

地下水位
地盤沈下

観測記録 XI

（ 昭和 63 年
札幌市北部～石狩地区 ）

北海道立地下資源調査所

平成元年 3 月（1989）

地下水位
地盤沈下 観測記録 XI

(昭和 63 年)
(札幌市北部～石狩地区)

調 査 員

丸 谷 薫

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北海道立地下資源調査所

平成元年 3 月 (1989)

地下水位
地盤沈下 観測記録既刊

| | | | | |
|------|-------------|--------------|------|-------------|
| I | 昭和46年～昭和50年 | 地下水位 地盤沈下 | 観測記録 | 昭和51年12月発行 |
| II | 昭和51年～昭和52年 | 〃 | 〃 | 昭和53年 9 月発行 |
| III | 昭和53年～昭和54年 | 〃 | 〃 | 昭和55年 3 月発行 |
| IV | 昭和55年 | 〃 | 〃 | 昭和56年 3 月発行 |
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| VI | 昭和57年 | 〃 | 〃 | 昭和58年 3 月発行 |
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| IX | 昭和61年 | 〃 | 〃 | 昭和62年 3 月発行 |
| X | 昭和62年 | 〃 | 〃 | 昭和63年 3 月発行 |

正誤表

「観測記録 (X I)」

P 28 山口観測所 B沈下

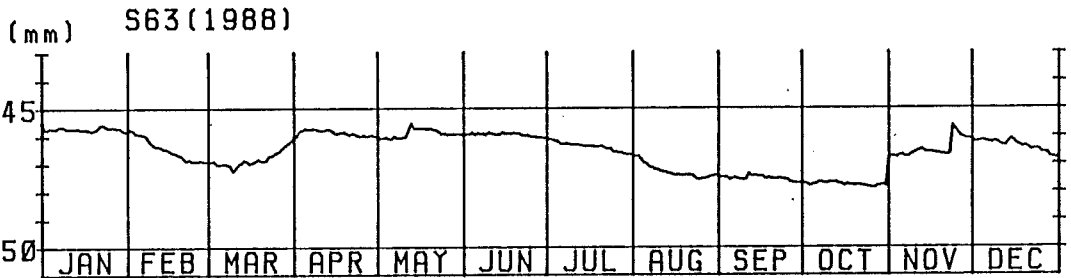
誤

正

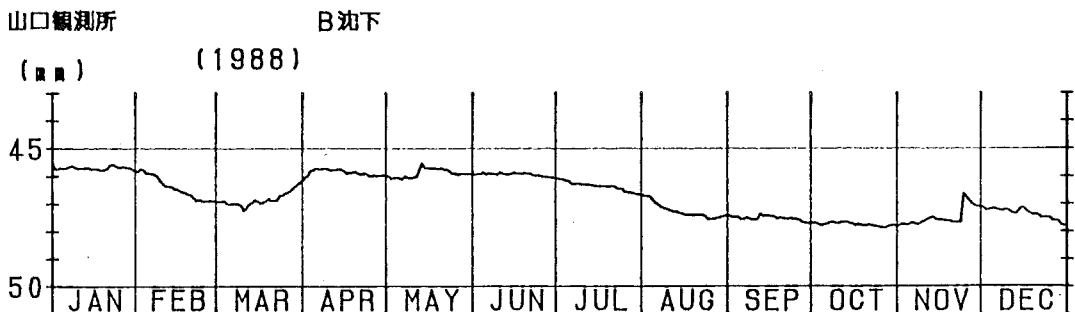
| 日 | 1 1 月 | 1 2 月 | 1 1 月 | 1 2 月 |
|----|-------|-------|-------|-------|
| 1 | 46.77 | 46.12 | 47.77 | 47.12 |
| 2 | 46.71 | 46.21 | 47.71 | 47.21 |
| 3 | 46.73 | 46.19 | 47.73 | 47.19 |
| 4 | 46.75 | 46.18 | 47.75 | 47.18 |
| 5 | 46.70 | 46.16 | 47.70 | 47.16 |
| 6 | 46.67 | 46.20 | 47.67 | 47.20 |
| 7 | 46.73 | 46.22 | 47.73 | 47.22 |
| 8 | 46.73 | 46.23 | 47.73 | 47.23 |
| 9 | 46.66 | 46.19 | 47.66 | 47.19 |
| 10 | 46.61 | 46.22 | 47.61 | 47.22 |
| 11 | 46.56 | 46.29 | 47.56 | 47.29 |
| 12 | 46.51 | 46.34 | 47.51 | 47.34 |
| 13 | 46.48 | 46.34 | 47.48 | 47.34 |
| 14 | 46.55 | 46.19 | 47.55 | 47.19 |
| 15 | 46.57 | 46.12 | 47.57 | 47.12 |
| 16 | 46.58 | 46.17 | 47.58 | 47.17 |
| 17 | 46.60 | 46.30 | 47.60 | 47.30 |
| 18 | 46.61 | 46.33 | 47.61 | 47.33 |
| 19 | 46.62 | 46.39 | 47.62 | 47.39 |
| 20 | 46.65 | 46.35 | 47.65 | 47.35 |
| 21 | 46.66 | 46.41 | 47.66 | 47.41 |
| 22 | 46.68 | 46.49 | 47.68 | 47.49 |
| 23 | 46.63 | 46.48 | 47.63 | 47.48 |
| 24 | 46.63 | 46.48 | 46.63 | 47.48 |
| 25 | 45.73 | 46.50 | 46.73 | 47.50 |
| 26 | 45.87 | 46.59 | 46.87 | 47.59 |
| 27 | 45.99 | 46.59 | 46.99 | 47.59 |
| 28 | 46.06 | 46.62 | 47.06 | 47.62 |
| 29 | 46.10 | 46.76 | 47.10 | 47.76 |
| 30 | 46.10 | 46.78 | 47.10 | 47.78 |
| 31 | | 46.79 | | 47.79 |
| 月差 | -1.70 | 0.69 | -0.70 | 0.69 |

P 42 山口観測所 B沈下

誤



正



は し が き

地下水は貴重な水資源であり、社会の発展とともにその利用度は高まってきている。しかし、地下水も有限であり、過大な地下水揚水は地下水位の低下を招き、その結果、地盤沈下や地下水質の劣化などの障害が発生する危険性をはらんでいる。

地盤沈下はその進行が遅く、各種の障害が発生したり、人間の視覚にとらえられるようになった段階では、沈下現象は相当進行した状況ということがいえる。従って地盤沈下を未然に防止するには、早い時期からの地盤沈下対策が重要となる。

地下資源調査所では、昭和45年、石狩平野地域の地盤沈下に関する研究を開始したが、以来、札幌市、北海道などの行政機関でも取りあげられ、現在、各機関の緊密な連携のもとで、石狩平野地域の地盤沈下防止に取り組んでいる。

この「観測記録」は、昭和51年12月刊行の「観測記録」より引き続くもので、昭和63年について取りまとめたものである。

本資料の多方面での活用を期待する次第である。

平成元年3月

北海道立地下資源調査所

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| 樽川観測所 A水位 | 22 |
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| " A沈下 | 23 |
| 分部越観測所 A水位 | 24 |
| 石狩No.1観測所 | 25 |
| 山口観測所 A水位 | 26 |
| " B水位 | 26 |
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| " A沈下 | 28 |
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| 研究庁舎観測所 | 29 |
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| " B沈下 | 31 |
| 石狩工水No.2観測所 | 32 |

観測井水位・沈下量変化図

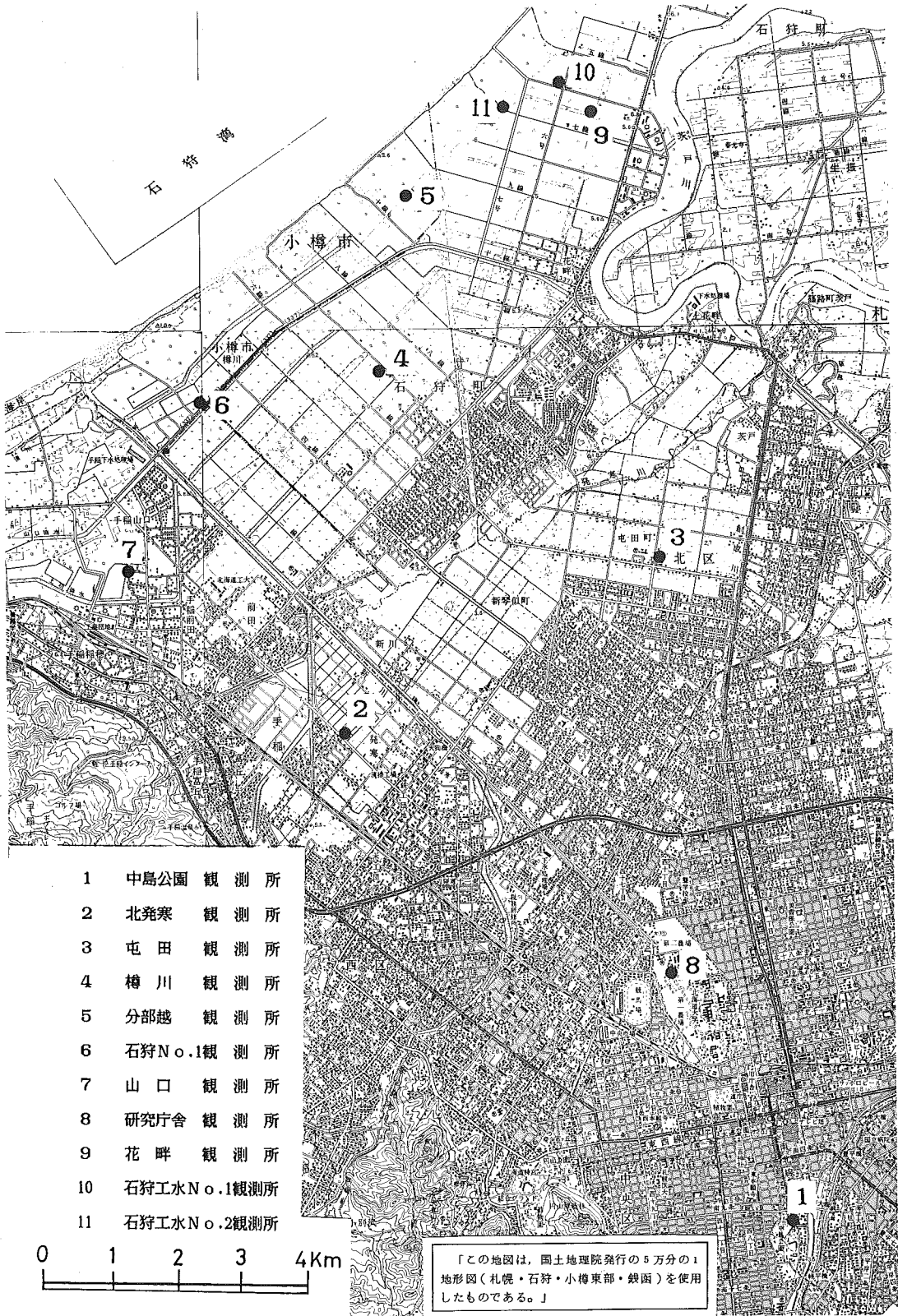
| | | |
|-------------|-------|----------|
| 中島公園観測所 | | 35 |
| 北発寒観測所 | A水位 | 36 |
| " | B水位 | 36 |
| " | A沈下 | 37 |
| 屯田観測所 | A水位 | 38 |
| " | B水位 | 38 |
| " | A沈下 | 38 |
| 樽川観測所 | A水位 | 39 |
| " | B水位 | 39 |
| " | A沈下 | 39 |
| 分部越観測所 | A水位 | 40 |
| 石狩No.1観測所 | | 40 |
| 山口観測所 | A水位 | 41 |
| " | B水位 | 41 |
| " | C水位 | 41 |
| " | A沈下 | 42 |
| " | B沈下 | 42 |
| 研究庁舎観測所 | | 42 |
| 花畔観測所 | A水位 | 43 |
| " | B水位 | 43 |
| " | A沈下 | 44 |
| " | B沈下 | 44 |
| 石狩工水No.2観測所 | | 44 |

観測井水位経年変化図

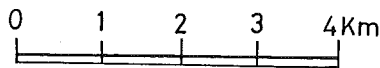
| | | |
|--|-------|----|
| A (中島公園・北発寒B・分部越B・山口C・花畔B・石狩工水No.2) | | 47 |
| B (屯田A・樽川A・山口A・研究庁舎・花畔A) | | 49 |
| C (北発寒A・屯田B・樽川B・分部越A・石狩No.1・石狩No.2・ 山口B・石狩工水No.1) | | 51 |

