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HFUS BOU 0505000

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186A ISSUED 0500Z 05 JULY 1971

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

A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL. THE FEW NON-ENERGETIC SUBFLARES WHICH HAVE BEEN OBSERVED HAVE BEEN SCATTERED AMONG THE MANY REGIONS ON THE DISK. THE REGION 159 (S09E83) THOUGH SMALL IS THE BRIGHTEST DISK FEATURE. THE REGION 148 (S12W23) IS STILL THE MOST INTERESTING DISK FEATURE. THE GEOMAGNETIC FIELD IS QUIET.

B. AN OCCASIONAL CLASS M FLARE FROM REGION 148 IS PROBABLE, AND CLASS C ACTIVITY WILL CONTINUE AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 JULY/0000Z ENDING 07 JULY/2400Z

CLASS M OR GREATER 70/60/50

CLASS X 10/10/05

PROTON EVENTS 10/05/05

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186B ISSUED 2200Z 05 JULY 1971

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

A. SOLAR ACTIVITY GENERALLY HAS REMAINED AT A LOW LEVEL DURING THE PAST 17 HOURS. THE ONLY ENERGETIC EVENT REPORTED CONSISTED OF A CLASS M1 SUBNORMAL FLARE AT 05/1656Z FROM THE NEW REGION 159 AT S07E68. REGION 159 CONTAINS A RUDIMENTARY E-TYPE SPOT GROUP ACCOMPANIED BY BRIGHT PLAGE, AND THIS ACTIVE CENTER SEEMS TO BE IN A RELATIVELY EARLY STAGE OF DEVELOPMENT. ANOTHER NEW REGION, 160, APPEARS SIMPLE AND PROBABLY CONSISTS OF ONLY A SINGLE SPOT AT S05E76. REGION 148 /S12W35/ HAS CONTINUED TO DECLINE, AND IT HAS PRODUCED ONLY A FEW NON-ENERGETIC SUBFLARES RECENTLY. A FEW SMALL SPOTS OF TRAILING POLARITY ARE STILL PRESENT NORTH OF THE MAIN LEADER IN GROUP 148. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 17 HOURS.

B. DURING THE NEXT 72 HOURS, REGION 148 IS EXPECTED TO CONTINUE ITS DECLINE, PERHAPS PRODUCING A CLASS M FLARE OR TWO BEFORE BECOMING INACTIVE. REGIONS 159 AND 160 PROBABLY WILL DEVELOP SOMEWHAT, BECOME MORE COMPLEX, AND PRODUCE SMALL SPORADIC SMALL CLASS M EVENTS. OTHER REGIONS ARE EXPECTED TO BE INACTIVE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET WITH OCCASIONAL UNSETTLED PERIODS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 JULY/0000Z ENDING 08 JULY/2400Z.

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10/

PROTON EVENTS 10/08/05

D. OTTAWA 10.7 CM FLUXES FOR 05/1400Z, 05/1700Z AND 05/2000Z WERE 129, 130 AND 128 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 06-08 JULY IS 130/130/130.

E. MAGNETIC A-FREDERICKSBURG FOR 04 JULY WAS 09. FOR 05 JULY ABOUT 08. PREDICTED AP FOR 06-08 JULY, 10/10/08.

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