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KBOU

HOUS 2 BOU 230200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
23/0200Z JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
22/1330. LOCATIONS VALID AT 23 JULY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0171 S05W73 120 0010 A 01 01 ALPHA

0174 N18W19 066 0000 B 03 04 BETA

MAGNETIC CLASSES INFERRED AT BOULDER.

IA. NONE.

II. NONE.

III. NONE.

SOLTERWARN

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0173

HFUS 1 BOU 230600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 204A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 23 JULY 1973

IA. ON THE BOULDER 23/0200Z REGION REPORT, REGION 0174 SHOULD BE
REGION 0173 (N18W19). SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD REMAINS IN AN UNSETTLED CONDITION.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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HFUS 1 BOU 231300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 204B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 23 JULY 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. OBSERVATORIES REPORT NO SPOTS
VISIBLE IN ANY REGION. A WEAK NEW PLAGE IS REPORTED EMERGING AT
N09W32. NO ARCH FILAMENT SYSTEM, SPOTS OR OTHER MANIFESTATION OF
GROWTH IS ASSOCIATED WITH THE PLAGE.

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING LOCAL NIGHTTIME
BUT IS EXPECTED TO BE QUIET DURING DAYTIME PERIODS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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KBOU

HFUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 204

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 JULY 1973.

IA. SOLAR ACTIVITY ON THE DISK HAS REMAINED AT A VERY LOW LEVEL. A SMALL NEW BIPOLAR PLAGE WITHOUT SPOTS, DESIGNATED REGION 175, IS DEVELOPING GRADUALLY AT N10E15. OTHER REGIONS ON THE DISK ARE DECLINING. RECENT ACTIVITY ON THE EAST LIMB NEAR NE15 SUGGESTS THAT AN ACTIVE REGION, PERHAPS OLD REGION 158, MAY EXIST BEHIND THE LIMB. AN ACTIVE/ERUPTIVE PROMINENCE WAS OBSERVED AT NE15 DURING THE INTERVAL 204/1345-1500Z. THE PROMINENCE REACHED OUT TO 0.2 SOLAR RADIUS AND THEN DISSIPATED. THIS EVENT WAS ACCOMPANIED BY DEKAMETRIC CONTINUUM AND SEVERAL TYPE III BURSTS. SATELLITE DATA INDICATE ENHANCED LONG-WAVELENGTH X-RAY EMISSION NEAR NE15, PROVIDING FURTHER EVIDENCE OF THE EXISTENCE OF A REGION BEHIND THE LIMB.

IB. SOLAR ACTIVITY MAY INCREASE DURING THE NEXT 72 HOURS IF THE REGION BELIEVED TO EXIST BEHIND THE NORTHEAST LIMB PROVES TO BE SUFFICIENTLY DYNAMIC TO PRODUCE FLARES. NO SIGNIFICANT ACTIVITY IS EXPECTED FROM ANY OF THE REGIONS PRESENTLY VISIBLE ON THE DISK.

II. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS DURING THE PAST 24 HOURS. UNSETTLED CONDITIONS PROBABLY WILL CONTINUE, WITH ACTIVE CONDITIONS LIKELY ON 26 JULY, ESPECIALLY DURING LOCAL NIGHT PERIODS OF OBSERVATION.

III. EVENT PROBABILITIES 24 JUL - 26 JUL.

CLASS M 20/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 23 JUL 76

PREDICTED 24 JUL - 26 JUL 78/80/82

90-DAY MEAN 23 JUL 93

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 22 JUL 06

ESTIMATED 23 JUL 10

PREDICTED 24 JUL - 26 JUL 10/15/20

SOLTERWARN

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