

KBOU

HAUS BOU 260500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 146A ISSUED 0500Z 26 MAY 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND ONLY ONE NON-ENERGETIC SUBFLARE HAS BEEN REPORTED. THE ONLY SIGNIFICANT DISK FEATURE CONSISTS OF THE GROWING D-TYPE REGION AT N12E37. SOME SEPARATION OF THE LEADER AND FOLLOWER SPOTS HAS OCCURRED, BUT THE REGION REMAINS RELATIVELY SIMPLE AND DOES NOT APPEAR DYNAMIC. A FEW SMALL SPIKES HAVE BEEN OBSERVED ON THE EAST LIMB BETWEEN NE06 AND NE12. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST SEVEN HOURS.

B. OCCASIONAL CLASS C FLARES ARE EXPECTED TO BE PRODUCED BY THE N12E37 REGION DURING THE NEXT 24 HOURS, BUT MAJOR ACTIVITY IS UNLIKELY. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN RELATIVELY QUIET WITH SHORT PERIODS OF UNSETTLED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 MAY/0000Z ENDING 28 MAY/2400Z.

CLASS M OR GREATER 40/45/50

CLASS X 05/05/10

PROTON EVENTS 02/02/02

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HAUS BOU 262200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 146B ISSUED 2200Z 26 MAY 1971

MINOR FLARES EXPECTED NEXT 24 HOURS.

A. LIMB ACTIVITY - MOSTLY SMALL SURGES CENTERED AROUND NE10-HAS BEEN THE DOMINANT FORM OF SOLAR ACTIVITY THE PAST 24 HOURS. THE MOST ENERGETIC OF THESE-FROM ABOUT 26/1400Z TO 26/1500Z-RAISED X-RAY BACKGROUNDS TO CLASS C LEVELS. THE ACTIVITY COVERS ABOUT 15 DEGREES OF LATITUDE AND PROBABLY HAS ORIGINATED IN PLAGE ASSOCIATED THE REGION DUE TO RETURN AT N13 DURING THE NEXT 24 HOURS. ON ITS LAST TRANSIT THE REGION HAD A VERY LARGE SPOT STRUCTURE BUT WAS NOT PARTICULARLY COMPLEX AND THE BRIGHT PLAGE AREA WAS DIMINUTIVE. ITS MOST ENERGETIC EVENT WAS A CLASS M7 AT WEST LIMB ON MAY 13, BUT THERE WERE SOME INDICATIONS OF ACTIVITY AFTER THAT TIME. THE REGION NOW AT N12E25 HAS A SIMPLIFIED STRUCTURE THOUGH A SMALL TECHNICAL DELTA MAY REMAIN IN THE LEADER. A NEW REGION HAS EMERGED AT S07W20. IT HAS GROWN AT ONLY A MODERATE RATE BUT IT HAS AN ANOMALOUS ALIGNMENT AND IT LIES IN AN AREA THAT HAS CONSISTENTLY PRODUCED SIZEABLE CENTERS OF ACTIVITY. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED THE PAST 24 HOURS.

B. LESS FREQUENT BUT POSSIBLY MORE ENERGETIC FLARES ARE NOW EXPECTED FROM THE N12E25 CENTER. NOTHING GREATER THAN CLASS M1 IS ANTICIPATED THERE. CLASS M EVENTS SHOULD BE REGARDED AS POSSIBLE AT THE NE LIMB. EVERGETIC FLARES ARE NOT YET EXPECTED AT S07W20. THE GEO-MAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT 6 DAYS WITH A VALUES RUNNING ABOUT 10 EACH DAY UNTIL A STORM OCCURS ON 2 JUNE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 MAY/0000Z ENDING 29 MAY/2400Z.

CLASS M OR GREATER 40/45/45

CLASS X 05/05/05

PROTON EVENTS 02/05/05

D. OTTAWA 10.7 CM FLUXES FOR 26/1400Z - 26/1700 AND 26/2000Z WERE 91, 91 AND 92 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 27-29 MAY IS 97/99/100.

E. MAGNETIC A-FREDERICKSBURG FOR 25 MAY WAS 07. FOR 26 ABOUT 09 PREDICTED AP FOR 27-29, 10/10/10.

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