

雪 質 の 調 査 資 料 (2)

Data of Properties of Snow Deposit. (2)

Tōkamachi Experiment Site,
Laboratory of Forestry in Heavy Snow Region II, Yamagata Sub-branch Station,
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十 日 町 試 験 地
山形分場多雪地帯林業第二研究室
防 災 部 防 災 科

ま え が き

林業試験場においては、森林と雪との関係に関する研究と並行して、基礎的観測である雪質等の調査が行なわれてきている。これらの調査結果のうち、観測開始以来 1950～1951 年冬季までの資料は、林業試験集報第 63 号 (1952) に“積雪の密度資料”として、つづいて林業試験場研究報告第 62 号 (1953) に“雪質の調査資料”として報告されている。

十日町試験地および東北支場山形分場多雪地帯林業第二研究室では、その後も雪質調査が続行されているが、その成果は未発表のまま 14 冬季を経過したので、ここに整理のうえ報告することとした。

この間に、防災研究の内容・方法等が再検討され、これにともなって、定常的観測業務は研究に密接に関係する事項に限定し、測定方法も極力簡素化する方針がうちだされた。このため、雪質の調査事項および方法にもかなりの変更をみたので、調査結果の整理に前報告の発表方式を踏襲するのは適当でなくなった。したがって、この報告では表現様式を変えて発表することにした。

調査担当者の努力の結晶であるこの資料が、広く各方面に活用されることを望むものである。

調査担当者 (勤務年代順)

十日町試験地関係：高橋喜平・根津誠一・渡辺成雄・新田保子・梅山代吉・野上光一・大熊康之・大関義男・佐藤 正

山形分場関係：高橋敏男・片岡健次郎・小野茂夫・佐藤正平・川口利次・井上栄子・高橋喜平

取りまとめ担当者

檜山徳治・杉山利治・佐伯正夫

調 査 要 領

1. 調 査 地

| 地 名 Locality | 北 緯 N latitude | 東 経 E longitude | 海 拔 高 Above sea level |
|---|-------------------|--------------------|--------------------------|
| 十日町試験地 新潟県十日町市城之平 Tōkamachi, Niigata prefecture | 37° 08' | 138° 46' | 200m |
| 山形分場 山形県最上郡真室川町釜淵 Kamabuchi, Yamagata prefecture | 38° 56' | 140° 16' | 145m |

2. 調査期間

| 地 名 | 調 査 期 間 | 資 料 数 | |
|--------|-------------------------|-----------|------|
| | | 雪 質 | 積雪水量 |
| 十日町試験地 | 1951—1952冬季～1964—1965冬季 | 14冬季 | 14冬季 |
| 山形分場 | 1951—1952冬季～1964—1965冬季 | 9冬季(5冬季欠) | 14冬季 |






3. 調査日 10日ごとの観測を原則とした。
4. 調査時刻 午前10時（9時30分～10時30分）。
5. 調査場所 構内気象観測露場。
6. 調査事項 雪質調査（積雪の区分・密度・含水階級・硬度・曲げ強度・抗せん力）および積雪水量調査（積雪深・平均密度・積雪水量）。
7. 調査方法 雪質調査では、調査日ごとに新しく積雪の断面を切開し、代表的な積雪層ごとに調査事項の測定を行なうのを原則とした。また、積雪水量調査はスノーサンプラー法によった。

記 載 要 領

名称・区分・記号等は、できるかぎり国際雪分類案にしたがった。

I. 雪 質

1. 積雪の区分 Grain shape and structure of deposited snow—F

| 区 分 Classification | 説 明 | 記 号 Code | 図 式 表 示 Graphic symbol |
|-----------------------|--|-------------|---|
| 新 雪 New snow | 降雪後変形をうけること少なく、結晶形が降雪時に近似した新鮮な雪。 | a |  |
| しまり雪 Settled snow | 自重および外的因子の影響により、変形緊密となる、変形第一段階の結晶。不規則な丸味をもった粒状の雪で、砂糖状を呈する。 | b |  |
| ざらめ雪 Granular snow | ざらめ状。初期の結晶形がもはや認められないほど変質や融解が進んだ、最終状態の丸味をおびた比較的大粒子からなる。 | c |  |
| 氷 雪 Ice sheet | 融解またはフィルムクラスト様薄層。粒子各個の形は判然としませんが、完全に緊密で窓ガラスのように透明な板状を呈する。 | d |  |
| み ず 雪 Watery snow | びしょぬれの雪。水で飽和あるいは水びたし。 | e |  |

2. 積雪の密度 Density of deposited snow—G (g/cm³)

積雪各層から自然状態から採雪して重さ (g) を計り、これをその容積 (cm³) で割った値 (見かけの密度) を密度として表現した。

3. 含水階級 Free water content—W

国際雪分類案によらず、手袋をはめた手で雪を握ったときの目視による方法 (高橋喜平技官原案) で、下表のように4階級に区分し、記号で表現した。

| 区 分 Classification | 明 説 | 記 号 Code |
|-----------------------------------|-----|-------------|
| 水気がない。握っても玉になりにくい。 Dry | | a |
| しめりけがある。握れば玉になる。 Moist | | b |
| ぬれている。握ればつやがでる。 Wet | | c |
| 水でみたさされている。握れば水がしたたる。 Very wet | | d |

4. 硬 度 Hardness by cone penetrometer (right conicram)—R (cm)

硬度の測定には押し込み式硬度計 (四手井式) を使用した。この測定器は、底面の直径 20 cm・高さ 10 cm の直角円錐を、木材硬度計と同一機構で積雪面に押し込む方式のものである。内部に装着する加圧用のスプリングは、主として 1 kg のものを用いた。円錐を雪面に押し込むにつれてスプリングが圧縮され、内部のかぎがはずれた時、円錐底面と雪面との間の距離 R' (cm) を硬度とする。

前報告では、重量 1 kg・底面直径 20 cm・高さ 10 cm の直角円錐形落錘を、頂部を下にして雪面上 10 cm の位置から落下させ、雪中に停止した時の円錐底面と雪面との間の距離 R (cm) を硬度として表現した。 R と R' の間には、直線関係の実験式が成立する (たとえば、1 kg のスプリングを用いた押し込み式硬度計の場合は、 $R' = 0.93R + 0.90$)。

したがって、この報告では、押し込み式測器による硬度を落下式測器による硬度に換算し、後者の値 R (cm) をもって硬度を表わした。

硬度の値を大きさによって階級分けすれば下表のとおりである (前報告参照)。

| 区 分 Classification | R の 範 囲 Range of R | 明 説 | 記 号 Code |
|-----------------------|---------------------------|-----------------|-------------|
| 弱 Very soft | ≤ 0.9 | 吹けばとぶ。 | a |
| 軟 Soft | 1.0~4.9 | 手のひらが軽くはいる。 | b |
| 中 Medium | 5.0~6.9 | 手のひらをいれるのに抵抗大。 | c |
| 硬 Hard | 7.0~7.9 | 指をいれるのに相当抵抗がある。 | d |
| 強 Very hard | ≥ 8.0 | 指をいれるのが困難。 | e |

5. 曲げ強度 Bending strength— K_b (g/cm^2)

内径 4.15 cm・長さ 50 cm の合成樹脂製円筒に採雪し、一端から静かに押し出して、折れた雪柱の長さを求め、切断箇所にはたらく最大応力 (g/cm^2) を算出して曲げ強度とした。

曲げ強度については、国際分類案が提出されていないので、階級分けを行なわなかった。

6. 抗せん力 Shearing strength without normal stress— K_s (g/cm^2)

内のり寸法縦 10 cm・横 10 cm・深さ 5 cm の方形わくを 3 段重ねにして採雪し、垂直応力を加えないで中央のわくを引き抜いて、抗せん力 (g/cm^2) を求めた。

抗せん力の階級分けは下表のとおりである。

| 区 分 Classification | K_s の 範 囲 Range of K_s | 記 号 Code |
|-----------------------|-------------------------------|-------------|
| 最 弱 Very low | 0 ~ 9 | a |
| 弱 Low | 10 ~ 74 | b |
| 中 Medium | 75 ~ 249 | c |
| 強 High | 250 ~ 749 | d |
| 最 強 Very high | ≥ 750 | e |

II. 積雪水量

1. 積雪深 Snow cover depth—HS (cm)

雪質調査と同一露場の積雪深であるが、測点がやや離れるため、必ずしも雪質調査地点の積雪深とは一致しない。

2. 平均密度 Mean density of deposited snow— \bar{G} (g/cm^3)

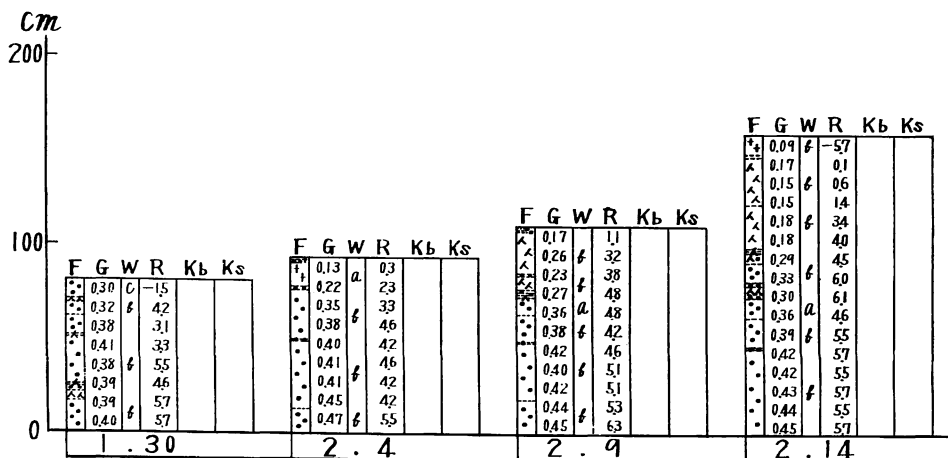
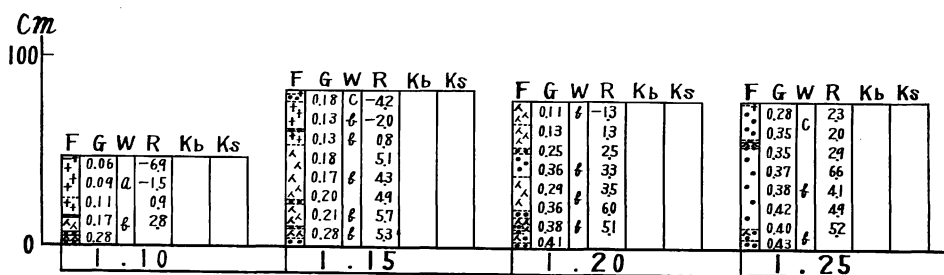
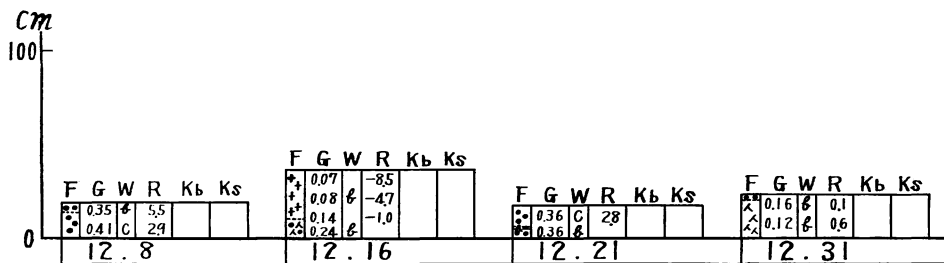
積雪全層の平均密度であって、スノーサンプラーによって測定した。

3. 積雪水量 Water equivalent of snow depth—HW (mm)

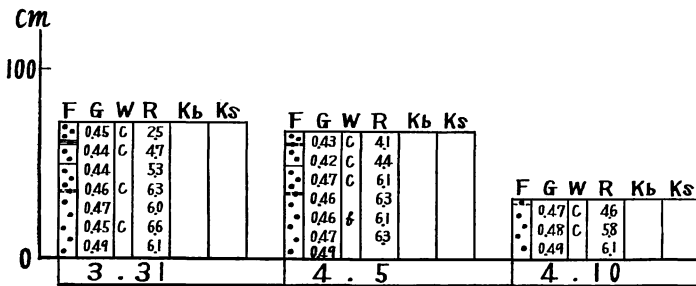
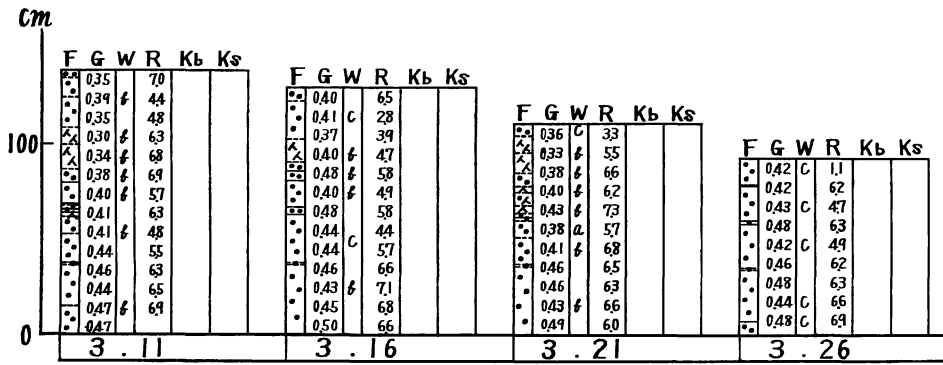
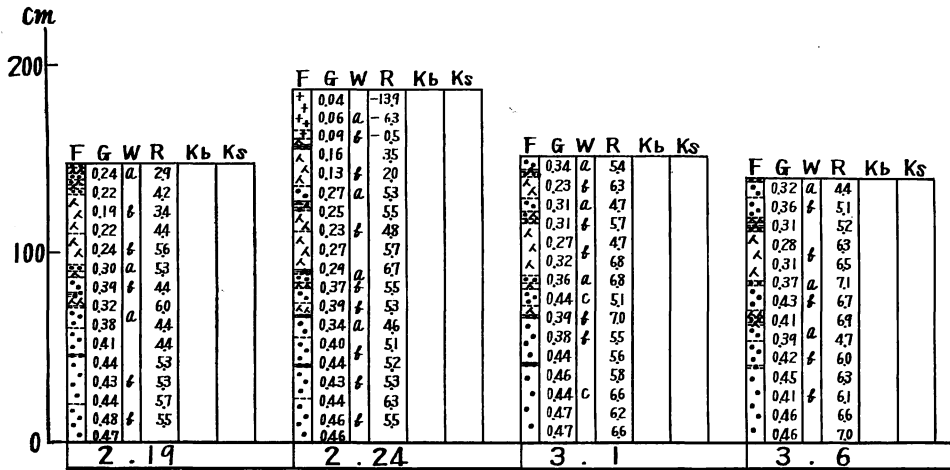
積雪全層の水換算量 (mm) であって、スノーサンプラーで採取した雪の重量から算出した。

I. 雪 質

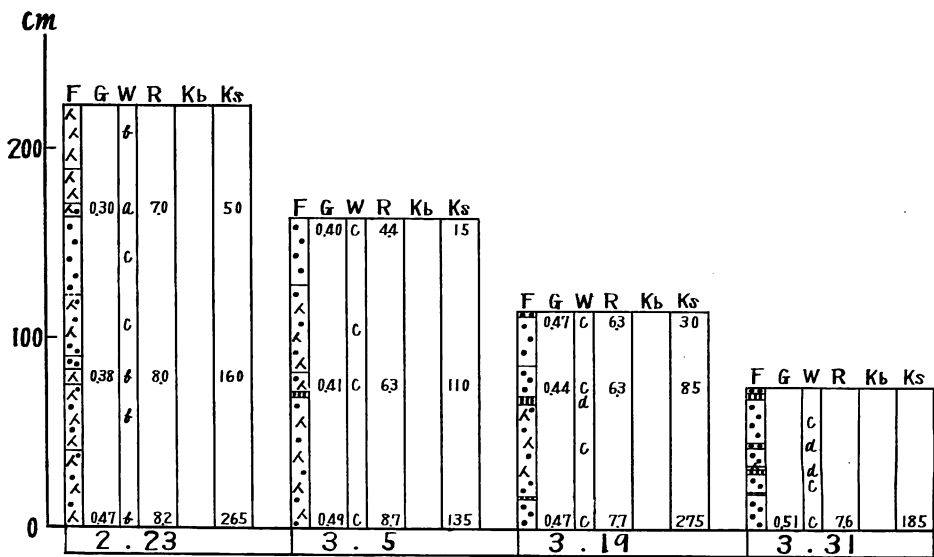
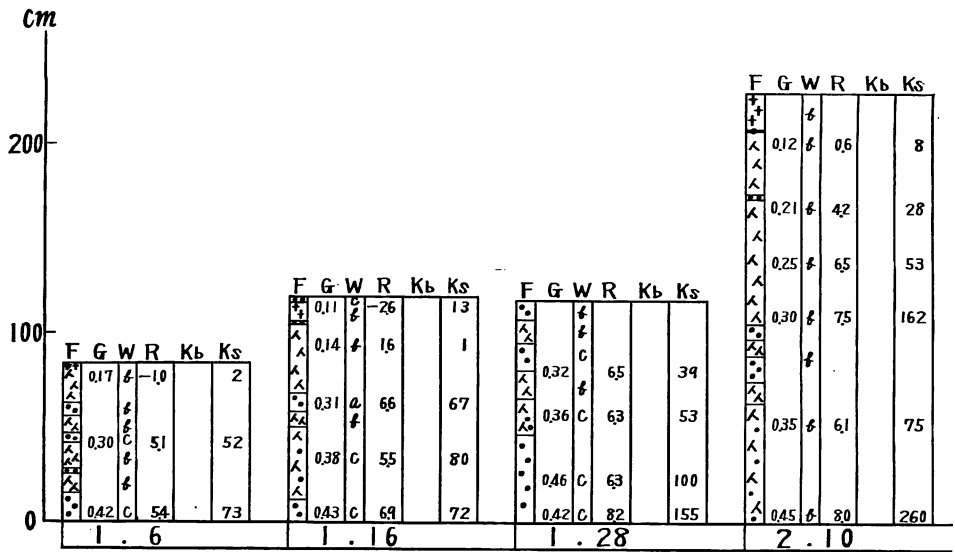
十日町 Tōkamachi 1951~1952



