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HFUS BOU 020500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 153A ISSUED 0500Z 02 JUNE 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. POINT BRIGHTENINGS HAVE BEEN OBSERVED ALONG AN ACTIVE FILAMENT THAT RUNS THROUGH THE REGIONS AT N00E61 AND N07E57. AN UNIMPRESSIVE J-TYPE SPOT HAS BEEN OBSERVED AT S06E82, AND A NEW REGION IS DEVELOPING AT S21W35. SMALL SURGES HAVE BEEN OBSERVED AT SE06 AND AT SW20. DURING THE PAST SEVEN HOURS, THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS ASSOCIATED WITH AN INCREASE IN THE AVERAGE VELOCITY OF THE SOLAR WIND NEAR EARTH.

B. SOLAR ACTIVITY IS EXPECTED TO CONSIST OF SPORADIC CLASS C FLARES DURING THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME DISTURBED DURING THE NEXT 24 HOURS, AND DISTURBANCE PROBABLY WILL CONTINUE THROUGH 05 JUNE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JUNE/0000Z ENDING 04 JUNE/2400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 022240

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 153B ISSUED 2200Z 02 JUNE 1971

CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. THERE HAS BEEN NO SOLAR ACTIVITY OF SIGNIFICANCE REPORTED DURING THE PAST 24 HOURS. MOST OF THE PRESENT REGIONS ARE INACTIVE. THE REGION NOW AT N12W64 HAS DECREASED IN COMPLEXITY. THE REGION LOCATED AT N13W03 IS PRACTICALLY DISINTEGRATED. THE NEW REGION AT S05E72 SEEMS TO BE A STABLE REGION. IT IS A UNIPOLAR AREA OF THE H TYPE. THE GEOMAGNETIC FIELD CONTINUES TO EXHIBIT UNSETTLED CONDITIONS. PIONEER 6 REPORTS A DECREASE IN SOLAR WIND VELOCITY. THIS DECREASE HOWEVER WILL NOT EFFECT A SETTLING IN GEOMAGNETIC DISTURBANCE FOR SEVERAL DAYS.

B. DURING THE NEXT 72 HOURS SOLAR ACTIVITY IS EXPECTED TO CONSIST OF OCCASIONAL CLASS C FLARES. THE GEOMAGNETIC FIELD SHOULD BE DISTURBED DURING THE NEXT 24 HOURS. A HIGH PROBABILITY EXISTS THAT THIS DISTURBANCE WILL CONTINUE UNTIL 06 JUNE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 JUNE/0000Z ENDING 05 JUNE/2400Z.

CLASS M OR GREATER 25/30/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 02/1400Z 02/1700Z AND 02/2000Z WERE 103, 105 AND 104 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 03-05 JUNE IS 103/102/100.

E. MAGNETIC A-FREDERICKSBURG FOR 01 JUNE WAS 17. FOR 02 JUNE ABOUT 18. PREDICTED AP FOR 03-05 JUNE, 37/32/15.

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