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KBOU

HOUS 2 BOU 250200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
250200Z DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM RAMEY TAKEN AT
24/1610Z. LOCATIONS VALID AT 25 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0299 N08W45 201 0020 H 01 01 ALPHA

0300 S16W36 192 0540 E 12 20 BETA

0305 S14W56 212 0110 D 07 14 BETA

0306 S10W51 207 0000 B 03 03 BETA

MAGNETIC CLASSIFICATION FROM MT. WILSON.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 25 DEC 0000Z.

NMBR LOCATION LO

0301 S09W35 191

0302 S12W06 162

II. NONE.

III. NONE.

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KBOU B

HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 359A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 DECEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. REGION
305 (S15W56) AND REGION 300 (S18W46) HAVE BEEN UNDERGOING SLIGHT
CHANGES BUT HAVE BEEN QUIET.

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

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO REMAIN QUIET
DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 359B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 DECEMBER 1973

IA. SOLAR ACTIVITY VERY LOW. ONE IMPORTANCE OF FLARE OBSERVED WITHIN
THE PAST 24 HOURS. A NEW SPOT GROUP IS DEVELOPING NEAR S09W32. OTHER
DISK FEATURES ARE STABLE OR DECLINING AND THE LIMBS HAVE BEEN QUIET.

IB. INFREQUENT CLASS C FLARES ARE EXPECTED DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN SO
FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 25 DEC - 27 DEC

CLASS M 25/20/20

CLASS X 02/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DEC 101

PREDICTED 25 DEC - 27 DEC 99/98/96

90-DAY MEAN 24 DEC 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 DEC 17

ESTIMATED AFR/AP 24 DEC 04/05

PREDICTED AFR/AP 25 DEC - 27 DEC 05/06 - 05/06 - 05/06

SOLTERWARN

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Merry Xmas to all from SESC

HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 359

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 DEC 1973

IA. SOLAR ACTIVITY HAS INCREASED WITH TWO NON ENERGETIC AND
TWO ENERGETIC FLARES REPORTED IN THE PAST 24 HOURS. THE MOST
RECENT WERE A ONE FAINT - C.4 - AT 2014Z AND A SUBNORMAL - C.3 -
AT 2104Z IN REGION 300.

IB. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

II. THIS SLIGHT RISE IN FLARE ACTIVITY IS EXPECTED TO CONTINUE
FOR THE NEXT 36 TO 48 HOURS IN REGIONS 300/305. NO RETURNING
REGIONS EXPECTED.

GEOMAGNETIC FIELD WILL CONTINUE QUIET.

III. EVENT PROBABILITIES 26 DEC - 28 DEC

CLASS M 25/25/20

CLASS X 02/02/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 DEC 101

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

SOLTERWARN

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*We hope you have
a good new year
Bob Dahlen*

NNNN

VZCZGPA911

PTTUZYUW RUWTGPA1911 3592203-UUUU--RCCPUZ RUCIBSA RUCLBQA RUCLBQH
RUCLTTA RUEAIIA RUEBBLA RUEBJHA RUEBRDA RUEESC RUFLFDA RUHHAGA
RUHHJLT RULYSEE RUWJAGD RUWJSLC RUWLRDK RUWMHEA RUWOHEA RUWDRA.
ZNR UUUUU
P R 252203Z DEC 73 ZEX
FM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
TO RCCPUZ/COVINGTON RAD AND ELEC ENGR DIV NRC OTTAWA CAN
RCCPUZ/J.HRUSKA/MAGNETIC OBS/DEPT OF ENERGY MINES&RESOURCES OTTAWA CAN
RUCIBSA/GE SPACE DIV KING OF PRUSSIA PA/J PEDEN
RUCLBQA/RMSS PATRICK AFB FLA
RUCLBQH/RMSR/USNS REDSTONE
RUCLTTA/R-AERO-YS MARSHALL SFC HUNTSVILLE ALA
RUEAIIA/HANK CALORE COMMOF CIA WASHDC
RUEBBLA/APL-JHU LAUREL MD
RUEBJHA/CODE 7135 NRL WASHDC/MCCULLOUGH
RUEBRDA/NWSED PATUXENT RIVER MD
RUEESC/ARF WASHDC
RUFLFDA/CNET ISSY FRANCE/TLX 20570/
RUFLFDA/SIMON MEUDON FRANCE/TLX 20590/
RUFLFDA/IONOSPHERE DARMSTADT WEST GERMANY/TLX 419291/
RUHHJLT/MCMURDO STA/PASS ALL ANTARCTIC STATIONS
RULYSEE/NAVCOMSTA NOR VA
RUWJAGD/FLT NUM WEA CEN USN PG SCHOOL MONTERREY CAL
RUWJSLC/RMSA/USNS GEN H H ARNOLD

PAGE 2 RUWTGPA1911 UNCLAS

RUWLRDK/GSA LAKEWOOD COLO ATTN AIRBORNE OPERATIONS
RUWMHEA/NWSED MOFFETT FLD CAL
RUWOHEA/DR PAUL SMITH CODE 646 GSFC GREENBELT MD
RUWDRA/JFAM/JPL PASADENA CAL/DEL BEACHAM
INFO RUWDRA/JPL PASADENA CA/FOR H ZIRIN/CAL TECH
RUHHAGA/COGARD ONSOD KAILUA HI
MSES

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UNCLAS SDF NUMBER 359

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PAGE 3 RUWTGPA1911 UNCLAS

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OBSERVED FREDERICKSBURG 24 DEC 03

ESTIMATED AFR/AP 25 DEC 03/04

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