

KBOU

HFUS BOU 030500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 154A ISSUED 0500Z 03 JUNE 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. DURING THE PAST SEVEN HOURS, SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL, AND NO FLARES HAVE BEEN REPORTED. REDEVELOPMENT IS IN PROGRESS AT N13W06, WHERE SPOT GROWTH AND AN ACTIVE FILAMENT HAVE BEEN OBSERVED RECENTLY. THE COMPLEX OF REGIONS NEAR NO0E47 HAS EXHIBITED BRIGHTENINGS NEAR THE CENTRAL BEND OF THE NEUTRAL LINE. NEW SPOT GROUPS HAVE BEEN OBSERVED AT N17W39, N05E27, AND S02E40. THE GEOMAGNETIC FIELD HAS BECOME DISTURBED DURING THE PAST THREE HOURS. A TOTAL VARIATION OF ABOUT 100 GAMMAS ON THE D-COMPONENT WAS OBSERVED DURING THE TIME INTERVAL 03/0230-0310Z, AND DISTURBANCE IS STILL IN PROGRESS.

B. SOLAR ACTIVITY IS EXPECTED TO CONSIST OF SPORADIC CLASS C FLARES DURING THE NEXT THREE DAYS. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN DISTURBED DURING THE NEXT 24 HOURS, AND UNSETTLED TO DISTURBED CONDITIONS ARE EXPECTED TO CONTINUE THROUGH 05 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

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HFUS BOU 032200

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 154B ISSUED 2200Z 03 JUNE 1971

INFREQUENT MINOR FLARES EXPECTED.

A. ONLY MINIMAL LEVELS OF CHROMOSPHERIC ACTIVITY HAVE BEEN OBSERVED-INCLUDING MINOR SURGE ACTIVITY AT NW10 AND SE03. THE REGION RETURNING ON THE SE WAS SIMPLE AND INSIGNIFICANT WHEN IT WENT OVER WEST LIMB AND IT APPARENTLY HAS NOT CHANGED MUCH. A NEW BIPOLAR STRUCTURE IS EMERGING AT S03E43. THE OTHER DISK REGIONS ARE DIFFUSE AND DECLINING. THE GEOMAGNETIC FIELD HAS HAD PERIODS WITH MID-LATITUDE BAY STRUCTURES BETWEEN 02/2300Z-03/0100Z, 03/0220Z-03/0440Z AND 03/0720Z-03/0800Z.

B. THE NEW S03E43 REGION LIES IN AN AREA OF OLD FIELD CONCENTRATION AND MAY PRODUCE OCCASIONAL SMALL FLARES RANGING TO NEAR-CLASS M AS IT DEVELOPS. THE GEOMAGNETIC FIELD WILL CONTINUE TO BE DISTURBED OVER 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

D. OTTAWA 10.7CM FLUXES FOR 03/1400Z, 03/1700Z AND 03/2000Z WERE 105, 105 AND 105 RESPECTIVELY.

PREDICTED 10.7CM FLUX FOR 04-06 JUNE IS 105/104/104.

E. MAGNETIC A-FREDERICKSBURG FOR 02 JUNE WAS 21. FOR 03 JUNE ABOUT 13. PREDICTED AP FOR 04-06 JUNE IS 18/15/12.

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