

NNNN

KBOU

HOUS 2 BOU 170200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
17/0200Z APRIL 1973

I. SUNSPOT DATA FROM BOULDER AT 16/1516Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0077 S09W77 326 0170 D 06 14 BETA

0080 N01E07 242 0010 A 01 02 ALPHA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
-----	-----	-------	-----	-----	-------

077	ON	16/0805Z	0809Z	0824Z	S
-----	----	----------	-------	-------	---

077	ON	15/2236Z	2237Z	2245Z	M-1
-----	----	----------	-------	-------	-----

III. AREAS OF SPECIAL INTEREST-

NONE.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 170605

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 107A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 17 APRIL 1973

IA. SOLAR ACTIVITY REMAINS AT LOW LEVEL.

IB. NO CHANGE.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 APRIL 09

ESTIMATED 16 APRIL 29

PREDICTED 17 APRIL-19 APRIL 35/25/20

SOLTERWARN

SPAN

BT

HFUS I BOU 171300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 107B
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 17 APRIL 1973

IA. WITH THE ONLY LARGE REGION (077 (S07W87)) NEARLY GONE FROM THE DISK, SOLAR ACTIVITY HAS BEEN VERY LOW. A FEW SMALL PLAGES ARE SCATTERED OVER THE SUN, ONLY ONE OF WHICH HAS SPOTS: RGN 080 (NOIE02).
IB. SOLAR ACTIVITY WILL REMAIN VERY LOW, WITH THE CHANCE OF ANY SIGNIFICANT ACTIVITY QUITE SMALL.

II. THE FLUXUATIONS OF THE GEOMAGNETIC FIELD OVER THE PAST 12 HOURS HAVE BEEN LARGE ENOUGH TO CONSTITUTE A MINOR GEOMAGNETIC STORM. WHILE RECURRENCE SUGGESTS THAT WE ARE SEEING THE HEIGHT OF THE DISTURBANCE, THE FIELD WILL LIKELY NOT DROP BELOW ACTIVE LEVELS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 APR - 19 APR

CLASS M 20/15/10

CLASS X 02/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 APR 84

PREDICTED 17 APR - 19 APR 82/80/82

90-DAY MEAN 16 APR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 APR 09

ESTIMATED 16 APR 28

PREDICTED 17 APR - 19 APR 35/30/25

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 107B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 17 APRIL 1973

IA. WITH THE ONLY LARGE REGION (077 (S07W87)) NEARLY GONE FROM THE DISK, SOLAR ACTIVITY HAS BEEN VERY LOW. A FEW SMALL PLAGES ARE SCATTERED OVER THE SUN, ONLY ONE OF WHICH HAS SPOTS: RGN 080 (N01E02).

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW, WITH THE CHANCE OF ANY SIGNIFICANT ACTIVITY QUITE SMALL.

II. THE FLUXUATIONS OF THE GEOMAGNETIC FIELD OVER THE PAST 12 HOURS HAVE BEEN LARGE ENOUGH TO CONSTITUTE A MINOR GEOMAGNETIC STORM. WHILE RECURRENCE SUGGESTS THAT WE ARE SEEING THE HEIGHT OF THE DISTURBANCE, THE FIELD WILL LIKELY NOT DROP BELOW ACTIVE LEVELS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 APR -19 APR

CLASS M 20/15/10

CLASS X 02/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 APR 84

PREDICTED 17 APR - 19 APR 82/80/82

90-DAY MEAN 16 APR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 APR 09

ESTIMATED 16 APR 28

PREDICTED 17 APR - 19 APR 35/30/25

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 107

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 APRIL 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, NO FLARES HAVE BEEN OBSERVED IN THE PAST 24 HOURS. REGION 077 IS PRODUCING MINOR SURGES AS IT PASSES OVER THE WEST LIMB AT S08. AN ERUPTIVE PROMINENCE AT S14W90 WAS OBSERVED TO REACH 0.4 SOLAR RADII AT 1430Z. REGION 080 (N01W09) IS BARELY OBSERVABLE. A NEW EMERGING BIPOLE IS PRESENT AT N12E01 (REGION 081).

IB. NO SIGNIFICANT ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS REMAINED ACTIVE AND IS EXPECTED TO CONTINUE SO THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 APR - 20 APR.

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 17 APR 81

PREDICTED 18 APR - 20 APR 81/82/84

90-DAY MEAN 17 APR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 16 APR 35

ESTIMATED 17 APR 24

PREDICTED 18 APR - 20 APR 22/24/19

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 107

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 APRIL 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, NO FLARES HAVE BEEN
OBSERVED IN THE PAST 24 HOURS. REGION 077 IS PRODUCING MINOR SURGES
AS IT PASSES OVER THE WEST LIMB AT S08. AN ERUPTIVE PROMINENCE AT
S14W90 WAS OBSERVED TO REACH 0.4 SOLAR RADII AT 1430Z. REGION 080
(N01W09) IS BARELY OBSERVABLE. A NEW EMERGING BIPOLE IS PRESENT
AT N12E01 (REGION 081).

IB. NO SIGNIFICANT ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS REMAINED ACTIVE AND IS EXPECTED
TO CONTINUE SO THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 APR - 20 APR.

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 17 APR 81

PREDICTED 18 APR - 20 APR 81/82/84

90-DAY MEAN 17 APR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 16 APR 35

ESTIMATED 17 APR 24

PREDICTED 18 APR - 20 APR 22/24/19

SOLTERWARN

SPAN

BT