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HOUS 2 BOU 040200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
04/0200 JAN 1973

I. SUNSPOT DATA FROM RAMEY AT 03/1215Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

517 N08E27 137 0310 E 12 16 BETA

519 N14E54 110 0110 D 08 13 BETA

002 S15W03 167 0020 H 02 03 ALPHA

001 N18W29 193 0000 B 04 02 BETA

MAG TYPE INFERRED AT RAMEY

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

519 IN 0531 0534 -

519 IF 1544 1549 1602

519 OB 1758 1805 1827 M1S

517 ON 1835 1846 1912 S

III. AREAS OF SPECIAL INTEREST-

NONE

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HFUS 1 BOU 040600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 004A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 04 JAN 1973

I. NO CHANGE

II. NO CHANGE

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 004B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 04 JANUARY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 15 HOURS WITH THREE SUBFLARES  
REPORTED, ALL FROM REGION 519(N14E41). THIS REGION HAS CONTINUED ITS  
GROWTH IN WHITE LIGHT AND HALPHA WITH A BETA GAMMA CLASSIFICATION.  
OSO-7 LONG XRAY INTENSITIES FOR THIS REGION HAVE RISEN SHARPLY DURING  
THE PAST 24 HOURS. REGION 517 (N08E15) IS MODERATELY LARGE BUT STABLE.  
A SMALL PLAGE IS ROTATING ACROSS EAST LIMB NEAR THE EQUATOR.

IB. CLASS M EVENTS ARE EXPECTED FROM REGION 519.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET. PIONEER 9 SHOWS THE  
WEAK SECTOR DUE EARLY TODAY HAS REGRESSED APPROXIMATELY ONE DAY.  
THE FIELD IS EXPECTED TO BECOME SLIGHTLY UNSETLED AND REMAIN SO FOR  
THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04-06 JAN

CLASS M 50/60/50

CLASS X 05/08/05

PROTON 01/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 110

PREDICTED 04-06 JAN 112/115/118

90-DAY MEAN 03 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 JAN 01

ESTIMATED 03 JAN 01

PREDICTED 04-06 JAN 04/08/06

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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 004

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 04 JAN 1972.

IA. SOLAR ACTIVITY REMAINS LOW. A 1 IN FLARE TENTATIVELY CLASSED AS A C-4 OCCURRED IN REGION 517 /N08E06/ WITH MAXIMUM AT 04/1255Z. REGION 519 /N14E34/ IS PRESENTLY BRIGHTEST ON THE DISK, PRODUCING FOUR C-CLASS SUBFLARES DURING THE PAST 24 HOURS. REGION 517 SEEMS STABLE, WHILE REGION 519 APPEARS TO BE GROWING SLOWLY IN H-ALPHA AND WHITE LIGHT. OTHER REGIONS ARE QUIET.

IB. BOTH REGIONS 517 AND 519 HAVE MODERATE M-CLASS X-RAY FLARE POTENTIAL. THEIR DEVELOPMENT IN THE NEXT FEW DAYS SHOULD INDICATE WHETHER THEY WILL PRODUCE ENERGETIC FLARES. PRESENTLY THEY ARE NOT LIKELY TO PRODUCE X-CLASS FLARES. OLD REGION 500 IS DUE BACK NEAR SE19.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED DURING THE PAST 24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME QUIET DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 JAN - 07 JAN.

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 01/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 04 JAN 114

PREDICTED 05 JAN - 07 JAN 117/119/121

90-DAY MEAN 04 JAN 110

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 03 JAN 02

ESTIMATED 04 JAN 06

PREDICTED 05 JAN - 07 JAN 07/05/05

SOLTERWARN

SPAN

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