

NNNN

KBOU

HOU S 2 BOU 270200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
27/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
26/1730Z. LOCATIONS VALID AT 27 NOV 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0284	S10W40	204	0010	B	04	06	BETA	
0287	S10E08	156	0340	D	09	12	BETA-GAMMA	
0290	S13W79	243	0020	B	04	02	BETA	
0291	N05W21	185	0010	B	04	05	BETA	
0288	S10W69	233	0000	A	00	01	ALPHA	

MAGNETIC CLASSIFICATION INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 27 NOV 0000Z.

NMBR LOCATION LO

0289 S14E33 132

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
287	1B	26/0552Z	0554Z	0603Z	S
287	SB	26/1146Z	1149Z	1156Z	M-1
287	1N	26/1337Z	1341Z	1400Z	S
287	1B	26/1519Z	1522Z	1539Z	S

III. AREAS OF SPECIAL INTEREST-

REGION 287

SOLIERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 270600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 331A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 27 NOVEMBER 1973

IA. REGION 287 (S10E08) CONTINUES TO BE THE MOST ACTIVE DISK
REGION. A CLASS M FLARE WAS OBSERVED AT 27/0310Z WHICH WAS A ONE
BRIGHT. SEVERAL OTHER NON ENERGETIC SUBFLARES WERE OBSERVED FROM
REGION 287.

IB. NO MAJOR FLARES ARE EXPECTED. CLASS C FLARES AND AN
OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM REGION 287.

II. THE GEOMAGNETIC FIELD REMAINS UNSETLED, BUT IS BELOW STORM
LEVEL. THE FIELD WILL REMAIN DISTURBED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

HFUS 1 BOU 271300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 331B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 27 NOVEMBER 1973

IA. SOLAR ACTIVITY REMAINS MODERATE WITH EIGHT SUBFLARES AND ONE IMPORTANCE ONE IN THE PAST 24 HOURS. THIS LATTER EVENT WAS AT 0310Z AND PRODUCED AN M-1 X-RAY BURST. IT WAS IN REGION 287 (S10E02) WHICH REMAINS THE MOST SIGNIFICANT REGION. REGION 291 (N05W27) HAS SHOWN SLOW GROWTH AND HAS PRODUCED 2 SUBFLARES IN THE LAST 24 HOURS. ALL OTHER REGIONS ARE RELATIVELY STABLE.

IB. CLASS C AND AN OCCASIONAL CLASS M FLARES CAN BE EXPECTED FROM REGION 287 AS IT CONTINUES TO RESTRUCTURE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE AND IS EXPECTED TO REMAIN SO FOR THE NEXT 48 HOURS, GRADUALLY BECOMING QUIET.

III. EVENT PROBABILITIES 27 NOV - 29 NOV

CLASS M	30/30/30
CLASS X	08/08/08
PROTON	02/02/02
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	26 NOV 95
PREDICTED	27 NOV - 29 NOV 98/100/101
90-DAY MEAN	26 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	25 NOV 34
ESTIMATED AFR/AP	26 NOV 20/24
PREDICTED AFR/AP	27 NOV - 29 NOV 15/17 - 10/11 - 08/09
SOLTERWARN	
SPAN	
BT	

NNNN

KBOU

HFUS 1 BOU 271300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 331B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 27 NOVEMBER 1973

IA. SOLAR ACTIVITY REMAINS MODERATE WITH EIGHT SUBFLARES AND ONE
IMPORTANCE ONE IN THE PAST 24 HOURS. THIS LATTER EVENT WAS AT 0310Z
AND PRODUCED AN M-1 X-RAY BURST. IT WAS IN REGION 287 (S10E02) WHICH
REMAINS THE MOST SIGNIFICANT REGION. REGION 291 (N05W27) HAS SHOWN
SLOW GROWTH AND HAS PRODUCED 2 SUBFLARES IN THE LAST 24 HOURS. ALL
OTHER REGIONS ARE RELATIVELY STABLE.