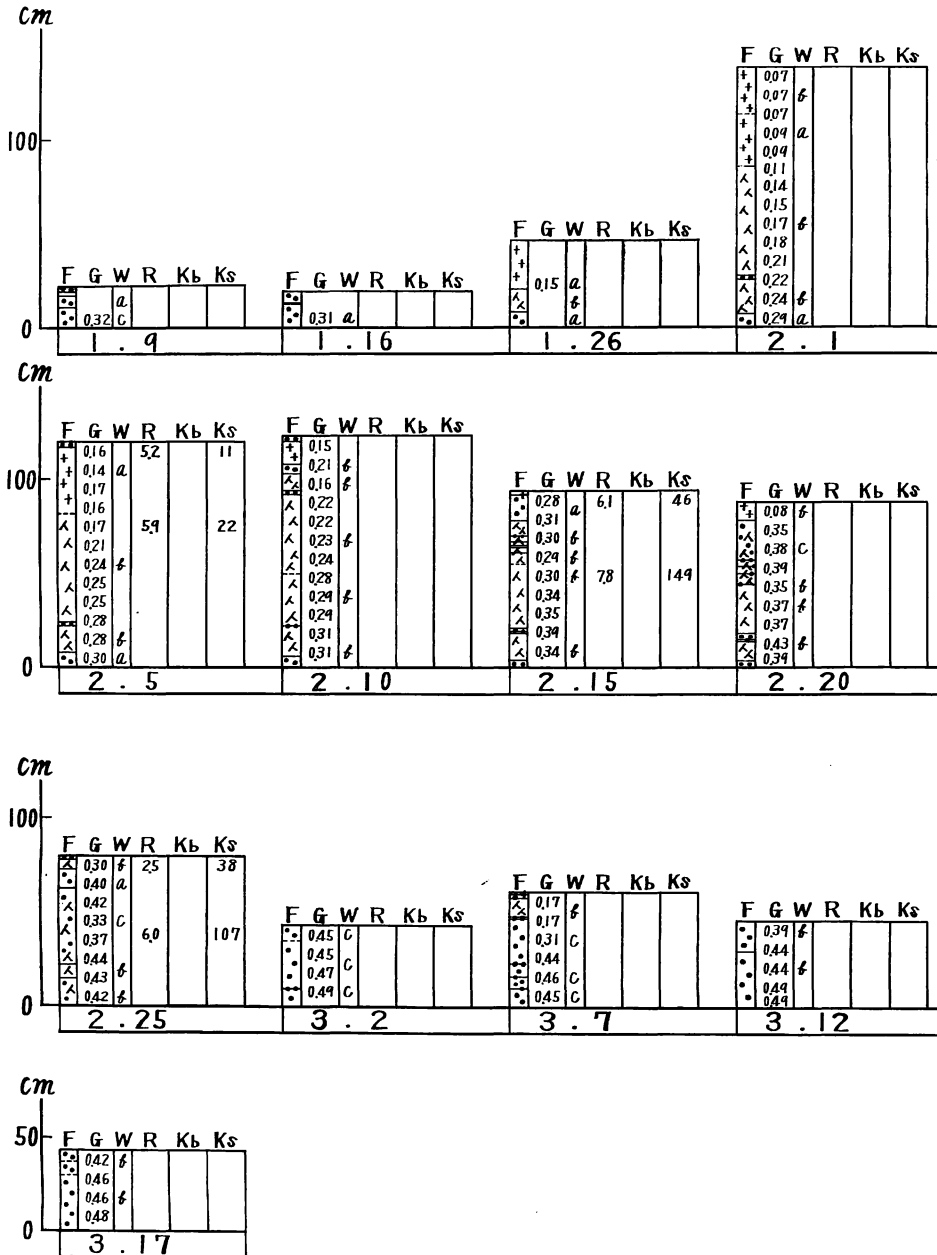
十日町 Tōkamachi 1651~1952



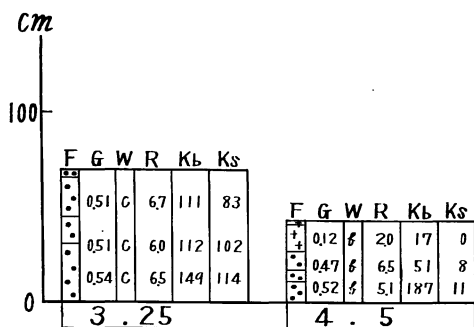
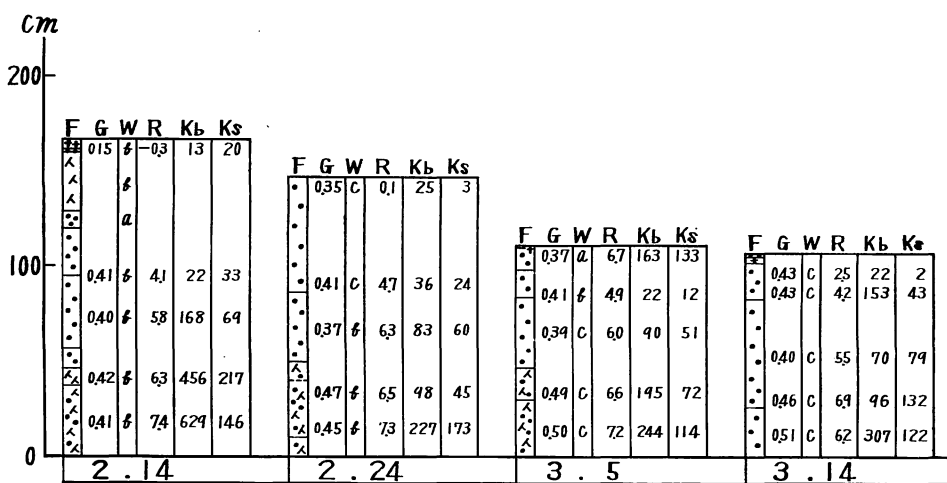
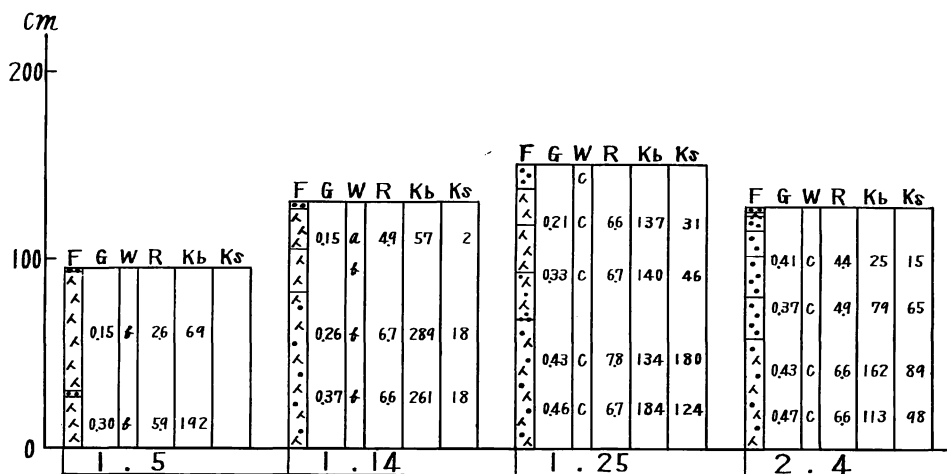
十日町 Tōkamachi 1952~1953



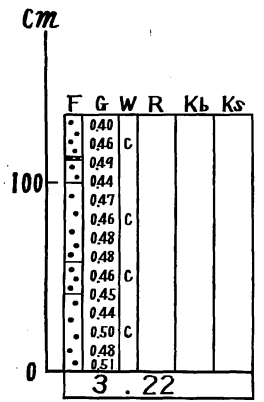
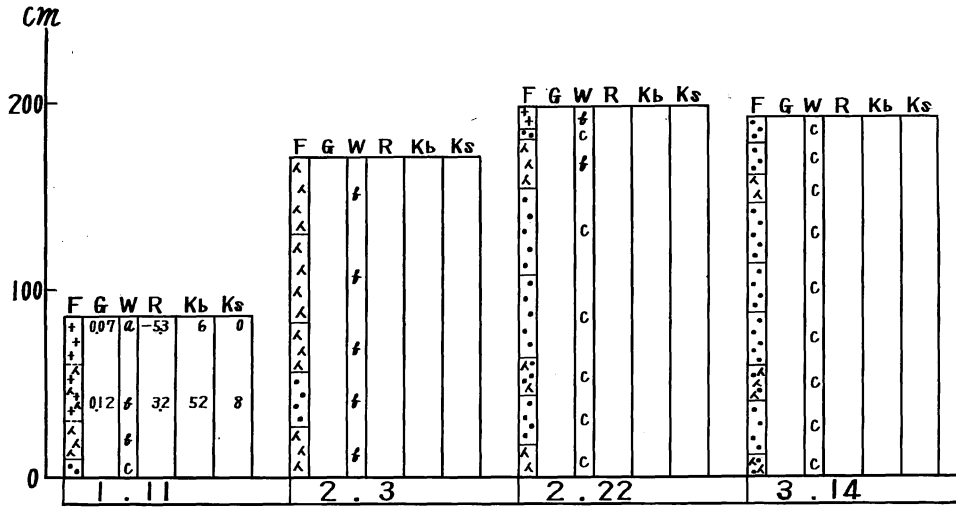
十日町 Tōkamachi 1953~1954



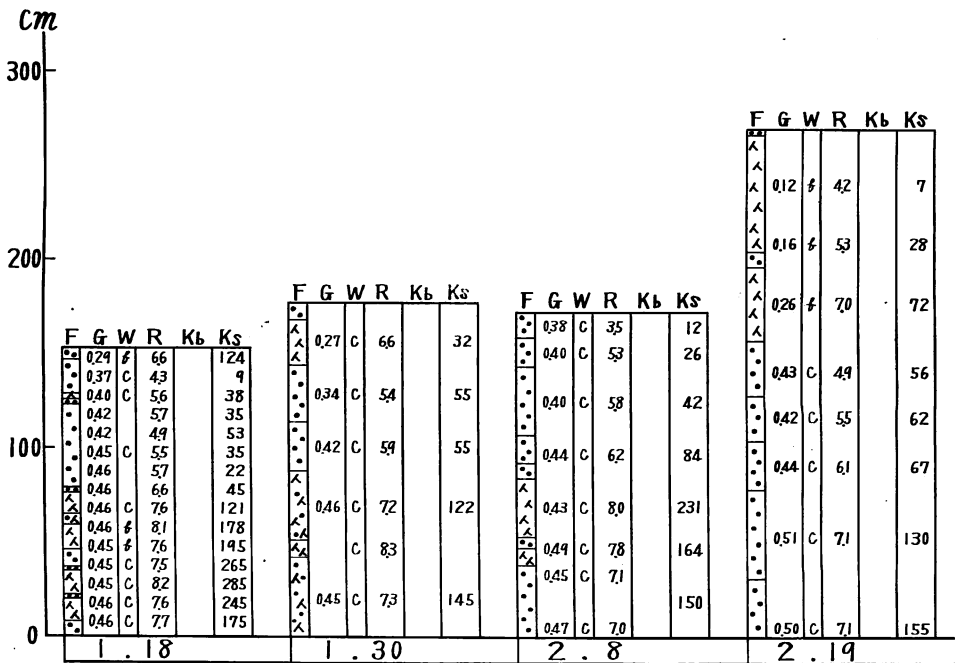
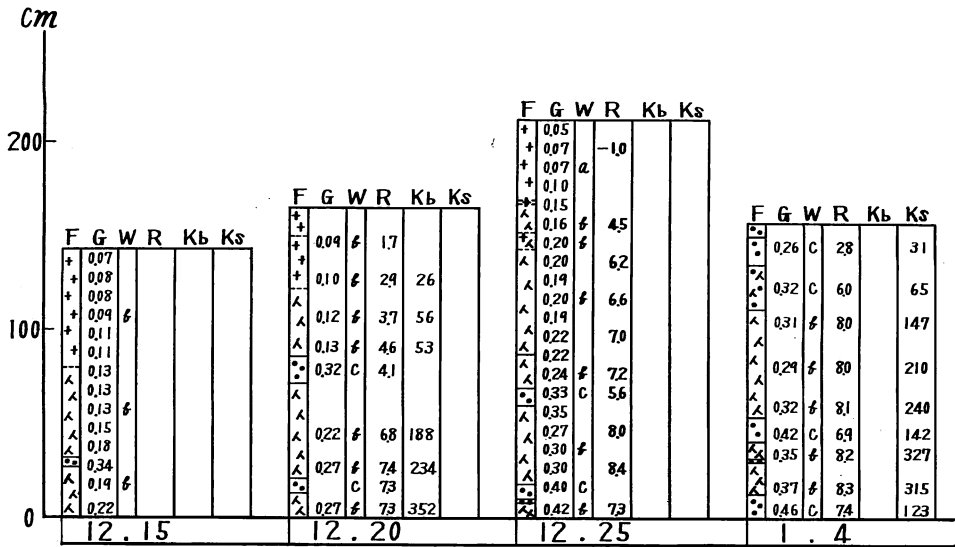
十日町 Tōkamachi 1954~1955



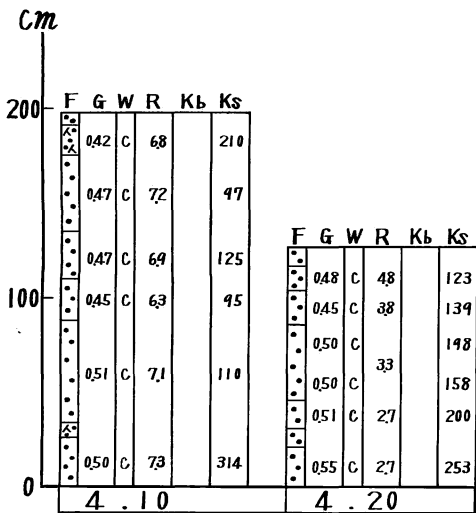
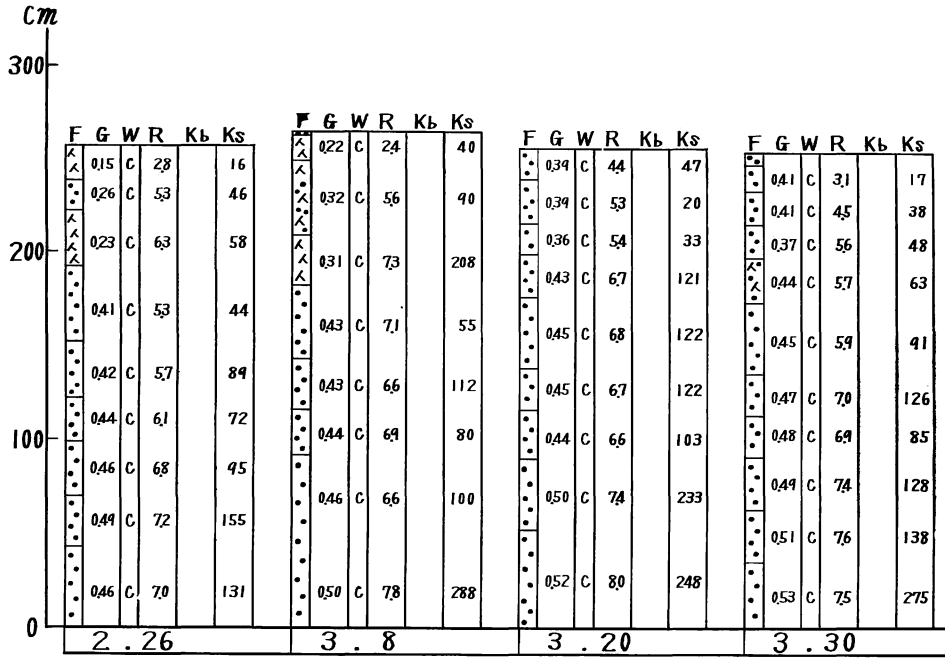
十日町 Tōkamachi 1955~1956



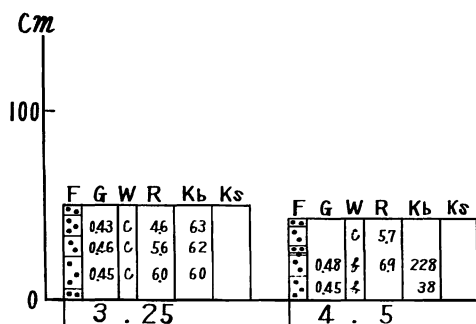
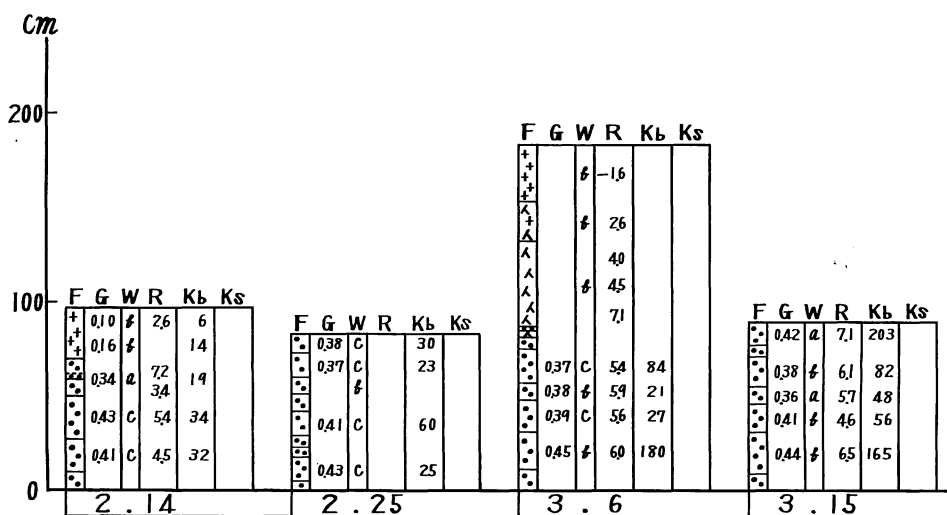
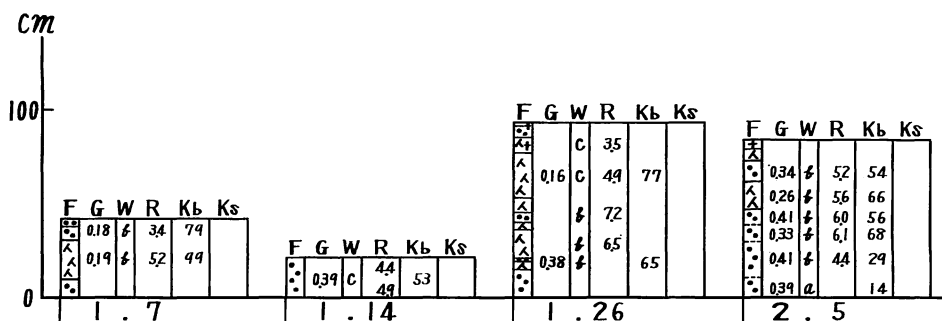
十日町 Tōkamachi 1956~1957



