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HOUS 2 BOU 230200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 230200Z MAR 1973

I. SUNSPOT DATA FROM RAMEY AT 221230Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

059 N17W03 224 0150 D 06 17 BETA-GAMMA

063 N13E27 194 0005 A 00 01 ALPHA

062 N05E72 149 0020 H 01 01 BETA

061 N09E75 146 0250 H 03 01 ALPHA

how?

NOTE-MAGNETIC TYPE CLASSIFICATIONS FROM MT WILSON

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

CLASS M ACTIVITY IS EXPECTED IF FOLLOWER SPOT GROWTH CONTINUES
SOUTH OF LEADER IN REGION 059.

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SDF NUMBER 082A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 23 MARCH 1973.

IA. REGION 059 (N17W03) CONTINUES TO PRODUCE WEAK X-RAY EVENTS.
SUBFLARES FROM THIS REGION AT 22/2306Z AND 23/0201Z WERE ACCCOMPANIED
BY CLASS C7, AND C3 X-RAY EVENTS. REGION 061 (N09E75) PRODUCED
A CLASS C5 SUBLARE AT 0450Z.

II. THE GEOMAGNETIC DISTURBANCE CONTINUES.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 082B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 23 MARCH 1973

IA. SOLAR ACTIVITY CONTINUES LOW. SOME TWENTY C-CLASS SUBFLARES HAVE BEEN NOTED DURING THE PAST 24 HOURS. THESE SUBFLARES HAVE BEEN ABOUT EQUALLY DIVIDED BETWEEN REGION 059(N17W10) AND REGION 062(N05E65). REGION 059 IS REPORTED STABLE TO DECLINING, BUT THERE IS A POSSIBILITY THAT IT NOW CONTAINS A DELTA CONFIGURATION IN THE LEADER. REGION 062 HAS GROWN TO A D-CLASS SPOT GROUP.

IB. THE PROBABILITY OF SMALL M-CLASS X-RAY EVENTS IS SOMEWHAT HIGHER, PENDING CONFIRMATION OF A DELTA CONFIGURATION IN REGION 059. LARGE ENERGETIC FLARES ARE NOT ANTICIPATED.

II. THE MINOR GEOMAGNETIC STORM CONTINUES. THE FIELD IS EXPECTED TO REMAIN DISTURBED, BUT TO GRADUALLY BECOME QUIETER OVER THE NEXT SEVEN DAYS.

III. EVENT PROBABILITIES 23 - 25 MAR

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAR 91

PREDICTED 23- 25 MAR 92/95/96

90-DAY MEAN 22 MAR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAR 42

ESTIMATED 22 MAR 31

PREDICTED 23- 25 MAR 39/44/31

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HFUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 082

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 23 MARCH 1973

IA. FIFTEEN FLARES HAVE BEEN REPORTED FROM REGION 059 (N15W21) AND NINE FLARES HAVE BEEN REPORTED FROM REGIONS 061/062 DURING THE PAST 24 HOURS. NO XRAY EVENT HAS EXCEEDED CLASS C5. REGION 059 IS CLASSED MAGNETICALLY AS A BETA DELTA. LATEST OBSERVATIONS INDICATE PROBABILITY OF ADDITIONAL EMERGENCE OF NEW FLUX FIELDS. REGION 061 (N08E59) AND 062 (N05E58) SHARE A COMMON PLAGE. REGION 062 HAS BEEN ANALYZED BY BOULDER'S SPECTROSCOPE AS BEING A REGION WITH REVERSED POLARITY.

IB. DUE TO THE MAGNETIC STRUCTURE AND APPARENT EMERGENCE OF NEW FLUX FIELDS IN REGIONS 059 AND 061/062, PROBABILITIES FOR CLASS M EVENTS ARE INCREASED. ONE TO THREE CLASS M EVENTS ARE EXPECTED DURING THE NEXT 48 HOURS.

II. MINOR GEOMAGNETIC STORM CONDITIONS CONTINUE. THESE CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 36 HOURS AT MID LATITUDE STATIONS WITH A GRADUAL ABATEMENT TO MODERATELY ACTIVE CONDITIONS.

III. EVENT PROBABILITES 24-26 MARCH

CLASS M 50/40/30

CLASS X 01/01/01

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MARCH 88

PREDICTED 24-26 MAR 90/93/95

90-DAY MEAN 23 MAR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 MAR 33

ESTIMATED 23 MAR 30

PREDICTED 24 - 26 MAR 40/30/25

SOLTERWARN

SPAN

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