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HOUS 2 BOU 040200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 040200Z JUNE 1973.

I. REGIONS WITH SUNSPOTS. DATA FROM BOULDER. LOCATIONS VALID AT 04/0000Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0123 S13W31 001 0010 B 04 07 BETA

0124 S17E15 315 0000 A 01 02 ALPHA

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 04/0000Z

NMBR LOCATION LO

0118 S12W07 337

0119 N11W25 355

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

NONE

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HFUS 1 BOU 040600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 155A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 04 JUNE 1973.

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. NO FLARES HAVE
BEEN OBSERVED DURING THE PAST 24 HOURS.

IB. THE GEOMAGNETIC FIELD REMAINS SLIGHTLY DISTURBED.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 041310
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 155B
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 04 JUNE 1973
IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH NO SUBFLARES OBSERVED
DURING THE PAST 24 HOURS. REGIONS 123 (S14W42) AND 124 (S15E08)
APPEAR TO BE EITHER STABLE OR DECLINING.
IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW THROUGH THE
FORECAST PERIOD.
II. THE GEOMAGNETIC FIELD REMAINS SLIGHTLY DISTURBED AND IS
EXPECTED TO CONTINUE SO THROUGH THE FORECAST PERIOD.
III. EVENT PROBABILITIES 04-06 JUN
CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7CM FLUX
OBSERVED 03 JUNE 79
PREDICTED 04-06 JUNE 78/76/78
90-DAY MEAN 03 JUN 101
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 02 JUN 17
ESTIMATED 03 JUN 14
PREDICTED 04-06 JUN 12/12/10
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HFUS 2 BOU 042048

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 04 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-DAY MEAN VALUE OF 2800 MHZ FLUX IS GIVEN WITH THE INCLUSIVE DATES TO EXPECT SIGNIFICANT DEVIATIONS FROM THE MEAN.

A. THE FOLLOWING CATEGORIES ARE USED:

1. MUCH BELOW MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE MORE THAN 20 PERCENT BELOW THE EXPECTED MEAN.

2. BELOW MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE 10 TO 20 PERCENT BELOW THE EXPECTED MEAN.

3. ABOVE MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE 10 TO 20 PERCENT ABOVE THE EXPECTED MEAN.

4. MUCH ABOVE MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE MORE THAN 20 PERCENT ABOVE THE EXPECTED MEAN.

B. PART II INDICATES THE EXPECTED MEAN VALUE OF 2800 MHZ (10.7 CM) RADIO FLUX FOR THE ENTIRE PERIOD. WHEN APPROPRIATE, SIGNIFICANT DEVIATIONS FROM THE MEAN, WITH INCLUSIVE DATES TO EXPECT THESE DEVIATIONS, ARE GIVEN.

C. PART III GIVES THE EXPECTED SOLAR EVENT ACTIVITY FOR THE ENTIRE PERIOD. A RANGE IN THE NUMBER OF CLASS M AND CLASS X EVENTS TO EXPECT DURING THE PERIOD IS GIVEN, USUALLY FOLLOWED BY AN APPROPRIATE REMARK INDICATING THE LIKELY PERIOD(S) TO EXPECT THE MOST ACTIVITY.

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

A. MEAN 90

B. SIGNIFICANT DEVIATIONS:

BELOW MEAN 05-06 JUNE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS TWO-FOUR

CLASS X SOLAR EVENTS NONE

B. EXPECT MOST ACTIVITY:

13-20 JUNE

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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 155

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 JUNE 1973.

IA. SOLAR ACTIVITY IS VERY LOW AND FOR THOSE INTERESTED ONLY
IN SOLAR ACTIVITY THE VISIBLE SUN CAN BE DESCRIBED AS "UNINTER-
ESTING." NO FLARES HAVE BEEN REPORTED FOR 47 HOURS. THE VISIBLE
SUN IS MARKED BY SMALL AREAS OF SCATTERED PLAGE AND BROKEN FILA-
MENT SECTIONS. NO SUNSPOTS ARE VISIBLE. A SMALL PLAGE REGION
IS DEVELOPING NEAR N14E59 AND FAINT PLAGE IS CROSSING THE EAST
LIMB NEAR N16. A PROMINENCE ON THE SOUTHWEST LIMB HAS BEEN
SLIGHTLY ACTIVE.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW FOR THE NEXT 72 HOURS.
PREVIOUSLY INACTIVE REGION 108 MAY RETURN 06-07 JUNE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. UNSETTLED
CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS. THE ATS-1 SATELLITE
HAS REGISTERED A LOW-ENERGY PROTON ENHANCEMENT, PROBABLY OF
MAGNETOSPHERIC ORIGIN, THROUGHOUT THE DAY. THE 5-21 MEV CHANNEL
HAS BEEN AS HIGH AS 200 TIMES BACKGROUND.

III. EVENT PROBABILITIES 05 JUN - 07 JUN.

CLASS M 03/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 04 JUN 79

PREDICTED 05 JUN - 07 JUN 78/78/80

90-DAY MEAN 04 JUN 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 03 JUN 13

ESTIMATED 04 JUN 13

PREDICTED 05 JUN - 07 JUN 14/10/08

SOLTERWARN

SPAN

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