

PP KGFF

DE BOU 241700Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 906A ISSUE 1700Z MAY 24 CMMA 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE WEEK MAY 16-24 CMMA 1968 CLN

THE LARGEST OPTICAL EVENTS OBSERVED DURING THIS PERIOD WERE THREE IMPORTANCE 1B FLARES FROM TWO REGIONS NOW CENTERED NEAR S15W22 AND S29W47. FLARES OCCURRED AT 19/0359 CMMA 1227 CMMA AND 23/0837 UT. MODERATE-STRENGTH DECIMETER AND STRONG METER-WAVELENGTH NOISE BURSTS WERE OBSERVED ONLY DURING THE 19/1227Z EVENT. ALL THREE FLARES LACKED X-RAY EMISSION. BOTH OF THESE SPOT GROUPS APPEARED TO BE OF A SIMPLE BIPOLAR CONFIGURATION AND AVERAGED 500 MILLIONTHS EACH IN AREA. FOR THE PAST SIX DAYS A MODERATELY INTENSE DEKAMETRIC CONTINUUM HAS BEEN RECORDED IN CONJUNCTION WITH THE CENTRAL MERIDIAN PASSAGE OF THE S29W47 REGION. THE EARTH'S MAGNETIC FIELD REMAINED SLIGHTLY DISTURBED THROUGHOUT THE ENTIRE PERIOD.

B. FORECAST FOR THE WEEK MAY 25-31 CMMA 1968 CLN

MAJOR FLARES ARE NOT EXPECTED FROM ANY OF THE VISIBLE REGIONS. NO SIGNIFICANTLY ACTIVE CENTERS ARE DUE TO RETURN OR DEVELOP ON THE DISK. FLARES AS LARGE AS IMPORTANCE 1B ARE EXPECTED ABOUT MIDWEEK FROM ONE OF THE THREE GROUPS NOW AT S29W47 S15W22 AND N21W19.

C. 28 DAY FORECAST FOR MAY 25-JUNE 21 CMMA 1968 CLN

SOLAR ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL DURING THE PERIOD JUNE 19-26.

D. THE DAILY FORECAST FOR MAY 25-27 AND EXPECTED MEAN FORECAST FOR MAY 28-31 CMMA 1968 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 5-5-15 /10/

IMPORTANCE THREE OR GREATER 1-1-1 /1/

PROTON EVENTS 1-1-1 /1/

10.7 CM FLUX TODAY 182. PREDICTED 174-168-163 /158/

BT

(170)

M MUUV  
PP KGFF  
DE BOU 242300Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 906B ISSUED 2300Z MAY 24 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. BRIGHT SURGES WHICH WERE PROBABLY ASSOCIATED WITH FLARES ON OR  
BEYOND THE LIMB PRODUCED MODERATELY STRONG IONOSPHERIC EFFECTS AT  
1458 AND 1825Z. BOTH EVENTS WERE AT S28W90 ASSOCIATED WITH A DECAYING  
REGION NEAR THAT LOCATION. THE SPOT GROUP NEAR N21W23 HAS INCREASED  
IN AREA. ALL OTHER GROUPS ARE STABLE OR DECLINING.

B. MAJOR FLARES ARE POSSIBLE BUT WITH A LOW PROBABILITY FROM THE  
N21W23 REGION. ONLY MINOR FLARES ARE EXPECTED FROM THE REMAINING  
REGIONS.

FORECASTS FOR MAY 25-27

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 10-10-10

IMPORTANCE THREE OR GREATER 1-1-1

PROTON EVENTS 1-1-1

D. OTTAWA 10.7 CM FLUX TODAY 182. PREDICTED 174-168-163.

E. MAGNETIC A-FREDERICKSBURG FOR 23 MAY WAS 10. FOR 24 MAY ABOUT 19.  
PREDICTED AP FOR 25-27 MAY 12-15/UNDER 10/UNDER 10.

BT