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HFUS BOU 010500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 152A ISSUED 0500Z 01 JUNE 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. THE NON-ENERGETIC SUB-FLARES WHICH HAVE BEEN OBSERVED HAVE BEEN FROM SEVERAL DIFFERENT REGIONS. THE MOST ACTIVE REGION HAS BEEN THE NEW REGION NOOE80 WHERE SURGES AS WELL AS SUBFLARES HAVE BEEN OBSERVED. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO INCREASE SOMEWHAT WITH THE APPEAR-ANCE OF THE NEW REGION AT NOOE80. AN OCCASIONAL CLASS M FLARE IS PROBABLE FROM THIS NEW REGION. THE GEOMAGNETIC FIELD WILL BECOME DISTURBED AGAIN ON 02 JUNE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 JUNE/0000Z ENDING 03 JUNE/2400Z

CLASS M OR GREATER 70/50/45

CLASS X 05/02/02

PROTON EVENTS 05/02/02

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 152B ISSUED 2200Z 1 JUNE 1971

CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS, CONSISTING MOSTLY OF BRIGHT SURGES ON THE EAST LIMB. THE S03E66 REGION CONTAINS AN ACTIVE FILAMENT AND THE N07E62 REGION HAS BEEN EXHIBITING SOME PLAGE FLUCTUATIONS. OTHER REGIONS ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD BECAME UNSETLED AROUND 01/0800Z.

B. CLASS C FLARES IN LOW ABUNDANCE EXPECTED FROM THE NE AND SE REGIONS MENTIONED. ACCURATE MAGNETIC ANALYSIS FOR THESE REGIONS IS IMPOSSIBLE SO NEAR THE LIMB BUT STILL NO INDICATION OF MAGNETIC COMPLEXITIES EXISTS THEREFORE, NO MAJOR ACTIVITY IS EXPECTED THE NEXT 72 HOURS UNLESS UNFORESEEN RAPID DEVELOPMENT OCCURS. PIONEER SATELLITES INDICATE ANOTHER SECTOR BOUNDARY WHICH SHOULD KEEP THE GEOMAGNETIC FIELD ACTIVE THE NEXT 3 DAYS.

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

D. OTTAWA 10.7 CM FLUXES FOR 01/1400Z, 01/1700Z AND 01/2000Z WERE 109, 107 AND 106, RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 2-4 JUNE IS 110/111/112.

E. MAGNETIC A-FREDERICKSBURG FOR 31 MAY WAS 05. FOR 1 JUNE ABOUT 10. PREDICTED AP FOR 2-4 JUNE 12/18/24.

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