

NNNNUUUV

PP KGFF

DE BOU 131715Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 291A ISSUED 1700Z 13 JUNE 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT SIX HOURS WITH CLASS X EVENTS POSSIBLE

A. HIGHLIGHTS FOR THE PERIOD 06 JUNE-12 JUNE 1969

SOLAR ACTIVITY REMAINED AT A HIGH LEVEL THROUGHOUT THE WEEK WITH MAJOR ACTIVITY COMING FROM THE S14L089 REGION. CLASS X EVENTS WERE OBSERVED FROM THIS REGION ON 06/0947Z /1B/, 07/0017Z /1N/, AND 07/0307Z /SB/. CLASS M FLARES WERE OBSERVED ON 06/0432Z /SN/, 06/0455Z /1N/, 06/0600Z /1N/, 06/2353Z /SB/, 07/0743Z /1N/, 08/0155Z /SN/, AND 11/0140Z /1N/. FROM 08 JUNE THROUGH 12 JUNE, ACTIVITY DIMINISHED TO NUMEROUS SUBFLARES AND SMALL IMPORTANCE ONE FLARES. THE F-TYPE SUNSPOT GROUP CURRENTLY SHOWS AN AREA OF 1480 MILLIONTHS, SHOWS STRONG FIBRIL AND DARK UMBRAL FEATURES IN H-ALPHA, MODERATELY BRIGHT PLAGE, AND A VERY HOT 9.1 CM RADIO NOISE SOURCE. MAJOR ACTIVITY WAS ALSO OBSERVED SCATTERED THROUGHOUT THE NORTH-CENTRAL MERIDIAN REGIONS AT N10L12Z ON 06/1604Z /CLASS X, 2N/, AT N10L097 ON 07/0945Z /CLASS M, 2N/, AT N10L084 ON 08/0748Z /CLASS M, 1B/, AND AT N09L092 ON 11/1615Z /CLASS X, 2B/. THIS COMPLEX OF REGIONS SHOWS JOINT PLAGE AREAS WITH CIRCULAR, DARK FILAMENTS ALONG THE NEUTRAL LINE IN THE N09L092 REGION WHERE THE 2B FLARE OCCURRED. A SATELLITE ENHANCEMENT OF LOW ENERGY PROTONS WAS OBSERVED FROM 08/0000Z TO 10/0000Z. THULE RIOMETERS SHOWED A MAXIMUM ABSORPTION OF 2.0 DB AT 08/2100Z. AN ADDITIONAL SATELLITE ENHANCEMENT OF LOW ENERGY PROTONS WAS OBSERVED FOLLOWING THE 2B FLARE /11/1617Z/ AT 11/2230Z. THE GEOMAGNETIC FIELD WAS DISTURBED ON 08 JUNE. THE 10 CM SOLAR FLUX REACHED A MAXIMUM VALUE OF 258 F. U. AT 11/1700Z.

B. FORECAST FOR THE WEEK 14-19 JUNE 1969

MAJOR ACTIVITY IS EXPECTED TO CONTINUE FROM THE N09-18L110-060 AND S14L089 REGIONS INTERMITTENTLY THROUGHOUT THE WEEK.

28-DAY FORECAST FOR 14 JUNE-12 JULY 1969

SOLAR ACTIVITY SHOULD DECREASE AFTER 17 JUNE AS THE ACTIVE CENTERS ROTATE OFF THE WEST LIMB.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13/1700Z ENDING 16/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 70/70/60

PROTON EVENTS 40/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS . PREDICTED 215/205/195.

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

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HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 291B ISSUED 2300Z 13 JUNE 1969  
CLASS M FLARES ARE EXPECTED WITH CLASS X EVENTS POSSIBLE DURING  
THE NEXT 18 HOURS.

A. AN IMPORTANCE 2N FLARE REACHED MAXIMUM AT 13/1621Z AFTER  
BEGINNING AS AN IMPORTANCE 1N FLARE AT 13/1545Z AT S27E72. A  
BSD ACCCOMPANIED THIS FLARE, HOWEVER, THE SIMPLE TYPE THREE RADIO  
BURST WAS SMALL AND THE FLARE WAS CLASSIFIED AS CLASS C. WHILE  
THIS FLARE WAS STILL IN PROGRESS, A CLASS M EPL, IMPORTANCE 3,  
OCCURRED AT 13/1650Z AT NE14. THE REGION AT N12W48 APPEARS TO BE  
REJUVENATED BY FORMING A DARK FILAMENT IN THE SAME REGION WHERE  
THE 2B FLARE OF 13/1617Z OCCURRED. THE SPOT STRUCTURE AT S14W47  
IS SLOWLY BREAKING UP, BUT MODERATELY BRIGHT PLAGE HAS BEEN  
ADDED NORTH OF THE LARGE UMBRA. THE GEOMAGNETIC FIELD IS QUIET.  
B. PARTS B, C, AND D REMAIN UNCHANGED FROM SDF 291A.  
E. MAGNETIC A-FREDERICKSBURG FOR 12 JUNE WAS 14. FOR 13 JUNE  
ABOUT 11. PREDICTED AP FOR 14-16 JUNE, 15/12/10.

SOLTEPWARN  
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