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KBOU HAUS BOU 200500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 140A ISSUED 0500Z 20 MAY 1971

ONLY CLASS C SOLAR ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST SEVEN HOURS, AND ONLY ONE CLASS C SUBFLARE HAS BEEN REPORTED. THIS SUBFLARE OCCURRED IN THE REGION AT N15E58, WHERE PLAGE DEVELOPMENT HAS OCCURRED IN THE TRAILING SECTION. THE SPOT GROUP OF THE N06W39 REGION HAS DECREASED IN AREA, BUT A KINK IS STILL VISIBLE IN THE NEUTRAL LINE. SMALL SURGES HAVE BEEN OBSERVED ON THE EAST LIMB NEAR NE20, SUGGESTING THAT A NEW REGION MAY LIE BEHIND THE LIMB AT THAT SITE. OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 7 HOURS.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 MAY/0000Z ENDING 22 MAY/2400Z.

CLASS M OR GREATER 40/40/35

CLASS X 02/02/02

PROTON EVENTS 05/05/02

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HAUS BOU 202200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 140B ISSUED 2200Z 20 MAY 1971

CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. THE N06W48 REGION PRODUCED A CLASS M2 FLARE AT 20/0605Z. THE FLARE HAD MINOR IONOSPHERIC DISTURBANCE ASSOCIATED WITH IT. ALL REGIONS APPEAR TO BE DECLINING OR UNCHANGED. A NEW REGION HAS EMERGED AT N12W01.

B. NO MAJOR SOLAR ACTIVITY EXPECTED THE NEXT 3 DAYS. ACTIVE LONGITUDES ARE RETURNING IN TWO DAYS THAT MIGHT RAISE THE LEVEL OF CLASS C FLARE ACTIVITY. PIONEER 9 SATELLITE IS RECORDING LARGE SOLAR WIND SPEED ENHANCEMENTS INDICATING AN ACTIVE REGION ON THE BACKSIDE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 MAY/0000Z ENDING 23 MAY/2400Z.

CLASS M OR GREATER 30/30/35

CLASS X 01/01/01

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 20/1400Z - 20/1700Z AND 20/2000Z WERE 104, 104 AND 104 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 21-23 MAY IS 102/100/100.

E. MAGNETIC A-FREDERICKSBURG FOR 19 MAY WAS 10. FOR 20 MAY ABOUT 05 PREDICTED AP FOR 21-23 MAY, 03/05/05.

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