観測井地盤沈下経年変化図

| | | |
|--------------------------------|-------|----|
| (北発寒A・屯田A・樽川A・山口A・山口B・花畔A・花畔B) | | 53 |
|--------------------------------|-------|----|



- 1 中島公園 観測所
- 2 北発寒 観測所
- 3 屯田 観測所
- 4 樽川 観測所
- 5 分部越 観測所
- 6 石狩No.1観測所
- 7 山口 観測所
- 8 研究庁舎 観測所
- 9 花畔 観測所
- 10 石狩工水No.1観測所
- 11 石狩工水No.2観測所



「この地図は、国土地理院発行の5万分の1地形図（札幌・石狩・小樽東部・銀函）を使用したものである。」

観 測 井

| | 中島公園 観測所 | 北発寒観測所 | | 屯田観測所 | | 樽川観測所 | |
|---------------------|----------------|--------------------------------|--|-------------------------------------|---------|--------------------------------------|-----------|
| | | A | B | A | B | A | B |
| 所在地 | 札幌市中央区南11条西3丁目 | 札幌市西区 発寒1145 | | 札幌市北区 屯田637番地 | | 石狩町 新港西1丁目 | |
| 緯度 | N 43°02'35" | N 43°06'43" | | N 43°08'07" | | N 43°09'30" | |
| 経度 | E141°21'35" | E 141°16'42" | | E 141°20'07" | | E 141°17'22" | |
| 所属 | 北海道立地 | | | | | | |
| 観測開始年月日及び月平均水位標高(m) | S37.12.5 | S46.1.1 | S52.4.20 | S 47. 9. 1 | | S 50. 1. 1 | |
| | 20.39 | 1.917 | 4.362 | -0.610 | 0.946 | -0.372 | 0.109 |
| 観測目的 | 不圧地下水 | 被圧地下水 地盤沈下 | 不圧地下水 | 被圧地下水 地盤沈下 | 被圧地下水 | 被圧地下水 地盤沈下 | 被圧地下水 |
| 口径(mm) | 150 | 150 | 40 | 200 | 100 | 100 | 100 |
| 深度(m)※ | 30.2 | 130 | 6 | 82.5 | 130 | 87 | 200 |
| ストレーナー深度(m)※ | 17.2-30.2 | 105-110.5 | 5.6-5.9 | 65.5-71 | 111-123 | 59.5-81.5 | 137.5-154 |
| 形式 | | チューピング 式(単管) | | チューピング スライド式 (二重管) | | チューピング 式(単管) | |
| 地盤標高 | | 4.6212 (精密測量水準点地-1 S48.10.1測量) | | 3.9785 (精密測量水準点札幌市73-04 S48.10.1測量) | | 5.6694 (精密測量水準点北海道H78-09 S53.10.1測量) | |
| 水位観測基準面標高(m) | 29.741 | 6.222 | 5.530 (S46.1.1~ S51.8.23) 5.875 (S51.11.16~ S57.5.14) 5.682 (S57.5.24~) | 4.939 | | 7.124 | 6.554 |
| 備考 | | | | | | | |

※ いずれも地表からの深度

諸 元 — 1

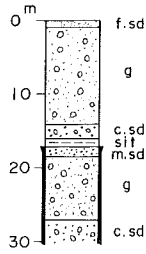
| 分部越観測所 | | 山口観測所 | | | 研究庁舎 観測所 | 花畔観測所 | |
|-----------------------------|--------------------|------------------------------------|--------------------------------|-----------|--|--|-----------------|
| A | B | A | B | C | | A | B |
| 小樽市 銭函5丁目 | | 札幌市西区 曙5条4丁目94-1 | | | 札幌市北区 北19条 西12丁目 | 石狩町 新港南3丁目 | |
| N 43°11'08" E 141°17'21" | | N 43°09'04" E 141°14'07" | | | N 43°04'44" E 141°20'12" | N 43°11'45" E 141°18'27" | |
| 下資源調査所 | | | | | | | |
| S 49. 1. 1 | | S51.10. 9 | S51. 9.21 | S51.10. 6 | S 54. 1.16 | S56. 5.15 | S56. 3. 1 |
| 1.542 | 3.996 | 1.337 | -2.126 | 3.562 | 3.290 | 0.515 | 2.063 |
| 被圧地下水 | 不圧地下水 | 被圧地下水 地盤沈下 | 被圧地下水 地盤沈下 | 不圧地下水 | 被圧地下水 | 被圧地下水 地盤沈下 | 不圧地下水 地盤沈下 |
| 150 | 100 | 125 | 200 | 40 | 250 | 150 | 100 |
| 200 | 5 | 35 | 146.5 | 6 | 120 | 58.7 | 12.0 |
| 175-180.5 186-197 | 4-5 | 18.4-23.94 | 111.51-117.01 122.51-128.01 | 5.6-5.9 | 54-65 76-87 98-103.5 | 42.2-53.2 | 9.0-11.0 |
| | | チューピング 式(単管) | チューピング スライド式 (二重管) | | | チューピング 式(単管) | チューピング 式(単管) |
| | | 4.2938(精密測量水準点 地-4 S52.10. 1測量) | | | 11.8621(精密測 量水準点 札幌 市 78-03 S 53.10. 1測量) | 4.7214 (精密測量水 準点 地-5 S56. 10. 1測量) | |
| 5.640 | | 6.400 | 6.329 | 5.614 | 10.280 | 6.184 | 6.191 |
| | S55. 5.28 で観測休止 | | | | | | |

観測井諸元 - 2

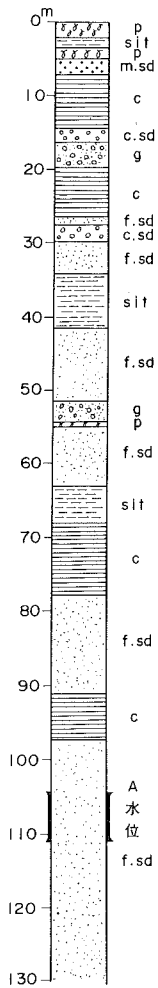
| | 石狩No.1 観測所 | 石狩No.2 観測所 | 石狩工水 No.1観測所 | 石狩工水 No.2観測所 |
|----------------------------------|---------------|--------------------|--------------------------|-------------------|
| 所在地 | 小樽市 銭函4丁目 | 石狩町 新港中央 3丁目 | 石狩町 新港中央 3丁目 | 石狩町 新港南 3丁目 |
| 緯度 | N 43°09'24" | N 43°11'59" | N 43°11'59" | N 43°11'49" |
| 経度 | E 141°15'03" | E 141°19'07" | E 141°19'07" | E 141°18'27" |
| 所属 | 石 狩 開 発 (株) | | | |
| 観測開始 年月日及び 月平均水位 標高 (m) | S 48. 7. 20 | | S55. 1. 1 | S57. 4. 6 |
| | 1.120 | 1.550 | -1.449 | 4.895 |
| 観測目的 | 被圧地下水 | 被圧地下水 | 被圧地下水 | 不圧地下水 |
| 口径 (mm) | 100 | 50 | 200 | 40 |
| 深度 (m)※ | 200 | 200 | 251 | 3.5 |
| ストレーナー 深度 (m)※ | 145—155 | 152—172 | 149.2—172 177.5—181.3 | 2.9—3.1 |
| 形式 | | | | |
| 地盤標高 | | | | |
| 水位観測基 準面標高(m) | 6.750 | 5.700 | 5.761 | 5.874 |
| 備考 | | | S59. 9.18 で観測終了 | |

※ いずれも地表からの深度

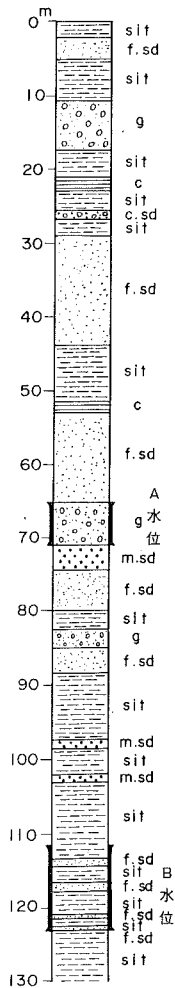
中島公園



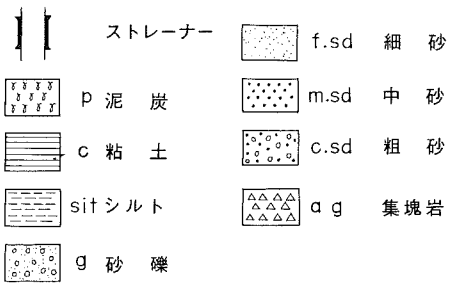
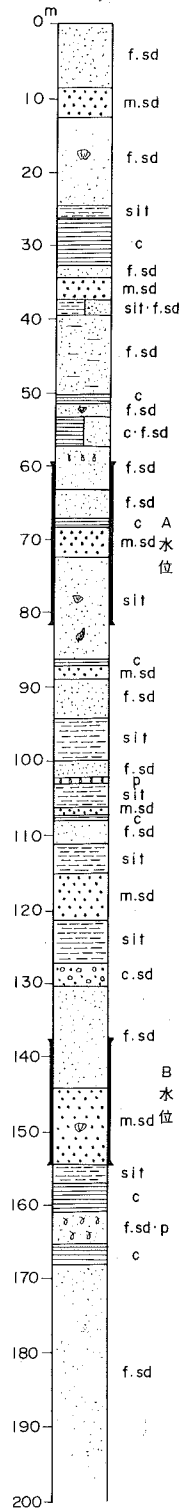
北発寒



