

HFUS 1 BOU 200600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 354A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 20 DECEMBER 1974
IA. NO CHANGE
IB. NO CHANGE
II. NO CHANGE
III. EVENT PROBABILITIES NO CHANGE
IV. OTTAWA 10.7 CM FLUX NO CHANGE
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 18 DEC 17
ESTIMATED AFR/AP 19 DEC 22/29
PREDICTED AFR/AP 20-22 DEC 20/25 - 18/23 - 16/20
SOLTERWARN
BT

HFUS BOU 201455

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 354B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 20 DECEMBER 1974

IA. NO SOLAR ACTIVITY REPORTED EXCEPT FOR A LONG-LIVED C2
XRAY EVENT AT 1049Z AND STILL IN PROGRESS. POOR WEATHER PREVENTS
CORRELATION WITH OPTICAL REPORTS. REGION 540 (S17 W64) WAS NEAR
FLARE INTENSITY AT 1300Z. SURGES CONTINUE N13 W90 AS REGION 534
COMPLETES DISK TRANSIT. REGION 539 (N08 E45) CONTINUES WITH
CIRCULAR ACTIVE FILAMENT EMBEDDED IN PLAGE. REGION 536 (N12 W21)
CONTINUES STABLE. REGION 540 HAS NOT DEVELOPED BEYOND B-TYPE
SPOTS.

IB. NO SIGNIFICANT ACTIVITY EXPECTED.

II. THE GEOMAGNETIC FIELD CONTINUES ACTIVE. GRADUAL DECREASE TO
UNSETTLED CONDITIONS EXPECTED THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 20 - 22 DECEMBER

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 DECEMBER 95

PREDICTED 20 - 22 DEC 90/87/84

90-DAY MEAN 19 DECEMBER 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 DEC 17

ESTIMATED AFR/AP 19 DEC 22/29

PREDICTED AFR/AP 20-22 DEC 20/25 - 18/23 - 16/20

SOLTERWARN

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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 354

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 DECEMBER 1974

IA. THE ONLY SOLAR EVENTS REPORTED TODAY ARE LONG-LIVED XRAY
BURSTS DETECTED BY GOES: 1049 - 1500Z (C2) AND 1625 - 2009Z
(C0.5). WEATHER PREVENTED CORRELATION WITH OPTICAL ACTIVITY.
REGION 539 (N05 E38) IS LIKELY SOURCE AS IT HAS DEVELOPED AN ACTIVE
DARK FILAMENT EMBEDDED IN PLAGE CLOSE TO THE LEADER SUNSPOT.
A TINY NEW BIPOLAR PLAGE HAS EMERGED ADJACENT TO SOUTHEAST
CORNER OF REGION 541 (N07 W01). REGIONS 536 (N13 W32) AND 540
(S15 W70) HAVE FADED AND BECOME LESS ACTIVE.

IB. LESS THAN 5 CLASS-C EVENTS PER DAY ARE EXPECTED. THE DISRUPTION
OF THE FILAMENT IN REGION 539 COULD PRODUCE A LARGE
CLASS-C EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. A GRADUAL DIMUNITION
TO UNSETTLED CONDITIONS IS EXPECTED THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 21 - 23 DECEMBER

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 DEC 90

PREDICTED 21 - 23 DEC 87/84/80

90-DAY MEAN 20 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 DEC 25

ESTIMATED AFR/AP 20 DEC 20/26

PREDICTED AFR/AP 21 - 23 DEC 18/23 - 16/20 - 10/13

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