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HFUS BOU 150500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 227A ISSUED 0500Z 15 AUGUST 1971

INFREQUENT CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS DROPPED TO A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. MINOR SPOT GROWTH HAS OCCURRED IN REGION 230 (N14E42), AND A SMALL C-TYPE SPOT GROUP IS VISIBLE THERE NOW. FLUCTUATIONS HAVE BEEN OBSERVED IN THE TRAILING PLAGE OF REGION 221 (N15E30). SMALL SURGES ARE STILL BEING PRODUCED NEAR NE16, BUT NO SPOTS ARE VISIBLE THERE YET. OTHER DISK FEATURES ARE STABLE OR DECLINING. VERY QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST SEVEN HOURS.

B. DURING THE NEXT 72 HOURS, SOLAR ACTIVITY PROBABLY WILL CONSIST OF INFREQUENT CLASS C EVENTS. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN RELATIVELY QUIET WITH OCCASIONAL PERIODS OF UNSETTLED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 AUG/0000Z ENDING 17 AUG/2400Z

CLASS M OR GREATER 15/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 227B ISSUED 2200Z 15 AUG 1971

NO FLARES WITH ENERGETICS GREATER THAN CLASS C ARE EXPECTED.

A. AN ACTIVITY LEVEL REMINISCENT OF SUNSPOT MINIMUM CONDITIONS CONTINUES. THE NUMBER OF FLARES OBSERVED SINCE TODAY'S EARLIER MESSAGE HAS BEEN LESS THAN FIVE. ABOUT 10 SMALL SPOT GROUPS ARE CURRENTLY VISIBLE, AND SIX OF THESE ARE NO MORE THAN A TYPE REGIONS. THE MOST COMPLEX FEATURE IN TERMS OF HYDROGEN PLAGE AND MAGNETIC NEUTRAL LINE IS REGION 230 /N16E29/. IT IS THE ONLY GROUP GIVING EVIDENCE OF GROWTH DURING THE PAST 24 HOURS. FOR APPROXIMATELY SIX HOURS-BETWEEN 15/0900 AND 1600Z-UNSETTLED GEOMAGNETIC CONDITIONS PREVAILED. THE LOCAL MAGNETOMETERS HAVE SINCE RETURNED TO QUIET-DAY RESPONSES.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 AUG/0000Z ENDING 18 AUG/2400Z.

CLASS M OR GREATER 10/10/10

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 15/1400Z, 15/1700Z AND 15/2000Z WERE 95, 95 AND 94 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 16-18 AUGUST IS 92/92/94.

E. MAGNETIC A-FREDERICKSBURG FOR 14 AUG WAS 03. FOR 15 AUG ABOUT 04. PREDICTED AP FOR 16-18 AUGUST, 03/05/03.

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