

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 219A ISSUED 1430Z 06 AUG 1972

A. FLARE ACTIVITY HAS BEEN RELATIVELY LOW SINCE OUR 05/2200Z
MESSAGE. THE PROTON EVENT IS STILL IN PROGRESS WITH THE ATS-1
SATELLITE OBSERVING 2,700 PARTICLES PER SQ CM-SEC IN THE
5-21 MEV RANGE AND 300 PARTICLES IN THE 21-70 RANGE. THE
MAJOR DISTURBANCE IN THE GEOMAGNETIC FIELD APPEARS TO BE
SUBSIDING.

B. REGION 331 IS EXPECTED TO PRODUCE ENERGETIC FLARES DURING
THE FORECAST PERIOD. THE GEOMAGNETIC FIELD WILL BE ACTIVE
DURING THE NEXT 36-48 HOURS.

C. EVENT PROBABILITIES 06 AUG/1400Z - 08 AUG/1400Z

CLASS M 90/85/80

CLASS X 35/30/25

PROTON 35/30/30

E. A-FREDERICKSBURG

PREDICTED 06 AUG - 08 AUG 45 - 20 - 12

SOLTERWARN

NNNN

KBOU

HFUS BOU 062210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219B ISSUED 2200Z 06 AUG 1972

A. SOLAR ACTIVITY SINCE OUR 05/2200Z MESSAGE HAS BEEN LIMITED TO SUB-FLARES, PRIMARILY FROM REGION 331 /N14W26/. THIS LARGE REGION REMAINS COMPLEX AND EMBEDDED NEUTRAL LINE FILAMENTS ARE ACTIVE. REGIONS 337 /S03W42/ AND 341 /S07W34/ ARE DEVELOPING SLOWLY. THE PROTON EVENT CONTINUES WITH ATS-1 COUNTING RATES NEAR 2,000 PARTICLES IN THE 5-21 MEV RANGE AND NEAR 600 PARTICLES IN THE 21-70 RANGE. THE MAJOR GEO-MAGNETIC STORM BEGAN TO SUBSIDE NEAR 06/0900Z. CONDITIONS DURING THE PAST SEVERAL HOURS HAVE BEEN FLUCTUATING BETWEEN ACTIVE AND UNSETTLED.

B. A GRADUAL DECLINE OF GEOMAGNETIC ACTIVITY IS EXPECTED DURING THE FORECAST PERIOD. REGION 331 IS EXPECTED TO PRODUCE A FEW ENERGETIC EVENTS DURING THE NEXT 72 HOURS.

C. EVENT PROBABILITIES 07 AUG/0000Z-09 AUG/2400Z

CLASS M 80/75/75

CLASS X 30/25/25

PROTON 30/30/30

D. OTTAWA 10.7 CM FLUX

OBSERVED 06 AUG/1700Z 139

PREDICTED 07 AUG-09 AUG 136-132-128

E. A-FREDERICKSBURG

OBSERVED 05 AUG 139

ESTIMATED 06 AUG 44

PREDICTED 07 AUG-09 AUG 15-12-10

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