IB. CLASS C AND AN OCCASIONAL CLASS M FLARES CAN BE EXPECTED FROM
REGION 287 AS IT CONTINUES TO RESTRUCTURE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE AND IS EXPECTED
TO REMAIN SO FOR THE NEXT 48 HOURS, GRADUALLY BECOMING QUIET.

III. EVENT PROBABILITIES 27 NOV - 29 NOV

CLASS M 30/30/30

CLASS X 08/08/08

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 NOV 95

PREDICTED 27 NOV - 29 NOV 98/100/101

90-DAY MEAN 26 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 NOV 34

ESTIMATED AFR/AP 26 NOV 20/24

PREDICTED AFR/AP 27 NOV - 29 NOV 15/17 - 10/11 - 08/09

SOLTERWARN

SPAN

BT

NFUS 1 BOU 271342 C O R R E C T E D C O P Y
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 331B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 27 NOVEMBER 1973

IA. SOLAR ACTIVITY REMAINS MODERATE WITH EIGHT SUBFLARES AND ONE
IMPORTANCE ONE IN THE PAST 24 HOURS. THIS LATTER EVENT WAS AT 0310Z
AND PRODUCED AN M-1 X-RAY BURST. IT WAS IN REGION 287 (S10E02) WHICH
REMAINS THE MOST SIGNIFICANT REGION. REGION 291 (N05W27) HAS SHOWN
SLOW GROWTH AND HAS PRODUCED 2 SUBFLARES IN THE LAST 24 HOURS. ALL
OTHER REGIONS ARE RELATIVELY STABLE.

IB. CLASS C AND AN OCCASIONAL CLASS M FLARES CAN BE EXPECTED FROM
REGION 287 AS IT CONTINUES TO RESTRUCTURE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE AND IS EXPECTED
TO REMAIN SO FOR THE NEXT 48 HOURS, GRADUALLY BECOMING QUIET.

III. EVENT PROBABILITIES 27 NOV - 29 NOV

CLASS M 30/30/30

CLASS X 08/08/08

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 NOV 95

PREDICTED 27 NOV - 29 NOV 98/100/101

90-DAY MEAN 26 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 NOV 34

ESTIMATED AFR/AP 26 NOV 20/24

PREDICTED AFR/AP 27 NOV - 29 NOV 15/17 - 10/11 - 08/09

SOLTERWARN

SPAN

BT

HFUS BOU 272200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 332 331 (ERROR)
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE WITH 10 FLARES OBSERVED DURING THE PAST 24 HOURS. THE LARGEST FLARE WAS A ONE NORMAL, X-RAY CLASS M-1 IN REGION 287 (S10W00) AT 0310Z. SINCE THIS FLARE, HOWEVER, THE REGION HAS BEEN QUIET. NEW REGION 292 EMERGED SOUTH OF 287 AT S16E01 AND HAS SHOWN STRONG SPOT GROWTH. REGION 291 (N05W31) EXHIBITED A SUBFAINT FLARE AND ASSOCIATED DARK SURGE AT 1822Z. THE LIMBS AND OTHER REGIONS HAVE BEEN RELATIVELY QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO LOW DURING THE NEXT 24 HOURS. REGION 287 HAS DIMINISHED IN MAGNETIC COMPLEXITY AND APPEARS LESS LIKELY TO PRODUCE ENERGETIC ACTIVITY. NO OLD REGIONS ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO BE QUIET FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 28-30 NOV

CLASS M 40/30/20
CLASS X 10/08/05
PROTON 02/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 27 NOV 91
PREDICTED 28-30 NOV 90/89/88
90-DAY MEAN 27 NOV 92

V. GEOMAGNETIC INDICES
OBSERVED FREDERICKSBURG 26 NOV 17
ESTIMATED AFR/AP 27 NOV 08/09
PREDICTED AFR/AP 28 NOV - 30 NOV 05/06 - 05/06 - 10/11
SOLTERWARN
SPAN
BT