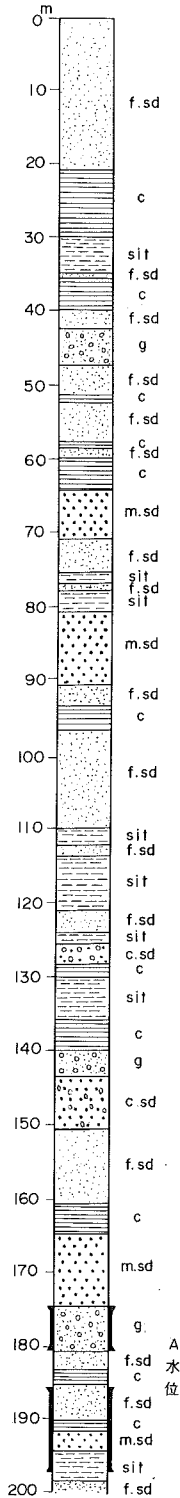
屯田



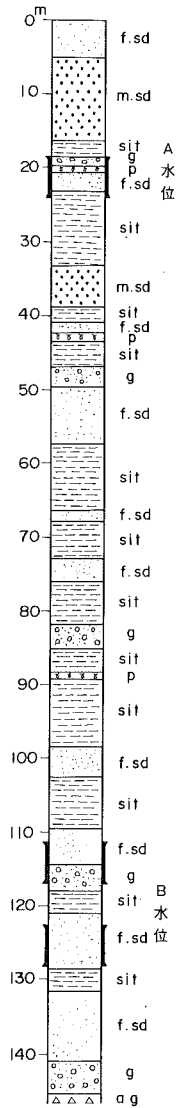
樽川



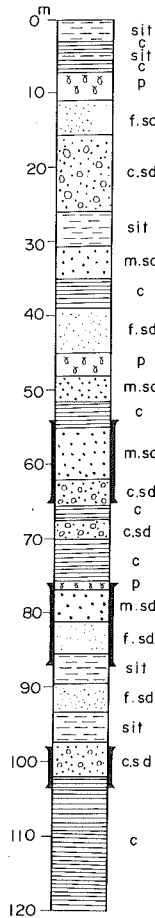
分部越



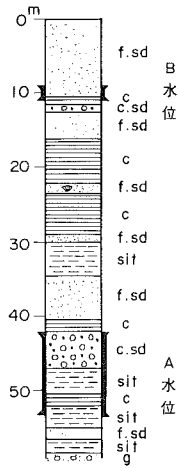
山口



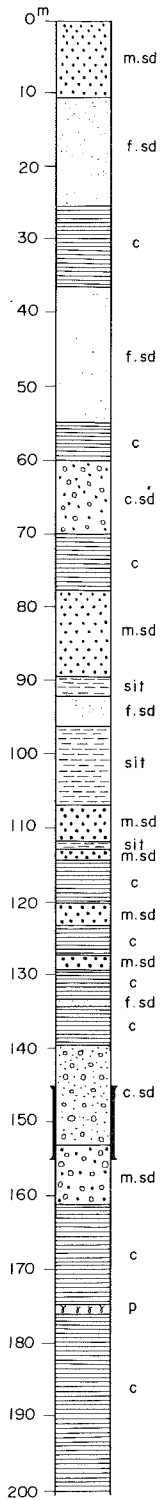
研究庁舎



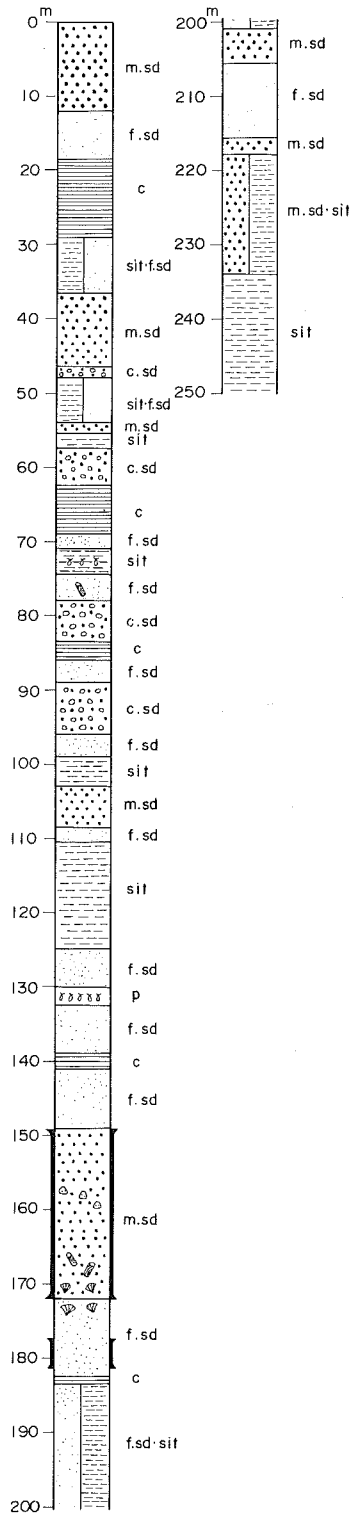
花畔



石狩No.1



石狩工水No.1



記録のとりまとめ方法

観測井諸元

水位観測基準面標高

観測当初から不動のものとして使用した。北発寒については、観測棟の改築のために昭和51年11月から、また、異常沈下のために昭和57年6月から、それぞれ基準面標高を変更した。

地盤標高

観測当初に精密水準測量した値を記載した。

観測井水位・沈下量表

水位：1日8回（3、6、9、12、15、18、21、24時）の記録の読みの平均を当該日の水位とし、標高で表わした。8回の読みのうち、4回以上の欠測の場合は、当該日を欠測とした。3～1回の欠測を含む読みは“*”を付し、当該日の平均水位とした。

累積沈下量表：観測開始日の基準面を（0）として、沈下（+）、浮上（-）とし、毎日24時の記録の読みを当該日の累積沈下量とした。北発寒については、観測棟の改築のため昭和51年11月より、新たな基準面（0）を設けた。さらに基礎の改築のため昭和63年11月より、新たな基準面（0）を設けた。

月平均水位（平均）：欠測・“*”を付した水位がある場合、月平均水位に“*”を付した。

月間沈下量（月差）：前月末日の累積沈下量の読みから、当該月末日の累積沈下量の読みを差引いた。末日が欠測の場合、各月20日以降の観測最終日を末日とし、差引いた読み“*”を付した。

水位・沈下量変化図

各月の向かって左側縦線を1日とし、12月の向かって右側縦線を明年1月1日とした。

経年変化図

各年の向かって左側縦線を1月とした。

水 位：1971年（昭和46年）からの各月平均水位を示した。

沈下量：1971年（昭和46年）からの累積沈下量（毎月1日24時を基準とし、欠測の場合は当該月の観測初日の24時の読み）を示した。

注：北発寒A沈下の1982年（昭和57年）6月から1988年（昭和63年）11月までは、地盤沈下経年変化図の右側に記した累計沈下量に従う。

観測所水準点の精密測量値表

(単位：m) (北海道・札幌市・石狩開発㈱による)

| 水準点 および 観測所 年 月 日 | 地 — 1 北登寒観測所 | 73 — 04 屯田観測所 | H78—09 樽川観測所 | 地 — 4 山口観測所 | 地 — 5 花畔観測所 |
|----------------------------------|---------------------|----------------------|---------------------|--------------------|--------------------|
| 1973.10.1 | 4.6212 | 3.9785 | | | |
| 1974.10.1 | | 3.9646 | | | |
| 1975.10.1 | 4.4491 | 3.9640 | | | |
| 1976.10.1 | 4.4051 | 3.9619 | | | |
| 1977.10.1 | 4.3719 | 3.9580 | | 4.2938 | |
| 1978.10.1 | 4.3498 | 3.9493 | 5.6694 | 4.2922 | |
| 1979.10.1 | 4.3083 | 3.9459 | 5.6609 | 4.2885 | |
| 1980.10.1 | 4.2887 | 3.9423 | 5.6612 | 4.2853 | 4.7197 |
| 1981.10.1 | 4.2897 | 3.9498 | 5.6695 | 4.2900 | 4.7214 |
| 1982.10.1 | 4.1627 | 3.9451 | 5.6659 | 4.2886 | 4.7157 |
| 1983.10.1 | | 3.9432 | 5.6650 | 4.2858 | 4.7237 |
| 1984.10.1 | | 3.9348 | 5.6625 | | 4.7177 |
| 1985.10.1 | | 3.9315 | 5.6627 | | 4.7144 |
| 1986.10.1 | | 3.9301 | 5.6656 | | 4.7162 |
| 1987.10.1 | | 移設仮 4.4760 | 5.6629 | | 4.7142 |
| 1988.10.1 | | 3.7008 | 5.6629 | | 4.7149 |

正誤表

「観測記録IX (昭和61年)」

P 21

石狩 No. 1 観測所 水位 深度 200m

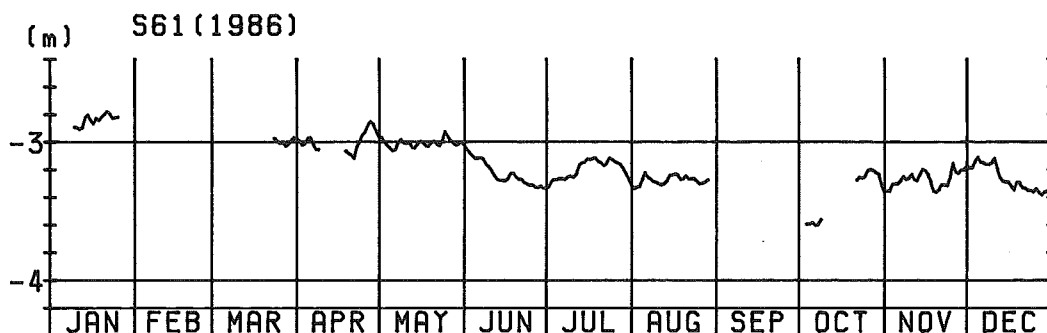
昭和 61年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|---------|------|---------|---------|---------|--------|--------|---------|------|---------|--------|--------|
| 1 | 欠 | 欠 | 欠 | -2.977 | -2.966 | -3.024 | -3.335 | -3.314 | 欠 | 欠 | -3.357 | -3.173 |
| 2 | 欠 | 欠 | 欠 | -2.991 | -2.965 | -3.055 | -3.322 | -3.337 | 欠 | 欠 | -3.355 | -3.185 |
| 3 | 欠 | 欠 | 欠 | -3.021 | -2.999 | -3.078 | -3.283 | -3.326 | 欠 | 欠 | -3.353 | -3.188 |
| 4 | 欠 | 欠 | 欠 | -3.016 | -3.023 | -3.100 | -3.271 | -3.323 | 欠 | -3.596* | -3.306 | -3.142 |
| 5 | 欠 | 欠 | 欠 | -2.976 | -3.041 | -3.118 | -3.271 | -3.275 | 欠 | -3.595 | -3.304 | -3.109 |
| 6 | 欠 | 欠 | 欠 | -2.967 | -3.063 | -3.119 | -3.262 | -3.221 | 欠 | -3.583 | -3.304 | -3.145 |
| 7 | 欠 | 欠 | 欠 | -3.014 | -3.053 | -3.113 | -3.266 | -3.254 | 欠 | -3.602 | -3.284 | -3.150 |
| 8 | 欠 | 欠 | 欠 | -3.055 | -3.004 | -3.122 | -3.271 | -3.268 | 欠 | -3.598 | -3.251 | -3.161 |
| 9 | 欠 | 欠 | 欠 | -3.056* | -2.982 | -3.165 | -3.250 | -3.285 | 欠 | -3.564* | -3.270 | -3.162 |
| 10 | -2.889 | 欠 | 欠 | 欠 | -3.005 | -3.180 | -3.246 | -3.292 | 欠 | 欠 | -3.261 | -3.151 |
| 11 | -2.896 | 欠 | 欠 | 欠 | -3.009 | -3.206 | -3.256 | -3.304 | 欠 | 欠 | -3.234 | -3.119 |
| 12 | -2.906 | 欠 | 欠 | 欠 | -2.999 | -3.243 | -3.234 | -3.312 | 欠 | 欠 | -3.272 | -3.190 |
| 13 | -2.896 | 欠 | 欠 | 欠 | -3.039 | -3.272 | -3.167 | -3.301 | 欠 | 欠 | -3.278 | -3.257 |
| 14 | -2.824 | 欠 | 欠 | 欠 | -3.042 | -3.280 | -3.150 | -3.281 | 欠 | 欠 | -3.237 | -3.284 |
| 15 | -2.804 | 欠 | 欠 | 欠 | -3.016 | -3.280 | -3.148 | -3.244 | 欠 | 欠 | -3.200 | -3.291 |
| 16 | -2.844 | 欠 | 欠 | 欠 | -2.993 | -3.284 | -3.123 | -3.240 | 欠 | 欠 | -3.205 | -3.290 |
| 17 | -2.868 | 欠 | 欠 | 欠 | -3.002 | -3.267 | -3.127 | -3.232 | 欠 | 欠 | -3.236 | -3.317 |
| 18 | -2.826 | 欠 | 欠 | 欠 | 欠 | -3.025 | -3.227 | -3.120 | 欠 | 欠 | -3.285 | -3.348 |
| 19 | -2.841 | 欠 | 欠 | 欠 | -3.068* | -3.031 | -3.227 | -3.116 | 欠 | 欠 | -3.355 | -3.296 |
| 20 | -2.819 | 欠 | 欠 | 欠 | -3.084 | -3.004 | -3.253 | -3.141 | 欠 | 欠 | -3.362 | -3.296 |
| 21 | -2.799 | 欠 | 欠 | -3.095 | -2.994 | -3.271 | -3.152 | -3.248 | 欠 | 欠 | -3.347 | -3.330 |
| 22 | -2.779 | 欠 | 欠 | -3.117 | -3.013 | -3.271 | -3.171 | -3.268 | 欠 | -3.273* | -3.310 | -3.335 |
| 23 | -2.792 | 欠 | 欠 | -3.033 | -3.026 | -3.295 | -3.158 | -3.268 | 欠 | -3.256 | -3.311 | -3.349 |
| 24 | -2.826 | 欠 | 欠 | -2.974* | -2.994 | -3.302 | -3.116 | -3.266 | 欠 | -3.262 | -3.314 | -3.351 |
| 25 | -2.821 | 欠 | 欠 | -2.996 | -2.946 | -2.924 | -3.126 | -3.281 | 欠 | -3.249 | -3.253 | -3.364 |
| 26 | -2.820 | 欠 | 欠 | -3.009 | -2.925 | -2.958 | -3.312 | -3.141 | 欠 | -3.207 | -3.154 | -3.339 |
| 27 | 欠 | 欠 | 欠 | -2.998 | -2.878 | -2.988 | -3.325 | -3.149 | 欠 | -3.200 | -3.215 | -3.368 |
| 28 | 欠 | 欠 | 欠 | -3.029 | -2.850 | -3.006 | -3.332 | -3.163 | 欠 | -3.205 | -3.226 | -3.381 |
| 29 | 欠 | 欠 | 欠 | -3.019 | -2.872 | -3.021 | -3.318 | -3.191 | 欠 | -3.223 | -3.204 | -3.362 |
| 30 | 欠 | 欠 | 欠 | -2.994 | -2.919 | -3.015 | -3.335 | -3.225 | 欠 | -3.233 | -3.204 | -3.358 |
| 31 | 欠 | 欠 | 欠 | -2.965 | -2.999 | 欠 | -3.261 | 欠 | 欠 | -3.306 | 欠 | -3.338 |
| 平均 | -2.838* | **** | -2.998* | -2.993* | -3.006 | -3.222 | -3.200 | -3.278* | **** | -3.372* | -3.274 | -3.262 |

