

HAUS BOU 310400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 492A ISSUED 0400Z 31 DEC 1969

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. AN IMPORTANCE 3 ERUPTIVE PROMINENCE ON THE SOUTH WEST LIMB STARTED APPROXIMATELY 30/1855Z. THIS EVENT PRODUCED COMPLEX RADIO BURSTS ON SEVERAL FREQUENCIES, AND WAS CLASSIFIED AS AN M EVENT. THE REGION REMAINED UNCHANGED AND AT 30/1925Z A ONE BRIGHT FLARE WAS OBSERVED AT S18W85 WHICH WAS CLASSIFIED AS AN M EVENT. ATS-1 SATELLITE READ OUTS INDICATE THAT PROTON COUNT, ON 20-70 MEV DETECTOR, IS UP BY A FACTOR OF THREE. NO INCREASE IN COUNTS ON GROUND BASED DETECTORS. THE GEOMAGNETIC FIELD IS QUIET.

B. ACTIVITY WILL BE CONFINED TO CLASS C AND AN OCCASIONAL SMALL CLASS M FLARES DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 DEC/0400Z ENDING 03 JAN 70/0400Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 30/1700Z AND 2000Z 163 AND 173 RESPECTIVELY. THE 2000Z FLUX IS FLARE CONTAMINATED.

SOLTERWARN

SPAN

BT

NNNN0350

NNNN

KMSC

HAUS BOU 310400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 492A ISSUED 0400Z 31 DEC 1969

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. AN IMPORTANCE 3 ERUPTIVE PROMINENCE ON THE SOUTH WEST LIMB STARTED APPROXIMATELY 30/1855Z. THIS EVENT PRODUCED COMPLEX RADIO BURSTS ON SEVERAL FREQUENCIES, AND WAS CLASSIFIED AS AN M EVENT. THE REGION REMAINED UNCHANGED AND AT 30/1925Z A ONE BRIGHT FLARE WAS OBSERVED AT S18W85 WHICH WAS CLASSIFIED AS AN M EVENT. ATS-1 SATELLITE READ OUTS INDICATE THAT PROTON COUNT, ON 20-70 MEV DETECTOR, IS UP BY A FACTOR OF THREE. NO INCREASE IN COUNTS ON GROUND BASED DETECTORS. THE GEOMAGNETIC FIELD IS QUIET.

B. ACTIVITY WILL BE CONFINED TO CLASS C AND AN OCCASIONAL SMALL CLASS M FLARES DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31 DEC/0400Z ENDING 03 JAN 70/0400Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 30/1700Z AND 2000Z 163 AND 173 RESPECTIVELY. THE 2000Z FLUX IS FLARE CONTAMINATED.

SOLTERWARN

SPAN

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 492B ISSUED 1700Z 31 DECEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY IS CURRENTLY AT A LOW LEVEL WITH ONLY CLASS C FLARES BEING OBSERVED. THE REGION AT S19W18 HAS SHOWN PENUMBRAL GROWTH BOTH IN THE LEADER AND FOLLOWER. A NEW H-TYPE SPOT GROUP IS LOCATED AT N17E80 WITH BRIGHT PLAGE EXTENDING BACK TO THE EAST LIMB. THE REMAINING REGIONS ARE UNCHANGED. THE HIGH AND LOW ENERGY CHANNELS OF ATSI SATELLITE REMAIN ENHANCED. THE GEOMAGNETIC FIELD IS QUIET.

B. AN OCCASSIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 72 HOURS FROM THE S19W18 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31/1700Z ENDING 03/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 155. PREDICTED 150/145/142.

E. MAGNETIC A-FREDERICKSBURG FOR 30 DEC WAS 02. FOR 31 DEC ABOUT 03. PREDICTED AP FOR 01-03 JAN 08/08/08.

SOLTERWARN

SPAN

BT

NNNN1702

NNNN

KMSC

HAUS BOU 311710Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 492B ISSUED 1700Z 31 DECEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY IS CURRENTLY AT A LOW LEVEL WITH ONLY CLASS C FLARES BEING OBSERVED. THE REGION AT S19W18 HAS SHOWN

PENUMBRAL GROWTH BOTH IN THE LEADER AND FOLLOWER. A NEW H-

TYPE SPOT GROUP IS LOCATED AT N17E80 WITH BRIGHT PLAGE EX-

TENDING BACK TO THE EAST LIMB. THE REMAINING REGIONS ARE

UNCHANGED. THE HIGH AND LOW ENERGY CHANNELS OF ATSI SATELLITE REMAIN ENHANCED. THE GEOMAGNETIC FIELD IS QUIET.

B. AN OCCASSIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 72 HOURS FROM THE S19W18 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 31/1700Z ENDING 03/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 155. PREDICTED 150/145/142.

E. MAGNETIC A-FREDERICKSBURG FOR 30 DEC WAS 02. FOR 31 DEC ABOUT 03. PREDICTED AP FOR 01-03 JAN 08/08/08.

SOLTERWARN

SPAN

BT