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HOUS 2 BOU 190200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
19/0200 SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
18/1800. LOCATIONS VALID AT 19 SEPT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0227 N15E27 328 0030 C 05 03 BETA

MAGNETIC CLASSIFICATION INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 19 SEPT 0000Z.

NMBR LOCATION LO COMMENT

0226 S09E09 346

0228 S15E27 328

0230 S06W22 017

0231 N02E75 280 RETURN OF OLD REGION 208

0232 N20W15 010 SMALL BIPOLAR PLAGE

0233 N10W33 028 VERY SMALL WEAK PLAGE

II. NONE.

III. NONE.

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HFUS 1 BOU 190600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 262A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 19 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES REPORTED DURING THE LAST 8 HOURS. SOME SMALL SURGING REPORTED AT NE08 AND NE20 MAY INDICATE THE RETURN OF OLD REGIONS 213 AND 203, BUT THERE HAVE BEEN NO INDICATIONS AS YET OF ANY ENERGETIC ACTIVITY.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW TO LOW DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24 HOURS, BUT IS EXPECTED TO BECOME UNSETLED DURING THE FIRST PORTION OF THE FORECAST PERIOD. THEN ACTIVE DURING THE LATTER PORTION OF THE PERIOD WITH THE ONSET OF A RECURRENT GEOMAGNETIC DISTURBANCE.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 191300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 262B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 19 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 227 (N15E20)  
HAS PRODUCED TWO NON-ENERGETIC SUB-FAINT FLARES. MINOR SURGES  
HAVE BEEN OBSERVED NEAR N04E90.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NO ENERGETIC  
ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNUSUALLY QUIET DURING THE  
PAST 13 HOURS. UNSETTLED CONDITIONS ARE EXPECTED EARLY IN THE  
FORECAST PERIOD, BECOMING ACTIVE AS A RECURRENT GEOMAGNETIC  
DISTURBANCE DEVELOPS.

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 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 262

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 19 SEPTEMBER 1973.

IA. SOLAR ACTIVITY CONTINUES TO BE AT A LOW LEVEL, WITH ONLY INFREQUENT SUBFLARES REPORTED. ALL REGIONS PRESENT ON THE DISK SHOW LITTLE CHANGE OR SLOW DECLINE. SURGE ACTIVITY ON THE EAST LIMB AT S11, N02, AND N16 HERALD THE RETURN OF OLD REGIONS 211, 213, AND 203. THE REGION AT SE11 (NEW REGION 235) HAS SHOWN THE GREATEST SURGE ACTIVITY, THOUGH THAT HAS BEEN MINOR. SPOTS ARE VISIBLE AT NE06 (NEW REGION 234), BUT SURGING IS MINOR AND NO PLAGUE IS YET VISIBLE. THE NEW EAST LIMB REGIONS ARE NOT YET FAR ENOUGH ON THE DISK TO ADEQUATELY EVALUATE THEIR POTENTIAL FOR ENERGETIC ACTIVITY. HOWEVER, THE MINOR NATURE OF THE SURGES, LACK OF PLAGUE, REGION HISTORIES, AND DIMINISHED EUV AND LXR INTENSITY SUGGEST THAT THE REGIONS WILL NOT BE PARTICULARLY STRONG OR COMPLEX.

IB. WITH THE APPEARANCE OF THE EAST LIMB REGIONS, SUBFLARE ACTIVITY IS EXPECTED TO INCREASE SOMEWHAT, WITH THOSE REGIONS THAT HAVE BEEN ON THE DISK CONTRIBUTING LITTLE ACTIVITY. NOTHING AT THIS POINT IS CAUSE FOR EXPECTING A VERY HIGH POTENTIAL FOR ENERGETIC FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BECOME OMINOUSLY QUIET. THE LEVEL OF ACTIVITY IS EXPECTED TO BEGIN INCREASING IN THE NEXT DAY OR TWO IN RESPONSE TO A RECURRENT GEOMAGNETIC DISTURBANCE.

III. EVENT PROBABILITIES 20 SEP - 22 SEP.

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 19 SEP 086

PREDICTED 20 SEP - 22 SEP 088/090/093

90-DAY MEAN 19 SEP 090

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 18 SEP 07

ESTIMATED 19 SEP 04

PREDICTED 20 SEP - 22 SEP 14/18/24

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