P 36下図



P 47

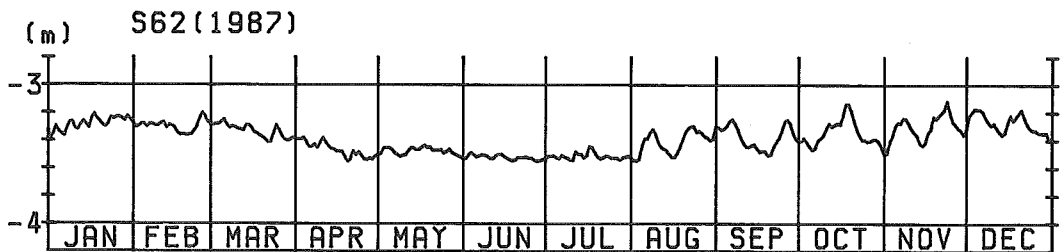
観測井水位経年変化図 (C) は本書 P 51 を参照

「観測記録X (昭和62年)」

P 23

| 石狩 No. 1 観測所 | | 水位 | | | | | | | | | | | |
|--------------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 深度 200m | | | | | | | | | | | |
| 昭和 62年 | | 1月 --12月 | | | | | | | | | | | |
| | | 単位 m | | | | | | | | | | | |
| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 | |
| 1 | -3.323 | -3.265 | -3.276 | -3.385 | -3.497 | -3.528 | -3.530 | -3.522 | -3.299 | -3.405 | -3.500 | -3.318 | |
| 2 | -3.381 | -3.303 | -3.288 | -3.390 | -3.495 | -3.532 | -3.516 | -3.543 | -3.306 | -3.404 | -3.490 | -3.222 | |
| 3 | -3.350 | -3.295 | -3.278 | -3.389 | -3.454 | -3.501 | -3.516 | -3.546 | -3.321 | -3.383 | -3.412 | -3.195 | |
| 4 | -3.296 | -3.277 | -3.277 | -3.380 | -3.451 | -3.488 | -3.509 | -3.536 | -3.315 | -3.409 | -3.366 | -3.172 | |
| 5 | -3.334 | -3.275 | -3.264 | -3.410 | -3.451 | -3.501 | -3.523 | -3.442 | -3.293 | -3.441 | -3.300 | -3.174 | |
| 6 | -3.352 | -3.299 | -3.248 | -3.445 | -3.462 | -3.518 | -3.529 | -3.387 | -3.262 | -3.466 | -3.271 | -3.176 | |
| 7 | -3.366 | -3.279 | -3.287 | -3.444 | -3.487 | -3.510 | -3.507 | -3.386 | -3.245 | -3.453 | -3.275 | -3.189 | |
| 8 | -3.312 | -3.279 | -3.305 | -3.425 | -3.500 | -3.502 | -3.517 | -3.341 | -3.276 | -3.400 | -3.238 | -3.235 | |
| 9 | -3.265 | -3.291 | -3.294 | -3.449 | -3.513 | -3.507 | -3.528 | -3.320 | -3.320 | -3.381 | -3.242 | -3.268 | |
| 10 | -3.264 | -3.291 | -3.304 | -3.413 | -3.505 | -3.515 | -3.540 | -3.349 | -3.375 | -3.361 | -3.279 | -3.291 | |
| 11 | -3.312 | -3.275 | -3.314 | -3.378 | -3.503 | -3.530 | -3.542 | -3.412 | -3.413 | -3.316 | -3.320 | -3.273 | |
| 12 | -3.317 | -3.268 | -3.318 | -3.410 | -3.476 | -3.529 | -3.477 | -3.446 | -3.442 | -3.273 | -3.342 | -3.312 | |
| 13 | -3.281 | -3.307 | -3.328 | -3.437 | -3.449 | -3.511 | -3.500 | -3.458 | -3.448 | -3.299 | -3.366 | -3.339 | |
| 14 | -3.260 | -3.287 | -3.287 | -3.457 | -3.454 | -3.497 | -3.498 | -3.472 | -3.435 | -3.285 | -3.418 | -3.360 | |
| 15 | -3.278 | -3.291 | -3.285 | -3.462 | -3.467 | -3.498 | -3.522 | -3.499 | -3.425 | -3.276 | -3.435 | -3.344 | |
| 16 | -3.305 | -3.305 | -3.305 | -3.478 | -3.462 | -3.513 | -3.508 | -3.518 | -3.460 | -3.282 | -3.414 | -3.275 | |
| 17 | -3.240 | -3.343 | -3.338 | -3.479 | -3.447 | -3.527 | -3.442 | -3.517 | -3.483 | -3.220 | -3.342 | -3.220 | |
| 18 | -3.208 | -3.360 | -3.346 | -3.477 | -3.434 | -3.539 | -3.450 | -3.486 | -3.475 | -3.139 | -3.319 | -3.254 | |
| 19 | -3.241 | -3.354 | -3.364 | -3.520 | -3.450 | -3.545 | -3.486 | -3.442 | -3.479 | -3.135 | -3.225 | -3.232 | |
| 20 | -3.262 | -3.360 | -3.375 | -3.552 | -3.447 | -3.543 | -3.517 | -3.390 | -3.505 | -3.181 | -3.241 | -3.204 | |
| 21 | -3.285 | -3.359 | -3.392 | -3.535 | -3.470 | -3.523 | -3.531 | -3.337 | -3.500 | -3.253 | -3.218 | -3.177 | |
| 22 | -3.299 | -3.355 | -3.410 | -3.474 | -3.469 | -3.523 | -3.522 | -3.309 | -3.444 | -3.320 | -3.197 | -3.229 | |
| 23 | -3.280 | -3.329 | -3.405 | -3.504 | -3.469 | -3.521 | -3.509 | -3.299 | -3.411 | -3.364 | -3.180 | -3.277 | |
| 24 | -3.230 | -3.297 | -3.347 | -3.483 | -3.466 | -3.520 | -3.514 | -3.294 | -3.378 | -3.393 | -3.116 | -3.311 | |
| 25 | -3.241 | -3.237 | -3.285 | -3.508 | -3.489 | -3.525 | -3.525 | -3.340 | -3.331 | -3.393 | -3.191 | -3.327 | |
| 26 | -3.231 | -3.197 | -3.323 | -3.535 | -3.477 | -3.526 | -3.527 | -3.329 | -3.264 | -3.405 | -3.261 | -3.328 | |
| 27 | -3.228 | -3.221 | -3.362 | -3.540 | -3.464 | -3.542 | -3.527 | -3.347 | -3.251 | -3.402 | -3.287 | -3.341 | |
| 28 | -3.238 | -3.263 | -3.389 | -3.527 | -3.485 | -3.552 | -3.538 | -3.371 | -3.276 | -3.391 | -3.309 | -3.348 | |
| 29 | -3.253 | | -3.398 | -3.535 | -3.499 | -3.545 | -3.523 | -3.380 | -3.341 | -3.392 | -3.328 | -3.349 | |
| 30 | -3.224 | | -3.396 | -3.514 | -3.505 | -3.538 | -3.517 | -3.398 | -3.388 | -3.405 | -3.359 | -3.346 | |
| 31 | -3.241 | | -3.377 | | -3.519 | | -3.509 | -3.386 | | -3.447 | | -3.388 | |
| 平均 | -3.280 | -3.295 | -3.327 | -3.464 | -3.474 | -3.521 | -3.512 | -3.412 | -3.372 | -3.344 | -3.308 | -3.273 | |

