

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 471A ISSUED 0400Z 10 DECEMBER 1969
INFREQUENT CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.
A. ASIDE FROM SOME PROMINENCE ACTIVITY ON THE SE LIMB LATE YESTERDAY,
ACTIVITY HAS NEARLY REACHED AN ALL-TIME LOW FOR CURRENT PHASE OF THE
SUNSPOT CYCLE. MOREOVER THERE HAVE BEEN NO MAJOR CHANGES WITHIN THE
VISIBLE SPOT GROUPS OR ASSOCIATED PLAGE REPORTED SINCE SDF 470B.
B. SEE PREVIOUS MESSAGE.
C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 10 DEC/0400Z ENDING 13 DEC/0400Z
CLASS M OR GREATER 30/40/40
CLASS X 02/10/10
PROTON EVENTS 02/05/05
D. OTTAWA 10.7 CM FLUXES FOR 09/1700 AND 2000Z WERE 120 AND 118
RESPECTIVELY.
SOLTERWARN
SPAN
BT

NNNN1701

NNNN1705

NNNN

KMSC

HAUS BOU 101700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 471B ISSUED 1700Z 10 DECEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. HIGHLIGHTS FOR THE PERIOD 02-10 DECEMBER 1969--

THESE PAST 8 DAYS HAVE BEEN WITNESS TO LITTLE IN THE WAY OF
SIGNIFICANT FLARE ACTIVITY. ONLY ONE WEAK M EVENT, WITH A
START TIME NEAR 02/1742Z, WAS REPORTED DURING THE PERIOD.

THOSE CLASSIC INDICES OF OVERALL SOLAR ACTIVITY SUCH AS THE
R-NUMBER AND 10.7 CM FLUX HAVE DECREASED ALMOST MONOTONICALLY
SINCE 03 DECEMBER. A MINOR MAGNETIC DISTURBANCE WAS RECORDED
ON THE 5TH AND 6TH.

B. FORECAST FOR THE PERIOD 11-17 DECEMBER 1969--

ON 12 DECEMBER THE SITE OF MCMATH REGION 432 /L ABOUT 080/ IS
DUE TO RETURN. AS A RESULT OF ITS PAST TWO ACTIVE PASSAGES,
THE COMING DISK TRANSIT IS EXPECTED TO BE UNEVENTFUL. THERE
EXISTS NO SPACECRAFT EVIDENCE AT THE TIME OF THIS WRITING
IMPLYING CURRENT ACTIVITY THERE /L ABOUT 80/.

28-DAY FORECAST FOR 11 DECEMBER 1969-07 JANUARY 1970--

THIS 4-WEEK INTERVAL SHOULD BE CHARACTERIZED BY LOW ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 10/1700Z ENDING 13/1100Z.

CLASS M OR GREATER 20/30/40

CLASS X 01/02/05

PROTON EVENTS 01/02/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 119. PREDICTED 120/125/135.

E. MAGNETIC A-FREDERIKSBURG FOR 09 DEC WAS 09. FOR 10 DEC
ABOUT 04. PREDICTED AP FOR 11-13 DEC 06/08/08.

SOLTERWARN

SPAN

BT