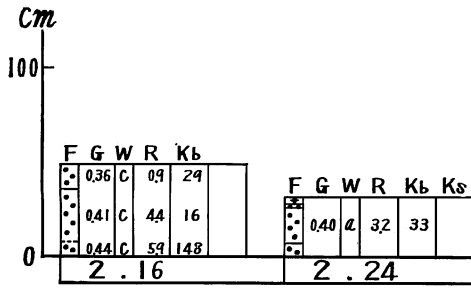
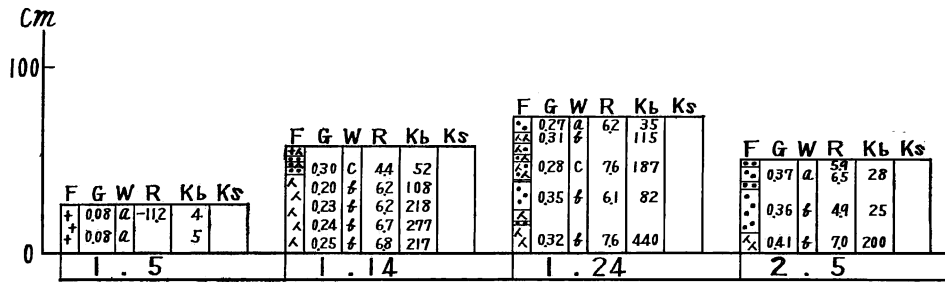
十日町 Tōkamachi 1656~1957



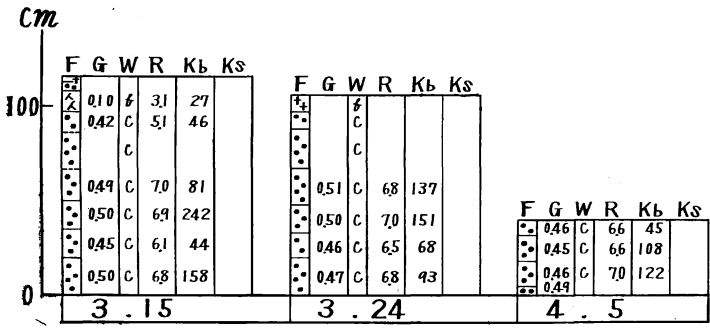
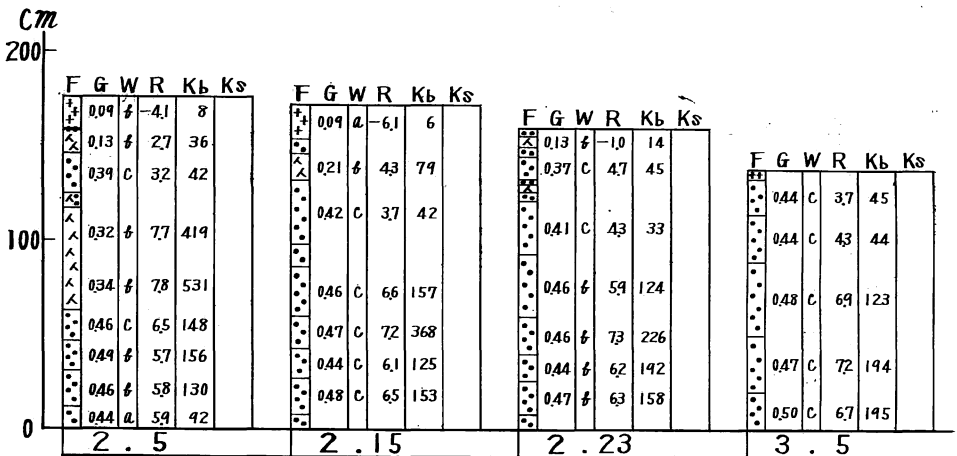
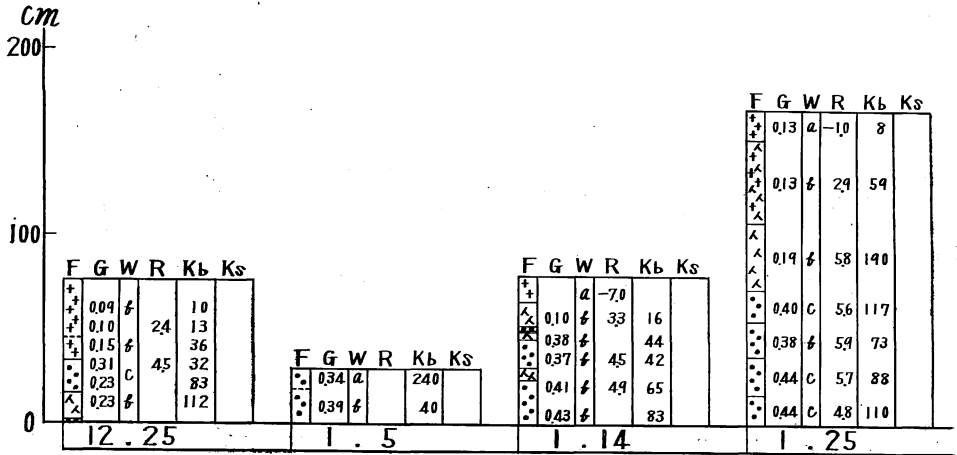
十日町 Tōkamachi 1957~1958



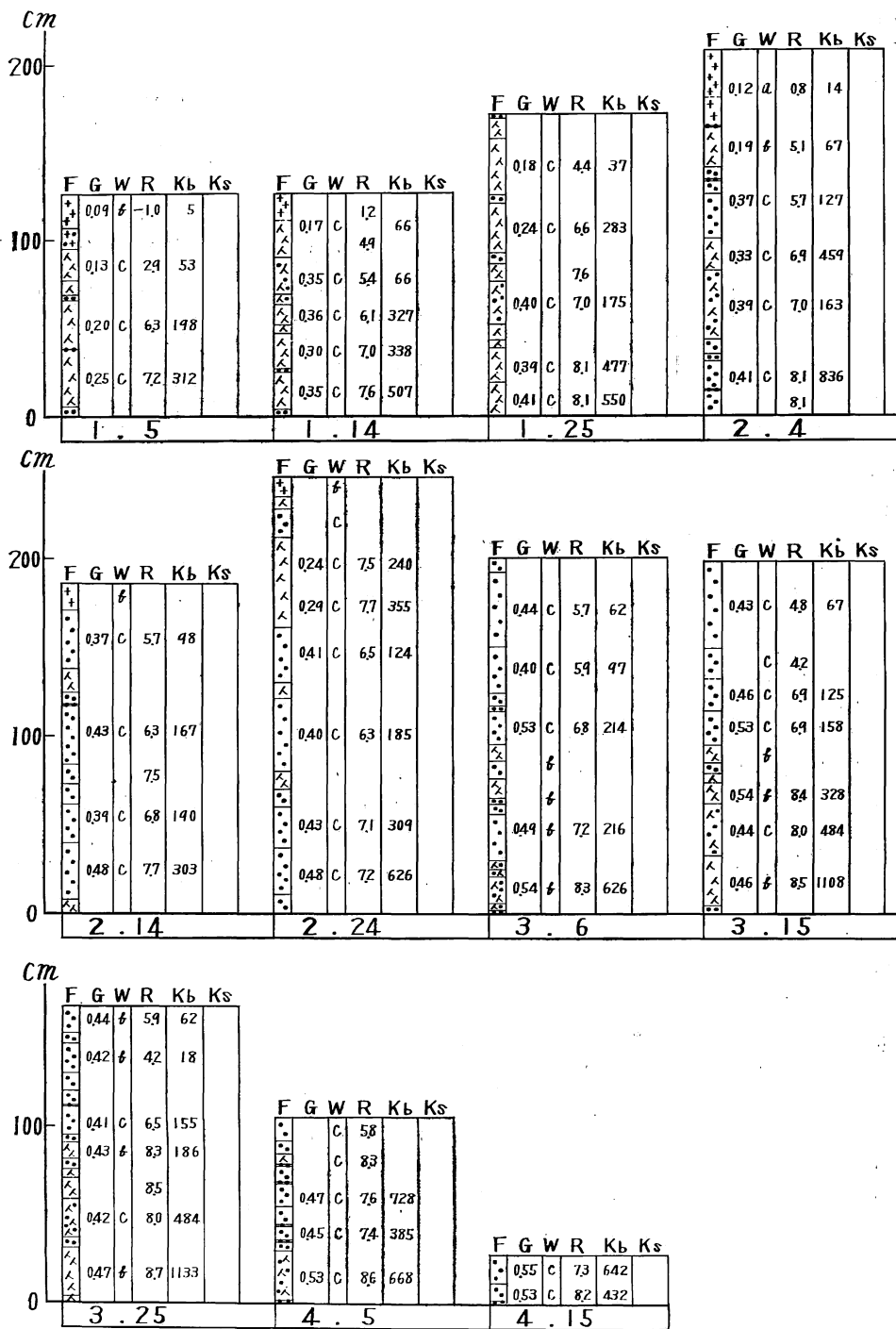
十日町 Tōkamachi 1958~1959



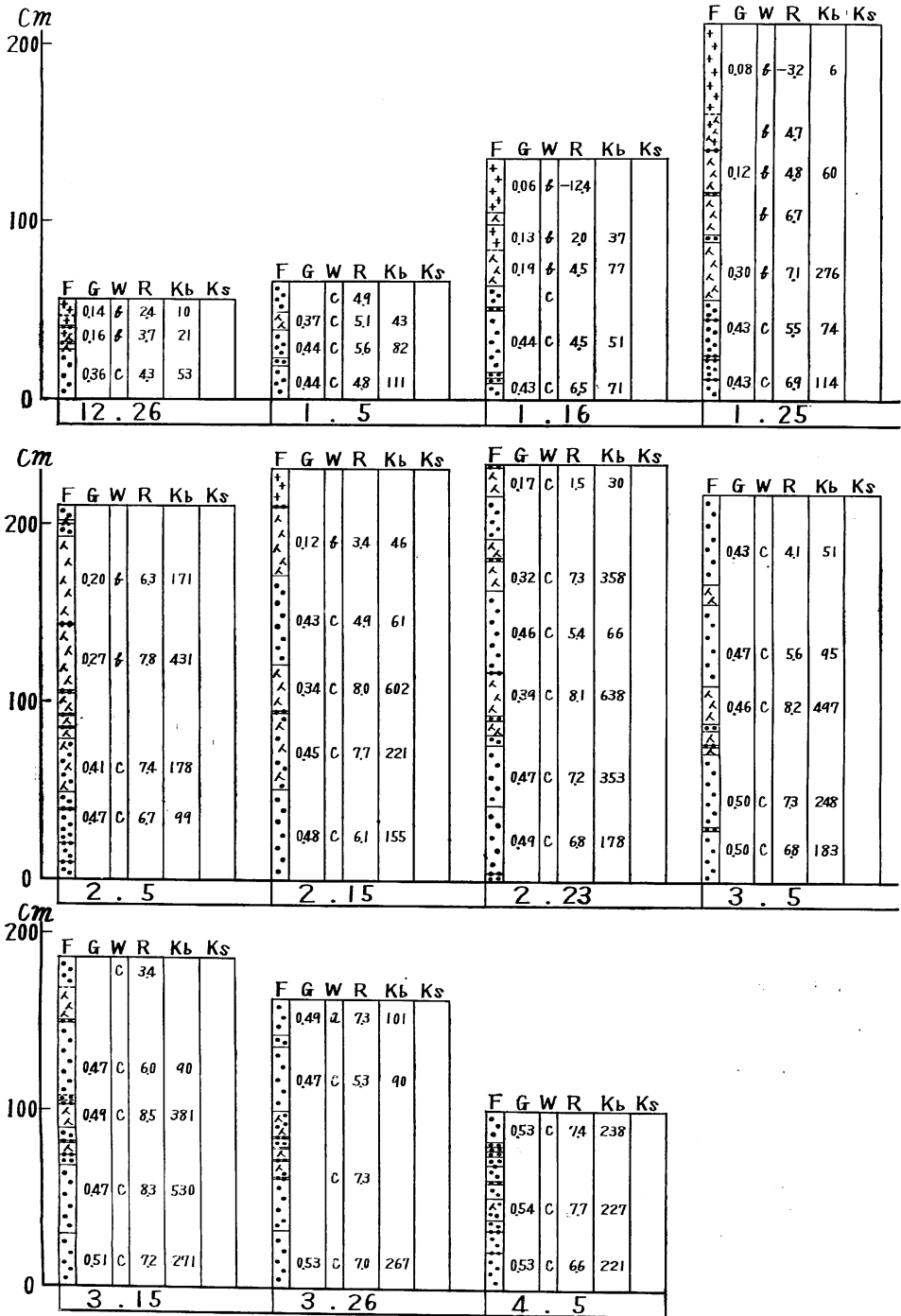
十日町 Tōkamachi 1959~1960



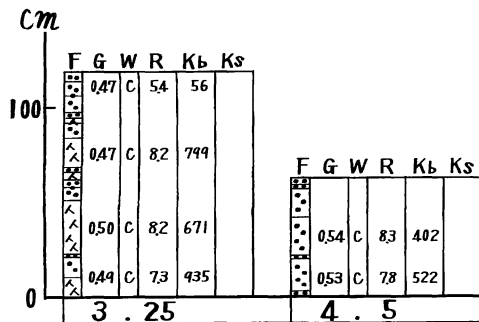
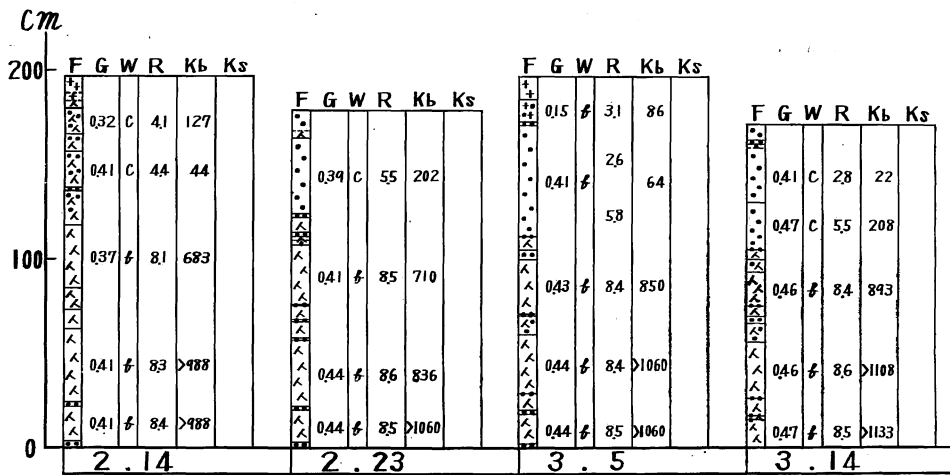
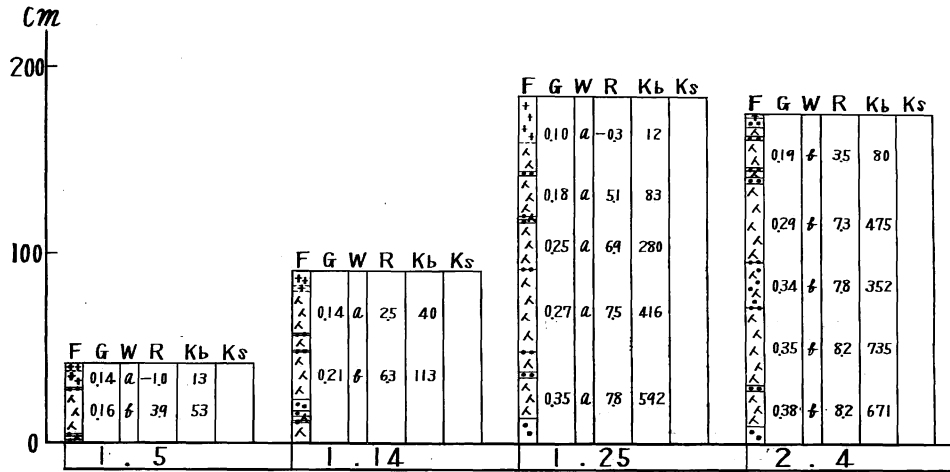
十日町 Tōkamachi 1960~1961



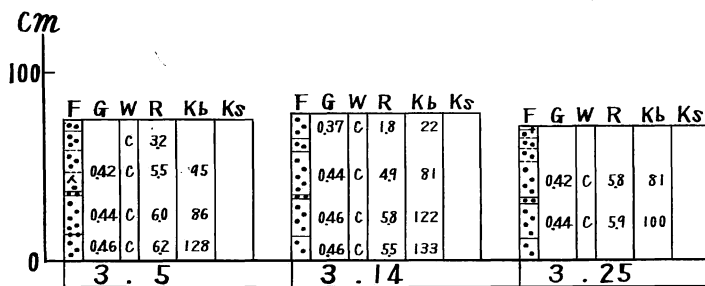
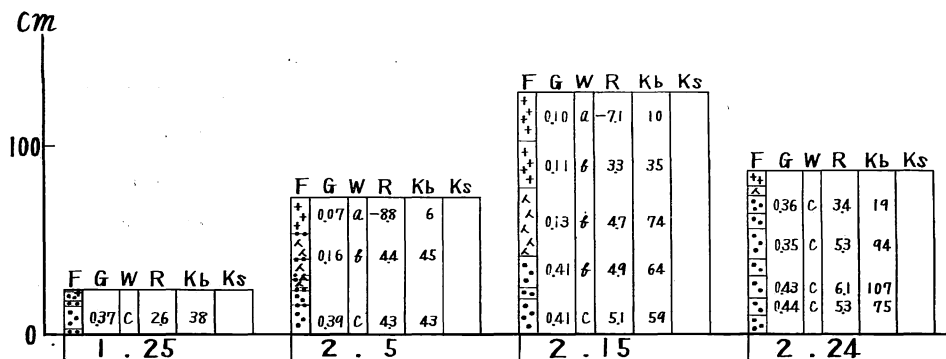
十日町 Tōkamachi 1961~1962



