

ATTN C KAPPLER ROOM 780D

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 326 A ISSUED 1700Z 18 JULY 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 6 HOURS

A. HIGHLIGHTS FOR THE PERIOD 10-17 JULY 1969

SOLAR ACTIVITY WAS AT A VERY LOW LEVEL THROUGHOUT THE PERIOD. A REGION NOW NEAR N21W55 /L009/ PRODUCED SMALL CLASS M FLARES AT 14/1431Z /IMP 1B/ AND 14/1720Z /IMP SN/. THIS REGION, FIRST OBSERVED ON 12 JULY, GREW QUITE RAPIDLY TO A D-TYPE SPOT GROUP WITH A BRIGHT AND FAIRLY COMPACT PLAGE ON 13 JULY. THE REGION IS CURRENTLY DECAYING IN BOTH WHITE LIGHT AND H-ALPHA. A REGION CURRENTLY NEAR N14E77 /L237/, WHICH CONTAINED AN A-TYPE SPOT GROUP ON WEST LIMB PASSAGE ON 2 JULY, RETURNED TO THE EAST LIMB ON 16 JULY AS AN E-TYPE SPOT GROUP OF UNUSUAL CONFIGURATION. THE PLAGE ASSOCIATED WITH THIS GROUP IS CURRENTLY SMALL AND OF NORMAL INTENSITY. THE GEOMAGNETIC FIELD WAS QUIET EXCEPT FOR PERIODS OF MINOR DISTURBANCE ON 12-14 AND 16 JULY.

B. FORECAST FOR THE WEEK 18-25 JULY 1969

SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL. CLASS M EVENTS ARE EXPECTED TO BE INFREQUENT AND SMALL. THE POTENTIAL OF THE REGION NEAR N12E77 /L237/ CANNOT BE ADEQUATELY EVALUATED UNTIL IT GETS FARTHER ONTO THE DISK, BUT PLAGE DEVELOPMENT IS THOUGHT NECESSARY BEFORE THIS REGION CAN PRODUCE SIGNIFICANT ACTIVITY. NO MAJOR REGIONS ARE EXPECTED TO RETURN.

28-DAY FORECAST FOR 18 JULY - 15 AUGUST 1969

ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE BEST POSSIBILITY FOR ENHANCED ACTIVITY APPEARS TO BE THE PERIOD 28 JULY - 08 AUGUST DURING THE RETURN OF THE S15L094 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18/1700Z ENDING 21/1700Z.

CLASS M OR GREATER 30/30/40

CLASS X 5/5/10

PROTON EVENTS 5/5/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 117. PREDICTED 118/120/125.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 0. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 1/1/1/1/1/1/1/1.

SOLTERWARN

BT

END+

NBC NYK

VKMSC
PP KGFF

DE BOU 181700Z

HERE IS THE MSG FOR REFILE

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C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 18/1700Z ENDING 21/1700Z.

CLASS M OR GREATER 30/30/40

CLASS X 5/5/10

PROTON EVENTS 5/5/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 117. PREDICTED 118/120/125.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 0. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 1/1/1/1/1/1/1/1.

SOLTERWARN

BT

NNNN
VKMSC PP KGFF
DE BOU 182300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 326B ISSUED 2300Z 18 JULY 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. ACTIVITY REMAINS AT A VERY LOW LEVEL. AN IMP ONE FAINT FLARE WAS OBSERVED NEAR S17W80 AT 18/1647Z. THE REGION NEAR N26W08, WHICH HAS SHOWN RAPID GROWTH THE PAST 36 HOURS, IS CURRENTLY THE BRIGHTEST DISK FEATURE. ADDITIONAL GROWTH IS ANTICIPATED IN THIS REGION, BUT IT IS EXPECTED TO PRODUCE ONLY MINOR ACTIVITY. THE REGION NEAR N13E63 REMAINS UNCHANGED IN WHITE LIGHT BUT IS SLOWLY GROWING IN H-ALPHA. THE PLAGE IS BRIGHTER AND FLUCTUATING AND NOW CONTAINS A BUSHY FILAMENT WHICH HAS BEEN RELATIVELY INACTIVE. THIS REGION IS INCREASING IN POTENTIAL AND COULD PRODUCE MODERATE-SIZED CLASS M EVENTS IN ANOTHER 24 HOURS, BUT MAJOR EVENTS ARE NOT EXPECTED. THE GEOMAGNETIC FIELD IS QUIET.

SECTION B REMAINS UNCHANGED FROM SDF 326A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 JUL/2300Z ENDING 21/2300Z.

CLASS M OR GREATER 40/50/50

CLASS X 05/05/10

PROTON EVENTS 05/05/10

D. OTTAWA 10.7 CM FLUX AT 1700Z TODAY WAS 116.

E. MAGNETIC A-FREDERICKSBURG FOR 17 JULY WAS 04. FOR 18 JULY ABOUT 04. PREDICTED AP FOR 19-21 JULY LESS THAN 10.

BT