

NNNN

KBOU

HOUS 2 BOU 010200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
01/0200Z APRIL 1973

I. SUNSPOT DATA FROM BOULDER AT 31/1445Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

061 N07W46 152 0240 C 04 07 ALPHA

064 S05E21 085 0430 D 11 63 BETA

067 N08E63 043 0110 C 04 08 ALPHA

069 N09W35 141 0050 C 05 07 BETA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

II. NONE

III. NONE

SOLTERWARN

SPAN

BT

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HFUS 1 BOU 010601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 091A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 01 APRIL 1973

IA. REGIONS 067 (N08E60) AND 069 (N09W39) HAVE BRIGHT PLAGE AND  
HAVE BEEN ACTIVE DURING THE PAST SIX HOURS.

IB. NO CHANGE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED DURING THE  
PAST 12 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 091 A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600

Z 01 APRIL

1973

I A. Regions 067 (N 08 E 60) and 069 (N 09 W 39) have  
bright plage and have been active during the  
past six hours.

I B. no change.

II. The geomagnetic field has been slightly disturbed  
during the past 12 hours.

III. EVENT PROBABILITIES no change

CLASS M

CLASS X

PROTON

PCAF

IV. OTTAWA 10.7 CM FLUX no change

OBSERVED

PREDICTED

90-DAY MEAN

V. GEOMAGNETIC A INDICES no change

OBSERVED FREDERICKSBURG

ESTIMATED

PREDICTED

*RECD*

COMMA

HFUS 1 BOU 011300  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 091B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 01 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE WITH 15 FLARES REPORTED DURING THE LAST 24 HOURS, DISTRIBUTED ALMOST EVENLY BETWEEN REGIONS 064 (S05E08) 067 (N15E50) AND 069 (N08W51). ALL WERE APPARENTLY NON-ENERGETIC SUBFLARES WITH THE EXCEPTION OF A 1B FLARE OF UNKNOWN X-RAY CLASS FROM REGION 064 AT 0815Z WHICH WAS ACCCOMPANIED BY A SHORT WAVE FADE. SOME GROWTH IN BOTH WHITE LIGHT AND H ALPHA HAS BEEN OBSERVED IN REGIONS 064, 067 AND 069, WHILE REGION 061 (N06W59) APPEARS TO BE DECAYING. MAGNETIC DATA FROM MT WILSON INDICATE POSSIBLE DELTA CONFIGURATIONS DEVELOPING IN BOTH REGIONS 064 AND 067.

IB. WITH THE INCREASED MAGNETIC COMPLEXITY OF REGIONS 064 AND 067, INCREASED SOLAR ACTIVITY IS LIKELY, AND ONE TO THREE CLASS M X-RAY EVENTS ARE LIKELY DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE LAST 12 HOURS AND IS FORECAST TO REMAIN ACTIVE THRU 02 APR, BECOMING UNSETTLED TO QUIET BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 APR - 03 APR

CLASS M 50/55/60

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAR 111

PREDICTED 01 APR - 03 APR 112/115/117

90-DAY MEAN 31 MAR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MAR 11

ESTIMATED 31 MAR 13

PREDICTED 01 APR - 03 APR 17/17/10

SOLTERWARN

SPAN

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NNNN  
KBOU  
HFUS BOU 012235

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 091

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 01 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 064 (S05E03) PRODUCED SUBFLARES, A ONE NORMAL AT 1536Z AND A ONE-BRIGHT AT 0814Z REACHING X-RAY CLASS M-2 ACCCOMPANIED BY SMALL BURSTS AT CM WAVELENGTHS. REGION 067 (N15E45) PRODUCED SUBFLARES AND A ONE-BRIGHT AT 1707Z OF UNKNOWN X-RAY INTENSITY. THIS FLARE WAS ACCCOMPANIED BY SMALL CM BURST AND DEKAMETRIC TYPE III AND II OF IMPORTANCE TWO. SMALL SWFS AND SPAS WERE ALSO OBSERVED. ~~REGIMN~~ 069 (N08W56) PRODUCED SUBFLARES AND A ONE-NORMAL AT 1834Z. ~~064~~ SHOWS GROWTH IN H-ALPHA AND WHITE LIGHT. ARCH FILAMENTS AND A DELTA EXIST. ~~067~~ IS THE BRIGHTEST ON THE DISK AND GROWING IN H-ALPHA AND WHITE LIGHT, THOUGH GROWTH HAS SLOWED. PROBABLE DELTA EXISTS. ~~069~~ HAS BEEN FAIRLY STABLE, SHOWING ONLY SLIGHT GROWTH.

IB. SUBFLARE RATE FROM 069 SHOULD DECLINE. C AND M EVENTS ARE EXPECTED FROM 064 AND 067, WITH PROBABILITIES SLIGHTLY HIGHER FROM 067. X-CLASS EVENTS ARE POSSIBLE FROM EITHER REGION. ACTIVITY AT SE 01-10 INDICATES PROBABLE RETURN OF OLD 055 AND 057, POSSIBLY FOLLOWED BY 056 WITHIN 24 HOURS.

II. MINOR MAGNETIC STORM CONDITIONS BEGAN 01/1300Z AND STILL EXIST. ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED TO PERSIST INTO 02 APRIL.

III. EVENT PROBABILITIES 02 APR - 04 APR.

CLASS M 80/85/85

CLASS X 20/25/25

PROTON 02/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 01 APR 115

PREDICTED 02 APR - 04 APR 117/118/120

90-DAY MEAN 01 APR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 31 MAR 19

ESTIMATED 01 APR 29

PREDICTED 02 APR - 04 APR 20/10/10

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SPAN

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Spelling

Bad English  
To start  
sentences  
with a  
number.  
Should start  
with Region--

Should be SOLAR/GEOPHYSICAL

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