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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 501A ISSUED AT 1700Z
APRIL 16 1967.

A. THE ONLY SOLAR EVENT REPORTED TODAY HAS BEEN A SUBFLARE AND SURGE AT 1527Z LOCATED ABOUT S25 EAST LIMB ASSOCIATED WITH A LARGE BROKEN PLAGE. THIS IS THE RETURN OF A PREVIOUSLY ACTIVE REGION. NO SUNSPOTS ARE VISIBLE AT THIS LOCATION. AN EVEN MORE EXTENSIVE BUT FAINT PLAGE HAS APPEARED AT NE LIMB AND ALSO WITHOUT SPOTS. THE DISK OF THE SUN IS NEARLY VOID EXCEPT FOR THE STABLE TYPE J SPOT GROUP AT N25 E37.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN NEAR THE PRESENT LOW LEVEL FOR THE FORECAST PERIOD. RADIO FLUX MAY INCREASE SOME AS THE E LIMB REGIONS ROTATE ONTO THE DISK.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 17-19 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 90/90/90

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 0/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 123. THE PREDICTED VALUES FOR APRIL 17-19 ARE 135/143/144.

E. THE MAGNETIC INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SPACE DISTURBANCE FORECAST NUMBER 501B ISSUED AT 2300Z
APRIL 16 1967

A. SOLAR ACTIVITY REMAINS LOW. THE ONLY REPORTED EVENTS ARE INFREQUENT SMALL SURGES IN THE SE LIMB REGION. AN EVEN LOWER LEVEL OF SURGE ACTIVITY IS REPORTED FROM THE NE LIMB REGION. GREEN CORONA IS SLIGHTLY BRIGHTER ABOVE BOTH REGIONS TODAY. THE SUNSPOT NUMBER IS THE LOWEST SINCE 2 DEC 1966.

B. ONLY A SMALL INCREASE IN ACTIVITY IS EXPECTED AS THE EAST LIMB REGIONS ROTATE ONTO THE DISK. SMALL FLARES ARE LIKELY FROM THE SE REGION AND POSSIBLE FROM THE REGION CONTAINING THE J-TYPE SPOT GROUP AT N25 E33.

C. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD APRIL 17-19 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 90/90/90

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 0/0/0

D. THE OTTAWA 10.7 CM FLUX TODAY IS 125. THE PREDICTED VALUES FOR APRIL 17-19 ARE 131/136/140

E. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY IT WILL BE ABOUT 8. THE PREDICTED AP VALUES FOR APRIL 17-19 ARE 10/8/4

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