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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 25 JUN 1973

IA. NO CHANGE.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, WITH THE FEW SUBFLARES REPORTED
COMING FROM REGION 147 (S08W21). WHILE REGION 147 SEEMS TO BE WEAKENING,
IT SHOWS MINOR RESTRUCTURING AND MAY CONTAIN A WEAK DELTA CONFIGURATION.
OTHER REGIONS ON THE DISK CONTINUE THEIR SLOW DECLINE# THE LARGE WEST
LIMB PROMINENCE HAS BEEN ACTIVE AND NOW SEEMS TO BE SLOWLY ERUPTING.
IB. THE POTENTIAL FOR ENERGETIC FLARE ACTIVITY IS LOW, AND ONLY SUB-
FLARES ARE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 12 HOURS FOLLOWING
YESTERDAY'S MINOR DISTURBANCE. IT IS EXPECTED TO REMAIN QUIET TO
PERHAPS UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 JUN - 27 JUN

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUN 104

PREDICTED 25 JUN - 27 JUN 103/101/100

90-DAY MEAN 24 JUN 099

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JUN 10

ESTIMATED 24 JUN 23

PREDICTED 25 JUN - 27 JUN 05/05/08

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HFUS 2 BOU 251800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 25 JUNE 1973

THIS MESSAGE IN THREE PARTS.

PART I. THIS FORECAST ISSUED AT 1800Z EACH MONDAY IS VALID FOR A 27 DAY PERIOD. A 27-DAYMEAN VALUE OF 2800 MHZ FLUX DENSITY IS GIVEN WITH THE INCLUSIVE DATES OF EXPECTED SIGNIFICANT DEVIATIONS FROM THE MEAN. SEE 04 JUNE FORECAST FOR DEFINITIONS.

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

A. MEAN 094

B. SIGNIFICANT DEVIATIONS:

SLIGHTLY ABOVE MEAN 26-27 JUNE, 18-19 JULY

SLIGHTLY BELOW MEAN 8 JULY

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS 5-6

CLASS X SOLAR EVENTS NONE OR ONE

B. EXPECT MOST ACTIVITY: 10-15 JULY

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 176

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY A FEW SUBFLARES, ALL
CLASS C OR LESS, HAVE BEEN OBSERVED, PRIMARILY IN REGION
147 (S08W28). REGION 147 HAS DEVELOPED IN SPOT AREA AND CONTAINS
A SMALL SECTION OF MAGNETIC COMPLEXITY ATTACHED TO THE MAIN
LEADER SPOT. THE H-ALPHA PLAGE REMAINS BRIGHT AND COMPACT.
REGION 149 (S02W12) HAS DEVELOPED WITH GROWTH OF COMPACT PLAGE
NEAR THE CENTRAL MAGNETIC INVERSION LINE. REGION 150 (S12E00)
APPEARS TO BE STABLE WITH SOME SIGN OF DECLINE BEGINNING. A
SMALL NEW REGION (154, S18E20) HAS APPEARED, BUT DOES NOT APPEAR
LIKELY TO DEVELOP TO A SOURCE OF ENERGETIC ACTIVITY.

IB. CONTINUED SUBFLARES ARE EXPECTED. REGION 147 APPEARS
CAPABLE OF GENERATING AT LEAST ONE FLARE OF MODERATE CLASS M
INTENSITY IN THE NEXT THREE DAYS WHILE REGION 149 COULD PRODUCE
A SMALL CLASS M EVENT.

II. A SHORT PERIOD OF MAGNETIC DISTURBANCE ENDED ABOUT 25/0000Z.
DOMINANCE OF POSITIVE INTERPLANETARY POLARITY MAGNETIC FIELD
UNTIL 29 JUNE IS EXPECTED TO BE ASSOCIATED WITH QUIET MAGNETIC
CONDITIONS THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 26 JUN - 28 JUN.

CLASS M 35/35/35

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 25 JUN 098

PREDICTED 26 JUN - 28 JUN 096/094/093

90-DAY MEAN 25 JUN 099

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 24 JUN 26

ESTIMATED 25 JUN 04

PREDICTED 26 JUN - 28 JUN 06/05/06

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