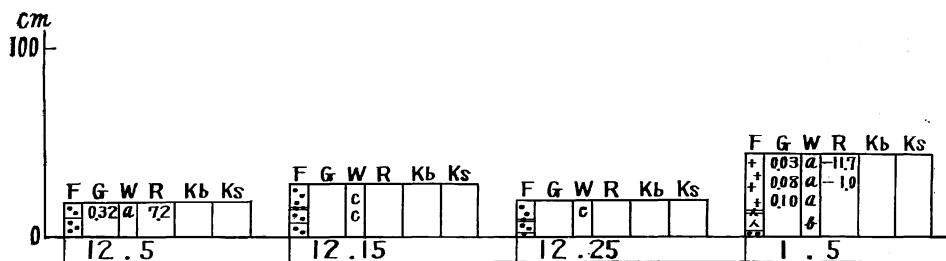
十日町 Tōkamachi 1962~1963



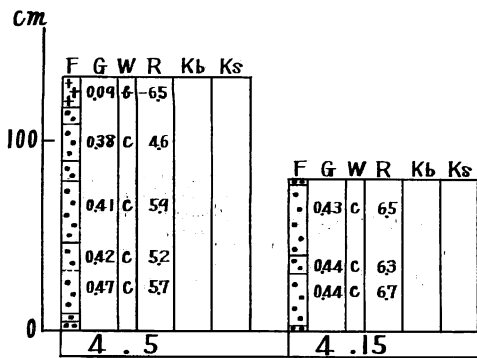
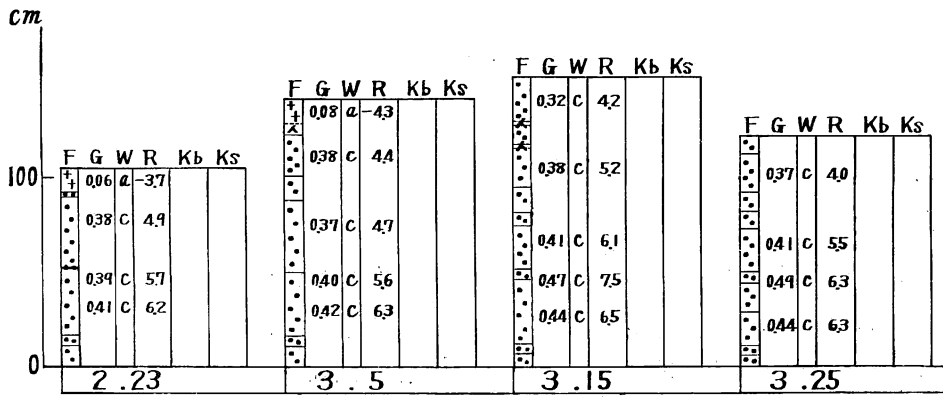
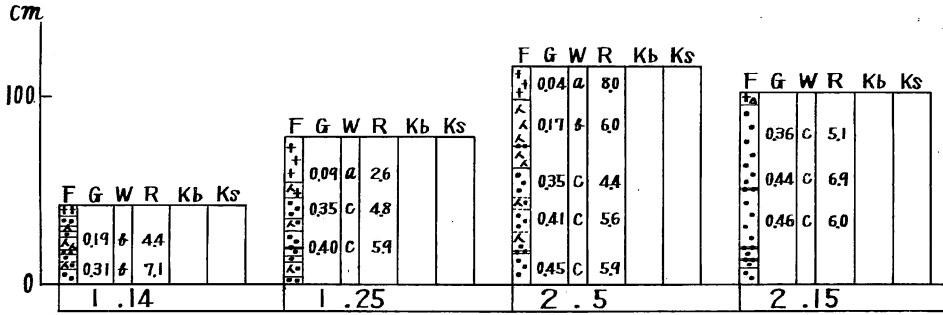
十日町 Tōkamachi 1963~1964



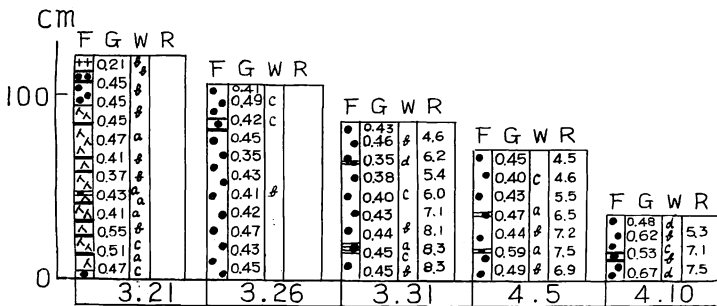
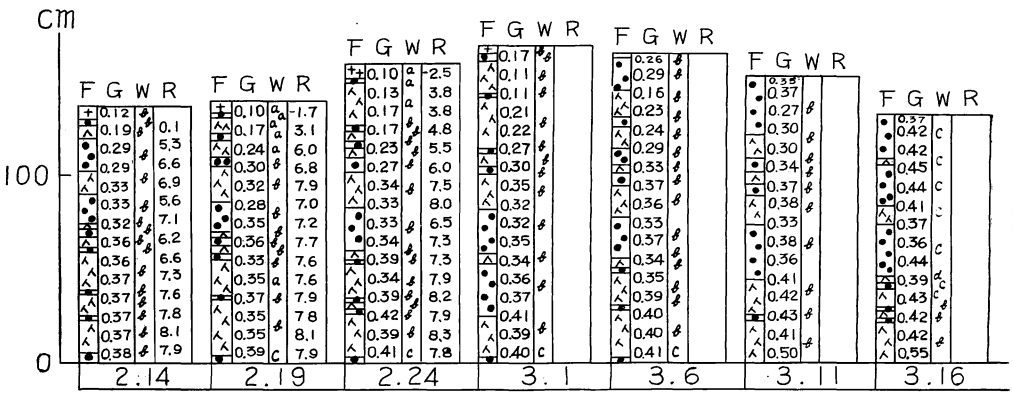
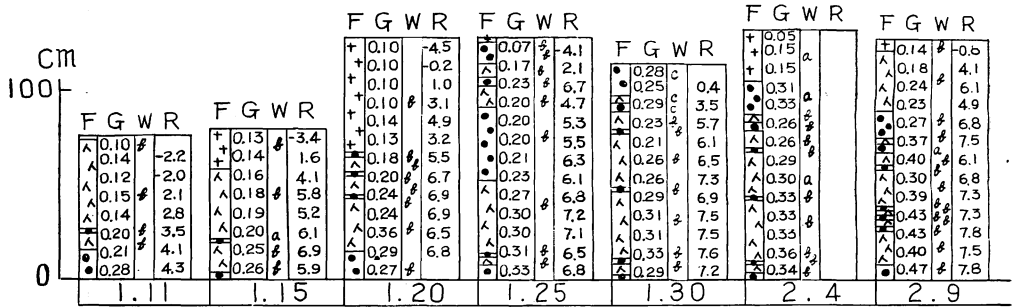
十日町 Tōkamachi 1964~1965



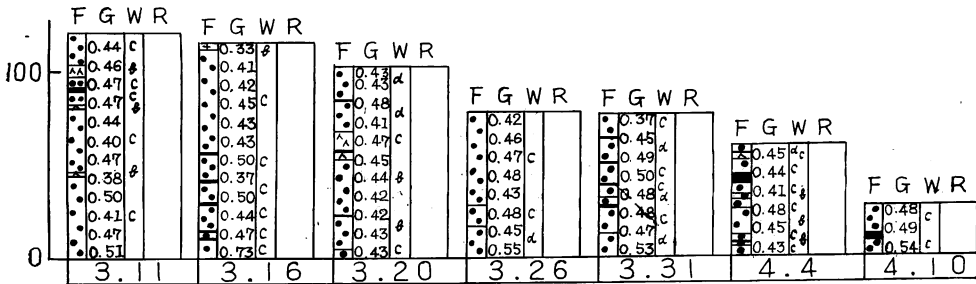
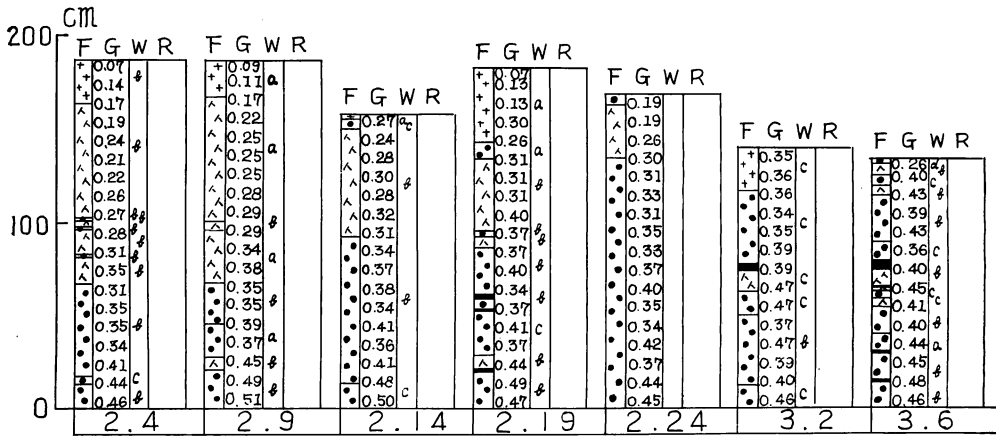
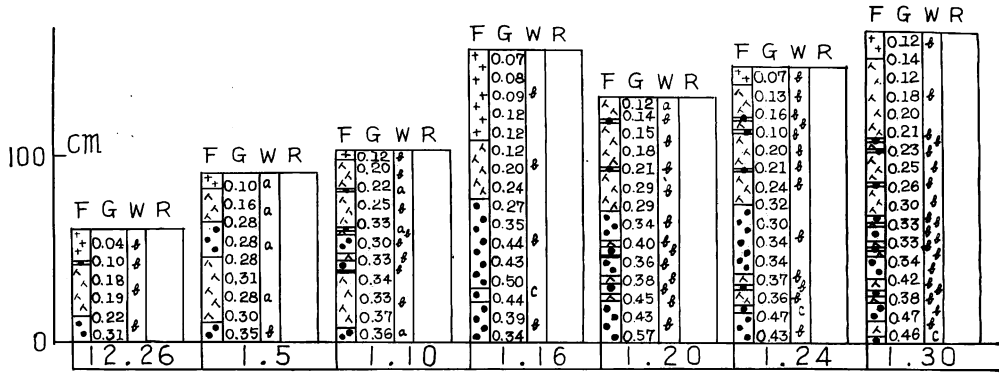
十日町 Tōkamachi 1964~1965



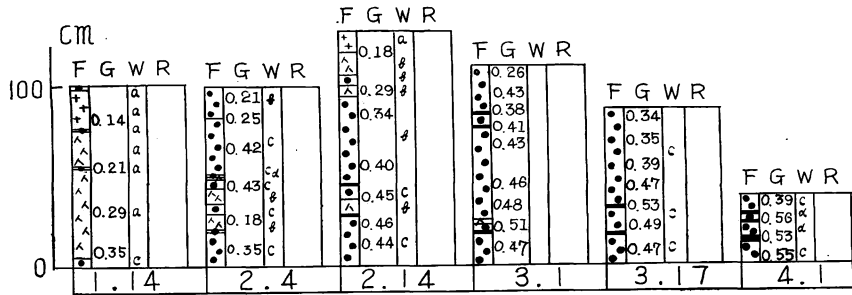
釜淵 Kamabuchi 1951~1952



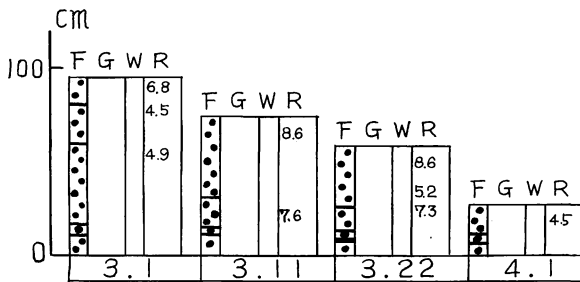
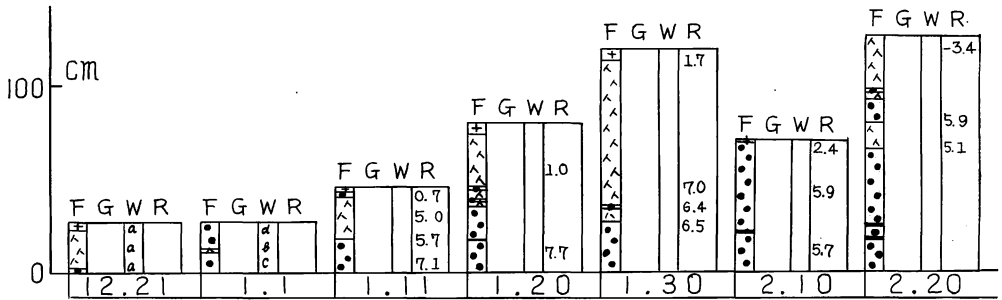
釜淵 Kamabuchi 1952~1953



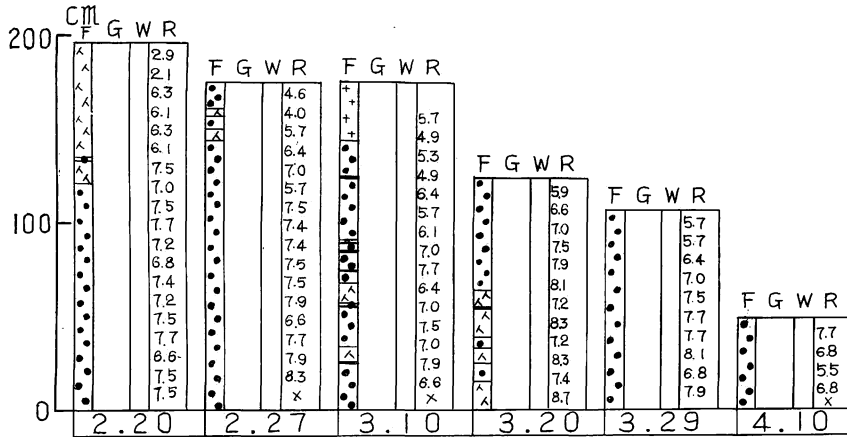
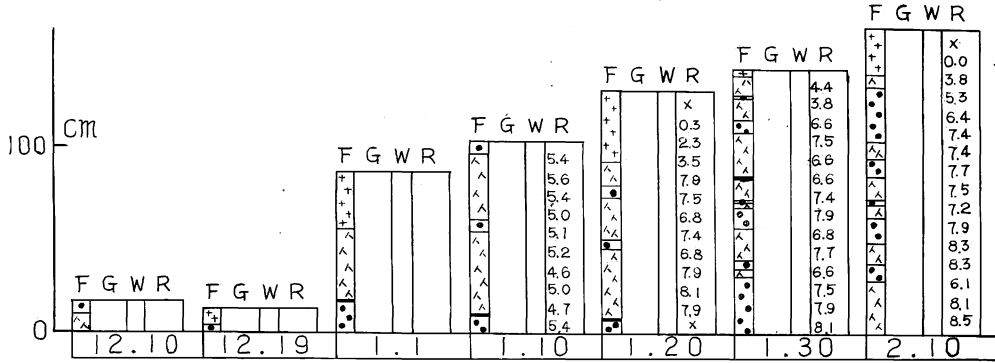
釜淵 Kamabuchi 1954~1955



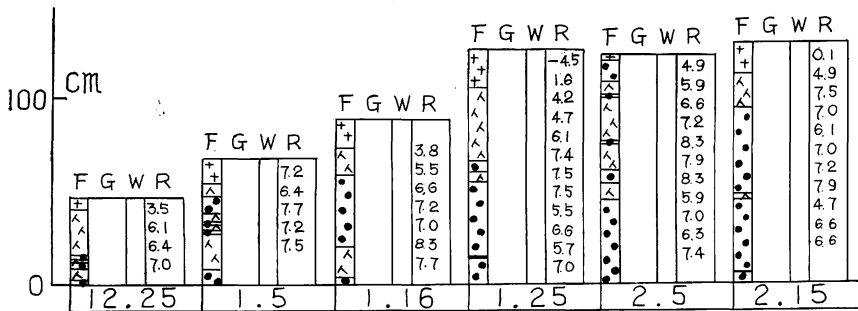
釜淵 Kamabuchi 1959~1960

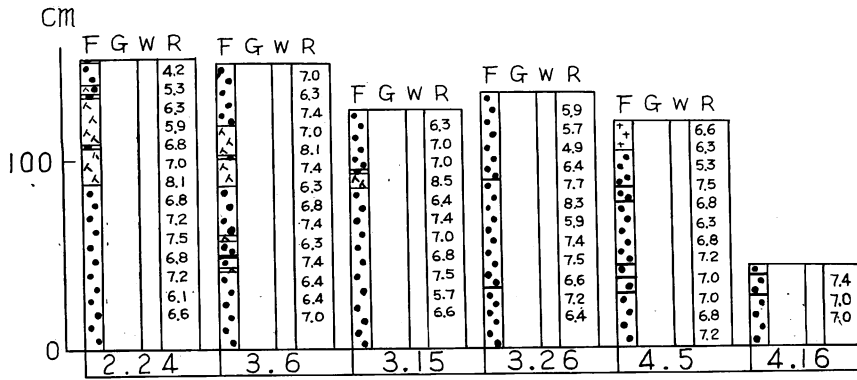


釜淵 Kamabuchi 1960~1961

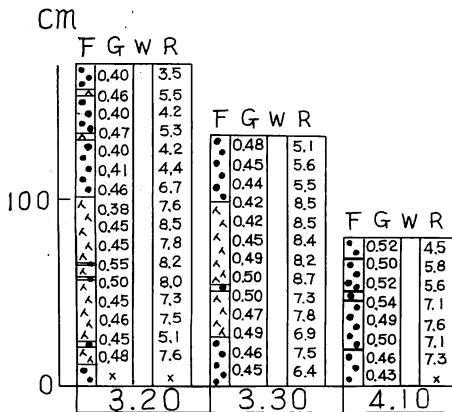
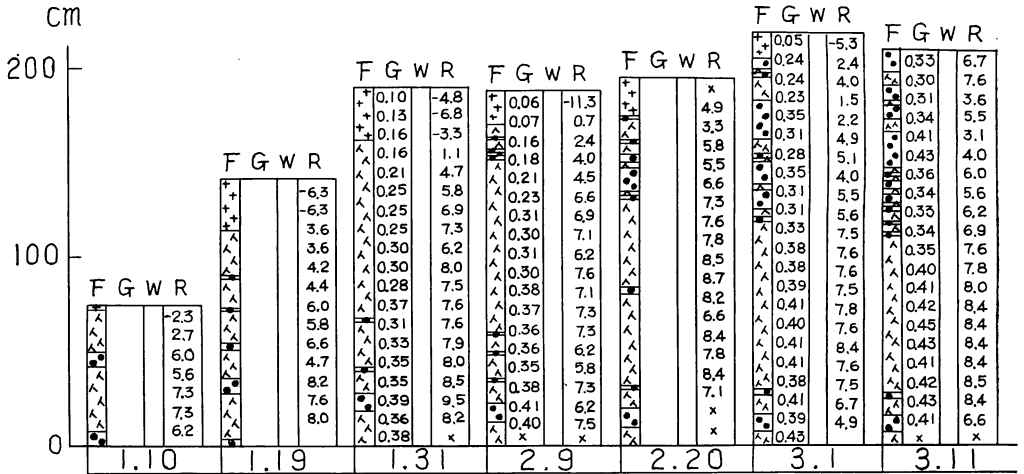


釜淵 Kamabuchi 1961~1962

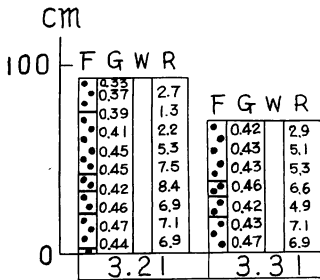
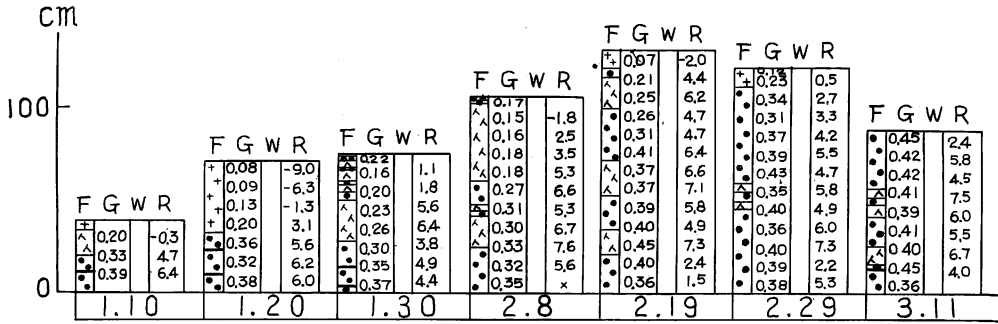




