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KBOU

HAUS BOU 300500

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 150A ISSUED 0500Z 30 MAY 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL. THE REGIONS ON THE VISIBLE DISK ARE STABLE. NO NEW REGIONS HAVE DEVELOPED. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. A FEW SCATTERED NONENERGETIC FLARES CAN BE EXPECTED. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO COMMENCE ON 31 MAY BETWEEN 0900-1200Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 MAY/0000Z ENDING 01 JUNE/2400Z.

CLASS M OR GREATER 65/60/60

CLASS X 05/05/02

PROTON EVENTS 05/02/02

SOLTERWARN

SPAN

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KBOU

HAUS BOU 302200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 150B ISSUED 2200Z 30 MAY 1971

NOTHING MORE ENERGETIC THAN CLASS C FLARES IS EXPECTED DURING THE NEXT 24 HOURS.

A. ABOUT 10 SUBFLARES, NONE OF THEM M EVENTS, ~~HAS SHOWN~~ HAVE OCCURRED TODAY AMONG FOUR OF THE SIX DISK FEATURES VISIBLE. THE SMALL C /30 MILLIONTHS/ TYPE GROUP NEAR N12E38 ~~SOME POINT BRIGHTENINGS~~ NEAR THE SPOTS WHERE A SHARP KINK EXISTS IN THE NEUTRAL LINE. A NEW D SPOT CLUSTER OF AREA 30 MILLIONTHS IS EVIDENT IN THE SW QUADRANT /S17W67/. THE ASSOCIATED HYDROGEN PLAGE THERE WAS FLUCTUATING UP TO INTENSITY FIVE EARLIER IN THE DAY. A SMALL BUT WELL DEFINED STORM SUDDEN COMMENCEMENT WAS OBSERVED ON THE HORIZONTAL TRACE AT 30/0737Z. SUBSEQUENT K-INDICES HAVE NOT EXCEEDED FOUR AT THE FREDERICKSBURG, TUCSON, AND BOULDER MAGNETIC OBSERVATORIES.

B. LITTLE CHANGE IN THE OVERALL LEVEL OF DISK ACTIVITY IS EXPECTED DURING THE FORECAST PERIOD. THE RECURRENT MAGNETIC STORM SHOULD INTENSIFY ON THE 2ND. SEE EARLIER MESSAGES FOR ANTICIPATED A INDICES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 MAY/0000Z ENDING 02 JUNE/2400Z.

CLASS M OR GREATER 60/50/45

CLASS X 05/02/02

PROTON EVENTS 05/02/02

D. OTTAWA 10.7 CM FLUXES FOR 30/1400, 1700, AND 2000Z WERE 108, 107, AND 106 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 31 MAY-02 JUNE IS 103/97/96.

E. MAGNETIC A-FREDERICKSBURG FOR 29 MAY WAS 06. FOR 30 MAY ABOUT 13. PREDICTED AP FOR 31 MAY-02 JUNE, 09/06/15.

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