

NNNNUUUV
PP KGFF
DE BOU 161710Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 202A ISSUED 1700Z 16 MARCH 1969.

INFREQUENT CLASS M FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. SPORADIC CLASS C FLARES HAVE BEEN REPORTED DURING THE PAST 18 HOURS. THE SPOT GROUP IN THE REGION NEAR N22W07 HAS GROWN RAPIDLY TO A D-TYPE WITH STRONG UMBRA. DARK FIBRILLE STRUCTURE IS EMBEDDED IN THE ASSOCIATED PLAGE. THE PLAGE ASSOCIATED WITH THE REGION NEAR S16E10 HAS DECAYED SLIGHTLY AND IS NOW MORE SCATTERED. IN THE NORTHEAST THE COMPLEX OF CLOSELY SPACED REGIONS CONTINUES TO ROTATE ONTO THE DISK AND SPOT GROUPS NOW EXTEND FROM NEAR N17E39 TO THE EAST LIMB. AN ACTIVE DARK FILAMENT IS EMBEDDED IN THE PLAGE OF THE REGION NEAR N17E39 AND MINOR SPOT GROWTH HAS OCCURRED HERE. AN E-TYPE REGION IS NOW VISIBLE NEAR N20E70 AND FREQUENT SURGES BEHIND THIS REGION INDICATE THAT MORE WILL FOLLOW. POSSIBLE IMPORTANCE 2 LOOPS WERE REPORTED IN PROGRESS AT 1155Z NEAR NE15. IN THE SOUTHEAST A LARGE J-TYPE SPOT HAS ROTATED ONTO THE DISK AND IS NOW LOCATED NEAR S14E77. SURGE ACTIVITY IS ALSO REPORTED EAST OF THIS GROUP. IMPORTANCE 1 F FLARES WERE REPORTED NEAR N20 EAST LIMB AT 16/0120Z, ONE BRIGHT, AND 16/0252Z, ONE FAINT. THE GEOMAGNETIC FIELD WAS SLIGHTLY DISTURBED DURING THE PAST 18 HOURS.

N→ B. INFREQUENT CLASS M FLARES ARE EXPECTED DURING THE NEXT 3 DAYS FROM THE COMPLEX OF REGIONS IN THE NE AND THE REGIONS NEAR S22W07, S16E10, AND N14E11. CLASS X EVENTS MUST BE CONSIDERED POSSIBLE UNTIL THE NE COMPLEX ROTATES COMPLETELY ONTO THE DISK AND FULL EVALUATION OF ITS POTENTIAL IS POSSIBLE.

FORECASTS FOR 17-19 MARCH

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
CLASS M OR GREATER 60/70/70

CLASS X 5/5/5

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY IS 177. PREDICTED 185/190/190.

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

NNNNUUUV
PP KGFF
DE BOU 162300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 202B ISSUED 2300Z 16 MARCH 1969
CLASS M FLARES ARE EXPECTED, AND CLASS X FLARES ARE POSSIBLE,
DURING THE NEXT 18 HOURS.

A. SMALL CLASS M FLARES WERE OBSERVED 16/1930Z, IMP SUB NORMAL,
FROM THE REGION NEAR N17E39 AND 16/2111Z, IMP ONE BRIGHT, FROM
THAT NEAR N22W08. THE FIRST EVENT WAS ONLY marginally CLASS M.
SPOT GROWTH HAS OCCURRED IN THE REGIONS NEAR N17E39 AND N14E11.
THE REGIONS FROM NEAR N13E50 TO EL, ESPECIALLY THAT NEAR N22E70
AND ONE JUST EAST OF THIS, SHOW BRIGHT, COMPACT PLAGE WITH EM-
BEDDED FILAMENTS. ADDITIONAL GROWTH IS EXPECTED IN THESE REGIONS.
TRAILING SPOTS ARE NOW VISIBLE EAST OF THE J SPOT NEAR S14E77.
A SMALL, COMPACT, FLARE BRIGHT PLAGE WITH A POSSIBLE A-TYPE SPOT
GROUP IS REPORTED CROSSING THE EAST LIMB NEAR S30. SURGES CONTINUE
ON THE EAST LIMB NEAR N15.

B. CLASS M FLARES ARE EXPECTED DURING THE NEXT 3 DAYS FROM THE
REGIONS NEAR N22E80, N22E70, N13E50. CLASS M EVENTS ARE POSSIBLE
FROM REGIONS NEAR N17E39, N22W08, AND S14E77. CLASS X FLARES ARE
POSSIBLE FROM THE NE22 GROUP OF REGIONS AND PROTONS ARE POSSIBLE
FROM MAJOR EVENTS IN THESE REGIONS.

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
CLASS M OR GREATER 90/90/90
CLASS X OR GREATER 30/30/30
PROTON EVENTS 20/20/20

SECTION D REMAINS UNCHANGED FROM SDF 202A.

E. MAGNETIC A-FREDERICKSBURG FOR 15 MAR WAS 19. FOR 16 MAR ABOUT 14.
PREDICTED AP FOR 17-19 MAR 12/12/10.
BT

NNNNUUUV