P 38下図



P 49

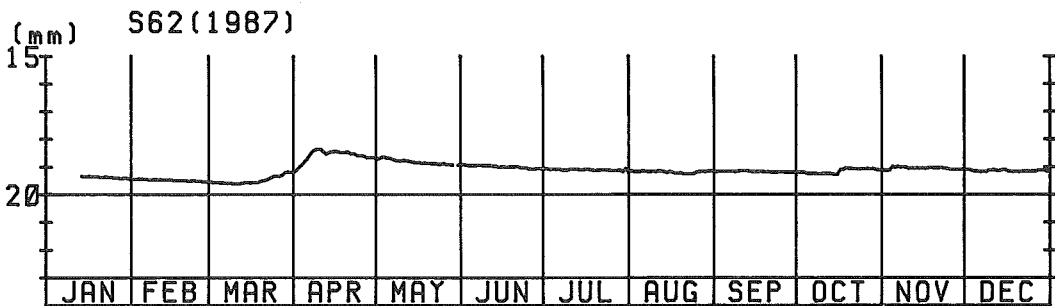
観測井水位経年変化図 (C) は本書 P51 を参照

「観測記銀X (昭和62年)」

P26上

| 山口観測所 | | A 沈下 | | | | | | | | | | |
|--------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 昭和 62年 | | 1月--12月 | | | | | | | | | | |
| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
| 1 | 欠 | 19.45 | 19.56 | 19.18 | 18.68 | 18.94 | 19.07 | 19.19 | 19.16 | 19.20 | 19.12 | 19.08 |
| 2 | 欠 | 19.45 | 19.54 | 19.13 | 18.71 | 18.92 | 19.05 | 19.14 | 19.17 | 19.19 | 19.12 | 19.10 |
| 3 | 欠 | 19.43 | 19.57 | 19.02 | 18.66 | 18.94 | 19.08 | 19.17 | 19.15 | 19.19 | 19.13 | 19.09 |
| 4 | 欠 | 19.43 | 19.56 | 18.93 | 18.64 | 18.95 | 19.10 | 19.18 | 19.16 | 19.20 | 19.12 | 19.14 |
| 5 | 欠 | 19.44 | 19.57 | 18.81 | 18.67 | 18.96 | 19.08 | 19.18 | 19.15 | 19.23 | 18.98 | 19.15 |
| 6 | 欠 | 19.44 | 19.57 | 18.72 | 18.68 | 18.95 | 19.09 | 19.14 | 19.15 | 19.25 | 19.02 | 19.15 |
| 7 | 欠 | 19.45 | 19.58 | 18.56 | 18.71 | 18.95 | 19.08 | 19.15 | 19.15 | 19.23 | 18.98 | 19.17 |
| 8 | 欠 | 19.47 | 19.60 | 18.43 | 18.75 | 18.94 | 19.11 | 19.18 | 19.16 | 19.24 | 19.01 | 19.16 |
| 9 | 欠 | 19.45 | 19.58 | 18.37 | 18.77 | 18.95 | 19.11 | 19.17 | 19.17 | 19.25 | 19.00 | 19.17 |
| 10 | 欠 | 19.46 | 19.61 | 18.35 | 18.79 | 18.96 | 19.11 | 19.15 | 19.15 | 19.26 | 19.01 | 19.12 |
| 11 | 欠 | 19.46 | 19.62 | 18.36 | 18.76 | 18.95 | 19.08 | 19.17 | 19.14 | 19.24 | 19.05 | 19.12 |
| 12 | 欠 | 19.46 | 19.62 | 18.46 | 18.78 | 18.96 | 19.08 | 19.13 | 19.14 | 19.25 | 19.03 | 19.10 |
| 13 | 欠 | 19.47 | 19.60 | 18.53 | 18.79 | 18.97 | 19.08 | 19.15 | 19.14 | 19.24 | 19.05 | 19.13 |
| 14 | 19.33 | 19.48 | 19.57 | 18.47 | 18.81 | 18.97 | 19.09 | 19.18 | 19.15 | 19.26 | 19.04 | 19.14 |
| 15 | 19.35 | 19.46 | 19.56 | 18.45 | 18.83 | 19.01 | 19.11 | 19.21 | 19.18 | 19.27 | 19.05 | 19.10 |
| 16 | 19.36 | 19.48 | 19.57 | 18.43 | 18.86 | 18.99 | 19.10 | 19.16 | 19.17 | 19.27 | 19.03 | 19.10 |
| 17 | 19.34 | 19.50 | 19.57 | 18.43 | 18.83 | 18.99 | 19.07 | 19.20 | 19.17 | 19.09 | 19.06 | 19.15 |
| 18 | 19.35 | 19.49 | 19.55 | 18.47 | 18.87 | 19.01 | 19.10 | 19.23 | 19.15 | 19.09 | 19.03 | 19.15 |
| 19 | 19.36 | 19.50 | 19.55 | 18.47 | 18.86 | 19.00 | 19.11 | 19.23 | 19.18 | 19.04 | 19.02 | 19.17 |
| 20 | 19.36 | 19.50 | 19.51 | 18.48 | 18.88 | 18.99 | 19.13 | 19.22 | 19.17 | 19.05 | 19.04 | 19.15 |
| 21 | 19.38 | 19.49 | 19.49 | 18.46 | 18.87 | 19.00 | 19.12 | 19.25 | 19.18 | 19.05 | 19.04 | 19.17 |
| 22 | 19.37 | 19.51 | 19.47 | 18.53 | 18.90 | 19.00 | 19.12 | 19.25 | 19.20 | 19.08 | 19.04 | 19.16 |
| 23 | 19.36 | 19.49 | 19.43 | 18.52 | 18.88 | 19.03 | 19.12 | 19.25 | 19.20 | 19.08 | 19.02 | 19.16 |
| 24 | 19.38 | 19.50 | 19.38 | 18.57 | 18.91 | 19.03 | 19.12 | 19.25 | 19.20 | 19.07 | 19.06 | 19.15 |
| 25 | 19.38 | 19.51 | 19.34 | 18.60 | 18.90 | 19.04 | 19.12 | 19.24 | 19.17 | 19.07 | 19.06 | 19.16 |
| 26 | 19.40 | 19.51 | 19.33 | 18.60 | 18.88 | 19.07 | 19.13 | 19.18 | 19.18 | 19.08 | 19.09 | 19.15 |
| 27 | 19.39 | 19.54 | 19.34 | 18.62 | 18.91 | 19.08 | 19.14 | 19.17 | 19.19 | 19.06 | 19.09 | 19.15 |
| 28 | 19.41 | 19.54 | 19.29 | 18.67 | 18.92 | 19.07 | 19.14 | 19.15 | 19.20 | 19.08 | 19.09 | 19.11 |
| 29 | 19.41 | | 19.20 | 18.65 | 18.93 | 19.06 | 19.12 | 19.17 | 19.20 | 19.05 | 19.09 | 19.11 |
| 30 | 19.40 | | 19.17 | 18.66 | 欠 | 19.06 | 19.17 | 19.16 | 19.19 | 19.10 | 19.10 | 19.12 |
| 31 | 19.41 | | 19.19 | | 18.93 | | 19.06 | 19.13 | | 19.11 | | 19.15 |
| 月差 | **** | 0.13 | -0.35 | -0.53 | 0.27 | 0.13 | 0.00 | 0.07 | 0.06 | -0.08 | -0.01 | 0.05 |

P40上図



P51

観測井地盤沈下経年変化図は本書P53を参照

觀測井水位・沈下量表

中島公園観測所

水位

深度 30.2m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| 1 | 18.769 | 18.673 | 18.916 | 19.585 | 20.621 | 20.873 | 20.357 | 19.744 | 19.662 | 19.710 | 19.979 | 20.407 |
| 2 | 18.777 | 18.723 | 18.924 | 19.655 | 20.686 | 20.834 | 20.317 | 19.703 | 19.682 | 19.678 | 19.972 | 20.406 |
| 3 | 18.762 | 18.731 | 18.916 | 19.702 | 20.634 | 20.817 | 20.310 | 19.667 | 19.676 | 19.739 | 19.974 | 20.380 |
| 4 | 18.770 | 18.730 | 18.867 | 19.788 | 20.696 | 20.778 | 20.313 | 19.602 | 19.676 | 19.693 | 19.997 | 20.376 |
| 5 | 18.747 | 18.765 | 18.829 | 19.843 | 20.696 | 20.730 | 20.299 | 19.575 | 19.718 | 19.683 | 19.983 | 20.411 |
| 6 | 18.741 | 18.805 | 18.809 | 19.901 | 20.698 | 20.750 | 20.275 | 19.552 | 19.702 | 19.660 | 19.989 | 20.357 |
| 7 | 18.744 | 18.824 | 18.823 | 19.931 | 20.662 | 20.755 | 20.258 | 19.529 | 19.676 | 19.754 | 20.003 | 20.333 |
| 8 | 18.762 | 18.867 | 18.788 | 19.970 | 20.668 | 20.759 | 20.206 | 欠 | 19.661 | 19.685 | 19.988 | 20.327 |
| 9 | 18.736 | 18.898 | 18.754 | 19.978 | 20.675 | 20.771 | 20.205 | 欠 | 19.690 | 19.674 | 19.997 | 20.366 |
| 10 | 18.723 | 18.921 | 18.724 | 19.859 | 20.679 | 20.796 | 20.170 | 欠 | 19.669 | 19.699 | 20.028 | 20.360 |
| 11 | 18.740 | 18.932 | 18.711 | 20.074 | 20.685 | 20.802 | 20.191 | 欠 | 19.668 | 19.776 | 20.018 | 20.351 |
| 12 | 18.710 | 18.977 | 18.707 | 20.125 | 20.735 | 20.809 | 20.168 | 欠 | 19.845 | 19.805 | 19.965 | 20.354 |
| 13 | 18.694 | 18.972 | 18.711 | 20.197 | 20.885 | 20.822 | 20.141 | 欠 | 19.881 | 19.811 | 19.934 | 20.341 |
| 14 | 18.694 | 18.978 | 18.792 | 20.270 | 20.924 | 20.821 | 20.147 | 欠 | 19.904 | 19.835 | 19.910 | 20.366 |
| 15 | 18.672 | 19.026 | 18.836 | 20.309 | 20.942 | 20.824 | 20.091 | 欠 | 19.930 | 19.816 | 19.886 | 20.367 |
| 16 | 18.685 | 19.022 | 18.850 | 20.309 | 20.987 | 20.783 | 20.026 | 欠 | 19.949 | 19.811 | 19.838 | 20.352 |
| 17 | 18.686 | 19.006 | 18.865 | 20.342 | 21.003 | 20.805 | 20.006 | 欠 | 19.897 | 19.884 | 19.807 | 20.324 |
| 18 | 18.700 | 19.008 | 18.866 | 20.437 | 21.018 | 20.767 | 20.010 | 欠 | 19.892 | 19.874 | 19.782 | 20.359 |
| 19 | 18.667 | 19.003 | 18.880 | 20.518 | 21.055 | 20.801 | 19.892 | 19.358* | 19.953 | 19.871 | 19.744 | 20.414 |
| 20 | 18.666 | 18.963 | 18.886 | 20.587 | 21.033 | 20.790 | 19.858 | 19.373 | 19.916 | 19.887 | 19.714 | 20.427 |
| 21 | 18.663 | 18.949 | 18.911 | 20.576 | 21.034 | 20.748 | 19.823 | 19.284 | 19.890 | 19.899 | 19.714 | 20.427 |
| 22 | 18.696 | 18.998 | 18.973 | 20.541 | 21.059 | 20.699 | 19.844 | 19.288 | 19.874 | 19.881 | 19.705 | 20.393 |
| 23 | 18.701 | 18.992 | 18.985 | 20.540 | 21.066 | 20.681 | 19.819 | 19.299 | 19.811 | 19.875 | 19.699 | 20.377 |
| 24 | 18.685 | 18.956 | 19.072 | 20.514 | 21.015 | 20.617 | 19.832 | 19.297 | 19.832 | 19.891 | 19.892 | 20.368 |
| 25 | 18.693 | 18.946 | 19.140 | 20.462 | 21.017 | 20.574 | 19.791 | 19.195 | 19.827 | 19.888 | 20.265 | 20.370 |
| 26 | 18.672 | 18.930 | 19.170 | 20.502 | 21.003 | 20.549 | 19.734 | 19.313 | 19.850 | 19.866 | 20.331 | 20.372 |
| 27 | 18.671 | 18.926 | 19.221 | 20.491 | 20.969 | 20.544 | 19.705 | 19.354 | 19.813 | 19.849 | 20.360 | 20.332 |
| 28 | 18.645 | 18.895 | 19.300 | 20.513 | 20.933 | 20.518 | 19.778 | 19.360 | 19.807 | 19.884 | 20.392 | 20.290 |
| 29 | 18.629 | 18.887 | 19.383 | 20.496 | 20.908 | 20.495 | 19.763 | 19.488 | 19.781 | 19.875 | 20.405 | 20.211 |
| 30 | 18.620 | | 19.439 | 20.579 | 20.882 | 20.431 | 19.746 | 19.570 | 19.758 | 19.922 | 20.410 | 20.200 |
| 31 | 18.624 | | 19.522 | | 20.870 | | 19.736 | 19.583 | | 19.977 | | 20.257 |
| 平均 | 18.701 | 18.907 | 18.953 | 20.219 | 20.862 | 20.724 | 20.026 | 19.456* | 19.796 | 19.811 | 19.989 | 20.354 |

北発寒観測所

A 水位 深度 130m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 1 | -6.236 | -6.204 | -6.313 | -6.367 | -6.337 | -6.246 | -6.482 | -6.779 | -6.859 | -6.857 | -6.767 | 欠 |
| 2 | -6.201 | -6.174 | -6.326 | -6.371 | -6.301 | -6.278 | -6.505 | -6.767 | -6.892 | -6.842 | -6.781 | 欠 |
| 3 | -6.190 | -6.173 | -6.318 | -6.378 | -6.260 | -6.294 | -6.490 | -6.785 | -6.922 | -6.781 | -6.806 | 欠 |
| 4 | -6.153 | -6.212 | -6.351 | -6.342 | -6.185 | -6.288 | -6.437 | -6.834 | -6.926 | -6.779 | -6.824 | 欠 |
| 5 | -6.138 | -6.248 | -6.374 | -6.340 | -6.165 | -6.290 | -6.454 | -6.866 | -6.856 | -6.798 | -6.817 | 欠 |
| 6 | -6.140 | -6.259 | -6.379 | -6.351 | -6.151 | -6.276 | -6.521 | -6.881 | -6.845 | -6.793 | -6.792 | 欠 |
| 7 | -6.148 | -6.264 | -6.331 | -6.377 | -6.149 | -6.249 | -6.564 | -6.892 | -6.861 | -6.766 | -6.727 | 欠 |
| 8 | -6.128 | -6.251 | -6.323 | -6.395 | -6.171 | -6.271 | -6.591 | -6.876 | -6.887 | -6.802 | -6.743 | 欠 |
| 9 | -6.124 | -6.248 | -6.337 | -6.403 | -6.182 | -6.284 | -6.597 | -6.851 | -6.894 | -6.816 | -6.756 | -6.820 |
| 10 | -6.131 | -6.244 | -6.359 | -6.397 | -6.169 | -6.291 | -6.616 | -6.894 | -6.892 | -6.753 | -6.745 | -6.840 |
| 11 | -6.118 | -6.255 | -6.360 | -6.385 | -6.145 | -6.311 | -6.557 | -6.920 | -6.884 | -6.692 | -6.760 | -6.847 |
| 12 | -6.148 | -6.257 | -6.326 | -6.366 | -6.112 | -6.312 | -6.567 | -6.932 | -6.766 | -6.676 | 欠 | -6.820 |
| 13 | -6.167 | -6.223 | -6.315 | -6.346 | -6.051 | -6.286 | -6.600 | -6.937 | -6.779 | -6.685 | 欠 | -6.831 |
| 14 | -6.183 | -6.189 | -6.299 | -6.348 | -6.092 | -6.271 | -6.621 | -6.929 | -6.823 | -6.725 | 欠 | -6.817 |
| 15 | -6.182 | -6.158 | -6.289 | -6.375 | -6.124 | -6.299 | -6.644 | -6.875 | -6.843 | -6.765 | 欠 | -6.803 |
| 16 | -6.175 | -6.181 | -6.308 | -6.410 | -6.099 | -6.314 | -6.665 | -6.818 | -6.850 | -6.783 | 欠 | -6.812 |
| 17 | -6.148 | -6.216 | -6.337 | -6.413 | -6.067 | -6.325 | -6.644 | -6.796 | -6.859 | -6.728 | 欠 | -6.831 |
| 18 | -6.110 | -6.248 | -6.349 | -6.356 | -6.055 | -6.370 | -6.595 | -6.810 | -6.885 | -6.703 | 欠 | -6.847 |
| 19 | -6.139 | -6.277 | -6.358 | -6.307 | -6.045 | -6.391 | -6.598 | -6.835 | -6.807 | -6.739 | 欠 | -6.812 |
| 20 | -6.171 | -6.308 | -6.372 | -6.294 | -6.010 | -6.350 | -6.637 | -6.852 | -6.784 | -6.767 | 欠 | -6.807 |
| 21 | -6.200 | -6.333 | -6.327 | -6.327 | -5.986 | -6.333 | -6.667 | -6.861 | -6.805 | -6.766 | 欠 | -6.836 |
| 22 | -6.180 | -6.326 | -6.245 | -6.334 | -5.986 | -6.364 | -6.687 | -6.795 | -6.828 | -6.779 | 欠 | -6.856 |
| 23 | -6.171 | -6.299 | -6.208 | -6.331 | -5.963 | -6.392 | -6.703 | -6.802 | -6.836 | -6.796 | 欠 | -6.886 |
| 24 | -6.193 | -6.313 | -6.237 | -6.312 | -5.999 | -6.407 | -6.720 | -6.864 | -6.828 | -6.759 | 欠 | -6.887 |
| 25 | -6.175 | -6.333 | -6.257 | -6.280 | -6.065 | -6.433 | -6.686 | -6.902 | -6.811 | -6.762 | 欠 | -6.875 |
| 26 | -6.189 | -6.343 | -6.282 | -6.277 | -6.102 | -6.464 | -6.683 | -6.900 | -6.749 | -6.788 | 欠 | -6.823 |
| 27 | -6.210 | -6.343 | -6.287 | -6.309 | -6.158 | -6.447 | -6.708 | -6.909 | -6.764 | -6.822 | 欠 | -6.802 |
| 28 | -6.219 | -6.318 | -6.264 | -6.332 | -6.193 | -6.431 | -6.728 | -6.905 | -6.803 | -6.809 | 欠 | -6.782 |
| 29 | -6.229 | -6.297 | -6.283 | -6.356 | -6.211 | -6.440 | -6.753 | -6.812 | -6.842 | -6.804 | 欠 | -6.776 |
| 30 | -6.233 | | -6.313 | -6.347 | -6.184 | -6.452 | -6.788 | -6.818 | -6.858 | -6.768 | 欠 | -6.753 |
| 31 | -6.230 | | -6.346 | | -6.204 | | -6.807 | -6.846 | | -6.739 | | -6.727 |
| 平均 | -6.172 | -6.258 | -6.315 | -6.350 | -6.126 | -6.338 | -6.623 | -6.856 | -6.841 | -6.769 | -6.774* | -6.821* |

