

NNNN

KBOU

HOUS 2 BOU 150200

COR

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
15/0200Z MAR 1973.

I. SUNSPOT DATA FROM CANARY IS. AT 14/0930Z

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG-TYPE
------	----------	----	------	---	----	----	----------

051	S18W48	016	0060	C	//	02	BETA
-----	--------	-----	------	---	----	----	------

054	N12W63	031	0080	C	03	07	BETA
-----	--------	-----	------	---	----	----	------

055	S07W11	340	0220	E	11	28	BETA
-----	--------	-----	------	---	----	----	------

056	S10E03	325	0060	C	02	02	BETA
-----	--------	-----	------	---	----	----	------

057	S13W05	333	0170	D	08	25	BETA-GAMMA-DELTA
-----	--------	-----	------	---	----	----	------------------

058	N07E15	305	----	-	--	--	BETA
-----	--------	-----	------	---	----	----	------

NOTE: MAGNETIC CLASSIFICATIONS FROM MT. WILSON

REGION 058 WAS NOT VISIBLE AT 14/0930Z

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
-----	-----	-------	-----	-----	-------

057	0N	14/0100Z	0112	0140	S
-----	----	----------	------	------	---

054	0B	14/0925Z	0929	0945	MIS
-----	----	----------	------	------	-----

054	0B	14/1348Z	1350	1410	MIS
-----	----	----------	------	------	-----

055	0N	14/1450Z	1453	1520	S
-----	----	----------	------	------	---

054	0N	14/1700Z	1703	1718	S
-----	----	----------	------	------	---

III. AREAS OF SPECIAL INTEREST:

REGION 054 REMAINS UNSTABLE WITH STRONG MAGNETIC GRADIENTS.

MAGNETIC GRADIENTS ARE APPARENTLY INCREASING BETWEEN REGIONS 056

AND 057 AND A DELTA CONFIGURATION IS OBSERVED IN REGION 057.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 074A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 15 MARCH 1973

IA. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL WITH A TOTAL OF SIX FLARES REPORTED SINCE 14/2200Z. THREE OF THESE FLARES OCCURED IN REGION 054 (N12W74). A SUB NORMAL FLARE AT 14/2347Z PRODUCED AN M1 X-RAY EVENT AS MEASURED BY VELA. A ONE NORMAL FLARE, MEASURED AS A C5 X-RAY EVENT, WAS OBSERVED AT 15/0345Z IN THIS REGION. OTHER SUBFLARES WERE REPORTED IN REGION 051 (S18W59) AND 055 (S07W22).

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD CONTINUES QUIET, BUT A SMALL RECURRENT TYPE DISTURBANCE IS EXPECTED TO PRODUCE UNSETTLED CONDITIONS THROUGH MOST OF THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

SUT-rik

NNNN  
KBOU  
HFUS 1 BOU  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 074B  
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 15 MARCH 1973

IA. EXCEPT FOR REGION 054(N12W76), THE OTHER REGIONS ARE ABATING  
IN STRUCTURAL CONFIGURATION AND INTENSITY. THIS IS REFLECTED BY  
THE FACT THAT NO EVENT HAS BEEN REPORTED SINCE THE 0600Z MSG.  
A NEW MAGNETIC FLUX REGION APPEARS TO BE EMERGING ON THE NORTH  
SIDE OF REGION 054 WITH PORTIONS OF THE PLAGE REGION AT MODERATE  
INTENSITY. DURING THE PAST 24 HOURS AN M1(1350Z) AND C9(1703Z)  
OCCURRED IN REGION 54. A C8(1920Z) HAD NO OPTICAL COUNTERPART  
REPORTED.

X Ray events  
~~XXXXXXXXXXXXXXXXXXXX~~

IB. EVENTS UP TO LOW LEVEL CLASS M ARE EXPECTED FROM REGION 054  
PRIOR TO WEST LIMB PASSAGE IN TWO DAYS. SUFFICIENT MAGNETIC  
COMPLEXITY REMAINS IN REGION 057(S13W18) TO PRODUCE EVENTS UP  
TO LOW LEVEL CLASS M.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED  
TO BECOME UNSETTLED DURING THE NEXT 6-18 HOURS AND REMAIN SO FOR  
THE BALANCE OF THE PERIOD.

III. EVENT PROBABILITIES 15 - 17 MAR

CLASS M 60/55/55  
CLASS X 01/01/01  
PROTON 05/05/05  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	14 MAR	121
PREDICTED	15 - 17 MAR	112/110/107
90-DAY MEAN	14 MAR	103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	13 MAR	06
ESTIMATED	14 MAR	03
PREDICTED	15 - 17 MAR	04/12/08

SPAN

BT

NNNN

KBOU

HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 074

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 15 MARCH 1973

IA. FLARE ACTIVITY HAS DECREASED DURING THE PAST 24 HOURS.  
FLUCTUATIONS AND SMALL FLARES HAVE BEEN OBSERVED IN THE  
TRAILING PART OF REGION 055 (S07W31) WHERE TWO SMALL LEADING  
POLARITY SPOTS HAVE FORMED. REGION 054 (N13W80) IS DEVELOPING  
SLOWLY WHILE THE SPOTS IN THE CENTRAL PART OF REGION 057 (S12W22)  
APPEAR TO BE DECAYING.

IB. SMALL CLASS M EVENTS ARE POSSIBLE FROM REGION 054 DURING THE  
NEXT 36-48 HOURS. FLARE ACTIVITY SHOULD DECLINE AFTER THIS REGION  
ROTATES OFF THE DISK.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO MILDLY UNSETTLED  
CONDITIONS ARE EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 16 MAR - 18 MAR.

CLASS M 50/50/30

CLASS X 01/01/01

PROTON 03/03/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 15 MAR 110

PREDICTED 16 MAR - 18 MAR 106/102/98

90-DAY MEAN 15 MAR 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 14 MAR 02

ESTIMATED 15 MAR 02

PREDICTED 16 MAR - 18 MAR 10/08/08

SOLTERWARN

SPAN

BT