

NNNN

KBOU

HFUS 1 BOU 170550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 17 OCTOBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

**BT**

NNNN

KBOU

HFUS 1 BOU 171310

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 17 OCTOBER 1972

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NO EVEN SUBFLARES HAVE BEEN  
REPORTED THIS GREENWICH DAY.

REGION 448 (S15E68) HAS A FAIRLY COMPLEX STRUCTURE. AT PRESENT,  
IT IS NOT INTENSE AT MOST WAVELENGTHS, THOUGH ITS 9.1 CM BRIGHTNESS  
TEMPERATURE HAS INCREASED TO 300,000 DEG K.

IB. PROSPECTS ARE FAVORABLE FOR DEVELOPMENT OF REGION 448 ALONG WITH  
ADJACENT 446 (S05E55) INTO A SOURCE OF ENERGETIC FLARES OVER THE  
NEXT TWO TO FIVE DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN  
SO FOR ANOTHER 36 HOURS.

III. EVENT PROBABILITIES 17 - 19 OCT

CLASS M 30/40/40

CLASS X 05/07/07

PROTON 01/03/03

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCT 107

PREDICTED 17 - 19 OCT 111/114/117

90-DAY MEAN 16 OCT 117.2

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 OCT 07

ESTIMATED 16 OCT 09

PREDICTED 17-19 OCT 04/04/10

SOLTERWARN

**BT**

NNNN

KBOU

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 OCT 1972

IA. SOLAR ACTIVITY IS STILL AT A VERY LOW LEVEL. REGION 448  
/S16E56/ CONTINUES TO GROW. THE LARGE LEADER SPOT IN THIS  
REGION IS FRAGMENTED INTO SEVERAL UMBRAE BUT MAGNETIC CLASS-  
IFICATION IS UNCERTAIN DUE TO POOR OBSERVING CONDITIONS. A  
COMPLEX NEUTRAL LINE WITH SEVERAL KINKS TRAVERSES THIS REGION  
AND EXTENDS TO NEARBY REGION 446 /S05E44/ WHICH APPEARS TO BE  
A SIMPLE BETA TYPE.

IB. PROSPECTS REMAIN FAVORABLE FOR DEVELOPMENT OF REGION 448  
AND ADJACENT 446 INTO A SOURCE OF ENERGETIC FLARES OVER THE  
NEXT SEVERAL DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO  
REMAIN SO FOR THE NEXT 24 HOURS. UNSETTLED CONDITIONS ARE EX-  
PECTED FOR THE FOLLOWING 48 HOURS.

III. EVENT PROBABILITIES 18-20 OCT

CLASS M 30/40/40

CLASS X 05/07/07

PROTON 01/03/03

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 17 OCT 114

PREDICTED 18-20 OCT 118/122/124

90-DAY MEAN 17 OCT 117.3

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 16 OCT 010

ESTIMATED 17 OCT 001

PREDICTED 18-20 OCT 003/010/010

SOLTERWARN

SPAN

**BT**