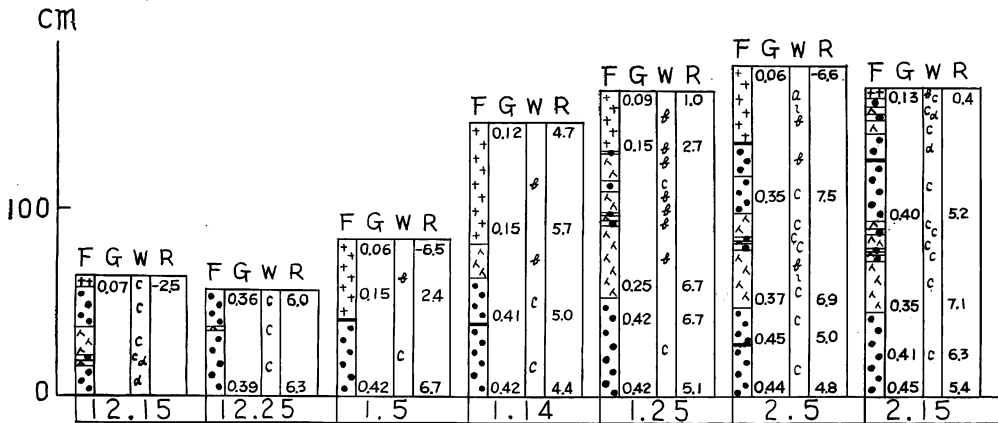
釜淵 Kamabuchi 1962~1963

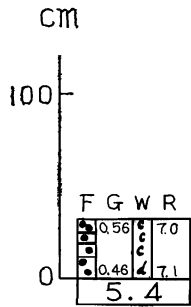
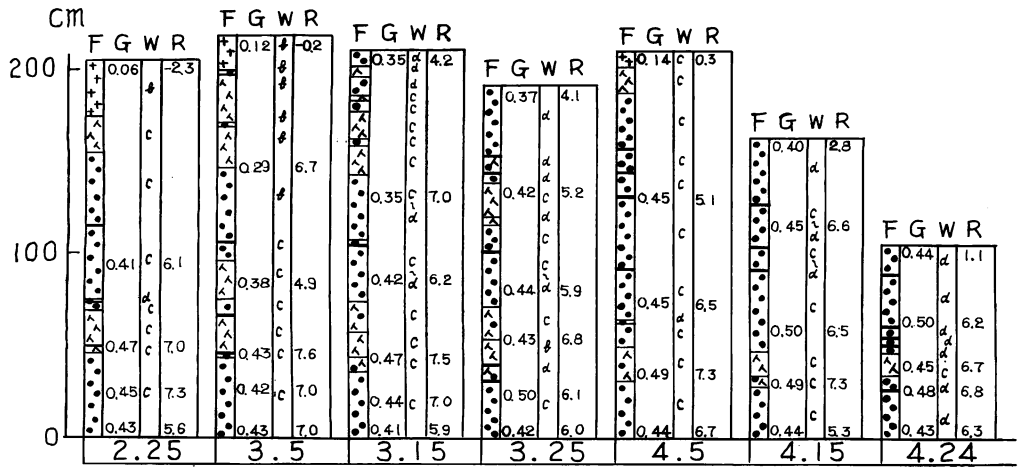


釜淵 Kamabuchi 1963~1964



釜淵 Kamabuchi 1964~1965





II. 積雪水量

十日町 Tōkamachi 1951~1952

| 月 項 目 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|------------------|----|-----------|----|----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | 151 | 0.38 | 567 | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | 93 | 0.36 | 336 | | | | | | |
| 5 | | | | | | | | | | | | | 67 | 0.46 | 306 |
| 6 | | | | | | | | | | 140 | 0.38 | 537 | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | 19 | 0.38 | 72 | | | | | | | | | | | | |
| 9 | | | | | | | 110 | 0.35 | 380 | | | | | | |
| 10 | | | | 47 | 0.13 | 63 | | | | | | | 32 | 0.48 | 153 |
| 11 | | | | | | | | | | 139 | 0.40 | 554 | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | | | | 159 | 0.29 | 469 | | | | | | |
| 15 | | | | 82 | 0.19 | 154 | | | | | | | | | |
| 16 | 36 | 0.12 | 43 | | | | | | | 130 | 0.44 | 567 | | | |
| 17 | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | |
| 19 | | | | | | | 147 | 0.34 | 501 | | | | | | |
| 20 | | | | 77 | 0.28 | 217 | | | | | | | | | |
| 21 | 17 | 0.15 | 25 | | | | | | | 111 | 0.41 | 457 | | | |
| 22 | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | |
| 24 | | | | | | | 187 | 0.29 | 539 | | | | | | |
| 25 | | | | 77 | 0.37 | 285 | | | | | | | | | |
| 26 | | | | | | | | | | 93 | 0.45 | 418 | | | |
| 27 | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | |
| 30 | | | | 81 | 0.37 | 301 | | | | | | | | | |
| 31 | 23 | 0.14 | 32 | | | | | | | 72 | 0.46 | 330 | | | |

十日町 Tōkamachi 1952~1953

| 月 項 目 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|------------------|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 79 | 0.28 | 219 | 192 | 0.26 | 504 | 186 | 0.43 | 793 | 70 | 0.49 | 332 |
| 2 | | | | 95 | 0.23 | 219 | 216 | 0.26 | 551 | 180 | 0.44 | 797 | 62 | 0.50 | 309 |
| 3 | | | | 90 | 0.25 | 225 | 228 | 0.25 | 575 | 171 | 0.44 | 752 | × | × | × |
| 4 | | | | 104 | 0.23 | 239 | 228 | 0.26 | 586 | 178 | 0.41 | 738 | 47 | 0.48 | 226 |
| 5 | | | | 90 | 0.28 | 247 | 210 | 0.29 | 607 | 170 | 0.45 | 758 | 50 | 0.52 | 258 |
| 6 | | | | 84 | 0.30 | 254 | 202 | 0.30 | 606 | 185 | 0.42 | 768 | 33 | 0.50 | 166 |
| 7 | | | | 91 | 0.28 | 254 | 192 | 0.31 | 594 | 177 | 0.43 | 766 | 23 | 0.51 | 118 |
| 8 | | | | 94 | 0.28 | 263 | 208 | 0.30 | 617 | 166 | 0.46 | 769 | 16 | 0.48 | 77 |
| 9 | | | | 110 | 0.26 | 285 | 228 | 0.28 | 635 | 167 | 0.47 | 778 | 12 | 0.55 | 66 |
| 10 | | | | 101 | 0.28 | 282 | 235 | 0.29 | 685 | 161 | 0.47 | 762 | | | |
| 11 | | | | 85 | 0.35 | 300 | 215 | 0.32 | 681 | 158 | 0.46 | 729 | | | |
| 12 | | | | 78 | 0.36 | 284 | 194 | 0.35 | 670 | 145 | 0.48 | 700 | | | |
| 13 | | | | 80 | 0.36 | 287 | 181 | 0.37 | 676 | 140 | 0.48 | 666 | | | |
| 14 | | | | 82 | 0.35 | 283 | 189 | 0.37 | 707 | 139 | 0.47 | 651 | | | |
| 15 | | | | 118 | 0.28 | 328 | 185 | 0.38 | 690 | 130 | 0.47 | 607 | | | |

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|------|-----------|-------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | | | | 121 | 0.28 | 343 | 205 | 0.35 | 722 | 126 | 0.48 | 606 | | | |
| 17 | | | | 130 | 0.27 | 354 | 192 | 0.37 | 717 | 130 | 0.45 | 586 | | | |
| 18 | | | | 137 | 0.27 | 369 | 224 | 0.33 | 737 | 125 | 0.47 | 587 | | | |
| 19 | | | | 122 | 0.30 | 366 | 221 | 0.35 | 769 | 123 | 0.48 | 586 | | | |
| 20 | | | | 113 | 0.32 | 366 | 239 | 0.33 | 781 | 119 | 0.47 | 564 | | | |
| 21 | | | | 111 | 0.33 | 363 | 230 | 0.34 | 784 | 111 | 0.49 | 539 | | | |
| 22 | | | | 110 | 0.34 | 370 | 239 | 0.33 | 799 | 108 | 0.50 | 538 | | | |
| 23 | 57 | 0.15 | 87 | 145 | 0.29 | 414 | 235 | 0.34 | 809 | 106 | 0.48 | 509 | | | |
| 24 | 70 | 0.16 | 110 | 144 | 0.28 | 405 | 225 | 0.36 | 812 | 105 | 0.49 | 514 | | | |
| 25 | 59 | 0.19 | 111 | 130 | 0.32 | 413 | 207 | 0.39 | 810 | 97 | 0.47 | 457 | | | |
| 26 | 80 | 0.17 | 135 | 127 | 0.33 | 415 | 202 | 0.40 | 816 | 88 | 0.48 | 421 | | | |
| 27 | 93 | 0.16 | 151 | 123 | 0.34 | 422 | 197 | 0.41 | 806 | 88 | 0.47 | 416 | | | |
| 28 | 106 | 0.17 | 184 | 118 | 0.35 | 413 | 193 | 0.41 | 797 | 83 | 0.47 | 388 | | | |
| 29 | 129 | 0.17 | 219 | 132 | 0.32 | 428 | | | | 85 | 0.44 | 373 | | | |
| 30 | 108 | 0.20 | 217 | 143 | 0.32 | 458 | | | | 83 | 0.51 | 419 | | | |
| 31 | × | × | × | 176 | 0.27 | 470 | | | | 78 | 0.51 | 398 | | | |
| 平均 | 87.8 | 0.17 | 151.8 | 111.7 | 0.30 | 333.5 | 211.1 | 0.33 | 697.9 | 132.5 | 0.47 | 610.8 | 39.1 | 0.50 | 194.0 |

十日町 Tōkamachi 1953~1954

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|----|-----------|----|------|-----------|------|-------|-----------|-------|------|-----------|-------|----|-----------|----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 66 | 0.11 | 69 | 137 | 0.16 | 215 | 48 | 0.45 | 215 | | | |
| 2 | | | | 49 | 0.12 | 60 | 165 | 0.15 | 251 | 43 | 0.45 | 194 | | | |
| 3 | | | | 38 | 0.18 | 67 | 138 | 0.18 | 254 | 42 | 0.45 | 189 | | | |
| 4 | | | | 30 | 0.22 | 65 | 130 | 0.20 | 259 | 40 | 0.43 | 172 | | | |
| 5 | | | | 24 | 0.27 | 64 | 120 | 0.22 | 262 | 73 | 0.29 | 215 | | | |
| 6 | | | | 19 | 0.34 | 65 | 135 | 0.21 | 278 | 63 | 0.33 | 209 | | | |
| 7 | | | | 20 | 0.32 | 64 | 135 | 0.21 | 283 | 60 | 0.35 | 211 | | | |
| 8 | | | | 27 | 0.26 | 70 | 154 | 0.20 | 312 | 65 | 0.33 | 211 | | | |
| 9 | | | | 22 | 0.32 | 69 | 136 | 0.23 | 313 | 56 | 0.37 | 207 | | | |
| 10 | | | | 18 | 0.33 | 60 | 127 | 0.25 | 315 | 51 | 0.41 | 208 | | | |
| 11 | | | | 27 | 0.23 | 61 | 125 | 0.25 | 311 | 47 | 0.43 | 201 | | | |
| 12 | | | | 33 | 0.21 | 69 | 105 | 0.30 | 310 | 45 | 0.45 | 202 | | | |
| 13 | | | | 25 | 0.25 | 63 | 96 | 0.31 | 299 | 58 | 0.35 | 201 | | | |
| 14 | | | | 21 | 0.33 | 69 | 94 | 0.33 | 313 | 54 | 0.38 | 206 | | | |
| 15 | | | | 20 | 0.33 | 67 | 91 | 0.34 | 307 | 49 | 0.43 | 211 | | | |
| 16 | | | | 19 | 0.31 | 59 | 85 | 0.37 | 313 | 49 | 0.43 | 209 | | | |
| 17 | | | | 16 | 0.34 | 55 | 86 | 0.36 | 310 | 47 | 0.43 | 204 | | | |
| 18 | | | | 15 | 0.32 | 48 | 84 | 0.37 | 313 | 44 | 0.44 | 193 | | | |
| 19 | | | | 14 | 0.31 | 44 | 85 | 0.37 | 310 | 38 | 0.46 | 173 | | | |
| 20 | | | | 10 | 0.34 | 34 | 87 | 0.36 | 313 | 33 | 0.47 | 154 | | | |
| 21 | | | | 13 | 0.26 | 34 | × | × | × | 32 | 0.45 | 145 | | | |
| 22 | | | | 15 | 0.24 | 36 | × | × | × | 32 | 0.46 | 148 | | | |
| 23 | | | | 24 | 0.17 | 41 | × | × | × | 30 | 0.46 | 137 | | | |
| 24 | | | | 33 | 0.15 | 49 | 89 | 0.37 | 328 | 24 | 0.46 | 109 | | | |
| 25 | | | | 35 | 0.15 | 52 | 80 | 0.41 | 324 | 21 | 0.45 | 95 | | | |
| 26 | | | | 46 | 0.15 | 68 | 74 | 0.43 | 319 | | | | | | |
| 27 | | | | 53 | 0.15 | 77 | 68 | 0.45 | 308 | | | | | | |
| 28 | | | | 42 | 0.12 | 51 | 50 | 0.48 | 240 | | | | | | |
| 29 | | | | 71 | 0.16 | 113 | | | | | | | | | |
| 30 | | | | 90 | 0.16 | 140 | | | | | | | | | |
| 31 | | | | 112 | 0.16 | 175 | | | | | | | | | |
| 平均 | | | | 33.8 | 0.24 | 66.4 | 107.0 | 0.30 | 294.4 | 45.8 | 0.42 | 184.8 | | | |

十日町 Tōkamachi 1954~1955

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|------|-----------|------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 59 | 0.20 | 115 | 157 | 0.35 | 556 | 132 | 0.46 | 602 | 54 | 0.50 | 267 |
| 2 | | | | 66 | 0.20 | 131 | 140 | 0.38 | 537 | 130 | 0.44 | 581 | 45 | 0.48 | 214 |
| 3 | | | | 105 | 0.17 | 176 | 132 | 0.41 | 548 | 122 | 0.46 | 561 | 39 | 0.50 | 191 |
| 4 | | | | 110 | 0.17 | 184 | 130 | 0.42 | 542 | 123 | 0.45 | 549 | 42 | 0.43 | 183 |
| 5 | | | | 96 | 0.19 | 186 | 132 | 0.42 | 550 | 122 | 0.45 | 551 | 55 | 0.37 | 203 |
| 6 | | | | 134 | 0.18 | 236 | 149 | 0.38 | 569 | 130 | 0.44 | 565 | 38 | 0.45 | 172 |
| 7 | | | | 121 | 0.21 | 259 | 150 | 0.38 | 572 | 149 | 0.39 | 579 | 28 | 0.49 | 140 |
| 8 | | | | 130 | 0.22 | 279 | 149 | 0.41 | 610 | 142 | 0.40 | 576 | 18 | 0.49 | 90 |
| 9 | | | | 115 | 0.24 | 275 | 143 | 0.42 | 598 | 135 | 0.44 | 599 | 11 | 0.47 | 53 |
| 10 | | | | 103 | 0.29 | 298 | 139 | 0.43 | 591 | 134 | 0.44 | 593 | | | |
| 11 | | | | 136 | 0.25 | 341 | 147 | 0.41 | 600 | 131 | 0.46 | 598 | | | |
| 12 | | | | 136 | 0.26 | 353 | 166 | 0.37 | 614 | 127 | 0.45 | 572 | | | |
| 13 | | | | 140 | 0.26 | 365 | 194 | 0.33 | 648 | 116 | 0.49 | 567 | | | |
| 14 | | | | 131 | 0.29 | 385 | 177 | 0.37 | 654 | 130 | 0.42 | 543 | | | |
| 15 | | | | 123 | 0.31 | 368 | 166 | 0.38 | 628 | 117 | 0.46 | 537 | | | |
| 16 | | | | 121 | 0.33 | 401 | 179 | 0.38 | 678 | 115 | 0.45 | 520 | | | |
| 17 | | | | 139 | 0.30 | 415 | 179 | 0.38 | 682 | 110 | 0.46 | 506 | | | |
| 18 | | | | 166 | 0.26 | 426 | 169 | 0.39 | 668 | 98 | 0.48 | 469 | | | |
| 19 | | | | 155 | 0.28 | 436 | 162 | 0.42 | 676 | 103 | 0.46 | 467 | | | |
| 20 | | | | 141 | 0.30 | 415 | 150 | 0.45 | 671 | 95 | 0.48 | 455 | | | |
| 21 | | | | 155 | 0.29 | 450 | 159 | 0.41 | 658 | 91 | 0.49 | 443 | | | |
| 22 | | | | 156 | 0.29 | 450 | 172 | 0.41 | 695 | 87 | 0.49 | 425 | | | |
| 23 | | | | 184 | 0.28 | 514 | 163 | 0.42 | 689 | 81 | 0.48 | 386 | | | |
| 24 | 5 | 0.15 | 8 | 165 | 0.30 | 504 | 155 | 0.44 | 673 | 95 | 0.43 | 406 | | | |
| 25 | 16 | 0.22 | 35 | 149 | 0.34 | 507 | 151 | 0.43 | 655 | 74 | 0.48 | 360 | | | |
| 26 | 23 | 0.19 | 44 | 144 | 0.36 | 516 | 150 | 0.44 | 655 | 78 | 0.48 | 375 | | | |
| 27 | 35 | 0.16 | 57 | 153 | 0.34 | 525 | 148 | 0.44 | 654 | 79 | 0.48 | 374 | | | |
| 28 | 43 | 0.15 | 67 | 148 | 0.36 | 535 | 135 | 0.47 | 633 | 69 | 0.47 | 326 | | | |
| 29 | 55 | 0.15 | 83 | 143 | 0.38 | 537 | | | | 68 | 0.48 | 324 | | | |
| 30 | 52 | 0.18 | 95 | 136 | 0.39 | 539 | | | | 63 | 0.50 | 312 | | | |
| 31 | 56 | 0.19 | 105 | 131 | 0.40 | 532 | | | | 60 | 0.45 | 272 | | | |
| 平均 | 35.6 | 0.17 | 61.8 | 132.0 | 0.28 | 375.9 | 155.0 | 0.41 | 625.1 | 106.6 | 0.46 | 483.6 | 36.7 | 0.46 | 168.1 |

