTED WITH A CLASS M POSSIBLE.

A. REGIONS 263/266 CENTERED NEAR S12W46 CONTINUE RAPID DECLINE IN SUNSPOT STRUCTURE. PLAGE REMAINS EXTENSIVE WITH SOME FILAMENT STRUCTURE REAPPEARING. REGION 262 /N12W62/ IS SIMPLE BIPOLE AND APPEARS TO BE NEAR MATURITY IN ITS GROWTH. NEW REGIONS ARE EMERGING AT S04E02 /274/ AND N17E49 /275/. AN IMP 2 BSL NEAR S05 MAY HERALD THE RETURN OF REGION 246 WHICH CROSSED WEST LIMB AT S08 ON 10 SEPTEMBER. A THRESHOLD M-1 X-RAY EVENT OCCURRED WITH A SUBBRIGHT AT 22/0326Z FROM REGION 262. ONLY A SMALL RADIO BURST AND NO GEOPHYSICAL EFFECT ACCOMPANIED THIS EVENT. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW TO MODERATE LEVEL. DUE TO THE PROTON EVENT OF 01 SEPTEMBER, A MINOR MAGNETIC STORM IS STILL ANTICIPATED FOR 23 SEPTEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 SEP/0000Z ENDING 25 SEP/2400Z.

CLASS M OR GREATER 50/50/50

CLASS X 5/5/5

PROTON EVENTS 8/8/5

D. OTTAWA 10.7 CM FLUXES FOR 22/1400Z, 22/1700Z AND 22/2000Z WERE 111, 105 AND 111 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 23-25 IS 110/108/110.

E. MAGNETIC A-FREDERICKSBURG FOR 21 SEP WAS 03. FOR 22 SEP ABOUT 04. PREDICTED AP FOR 23-25 SEP, 35/14/12.

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