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HOUS 2 BOU 060200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
06/0200 MARCH 1973

I. SUNSPOT DATA FROM BOULDER AT 05/1545Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

044 N08W60 143 0320 H 06 06 ALPHA

051 S18E65 018 0140 C 06 10 BETA

MAGNETIC POLARITIES INFERRED AT BOULDER

II. NONE

III. NONE

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HFUS 1 BOU 060600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 065

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 06 MARCH 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

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 065B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 06 MARCH 1973

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY BUT REMAINS LOW, WITH
FOUR SUBFLARES REPORTED IN THE PAST 24 HOURS FROM REGION 051(S18E52).
A O.N. AT 06/0922Z REACHED X-RAY CLASS C-9 AND PRODUCED A 10-CM
BURST OF 73 FLUX UNITS. REGION 051 IS UNSTABLE AND GROWING. REGION
044 CONTINUES DECLINE. NEW REGION 052(N06W56) IS APPEARING IN THE
REMAINS OF 044. A PLAGE REGION HAS ROTATED ONTO THE DISC AT SE20,
AND MINOR SURGE ACTIVITY HAS BEEN OBSERVED AT SE15.

IB. REGION 051 APPEARS TO BE TAKING THE PLACE OF 044 AS THE
CENTER OF INTEREST. M-CLASS EVENTS ARE POSSIBLE FROM EITHER REGION,
BUT ARE MORE LIKELY FROM 051.

II. THE GEOMAGNETIC FIELD BECAME UNSETTLED AT 05/1800Z, AND IS
EXPECTED TO REMAIN SO DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 06 - 08 MAR

CLASS M 40/40/40

CLASS X 02/02/02

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAR 96

PREDICTED 06 - 08 MAR 94/94/94

90-DAY MEAN 05 MAR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MAR 02

ESTIMATED 05 MAR 02

PREDICTED 06 - 08 MAR 12/10/10

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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 065

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 MARCH 1973.

IA. SUBFLARE ACTIVITY HAS INCREASED DUE TO THE EMERGENCE OF A NEW BIPOLE IMMEDIATELY NORTH OF OLD REGION 051 (S18E46). THE TRAILING SPOTS OF THIS NEW BIPOLE, DESIGNATED REGION 053, ARE BUTTED UP AGAINST THE LARGE LEADER SPOT OF REGION 51 CAUSING TIGHT FIELD GRADIENTS. FLARES OF IMPORTANCE SN AT 05/2155Z AND SB AT 06/1948Z PRODUCED MINOR SHORTWAVE FADEOUTS. THE 05/2155Z FLARE WAS OBSERVED IN THE D3 LINE OF HELIUM. NONE OF THE FLARES HAVE REACHED THE CLASS M THRESHOLD. ANOTHER NEW REGION, 052 (N07W66), HAS EMERGED BEHIND OLD REGION 044.

IB. CONTINUED SUBFLARE ACTIVITY IS EXPECTED FROM THE 051/053 COMPLEX FOR THE NEXT 24-48 HOURS. CLASS M EVENTS ARE POSSIBLE. MINOR SURGE ACTIVITY ON THE SOUTHEAST LIMB INDICATES THAT EITHER A NEW REGION OR OLD REGION 034, EXPECTED TO RETURN ON 08 MARCH, IS APPROACHING THE VISIBLE DISK.

II. THE GEOMAGNETIC FIELD WAS ACTIVE 06/0500-1700Z. IT HAS BEEN QUIET SINCE 06/1700Z. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING LOCAL NIGHT THROUGH 09 MARCH.

III. EVENT PROBABILITIES 07 MAR - 09 MAR.

CLASS M 50/50/40

CLASS X 02/02/01

PROTON 02/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 06 MAR 100

PREDICTED 07 MAR - 09 MAR 100/99/99

90-DAY MEAN 06 MAR 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 05 MAR 02

ESTIMATED 06 MAR 22

PREDICTED 07 MAR - 09 MAR 16/12/10

SOLTERWARN

SPAN

BT