十日町 Tōkamachi 1955~1956

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 12 | 0.25 | 29 | 192 | 0.24 | 460 | 186 | 0.43 | 794 | 101 | 0.49 | 498 |
| 2 | | | | 26 | 0.19 | 49 | 192 | 0.26 | 494 | 209 | 0.39 | 811 | 102 | 0.46 | 466 |
| 3 | | | | 21 | 0.25 | 53 | 176 | 0.28 | 498 | 214 | 0.39 | 840 | 95 | 0.49 | 466 |
| 4 | | | | 15 | 0.31 | 46 | 166 | 0.30 | 501 | 201 | 0.40 | 797 | 90 | 0.49 | 441 |
| 5 | | | | 14 | 0.31 | 44 | 156 | 0.34 | 534 | 188 | 0.42 | 798 | 82 | 0.51 | 421 |
| 6 | | | | 12 | 0.33 | 40 | 176 | 0.31 | 552 | 188 | 0.43 | 803 | 77 | 0.49 | 379 |
| 7 | | | | 11 | 0.36 | 39 | 166 | 0.35 | 581 | 182 | 0.44 | 792 | 74 | 0.52 | 381 |
| 8 | | | | 49 | 0.14 | 68 | 169 | 0.34 | 581 | 185 | 0.44 | 819 | 69 | 0.49 | 336 |
| 9 | 8 | 0.08 | 8 | 68 | 0.15 | 100 | 170 | 0.34 | 582 | 198 | 0.41 | 820 | 67 | 0.49 | 325 |
| 10 | 5 | 0.08 | 8 | 104 | 0.13 | 133 | 207 | 0.30 | 622 | 213 | 0.39 | 826 | 60 | 0.48 | 289 |
| 11 | — | — | — | 86 | 0.15 | 132 | 209 | 0.32 | 660 | 208 | 0.40 | 836 | 51 | 0.51 | 260 |
| 12 | — | — | — | 112 | 0.15 | 166 | 216 | 0.32 | 684 | 200 | 0.42 | 847 | 50 | 0.49 | 245 |
| 13 | — | — | — | 93 | 0.17 | 161 | 227 | 0.31 | 714 | 201 | 0.42 | 843 | 40 | 0.53 | 211 |
| 14 | — | — | — | 86 | 0.20 | 169 | 202 | 0.35 | 702 | 192 | 0.44 | 846 | 29 | 0.49 | 142 |
| 15 | — | — | — | 99 | 0.20 | 198 | 192 | 0.36 | 688 | 187 | 0.44 | 827 | 20 | 0.51 | 103 |

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|------|-----------|------|------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | — | — | — | 135 | 0.17 | 228 | 180 | 0.39 | 711 | 182 | 0.45 | 826 | | | |
| 17 | 31 | 0.08 | 25 | 139 | 0.18 | 249 | 170 | 0.43 | 723 | 159 | 0.48 | 756 | | | |
| 18 | 32 | 0.09 | 30 | 130 | 0.20 | 263 | 202 | 0.35 | 706 | 153 | 0.47 | 714 | | | |
| 19 | 31 | 0.13 | 40 | 104 | 0.25 | 259 | 226 | 0.32 | 724 | 148 | 0.49 | 725 | | | |
| 20 | 21 | 0.18 | 38 | 83 | 0.31 | 257 | 202 | 0.36 | 726 | 146 | 0.48 | 701 | | | |
| 21 | 11 | 0.26 | 29 | 77 | 0.31 | 241 | 207 | 0.36 | 744 | 142 | 0.49 | 692 | | | |
| 22 | 4 | 0.34 | 14 | 81 | 0.31 | 247 | 198 | 0.38 | 761 | 139 | 0.48 | 670 | | | |
| 23 | 18 | 0.13 | 23 | 83 | 0.32 | 262 | 208 | 0.36 | 755 | 134 | 0.48 | 646 | | | |
| 24 | 12 | 0.18 | 22 | 75 | 0.35 | 262 | 195 | 0.38 | 747 | 129 | 0.48 | 620 | | | |
| 25 | 10 | 0.23 | 23 | 129 | 0.23 | 298 | 209 | 0.37 | 769 | 126 | 0.49 | 612 | | | |
| 26 | 6 | 0.27 | 16 | 134 | 0.23 | 312 | 223 | 0.36 | 796 | 123 | 0.50 | 610 | | | |
| 27 | 1 | 0.05 | 0 | 126 | 0.26 | 328 | 198 | 0.40 | 790 | 123 | 0.48 | 593 | | | |
| 28 | — | — | — | 115 | 0.28 | 325 | 195 | 0.41 | 800 | 119 | 0.48 | 571 | | | |
| 29 | — | — | — | 126 | 0.28 | 351 | 187 | 0.43 | 799 | 117 | 0.49 | 572 | | | |
| 30 | — | — | — | 150 | 0.25 | 370 | | | | 109 | 0.51 | 551 | | | |
| 31 | — | — | — | 187 | 0.21 | 398 | | | | 101 | 0.49 | 494 | | | |
| 平均 | 14.6 | 0.16 | 21.2 | 86.5 | 0.24 | 196.0 | 193.6 | 0.35 | 669.1 | 164.6 | 0.45 | 730.7 | 67.1 | 0.50 | 330.9 |

十日町 Tōkamachi 1956~1957

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|-------|-----------|---------|-------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 182 | 0.29 | 534 | 216 | 0.35 | 764 | 305 | 0.37 | 1,131 | 262 | 0.45 | 1,189 |
| 2 | | | | 174 | 0.31 | 535 | 243 | 0.33 | 795 | 299 | 0.37 | 1,109 | 255 | 0.47 | 1,202 |
| 3 | | | | 168 | 0.32 | 538 | 219 | 0.35 | 768 | 282 | 0.39 | 1,105 | 267 | 0.44 | 1,183 |
| 4 | | | | 156 | 0.35 | 544 | 203 | 0.39 | 787 | 270 | 0.42 | 1,121 | 254 | 0.46 | 1,172 |
| 5 | | | | 160 | 0.35 | 564 | 190 | 0.41 | 780 | 263 | 0.43 | 1,139 | 247 | 0.47 | 1,149 |
| 6 | | | | 176 | 0.32 | 566 | 181 | 0.43 | 782 | 283 | 0.40 | 1,139 | 239 | 0.48 | 1,138 |
| 7 | | | | 197 | 0.30 | 587 | 179 | 0.44 | 787 | 278 | 0.41 | 1,149 | 229 | 0.48 | 1,103 |
| 8 | | | | 209 | 0.29 | 607 | 171 | 0.45 | 767 | 274 | 0.42 | 1,160 | 219 | 0.50 | 1,095 |
| 9 | | | | 201 | 0.32 | 634 | 166 | 0.45 | 740 | 265 | 0.45 | 1,184 | 211 | 0.48 | 1,007 |
| 10 | 38 | 0.08 | 31 | 187 | 0.34 | 629 | 165 | 0.46 | 764 | 267 | 0.44 | 1,174 | 200 | 0.51 | 1,028 |
| 11 | 61 | 0.11 | 68 | 173 | 0.36 | 625 | 180 | 0.41 | 740 | 267 | 0.44 | 1,170 | 195 | 0.52 | 1,002 |
| 12 | 60 | 0.16 | 94 | 170 | 0.37 | 624 | 205 | 0.37 | 768 | 273 | 0.43 | 1,171 | 190 | 0.51 | 973 |
| 13 | 70 | 0.15 | 106 | 185 | 0.35 | 643 | 264 | 0.32 | 851 | 297 | 0.40 | 1,198 | 185 | 0.52 | 954 |
| 14 | 107 | 0.14 | 152 | 181 | 0.35 | 638 | 257 | 0.34 | 868 | 305 | 0.40 | 1,223 | 176 | 0.50 | 887 |
| 15 | 143 | 0.14 | 200 | 171 | 0.37 | 629 | 260 | 0.34 | 896 | 308 | 0.40 | 1,233 | 171 | 0.51 | 870 |
| 16 | 148 | 0.16 | 232 | 154 | 0.42 | 646 | 238 | 0.38 | 910 | 296 | 0.43 | 1,263 | 165 | 0.51 | 840 |
| 17 | 125 | 0.19 | 238 | 155 | 0.43 | 671 | 249 | 0.38 | 943 | 280 | 0.44 | 1,226 | 162 | 0.51 | 827 |
| 18 | 128 | 0.20 | 261 | 152 | 0.42 | 632 | 294 | 0.34 | 993 | 269 | 0.46 | 1,227 | 152 | 0.52 | 790 |
| 19 | 157 | 0.18 | 287 | 151 | 0.43 | 647 | 275 | 0.36 | 994 | 262 | 0.46 | 1,210 | 145 | 0.54 | 786 |
| 20 | 160 | 0.20 | 318 | 179 | 0.37 | 664 | 289 | 0.35 | 1,018 | 260 | 0.47 | 1,229 | 133 | 0.56 | 743 |
| 21 | 179 | 0.20 | 351 | 193 | 0.35 | 681 | 274 | 0.37 | 1,022 | 259 | 0.47 | 1,209 | 130 | 0.53 | 687 |
| 22 | 181 | 0.21 | 388 | 224 | 0.32 | 723 | 283 | 0.37 | 1,040 | 272 | 0.45 | 1,223 | 123 | 0.53 | 648 |
| 23 | 181 | 0.23 | 422 | 208 | 0.34 | 712 | 265 | 0.40 | 1,060 | 271 | 0.46 | 1,232 | 114 | 0.53 | 608 |
| 24 | 190 | 0.23 | 442 | 220 | 0.33 | 727 | 270 | 0.40 | 1,067 | 263 | 0.46 | 1,206 | 103 | 0.53 | 551 |
| 25 | 213 | 0.23 | 485 | 212 | 0.35 | 737 | 270 | 0.39 | 1,063 | 266 | 0.47 | 1,245 | 97 | 0.53 | 517 |
| 26 | 244 | 0.21 | 524 | 203 | 0.36 | 739 | 260 | 0.41 | 1,061 | 273 | 0.46 | 1,243 | 80 | 0.55 | 438 |
| 27 | 229 | 0.23 | 538 | 194 | 0.39 | 757 | 268 | 0.40 | 1,085 | 304 | 0.41 | 1,257 | 79 | 0.54 | 424 |
| 28 | 213 | 0.25 | 542 | 183 | 0.39 | 720 | 285 | 0.39 | 1,108 | 280 | 0.44 | 1,223 | 70 | 0.51 | 358 |
| 29 | 214 | 0.25 | 539 | 175 | 0.42 | 729 | | | | 270 | 0.45 | 1,235 | 64 | 0.55 | 355 |
| 30 | 195 | 0.28 | 552 | 176 | 0.41 | 729 | | | | 263 | 0.46 | 1,213 | 54 | 0.53 | 284 |
| 31 | 192 | 0.28 | 542 | 178 | 0.41 | 738 | | | | 256 | 0.48 | 1,237 | | | |
| 平均 | 155.8 | 0.20 | 332.4 | 182.2 | 0.36 | 650.0 | 236.4 | 0.39 | 900.8 | 276.8 | 0.43 | 1,196.3 | 165.7 | 0.51 | 826.9 |

十日町 Tōkamachi 1957~1958

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|----|-----------|----|----|-----------|-----|----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | 85 | 0.32 | 276 | | | | 43 | 0.42 | 181 |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | 43 | 0.24 | 101 | | | | 187 | 0.25 | 464 | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | 21 | 0.39 | 81 | 99 | 0.33 | 323 | | | | | | |
| 15 | | | | | | | | | | | 89 | 0.40 | 360 | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | 86 | 0.40 | 347 | 54 | 0.43 | 230 | | | |
| 26 | | | | | 95 | 0.28 | 264 | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |

十日町 Tōkamachi 1958~1959

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|----|-----------|----|-----|-----------|-----|-----|-----------|-----|----|-----------|----|----|-----------|----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | 79 | 0.27 | 214 | 21 | 0.40 | 84 | | | |
| 2 | | | | | | | | 69 | 0.32 | 224 | 17 | 0.44 | 74 | | | |
| 3 | | | | | | | | 59 | 0.38 | 226 | 17 | 0.39 | 67 | | | |
| 4 | | | | | | | | 55 | 0.37 | 205 | 18 | 0.39 | 71 | | | |
| 5 | | | | | 26 | 0.08 | 21 | 53 | 0.38 | 204 | 15 | 0.39 | 59 | | | |
| 6 | | | | | 50 | 0.09 | 44 | 51 | 0.38 | 192 | 10 | 0.39 | 39 | | | |
| 7 | | | | | 80 | 0.09 | 71 | 47 | 0.39 | 185 | — | — | — | | | |
| 8 | | | | | 101 | 0.10 | 100 | 46 | 0.37 | 170 | — | — | — | | | |
| 9 | | | | | 85 | 0.12 | 102 | 42 | 0.40 | 169 | — | — | — | | | |
| 10 | | | | | 75 | 0.14 | 107 | 43 | 0.39 | 166 | — | — | — | | | |
| 11 | | | | | 73 | 0.16 | 116 | 84 | 0.24 | 204 | — | — | — | | | |
| 12 | | | | | 68 | 0.18 | 121 | 100 | 0.22 | 221 | — | — | — | | | |
| 13 | | | | | 59 | 0.20 | 120 | 83 | 0.28 | 233 | 35 | 0.06 | 21 | | | |
| 14 | | | | | 57 | 0.22 | 123 | 66 | 0.35 | 228 | 40 | 0.11 | 44 | | | |
| 15 | | | | | 62 | 0.22 | 138 | 56 | 0.40 | 222 | 40 | 0.16 | 63 | | | |

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|----|-----------|----|------|-----------|-------|------|-----------|-------|------|-----------|------|----|-----------|----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | | | | 58 | 0.23 | 133 | 51 | 0.41 | 208 | 24 | 0.25 | 61 | | | |
| 17 | | | | 63 | 0.23 | 147 | 45 | 0.40 | 181 | 17 | 0.28 | 48 | | | |
| 18 | | | | 83 | 0.22 | 183 | 42 | 0.41 | 172 | 12 | 0.32 | 38 | | | |
| 19 | | | | 99 | 0.21 | 211 | 39 | 0.40 | 156 | 7 | 0.33 | 23 | | | |
| 20 | | | | 91 | 0.23 | 209 | 34 | 0.42 | 142 | | | | | | |
| 21 | | | | 84 | 0.25 | 207 | 31 | 0.41 | 128 | | | | | | |
| 22 | | | | 96 | 0.23 | 221 | 30 | 0.42 | 127 | | | | | | |
| 23 | | | | 80 | 0.28 | 220 | 26 | 0.42 | 108 | | | | | | |
| 24 | | | | 75 | 0.30 | 223 | 31 | 0.35 | 109 | | | | | | |
| 25 | | | | 70 | 0.32 | 224 | 37 | 0.30 | 112 | | | | | | |
| 26 | | | | 61 | 0.36 | 219 | 30 | 0.38 | 113 | | | | | | |
| 27 | | | | 58 | 0.36 | 207 | 28 | 0.39 | 109 | | | | | | |
| 28 | | | | 53 | 0.37 | 194 | 24 | 0.40 | 95 | | | | | | |
| 29 | | | | 52 | 0.38 | 195 | | | | | | | | | |
| 30 | | | | 51 | 0.38 | 196 | | | | | | | | | |
| 31 | | | | 59 | 0.33 | 196 | | | | | | | | | |
| 平均 | | | | 69.2 | 0.23 | 157.3 | 49.3 | 0.37 | 162.3 | 21.0 | 0.30 | 53.2 | | | |

十日町 Tōkamachi 1959~1960

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|------|-----------|------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 34 | 0.36 | 122 | 180 | 0.31 | 564 | 146 | 0.44 | 647 | 68 | 0.46 | 315 |
| 2 | | | | 32 | 0.35 | 111 | 169 | 0.33 | 557 | 144 | 0.45 | 647 | 65 | 0.44 | 286 |
| 3 | | | | 34 | 0.37 | 125 | 159 | 0.35 | 558 | 143 | 0.45 | 639 | 62 | 0.44 | 273 |
| 4 | | | | 31 | 0.38 | 119 | 174 | 0.34 | 589 | 142 | 0.44 | 630 | 55 | 0.45 | 247 |
| 5 | | | | 29 | 0.38 | 109 | 178 | 0.33 | 586 | 146 | 0.44 | 641 | 50 | 0.45 | 227 |
| 6 | | | | 49 | 0.23 | 113 | 162 | 0.37 | 597 | 137 | 0.46 | 626 | 45 | 0.46 | 207 |
| 7 | | | | 75 | 0.20 | 148 | 159 | 0.38 | 599 | 131 | 0.46 | 603 | 32 | 0.45 | 143 |
| 8 | | | | 73 | 0.24 | 176 | 156 | 0.39 | 605 | 129 | 0.46 | 593 | 39 | 0.36 | 141 |
| 9 | | | | 75 | 0.24 | 183 | 148 | 0.40 | 597 | 127 | 0.46 | 585 | 28 | 0.45 | 126 |
| 10 | | | | 62 | 0.29 | 179 | 144 | 0.42 | 607 | 121 | 0.46 | 561 | 20 | 0.42 | 84 |
| 11 | | | | 56 | 0.32 | 177 | 156 | 0.40 | 617 | 115 | 0.47 | 542 | | | |
| 12 | | | | 53 | 0.35 | 187 | 174 | 0.36 | 623 | 110 | 0.47 | 514 | | | |
| 13 | | | | 74 | 0.28 | 210 | 181 | 0.35 | 629 | 105 | 0.46 | 486 | | | |
| 14 | | | | 80 | 0.27 | 218 | 160 | 0.40 | 627 | 132 | 0.38 | 506 | | | |
| 15 | | | | 64 | 0.35 | 224 | 170 | 0.38 | 639 | 123 | 0.41 | 507 | | | |
| 16 | | | | 61 | 0.36 | 219 | 175 | 0.37 | 645 | 140 | 0.38 | 533 | | | |
| 17 | | | | 64 | 0.38 | 240 | 160 | 0.40 | 646 | 146 | 0.37 | 544 | | | |
| 18 | 15 | 0.07 | 10 | 66 | 0.36 | 237 | 164 | 0.41 | 667 | 142 | 0.39 | 558 | | | |
| 19 | 16 | 0.08 | 13 | 105 | 0.27 | 279 | 177 | 0.39 | 687 | 139 | 0.41 | 567 | | | |
| 20 | 5 | 0.22 | 11 | 108 | 0.27 | 291 | 160 | 0.42 | 668 | 126 | 0.45 | 566 | | | |
| 21 | 17 | 0.15 | 26 | 94 | 0.31 | 290 | 153 | 0.43 | 659 | 117 | 0.46 | 542 | | | |
| 22 | 58 | 0.12 | 70 | 132 | 0.25 | 334 | 166 | 0.41 | 681 | 110 | 0.47 | 514 | | | |
| 23 | 47 | 0.16 | 77 | 155 | 0.24 | 371 | 163 | 0.42 | 689 | 107 | 0.47 | 503 | | | |
| 24 | 38 | 0.22 | 84 | 181 | 0.23 | 419 | 154 | 0.44 | 683 | 112 | 0.44 | 496 | | | |
| 25 | 72 | 0.18 | 128 | 171 | 0.27 | 469 | 152 | 0.44 | 676 | 107 | 0.46 | 490 | | | |
| 26 | 59 | 0.21 | 125 | 180 | 0.26 | 471 | 148 | 0.45 | 670 | 99 | 0.48 | 476 | | | |
| 27 | 46 | 0.27 | 126 | 180 | 0.27 | 486 | 175 | 0.39 | 689 | 94 | 0.47 | 441 | | | |
| 28 | 38 | 0.32 | 121 | 211 | 0.25 | 529 | 157 | 0.43 | 678 | 90 | 0.47 | 421 | | | |
| 29 | 35 | 0.35 | 121 | 199 | 0.27 | 537 | 151 | 0.44 | 657 | 83 | 0.48 | 398 | | | |
| 30 | 51 | 0.26 | 131 | 220 | 0.26 | 567 | | | | 75 | 0.48 | 361 | | | |
| 31 | 43 | 0.30 | 128 | 195 | 0.29 | 570 | | | | 70 | 0.47 | 332 | | | |
| 平均 | 38.6 | 0.21 | 83.6 | 101.4 | 0.30 | 281.0 | 162.9 | 0.39 | 634.1 | 119.6 | 0.45 | 531.3 | 46.4 | 0.44 | 204.9 |

