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HOUS 2 BOU 080200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
08/0200Z JAN 1973

I. SUNSPOT DATA FROM RAMEY AT 07/1210Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

517 N07W26 142 0230 C 10 06 BETA

519 N13E02 114 0270 E 12 43 BETA GAMMA

003 S16E51 065 0030 H 01 01 ALPHA

002 S13W57 173 0020 C 05 02 BETA

004 N04W15 131 0000 A 01 02 ALPHA

NOTE- MAGNETIC POLARITIES INFERRED AT RAMEY.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-
NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 517 CONTAINS STRONG ORGANIZED FIBRILLES, AN ACTIVE DARK
FILAMENT AND A POSSIBLE ARCH FILAMENT SYSTEM AND REMAINS A POSSIBLE
SOURCE OF ENERGETIC EVENTS.

REGION 519 HAS APPARENTLY LOST ITS DELTA CONFIGURATION BUT REMAINS
COMPLEX AND A POSSIBLE SOURCE OF ENERGETIC EVENTS.

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HFUS 1 BOU 080600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 008A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 08 JANUARY 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 081305

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 008B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 8 JANUARY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS WITH ONLY
SUBFLARES REPORTED FROM REGIONS 517 (N08W44) AND 519 (N13W13). BOTH
REGIONS ARE DECLINING SLOWLY IN ALL PARAMETERS BUT REMAIN COMPLEX.
REGION 004 (N04W28) STILL ADDS POTENTIAL TO 517. A NEW RUDIMENTARY
H TYPE SPOT WITH NO PLAGE YET VISIBLE IS CONFIRMED AT N13E73 (NEW
REGION 005).

IB. SUBFLARES WILL CONTINUE FROM 517 AND 519. LARGER FLARES WITH
ENERGETIC OUTPUT ARE NOT EXPECTED, BUT MAY OCCUR IF RAPID BREAKUP
BEGINS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED, AND FURTHER UNSETTLEMENT
IS EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 08-10 JAN

CLASS M 65/65/65

CLASS X 08/08/08

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JAN 116

PREDICTED 08-10 JAN 117/118/119

90-DAY MEAN 07 JAN 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 JAN 17

ESTIMATED 07 JAN 05

PREDICTED 08-10 JAN 10/24/12

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HFUS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 008

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 JAN 1973.

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY 5 SUBFLARES REPORTED. REGION 517 /N07W50/ PRODUCED 2 OF THESE SUBFLARES WHILE REGION 519 /N13W16/ PRODUCED 3 SUBFLARES. BOTH REGIONS ARE DECLINING IN BOTH WHITE LIGHT AND H ALPHA. REGION 517 HAS LOST ALL TRAILER SPOTS WHILE REGION 519 HAS SIMPLIFIED AND APPEARS TO BE A SIMPLE BETA GROUP. OTHER REGIONS ARE QUIET AND UNIMPRESSIVE.

IB. AS REGIONS 517 AND 519 CONTINUE TO DECLINE, A SMALL CLASS M EVENT IS POSSIBLE, BUT THE CHANCE OF AN ENERGETIC EVENT WILL DECREASE. THERE ARE NO SIGNIFICANT REGIONS DUE TO RETURN BUT SOME MINOR SURGE ACTIVITY AS SE20 SUGGESTS A NEW REGION MAY BE ROTATING OVER THE LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE LAST 24 HOURS AND IS FORECAST TO BECOME ACTIVE DURING THE FIRST PORTION OF THE FORECAST PERIOD IN ASSOCIATION WITH A SECTOR BOUNDARY PASSAGE.

III. EVENT PROBABILITIES 09 JAN - 11 JAN.

CLASS M 50/45/40

CLASS X 05/04/03

PROTON 08/07/06

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 08 JAN 107

PREDICTED 09 JAN - 11 JAN 110/110/110

90-DAY MEAN 08 JAN 111

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 07 JAN 05

ESTIMATED 08 JAN 10

PREDICTED 09 JAN - 11 JAN 24/12/08

SOLTERWARN

SPAN

BT

24
200