

NNNNUUUV
PP KGFF
DE BOU 152345Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 808B ISSUED 0000Z FEBRUARY 16 1968
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
A. A MODERATE MAGNETIC STORM BEGAN TODAY ABOUT 1000Z WITH
A GRADUAL COMMENCEMENT.
SECTIONS B C AND D REMAIN UNCHANGED.
E. FREDERICKSBURG A INDEX FOR FEB. 14 WAS 04. FOR 15 FEB.
IT WILL BE ABOUT 28. PREDICTED AP FOR FEB. 16-18 20-30/
10-15/10-15.
BT

NNNNUUUV
PP KGFF
DE'BOU 161800Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF 809A ISSUED 1800Z FEBRUARY 16 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE WEEK FEBRUARY 9-16 CMMA 1968 CLN

THE DECLINING REGION NOW LOCATED NEAR N19W33 WAS THE MAJOR CONTRIBUTOR TO THE OBSERVED MINOR FLARE ACTIVITY DURING THE PAST 7 DAYS. BY FEBRUARY 12 THIS SPOT GROUP HAD REACHED ITS MAXIMUM DEVELOPMENT WITH A CLASS 1 AREA OF E/600 AND CONTAINED A WEAK MAGNETIC DELTA CONFIGURATION. THE IMPORTANCE ONE FLARES FROM THIS AREA PRODUCED STRONG RADIO NOISE BURSTS AT CENTIMETER AND DECIMETER WAVELENGTHS. A MAGNETIC DISTURBANCE BEGAN AT 10/1622Z AND REACHED STORM PROPORTIONS THE FOLLOWING DAY. LOW ENERGY SOLAR COSMIC RAY AND INTERPLANETARY PLASMA PARTICLE DETECTORS ONBOARD THE PIONEER VII AND VELA SATELLITES MEASURED ENHANCED COUNTING RATES DURING THIS SAME PERIOD. AT 15/1000Z A SECOND MINOR FLUCTUATION IN THE GEOMAGNETIC FIELD BEGAN BUT IT HAS SINCE SUBSIDED.

B. FORECAST FOR THE WEEK FEBRUARY 17-23 CMMA 1968 CLN

SOLAR ACTIVITY IS EXPECTED TO INCREASE ON FEBRUARY 18-19 DUE TO THE RETURN OF A VERY LARGE COMPLEX REGION NEAR N13 WHICH PRODUCED MAJOR FLARES DURING ITS LAST DISK PASSAGE. THIS REGION WAS DECLINING AT WEST LIMB. ON THE SAME DAYS SMALL REGIONS ARE DUE TO RETURN IN THE SOUTHERN HEMISPHERE. ANOTHER EXPECTED INACTIVE REGION IS DUE TO APPEAR FEBRUARY 23 AT ABOUT N12.

C. 28 DAY FORECAST FOR FEBRUARY 17 - MARCH 15 CMMA 1968 CLN

THE LEVEL OF ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL FOR THE PERIOD FEBRUARY 18 - MARCH 4.

D. THE DAILY FORECAST FOR FEB. 17-19 AND EXPECTED MEAN FORECAST FOR FEB. 20-23 CMMA 1968

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 10-15-20 /20/

IMPORTANCE THREE OR GREATER 1-1-2 /2/ 143/141/139

PROTON EVENTS 1-1-1 /2/

10.7 CM FLUX TODAY 146. PREDICTED 148-156-166 /170/

BT

A) 8-6-5 /8/

17 18 19