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HOUS 2 BOU 090200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
09/0200Z JANUARY 1973

I. SUNSPOT DATA FROM RAMEY AT 08/1229Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

517 N07W44 146 0240 H 04 03 ALPHA

519 N13W10 112 0210 E 12 33 BETA

003 S16E39 063 0020 H 01 01 ALPHA

005 N15E70 032 0000 A 00 01 ALPHA

MAGNETIC CLASSIFICATION FROM MT WILSON

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECAIL INTEREST-

REGIONS 517 AND 519 ARE BOTH DECLINING BUT ARE STILL RELATIVELY
LARGE AND SHOULD BE WATCHED AS POSSIBLE SOURCES OF ENERGETIC
ACTIVITY.

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HFUS 1 BOU 090600

FROM SPACE ENVIRONMENT SERVICES CENTER OULDER COLO

SDF NUMBER 009A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600 09 JANUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 091310

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 009B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 09 JANUARY 1973

IA. ACTIVITY HAS BEEN LOW IN THE PAST 24 HOURS, WITH REGION 517(N07W57) PRODUCING THREE FLARES. LARGEST OF THESE WAS A ONE-NORMAL WITH MAXIMUM AT 0454Z (269 F.U. AT 20 CM, SMALL BURSTS AT 11 CM AND 6 CM.) BOTH 517 AND 519 (N13W23) CONTINUE SLOW DECAY. REGION 002 (S12W85, NO VISIBLE SPOTS) HAS GENERATED SURGES AND EJECTA AS IT TRANSITS THE LIMB. A NEW "A" TYPE GROUP AT S13W44 (REGION 007) AND A NEW "B" TYPE GROUP AT S15E75 (REGION 006) HAVE BEEN REPORTED.

IB. NO MAJOR ACTIVITY IS EXPECTED. 517 AND 519 MAY PRODUCE SMALL FLARES UP TO MEDIUM CLASS M AS DECLINE CONTINUES. OTHER GROUPS SHOULD REMAIN QUIET UNLESS RAPID GROWTH OCCURS.

II. THE GEPMAGNETIC FIELD HAS BEEN UNSETTLED AND SHOULD REMAIN SO DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09-11 JAN

CLASS M 50/45/40

CLASS X 02/01/01

PROTON 08/07/06

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JAN 107

PREDICTED 09-11 JAN 110/110/110

90-DAY MEAN 08 JAN 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JAN 05

ESTIMATED 08 JAN 13

PREDICTED 09-11 JAN 18/12/08

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HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 009

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 JAN 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE LAST 24 HOURS WITH ONLY 2 FLARES REPORTED. A SMALL IN FLARE OCCURRED AT 09/0454Z IN REGION 517 /N08W60/ ACCOMPANIED BY A 320 FLUX UNIT RADIO BURST AT 1415 MHZ BUT ONLY MINOR FLUX INCREASE AT LOWER AND HIGHER FREQUENCIES. THIS REGION CONTINUES TO DECLINE BUT SOME PLAGE DEVELOPMENT JUST NW OF THE LEADER SUGGESTS THE POSSIBILITY OF A NEW REGION DEVELOPING NEARBY. REGION 519 /N13W27/ CONTINUES TO DECLINE IN BOTH WHITE LIGHT AND H ALPHA.

IB. AS REGIONS 517 AND 519 CONTINUE TO DECLINE, THE CHANCE OF AN ENERGETIC EVENT DIMINISHES. HOWEVER, THE REGION NEAR THE LEADER OF REGION 517 SHOULD BE WATCHED CLOSELY FOR THE POSSIBLE DEVELOPMENT OF A NEW REGION WHICH WOULD INCREASE EVENT PROBABILITIES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE LAST 24 HOURS AND IS FORECAST TO REMAIN SO FOR THE NEXT 24 HOURS, GRADUALLY BECOMING QUIET BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 JAN -12 JAN

CLASS M 40/35/30

CLASS X 01/01/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JAN 107

PREDICTED 10 JAN-12 JAN 106/105/105

90-DAY MEAN 09 JAN 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 JAN 11

ESTIMATED 09 JAN 11

PREDICTED 10 JAN -12 JAN 12/08/06

SOLTERWARN

SPAN

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