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HAUS BOU 110500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 131A ISSUED 0500Z 11 MAY 1971

A FEW CLASS C FLARES ARE EXPECTED AND A CLASS M EVENT IS PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH A FEW NON-ENERGETIC SUBFLARES FROM THE REGION N13W51. ONLY MINOR CHANGE HAS BEEN NOTED IN THE REGION N13W51 DURING THE PAST 24 HOURS. THE FILAMENT WHICH IS PARTIALLY AROUND THE LEADER HAS NOT DEVELOPED. SMALL BSL ACTIVITY HAS CONTINUED AT ABOUT NE09. THE OTHER DISK FEATURES ARE STABLE AND QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT LEVEL WITH AT LEAST ONE CLASS M EVENT IN THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF DISTURBANCE STARTING 11/0900Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 MAY/0000Z ENDING 13 MAY/2400Z

CLASS M OR GREATER 75/80/95

CLASS X 15/20/35

PROTON EVENTS 15/20/35

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HAUS BOU 112200

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 131B ISSUED 2200Z 11 MAY 1971

CLASS C FLARES AT A FREQUENCY OF ABOUT ONE PER HOUR FROM THE LARGE DECLINING CENTER IN THE NW REPRESENT THE MOST SIGNIFICANT ACTIVITY EXPECTED DURING THE NEXT 24 HOURS.

A. THE BIPOLAR ACTIVE CENTER NEAR N13W67 HAS BEEN THE PRIME SOURCE OF NON-ENERGETIC SUBFLARES SINCE THE LAST MESSAGE BUT HAS FAILED TO GENERATE A SIGNIFICANT X-RAY EVENT. THIS CLASS/AREA E/810 REGION IS CURRENTLY IN ITS THIRD DAY OF DECLINE. NO ENERGETIC FLARES HAVE BEEN OBSERVED FROM ANY OF THE SIX REMAINING DISK FEATURES. HYDROGEN PLAGE FLUCTUATIONS WERE REPORTED EARLIER TODAY NOT ONLY FROM THE LEADING PORTION OF THE NW CENTER BUT TO THE NORTH OF THE EAST-WEST NEUTRAL LINE IN THE N07E11 STRUCTURE AND IN THE NEW SPOT GROUP JUST INSIDE THE EAST LIMB NEAR N06. MOREOVER, SPORADIC TYPE III BURSTS FOLLOWED BY STRONG DEKAMETRIC CONTINUUM BEGAN ABOUT 11/1800Z ACCCOMPANIED BY NO APPARENT INCREASE IN FLARE ACTIVITY; THE EMISSION DIMINISHED BY 2000Z. DESPITE THE SOMEWHAT FAVORABLE INDICATIONS EARLIER IN THE WEEK OF THE ONSET OF A RECURRENT MAGNETIC STORM, NO SUCH DISTURBANCE HAS OCCURRED. LOCAL K-INDICES ARE RUNNING ABOUT ONE OR TWO.

B. NO GEOMAGNETIC DISTURBANCE IS EXPECTED UNLESS A LARGE FLARE ERUPTS WITHIN THE NW COMPLEX SOMETIME DURING THE NEXT TWO DAYS. AS THE N13W67 REGION DECAYS FURTHER THE PROBABILITY FOR A REALLY ENERGETIC FLARE AND ACCOMPANYING PARTICLE EVENT MAY RISE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE DAYS BEGINNING 12 MAY/0000Z AND ENDING 14 MAY/0000Z.

CLASS M OR GREATER 80/95/95

CLASS X 20/35/35

PROTON EVENTS 30/40/40

D. OTTAWA 10.7 CM FLUXES FOR 11/1400, 1700, AND 2000Z WERE 133, 136, AND 139. PREDICTED 10.7 CM FLUX FOR 12-14 MAY IS 127/122/119.

E. MAGNETIC A-FREDERICKSBURG FOR 10 MAY WAS 09. FOR 11 MAY ABOUT 05. PREDICTED FOR 12-14 MAY, 05/08/06.

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