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HFUS BOU 240500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 175A ISSUED 0500Z 24 JUNE 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST SEVEN HOURS, AND ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED. MINOR SURGES HAVE BEEN OBSERVED AT SW11, WHERE A SMALL REGION IS PASSING OVER THE LIMB. DEVELOPMENT HAS CONTINUED IN THE NEW BIPOLAR STRUCTURE AT S21E02, WHERE A SIMPLE D-TYPE SPOT GROUP, ACTIVE ARCH FILAMENTS, AND BRIGHT PLAGE ARE NOW VISIBLE. MINOR ENHANCEMENTS HAVE BEEN OBSERVED IN THE CENTRAL PART OF THE PLAGE AT N10E07. OTHER REGIONS ARE UNIMPRESSIVE. RELATIVELY QUIET GEOMAGNETIC CONDITIONS HAVE PREVAILED DURING THE PAST SEVEN HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN QUIET WITH OCCASIONAL SHORT PERIODS OF UNSETTLED CONDITIONS.

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

CLASS M OR GREATER 10/10/10

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 242200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 175B ISSUED 2200Z 24 JUNE 1971

CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR FLARES HAVE BEEN PREDOMINANTLY PRODUCED BY THE N15E49 AND S21W05 REGIONS. THE SW HAS GROWN IN BOTH SPOTS AND PLAGE AND APPEARS TO BE FORMING ITSELF INTO A STABLE BIPOLAR. THIS REGION PRODUCED A BORDERLINE CLASS M FLARE AT 24/0527Z. THE NE REGION WHOSE LEADER SPOTS ARE SW OF THE TRAILERS HAS ALSO GROWN IN SPOTS AND PLAGE.

B. THE NE REGION IS EXPECTED TO GROW SEVERAL MORE DAYS AND POSSIBLY PRODUCE A FEW CLASS M FLARES. THE SW SHOULD ADD SOME SUB-FLARE ACTIVITY TO A GENERALLY LOW TO MODERATE LEVEL OF FLARES. IT IS BELIEVED THAT THIS REGION IS CLOSE TO ITS PEAK AND EXPECTED TO START DECAYING IN A DAY OR TWO. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME DISTURBED AROUND 27 JUNE.

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

CLASS M OR GREATER 30/40/50

CLASS X 02/02/05

PROTON EVENTS 02/02/05

D. OTTAWA 10.7 CM FLUXES FOR 24/1400Z - 24/1700Z AND 24/2000Z WERE 102, 102 AND 101 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 25-27 JUNE IS 105/108/110.

E. MAGNETIC A-FREDERICKSBURG FOR 23 JUNE WAS 07. FOR 24 JUNE ABOUT 08 PREDICTED AP FOR 25-27 JUNE, 09/12/16.

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