

NNNN

KBOU

HOUS 2 BOU 030200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
03/0200Z APRIL 1973

I. SUNSPOT DATA FROM CANARY IS. AT 02/0830Z  
NMBR LOCATION LO AREA Z LL NN MAG-TYPE

061	N07W69	157	0070	H	XX	02	ALPHA
064	S05W03	091	0480	E	14	35	BETA-GAMMA
067	N13E38	050	0220	D	06	06	GAMMA
069	N09W62	150	0050	C	06	03	ALPHA
070	S12E51	037	0020	B	XX	02	BETA
071	S06E87	001	0040	H	XX	01	ALPHA

MAG CLASSES FROM MT. WILSON. DELTAS IN 064 AND 067.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END

067	1B	02/1322Z	1326Z	1352Z
064	1N	02/1532Z	1534Z	1551Z

III. AREAS OF SPECIAL INTEREST-

WATCH SE LIMB FOR OLD 057 AND 056.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 030601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 093A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 03 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS.

REGION 071 (S15E78) HAS BEEN THE MOST ACTIVE, ONLY MINOR SUBFLARES  
HAVE BEEN OBSERVED.

IB. NO CHANGE.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

need either ; or a •

NNNN  
KBOU

HFUS 1 BOU 031300  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 093B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 03 APRIL 1973

I. SOLAR ACTIVITY REMAINS LOW. REGIONS 061/069 (N07W74/N09W67) ARE CONTINUING TO DECLINE, PRODUCING FEW SUBFLARES. REGIONS 064/067 (S05W08/N13E33), WHILE NOT SHOWING MUCH RECENT GROWTH, REMAIN QUITE ACTIVE AND POTENT, AND CONTINUE TO SUBFLARE, EACH PRODUCING AN OPTICAL CLASS 1 FLARE EARLY IN THE FOREGOING 24 HOUR PERIOD. REGIONS 070/071 (S12E46/S06E32) ARE SMALL, SHOWING ONLY MINOR PLAGE ACTIVITY AND AN OCCASIONAL SUBFLARE.

IB. DESPITE THE CURRENT LULL IN SOLAR ACTIVITY, THE LARGE ACTIVE REGIONS 064/067 HAVE STRONG POTENTIAL FOR MODERATELY ENERGETIC EVENTS, AND SOME POSSIBILITY OF CLASS X OR PROTON EVENTS. EAST LIMB ACTIVITY EVIDENCES THE RETURN OF OLD REGIONS 056/057.

II. THE GEOMAGNETIC FIELD HAS QUIETED CONSIDERABLY SINCE YESTERDAY'S STORM, AND ITS DECLINING TREND SHOULD BE GRADUAL, TOWARD AN UNSETLED STATE, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 APR - 05 APR

CLASS M	35/85/80
CLASS X	25/25/10
PROTON	05/10/10
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	02 APR 122
PREDICTED	03 APR - 05 APR 126/128/126
90-DAY MEAN	02 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	01 APR 67
ESTIMATED	02 APR 36
PREDICTED	03 APR - 05 APR 25/20/15
SOLTERWARN	
SPAN	
BT	

No comma here

should be comma - minor point

how about "last" -  
simple words always  
better

Jim - good forecast

VNNNN

KBOU

HFUS BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO [REDACTED]

SDF NUMBER 093

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 03 APRIL 1973

IA. ACTIVITY CONTINUES MODERATE. REGION 064 (S06W23): MAINTAINS DELTA CONFIGURATION, HAS SHOWN SPOT GROWTH, AND THE LEADER PENUMBRA HAS BROKEN UP SOMEWHAT. 067 (N12E17): SLIGHT DECLINE, AND IS NO LONGER A DELT. BOTH REGIONS CONTINUE TO SUBFLARE, AND BOTH HAVE PRODUCED HIGH C OR LOW M-CLASS ACTIVITY ACCCOMPANIED BY IMPORTANCE 2 TYPE III EVENTS. 061/069 IS AT WEST LIMB AND SHOWS FURTHER DECLINE. 070 (S12E32): GROWTH CONTINUES, BUT THE REGION IS STILL SMALL AND SIMPLE. 071 (S12E65): NOW VISIBLE AS A BIPOLE. NEW REGION 072 HAS APPEARED AT S13 EAST LIMB, IS OLD 057 RETURNING AS AN H-TYPE SPOT.

IB. BOTH 064 AND 067 ARE LIKELY TO PRODUCE M-CLASS EVENTS, AND MAY PRODUCE X-CLASS EVENTS. PROBABILITIES ARE SLIGHTLY HIGHER FOR 064 THAN 067. OLD 056 IS EXPECTED TO RETURN AT S11 WITHIN 12 HOURS.

II. THE MAGNETIC FIELD HAS BEEN UNSETLED DURING DAYLIGHT HOURS AND REACHED MINOR STORM LEVEL DURING NIGHTTIME HOURS. GENERAL LEVELS OF ACTIVITY SHOULD DECREASE DURING THE NEXT THREE DAYS, WITH CONTINUED INCREASED ACTIVITY DURING NIGHTTIME HOURS. POSSIBLE WEAK SUDDEN COMMENCEMENT AND INCREASED UNSETTLEMENT ON 05/0600Z DUE TO 1B FLARE AT 01/1707Z.

III. EVENT PROBABILITIES 04-06 APRIL

CLASS M 75/70/70

CLASS X 20/15/15

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7CM FLUX 128 126  
OBSERVED 03 APRIL 129  
PREDICTED 04-06 APRIL 130/128/126

90-DAY MEAN 03 APRIL 101

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 02 APRIL 37

ESTIMATED 03 APRIL 25

PREDICTED 04-06 APRIL 20/15/15

SOLTERWARN

SPAN

BT