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KBOU

HAUS BOU 280500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 148A ISSUED 0500Z 28 MAY 1971

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

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST SEVEN HOURS. THE ONLY FLARE REPORTED CONSISTED OF A SUB-FAINT EVENT AT 27/2349Z IN THE REGION AT N12E12. AN ACTIVE FILAMENT IS PRESENT IN THE TRAILING PLAGE OF THIS N12E12 REGION. THE RATE OF GROWTH IN THE S08W37 REGION HAS DECREASED, BUT ARCH FILAMENTS AND A COMPLEX E-TYPE SPOT GROUP ARE PRESENT. THE REGION AT N13E78 CONTAINS BRIGHT PLAGE IN THE TRAILING SECTION BUT HAS PRODUCED ONLY A FEW SMALL SURGES RECENTLY. THE GEO-MAGNETIC FIELD IS QUIET.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 MAY/0000Z ENDING 30 MAY/2400Z.

CLASS M OR GREATER 60/65/70

CLASS X 05/10/15

PROTON EVENTS 10/15/20

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KBOU

HAUS BOU 282200

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 148B ISSUED 2200Z 28 MAY 1971

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

A. SOLAR ACTIVITY HAS BEEN LOW AND NONENERGETIC. THE S07W47 REGION HAS SIMPLIFIED MAGNETICALLY. THE DELTA EXISTS IN THE CENTRAL SPOTS BUT THE SPOTS HAVE NOW ARRANGED THEMSELVES IN A STRAIGHT BIPOLAR PATTERN. A NEW REGION AT N11E13 HAS EMERGED SEVERAL DEGREES BEHIND THE DECAYING REGION AT N12E03. THE OTHER TWO DISK REGIONS APPEAR STABLE.

B. CLASS M FLARE ACTIVITY REMAINS POSSIBLE FROM THE S07W47 REGION. THE INTERACTION BETWEEN THE N12E05 AND N11E15 REGIONS COULD TRIGGER SOME FLARE ACTIVITY DURING THE NEXT THREE DAYS. GEOMAGNETIC ACTIVITY IS EXPECTED TO RISE ON 29 MAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 MAY/0000Z ENDING 31 MAY/2400Z.

CLASS M OR GREATER 65/65/65

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUXES FOR 28/1400Z, 28/1700Z AND 28/2000Z WERE 105, 104 AND 104 RESPECTIVELY.

E. MAGNETIC A-FREDERICKSBURG FOR 27 MAY WAS 01. FOR 28 MAY ABOUT 02. PREDICTED AP FOR 29-31 MAY IS 35/25/15.

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