

NNNN

KBOU

HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 249 ISSUED 2200Z 05 SEP 1972

A. ACTIVITY DURING THE LAST 24 HOURS HAS BEEN CONFINED ENTIRELY TO THE WESTERN PORTION OF THE DISK. MOST ACTIVITY HAS OCCURRED IN REGION 378 /N15W25/ WHICH PRODUCED 3 SUB-FLARES AND TWO ONE NORMAL FLARES DURING THE LAST 12 HOURS.

A RELATIVELY STRAIGHT N-S NEUTRAL LINE RUNS THROUGH THE CENTER OF THE RELATIVELY BRIGHT PLAGE ASSOCIATED WITH THIS REGION WHICH HAS SHOWN SOME SLOW GROWTH IN BOTH WHITE LIGHT AND H ALPHA. REGION 393 /S07W83/ HAS PRODUCED 4 SUBFLARES AND OCCASIONAL SURGES HAVE BEEN NOTED AS THIS REGION APPROACHES THE LIMB. REGION 382 /S24W25/ PRODUCED A LARGE ONE NORMAL FLARE AT 1443Z ASSOCIATED WITH THE DISAPPEARANCE OF A LARGE FILAMENT IN THE AREA, BUT NO FURTHER ACTIVITY HAS BEEN ASSOCIATED WITH THIS REGION. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. MOST SOLAR ACTIVITY DURING THE FORECAST PERIOD SHOULD COME FROM REGION 378 /N15W25/ WHICH SHOULD CONTINUE TO PRODUCE A FEW CLASS C SUBFLARES WITH A CHANCE OF A CLASS M FLARE. DUE TO THE ABSENCE OF ANY COMPLEX MAGNETIC FIELD, HIGHER ENERGY EVENTS ARE NOT LIKELY. REGION 393 WILL BE ROTATING OVER THE WEST LIMB AND ALL OTHER REGIONS APPEAR STABLE OR DECLINING. THE GEOMAGNETIC FIELD SHOULD REMAIN QUIET.

C. EVENT PROBABILITIES 06 SEP/0000Z-08 SEP/2400Z

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

D. OTTAWA 10.7CM FLUX

OBSERVED 05 SEP/1700Z 120

PREDICTED 06 SEP-08 SEP 115-110-105

E. A-FREDERICKSBURG

OBSERVED 04 SEP 06

ESTIMATED 05 SEP 06

PREDICTED 06 SEP-08 SEP 06-06-06

SOLTERWARN

SPAN

BT