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HAUS BOU 290500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 149A ISSUED 0500Z 29 MAY 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED. THE REGIONS S07W50 AND N13E63 HAVE PRODUCED ALL THE ACTIVITY. THE REGION S07W50 IS THE MOST INTERESTING DISK FEATURE. THE GEOMAGNETIC FIELD IS VERY QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL BECOME DISTURBED. A RECURRENT MAGNETIC STORM IS EXPECTED AND THE FOLLOWING DATA IS PRESENTED AS A 10 DAY FORECAST.

MAY 29 AP - 5, 30 AP - 5, 31 AP - 17, JUNE 1 AP - 8, 2 AP - 15, 3 AP - 37, 4 AP - 32, 5 AP - 15, 6 AP - 10, AND JUNE 7 AP - 5.

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

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HAUS BOU 292200

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 149B ISSUED 2200Z 29 MAY 1971

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

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST 17 HOURS. THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A NEAR CLASS-M SUB-NORMAL FLARE AT 29/1550Z IN THE REGION AT S07W62. REORGANIZATION OF THE PLAGE AND SPOTS HAS OCCURRED IN THE S07W62 REGION, AND NOW A RELATIVELY SIMPLE BIPOLAR MAGNETIC CONFIGURATION EXISTS. PENUMBRAL DEVELOPMENT IS IN PROGRESS IN THE TRAILING PART OF THE N12W11 REGION AND IN BOTH THE LEADING AND TRAILING SPOTS OF THE N11W02 GROUP. SOME INTERACTION IS APPARENT BETWEEN THESE TWO REGIONS, SINCE THE SEPARATION BETWEEN THEIR RESPECTIVE SPOT GROUPS PRESENTLY IS LESS THAN THREE DEGREES. THE REGIONS AT N14E53 AND N10E58 ARE RELATIVELY UNIMPRESSIVE. THE GEO-MAGNETIC FIELD IS RELATIVELY QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN NEAR THE PRESENT LEVEL DURING THE NEXT THREE DAYS. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED GRADUALLY DURING THE NEXT 48 HOURS. RECURRENT GEOMAGNETIC ACTIVITY IS EXPECTED DURING THE NEXT NINE DAYS AS FOLLOWS- MAY 30 AP-10, 31 AP-17, JUNE 1 AP-8, 2 AP-15, 3 AP-37, 4 AP-32, 5 AP-15, 6 AP-10, JUNE 7 AP-5.

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 70/65/65

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUXES FOR 29/1400Z, 29/1700Z AND 29/2000Z WERE 104, 106 AND 104 RESPECTIVELY.

E. MAGNETIC A-FREDERICKSBURG FOR 28 MAY WAS 02. FOR 29 MAY ABOUT 04. PREDICTED AP FOR 30 MAY-01 JUNE IS 10/17/8.

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