

KBOU

HAUS BOU 240500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 144A ISSUED 0500Z 24 MAY 1971

ONLY AN OCCASIONAL CLASS C FLARE IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. THE TWO GROUPS ON THE DISK ARE QUIET AND STABLE. A NEW PLAGE REGION HAS BEEN DEVELOPING AT S05W40 BUT NO SPOTS ARE VISIBLE AT THIS TIME. SMALL ACTIVITY HAS BEEN OBSERVED AT N08 E.L. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. THE NEW REGION AT S05W40, IF IT CONTINUES TO GROW, MAY PRODUCE SOME MINOR ACTIVITY. THE GEOMAGNETIC FIELD WILL BE GENERALLY QUIET WITH PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 24 MAY/0000Z ENDING 26 MAY/2400Z

CLASS M OR GREATER 20/15/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HAUS BOU 242200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 144B ISSUED 2200Z 24 MAY 1971

NO EVENTS MORE ENERGETIC THAN SPORADIC CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. OVERALL DISK ACTIVITY HAS REMAINED VERY LOW WITH THE TOTAL NUMBER OF FLARE EVENTS SO FAR TODAY NO MORE THAN 3 OR 4. BOTH LIMBS ARE EQUALLY QUIET. AT PRESENT 3 SMALL SPOT GROUPS ARE VISIBLE IN THE NORTHERN HEMISPHERE. THE MOST INTERESTING FEATURE LIES NEAR N12E56 WHERE SMALL ARCH FILAMENTS AND A BRIGHT PLAGE ARE EVIDENT. THIS REGION IS STILL NOT VERY LARGE, HOWEVER, BEING CLASSIFIED AS A RUDIMENTARY TYPE C GROUP.

B. ABOUT MIDDAY ON THE 26TH A LONGITUDE ACTIVE LAST ROTATION /L ABOUT 270/ IS DUE TO RETURN. THERE EXISTS SOME EVIDENCE FROM THE PIONEER 9 SPACECRAFT THAT ENERGETIC EVENTS OCCURRED SOMEWHERE ON THE BACK SIDE 3 OR 4 DAYS AGO, PERHAPS EITHER FROM THE REMMANTS OR FROM SOME NEWLY DEVELOPED REGION AT THIS LONGITUDE. GEOMAGNETICALLY A WEAK RECURRENT MAGNETIC DISTURBANCE IS EXPECTED TO BEGIN ON THE 25TH. LOCAL K-INDICES SHOULD NOT EXCEED 4 DURING THE FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 MAY/0000Z ENDING 27 MAY/2400Z.

CLASS M OR GREATER 15/30/35

CLASS X 01/02/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 24/1400, 1700, AND 2000Z WERE 86, 87, AND 86 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 25-27 MAY IS 83/87/94.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MAY WAS 12. FOR 24 MAY ABOUT 06. PREDICTED AP FOR 25-27 MAY, 15/12/10.

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