北発寒観測所

B 水位 深度 6m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 1 | 2.416 | 2.455 | 2.372 | 3.154 | 2.865 | 2.749 | 2.582 | 2.310 | 2.383 | 2.345 | 2.285 | 2.820 |
| 2 | 2.408 | 2.538 | 2.406 | 3.148 | 2.833 | 2.746 | 2.565 | 2.312 | 2.385 | 2.343 | 2.337 | 2.796 |
| 3 | 2.398 | 2.528 | 2.430 | 3.141 | 2.830 | 2.744 | 2.559 | 2.323 | 2.374 | 2.330 | 2.319 | 2.787 |
| 4 | 2.429 | 2.464 | 2.360 | 3.124 | 2.869 | 2.758 | 2.545 | 2.299 | 2.363 | 2.314 | 2.292 | 2.806 |
| 5 | 2.419 | 2.453 | 2.355 | 3.113 | 2.824 | 2.710 | 2.538 | 2.279 | 2.367 | 2.306 | 2.329 | 2.834 |
| 6 | 2.415 | 2.474 | 2.369 | 3.107 | 2.814 | 2.696 | 2.528 | 2.274 | 2.375 | 2.340 | 2.326 | 2.783 |
| 7 | 2.425 | 2.470 | 2.384 | 3.086 | 2.796 | 2.707 | 2.518 | 2.272 | 2.368 | 2.369 | 2.320 | 2.751 |
| 8 | 2.463 | 2.431 | 2.373 | 3.094 | 2.780 | 2.687 | 2.510 | 2.268 | 2.347 | 2.320 | 2.305 | 2.749 |
| 9 | 2.462 | 2.422 | 2.357 | 3.088 | 2.758 | 2.687 | 2.525 | 2.263 | 2.354 | 2.325 | 2.352 | 2.785 |
| 10 | 2.429 | 2.427 | 2.346 | 3.051 | 2.752 | 2.685 | 2.500 | 2.251 | 2.362 | 2.335 | 2.373 | 2.772 |
| 11 | 2.431 | 2.412 | 2.382 | 3.031 | 2.751 | 2.677 | 2.486 | 2.248 | 2.370 | 2.365 | 2.388 | 2.766 |
| 12 | 2.410 | 2.418 | 2.457 | 3.025 | 2.785 | 2.676 | 2.475 | 2.254 | 2.433 | 2.404 | 欠 | 2.740 |
| 13 | 2.417 | 2.427 | 2.433 | 3.030 | 2.848 | 2.679 | 2.464 | 2.256 | 2.415 | 2.397 | 欠 | 2.746 |
| 14 | 2.430 | 2.425 | 2.485 | 3.006 | 2.832 | 2.672 | 2.458 | 2.240 | 2.425 | 2.367 | 欠 | 2.806 |
| 15 | 2.441 | 2.419 | 2.559 | 2.977 | 2.878 | 2.669 | 2.452 | 2.235 | 2.443 | 2.343 | 欠 | 2.844 |
| 16 | 2.438 | 2.406 | 2.582 | 2.939 | 2.920 | 2.672 | 2.442 | 2.234 | 2.458 | 2.322 | 欠 | 2.838 |
| 17 | 2.437 | 2.398 | 2.614 | 2.930 | 2.945 | 2.676 | 2.433 | 2.229 | 2.437 | 2.329 | 欠 | 2.831 |
| 18 | 2.426 | 2.410 | 2.669 | 2.941 | 2.960 | 2.679 | 2.424 | 2.226 | 2.413 | 2.334 | 欠 | 2.819 |
| 19 | 2.387 | 2.397 | 2.729 | 2.952 | 2.953 | 2.686 | 2.416 | 2.230 | 2.433 | 2.306 | 欠 | 2.804 |
| 20 | 2.401 | 2.391 | 2.799 | 2.945 | 2.960 | 2.686 | 2.414 | 2.228 | 2.438 | 2.312 | 欠 | 2.833 |
| 21 | 2.401 | 2.366 | 2.849 | 2.914 | 2.936 | 2.676 | 2.406 | 2.228 | 2.423 | 2.336 | 欠 | 2.812 |
| 22 | 2.473 | 2.371 | 2.926 | 2.948 | 2.917 | 2.669 | 2.391 | 2.230 | 2.413 | 2.315 | 欠 | 2.784 |
| 23 | 2.503 | 2.424 | 2.985 | 2.939 | 2.895 | 2.663 | 2.376 | 2.214 | 2.405 | 2.303 | 欠 | 2.768 |
| 24 | 2.487 | 2.388 | 3.044 | 2.909 | 2.848 | 2.658 | 2.363 | 2.191 | 2.397 | 2.293 | 欠 | 2.788 |
| 25 | 2.477 | 2.372 | 3.082 | 2.883 | 2.835 | 2.646 | 2.353 | 2.190 | 2.401 | 2.294 | 欠 | 2.788 |
| 26 | 2.474 | 2.383 | 3.125 | 2.895 | 2.832 | 2.632 | 2.345 | 2.219 | 2.398 | 2.284 | 欠 | 2.766 |
| 27 | 2.475 | 2.402 | 3.152 | 2.871 | 2.810 | 2.625 | 2.337 | 2.250 | 2.363 | 2.279 | 欠 | 2.750 |
| 28 | 2.477 | 2.404 | 3.168 | 2.869 | 2.797 | 2.622 | 2.336 | 2.259 | 2.342 | 2.319 | 欠 | 2.749 |
| 29 | 2.480 | 2.370 | 3.174 | 2.870 | 2.787 | 2.618 | 2.326 | 2.299 | 2.328 | 2.324 | 欠 | 2.713 |
| 30 | 2.468 | | 3.171 | 2.880 | 2.763 | 2.609 | 2.331 | 2.327 | 2.333 | 2.312 | 2.823 | 2.711 |
| 31 | 2.472 | | 3.161 | | 2.746 | | 2.336 | 2.349 | | 2.264 | | 2.709 |
| 平均 | 2.440 | 2.422 | 2.687 | 2.995 | 2.842 | 2.678 | 2.443 | 2.257 | 2.391 | 2.326 | 2.370* | 2.782 |

北発寒観測所

A 沈下

昭和 63年

1月--12月

単位 mm

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1 | 314.89 | 316.38 | 320.15 | 319.05 | 319.59 | 320.21 | 320.69 | 321.95 | 323.55 | 324.14 | 325.11 | -0.05 |
| 2 | 314.99 | 316.18 | 320.15 | 319.03 | 319.67 | 320.23 | 320.73 | 321.96 | 323.60 | 324.15 | 325.11 | 欠 |
| 3 | 315.09 | 316.28 | 320.16 | 319.04 | 319.69 | 320.21 | 320.77 | 322.03 | 323.59 | 324.20 | 325.12 | -0.02 |
| 4 | 315.03 | 316.46 | 320.40 | 319.08 | 319.70 | 320.18 | 320.81 | 322.14 | 323.59 | 324.26 | 325.20 | 欠 |
| 5 | 315.09 | 316.54 | 320.51 | 319.08 | 319.71 | 320.35 | 320.80 | 322.28 | 323.63 | 324.33 | 325.33 | 欠 |
| 6 | 315.16 | 316.55 | 320.57 | 319.08 | 319.77 | 320.34 | 320.84 | 322.33 | 323.61 | 324.32 | 325.33 | 欠 |
| 7 | 315.14 | 316.61 | 320.60 | 319.11 | 319.83 | 320.38 | 320.84 | 322.40 | 323.63 | 324.29 | 325.48 | 欠 |
| 8 | 315.06 | 316.88 | 320.70 | 319.11 | 319.94 | 320.40 | 320.86 | 322.45 | 323.67 | 324.41 | 325.54 | 欠 |
| 9 | 315.08 | 317.18 | 320.82 | 319.15 | 319.99 | 320.40 | 320.88 | 322.53 | 323.68 | 324.45 | 325.56 | -0.05 |
| 10 | 315.23 | 317.47 | 320.89 | 319.23 | 320.01 | 320.29 | 320.93 | 322.61 | 323.72 | 324.47 | 325.70 | -0.03 |
| 11 | 315.46 | 317.77 | 320.64 | 319.27 | 320.03 | 320.32 | 320.92 | 322.65 | 323.71 | 324.44 | 325.73 | -0.02 |
| 12 | 315.53 | 317.86 | 320.40 | 319.24 | 319.71 | 320.29 | 321.00 | 322.68 | 323.48 | 324.43 | 欠 | 0.03 |
| 13 | 315.63 | 318.01 | 320.41 | 319.26 | 319.55 | 320.32 | 321.03 | 322.74 | 323.59 | 324.46 | 欠 | 0.02 |
| 14 | 315.63 | 318.20 | 320.34 | 319.29 | 319.63 | 320.18 | 321.08 | 322.81 | 323.60 | 324.49 | 欠 | -0.08 |
| 15 | 315.62 | 318.26 | 320.34 | 319.44 | 319.61 | 320.17 | 321.10 | 322.88 | 323.61 | 324.55 | 欠 | -0.09 |
| 16 | 315.68 | 318.50 | 320.44 | 319.52 | 319.55 | 320.21 | 321.14 | 322.95 | 323.60 | 324.60 | 欠 | -0.06 |
| 17 | 315.69 | 318.62 | 320.29 | 319.53 | 319.52 | 320.15 | 321.15 | 322.99 | 323.69 | 324.62 | 欠 | -0.03 |
| 18 | 315.86 | 318.72 | 320.10 | 319.54 | 319.52 | 320.11 | 321.18 | 323.06 | 323.72 | 324.66 | 欠 | -0.00 |
| 19 | 316.03 | 318.91 | 319.84 | 319.37 | 319.52 | 320.13 | 321.18 | 323.05 | 323.69 | 324.76 | 欠 | 0.00 |
| 20 | 316.02 | 319.07 | 319.95 | 319.39 | 319.52 | 320.19 | 321.24 | 323.08 | 323.76 | 324.79 | 欠 | 0.00 |
| 21 | 316.09 | 319.26 | 319.90 | 319.45 | 319.58 | 320.21 | 321.29 | 323.09 | 323.77 | 324.79 | 欠 | 0.03 |
| 22 | 315.80 | 319.45 | 319.77 | 319.39 | 319.64 | 320.26 | 321.37 | 323.14 | 323.83 | 324.84 | 欠 | 0.05 |
| 23 | 315.70 | 319.44 | 319.41 | 319.44 | 319.73 | 320.32 | 321.43 | 323.22 | 323.83 | 324.90 | 欠 | 0.06 |
| 24 | 315.80 | 319.58 | 319.46 | 319.50 | 319.87 | 320.36 | 321.51 | 323.32 | 323.85 | 324.94 | 欠 | 0.06 |
| 25 | 315.89 | 319.70 | 319.23 | 319.50 | 319.89 | 320.46 | 321.60 | 323.38 | 323.86 | 324.97 | 欠 | 0.06 |
| 26 | 315.96 | 319.79 | 319.13 | 319.48 | 319.93 | 320.54 | 321.65 | 323.38 | 323.90 | 325.03 | 欠 | 0.11 |
| 27 | 316.02 | 319.83 | 319.07 | 319.57 | 319.97 | 320.58 | 321.71 | 323.39 | 323.98 | 325.06 | 欠 | 0.13 |
| 28 | 316.09 | 319.88 | 319.02 | 319.61 | 319.99 | 320.60 | 321.76 | 323.62 | 324.04 | 325.03 | 欠 | 0.17 |
| 29 | 316.13 | 320.11 | 319.02 | 319.60 | 320.04 | 320.61 | 321.82 | 323.60 | 324.10 | 324.98 | 0.00 | 0.25 |
| 30 | 316.23 | | 319.01 | 319.58 | 320.12 | 320.64 | 321.82 | 323.63 | 324.12 | 325.02 | 欠 | 0.26 |
| 31 | 316.32 | | 319.04 | | 320.20 | | 321.84 | 323.51 | | 325.10 | | 0.27 |
| 月差 | 1.38 | 3.79 | -1.07 | 0.54 | 0.62 | 0.44 | 1.20 | 1.67 | 0.61 | 0.98 | **** | 0.27* |

