

NNNUUV
PP KGFF
DE BOU 161720Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 990A ISSUED 1700Z AUGUST 16 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 6 HOURS.

A. HIGHLIGHTS FOR THE WEEK AUGUST 8-16, 1968 CLN ON AUGUST 8
THE COMPLEX C/760 SPOT GROUP WAS CENTERED NEAR N12E05. AT
08/1808 UT AN IMPORTANCE TWO BRIGHT FLARE OCCURRED THERE WHICH
PRODUCED MODERATELY INTENSE CENTIMETER WAVELENGTH RADIO AND
X-RAY BURSTS. NO POLAR CAP ABSORPTION OCCURRED BUT THERE WAS
AN ENHANCED SOLAR WIND OBSERVED BY THE PIONEER 7 SPACECRAFT.
THE N12 REGION EVOLVED SLOWLY THEREAFTER AND PRODUCED ONLY A
FEW IMPORTANCE ONE FLARES PRIOR TO WEST LIMB PASSAGE AUGUST 15.
WHILE AT THE LIMB THIS SPOT GROUP INTERACTED WITH A PREVIOUSLY
QUIESCENT FILAMENT IMMEDIATELY NORTH OF IT, AND SOMETIME BEFORE
15/1354Z PROMINENCE MATERIAL BEGAN STREAMING SOUTHWARD ALONG
THE LIMB INTO THE REGION PROPER. SINCE AUGUST 11 THE SE QUADRANT
OF THE DISK HAS BEEN DEVELOPING A CLUSTER OF SPOT GROUPS VERY
NEARLY IN TANDEM. THE MOST COMPLEX IS A D/820 REGION PRESENTLY
CENTERED NEAR S14E28. OVERALL IT IS BIPOLAR, HOWEVER, IT CONTAINS
A WEAK DELTA WITHIN THE FOLLOWING PORTION.

B. FORECAST FOR THE WEEK AUGUST 17-23, 1968 CLN AT MOST ONLY A
SINGLE IMPORTANCE TWO FLARE IS EXPECTED FROM EITHER OF THE TWO
LARGEST REGION IN THE SE. ANY ASSOCIATED X-RAYS AND RADIO NOISE
BURSTS SHOULD NOT BE UNUSUALLY STRONG DUE TO THE RELATIVE
POSITIONS OF THE BRIGHTEST PLAGE AND STRONG MAGNETIC FIELDS.

DURING THE WEEK NO LARGE REGIONS ARE DUE TO RETURN OR DEVELOP.

C. 28 DAY FORECAST FOR AUGUST 17-SEPTEMBER 14, 1968 CLN SOLAR
ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL FROM SEPTEMBER 7
THROUGH THE 12TH.

D. THE DAILY FORECAST FOR AUGUST 17-19 AND EXPECTED MEAN FORECAST
FOR AUGUST 20-23, 1968

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 15-15-5 /2/

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

PROTON EVENTS 1-1-1 /1/

OTTAWA 10.7 CM FLUX TODAY IS 175. PREDICTED 178-179-182 /170/.

BT

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DE BOU 162300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 990B ISSUED 2300Z AUG 16 1968

NO SIGNIFICANT ACTIVITY IS EXPECTED DURING THE NEXT 12 HOURS.

A. SINCE LOCAL SUNRISE MODERATE INTENSITY DECAMETRIC CONTINUUM
RADIATION BETWEEN 25 AND 41 MHZ HAS BEEN OBSERVED ON THE BOULDER
SWEEP FREQUENCY RECEIVER. THE MOST LIKELY SOURCE OF THIS ~~SYNCHROTRON~~
EMISSION IS THE LARGE SPOT GROUP NOW CENTERED NEAR S14E16. Type III's due to
SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 990A. ^{superthermal electrons.}

E. MAGNETIC A-FREDERICKSBURG FOR 15 AUG WAS 18. FOR 16 AUG ABOUT 17.

PREDICTED AP 12-16/UNDER 10/UNDER 10

BT

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