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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145B ISSUED 2200Z MAY 24 1972

A. SOLAR ACTIVITY IS AT A MODERATE LEVEL. REGION 210/N08E80/
PRODUCED A 1B FLARE WITH ASSOCIATED MAJOR RADIO AND CLASS X5
XRAY BURSTS AT 24/0657Z AND SEVERAL SUBFLARES, ONE OF WHICH
ALSO PRODUCED A PROBABLE CLASS M X-RAY BURST AT 24/1745Z.

CONSIDERABLE LIMB ACTIVITY CONSISTING OF BSL'S, MOUNDS, AND
LOOPS ASSOCIATED WITH THIS REGION HAS BEEN OBSERVED AND
INDICATES THAT TRAILER SPOTS HAVE YET TO CROSS THE LIMB.

REGION 210 IS A NEW SPOT GROUP ON ITS FIRST TRANSIT OF THE
VISIBLE DISK. REGION 193/S13W54/ PRODUCED A 1F FLARE, BUT
OTHERWISE THE REMAINDER OF THE DISK WAS QUIET. THE GEOMAGNETIC
FIELD HAS BEEN UNSETTLED.

B. REGION 210 WILL CONTINUE TO PRODUCE SIGNIFICANT ACTIVITY.
ALL OTHER REGIONS WILL CONTINUE TO DECLINE, ALTHOUGH REGION
193 WILL REMAIN CAPABLE OF PRODUCING ENERGETIC ACTIVITY. THE
GEOMAGNETIC FIELD WILL CONTINUE UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 25 MAY/0000Z ENDING 27 MAY/2400Z.

CLASS M OR GREATER 70/65/60

CLASS X 10/05/05

PROTON EVENTS 05/01/01

D. OTTAWA 10.7 CM FLUXES FOR 24/1400Z, 24/1700Z AND 24/2000Z
WERE 131, 132 AND 132 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR
25-27 MAY IS 134/132/130.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MAY WAS 06. FOR 24 MAY
ABOUT 08 PREDICTED AP FOR 25-27 MAY, 014/018/015.

SOLTERWARN

SPAN

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