

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 423A ISSUED AT 1700Z

JANUARY 28 1967

A. THE CM LONGITUDE AT 1700Z IS 328 DEGREES. DEEP RIVER CANADA REPORTED A SOLAR PARTICLE AND COSMIC RAY INCREASE BEGINNING AT 28/0830Z. MAXIMUM INCREASE OF 16 PERCENT AT 28/1115Z. THE EVENT STILL IN PROGRESS AT 28/1600Z. THE 30 MC RIOMETER AT SHEPPARD BAY CANADA OBSERVED ABSORPTION BEGINNING AT 28/1500Z WITH A LEVELING OFF AT 2.72 DB AT 1620Z. THESE EVENTS HAVE NOT YET BEEN ASSOCIATED WITH AN OPTICALLY OBSERVED FLARE. THE SPOT REGION IN THE NW QUADRANT HP 01020 HAS THE POTENTIAL FOR MAJOR FLARE ACTIVITY, THE REGION AT HP 32073 APPEARS TO BE GROWING AND DARKENING WITH MAJOR FLARE POTENTIAL ALSO.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD JANUARY 29-31 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 35/40/40

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 2/5/5.

C. THE OTTAWA 10.7 CM FLUX TODAY WILL BE ABOUT 160. THE PREDICTED VALUES FOR JANUARY ARE 165/175/180.

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 423B ISSUED AT 2300Z
JANUARY 28 1967.

A. THE CM LONGITUDE AT 2300Z IS 325 DEGREES.

NEUTRON COUNTERS CMMA RIOMETERS CMMA AND VLF FORWARD SCATTER
SENSORS IN THE ARTIC REGIONS INDICATE A PROTON EVENT TODAY.
BEGINNING TIMES ARE AS EARLY AS 28/0830Z AT DEEP RIVER AND
AS LATE AS 28/1800Z AT BARTER ISLAND. AT 1800Z BARTER ISLAND
HAD 2.5 DB ABSORPTION AND THE ABSORPTION WAS STILL INCREASING
AT 1900Z. SAGAMORE HILL AND OTTAWA BOTH NOTE MULTI-FREQUENCY
RADIO BURSTS AT 28/1515Z. NONE OF THE ABOVE EVENTS ARE AS YET
DEFINITELY ASSOCIATED WITH AN OPTICALLY OBSERVED FLARE. THE
REGIONS AT HP 32073 AND AT HP01020 REMAIN THE MOST ACTIVE AND MOST
LIKELY TO PRODUCE MAJOR FLARES. A SMALL MAGNETIC STORM
IS EXPECTED TO BEGIN WITHIN THE NEXT 24 ^{HOURS} ~~974.~~

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE
THREE DAY PERIOD JANUARY 29-31 ARE AS FOLLOWS/FIGURES ARE
PERCENTAGES FOR EACH OF THE THREE DAYS-

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 35/40/45

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 2/5/10

C. THE OTTAWA 10.7 CM FLUX TODAY IS 161. THE PREDICTED VALUES
FOR JANUARY 29-31 ARE 165/175/180.

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 3. TODAY
IT WILL BE ABOUT 14. THE PREDICTED VALUES FOR JANUARY 29-31

END 28/20/7.