

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 403A ISSUED 1700Z

JANUARY 08 1967

A. SOLAR ACTIVITY CONTINUES A GENERAL DECLINE. REGION 30772 ~~is~~ <sup>is</sup>  
PASSING OVER SW LIMB WITH ONLY MINOR ACTIVITY. REGION 22223  
CONTINUES A SLOW GROWTH AND STILL HAS CHARACTERISTICS OF A YOUNG REGION.  
NUMEROUS SUBFLARES HAVE OCCURRED HERE DURING THE PAST 12  
HOURS. IMPORTANT ONE FLARES SHOULD BEGIN HERE TODAY, EIGHT OTHER REGIONS HAVE  
DECLINING SPOT GROUPS AND VIRTUALLY NO FLARE ACTIVITY. A <sup>MINOR</sup> ~~MINOR~~  
FLARE HAS APPEARED AT NE LIMB. <sup>MATOR</sup> ~~MAJOR~~ <sup>94</sup>  
FLARE ACTIVITY IS NOT LIKELY.

LONGITUDE OF CM AT 1700Z IS 231.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE  
DAY PERIOD JANUARY 9-11 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES  
FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/15/15

IMPORTANCE THREE OR GREATER 5/2/2

PROTON EVENTS 5/5/5

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 145.

PREDICTED VALUES FOR THE THREE DAY PERIOD JANUARY 9-11 ARE  
125/118/114.

D. THE FREDERICKSBURG MAGNETIC A INDEX INFORMATION WILL BE  
INCLUDED ON THE 2300Z FORECAST.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 403B 2300Z

JANUARY 08 1967.

A. THE GENERAL DECLINE OF SOLAR ACTIVITY IS SLOWING DOWN  
DUE TO THE DEVELOPMENT OF SEVERAL SMALL NORTHERN REGIONS. MOST  
IMPORTANT IS THE CONTINUED BUILDUP OF REGION 22022/N22E10 AT  
THE SITE OF PAST MAJOR FLARES AND PROTON EMISSIONS. NUMEROUS  
SUBFLARES AND AN IMPORTANCE ONE FLARE AT 1750Z HAVE BEEN RE-  
PORTED TODAY FROM THIS REGION. THE SPOT GROUP IS COMPLICATED  
AND CONTAINS MANY SMALL BUT STRONG SPOTS. MAJOR FLARES MAY  
OCCUR HERE IN ABOUT 48 HOURS. PIONEER 7 IS RECORDING AN IN-  
CREASING LEVEL OF LOW ENERGY PARTICLES PRESUMABLY FROM THIS  
LOCATION. FOUR SMALL REGIONS ARE SHOWING MINOR GROWTH. THESE  
ARE REGIONS 27815 23713 22913 AND 20028. THE LARGE REGION 30772  
IS NEARLY GONE AT SW LIMB. REGION 26468 CONTINUES WITH A  
MODERATELY LARGE SPOT GROUP WHICH IS SLOWLY DECLINING. ALL  
OTHER REGIONS ARE SMALL AND DECLINING. THE SUNSPOT NUMBER  
CONTINUES HIGH WITH ELEVEN SPOT GROUPS VISIBLE.

LONGITUDE OF CM AT 2300Z IS 228.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE  
THREE DAY PERIOD JANUARY 9-11 ARE AS FOLLOWS/FIGURES ARE  
PERCENTAGES FOR EACH OF THE THREE DAYS-

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 20/40/50

IMPORTANCE THREE OR GREATER 10/20/20

C. THE OTTAWA 10.7 :M FLUX TODAY WAS 148. THE PREDICTED  
VALUES FOR THE THREE DAY PERIOD JANUARY 9-11 ARE 132/125/125.

D. THE FREDERICKSBURG MAGNETIC A INDEX YESTERDAY WAS 17.

Y IS WILL BE ABOUT 45. THE PREDICTED VALUES FOR THE THREE  
PERIOD JANUARY 9-11 ARE 12/12/9.