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HOUS 2 BOU 070200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
07/0200Z MAY 1973

I. SUNSPOT DATA FROM ATHENS AT 06/1030Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0092 S13E15 333 0520 F 16 53 BETA-GAMMA/DELTA

0095 S13E51 297 0020 C 06 03 BETA

0096 S14W26 014 0010 H 00 01 ----

POLARITIES INFERRED FROM PREVIOUS REGION REPORT.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

092 0N 06/0904Z 0908Z 0915Z M-1S

092 0B 06/1213Z 1217Z 1240Z M-2S

III. AREAS OF SPECIAL INTEREST-

REGION 092 (S13E07)

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HFUS 1 BOU 070600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 127A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 07 MAY 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 07/1300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 127B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 07 MAY 1973

IA. THE ONLY SIGNIFICANT CHANGE SINCE 06/2200Z HAS BEEN MARKED
DECAY AND SIMPLIFICATION IN REGION 092 /S13E01/. ATHENS REPORTS
THE DELTA HAS DISAPPEARED. THE SUBFLARE RATE CONTINUES HIGH WITH MINOR
RADIO BURSTS AND X-RAY OUTPUT ASSOCIATED WITH SOME. NEW REGION
099 /B-TYPE/ HAS APPEARED AT N14E03.

IB. MAJOR ACTIVITY IS NOW UNLIKELY FROM REGION 092. MODERATE ACTIVITY
IS STILL PROBABLE AND M-CLASS X-RAY EVENTS ARE PROBABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED. UNSETTLEMENT
IS EXPECTED TO INCREASE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07-09 MAY

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 10/10/10

PCAF GREEN

IV. OTTOWA 10.7 CM FLUX

OBSERVED 06 MAY 108

PREDICTED 07 -09 MAY 112/110/108

90-DAY MEAN 06 MAY 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 MAY 04

ESTIMATED 06 MAY 06

PREDICTED 07-09 MAY 06/08/10

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HFUS 2 BOU 071800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 07 MAY

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. W T

NRIATE N

G WWY

SIGNIFICANT DEVIATIONS FROM THE MEAN, WITH INCLUSIVE DATES TO EXPECT THESE DEVIATIONS, A
ZWIVEN.

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, USCFWWPFLPOTLOWED BY AN APPROPRIATE REMARK INDICATING THE LIKELY PERIOD(S); 9 3/03:5
5#3 .95 -:58;856.

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

A. MEAN 102

B. SIGNIFICANT DEVIATIONS:

NONE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS 6-10

CLASS X SOLAR EVENTS 1

B. EXPECT MOST ACTIVITY:

07 MAY TO 17 MAY

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HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 127

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 MAY 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 092 (S15W08) CONTINUES TO PRODUCE NUMEROUS SUBFLARES, THOUGH THE FREQUENCY HAS DIMINISHED OVER THE PAST FEW HOURS. THE REGION SEEMS TO BE PAST ITS PEAK IN DEVELOPMENT, SHOWING SOME SIGNS OF FRAGMENTATION AND DISSIPATION, COMPARED TO ITS EARLIER GROWTH. HOWEVER, THERE IS SOME SIGN OF NEW DEVELOPMENT NEAR THE REGION'S CENTER, AND IT MAY YET PRODUCE ANOTHER LARGE FLARE. A NEWLY DEVELOPING REGION, 099 (N14W01) HAS RECENTLY PRODUCED A SUBFLARE. REGION 095 (S13E26) REMAINS QUIET.

IB. THE LARGE REGION 092 SEEMS TO BE LOSING SOME OF ITS STRENGTH, BUT ITS POTENTIAL FOR ENERGETIC FLARE ACTIVITY CANNOT BE DISREGARDED.

II. THE GEOMAGNETIC FIELD HAS BECOME INCREASINGLY UNSETTLED OVER THE PAST TWO DAYS. IT IS EXPECTED TO SHOW A GRADUAL RISE IN ACTIVITY AND TO BECOME ACTIVE IN THE LATER PART OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 MAY - 10 MAY.

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 07 MAY 102

PREDICTED 08 MAY - 10 MAY 098/094/090

90-DAY MEAN 07 MAY 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 06 MAY 12

ESTIMATED 07 MAY 17

PREDICTED 08 MAY - 10 MAY 15/18/18

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