

NNNNUUUV
PP KGFF
DE BOU 231710Z
HERE IS THE MSG FOR PEFIE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 289A ISSUED 1700Z 23 MARCH 1969

CLASS X FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. CLASS M FLARES OCCURRED 23/0250Z, IMPORTANCE ONE BRIGHT,
AND 23/0746Z, IMPORTANCE ONE NORMAL, IN THE REGIONS NEAR
N20W23 AND N21W13 RESPECTIVELY. THE SECOND EVENT HAD THREE
OPTICAL MAXIMA AND A DURATION OF 146 MINUTES. THE ABOVE PAIR OF
REGIONS REMAIN THE MOST IMPRESSIVE DISK FEATURES AND ARE CONSIDERED
TO BE CAPABLE OF PRODUCING FURTHER MAJOR ACTIVITY. THE TWO LARGE
SPOTS IN THE REGION NEAR N21W13 ARE NOW JOINED BY A THIN PENUMBRAL
BRIDGE. THE PLAGE HERE REMAINS BRIGHT AND COMPACT AND CONTAINS
EMBEDDED FILAMENTS. THE PLAGE ASSOCIATED WITH THE REGION NEAR
S30W02 HAS BRIGHTENED SLIGHTLY AND ADDITIONAL SPOT GROWTH HAS
TAKEN PLACE. A DARK FILAMENT IS REPORTED FORMING IN THIS REGION.
A NEW BRIGHT PLAGE HAS ROTATED ONTO THE DISK NEAR S20E80. FLARES
AND SURGES HAVE BEEN OBSERVED IN THE REGION BUT NO SPOTS HAVE
BEEN REPORTED. ADDITIONAL IMPORTANCE ONE FLARES WERE REPORTED
AT 23/0958Z, ONE FAINT, S15E85; 23/1038Z, ONE BRIGHT, N15W10;
AND 23/0018Z, ONE BRIGHT, S32E02. THE GEOMAGNETIC FIELD HAS
BEEN QUIET THE PAST 18 HOURS.

B. CLASS M AND X FLARES ARE EXPECTED DURING THE NEXT THREE
DAYS FROM THE REGION NOW NEAR N21W13. CLASS M FLARES ARE POSSIBLE
FROM THE REGIONS NEAR S30W02 AND N12W40.

FORECASTS FOR 24-26 MARCH

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUX TODAY IS 214. PREDICTED 212/210/210.

E. N/A.

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.

SOLTERWARN

BT

UUV
PP KGFF
DE BOU 232300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 209B ISSUED 2300Z 23 MARCH 1969.

CLASS X FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. NO SIGNIFICANT CHANGES IN DISK FEATURES HAVE BEEN REPORTED THE
PAST 6 HOURS. AS MENTIONED IN SDF 209A, THE LARGE UMBRAE IN THE
REGION NEAR N21W13 ARE NOW CONTAINED WITHIN ONE LARGE PENUMBRA.

SAC PEAK OBSERVATORY NOW GIVES THIS REGION A CLASS/AREA OF F/1240
WITH 64 INDIVIDUAL SPOTS INCLUDED WITHIN THE GROUP. MOUNT WILSON
CONFIRMS THAT THE REGION CONTAINS A MAGNETIC DELTA CONFIGURATION.

MAJOR FLARES ARE ANTICIPATED IN THIS REGION DURING THE NEXT 18
HOURS. MINOR FLARES, INCLUDING AN IMP ONE NORMAL AT 1625Z, HAVE
BEEN REPORTED IN THE REGION NEAR S37W02. CLASS M FLARES ARE POSSIBLE
FROM THIS REGION. A GEOMAGNETIC STORM, SO FAR OF MINOR INTENSITY,
BEGAN WITH A SUDDEN COMMENCEMENT AT ABOUT 23/1825Z. THE STORM IS
EXPECTED TO INTENSIFY IN 6 TO 12 HOURS AND THE GEOMAGNETIC FIELD
IS EXPECTED TO REMAIN DISTURBED FOR ABOUT 48 HOURS.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 209A.

E. MAGNETIC A-FREDERICKSBURG FOR 22 MAR WAS 11. FOR 23 MAR ABOUT 13.
PREDICTED AP FOR 24-26 MAR 35-20-15.

BT