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KBOU

HOUS 2 BOU 260200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
260200 DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM CANARIES TAKEN AT  
1000Z 25 DEC. LOCATIONS VALID AT 26 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0299 N09W57 200 0030 H 00 01 ALPHA

0300 S18W49 192 0320 E 12 06 BETA

0301 S10W42 185 0040 C 03 02 BETA

0305 S16W69 212 0150 D 08 08 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT CANARIES.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 26 DEC 0000Z.

NMBR LOCATION LO

0302 S12W19 162

0306 S10W64 207

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

300 1N 25/2014Z 2016Z 2039Z -

II. AREAS OF SPECIAL INTEREST-

NONE.

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HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 360A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 26 DECEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE  
REGIONS ON THE DISK HAVE BEEN STABLE AND QUIET. THE LIMBS ARE QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS. MINOR  
NON-ENERGETIC SUBFLARES CAN BE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND WILL REMAIN QUIET  
DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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KBOU

HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 360B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 26 DECEMBER 1973

IA. REGION 305 (S16W75) PRODUCED TWO SMALL FLARES DURING THE PAST  
SEVEN HOURS. ONE OF THE FLARES, A CLASS C-2 ABOUT 0720Z, WAS POSSIBLY  
AS LARGE AS IMPORTANCE ONE. THE OTHER FLARE OCCURRED AT 1125Z AND NO  
X-RAY DATA FOR THAT TIME IS AVAILABLE YET.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT OR NEAR ITS PRESENT LEVEL FOR  
THE REMAINDER OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD IS QUIET WITH NO CHANGE EXPECTED.

III. EVENT PROBABILITIES 26 DEC - 28 DEC

CLASS M 25/25/20

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 DEC 101

PREDICTED 26 DEC - 28 DEC 101/101/98

90-DAY MEAN 25 DEC 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 DEC 03

ESTIMATED AFR/AP 25 DEC 03/04

PREDICTED AFR/AP 26 DEC - 28 DEC 05/06 - 05/06 - 05/06

SOLTERWARN

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HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 360

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 26 DECEMBER 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH REGION 305 (S15W87) PRODUCING A FEW NON-ENERGETIC SUBFLARES AND MINOR SURGES AS IT BEGINS WEST LIMB TRANSIT. TWIN SURGES FROM THE SOUTH PART OF RGN 305 AT 1902Z AND 1955Z CAUSED BRIGHTENINGS IN A SMALL PROMINENCE TO THE SOUTH, AND WEAK DEKAMETRIC TYPE III GROUPS WERE OBSERVED AT THESE TIMES. FORMERLY DYNAMIC RGN 300 (S18W63) HAS NOT FLARED TODAY AND HAS DECLINED TO ONLY TWO SUNSPOTS. OSO-7 EXTREME ULTRAVIOLET MAPS AND CALCIUM IMAGES INDICATE A NEW PLAGE ROTATING OVER EAST LIMB AT S12, BUT NOTHING IS YET APPARENT IN H-ALPHA AT THIS LOCATION.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL AND WILL DECREASE AS REGIONS 299, 300 AND 305 LEAVE THE DISK. NO OLD REGIONS ARE DUE TO RETURN DURING THE FORECAST PERIOD, AND THE VISIBLE SUN WILL PROBABLY BE SPOTLESS BY 29 DEC. THERE IS NO INDICATION THAT THE POSSIBLE REGION ON THE SE LIMB IS ACTIVE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, AND QUIET CONDITIONS ARE EXPECTED TO CONTINUE THROUGH 29 DEC.

III. EVENT PROBABILITIES 27 DEC - 29 DEC.

CLASS M 20/20/10

CLASS X 02/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 26 DEC 96

PREDICTED 27 DEC - 29 DEC 94/92/90

90-DAY MEAN 26 DEC 86

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 25 DEC 02

ESTIMATED AFR/AP 26 DEC 05/06

PREDICTED AFR/AP 27 DEC - 29 DEC 05/06 - 05/06 - 05/06

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