十日町 Tōkamachi 1960~1961

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|------|-----------|------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 154 | 0.14 | 212 | 173 | 0.34 | 596 | 230 | 0.43 | 998 | 154 | 0.48 | 739 |
| 2 | | | | 147 | 0.15 | 227 | 195 | 0.33 | 648 | 225 | 0.44 | 989 | 144 | 0.48 | 693 |
| 3 | | | | 147 | 0.16 | 236 | 182 | 0.34 | 620 | 216 | 0.45 | 979 | 138 | 0.50 | 684 |
| 4 | | | | 130 | 0.19 | 248 | 216 | 0.31 | 668 | 213 | 0.45 | 969 | 129 | 0.49 | 630 |
| 5 | | | | 129 | 0.20 | 256 | 218 | 0.33 | 715 | 211 | 0.45 | 959 | 118 | 0.50 | 586 |
| 6 | | | | 127 | 0.22 | 281 | 200 | 0.34 | 689 | 208 | 0.46 | 949 | 109 | 0.46 | 502 |
| 7 | | | | 153 | 0.20 | 313 | 185 | 0.37 | 676 | 203 | 0.45 | 919 | 102 | 0.50 | 513 |
| 8 | 15 | 0.23 | 35 | 140 | 0.22 | 313 | 173 | 0.42 | 726 | 215 | 0.43 | 916 | 95 | 0.50 | 479 |
| 9 | 13 | 0.29 | 38 | 129 | 0.24 | 311 | 200 | 0.37 | 737 | 237 | 0.40 | 949 | 87 | 0.51 | 441 |
| 10 | 11 | 0.30 | 32 | 115 | 0.26 | 301 | 200 | 0.38 | 753 | 256 | 0.38 | 973 | 87 | 0.49 | 429 |
| 11 | 5 | 0.32 | 16 | 105 | 0.30 | 317 | 196 | 0.40 | 791 | 256 | 0.39 | 1,003 | 80 | 0.49 | 389 |
| 12 | — | — | — | 125 | 0.25 | 318 | 190 | 0.40 | 760 | 236 | 0.42 | 996 | 68 | 0.50 | 337 |
| 13 | — | — | — | 136 | 0.25 | 334 | 189 | 0.38 | 723 | 225 | 0.44 | 981 | 57 | 0.49 | 280 |
| 14 | — | — | — | 130 | 0.26 | 339 | 195 | 0.39 | 751 | 216 | 0.45 | 978 | 49 | 0.51 | 252 |
| 15 | — | — | — | 130 | 0.27 | 351 | 244 | 0.33 | 793 | 210 | 0.45 | 938 | 36 | 0.50 | 181 |
| 16 | — | — | — | 125 | 0.27 | 346 | 259 | 0.32 | 836 | 203 | 0.47 | 952 | 26 | 0.57 | 147 |
| 17 | — | — | — | 131 | 0.28 | 372 | 275 | 0.33 | 904 | 203 | 0.46 | 936 | 26 | 0.55 | 142 |
| 18 | — | — | — | 150 | 0.27 | 398 | 290 | 0.30 | 884 | 197 | 0.47 | 929 | 15 | 0.54 | 81 |
| 19 | 43 | 0.07 | 29 | 161 | 0.26 | 421 | 308 | 0.30 | 921 | 191 | 0.48 | 909 | 14 | 0.51 | 71 |
| 20 | 26 | 0.12 | 31 | 178 | 0.25 | 437 | 292 | 0.32 | 936 | 196 | 0.45 | 885 | | | |
| 21 | 21 | 0.13 | 27 | 159 | 0.29 | 464 | 273 | 0.34 | 933 | 191 | 0.47 | 896 | | | |
| 22 | 14 | 0.21 | 30 | 152 | 0.30 | 451 | 268 | 0.35 | 947 | 187 | 0.47 | 875 | | | |
| 23 | 12 | 0.25 | 30 | 210 | 0.25 | 517 | 252 | 0.38 | 947 | 185 | 0.47 | 868 | | | |
| 24 | 11 | 0.24 | 26 | 196 | 0.26 | 515 | 259 | 0.37 | 950 | 181 | 0.47 | 854 | | | |
| 25 | 10 | 0.25 | 25 | 176 | 0.29 | 518 | 242 | 0.39 | 940 | 176 | 0.47 | 821 | | | |
| 26 | 4 | 0.35 | 14 | 170 | 0.33 | 569 | 239 | 0.40 | 953 | 171 | 0.49 | 834 | | | |
| 27 | 24 | 0.09 | 22 | 174 | 0.36 | 621 | 245 | 0.40 | 984 | 172 | 0.47 | 813 | | | |
| 28 | 73 | 0.08 | 61 | 190 | 0.31 | 582 | 238 | 0.43 | 1,012 | 169 | 0.47 | 791 | | | |
| 29 | 106 | 0.11 | 112 | 191 | 0.31 | 594 | | | | 164 | 0.48 | 781 | | | |
| 30 | 160 | 0.11 | 180 | 175 | 0.35 | 612 | | | | 160 | 0.46 | 739 | | | |
| 31 | 144 | 0.13 | 194 | 164 | 0.36 | 597 | | | | 160 | 0.46 | 742 | | | |
| 平均 | 40.7 | 0.19 | 53.1 | 151.6 | 0.26 | 399.1 | 228.4 | 0.36 | 814.0 | 202.0 | 0.45 | 907.1 | 80.7 | 0.50 | 398.7 |

十日町 Tōkamachi 1961~1962

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-------|-----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 85 | 0.28 | 241 | 242 | 0.29 | 701 | 234 | 0.42 | 990 | 147 | 0.50 | 737 |
| 2 | | | | 83 | 0.29 | 239 | 242 | 0.30 | 714 | 225 | 0.45 | 1,008 | 140 | 0.52 | 721 |
| 3 | | | | 76 | 0.32 | 242 | 241 | 0.30 | 716 | 240 | 0.42 | 1,010 | 120 | 0.55 | 659 |
| 4 | | | | 72 | 0.33 | 240 | 221 | 0.33 | 726 | 228 | 0.44 | 1,001 | 115 | 0.52 | 597 |
| 5 | | | | 69 | 0.36 | 247 | 212 | 0.34 | 729 | 220 | 0.47 | 1,023 | 108 | 0.53 | 572 |
| 6 | | | | 97 | 0.28 | 274 | 212 | 0.35 | 744 | 215 | 0.46 | 995 | 100 | 0.52 | 519 |
| 7 | | | | 102 | 0.27 | 279 | 231 | 0.33 | 771 | 210 | 0.48 | 1,009 | 95 | 0.52 | 497 |
| 8 | | | | 90 | 0.32 | 285 | 254 | 0.32 | 816 | 219 | 0.45 | 993 | 79 | 0.51 | 402 |
| 9 | | | | 79 | 0.36 | 282 | 226 | 0.35 | 799 | 209 | 0.49 | 1,016 | 59 | 0.52 | 304 |
| 10 | | | | 74 | 0.37 | 275 | 214 | 0.38 | 805 | 202 | 0.48 | 973 | 51 | 0.51 | 262 |
| 11 | | | | 74 | 0.37 | 274 | 202 | 0.41 | 819 | 211 | 0.45 | 948 | 42 | 0.54 | 225 |
| 12 | | | | 73 | 0.38 | 279 | 182 | 0.45 | 816 | 199 | 0.48 | 954 | 38 | 0.53 | 200 |
| 13 | | | | 70 | 0.39 | 274 | 217 | 0.37 | 812 | 195 | 0.49 | 947 | 32 | 0.49 | 158 |
| 14 | | | | 88 | 0.34 | 297 | 236 | 0.35 | 826 | 195 | 0.48 | 929 | 16 | 0.49 | 79 |
| 15 | 26 | 0.14 | 36 | 120 | 0.27 | 322 | 234 | 0.36 | 852 | 191 | 0.48 | 925 | | | |

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|------|-----------|-------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | 16 | 0.23 | 37 | 136 | 0.25 | 341 | 252 | 0.34 | 845 | 188 | 0.49 | 923 | | | |
| 17 | 10 | 0.29 | 29 | 139 | 0.26 | 355 | 252 | 0.35 | 879 | 253 | 0.39 | 997 | | | |
| 18 | — | — | — | 135 | 0.27 | 361 | 230 | 0.38 | 882 | 239 | 0.42 | 997 | | | |
| 19 | — | — | — | 124 | 0.29 | 364 | 231 | 0.38 | 879 | 215 | 0.45 | 966 | | | |
| 20 | — | — | — | 119 | 0.31 | 372 | 235 | 0.38 | 890 | 202 | 0.47 | 947 | | | |
| 21 | — | — | — | 128 | 0.31 | 401 | 232 | 0.39 | 895 | 194 | 0.49 | 954 | | | |
| 22 | 40 | 0.12 | 49 | 156 | 0.29 | 445 | 263 | 0.37 | 969 | 187 | 0.49 | 913 | | | |
| 23 | 60 | 0.14 | 81 | 181 | 0.26 | 468 | 238 | 0.40 | 955 | 186 | 0.47 | 881 | | | |
| 24 | 53 | 0.20 | 105 | 180 | 0.28 | 501 | 236 | 0.41 | 958 | 190 | 0.49 | 922 | | | |
| 25 | 38 | 0.30 | 114 | 212 | 0.25 | 529 | 230 | 0.42 | 958 | 180 | 0.48 | 872 | | | |
| 26 | 56 | 0.26 | 146 | 223 | 0.26 | 584 | 225 | 0.42 | 955 | 175 | 0.50 | 881 | | | |
| 27 | 75 | 0.23 | 171 | 202 | 0.29 | 579 | 246 | 0.40 | 990 | 175 | 0.50 | 883 | | | |
| 28 | 93 | 0.22 | 203 | 209 | 0.28 | 594 | 257 | 0.38 | 984 | 166 | 0.49 | 808 | | | |
| 29 | 85 | 0.24 | 203 | 223 | 0.28 | 629 | | | | 159 | 0.51 | 809 | | | |
| 30 | 100 | 0.23 | 227 | 240 | 0.28 | 661 | | | | 158 | 0.50 | 795 | | | |
| 31 | 93 | 0.26 | 238 | 241 | 0.28 | 672 | | | | 154 | 0.50 | 777 | | | |
| 平均 | 57.0 | 0.22 | 126.1 | 132.3 | 0.30 | 384.1 | 231.9 | 0.37 | 845.9 | 200.5 | 0.47 | 937.0 | 81.6 | 0.52 | 423.7 |

十日町 Tōkamachi 1962~1963

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|------|-----------|------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 15 | 0.14 | 11 | 201 | 0.27 | 544 | 183 | 0.40 | 726 | 95 | 0.51 | 487 |
| 2 | | | | 9 | 0.12 | 11 | 195 | 0.28 | 550 | 181 | 0.43 | 771 | 83 | 0.50 | 411 |
| 3 | | | | 13 | 0.13 | 17 | 186 | 0.30 | 549 | 177 | 0.43 | 769 | 80 | 0.53 | 421 |
| 4 | | | | 41 | 0.12 | 49 | 176 | 0.31 | 552 | 199 | 0.39 | 773 | 75 | 0.51 | 383 |
| 5 | | | | 42 | 0.15 | 61 | 179 | 0.31 | 554 | 199 | 0.40 | 788 | 70 | 0.49 | 343 |
| 6 | | | | 38 | 0.16 | 62 | 176 | 0.32 | 559 | 189 | 0.41 | 779 | 65 | 0.48 | 315 |
| 7 | | | | 37 | 0.18 | 67 | 199 | 0.29 | 583 | 192 | 0.41 | 785 | 52 | 0.53 | 277 |
| 8 | | | | 42 | 0.22 | 91 | 190 | 0.31 | 588 | 194 | 0.41 | 799 | 51 | 0.50 | 253 |
| 9 | | | | 76 | 0.18 | 137 | 186 | 0.32 | 592 | 190 | 0.42 | 791 | 41 | 0.50 | 206 |
| 10 | | | | 78 | 0.19 | 151 | 208 | 0.30 | 622 | 184 | 0.44 | 805 | 44 | 0.48 | 211 |
| 11 | | | | 68 | 0.22 | 148 | 187 | 0.33 | 617 | 183 | 0.43 | 793 | 39 | 0.50 | 196 |
| 12 | 20 | 0.07 | 14 | 77 | 0.20 | 155 | 196 | 0.32 | 627 | 177 | 0.44 | 783 | 31 | 0.51 | 157 |
| 13 | 19 | 0.12 | 24 | 80 | 0.20 | 162 | 190 | 0.33 | 633 | 176 | 0.44 | 781 | 22 | 0.50 | 109 |
| 14 | 11 | 0.16 | 18 | 90 | 0.21 | 185 | 200 | 0.33 | 651 | 174 | 0.44 | 764 | 12 | 0.45 | 54 |
| 15 | 3 | 0.33 | 10 | 81 | 0.23 | 183 | 193 | 0.34 | 654 | 170 | 0.44 | 745 | | | |
| 16 | — | — | — | 86 | 0.22 | 191 | 188 | 0.35 | 667 | 166 | 0.44 | 725 | | | |
| 17 | — | — | — | 159 | 0.16 | 260 | 183 | 0.36 | 658 | 163 | 0.47 | 763 | | | |
| 18 | — | — | — | 159 | 0.18 | 294 | 195 | 0.34 | 660 | 158 | 0.45 | 714 | | | |
| 19 | — | — | — | 165 | 0.19 | 319 | 200 | 0.34 | 677 | 154 | 0.44 | 685 | | | |
| 20 | — | — | — | 167 | 0.21 | 345 | 200 | 0.35 | 693 | 148 | 0.46 | 677 | | | |
| 21 | — | — | — | 158 | 0.23 | 356 | 197 | 0.36 | 700 | 143 | 0.45 | 647 | | | |
| 22 | 7 | 0.21 | 15 | 189 | 0.21 | 393 | 185 | 0.39 | 719 | 134 | 0.46 | 611 | | | |
| 23 | 2 | 0.35 | 7 | 164 | 0.24 | 391 | 178 | 0.41 | 721 | 130 | 0.46 | 599 | | | |
| 24 | — | — | — | 165 | 0.24 | 401 | 177 | 0.39 | 698 | 125 | 0.45 | 561 | | | |
| 25 | 10 | 0.17 | 17 | 186 | 0.24 | 438 | 186 | 0.38 | 715 | 128 | 0.48 | 612 | | | |
| 26 | — | — | — | 191 | 0.24 | 457 | 179 | 0.41 | 729 | 123 | 0.48 | 589 | | | |
| 27 | — | — | — | 206 | 0.23 | 479 | 186 | 0.39 | 718 | 118 | 0.48 | 571 | | | |
| 28 | — | — | — | 192 | 0.25 | 482 | 190 | 0.38 | 725 | 113 | 0.49 | 553 | | | |
| 29 | — | — | — | 192 | 0.26 | 493 | | | | 102 | 0.52 | 534 | | | |
| 30 | — | — | — | 212 | 0.25 | 523 | | | | 110 | 0.47 | 512 | | | |
| 31 | — | — | — | 217 | 0.25 | 547 | | | | 101 | 0.48 | 487 | | | |
| 平均 | 10.3 | 0.20 | 15.0 | 116.0 | 0.20 | 253.5 | 189.5 | 0.34 | 641.3 | 157.5 | 0.45 | 693.3 | 54.3 | 0.50 | 273.1 |

