

NNNN

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.

SOLTERWARN

SPAN

BT

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.  
SOLTERWARN  
SPAN  
BT

NNNN

KBOU

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 IMPORATANCE 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

SPAN

BT

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	
SPAN	
BT	

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

SPAN

BT

We hope you have  
a good new year  
a good year  
Dr. Daelen

NNNN

VZCZ0GPA911  
PTTUZYUW RUWTGPA1911 3592203-UUUU--RCCPUZ RUCIBSA RUCLBQA RUCLBQH  
RUCLTA RUEAIIA RUEBBLA RUEBJHA RUEBRDA RUESC RUFLFDA RUHHAGA  
RUHHJLT RULYSEE RUWJAGD RUWJSLC RUWLRDK RUWMHEA RUWHEA RUWTDRA.  
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/G.E SPACE DIV KING OF PRUSSIA PA/J PEDEN  
RUCLBQA/RMSS PATRICK AFB FLA  
RUCLBQH/RMSR/USNS REDSTONE  
RUCLTA/R-AERO-Y'S MARSHALL SFC HUNTSVILLE ALA  
RUEAIIA/HANK CALORE COMMFO CIA WASHDC  
RUEBBLA/APL-JHU LAUREL MD  
RUEBJHA/CODE 7135 NRL WASHDC/MCCULLOUGH  
RUEBRDA/NWSED PATUXENT RIVER MD  
RUESC/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 LAKWOOD COLO ATTN AIRBORNE OPERATIONS  
RUWMHEA/NWSED MOFFETT FLD CAL  
RUWHEA/DR PAUL SMITH CODE 646 GSFC GREENBELT MD  
RUWTDRA/JFAM/JPL PASADENA CAL/DEL BEACHAM  
INFO RUWTDRA/JPL PASADENA CA/FOR H ZIRIN/CAL TECH  
RUHHAGA/COGARD ONSOD KAILUA HI  
OMSES

BT

UNCLAS 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.

PAGE 3 RUWTGPA1911 UNCLAS  
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  
BT  
#1911

NNNN

KBOU

HFXS 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

SPAN

BT

NNNN

KNOL

HFXS KNOL 252202