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HFUS BOU 070500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 188A ISSUED 0500Z 07 JULY 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL. A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED FROM REGIONS 159 (S07E55) AND 148 (S12W50). THE OTHER TWO DISK REGIONS HAVE BEEN QUIET. A NEW SMALL UNIMPRESSIVE PLAGE HAS ROTATED ON THE VISIBLE DISK AT S12. THE LIMBS ARE QUIET. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL BE QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 JULY/0000Z ENDING 10 JULY/0000Z

CLASS M OR GREATER 65/60/55

CLASS X 05/05/05

PROTON EVENTS 05/05/05

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HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 188B ISSUED 2200Z 07 JULY 1971

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

A. SOLAR ACTIVITY HAS INCREASED SLIGHTLY DURING THE PAST 17 HOURS. REGION 159 (S07E42) PRODUCED A CLASS M2 ONE-BRILLIANT FLARE AT 07/0538Z, AND REGION 148 (S12W60) PRODUCED A CLASS M1 ONE-NORMAL EVENT AT 07/1547Z. MINOR IONOSPHERIC EFFECTS AND SMALL RADIO BURSTS ACCOMPANIED BOTH OF THESE CLASS M FLARES. REGION 159 CONTAINS AN UNUSUAL SPOT GROUP THAT PROBABLY IS COMPOSED OF AT LEAST TWO BIPOLAR STRUCTURES. SLIGHT DEVELOPMENT HAS BEEN OBSERVED RECENTLY IN THE PLAGE OF REGION 159, WHERE A SOMEWHAT CONTORTED EAST-WEST-TRENDING NEUTRAL LINE IS VISIBLE. SSLOW GENERAL DECLINE HAS CONTINUED IN REGION 148. REGION 162, S12E76, IS A NEW ACTIVE CENTER CONTAINING A SMALL H-TYPE SPOT AND FLUCTUATING PLAGE. OTHER REGIONS ARE UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST SEVENTEEN HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW TO MODERATE LEVEL DURING THE NEXT 72 HOURS. THE DECAYING REGION 148 AND THE DEVELOPING REGION 159 PROBABLY WILL PRODUCE SPORADIC CLASS C EVENTS AND INFREQUENT SMALL CLASS M FLARES. QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 JULY/0000Z ENDING 10 JULY/2400Z.

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 07/1400Z, 07/1700Z AND 07/2000Z WERE 118, 118 AND 120 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 08-10 JULY IS 118/115/115.

E. MAGNETIC A-FREDERICKSBURG FOR 06 JULY WAS 09. FOR 07 JULY ABOUT 02 PREDICTED AP FOR 08-10 JULY, 06/06/06.

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