十日町 Tōkamachi 1963~1964

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|------|-----------|------|------|-----------|------|------|-----------|-------|------|-----------|-------|------|-----------|-------|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 23 | 0.26 | 59 | 29 | 0.36 | 105 | 95 | 0.37 | 351 | 39 | 0.44 | 173 |
| 2 | | | | 19 | 0.30 | 57 | 40 | 0.28 | 113 | 88 | 0.40 | 352 | 27 | 0.44 | 120 |
| 3 | | | | 15 | 0.35 | 52 | 51 | 0.26 | 133 | 87 | 0.39 | 343 | 12 | 0.48 | 57 |
| 4 | | | | 23 | 0.23 | 54 | 62 | 0.23 | 144 | 82 | 0.40 | 326 | | | |
| 5 | | | | 24 | 0.23 | 54 | 75 | 0.22 | 165 | 77 | 0.42 | 321 | | | |
| 6 | | | | 21 | 0.25 | 53 | 83 | 0.21 | 174 | 73 | 0.41 | 302 | | | |
| 7 | | | | 16 | 0.36 | 58 | 76 | 0.24 | 183 | 71 | 0.42 | 296 | | | |
| 8 | | | | 18 | 0.29 | 52 | 61 | 0.30 | 183 | 78 | 0.38 | 300 | | | |
| 9 | | | | 17 | 0.31 | 52 | 54 | 0.34 | 182 | 96 | 0.34 | 324 | | | |
| 10 | | | | 17 | 0.33 | 56 | 52 | 0.38 | 200 | 91 | 0.37 | 337 | | | |
| 11 | | | | 18 | 0.33 | 59 | 48 | 0.39 | 189 | 83 | 0.40 | 331 | | | |
| 12 | | | | 16 | 0.33 | 53 | 54 | 0.35 | 189 | 87 | 0.39 | 337 | | | |
| 13 | | | | 12 | 0.35 | 42 | 103 | 0.22 | 226 | 86 | 0.39 | 334 | | | |
| 14 | | | | 4 | 0.43 | 17 | 120 | 0.21 | 251 | 79 | 0.41 | 326 | | | |
| 15 | | | | 5 | 0.30 | 15 | 129 | 0.22 | 283 | 79 | 0.40 | 317 | | | |
| 16 | | | | 8 | 0.18 | 14 | 115 | 0.24 | 280 | 74 | 0.43 | 317 | | | |
| 17 | | | | — | — | — | 103 | 0.28 | 291 | 71 | 0.41 | 292 | | | |
| 18 | | | | — | — | — | 117 | 0.25 | 297 | 86 | 0.34 | 295 | | | |
| 19 | 35 | 0.08 | 28 | — | — | — | 98 | 0.30 | 290 | 95 | 0.33 | 310 | | | |
| 20 | 46 | 0.10 | 46 | 16 | 0.13 | 20 | 90 | 0.32 | 290 | 77 | 0.41 | 317 | | | |
| 21 | 33 | 0.13 | 43 | 43 | 0.10 | 45 | 85 | 0.34 | 293 | 75 | 0.41 | 304 | | | |
| 22 | 25 | 0.21 | 53 | 47 | 0.12 | 57 | 83 | 0.35 | 287 | 77 | 0.40 | 309 | | | |
| 23 | 17 | 0.29 | 49 | 31 | 0.19 | 59 | 95 | 0.32 | 306 | 79 | 0.38 | 302 | | | |
| 24 | 13 | 0.32 | 42 | 32 | 0.22 | 71 | 90 | 0.33 | 295 | 82 | 0.39 | 319 | | | |
| 25 | 11 | 0.34 | 37 | 24 | 0.30 | 72 | 101 | 0.31 | 312 | 78 | 0.40 | 314 | | | |
| 26 | 7 | 0.31 | 22 | 36 | 0.24 | 86 | 99 | 0.32 | 321 | 78 | 0.41 | 316 | | | |
| 27 | 15 | 0.15 | 23 | 54 | 0.20 | 110 | 86 | 0.37 | 319 | 71 | 0.42 | 299 | | | |
| 28 | 51 | 0.12 | 63 | 45 | 0.25 | 113 | 94 | 0.35 | 326 | 70 | 0.42 | 297 | | | |
| 29 | 41 | 0.16 | 65 | 46 | 0.25 | 113 | 108 | 0.33 | 355 | 64 | 0.43 | 273 | | | |
| 30 | 29 | 0.23 | 67 | 35 | 0.33 | 114 | | | | 55 | 0.42 | 233 | | | |
| 31 | 25 | 0.24 | 60 | 30 | 0.35 | 104 | | | | 49 | 0.43 | 213 | | | |
| 平均 | 26.8 | 0.21 | 46.0 | 24.8 | 0.27 | 61.1 | 82.8 | 0.30 | 240.8 | 78.5 | 0.40 | 309.9 | 26.0 | 0.45 | 116.7 |

十日町 Tōkamachi 1964~1965

| 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|----|-----------|----|----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | 6 | 0.33 | 20 | 76 | 0.35 | 267 | 172 | 0.33 | 573 | 130 | 0.44 | 575 |
| 2 | 15 | 0.12 | 18 | 4 | 0.40 | 16 | 98 | 0.29 | 282 | 157 | 0.37 | 575 | 130 | 0.44 | 568 |
| 3 | 29 | 0.18 | 51 | 26 | 0.12 | 30 | 113 | 0.28 | 317 | 141 | 0.40 | 561 | 139 | 0.41 | 576 |
| 4 | 22 | 0.30 | 66 | 20 | 0.16 | 32 | 114 | 0.28 | 320 | 144 | 0.38 | 546 | 132 | 0.43 | 572 |
| 5 | 19 | 0.29 | 55 | 47 | 0.13 | 63 | 121 | 0.28 | 339 | 152 | 0.38 | 584 | 144 | 0.41 | 586 |
| 6 | 18 | 0.30 | 54 | 33 | 0.19 | 61 | 132 | 0.27 | 351 | 158 | 0.37 | 578 | 134 | 0.43 | 579 |
| 7 | 14 | 0.34 | 48 | 32 | 0.19 | 62 | 151 | 0.26 | 392 | 180 | 0.33 | 586 | 123 | 0.44 | 543 |
| 8 | 15 | 0.35 | 52 | 26 | 0.23 | 61 | 130 | 0.32 | 411 | 158 | 0.38 | 600 | 115 | 0.45 | 514 |
| 9 | 10 | 0.36 | 36 | 23 | 0.32 | 73 | 115 | 0.35 | 399 | 149 | 0.41 | 617 | 115 | 0.46 | 531 |
| 10 | 21 | 0.24 | 50 | 38 | 0.22 | 82 | 97 | 0.42 | 404 | 157 | 0.39 | 608 | 107 | 0.46 | 489 |
| 11 | 19 | 0.29 | 55 | 38 | 0.25 | 94 | 100 | 0.40 | 399 | 189 | 0.33 | 627 | 115 | 0.43 | 498 |
| 12 | 49 | 0.18 | 88 | 34 | 0.27 | 91 | 107 | 0.37 | 394 | 160 | 0.39 | 625 | 112 | 0.44 | 495 |
| 13 | 45 | 0.20 | 89 | 38 | 0.26 | 97 | 119 | 0.35 | 413 | 154 | 0.41 | 637 | 104 | 0.45 | 464 |
| 14 | 36 | 0.24 | 87 | 43 | 0.26 | 111 | 105 | 0.39 | 412 | 167 | 0.40 | 663 | 93 | 0.47 | 434 |
| 15 | 27 | 0.33 | 88 | 52 | 0.26 | 135 | 106 | 0.38 | 405 | 161 | 0.41 | 656 | 93 | 0.47 | 433 |

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|------|-----------|------|------|-----------|-------|-------|-----------|-------|-------|-----------|-------|------|-----------|-------|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | | 28 | 0.31 | 88 | 51 | 0.27 | 137 | 119 | 0.35 | 418 | 147 | 0.43 | 625 | 84 | 0.46 | 388 |
| 17 | | 25 | 0.34 | 84 | 82 | 0.21 | 171 | 124 | 0.34 | 425 | 139 | 0.44 | 606 | 70 | 0.47 | 331 |
| 18 | | 24 | 0.38 | 91 | 71 | 0.24 | 172 | 126 | 0.35 | 439 | 137 | 0.44 | 604 | 66 | 0.46 | 301 |
| 19 | | 32 | 0.31 | 98 | 65 | 0.26 | 170 | 114 | 0.39 | 441 | 131 | 0.43 | 561 | 55 | 0.49 | 268 |
| 20 | | 39 | 0.29 | 115 | 52 | 0.34 | 178 | 109 | 0.41 | 444 | 133 | 0.44 | 581 | 41 | 0.51 | 208 |
| 21 | | 31 | 0.34 | 105 | 53 | 0.34 | 178 | 97 | 0.42 | 410 | 143 | 0.41 | 585 | 39 | 0.47 | 183 |
| 22 | | 28 | 0.34 | 96 | 54 | 0.33 | 179 | 106 | 0.39 | 414 | 153 | 0.39 | 593 | 40 | 0.47 | 188 |
| 23 | | 26 | 0.34 | 88 | 51 | 0.34 | 174 | 111 | 0.38 | 422 | 141 | 0.42 | 599 | 27 | 0.49 | 131 |
| 24 | | 23 | 0.36 | 84 | 70 | 0.28 | 194 | 136 | 0.33 | 447 | 132 | 0.44 | 580 | 13 | 0.52 | 68 |
| 25 | | 19 | 0.37 | 70 | 83 | 0.25 | 207 | 145 | 0.33 | 473 | 127 | 0.45 | 566 | | | |
| 26 | | 17 | 0.37 | 63 | 81 | 0.27 | 222 | 144 | 0.33 | 476 | 146 | 0.39 | 567 | | | |
| 27 | | 15 | 0.34 | 51 | 75 | 0.29 | 221 | 179 | 0.29 | 527 | 159 | 0.37 | 596 | | | |
| 28 | | 13 | 0.36 | 47 | 84 | 0.29 | 245 | 155 | 0.35 | 544 | 162 | 0.38 | 611 | | | |
| 29 | | 11 | 0.37 | 41 | 73 | 0.34 | 249 | | | | 159 | 0.39 | 620 | | | |
| 30 | | 10 | 0.35 | 35 | 78 | 0.33 | 257 | | | | 146 | 0.42 | 614 | | | |
| 31 | | 8 | 0.33 | 26 | 79 | 0.34 | 265 | | | | 138 | 0.44 | 606 | | | |
| 平均 | | 22.9 | 0.31 | 67.3 | 50.4 | 0.27 | 137.0 | 119.6 | 0.34 | 406.6 | 151.4 | 0.40 | 598.4 | 92.5 | 0.46 | 413.5 |

釜淵 Kamabuchi 1951~1952

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | | 170 | 0.29 | 500 | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | 135 | 0.27 | 363 | | | | | | |
| 6 | | | | | | | | | | | 165 | 0.32 | 532 | 70 | 0.47 | 327 |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | 130 | 0.33 | 426 | | | | 35 | 0.56 | 197 |
| 11 | | | | | 76 | 0.18 | 123 | | | | 154 | 0.37 | 562 | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | 80 | 0.19 | 151 | 137 | 0.32 | 431 | | | | | | |
| 16 | | | | | | | | | | | 134 | 0.42 | 556 | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | 140 | 0.30 | 426 | | | | | | |
| 20 | | | | | 130 | 0.19 | 246 | | | | | | | | | |
| 21 | | | | | | | | | | | 120 | 0.43 | 519 | | | |
| 22 | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | |
| 25 | | | | | 130 | 0.23 | 296 | 160 | 0.30 | 478 | | | | | | |
| 26 | | | | | | | | | | | 105 | 0.43 | 449 | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | 116 | 0.28 | 321 | | | | | | | | | |
| 31 | | | | | | | | | | | 85 | 0.42 | 356 | | | |

釜淵 Kamabuchi 1952~1953

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | 140 | 0.40 | 557 | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | 90 | 0.26 | 232 | 185 | 0.28 | 513 | | | | 60 | 0.44 | 264 |
| 6 | | | | | | | | | | | 135 | 0.43 | 577 | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | 103 | 0.28 | 289 | 185 | 0.31 | 557 | | | | 27 | 0.50 | 135 |
| 11 | | | | | | | | | | | 120 | 0.45 | 542 | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | 160 | 0.35 | 560 | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | 158 | 0.27 | 422 | | | | 112 | 0.44 | 489 | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | 133 | 0.30 | 392 | 183 | 0.32 | 592 | 102 | 0.44 | 445 | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | 150 | 0.27 | 405 | 170 | 0.34 | 577 | | | | | | |
| 25 | | | | | | | | | | | | | | | | |
| 26 | | 60 | 0.17 | 103 | | | | | | | 78 | 0.46 | 362 | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | 170 | 0.28 | 475 | | | | | | | | | |
| 31 | | | | | | | | | | | 72 | 0.46 | 334 | | | |

釜淵 Kamabuchi 1953~1954

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|----|-----------|----|----|-----------|----|----|-----------|-----|----|-----------|----|----|-----------|----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | | 24 | 0.36 | 86 | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | 25 | 0.22 | 53 | 52 | 0.24 | 127 | | | | | | |
| 6 | | | | | | | | | | | 25 | 0.30 | 74 | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | 24 | 0.26 | 62 | 53 | 0.26 | 137 | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | 26 | 0.35 | 90 | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | 32 | 0.36 | 115 | | | | | | |

釜淵 Kamabuchi 1955~1956

| 日 | 月 項目 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---------|----|-----------|----|----|-----------|-----|-----|-----------|-----|------|-----------|----|------|-----------|----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | 121 | 0.36 | 430 | | | | |
| 2 | | | | | | | | | | | | | 72 | 0.43 | 311 | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | 23 | 0.24 | 57 | 102 | 0.26 | 267 | | | 58 | 0.44 | 254 | |
| 6 | | | | | | | | | | 112 | 0.38 | 430 | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | 130 | 0.25 | 318 | | | | | | |
| 10 | | | | | 25 | 0.25 | 62 | | | 151 | 0.32 | 482 | 49 | 0.42 | 206 | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | 129 | 0.28 | 357 | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | 81 | 0.19 | 150 | | | 127 | 0.39 | 494 | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | 121 | 0.32 | 386 | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | 66 | 0.26 | 175 | | | | | | | | | |
| 22 | | | | | | | | | | 104 | 0.43 | 442 | | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | 117 | 0.34 | 400 | | | | | | |
| 25 | | | | | 69 | 0.26 | 179 | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | 89 | 0.43 | 380 | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | 90 | 0.26 | 234 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |

釜淵 Kamabuchi 1956~1957

| 日 | 月 項目 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---------|----|-----------|----|-----|-----------|-----|-----|-----------|-----|------|-----------|-----|------|-----------|----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | 163 | 0.29 | 492 | 148 | 0.39 | 581 | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | 86 | 0.27 | 232 | 118 | 0.32 | 378 | | | 147 | 0.41 | 605 | |
| 6 | | 17 | 0.28 | 47 | | | | | | 150 | 0.34 | 508 | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | 108 | 0.37 | 401 | | | | | | |
| 10 | | | | | 103 | 0.28 | 285 | | | | | | 114 | 0.45 | 512 | |
| 11 | | 37 | 0.21 | 77 | | | | | | 151 | 0.36 | 548 | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | 104 | 0.29 | 297 | 122 | 0.35 | 427 | | | | | | |
| 15 | | | | | | | | | | | | | 86 | 0.47 | 400 | |

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | 50 | 0.22 | 107 | | | | | | | 162 | 0.36 | 573 | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | 138 | 0.33 | 452 | | | | | | |
| 20 | | | | | | | | | | | | | | 47 | 0.49 | 223 |
| 21 | | 82 | 0.18 | 146 | 120 | 0.27 | 330 | | | | | | | | | |
| 22 | | | | | | | | | | | 160 | 0.36 | 581 | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | |
| 25 | | | | | 122 | 0.29 | 358 | 166 | 0.29 | 483 | | | | | | |
| 26 | | 115 | 0.19 | 213 | | | | | | | 152 | 0.39 | 586 | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | 94 | 0.37 | 347 | | | | | | | | | |
| 31 | | 93 | 0.24 | 223 | | | | | | | | | | | | |

釜淵 Kamabuchi 1957~1958

| 日 | 月 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|----|---|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|-----|
| | | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | 106 | 0.29 | 308 | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | 143 | 0.38 | 555 | 26 | 0.43 | 112 |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | 136 | 0.31 | 412 | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | 118 | 0.39 | 446 | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | | | | | 110 | 0.25 | 275 | | | | | | | | | |
| 28 | | | | | | | | 123 | 0.36 | 444 | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | 93 | 0.38 | 357 | | | |

釜淵 Kamabuchi 1961~1962

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | 155 | 0.36 | 555 | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | 67 | 0.28 | 185 | 122 | 0.31 | 382 | | | | 120 | 0.39 | 469 |
| 6 | | | | | | | | | | 150 | 0.35 | 527 | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | 62 | 0.33 | 205 | 117 | 0.36 | 415 | | | | 83 | 0.45 | 387 |
| 11 | | | | | | | | | | 142 | 0.40 | 562 | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | |
| 15 | | | | | | | 130 | 0.32 | 419 | 128 | 0.41 | 525 | | | |
| 16 | | | | 89 | 0.28 | 245 | | | | | | | 43 | 0.41 | 178 |
| 17 | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | |
| 20 | | | | 78 | 0.34 | 265 | 164 | 0.29 | 475 | | | | 16 | 0.48 | 77 |
| 21 | | | | | | | | | | 152 | 0.39 | 597 | | | |
| 22 | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | |
| 24 | | | | | | | 157 | 0.34 | 530 | | | | | | |
| 25 | 46 | 0.20 | 92 | 125 | 0.26 | 325 | | | | | | | | | |
| 26 | | | | | | | | | | 136 | 0.43 | 589 | | | |
| 27 | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | |
| 30 | | | | 146 | 0.25 | 362 | | | | 128 | 0.43 | 550 | | | |
| 31 | | | | | | | | | | | | | | | |

釜淵 Kamabuchi 1962~1963

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | 221 | 0.33 | 724 | 124 | 0.43 | 537 |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | 76 | 0.16 | 123 | 170 | 0.30 | 500 | 219 | 0.35 | 777 | 95 | 0.49 | 465 |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | 188 | 0.28 | 521 | | | | | | |
| 10 | | | | 75 | 0.24 | 180 | | | | | | | 79 | 0.48 | 377 |
| 11 | | | | | | | | | | 210 | 0.37 | 787 | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | 103 | 0.23 | 241 | | | | | | | | | |
| 15 | | | | | | | 170 | 0.32 | 548 | | | | 55 | 0.49 | 267 |

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|----|-----------|----|-----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 16 | | | | | | | | | | 190 | 0.42 | 796 | | | |
| 17 | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | |
| 19 | | | | 140 | 0.23 | 318 | | | | | | | | | |
| 20 | | | | | | | 200 | 0.32 | 604 | 170 | 0.45 | 764 | | | |
| 21 | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | |
| 25 | | | | 198 | 0.22 | 438 | 210 | 0.32 | 663 | | | | | | |
| 26 | | | | | | | | | | 146 | 0.47 | 683 | | | |
| 27 | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | |
| 30 | | | | 191 | 0.25 | 480 | | | | 128 | 0.49 | 624 | | | |
| 31 | | | | | | | | | | | | | | | |

釜淵 Kamabuchi 1963~1964

| 月 日 | 12 | | | 1 | | | 2 | | | 3 | | | 4 | | |
|--------|----|-----------|----|----|-----------|-----|-----|-----------|-----|-----|-----------|-----|----|-----------|----|
| | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW | HS | \bar{G} | HW |
| 1 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | 128 | 0.19 | 243 | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | 30 | 0.30 | 91 | | | | 101 | 0.37 | 378 | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | 106 | 0.24 | 255 | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | 38 | 0.25 | 95 | | | | | | | | | |
| 11 | | | | | | | | | | 86 | 0.39 | 340 | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | | | | 127 | 0.28 | 352 | | | | | | |
| 15 | | | | | | | | | | | | | | | |
| 16 | | | | 30 | 0.29 | 88 | | | | 99 | 0.35 | 347 | | | |
| 17 | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | |
| 19 | | | | | | | 130 | 0.30 | 388 | | | | | | |
| 20 | | | | 70 | 0.21 | 149 | | | | | | | | | |
| 21 | | | | | | | | | | 94 | 0.42 | 397 | | | |
| 22 | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | |
| 24 | | | | | | | 138 | 0.28 | 385 | | | | | | |
| 25 | | | | 64 | 0.24 | 151 | | | | | | | | | |
| 26 | | | | | | | | | | 93 | 0.42 | 390 | | | |
| 27 | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | |
| 29 | | | | | | | 127 | 0.32 | 405 | | | | | | |
| 30 | | | | 74 | 0.24 | 180 | | | | | | | | | |
| 31 | | | | | | | | | | 73 | 0.42 | 303 | | | |

