

HFUS 1 BOU 190600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 353A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 19 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 17 DEC 13  
ESTIMATED AFR/AP 18 DEC 20/30  
PREDICTED AFR/AP 19-21 DEC 18/25 - 16/22 - 15/20  
SOLTERWARN  
BT

HFUS BOU 191500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 353B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 19 DECEMBER 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. A LONG-LIVED C1 XRAY EVENT  
AT 1316Z CORRELATED WITH A FAINT FLARE IN REGION 539 (N07 E56).

THE SPOT GROUP THERE IS TYPE D AND POSSIBLY GROWING. A SURGE/  
SF FLARE AT 1445Z IN REGION 534 (N13 W85) GAVE A C2 XRAY BURST.

ALL OTHER REGIONS ARE SMALL AND QUIET.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW WITH 2 - 6 CLASS C XRAY  
EVENTS PER DAY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND WILL CONTINUE ACTIVE.

III. EVENT PROBABILITIES 19 - 21 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 DEC 93

PREDICTED 19 - 21 DEC 100/102/102

90-DAY MEAN 18 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 DEC 13

ESTIMATED AFR/AP 18 DEC 18/28

PREDICTED AFR/AP 19 - 21 DEC 16/24 - 14/20 - 19/25

SOLTERWARN

BT

HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 353

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 19 DECEMBER 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. CLASS C SUBFLARES AT 1316Z  
AND 1445Z OCCURRED IN REGIONS 539 (N07 E49) AND 540 (N13 W90)  
FOLLOWED BY AN INCREASING NUMBER OF TYPE III RADIO BURSTS THROUGH  
THE DAY. REGION 539 CONTAINS AN ACTIVE EMBEDDED FILAMENT FORMING  
A CIRCULAR NEUTRAL LINE WITHIN PLAGE OF MODERATE INTENSITY. THE  
SPOT GROUP CONTINUES A SIMPLE SMALL TYPE-D. REGION 536 (N13 W20)  
CONTINUES AS A SINGLE LARGE SPOT WITH ATTENDANT ACTIVE FILAMENT AND  
VARIABLE PLAGE. REGION 540 (S15 W56) IS GROWING SLOWLY BUT STILL  
HAS ONLY A TINY SPOT GROUP.

IB. NO SIGNIFICANT CHANGE IN ACTIVITY EXPECTED. THE LOSS OF REGION  
534 MAY BE BALANCED BY INCREASING ACTIVITY IN REGIONS 539 AND 540.  
CLASS-C FLARES CAN BE EXPECTED AT RATE OF 4 - 8 PER DAY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. IT WILL CONTINUE  
ACTIVE WITH NIGHTTIME CONDITIONS JUST BELOW STORM LEVELS FOR THE  
NEXT THREE DAYS.

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 96/96/94

90-DAY MEAN 19 DECEMBER 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 DECEMBER 17

ESTIMATED AFR/AP 19 DECEMBER 20/26

PREDICTED AFR/AP 20 - 22 DECEMBER 16/20 - 17/22 - 16/20

SOLTERWARN

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