

NNNUUV

PP KGFF

DE BOU 311800Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 066A ISSUED 1700Z OCT 31 1968

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. AN IMPORTANCE THREE BRIGHT FLARE BEGAN 30/2343Z AT S14W37.
PHOTOGRAPHIC MEASUREMENT OF FLARE AREA BY CARNARVON INDICATES
UNCORRECTED FLARE AREA OF 2050 MILLIONTHS. FLARE COVERED MAJOR
UMBRAE OF BOTH POLARITIES. H-ALPHA MAXIMUM TIME APPARENTLY COINCIDED
WITH FIRST PEAK OF DOUBLE-PEAKED CENTIMETRIC BURST. THE LATER
CENTRIMETRIC BURST WAS LARGER, PEAKING IN EXCESS OF 2000 FLUX UNITS.
THE REGION DOES NOT APPEAR DISSIPATED AS A RESULT OF THIS ACTIVITY.
PROMPT PROTONS FROM THE FLARE WERE NOT APPARENT, BUT PROTONS DID
BECOME APPARENT AT VELA BEGINNING AT APPROXIMATELY 1300Z. OGO
REPORTED NO PROTONS AT 1000Z BUT A 3 FOLD INCREASE BY 1600Z. A PCA
IS CURRENTLY IN PROGRESS, WITH ABSORPTION IN EXCESS OF 5 DB AT 30
MHZ AT HIGH LATITUDES. LARGE MAGNETIC ACTIVITY BEGAN AT APPROXIMATE-
LY 1000Z, WHICH SEEMS CORRELATED WITH SOLAR EVENTS AT 29/1218Z, AS
NOTED IN SDF 065A YESTERDAY. IT IS PROBABLE THAT THE INTENSITY OF
THE CURRENT MAGNETIC ACTIVITY IS EMPHASIZED BY THE PROTON EVENT.

B. THE REGION AT S14W37 MAINTAINS ITS POTENTIAL FOR PRODUCTION OF
MAJOR FLARES AND ADDITIONAL PROTONS. INTENSIFIED MAGNETIC ACTIVITY
BEYOND PRESENT DISTURBANCE LEVELS IS ANTICIPATED.

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
MAJOR SOLAR EVENTS 60/50/40

IMPORTANCE TWO OR GREATER 50/40/30

IMPORTANCE THREE OR GREATER 20/20/10

PROTON EVENTS 20/20/10

D. OTTAWA 10.7 CM FLUX TODAY IS 162. PREDICTED 170/160/150.

BT

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DE BOU 312330Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 066B ISSUED 2300Z 31 OCTOBER 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. AN IMPORTANCE TWO NORMAL FLARE BEGAN 31/2230Z AT S13W45.
DEKAMETRIC CONTINUUM FOLLOWED IMMEDIATELY CMMA AND A COMPLEX
CENTIMETRIC BURST SEEMED TO INDICATE SPECTRAL MAXIMUM AT
WAVELENGTHS SHORTER THAN 3 CM. PROTON EMISSION IS EXPECTED.
SECTION B REMAINS UNCHANGED FROM SDF 066A.

FORECASTS FOR 01-03 NOVEMBER

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
MAJOR SOLAR EVENTS 60/50/40

IMPORTANCE TWO OR GREATER 50/40/30

IMPORTANCE THREE OR GREATER 20/20/10

PROTON EVENTS 50/40/30

D. OTTAWA 10.7 CM FLUX AT 2000Z IS 163.

E. MAGNETIC A-FREDERICKSBURG FOR 30 OCT WAS 13. FOR 31 OCT
ABOUT 78. PREDICTED 50-60/60-80/40-50.

SOLTERWARN

BT