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HFUS BOU 260500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 177A ISSUED 0500Z 26 JUNE 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS. THE REGIONS ON THE VISIBLE DISK HAVE NOT PRODUCED ANY ENERGETIC FLARES BUT THE FREQUENCY OF CLASS C ACTIVITY HAS INCREASED. THE REGION N15E33 HAS BEEN THE MOST ACTIVE REGION AND HAS GROWN IN SIZE. THE ACTIVITY ON THE SE LIMB WOULD INDICATE AN ACTIVE REGION NEARING EAST LIMB APPEARANCE. THE MINOR MAGNETIC STORM CONTINUES.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE FROM THE SE LIMB AS REGION APPEARS AND FROM REGION N15E33. THE GEOMAGNETIC FIELD WILL CONTINUE TO BE DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 JUNE/0000Z ENDING 28 JUNE/2400Z  
CLASS M OR GREATER 55/60/60

CLASS X 05/05/10

PROTON EVENTS 02/02/05

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HFUS BOU 262200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 177B ISSUED 2200Z 26 JUNE 1971

OCCASIONAL CLASS C FLARES AND ONE OR TWO SMALL CLASS M FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATE LEVEL DURING THE PAST 17 HOURS. A CLASS M1 EVENT OF UNDETERMINED ORIGIN OCCURRED AT 26/1013Z, AND A CLASS M2 SUBNORMAL FLARE OCCURRED AT 26/1423Z IN THE NEW REGION AT S07E76. THIS NEW SOUTHEASTERN REGION CONTAINS A LARGE LEADER SPOT (AREA ABOUT 200 MILLIONTHS), A SCATTERED GROUP OF TRAILING SPOTS OF UNDETERMINED EXTENT, AND DYNAMIC-LOOKING PLAGE THAT MAY NOT BE COMPLETELY ON THE DISK YET. SEVERAL SMALL FLARES AND A VARIETY OF LIMB EVENTS (SURGES, SPRAYS, CORONAL RAIN, ARCHES, MOUNDS) HAVE BEEN OBSERVED NEAR THE S07E76 GROUP. VISUAL OBSERVATIONS SUGGEST THAT AN EXTENDED TRAILER SECTION OF THE S07-E76 REGION OR ANOTHER ACTIVE CENTER MAY LIE BEHIND THE LIMB NEAR SE10-15. SLIGHT DEVELOPMENT HAS OCCURRED IN THE BIPOLAR GROUPS AT N15E20 AND N14E10, AND SOME INTERACTION MAY BE TAKING PLACE BETWEEN THESE CLOSELY-SPACED REGIONS. A SMALL NEW BIPOLAR REGION HAS APPEARED AT N17E01. OTHER CENTERS ON THE DISK ARE STABLE AND RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC FIELD REMAINED ACTIVE DURING THE PAST 17 HOURS, WITH K-INDICES OF 3 AND 4 REPORTED BY MIDDLE-LATITUDE STATIONS FROM 26/0300Z TO 26/1200Z. DISTURBANCE DECREASED AFTER ABOUT 1200Z, BUT UNSETTLED CONDITIONS STILL PREVAIL.

B. SOLAR ACTIVITY PROBABLY WILL INCREASE SLIGHTLY DURING THE THREE-DAY FORECAST PERIOD. OCCASIONAL SMALL ENERGETIC EVENTS ARE EXPECTED AT S07E76. IF THE N15E20 AND N14E10 REGIONS BEGIN TO INTERACT CLOSELY, THE PROBABILITY OF ENERGETIC FLARE ACTIVITY IN THE INTERACTION ZONE WILL RISE CONSIDERABLY. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT UNSETTLED TO DISTURBED CONDITIONS DURING THE NEXT 72 HOURS.

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

CLASS M OR GREATER 60/65/70

CLASS X 05/05/10

PROTON EVENTS 02/02/05

D. OTTAWA 10.7 CM FLUXES FOR 26/1400Z, 26/1700Z, AND 26/2000Z WERE 116, 112 AND 112 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 27-29 JUNE IS 122/126/130.

E. MAGNETIC A-FREDERICKSBURG FOR 25 JUNE WAS 24. FOR 26 JUNE ABOUT 16 PREDICTED AP FOR 27-29 JUNE, 22/24/18.

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