

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 IMPOR-
TANCE 1B ACCOMPANIED 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 WIT-
NESSED 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.

SOLTERWARN

NNNN
KBOU
HAUS BOU 141700
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 N09E42 SPOT GROUP HAS NOT GROWN AS ANTICIPATED. CONSE-
QUENTLY NO SIGNIFICANT RISE IN THE OVERALL ACTIVITY LEVEL IS
FORESEEN THESE NEXT 3 DAYS. ADDITIONAL GEOMAGNETIC FIELD FLUCTU-
ATIONS, 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.
SOLTERWARN
SPAN
BT