

UUV
PP KGFF
DE BOU 182359Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 780B ISSUED AT 0000Z 19 JAN 68

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. SINCE 1800Z, A SUBFLARE NORMAL AT 2009Z WAS REPORTED IN
REGION N18 E87 AND A ONE NORMAL AT 2001Z IN A NEW REGION AT
N20 E87. BOTH OF THESE REGIONS STILL ARE NOT COMPLETELY ON
THE VISIBLE DISK.

PARTS B, C, AND D OF SDF 780A REMAIN UNCHANGED

E. FREDERICKSBURG MAGNETIC-A FOR JAN 17 WAS 11. TODAY ABOUT
10. PREDICTED FOR 19-21 JAN ALL UNDER 10.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF 781A ISSUED 1800Z JANUARY 19 1968

ONLY MINOR ACTIVITY IS EXPECTED DURING THE NEXT 12 HOURS

A. HIGHLIGHTS FOR THE WEEK JANUARY 12-19 CMMA 1968 CLN AN
IMPORTANCE 2B FLARE OCCURRED AT 12/1806Z NEAR THE LARGE FOLLOWER
OF A MIXED-POLARITY SPOT GROUP LOCATED AT S25 W49. ALTHOUGH
THE ASSOCIATED X-RAY EFFECTS WERE MODERATE CMMA CM WAVELENGTH
RADIO NOISE BURSTS WERE STRONG. ON BOTH THE 14TH AND 15TH
IMPORTANCE 2 FLARES WERE OBSERVED FROM A DECLINING REGION
CENTERED AT N12 W65 ON THE 15TH AND EXTENDING MORE THAN 20
DEGREES IN LONGITUDE. EVENTS AT 14/2010Z 15/0000Z AND 15/1223Z
OCCURRED IN THE FOLLOWING PORTION OF THE REGION AND THE EVENT
AT 15/1130Z IN THE LEADING PORTION. EACH OF THESE FLARES
PRODUCED MODERATE TO STRONG RADIO EMISSION AND MODERATE
IONOSPHERIC EFFECTS. SATELLITE OBSERVATIONS GAVE LITTLE CMMA IF
ANY CMMA EVIDENCE OF AN ENHANCEMENT IN THE SOLAR WIND PARAMETERS
AT IAU AS A RESULT OF THIS ACTIVITY. DURING THIS WEEK THE
REGIONS MENTIONED ABOVE DECLINED SLOWLY AND COMPLETED WEST-
LIMB PASSAGE. THE SOLAR RADIO NOISE FLUX AT 10.7CM DROPPED
BELOW THE 200 LEVEL ON THE 13TH AND HAS STEADILY DECLINED SINCE.

B. FORECAST FOR THE WEEK JANUARY 20-26 CMMA 1968 CLN SOLAR
ACTIVITY IS EXPECTED TO REMAIN BELOW ITS RECENT NORMAL LEVEL.
THE S14 E59 REGION IS CURRENTLY THE MOST INTERESTING
CONTAINING A COMPLEX GROUPING OF MANY SMALL SPOTS. THIS REGION
APPEARS TO BE DEVELOPING AND IS LIKELY TO PRODUCE NUMEROUS
MINOR FLARES. THE PROBABILITY FOR MAJOR ACTIVITY IN THE REGION
SHOULD INCREASE IN ABOUT 3 DAYS. OTHER SMALL BUT GROWING REGIONS
ARE LOCATED NEAR N10 E36 AND N18 E73. A RETURNING REGION IS
DUE NEAR S 8 ABOUT JAN. 22. IT WAS DECLINING AT WEST LIMB
PASSAGE AND SHOULD BE INACTIVE.

C. 28-DAY FORECAST FOR JANUARY 20-FEBRUARY 17 CMMA 1968 CLN
SOLAR ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL WITHIN THE
PERIOD JAN. 27-FEB. 14.

D. FORECAST FOR JAN. 20-22 AND EXPECTED MEAN VALUES FOR JAN. 23-26
THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 25-25-30 /30/

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

PROTON EVENTS 1-1-1 /1/

OTTAWA 10.7 CM FLUX TODAY 146. PREDICTED 150-152-154 /158/

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 781B ISSUED AT 0000Z JAN 19 1968
ONLY MINOR ACTIVITY IS EXPECTED DURING THE NEXT 12 HOURS
SECTIONS A CMMA B CMMA C CMMA AND D REMAIN UNCHANGED FROM SDF 781A
E. MAGNETIC A-FREDERICKSBURG FOR 18 JAN 11. JAN 19 ABOUT 8.
PREDICTED FOR JAN 0-22 ALL UNDER 10.
BT