

KMSC
PP KGFF
DE BOU 030400Z
THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 434A ISSUED 0400Z 03 NOVEMBER 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 13 HOURS.

A. THE PROTON EVENT REPORTED IN SDF 433B IS STILL IN PROGRESS. ATS-1
SATELLITE DETECTOR FOR 21-70 MEV INDICATES MAXIMUM REACHED AT
02/2150Z. THE 5-21 MEV DETECTOR IS STILL READING HIGH LEVELS OF
PROTONS. EXTREMELY BRIGHT GREEN AND YELLOW CORONAL EMISSION WAS
REPORTED AT THE EAST LIMB BY SACRAMENTO PEAK. THE PROTON EVENT SHOULD
CONTINUE FOR ANOTHER 6 TO 8 HOURS. THE MAGNETIC FIELD IS SLIGHTLY
DISTURBED.

B. WITH THE REGION RETURNING ON THE EAST LIMB, SOLAR ACTIVITY SHOULD
INCREASE. NO MAJOR MAGNETIC STORM IS PREDICTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 03/0400Z ENDING 06/0400Z.

CLASS M OR GREATER 20/20/20

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX 02/1700Z AND 2000Z WERE 141 AND 136
RESPECTIVELY

SOLTERWARN

BT

NNNNNNNNNN

DE BOU 031710Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 434B ISSUED 1700Z 03 NOV 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY IS AT A LOW LEVEL, BUT ACTIVITY SHOULD BE INCREASING AS A NEW REGION ROTATES INTO THE DISK AT N23. THIS REGION IS TOO CLOSE TO THE EL FOR ACCURATE EVALUATION. BSL'S HAVE BEEN OBSERVED AT N09EL. THIS HAS BEEN THE LOCATION OF BRIGHT YELLOW CORONAL EMISSION (5694A). THE PCA IS DECLINING GRADUALLY WITH THULE 30 MHZ RIOMETERS SHOWING A 3-4 DB ABSORPTION AT 03/1515Z. THE ATS SATELLITE AT 03/1645Z SHOWS 1,520 PARTICLES CM-2 SEC-1 IN THE 3-20 MEV RANGE AND 240 PARTICLES CM-2 SEC-1 IN THE 20-70 MEV RANGE. THE GEOMAGNETIC FIELD IS DISTURBED.

B. THE N23EL REGION SHOULD BE WATCHED FOR POSSIBLE CLASS M ACTIVITY, WITHIN 72 HOURS. ONLY CLASS C FLARE SHOULD OCCUR FROM THE REMAINING SMALL REGIONS ON THE DISK. THE PCA WILL CONTINUE TO DECLINE AND SHOULD END 24 HOURS FROM NOW. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAINED DISTURBED DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03/1700Z ENDING 06/1700Z.

CLASS M OR GREATER 20/25/30

CLASS X 05/05/05

PRPTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z IS 132. PREDICTED 130/135/143.

E. MAGNETIC A-FREDERICKSBURG FOR 02 NOV WAS 10. FOR 03 NOV ABOUT 16 PREDICTED AP FOR 4-6 NOV 15/20/15.

F. KP ESTIMATED FOR 1200-1500Z WAS 2. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 2/2/2/2/2/2/2/2/2.

SOLTERWARN

BT