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HOUS 2 BOU 260200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
26/0200Z MARCH 1973

I. SUNSPOT DATA FROM PALEHUA AT 25/1820Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

059 N14W48 226 0150 C 03 09 BETA-GAMMA-DELTA

061 N07E31 147 0380 H 04 01 ALPHA

062 N04E30 148 0040 D 07 08 ALPHA

NOTE- MAGNETIC CLASSIFICATIONS FROM MT WILSON.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

059 OB 25/0037Z 0044Z 0053Z M3S

059 ON 25/0505Z 0505Z 0527Z M1S

059 OB 25/0909Z 0915Z 0930Z M3S

III. AREAS OF SPECIAL INTEREST-

REGION 059 APPARENTLY CONTINUES TO POSSESS A DELTA CONFIGURATION.

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HFUS 1 BOU 260601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 085A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 26 MARCH 1973

IA. ONLY MINOR ACTIVITY HAS BEEN OBSERVED DURING THE PAST 8 HOURS.

IB. SMALL ACTIVITY AT S08 EAST LIMB INDICATES A RETURNING REGION.

II. THE GEOMAGNETIC FIELD IS STILL DISTURBED BUT IS EXPECTED TO  
GRADUALLY BECOME LESS DISTURBED DURING THE NEXT 24 HOURS.

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 085B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 26 MARCH 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 15 HOURS, WITH ONLY FOUR SUBFLARES REPORTED. REGION 059(N14W57) SEEMS TO HAVE DECLINED SLIGHTLY BUT STILL POSSESSES A DELTA CONFIGURATION. THE REGION 061/062 COMPLEX (N07E21) APPEARS STABLE. A LIMB FLARE AND SURGES AT SE06 INDICATE A NEW REGION APPROACHING, BUT SPOTS ARE NOT YET VISIBLE.

IB. ENERGETIC ACTIVITY IS NOT EXPECTED FROM REGIONS 061/062, ALTHOUGH REGION 059 RETAINS THE POTENTIAL FOR OCCASIONAL CLASS M EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE PAST 24 HOURS. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 26 - 28 MAR

CLASS M 60/50/40

CLASS X 02/02/01

PROTON 03/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAR 91

PREDICTED 26 - 28 MAR 92/94/96

90-DAY MEAN 25 MAR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAR 33

ESTIMATED 25 MAR 36

PREDICTED 26 - 28 MAR 26/15/15

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Minor Mag Storm  
"Active" only goes to 25

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HFUS 2 BOU 261800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 26 MARCH 73.

THIS MESSAGE IN THREE PARTS.

PART I. THIS FORECAST ISSUED AT 1800Z EACH MONDAY IS VALID FOR A 27 DAY PERIOD. A 27-DAY MEAN VALUE OF 2800 MHZ FLUX DENSITY IS GIVEN WITH THE INCLUSIVE DATES OF EXPECTED SIGNIFICANT DEVIATIONS FROM THE MEAN. SEE 05 MAR 73 FORECAST FOR DEFINITIONS.

PART II. 27-DAY 2800 MHZ FLUX DENSITY FORECAST:

A. MEAN 100

B. SIGNIFICANT DEVIATIONS: ABOVE MEAN 7-9 APRIL

PART III. 27-DAY SOLAR EVENT FORECAST:

A. MINOR SOLAR EVENTS 4 TO 6

MAJOR SOLAR EVENTS 1 OR NONE

B. EXPECT MOST ACTIVITY: 3-12 APRIL

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HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 085

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 26 MARCH 1973

IA. SOLAR ACTIVITY HAS DECREASED WITH ONLY 8 NON-ENERGETIC FLARES REPORTED DURING THE LAST 24 HOURS. REGION 059 (N15W64) PRODUCED 5 SUBFLARES BUT HAS SHOWN CONSIDERABLE PLAGE AND SPOT DECAY. NO MAGNETIC DATA HAS BEEN RECEIVED TODAY, BUT THERE IS A GOOD CHANCE THAT THE DELTA CONFIGURATION NO LONGER EXISTS IN REGION 59. SOME SPOT GROWTH HAS OCCURRED NW OF THE COMPLEX OF REGIONS 061 (N06E17) AND 62 (N05E17). A SMALL SUBFLARE WAS OBSERVED FROM REGION 061 AT 0250Z. AN ACTIVE DARK FILAMENT NORTH OF REGION 061 DISAPPEARED BETWEEN 1715-1850Z. A ONE NORMAL FLARE WAS OBSERVED IN THIS REGION (N10E22) REACHING A MAXIMUM AT APPROXIMATELY 1955Z. THIS FLARE HAD A LONG RISE AND FALL TIME WITH A TOTAL DURATION OF 93 MINUTES. THERE WAS NO INDICATION OF SIGNIFICANT X-RAY EMISSIONS OR RADIO BURSTS, BUT A 38 MINUTE SHORT WAVE FADE WAS OBSERVED AT SAGAMORE HILL. MODERATE SURGE ACTIVITY HAS BEEN OBSERVED AT SE04-06 AND A NON-ENERGETIC SUBFLARE WAS OBSERVED ON THE SE LIMB AT 0725Z. X-RAY DATA FROM THE OSO-7 SATELLITE INDICATED A CONSIDERABLY ENHANCED 8-15 ANGSTROM FLUX ON THE SE LIMB. SOME PLAGE IS BEGINNING TO ROTATE ONTO THE DISK.

IB. REGION 059 NO LONGER APPEARS TO BE A LIKELY SOURCE OF ENERGETIC EVENTS. THERE IS A CHANCE OF A SMALL M CLASS X-RAY EVENT FROM REGIONS 061/062. THE FLARE POTENTIAL FOR THE NEW REGION ON THE SE LIMB CANNOT BE DETERMINED UNTIL THE REGION ROTATES FURTHER ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE LAST 24 HOURS. UNSETTLED DAYTIME AND ACTIVE NIGHTTIME CONDITIONS ARE EXPECTED FOR THE NEXT 48 HOURS WITH SOME INCREASED DISTURBANCE LIKELY ON THE 29TH.

III. EVENT PROBABILITIES 27 MAR - 29 MAR.

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 26 MAR 89

PREDICTED 27 MAR - 29 MAR 90/92/93

90-DAY MEAN 26 MAR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 25 MAR 42

ESTIMATED 26 MAR 19

PREDICTED 27 MAR - 29 MAR 15/15/20

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SPAN

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