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HFUS BOU 040500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 155A ISSUED 0500Z 04 JUNE 1971

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

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST SEVEN HOURS. DEVELOPMENT HAS OCCURRED IN THE NEW REGION AT S03E39, AND A SMALL BIPOLAR SPOT GROUP IS NOW VISIBLE. A KINKED NEUTRAL LINE RUNS THROUGH THE PLAGE ASSOCIATED WITH THIS S03E39 GROUP, BUT THE REGION DOES NOT APPEAR DYNAMIC AT PRESENT. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. THE GEO-MAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST SEVEN HOURS.

B. DURING THE NEXT 72 HOURS, SOLAR ACTIVITY IS EXPECTED TO CONSIST PRIMARILY OF CLASS C SUBFLARES NEAR S03E39. LIMITED SOLAR WIND DATA FROM THE PIONEER 6 SATELLITE SUGGEST THAT UNSETTLED GEOMAGNETIC CONDITIONS MAY REDEVELOP DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 JUNE/0000Z ENDING 06 JUNE/2400Z.

CLASS M OR GREATER 25/30/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 042200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 155B ISSUED 2200Z 04 JUNE 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 24 HOURS, AND ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED.

OCCASIONAL SMALL SURGES HAVE BEEN OBSERVED NEAR NW10. THE REGION AT S03E27 IS THE MOST IMPRESSIVE DISK FEATURE, EXHIBITING FAINT ARCH FILAMENTS EMBEDDED IN FLUCTUATING PLAGE. BRIGHT PLAGE HAS BEEN OBSERVED IN THE TRAILING SECTION OF THE S05E46 REGION, BUT NO ASSOCIATED SPOTS ARE VISIBLE YET. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS DURING THE PAST 24 HOURS, AND THE LEVEL OF DISTURBANCE HAS DECREASED DURING THE PAST SIX HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO CONSIST OF OCCASIONAL CLASS C FLARES. MOST OF THESE FLARES PROBABLY WILL BE PRODUCED BY THE S03E27 REGION. QUIET GEOMAGNETIC CONDITIONS WITH SHORT PERIODS OF SLIGHT DISTURBANCE ARE ANTICIPATED DURING THE NEXT 24-48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 JUN/0000Z ENDING 07 JUN/2400Z

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 04/1400Z, 04/1700Z AND 04/2000Z WERE 107, 105 AND 103, RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 05-07 JUNE IS 106/107/106.

E. MAGNETIC A-FREDERICKSBURG FOR 03 JUNE WAS 17. FOR 04 JUNE ABOUT 08. PREDICTED AP FOR 05-07 JUNE 08/07/07.

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