

NNNN0211

NNNN

KMSC

HAUS BOU 310215Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 582A ISSUED 0400Z 31 MARCH 1970

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

A. SOLAR ACTIVITY FROM THE VISIBLE DISK HAS BEEN VERY LOW
DURING THE PAST 11 HOURS. BSL ACTIVITY HAS BEEN QUITE FREQUENT
FROM BOTH THE NE AND SE LIMBS DURING THE DAY. PROTON PARTICLE
COUNT FROM THE ATS-1 SATELLITE HAS STARTED TO DECREASE. THE
GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. CLASS C AND CLASS M FLARES ARE PROBABLE FROM THE REGION
N15W65, OTHER REGIONS CLASS C ACTIVITY IS EXPECTED. DURING THE
NEXT 24 HOURS THE GEOMAGNETIC FIELD WILL BE FURTHER DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 31 MAR/0400Z ENDING 03 APR/0400Z.

CLASS M OR GREATER 80/80/80

CLASS X 15/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7CM FLUX FOR 30/1700Z AND 200Z WERE 150 AND 151
RESPECTIVELY.

SOLTERWARN

SPAN

BT

EONNNN1706

NNNN1706

NNNN1706

NNNN

KMSC

HAUS BOU 311707Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 582B ISSUED 1700Z 31 MARCH 1970

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATELY LOW LEVEL DURING THE PAST 13 HOURS. NO CLASS-M FLARES HAVE BEEN REPORTED SINCE THE LAST FORECAST REPORT. A BRIGHT REGION HAS ROTATED ONTO THE DISK NEAR S11E80; THIS REGION HAS APPROACHED FLARE BRIGHTNESS. THE REGION NEAR N16E80 CONTAINS TWO LARGE SPOTS AND HAS SHOWN FLUCTUATIONS IN PLAGE BRIGHTNESS. THE ATS-1 SATELLITE PARTICLE DETECTORS INDICATE A REDUCTION IN PROTON FLUX; THE 5-20 MEV CHANNEL IS INDICATING ABOUT 70 PARTICLES/CM²/SEC, AND THE 20-70 MEV CHANNEL IS INDICATING ABOUT 8 PARTICLES/CM²/SEC, WITH BOTH CHANNELS DECREASING. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED SINCE THE OCCURRENCE OF A SUDDEN STORM COMMENCEMENT AT 31/0529Z. THE DEEP RIVER NEUTRON MONITOR DECREASED ABOUT 2.5 PERCENT BETWEEN 31/0500Z AND 31/1000Z; COUNTING RATES PRESENTLY ARE SLOWLY RISING TO NORMAL.

B. CLASS-M FLARES ARE PROBABLE DURING THE NEXT TWENTY-FOUR HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 MAR/1700Z ENDING 03 APR/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 15/15/15

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 149. PREDICTED 152/155/158.

E. MAGNETIC A-FREDERICKSBURG FOR 30 MARCH WAS 13. FOR 31 MARCH ABOUT 40 PREDICTED AP FOR 01-03 APRIL, 40/15/15.

SOLTERWARN

SPAN

BT