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KBOU

HOUS 2 BOU 080200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 080200Z APR 1973

I. SUNSPOT DATA FROM CANARY AT 070830Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

064	S06W71	083	0350	D	05	15	BETA
067	N12W31	043	0150	C	03	06	BETA
071	S12E19	353	0060	H	00	01	ALPHA
072	S13E30	342	0030	H	00	01	ALPHA
074	S08E13	359	0020	C	04	08	BETA
077	S07E48	324	0020	D	05	08	BETA

MAGNETIC CLASSIFICATIONS INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN IMP BEGIN MAX END CLASS

077	1F	07/1905Z	1908Z	1921Z			
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III. AREAS OF SPECIAL INTEREST:

REGION 077 (S07E39)

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HFUS 1 BOU 080600

SDF NUMBER 098A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 08 APRIL 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 081300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 098B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 8 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE, WITH SUBFLARE ACTIVITY (FROM 064 (S06W88) 074 (S08W02) AND 077 (S07E33)) INCREASING THREEFOLD SINCE YESTERDAY. MINOR SID'S HAVE BEEN REPORTED. 077 HAS SHOWN VERY SIGNIFICANT GROWTH, INCREASING FROM 20 TO AT LEAST 360 MILLIONTHS IN THE PAST 24 HOURS. THIS REGION IS THE BRIGHTEST AND MOST COMPLEX ON THE DISC, SHOWS AN ARCH FILAMENT SYSTEM, AND CONTAINS A POSSIBLE DELTA CONFIGURATION IN THE TRAILER. OTHER REGIONS ARE LITTLE CHANGED FROM YESTERDAY. 064 SHOWS MINOR SURGE ACTIVITY AS LIMB PASSAGE OCCURS.

IB. REGION 077 IS LIKELY TO PRODUCE M-CLASS EVENTS, AND X-CLASS EVENTS ARE POSSIBLE. M-CLASS EVENTS REMAIN POSSIBLE BUT NOT LIKELY FROM 071 (S12E04) AND 074.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. CONDITIONS SHOULD REMAIN QUIET TO MILDLY UNSETTLED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 08-10 APRIL

CLASS M 60/65/70

CLASS X 05/05/05

PROTON 05/02/02

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 APRIL 110

PREDICTED 08-10 APRIL 108/108/108

90-DAY MEAN 07 APRIL 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 APRIL 06

ESTIMATED 07 APRIL 03

PREDICTED 08-10 APRIL 06/08/18

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Should say Region 077, 064  
poor grammar To  
start sentence with  
a number

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 098

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 08 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE LAST 24 HOURS,  
WITH FREQUENT SUBFLARES FROM REGIONS 074 (S06W07) AND 077  
(S05E29), THE LATTER REGION PRODUCING THE LARGEST NUMBER OF  
FLARES. SMALL RADIO BURSTS AND MINOR SHORT WAVE FADES  
ACCOMPANIED SEVERAL OF THESE SUBFLARES. A M1 X-RAY CLASSIFICATION.

~~2~~, TYPE ~~M3~~ RADIO BURST AT DEKAMETRIC WAVELENGTHS ACCOMPANIED A  
M1 X-RAY CLASSIFICATION. AN IMPORTANCE  
ON FLARE IN REGION 074 AT 1739Z. REGION 077 HAS GROWN VERY  
RAPIDLY IN BOTH WHITE LIGHT AND H-ALPHA, ALTHOUGH GROWTH HAS  
SLOWED CONSIDERABLY IN THE LAST 12 HOURS. MAGNETIC DATA FROM  
MT WILSON INDICATES A POSSIBLE WEAK DELTA IN THE INTERMEDIATE  
SPOTS. REGIONS 071 (S09E00), 072 (S12E11), 078 (S14E12) AND  
079 (S08E17) LIE BETWEEN REGIONS 074 AND 077 WITH A LARGE, NEARL  
CONTINUOUS PLAGE STRETCHING ACROSS MORE THAN 40 DEGREES OF  
LONGITUDE. REGION 074 HAS SHOWN SOME SPOT GROWTH. REGIONS 071,  
072, 078 AND 079 APPEAR QUIET, ALTHOUGH REGION 078 SHOWS A COM-  
PLEX MIXTURE OF POLARITIES. REGION 064 HAS PRODUCED OCCASIONAL  
SUBFLARES AND SURGES AS IT ROTATES OVER THE W LIMB AT S05.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE OR GREATER  
LEVEL. FREQUENT SUBFLARES ARE LIKELY FROM REGION 077 AND POSSIB  
074. THERE IS A GOOD CHANCE OF A LARGER FLARE FROM REGION 077,  
REACHING AT LEAST A CLASS M X-RAY CLASSIFICATION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24  
HOURS. QUIET TO SLIGHTLY UNSETLED CONDITIONS ARE FORECAST  
FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 09 APR - 11 APR.

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 05/07/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 08 APR 121

PREDICTED 09 APR - 11 APR 122/122/120

90-DAY MEAN 08 APR 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 07 APR 03

ESTIMATED 08 APR 06

PREDICTED 09 APR - 11 APR 08/08/08

SOLTERWARN

SPAN

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