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HFUS BOU 200500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 171A ISSUED 0500Z 20 JUNE 1971

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

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL. TWO NEW SPOT GROUPS HAVE DEVELOPED DURING THE PAST SEVEN HOURS, A SMALL B TYPE AT S20E56 AND AN A TYPE AT S11E11. ALL THE REGIONS ARE QUIET AND STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 JUNE/0000Z ENDING 22 JUNE/2400Z
CLASS M OR GREATER 10/10/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 202200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 171B ISSUED 2200Z 20 JUNE 1971

EVENTS NO MORE ENERGETIC THAN CLASS C ARE EXPECTED DURING THE
NEXT 24 HOURS.

A. OF THE ORDER OF 10 NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED
TODAY WITH THE MAJORITY OF THESE EVENTS CONFINED TO THE DEVELOPING
D TYPE GROUP NEAR N10E50. THIS BIPOLEAR FEATURE HAS AN AREA OF
ABOUT 50 MILLIONTHS, A SOMEWHAT DULL HYDROGEN PLAGE, AND AN UNCOM-
PLICATED MAGNETIC NEUTRAL LINE. FIVE OTHER RUDIMENTARY SPOT
GROUPS ARE VISIBLE, BUT THEIR ASSOCIATED CHROMOSPHERIC FACULAE LACK
BOTH SIZE AND DETAIL. EARLIER IN THE DAY AN ERUPTIVE PROMINENCE
AND SURGES WERE NOTED ALONG THE NE AND NW LIMBS NEAR N23 AND N30
RESPECTIVELY. NEGIGIBLE RADIO EMISSION AT CM WAVELENGTHS
ACCOMPANIED THE ACTIVITY.

B. ONLY THE N10E50 REGION HOLDS SOME PROMISE OF DEVELOPING INTO A
TRUELY ACTIVE CENTER, HOWEVER, THE INCREASE IN ACTIVITY IF IT DOES
INDEED OCCUR, IS EXPECTED TO BE MINOR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 21 JUNE/0000Z ENDING 23 JUNE/2400Z.

CLASS M OR GREATER 10/25/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 20 JUNE AT 1400, 1700 AND 2000Z
WERE 91, 91 AND 89 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 21-23 JUNE IS 95/94/92.

E. MAGNETIC A-FREDERICKSBURG FOR 19 JUNE WAS 02. FOR 20 JUNE
ABOUT 04. PREDICTED AP FOR 21-23 JUNE, 02/05/02.

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