

SEP 13 17 29 Z68

UUV
PP KGFF
DE BOU 131715Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 018A ISSUED 1700Z SEPTEMBER 13 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE PERIOD SEPTEMBER 5-13, 1968 CLN AS WAS ANTICIPATED NO MAJOR FLARES OCCURRED DURING THE ABOVE PERIOD. THE HALF DOZEN MINOR EVENTS TAKING PLACE WERE DISTRIBUTED BETWEEN TWO REGION IN THE SOUTHERN HEMISPHERE. THE SPOT GROUP AT S15W33 ON 6 SEPT. PRODUCED THREE IMPORTANCE ONE EVENTS JUST BEFORE PASSING OVER THE LIMB. EACH WAS WELL DEFINED AT BOTH SHORT AND LONG WAVELENGTHS. THIS RAPIDLY DECAYING REGION PASSED FROM VIEW LATE SEPT. 9. THE SECOND REGION OF INTEREST IS NOW CENTERED NEAR S12E30. A SLOW BUT STEADY INCREASE IN AREA WAS APPARENT DURING THE FIRST THREE DAYS THE REGION WAS VISIBLE, HOWEVER DURING THE PAST 24 HOURS NO SIGNIFICANT STRUCTURAL CHANGES HAVE BEEN OBSERVED. ACTIVITY ORIGINATING FROM WITHIN THIS SPOT GROUP HAS PRODUCED ONLY MINOR GEOPHYSICAL EFFECTS. SEPT. 6-9 MARKED A PERIOD IN WHICH THE GEOMAGNETIC FIELD WAS SLIGHTLY DISTURBED. THE FLUCTUATIONS IN FIELD INTENSITY REACHED A MAXIMUM ON SEPT 8 WITH A PLANETARY A-INDEX OF 28 FROM THE FREDERICKSBURG, VA. STATION.

B. FORECAST FOR THE WEEK SEPTEMBER 14-20, 1968 CLN DAILY WHITE LIGHT SUNSPOT DRAWINGS INDICATE THAT NO PREVIOUSLY ACTIVE LONGITUDES ARE DUE TO RETURN DURING THE WEEK. MOREOVER CORPUSCULAR RADIATION DATA FROM THE PIONEER 6 SPACECRAFT HEAVILY FAVOR DECLINING STAGES FROM ANY REGION THAT SHOULD APPEAR ON THE EAST LIMB DURING THIS PERIOD. TO DATE THE AVERAGE SIZED BIPOLAR SPOT GROUP NEAR S12E30 HAS MUCH IN COMMON IN TERMS OF POSITION, RATE OF GROWTH, AND FLARE HISTORY WITH A REGION WHICH DEVELOPED THERE ONE SOLAR ROTATION AGO. IF THE PRESENT SPOT GROUP CONTINUES TO PARALLEL THIS EARLIER REGION, THEN ONLY FLARES AS LARGE AS IMPORTANCE ONE ARE EXPECTED AT AN AVERAGE RATE OF ONE PER DAY.

C. 28 DAY FORECAST FOR SEPTEMBER 14-OCTOBER 11, 1968 CLN THE CURRENT LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO DECLINE FURTHER DURING THE PERIOD SEPTEMBER 14-20.

D. DAILY FORECASTS FOR SEPTEMBER 14-16 AND EXPECTED MEAN FORECAST FOR SEPTEMBER 17-20, 1968 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

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

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

PROTON EVENTS 1-1-1 /1/

OTTAWA 10.7 CM FLUX TODAY IS 149. PREDICTED 150-144-141 /133/.

BT

NNNM

NNNNUV
PP KGFF
DE BOU 132300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 018B ISSUED 2300Z SEPT 13 1968
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
SECTIONS A B C AND D REMAIN UNCHANGED FROM SDF 018A.
E. MAGNETIC A-FREDERICKSBURG FOR 12 SEPT WAS 16. FOR 13 SEPT ABOUT
28. PREDICTED AP FOR 14-16 SEPT 30-25/25-20/20-15
BT

NNNNIV