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KBOU X

HOUS 2 BOU 300200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED

30/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 2035.

LOCATIONS VALID AT 30 NOV 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
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0284	S11W79	204	0010	A	01	01		ALPHA
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0287	S10W27	152	0225	C	10	19		BETA-GAMMA
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0291	N05W61	186	0080	C	06	09		BETA
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0292	S16W25	150	0030	C	05	06		BETA
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0293	S09W53	178	0030	C	07	08		BETA
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IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 30 NOV 0000.

NMBR	LOCATION	LO
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0289	S13E21	133
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II. NONE

III. NONE

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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 334A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 30 NOV 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY ONE SMALL SUBFLARE
REPORTED DURING THE LAST 24 HOURS. THIS FLARE OCCURRED IN REGION
287(S10W30). THIS REGION HAS APPARENTLY BECOME STABLE AND MAY BE
STARTING TO DECLINE AGAIN. HOWEVER, REGION 287 RETAINS A RELATIVELY
COMPLEX MAGNETIC STRUCTURE AND A BRIGHT COMPACT PLAGE, AND THUS
REMAINS A POSSIBLE SOURCE OF ENERGETIC ACTIVITY. REGION 293(S09W56)
CONTINUES TO GROW SLOWLY BUT REMAINS SIMPLE IN STRUCTURE AND DOES
NOT APPEAR TO BE A LIKELY SOURCE FOR ENERGETIC FLARES.

IB. A LOW TO POSSIBLY MODERATE LEVEL OF SOLAR ACTIVITY IS EXPECTED
THROUGH THE FORECAST PERIOD.

II. THE QUIET GEOMAGNETIC CONDITIONS NOW BEING REPORTED SHOULD
CONTINUE FOR ANOTHER DAY, THEN BECOME UNSETTLED FOR THE LAST 48
HOURS OF THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 334A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 30 NOV 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY ONE SMALL SUBFLARE REPORTED DURING THE LAST 24 HOURS. THIS FLARE OCCURRED IN REGION 287(S10W30). THIS REGION HAS APPARENTLY BECOME STABLE AND MAY BE STARTING TO DECLINE AGAIN. HOWEVER, REGION 287 RETAINS A RELATIVELY COMPLEX MAGNETIC STRUCTURE AND A BRIGHT COMPACT PLAGE, AND THUS REMAINS A POSSIBLE SOURCE OF ENERGETIC ACTIVITY. REGION 293(S09W56) CONTINUES TO GROW SLOWLY BUT REMAINS SIMPLE IN STRUCTURE AND DOES NOT APPEAR TO BE A LIKELY SOURCE FOR ENERGETIC FLARES.

IB. A LOW TO POSSIBLY MODERATE LEVEL OF SOLAR ACTIVITY IS EXPECTED THROUGH THE FORECAST PERIOD.

II. THE QUIET GEOMANGETIC CONDITIONS NOW BEING REPORTED SHOULD CONTINUE FOR ANOTHER DAY, THEN BECOME UNSETTLED FOR THE LAST 48 HOURS OF THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS BOU 301300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 334B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 30 NOV 1973

IA. THE SOLAR DISK HAS BEEN QUIET. REGION 287 (S10W29) SHOWS
SLIGHT DECAY BUT REMAINS WELL STRUCTURED AND MODERATELY BRIGHT AT
INT 3. REGION 292 (S15W33) HAS A SMALL FLUCTUATING PLAGE AND
A NEUTRAL LINE THAT SHOWS SEVERAL BENDS. THE REMAINDER OF THE
DISK IS LITTLE CHANGED.

IB. THE REMAINDER OF THIS FORECAST PERIOD IS EXPECTED TO BE A
REFLECTION OF CURRENT CONDITIONS.

II. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED ON 1 DECEMBER
WITH GENERALLY QUIET CONDITIONS PREVAILING UNTIL THEN.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

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KBOU

HFUS BOU 301300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 334B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 30 NOV 1973

IA. THE SOLAR DISK HAS BEEN QUIET. REGION 287 (S10W29) SHOWS
SLIGHT DECAY BUT REMAINS WELL STRUCTURED AND MODERATELY BRIGHT AT
INT 3. REGION 292 (S15W33) HAS A SMALL FLUCTUATING PLAGE AND
A NEUTRAL LINE THAT SHOWS SEVERAL BENDS. THE REMAINDER OF THE
DISK IS LITTLE CHANGED.

IB. THE REMAINDER OF THIS FORECAST PERIOD IS EXPECTED TO BE A
REFLECTION OF CURRENT CONDITIONS.

II. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED ON 1 DECEMBER
WITH GENERALLY QUIET CONDITIONS PREVAILING UNTIL THEN.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 334

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 NOVEMBER 1973.

IA. SOLAR ACTIVITY CONTINUES TO BE LOW. REGION 287 (S09W43) HAS
PRODUCED ONLY TWO SUBFLARES AND CONTINUES SLOW DECLINE, ALTHOUGH
THE REGION STILL HAS A COMPLEX SPOT CONFIGURATION. NEW REGION 294
(N12E72) HAS NO SPOTS AT THIS TIME. AN ENERGETIC SURGE ON THE
SW LIMB CAUSED A SHORT WAVE FADE AT 15 MHZ FROM 1650 TO 1700Z.

IB. OVERALL, ACTIVITY IS EXPECTED TO REMAIN LOW, ALTHOUGH REGION
287 IS QUITE CAPABLE OF ANOTHER SEQUENCE OF ENERGETIC EVENTS DUR-
ING ITS DECLINE. A SMALL SUBFLARE IN THIS REGION AT 30/1953Z
EVIDENTLY TRIGGERED A MODERATE X-RAY EVENT, ALTHOUGH AN EXACT
MEASUREMENT IS NOT AVAILABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED CONDITIONS
ARE EXPECTED FOR THE NEXT 48 TO 72 HOURS DUE TO A RECURRENT
STORM STRUCTURE.

III. EVENT PROBABILITIES 01 DEC - 03 DEC.

CLASS M 35/35/35

CLASS X 08/08/08

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 30 NOV 102 (ENHANCED BY SOLAR EVENT IN PROGRESS)

PREDICTED 01 DEC - 03 DEC 97/95/94

90-DAY MEAN 30 NOV 92

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 29 NOV 04

ESTIMATED AFR/AP 30 NOV 02/03

PREDICTED AFR/AP 01 DEC - 03 DEC 11/12 - 09/10 - 07/08

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