屯田観測所

A 水位 深度 82.5m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | -0.470 | -0.097 | 0.059 | 0.151 | 0.738 | 0.943 | 0.916 | 0.662 | 0.636 | 0.598 | 0.665 | 0.782 |
| 2 | -0.461 | -0.065 | 0.068 | 0.156 | 0.743 | 0.947 | 0.905 | 0.653 | 0.623 | 0.602 | 0.685 | 0.783 |
| 3 | -0.458 | -0.045 | 0.080 | 0.164 | 0.756 | 0.946 | 0.897 | 0.648 | 0.611 | 0.599 | 0.689 | 0.788 |
| 4 | -0.439 | -0.050 | 0.061 | 0.169 | 0.786 | 0.961 | 0.888 | 0.633 | 0.602 | 0.594 | 0.683 | 0.801 |
| 5 | -0.419 | -0.048 | 0.054 | 0.180 | 0.788 | 0.945 | 0.880 | 0.621 | 0.602 | 0.588 | 0.695 | 0.819 |
| 6 | -0.400 | -0.035 | 0.053 | 0.205 | 0.795 | 0.934 | 0.877 | 0.621 | 0.602 | 0.600 | 0.692 | 0.817 |
| 7 | -0.384 | -0.027 | 0.056 | 0.217 | 0.800 | 0.938 | 0.862 | 0.615 | 0.607 | 0.622 | 0.696 | 0.800 |
| 8 | -0.349 | -0.023 | 0.056 | 0.237 | 0.801 | 0.924 | 0.859 | 0.614 | 0.604 | 0.610 | 0.704 | 0.793 |
| 9 | -0.322 | -0.004 | 0.053 | 0.255 | 0.799 | 0.937 | 0.874 | 0.608 | 0.609 | 0.596 | 0.716 | 0.808 |
| 10 | -0.306 | 0.031 | 0.051 | 0.285 | 0.809 | 0.937 | 0.866 | 0.600 | 0.625 | 0.599 | 0.728 | 0.810 |
| 11 | -0.288 | 0.028 | 0.060 | 0.322 | 0.821 | 0.923 | 0.869 | 0.592 | 0.626 | 0.614 | 0.735 | 0.827 |
| 12 | -0.289 | 0.034 | 0.083 | 0.364 | 0.857 | 0.920 | 0.869 | 0.595 | 0.660 | 0.632 | 0.741 | 0.819 |
| 13 | -0.281 | 0.038 | 0.082 | 0.400 | 0.913 | 0.923 | 0.862 | 0.600 | 0.654 | 0.636 | 0.740 | 0.795 |
| 14 | -0.269 | 0.040 | 0.079 | 0.433 | 0.895 | 0.934 | 0.855 | 0.595 | 0.639 | 0.628 | 0.733 | 0.776 |
| 15 | -0.252 | 0.038 | 0.087 | 0.454 | 0.890 | 0.932 | 0.855 | 0.590 | 0.636 | 0.620 | 0.723 | 0.762 |
| 16 | -0.242 | 0.035 | 0.090 | 0.470 | 0.907 | 0.934 | 0.843 | 0.591 | 0.637 | 0.615 | 0.724 | 0.763 |
| 17 | -0.234 | 0.034 | 0.084 | 0.487 | 0.913 | 0.946 | 0.845 | 0.589 | 0.629 | 0.615 | 0.726 | 0.751 |
| 18 | -0.216 | 0.047 | 0.087 | 0.512 | 0.926 | 0.952 | 0.835 | 0.582 | 0.614 | 0.624 | 0.723 | 0.734 |
| 19 | -0.215 | 0.054 | 0.090 | 0.551 | 0.929 | 0.953 | 0.849 | 0.581 | 0.616 | 0.616 | 0.722 | 0.707 |
| 20 | -0.202 | 0.054 | 0.088 | 0.581 | 0.942 | 0.956 | 0.817 | 0.574 | 0.633 | 0.616 | 0.723 | 0.704 |
| 21 | -0.193 | 0.048 | 0.090 | 0.585 | 0.941 | 0.955 | 0.808 | 0.571 | 0.632 | 0.630 | 0.727 | 0.690 |
| 22 | -0.159 | 0.047 | 0.112 | 0.610 | 0.938 | 0.952 | 0.793 | 0.564 | 0.628 | 0.629 | 0.728 | 0.681 |
| 23 | -0.138 | 0.063 | 0.145 | 0.627 | 0.937 | 0.948 | 0.780 | 0.559 | 0.625 | 0.624 | 0.731 | 0.668 |
| 24 | -0.135 | 0.057 | 0.140 | 0.636 | 0.922 | 0.947 | 0.757 | 0.545 | 0.622 | 0.623 | 0.782 | 0.672 |
| 25 | -0.132 | 0.053 | 0.143 | 0.643 | 0.927 | 0.945 | 0.738 | 0.543 | 0.622 | 0.628 | 0.818 | 0.680 |
| 26 | -0.125 | 0.055 | 0.147 | 0.663 | 0.934 | 0.942 | 0.721 | 0.570 | 0.621 | 0.633 | 0.809 | 0.675 |
| 27 | -0.120 | 0.060 | 0.152 | 0.673 | 0.936 | 0.941 | 0.714 | 0.577 | 0.612 | 0.638 | 0.799 | 0.671 |
| 28 | -0.114 | 0.060 | 0.153 | 0.683 | 0.941 | 0.933 | 0.708 | 0.582 | 0.600 | 0.670 | 0.791 | 0.668 |
| 29 | -0.105 | 0.055 | 0.150 | 0.702 | 0.942 | 0.927 | 0.700 | 0.609 | 0.593 | 0.680 | 0.788 | 0.652 |
| 30 | -0.100 | | 0.151 | 0.727 | 0.939 | 0.920 | 0.693 | 0.608 | 0.592 | 0.685 | 0.788 | 0.648 |
| 31 | -0.094 | | 0.151 | | 0.941 | | 0.678 | 0.609 | | 0.668 | | 0.614 |
| 平均 | -0.255 | 0.018 | 0.095 | 0.438 | 0.874 | 0.939 | 0.819 | 0.596 | 0.620 | 0.623 | 0.733 | 0.740 |

屯田観測所

B 水位 深度 130m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| 1 | -2.137 | -2.036 | -1.873 | -1.957 | -1.976 | -1.929 | -1.858 | -1.879 | -1.829 | -1.896 | -1.892 | -1.867 |
| 2 | -2.136 | -2.007 | -1.866 | -1.964 | -1.982 | -1.921 | -1.866 | -1.878 | -1.844 | -1.892 | -1.878 | -1.874 |
| 3 | -2.143 | -1.988 | -1.850 | -1.975 | -1.986 | -1.913 | -1.868 | -1.886 | -1.853 | -1.895 | -1.885 | -1.880 |
| 4 | -2.136 | -1.996 | -1.863 | -1.988 | -1.965 | -1.894 | -1.868 | -1.880 | -1.860 | -1.897 | -1.875 | -1.874 |
| 5 | -2.134 | -2.002 | -1.869 | -1.998 | -1.966 | -1.894 | -1.867 | -1.880 | -1.862 | -1.902 | -1.874 | -1.855 |
| 6 | -2.137 | -1.995 | -1.865 | -2.003 | -1.974 | -1.906 | -1.870 | -1.882 | -1.862 | -1.890 | -1.876 | -1.861 |
| 7 | -2.135 | -1.989 | -1.861 | -2.010 | -1.978 | -1.892 | -1.871 | -1.887 | -1.866 | -1.866 | -1.877 | -1.873 |
| 8 | -2.115 | -1.988 | -1.856 | -2.017 | -1.983 | -1.894 | -1.867 | -1.889 | -1.872 | 欠 | -1.878 | -1.875 |
| 9 | -2.104 | -1.952 | -1.857 | -2.017 | -1.987 | -1.884 | -1.850 | -1.893 | -1.862 | 欠 | -1.868 | -1.857 |
| 10 | -2.100 | -1.953 | -1.856 | -2.020 | -1.986 | -1.873 | -1.850 | -1.896 | -1.859 | 欠 | -1.856 | -1.859 |
| 11 | -2.092 | -1.949 | -1.853 | -2.029 | -1.982 | -1.878 | -1.847 | -1.898 | -1.856 | 欠 | -1.855 | -1.845 |
| 12 | -2.095 | -1.947 | -1.850 | -2.028 | -1.957 | -1.884 | -1.852 | -1.891 | -1.824 | 欠 | -1.854 | -1.851 |
| 13 | -2.094 | -1.936 | -1.841 | -2.010 | -1.915 | -1.868 | -1.861 | -1.884 | -1.843 | 欠 | -1.855 | -1.850 |
| 14 | -2.092 | -1.930 | -1.848 | -2.010 | -1.938 | -1.860 | -1.861 | -1.890 | -1.855 | -1.871 | -1.865 | -1.835 |
| 15 | -2.082 | -1.929 | -1.845 | -2.013 | -1.947 | -1.859 | -1.862 | -1.896 | -1.858 | -1.880 | -1.871 | -1.821 |
| 16 | -2.080 | -1.927 | -1.853 | -2.028 | -1.939 | -1.863 | -1.862 | -1.898 | -1.856 | -1.890 | -1.880 | -1.802 |
| 17 | -2.079 | -1.926 | -1.862 | -2.033 | -1.935 | -1.857 | -1.863 | -1.899 | -1.865 | -1.891 | -1.883 | -1.792 |
| 18 | -2.067 | -1.908 | -1.861 | -2.029 | -1.935 | -1.854 | -1.863 | -1.903 | -1.876 | -1.889 | -1.883 | -1.799 |
| 19 | -2.073 | -1.904 | -1.860 | -2.010 | -1.932 | -1.853 | -1.860 | -1.902 | -1.871 | -1.898 | -1.891 | -1.806 |
| 20 | -2.070 | -1.899 | -1.874 | -2.006 | -1.924 | -1.852 | -1.859 | -1.904 | -1.870 | -1.900 | -1.909 | -1.796 |
| 21 | -2.069 | -1.902 | -1.886 | -2.002 | -1.925 | -1.854 | -1.861 | -1.903 | -1.870 | -1.882 | -1.897 | -1.801 |
| 22 | -2.043 | -1.901 | -1.884 | -2.006 | -1.925 | -1.855 | -1.863 | -1.899 | -1.869 | -1.893 | -1.909 | -1.801 |
| 23 | -2.033 | -1.880 | -1.864 | -2.010 | -1.925 | -1.858 | -1.873 | -1.906 | -1.876 | -1.898 | -1.904 | -1.803 |
| 24 | -2.037 | -1.886 | -1.876 | -2.006 | -1.936 | -1.859 | -1.873 | -1.916 | -1.876 | -1.903 | -1.857 | -1.812 |
| 25 | -2.040 | -1.890 | -1.881 | -2.000 | -1.938 | -1.861 | -1.878 | -1.910 | -1.871 | -1.901 | -1.832 | -1.769 |
| 26 | -2.043 | -1.886 | -1.885 | -2.003 | -1.934 | -1.865 | -1.877 | -1.880 | -1.871 | -1.903 | -1.844 | -1.771 |
| 27 | -2.045 | -1.879 | -1.896 | -2.000 | -1.936 | -1.866 | -1.879 | -1.875 | -1.889 | -1.906 | -1.854 | -1.770 |
| 28 | -2.043 | -1.870 | -1.910 | -2.000 | -1.933 | -1.861 | -1.876 | -1.866 | -1.901 | -1.878 | -1.869 | -1.766 |
| 29 | -2.040 | -1.874 | -1.924 | -1.996 | -1.933 | -1.856 | -1.880 | -1.848 | -1.905 | -1.873 | -1.876 | -1.769 |
| 30 | -2.037 | | -1.934 | -1.976 | -1.934 | -1.856 | -1.875 | -1.844 | -1.902 | -1.872 | -1.872 | -1.767 |
| 31 | -2.033 | | -1.950 | | -1.935 | | -1.870 | -1.842 | | -1.889 | | -1.768 |
| 平均 | -2.082 | -1.935 | -1.872 | -2.004 | -1.949 | -1.873 | -1.865 | -1.887 | -1.865 | -1.890* | -1.873 | -1.821 |

