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KBOU

HOUS 2 BOU 200200

JOINT AFGWC/SESC REGION AND ACTIVITY SUMMARY ISSUED AT  
20/0200Z SEPT 1973/

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN  
AT 19/1545. LOCATIONS VALID AT 20 SEPT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE  
0227 N13E14 327 0030 C 06 03 BETA

MAGNETIC CLASS INFERRED AT BOULDER

0234 N06E85 258 ---- - -- SPOTS VISIBLE ON LIMB-  
NO FURTHER ANALYSIS POSSIBLE  
YET.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 20 SEPT 0000Z.

NMBR LOCATION LO COMMENT  
0226 S09W05 347 WEAK, SCATTERED PLAGE  
0228 S14E13 330 SIMPLE, WEAK REGION  
0231 N02E62 281 SMALL, WEAK PLAGE  
0235 S11E90 253 RETURN OF REGION 211

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

EAST LIMB FOR ANTICIPATED RETURN OF OLD REGIONS 203 AND 213.

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HFUS 1 BOU 200600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 263A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 20 SEPTEMBER 1973  
IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES OBSERVED DURING  
THE LAST 8 HOURS. AS YET, THERE HAVE BEEN NO INDICATIONS OF ANY  
LARGE ACTIVE REGIONS ROTATING OVER THE EAST LIMB WHICH COULD PRODUCE  
ENERGETIC ACTIVITY.  
IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW TO LOW THROUGH THE FORE-  
CAST PERIOD.  
II. THE GEOMAGNETIC FIELD REMAINS QUIET, BUT A RECURRENT DISTURBANCE  
SHOULD BEGIN LATE ON THE 20TH OR THE 21ST, RESULTING IN ACTIVE  
CONDITIONS BY THE END OF THE FORECAST PERIOD.  
III. NO CHANGE  
IV. NO CHANGE  
V. NO CHANGE  
SOLTERWARN  
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HFUS 1 BOU 201300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 236B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 20 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW, AND NO FLARES HAVE  
BEEN REPORTED DURING THE PAST SEVEN HOURS. REGION 234 (N06E78)  
CONTAINS AN H-TYPE SPOT AND SLIGHTLY ENHANCED, DIFFUSE PLAGE.  
REGION 236 (N15E80) CONTAINS COMPACT, MODERATELY BRIGHT PLAGE  
WITHOUT VISIBLE SPOTS.

REGIONS 234 AND 236 ARE MODERATELY INTENSE XUV AND LXR SOURCES.

IB. THE PRESENT VERY LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS EXHIBITED SLIGHT DISTURBANCE DURING  
THE PAST SEVEN HOURS. K-INDICES OF TWO HAVE BEEN OBSERVED AT  
BOULDER. THE LEVEL OF DISTURBANCE IS EXPECTED TO INCREASE  
SIGNIFICANTLY DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES      NO CHANGE

IV. OTTAWA 10.7 CM FLUX      NO CHANGE

V. GEOMAGNETIC A INDICES      NO CHANGE

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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 263

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 20 SEPTEMBER 1973.

IA. SOLAR ACTIVITY IS VERY LOW WITH NO FLARES REPORTED IN THE PAST 24 HOURS. ALL REGIONS PRESENT ON THE DISK ARE WEAK AND SHOW NO MARKED CHANGE. THE EAST LIMB REGIONS THAT HAVE ROTATED INTO VIEW DURING THE PAST COUPLE OF DAYS HAVE PROVEN TO BE SMALL AND UNPRODUCTIVE. MORE REGIONS SHOULD BE SHOWING AT EAST LIMB LATER IN THE FORECAST PERIOD, BUT THEY ARE NOT EXPECTED TO BE PARTICULARLY INTENSE OR TO HOLD MUCH POTENTIAL FOR ENERGETIC FLARE ACTIVITY.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN LOW AND TO BE LIMITED TO OCCASIONAL NON-ENERGETIC SUBFLARES.

II. GEOMAGNETIC ACTIVITY IS INCREASING AFTER THE PAST TWO DAYS QUIET LEVELS, PRESUMABLY IN RESPONSE TO THE ONSET OF THE ANTICIPATED RECURRENT DISTURBANCE. THE FIELD IS EXPECTED TO BECOME MORE UNSETLED THROUGHOUT THE COMING DAY AND TO BE INCREASINGLY ACTIVE TOWARD THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 SEP - 23 SEP.

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 20 SEP 091

PREDICTED 21 SEP - 23 SEP 093/096/098

90-DAY MEAN 20 SEP 090

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 19 SEP 02

ESTIMATED 20 SEP 13

PREDICTED 21 SEP - 23 SEP 18/24/30

SOLTERWARN

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