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HFUS BOU 080500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 189A ISSUED 0500Z 08 JULY 1971

OCCASIONAL CLASS M FLARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS DROPPED OFF THE LAST FEW HOURS AS NO FLARES HAVE BEEN REPORTED. AN IMPORTANCE THREE ERUPTIVE PROMINENCE OCCURRED AROUND 08/0110Z LOCATION NW15 AND NO FLARE EFFECTS WERE FELT. REGION 159 /S07E39/ CONTINUES TO GROW IN SPOTS AND PLAGE WHILE REGION 148 /S12W64/ IS EXPERIENCING DECAY. OTHER REGIONS APPEAR RELATIVELY INSIGNIFICANT.

B. BOTH REGION 159 AND 148 ARE CAPABLE OF PRODUCING CLASS M FLARES DURING THE NEXT 72 HOURS. REGION 148 IS EXPECTED TO PRODUCE AT LEAST ONE ENERGETIC FLARE DURING ITS DECAY PERIOD BEFORE THE LIMB SHIELDS THIS ACTIVE CENTER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 JULY/0000Z ENDING 11 JULY/0000Z.

CLASS M OR GREATER 75/80/80

CLASS X 05/10/10

PROTON EVENTS 05/10/10

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HFUS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 189B ISSUED 2200Z 08 JULY 1971

ONE OR TWO SMALL CLASS M FLARES ARE ANTICIPATED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST SEVENTEEN HOURS, AND ONLY CLASS C FLARES HAVE BEEN REPORTED. REGION 148 (S12W74) HAS CONTINUED TO DECAY, AND SPOTS OF TRAILING POLARITY ARE NO LONGER VISIBLE. ACCORDING TO THE MOUNT WILSON OBSERVATORY'S MAGNETIC ANALYSIS, THE SPOTS IN REGION 159 (S07E29) FORM A BIPOLAR CONFIGURATION, WITH LEADING POLARITY IN THE NORTH-WEST AND TRAILING POLARITY IN THE SOUTH AND EAST. NEW SPOTS HAVE EMERGED RECENTLY IN REGION 159, AND PLAGE HAS DEVELOPED ALONG THE PORTION OF THE NEUTRAL LINE THAT RUNS EAST-WEST IN THE WESTERN SECTION OF THE REGION. OTHER CENTERS ARE RELATIVELY UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 17 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY AS REGION 159 DEVELOPS. REGION 148 MAY PRODUCE A FEW MINOR EVENTS BEFORE IT CROSSES THE WEST LIMB. QUIET GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT 24 HOUR PERIODS BEGINNING 09 JULY/0000Z ENDING 11 JULY/2400Z.

CLASS M OR GREATER 75/75/75

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 08/1400Z, 08/1700Z AND 08/2000Z WERE 112, 116 AND 109 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 09-11 IS 110/108/108.

E. MAGNETIC A-FREDERICKSBURG FOR 07 JULY WAS 03. FOR 08 JULY ABOUT 06 PREDICTED AP FOR 09-11 JULY, 06/06/06.

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