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HOUS 2 BOU 240200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
240200 DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM RAMEY TAKEN AT
231225. LOCATIONS VALID AT 24 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0299 N08W32 201 0010 H 00 01 ALPHA

0300 S16W24 193 0590 E 06 17 BETA

0305 S15W44 213 0020 D 01 05 BETA

0306 S12W39 208 0010 C 01 04 BETA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 230000Z

NMBR LOCATION LO

0301 S07W22 191

0302 S12E10 159

II. NONE.

III. NONE.

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HFUS 1 BOU 240600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 358A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 24 DECEMBER 1973
IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. ALL
THE REGIONS ON THE DISK APPEAR QUIET AND STABLE AND THE LIMBS ARE
QUIET.
IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.
II. THE GEOMAGNETIC FIELD IS BECOMING QUIET AND THE MINOR
DISTURBANCE APPEARS TO HAVE ENDED.
III. NO CHANGE.
IV. NO CHANGE.
V. NO CHANGE.
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HFUS 1 BOU 241300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 358B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 24 DECEMBER 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY TWO SUBFLARES REPORTED DURING THE LAST 24 HOURS, ONE EACH FROM REGIONS 305 (S15W51) AND 306 (S12W46). OF THESE TWO REGIONS, REGION 305 APPEARS TO HAVE THE GREATEST POTENTIAL FOR ENERGETIC ACTIVITY. THIS REGION NOW CONTAINS A D TYPE SPOT GROUP, BUT GROWTH HAS SLOWED, AND UNLESS FURTHER DEVELOPMENT OCCURS, NO MORE THAN A SMALL CLASS M EVENT CAN BE EXPECTED DURING THE FORECAST PERIOD. REGION 300 (S16W31) CONTINUES TO DECAY SLOWLY AND NOW CONTAINS A DULL, STABLE PLAGE.

IB. SOLAR ACTIVITY SHOULD BE GENERALLY LOW WITH A SMALL CLASS M EVENT POSSIBLE FROM REGIONS 305 OR 300. HOWEVER, UNLESS FURTHER DEVELOPMENT OCCURS, LATER FORECASTS WILL SHOW LOWER PROBABILITIES OF AN ENERGETIC EVENT.

II. THE GEOMAGNETIC FIELD CONTINUES SLIGHTLY UNSETTLED, BUT SHOULD BECOME QUIET EARLY IN THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24 DEC - 26 DEC

CLASS M 45/40/35

CLASS X 03/03/02

PROTON 03/03/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DEC 99

PREDICTED 24 DEC - 26 DEC 99/98/96

90-DAY MEAN 23 DEC 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 DEC 19

ESTIMATED AFR/AP 23 DEC 20/24

PREDICTED AFR/AP 24 DEC - 26 DEC 10/11 - 05/06 - 05/06

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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 358

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 DEC 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO ACTIVITY IN LAST
20 HOURS AND ONLY 2 SUBFLARES IN THE LAST 24 HOURS, ONE EACH FROM
REGIONS 305 (S14W55) AND 306 (S10W50). REGION 305, THE LARGER OF
THESE TWO REGIONS, NOW CONTAINS A D TYPE SPOT GROUP, BUT WHITE
LIGHT GROWTH HAS APPARENTLY CEASED. REGION 300 (S16W35)
CONTINUES TO SHOW DECAY IN THE INTERMEDIATE AND TRAILING SPOTS
AND NOW CONTAINS A DULL, STABLE PLAGE.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW WITH ONLY A SMALL
CHANCE OF A CLASS M EVENT FROM REGIONS 300 OR 305.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND SHOULD REMAIN
QUIET THROUGH THE FORECAST PERIOD.

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

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