

NNNN

KMSC

HAUS BOU 0400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 019A ISSUED 0400Z 19 JANUARY 1971

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN RATHER LOW DURING THE PAST 11 HOURS. THERE HAVE BEEN A FEW CLASS C FLARES AND ONE CLASS M1, A ONE NORMAL FLARE AT 18/1845Z IN REGION N19E32. THE REGIONS N19E32 AND N10E65 BOTH CONTAIN DELTA CONFIGURATIONS. THESE TWO REGIONS AND REGION S13E65 ARE BRIGHT AND SEEM QUITE ACTIVE. THE OTHER REGIONS ARE QUIET. A MINOR MAGNETIC STORM BEGAN WITH SMALL SUDDEN COMMENCEMENT AT 18/0901Z.

B. CLASS C FLARES AND OCCASIONAL CLASS M FLARES CAN BE EXPECTED FROM REGIONS N19E32, N10E65 AND S13E65. THE MINOR MAGNETIC STORM IS EXPECTED TO CONTINUE FOR 18-20 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 JAN/0400Z ENDING 22 JAN/0400Z

CLASS M OR GREATER 80/70/70

CLASS X 20/15/10

PROTON EVENTS 20/15/15

D. OTTAWA 10.7 CM FLUXES FOR 18/1700Z AND 18/2000Z WERE 166 AND 165 RESPECTIVELY.

SOLTERWARN

SPAN

BT

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 019B ISSUED 1700Z 19 JAN 1971
AN OCCASIONAL BORDERLINE CLASS M EXPECTED DURING THE NEXT 11
HOURS.

A. A MODERATE NUMBER OF SMALL FLARES HAVE OCCURRED IN THE
FOLLOWING REGIONS; N18E18, N12E54, N12W14 AND N17E76. THE N18E18
REGION HAS UNDERGONE SIMPLIFICATION BUT RETAINS BRIGHT PLAGE NORTH
OF THE MAIN LEADER. SEVERAL OF THE SMALLER DISK REGIONS HAVE
SHOWN MINOR DEVELOPEMENT. THE GEOMAGNETIC FIELD HAS BEEN ONLY SLIGHTLY
UNSETTLED SINCE 19/0400Z.

B. MODERATE TO LOW SOLAR ACTIVITY EXPECTED. THE N18E18 REGION IS
EXPECTED TO PRODUCE NOT MORE THAN TWO OR THREE CLASS M EVENTS/DAY.
NO CHANGE IN THE 018B GEOMAGNETIC FORECAST.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 19 JAN/1700Z ENDING 22 JAN/1700Z.

CLASS M OR GREATER 70/65/65

CLASS X 15/10/10

PROTON EVENTS 15/10/10

D. OTTAWA 10.7 CM FLUX FOR 19/1400Z WAS 173. PREDICTED 10.7 CM
FLUX FOR 20-22 JAN IS 176/178/180.

E. MAGNETIC A-FREDERICKSBURG FOR 18 JAN WAS 13. FOR 19 JAN ABOUT 12
PREDICTED AP FOR 20-22 JAN, 34/13/10.

SOLTERWARN