

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 073A ISSUED 0400Z 14 MARCH 1971

INFREQUENT, NON-ENERGETIC SUBFLARES REPRESENT THE ONLY KIND OF ACTIVITY EXPECTED DURING THE NEXT 13 HOURS.

A. THE GENERAL LEVEL OF ACTIVITY CONTINUES AT ABOUT ONE OR TWO CLASS C EVENTS PER HOUR WITH THE MAJORITY OF THESE FLARES OCCURRING WITHIN THE DEVELOPING REGION NEAR N08E50. IT WAS FROM THIS DISK FEATURE THAT YESTERDAY'S MOST SIGNIFICANT ERUPTION WAS OBSERVED, NAMELY AN IMPORTANCE 1B ACCCOMPANIED BY CM WAVELENGTH EMISSION OF ONLY TENS OF UNITS ABOVE BACKGROUND. SEVEN OTHER SMALL GROUPS ARE VISIBLE, HOWEVER, RECENT OBSERVATORY REPORTS IMPLY EITHER NO CHANGE OR DECAY AT THESE SITES. THE CLASSIC SECTOR BOUNDARY TYPE GEOMAGNETIC DISTURBANCE WITNESSED THESE PAST TWO DAYS HAS ABOUT TERMINATED.

B. IN TERMS OF POTENTIAL ACTIVITY IT IS CLEAR THAT ONLY THE N08E50 SPOT GROUP NEED BE CONSIDERED. SINCE THE REGION SPANS NO MORE THAN 200 MILLIONTHS AT THIS TIME, ANY RISE IN THE FREQUENCY OF ENERGETIC FLARES IS AT LEAST A DAY, PERHAPS TWO, AWAY. GEOMAGNETIC CONDITIONS ARE EXPECTED TO APPROACH QUIET-DAY RESPONSES ALMOST MONOTONICALLY IN THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 MAR/0400Z ENDING 16 MAR/0400Z

CLASS M OR GREATER 25/30/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 13/1700Z AND 13/2000Z WERE 114 AND 113 RESPECTIVELY.

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 073B ISSUED 1700Z 14 MAR 1971

DURING THE NEXT 11 HOURS NOTHING MORE ENERGETIC THAN SCATTERED, INFREQUENT CLASS C FLARES IS EXPECTED.

A. VERY FEW EVENTS HAVE BEEN REPORTED SINCE TODAY'S EARLIER MESSAGE. THE 8 OR 9 REGIONS VISIBLE ARE EXHIBITING LITTLE IN THE WAY OF DEVELOPMENT, EITHER IN GROWTH OR DECAY. MOREOVER, BOTH LIMBS ARE QUIET. A QUASI-DISTURBED GEOMAGNETIC FIELD HAS PERSISTED UP TO ABOUT 6 HOURS AGO; CURRENT 3-HOUR RANGE INDICES IN BOULDER ARE NEAR 2.

B. THE NO9E42 SPOT GROUP HAS NOT GROWN AS ANTICIPATED. CONSEQUENTLY NO SIGNIFICANT RISE IN THE OVERALL ACTIVITY LEVEL IS FORESEEN THESE NEXT 3 DAYS. ADDITIONAL GEOMAGNETIC FIELD FLUCTUATIONS, E.G. K EQUAL H, ARE NOT ANTICIPATED AT LOW MAGNETIC LATITUDES DURING THE FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 MAR/1700Z ENDING 17 MAR/1700Z.

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 14/1400Z WAS 113. PREDICTED 10.7 CM FLUX FOR 15-17 MARCH IS 107/107/112.

E. MAGNETIC A-FREDERICKSBURG FOR 13 MAR WAS 24. FOR 14 MAR ABOUT 20. PREDICTED AP FOR 15-17 MAR, 12/09/07.

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