

NNNN

KBOU

HFUS BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 365 ISSUED 2200Z 31 DEC 1971

A LOW LEVEL OF ACTIVITY IS EXPECTED NEW YEARS DAY.

A. THE SUN HAS BEEN QUIET. SMALL SURGES HAVE CONTINUED AT SW12 AND A PROMINENCE LYING TO THE NORTH HAS BEEN INTERMITTENTLY ACTIVE CHROMOSPHERIC BRIGHTENINGS WERE SEEN IN REGIONS 402 /S07 W09/ AND 398 /N21 E19/, BUT SIGNIFICANT GROWTH HAS NOT OCCURRED. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. ONLY MINOR FLARES ARE EXPECTED - MOST LIKELY IN REGION 402, WHICH MAY PRODUCE A COUPLE OF FLARES UP TO SMALL CLASS M BEFORE WEST LIMB TRANSIT. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET JAN 2 AND 3 AND START TO BECOME DISTURBED ON JAN 4 WITH PASSAGE OF A LONG-LIVED SECTOR BOUNDARY THAT HAS PRODUCED ONLY SMALL DISTURBANCES DURING THE LAST SEVERAL ROTATIONS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JAN/0000Z ENDING 04 JAN/2400Z.

CLASS M OR GREATER 25/25/25

CLASS X 02/02/02

PROTON EVENT 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 31/1400Z 1700Z AND 2000Z WERE 111, 110 AND 109. PREDICTED 10.7 CM FLUXES FOR 02-04 JAN ARE 112/112/112.

E. MAGNETIC A-FREDERICKSBURG FOR 30 DEC WAS 14. FOR 31 DEC ABOUT 04. PREDICTED AP FOR 02-04 JAN ARE 02/02/04.

SOLTERWARN

SPAN

BT