

HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 332A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 28 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS DECREASED CONSIDERABLY WITH ONLY ONE SUB-  
FLARE REPORTED DURING THE LAST 24 HOURS. THIS FLARE OCCURRED IN  
REGION 284 (S11W58), A SIMPLE DECAYING REGION. REGION 287 (S10W04)  
REMAINS THE MOST INTERESTING REGION ON THE DISK. ALTHOUGH THE REGION  
HAS DECAYED DURING THE LAST 24 HOURS, SOME SPOT GROWTH HAS OCCURRED  
IN THE TRAILER PORTION, AND NEARBY REGION 292 (S16W01) CONTINUES  
TO SHOW SLOW GROWTH. THUS, THERE IS STILL A GOOD CHANCE OF ANOTHER M  
CLASS EVENT FROM REGION 287 DURING THE NEXT COUPLE OF DAYS.

IB. LOW TO MODERATE SOLAR ACTIVITY SHOULD CONTINUE.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND SHOULD CONTINUE  
QUIET FOR THE NEXT 2 DAYS, BECOMING UNSETTLED BY THE END OF THE  
FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 332A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 28 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS DECREASED CONSIDERABLY WITH ONLY ONE SUB-  
FLARE REPORTED DURING THE LAST 24 HOURS. THIS FLARE OCCURRED IN  
REGION 284 (S11W58), A SIMPLE DECAYING REGION. REGION 287 (S10W04)  
REMAINS THE MOST INTERESTING REGION ON THE DISK. ALTHOUGH THE REGION  
HAS DECAYED DURING THE LAST 24 HOURS, SOME SPOT GROWTH HAS OCCURRED  
IN THE TRAILER PORTION, AND NEARBY REGION 292 (S16W01) CONTINUES  
TO SHOW SLOW GROWTH. THUS, THERE IS STILL A GOOD CHANCE OF ANOTHER M  
CLASS EVENT FROM REGION 287 DURING THE NEXT COUPLE OF DAYS.

IB. LOW TO MODERATE SOLAR ACTIVITY SHOULD CONTINUE.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND SHOULD CONTINUE  
QUIET FOR THE NEXT 2 DAYS, BECOMING UNSETTLED BY THE END OF THE  
FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 332B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 28 NOVEBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. AN APR EXISTS AT  
N25W90. REGION 287 (S10W07) HAS DEVELOPED NEW SPOTS NORTHEAST OF THE  
LEADER AND NOW HAS AN ARCH-FILAMENT SYSTEM. IT IS STILL CAPABLE OF  
SIGNIFICANT ACTIVITY. ALL OTHER REGIONS ARE RELATIVELY INACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN SO  
FOR THE NEXT 48 HOURS, BECOMING UNSETTLED THEREAFTER.

III. EVENT PROBABILITIES 28 NOV - 30 NOV

CLASS M 40/30/20

CLASS X 10/08/05

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 NOV 91

PREDICTED 28 NOV - 30 NOV 90/89/88

90-DAY MEAN 27 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 NOV 17

ESTIMATED AFR/AP 27 NOV 08/09

PREDICTED AFR/AP 28 NOV - 30 NOV 05/06 - 05/06 - 10/11

SOLTERWARN

SPAN

BT

NNNN

KBOU

HOUS 2 BOU 280200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
28/0200 NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
27/1700. LOCATIONS VALID AT 28 NOV 0000Z.

| NMBR | LOCATION | LO  | AREA | Z | LL | NN | MAG        | TYPE |
|------|----------|-----|------|---|----|----|------------|------|
| 0284 | S11W55   | 207 | 0010 | A | 01 | 01 | ALPHA      |      |
| 0287 | S10W01   | 157 | 0250 | E | 12 | 19 | BETA-GAMMA |      |
| 0291 | N05W33   | 185 | 0050 | C | 07 | 09 | BETA       |      |
| 0292 | S16E02   | 150 | 0010 | A | 03 | 03 | ALPHA      |      |

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 28 NOV 0000Z.

| NMBR | LOCATION | LO  |
|------|----------|-----|
| 0289 | S15E19   | 133 |

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

| RGN  | IMP | BEGIN    | MAX   | END   | CLASS |
|------|-----|----------|-------|-------|-------|
| 0287 | 1N  | 27/0312Z | 0314Z | 0322Z | M-1   |

III. AREAS OF SPECIAL INTEREST-

NONE

SOLTERWARN

SPAN

BT

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 332

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY TWO SUBFLARES OBSERVED  
IN THE PAST 24 HOURS. REGION 287 (S10W14) HAS SHOWN SPOT AND  
PLAGE GROWTH BUT NO ACTIVITY. TOGETHER WITH REGION 292 (S16W12)  
WHICH HAS ALSO SHOWN PLAGE GROWTH THIS AREA APPEARS CAPABLE OF  
PRODUCING ENERGETIC ACTIVITY. THE LIMBS AND REST OF THE DISK HAS  
BEEN RELATIVELY QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH THE POSSIBLE  
EXCEPTION OF SIGNIFICANT ACTIVITY FROM THE REGION 287/292  
COMPLEX.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO  
CONTINUE QUIET FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 29 NOV - 01 DEC

CLASS M 35/25/20

CLASS X 08/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 NOV 93

PREDICTED 29 NOV-01 DEC 92/91/89

90-DAY MEAN 28 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 NOV 09

ESTIMATED AFR/AP 28 NOV 05/06

PREDICTED AFR/AP 29 NOV-01 DEC 03/04 - 05/06 - 11/12

SOLTERWARN

SPAN

BT