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HOU 2 BOU 060200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
06/0200Z JAN 1973

I. SUNSPOT DATA FROM RAMEY AT 05/1220Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

517 N08E00 142 0260 C 12 27 BETA

518 S11W02 144 0000 A 00 01 ALPHA

519 N13E28 114 0260 D 05 40 BETA

003 S18E78 064 0040 H 01 01 ALPHA

NOTE- MAGNETIC CLASS FROM MT. WILSON.

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

III. AREAS OF SPECIAL INTEREST-

IS UMBRAL ROTATION OBSERVED IN THE LEADER SPOT GROUP OF REGION  
517 (N08E00).

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 006A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 06 JANUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 006B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 06 JANUARY 1973

IA. SOLAR ACTIVITY HAS INCREASED IN FREQUENCY WITH SEVEN SUBFLARES  
(CLASS C) HAVING BEEN REPORTED THE PAST 15 HOURS. A NEW BIPOLE  
APPEARS TO BE EMERGING WITHIN THE PLAGE STRUCTURE OF REGION  
517(N14E15) FURTHER INCREASING PROBABILITY FOR ENERGETIC FLARES  
FROM THIS REGION. REGION 519(N08W11) CONTINUES TO INCREASE IN ALL  
PARAMETERS. A NEW REGION IS EMERGING NEAR S10W45.

IB. CLASS M ACTIVITY IS EXPECTED FROM REGIONS 517 AND 519.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. IT IS  
EXPECTED TO REMAIN UNSETLED, BECOMING ACTIVE AGAIN ON 8 JANUARY.

III. EVENT PROBABILITIES 06 - 08 JAN

CLASS M 60/70/70

CLASS X 05/05/08

PROTON 03/05/08

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 117

PREDICTED 06 - 08 JAN 121/123/124

90-DAY MEAN 05 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JAN 08

ESTIMATED 05 JAN 13

PREDICTED 06 - 08 JAN 17/10/19

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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 006

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED AT 2200Z 06 JAN 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.  
ABOUT A DOZEN C-CLASS SUBFLARES AND ONE IN (M2) HAVE OCCURRED.  
THE 1N IN REGION 519 /N13E10/ REACHED MAXIMUM AT 1358Z AND HAD  
A SMALL SPA /17 DEGREES ON 16 KHZ/ AND SMALL SWF ASSOCIATED WITH  
IT. AT 1433Z A BROADBAND RADIO NOISE STORM BEGAN AND RADIO  
FLUX LEVELS BECAME ENHANCED FROM 20 MHZ TO 1400 MHZ. THE NOISE  
STORM INTENSIFIED AND WAS STILL IN PROGRESS AT THE TIME OF THIS  
REPORT. MOST OF THE OBSERVED SUBFLARES HAVE OCCURRED IN REGION  
519. REGION 517 /N08W19/ REMAINS COMPLEX BUT QUIET. ALL OTHER REGIONS  
ARE QUIET.

IB. REGION 519 IS MOST IMPRESSIVE BUT IT HAS BEEN PRODUCING  
SUBFLARES ABOUT EVERY 3 HOURS FOR THE PAST 2 DAYS. THIS REGION NOW  
HARBORS A DELTA CONFIGURATION IN THE TRAILER CRESCENT OF SPOTS.  
AS LONG AS THE STEADY SUBFLARING CONTINUES, IT IS NOT THOUGHT THIS  
REGION WILL PRODUCE A MAJOR FLARE. ON THE OTHER HAND, REGION 517  
HAS BEEN MENACINGLY QUIET FOR THE PAST 24 HOURS. A NEW BIPOLE  
APPEARS TO BE EMERGING IN THE OLD TRAILER OF REGION 517 AND ITS  
INTERACTION WITH THE OLD DECAYING FIELDS PRESENT THERE COULD BE  
RESPONSIBLE FOR ENERGETIC FLARES. BOTH REGIONS 517 AND 519 MAY  
PRODUCE M-CLASS FLARES AT ANY TIME. EITHER REGION COULD POSSIBLY  
PRODUCE A SMALL X-CLASS X-RAY FLARE AND SOME PROTONS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24  
HOURS AND IS NOW QUIET. IT IS EXPECTED TO BE UNSETLED EARLY IN  
THE PERIOD AND BECOME ACTIVE MIDWAY THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 JAN -09 JAN

CLASS M 75/75/75

CLASS X 10/10/10

PROTON 10/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JAN 119

PREDICTED 07-09 JAN 120/120/121

90-DAY MEAN 06 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 JAN 17

ESTIMATED 06 JAN 17

PREDICTED 07-09 JAN 08/19/24

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