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HOUS 2 BOU 0140200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
14/0200 FEB 1973

I. SUNSPOT DATA FROM CANARY ISLANDS AT 13/0825Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

029 N08W24 015 0040 C 03 16 ALPHA

030 N12W28 019 0150 C 04 07 BETA

031 N12W43 036 0010 B 05 05 BETA

033 S04E16 335 0010 C 03 03 ALPHA

034 S17E42 309 0140 D 08 06 BETA

036 S17W27 018 0010 A 00 01 ALPHA

037 S08E63 288 0040 D 05 08 B-GAMMA DELTA

038 N15E03 358 0010 B 02 04 ---

MAGNETIC CLASSIFICATIONS FROM MT. WILSON

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-
NONE

III. AREAS OF SPECIAL INTEREST-

REGION 037 - MT WILSON REPORTS MAGNETIC COMPLEXITY

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HOUS 1 BOU 140600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 045A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 140600Z FEB 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 141300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 045B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 14 FEBRUARY 1973

IA. SOLAR ACTIVITY REMAINS LOW WITH THREE SUBFLARES BEING REPORTED DURING THE PAST 15 HOURS. SUNSPOT GROWTH AND FLARE BRIGHTENINGS TO NEAR FLARE INTENSITY HAVE OCCURRED IN REGION 034 (S17E29) AND IN AN EMERGING GROUP JUST NORTH OF REGION 031 (N12W56). ONLY SMALL STRUCTURAL CHANGES HAVE OCCURRED IN REGIONS 029 (N08W37) AND 037 (S08E50).

IB. CLASS C EVENTS ARE EXPECTED FROM THE FOUR REGIONS MENTIONED ABOVE. A CLASS M EVENT IS POSSIBLE BUT NOT EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. NO "STORM" HAS FOLLOWED THE SUDDEN COMMENCEMENT OF 13/2120Z. THE PREDICTED A INDICES FROM THE 13/2200Z FORECAST ARE ADJUSTED. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET FOR APPROXIMATELY 18 HOURS AND THEN BECOME MODERATELY UNSETTLED, WITH SHORT PERIODS OF SLIGHTLY ACTIVE CONDITIONS DURING LOCAL NIGHT TIME, IN RESPONSE TO A RECURRENT SUBSECTOR.

III. EVENT PROBABILITIES 14-16 FEB

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 FEB 108

PREDICTED 14-16 FEB 108/107/107

90-DAY MEAN 13 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 FEB 08

ESTIMATED 13 FEB 02

PREDICTED 14-16 FEB 06/05/14

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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 045

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 FEB 1973

IA. SOLAR ACTIVITY CONTINUES LOW. THE EIGHT ACTIVE REGIONS CURRENTLY OBSERVED ON THE DISK HAVE BEEN SEEN TO PRODUCE ONLY FIVE C-CLASS SUBFLARES IN THE PAST 24 HOURS. SHORT FAIRLY INTENSE STORMS OF TYPE III RADIO BURSTS WERE NOTED AT 1905Z AND 2050Z. THESE EVENTS WERE ACCOMPANIED BY SMALL X-RAY BURSTS AND 10 TO 20 FLUX UNIT INCREASES AT CENTIMETER WAVELENGTHS. THE SOURCE OF THESE EVENTS IS UNKNOWN SINCE MOST OBSERVATORIES HAVE BEEN CLOUDED OUT, BUT NEW REGION 039 /N15W61/ IS THOUGHT TO BE RESPONSIBLE. REGION 034 /S17E23/ CONTINUES SLOW GROWTH. ALL OTHER REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. C-CLASS SUBFLARES MAY BE EXPECTED AND EITHER OF REGIONS 034 OR 039 ARE THOUGHT CAPABLE OF PRODUCING A SMALL M-CLASS FLARE DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED EARLY IN THE FORECAST PERIOD AND REMAIN SO THROUGHOUT THE 72-HOUR FORECAST PERIOD.

III. EVENT PROBABILITIES 15 FEB - 17 FEB

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 FEB 108

PREDICTED 15-17 FEB 108/108/107

90-DAY MEAN 14 FEB 104

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 FEB 04

ESTIMATED 14 FEB 06

PREDICTED 15-17 FEB 06/14/10

SOLTERWARN

SPAN

BT