屯田観測所

A 沈下

昭和 63年

1月--12月

単位 mm

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 30.71 | 30.30 | 31.35 | 28.27 | 27.16 | 27.43 | 28.40 | 30.04 | 29.34 | 29.77 | 29.93 | 29.06 |
| 2 | 30.75 | 30.16 | 31.31 | 28.15 | 27.29 | 27.45 | 28.50 | 30.04 | 29.35 | 29.83 | 30.00 | 29.14 |
| 3 | 30.70 | 30.24 | 31.35 | 27.96 | 27.26 | 27.43 | 28.57 | 30.07 | 29.34 | 29.90 | 30.00 | 29.13 |
| 4 | 30.66 | 30.30 | 31.46 | 27.82 | 27.27 | 27.42 | 28.62 | 30.15 | 29.39 | 29.98 | 29.94 | 29.07 |
| 5 | 30.65 | 30.32 | 31.48 | 27.70 | 27.30 | 27.57 | 28.70 | 30.27 | 29.42 | 30.02 | 29.82 | 29.10 |
| 6 | 30.65 | 30.34 | 31.43 | 27.66 | 27.33 | 27.51 | 28.77 | 30.30 | 29.40 | 29.98 | 29.73 | 29.12 |
| 7 | 30.58 | 30.33 | 31.40 | 27.64 | 27.38 | 27.57 | 28.94 | 30.35 | 29.40 | 29.83 | 29.84 | 29.14 |
| 8 | 30.56 | 30.43 | 31.44 | 27.58 | 27.47 | 27.59 | 28.96 | 30.37 | 29.47 | 29.76 | 29.81 | 29.11 |
| 9 | 30.60 | 30.51 | 31.41 | 27.55 | 27.48 | 27.54 | 28.95 | 30.38 | 29.46 | 29.70 | 29.56 | 29.11 |
| 10 | 30.65 | 30.64 | 31.45 | 27.53 | 27.49 | 27.37 | 29.03 | 30.46 | 29.45 | 29.71 | 29.51 | 29.14 |
| 11 | 30.66 | 30.75 | 31.35 | 27.45 | 27.50 | 27.38 | 29.08 | 30.49 | 29.41 | 29.59 | 29.46 | 29.17 |
| 12 | 30.70 | 30.75 | 31.08 | 27.39 | 27.34 | 27.38 | 29.09 | 30.51 | 29.08 | 29.62 | 29.40 | 29.22 |
| 13 | 30.66 | 30.79 | 30.77 | 27.33 | 26.89 | 27.40 | 29.16 | 30.55 | 29.11 | 29.67 | 29.42 | 29.22 |
| 14 | 30.64 | 30.84 | 30.49 | 27.31 | 26.89 | 27.34 | 29.25 | 30.59 | 29.09 | 29.66 | 29.48 | 29.07 |
| 15 | 30.70 | 30.82 | 30.36 | 27.34 | 26.84 | 27.19 | 29.24 | 30.66 | 29.08 | 29.70 | 29.51 | 28.96 |
| 16 | 30.69 | 30.88 | 30.33 | 27.36 | 26.82 | 27.18 | 29.29 | 30.74 | 29.13 | 29.79 | 29.51 | 29.06 |
| 17 | 30.69 | 30.89 | 30.26 | 27.35 | 26.78 | 27.17 | 29.34 | 30.74 | 29.20 | 29.75 | 29.54 | 29.17 |
| 18 | 30.71 | 30.93 | 30.15 | 27.29 | 26.79 | 27.15 | 29.40 | 30.77 | 29.20 | 29.82 | 29.62 | 29.20 |
| 19 | 30.79 | 31.01 | 30.01 | 27.22 | 26.79 | 27.15 | 29.44 | 30.80 | 29.20 | 29.88 | 29.69 | 29.28 |
| 20 | 30.76 | 31.06 | 30.01 | 27.15 | 26.83 | 27.15 | 29.45 | 30.85 | 29.22 | 29.85 | 29.74 | 29.27 |
| 21 | 30.72 | 31.18 | 29.93 | 27.16 | 26.87 | 27.18 | 29.46 | 30.89 | 29.30 | 29.90 | 29.75 | 29.37 |
| 22 | 30.59 | 31.19 | 29.70 | 27.13 | 26.95 | 27.20 | 29.56 | 30.95 | 29.33 | 29.95 | 29.79 | 29.43 |
| 23 | 30.36 | 31.18 | 29.53 | 27.14 | 27.03 | 27.25 | 29.63 | 31.05 | 29.33 | 29.98 | 29.74 | 29.43 |
| 24 | 30.32 | 31.29 | 29.45 | 27.21 | 27.11 | 27.50 | 29.70 | 31.13 | 29.40 | 30.06 | 29.22 | 29.45 |
| 25 | 30.25 | 31.31 | 29.33 | 27.24 | 27.16 | 27.62 | 29.79 | 31.18 | 29.40 | 30.07 | 28.95 | 29.52 |
| 26 | 30.28 | 31.32 | 29.20 | 27.20 | 27.12 | 27.72 | 29.84 | 30.98 | 29.47 | 30.13 | 28.92 | 29.61 |
| 27 | 30.24 | 31.31 | 29.01 | 27.26 | 27.18 | 27.78 | 29.90 | 30.87 | 29.58 | 30.13 | 28.97 | 29.63 |
| 28 | 30.24 | 31.33 | 28.86 | 27.26 | 27.24 | 27.86 | 29.89 | 30.62 | 29.67 | 30.04 | 29.02 | 29.70 |
| 29 | 30.23 | 31.36 | 28.69 | 27.24 | 27.32 | 27.92 | 29.94 | 30.13 | 29.75 | 29.98 | 29.01 | 29.76 |
| 30 | 30.25 | | 28.54 | 27.24 | 27.37 | 28.24 | 29.97 | 29.86 | 29.74 | 29.96 | 29.03 | 29.81 |
| 31 | 30.26 | | 28.42 | | 27.39 | | 29.98 | 29.61 | | 30.04 | | 29.88 |
| 月差 | -0.59 | 1.10 | -2.94 | -1.18 | 0.15 | 0.85 | 1.74 | -0.37 | 0.13 | 0.30 | -1.01 | 0.85 |

樽川観測所

A 水位 深度 87m

昭和 63年

1月 --12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | -0.585 | -0.503 | -0.395 | -0.468 | -0.313 | -0.250 | -0.255 | 欠 | -0.490 | -0.604 | -0.510 | -0.362 |
| 2 | -0.585 | -0.481 | -0.394 | -0.473 | -0.319 | -0.248 | -0.258 | 欠 | -0.501 | 欠 | -0.491 | -0.370 |
| 3 | -0.590 | -0.454 | -0.386 | -0.478 | -0.319 | -0.236 | -0.258 | 欠 | -0.510 | -0.600* | -0.487 | -0.377 |
| 4 | -0.580 | -0.452 | -0.403 | -0.487 | -0.293 | -0.218 | -0.260 | 欠 | -0.519 | -0.603 | -0.490 | -0.371 |
| 5 | -0.575 | -0.449 | -0.411 | -0.493 | -0.291 | -0.221 | -0.260 | 欠 | -0.522 | -0.607 | -0.478 | -0.354 |
| 6 | -0.573 | -0.431 | -0.413 | -0.487 | -0.289 | -0.229 | -0.260 | 欠 | -0.523 | -0.592 | -0.477 | -0.361 |
| 7 | -0.567 | -0.420 | -0.411 | -0.486 | -0.287 | -0.223 | -0.261 | 欠 | -0.529 | -0.565 | -0.476 | -0.371 |
| 8 | -0.546 | -0.417 | -0.411 | -0.483 | -0.285 | -0.226 | -0.258 | 欠 | -0.540 | -0.578 | -0.474 | 欠 |
| 9 | -0.531 | -0.406 | -0.418 | -0.475 | -0.284 | 欠 | -0.240 | 欠 | -0.533 | -0.586 | -0.460 | 欠 |
| 10 | -0.528 | -0.380 | -0.423 | -0.473 | -0.278 | 欠 | -0.245 | 欠 | -0.534 | -0.580 | -0.442 | 欠 |
| 11 | -0.519 | -0.381 | -0.423 | -0.472 | -0.271 | 欠 | -0.245 | 欠 | -0.537 | -0.571* | -0.436 | 欠 |
| 12 | -0.526 | -0.385 | -0.402 | -0.466 | -0.243 | 欠 | -0.247 | 欠 | -0.501 | 欠 | -0.430 | 欠 |
| 13 | -0.534 | -0.385 | -0.407 | -0.449 | -0.191 | 欠 | -0.252 | 欠 | -0.515 | 欠 | -0.423 | 欠 |
| 14 | -0.540 | -0.386 | -0.414 | -0.442 | -0.212 | 欠 | -0.255 | 欠 | -0.527 | -0.447 | -0.425 | 欠 |
| 15 | -0.538 | -0.392 | -0.408 | -0.439 | -0.219 | 欠 | -0.256 | 欠 | -0.530 | -0.438 | -0.431 | 欠 |
| 16 | -0.543 | -0.394 | -0.410 | -0.442 | -0.215 | 欠 | -0.260 | 欠 | -0.529 | -0.430 | -0.432 | 欠 |
| 17 | -0.548 | -0.390 | -0.419 | -0.440 | -0.215 | 欠 | -0.264 | 欠 | -0.540 | -0.430 | -0.432 | 欠 |
| 18 | -0.542 | -0.368 | -0.420 | -0.428 | -0.217 | 欠 | -0.271 | 欠 | -0.554 | -0.435 | -0.435 | 欠 |
| 19 | -0.546 | -0.356 | -0.419 | -0.413 | -0.228 | 欠 | -0.278 | 欠 | -0.554 | -0.429 | -0.437 | 欠 |
| 20 | -0.534 | -0.354 | -0.425 | -0.407 | -0.228 | 欠 | -0.280 | -0.532 | -0.556* | -0.430 | -0.440 | 欠 |
| 21 | -0.525 | -0.352 | -0.436 | -0.420 | -0.238 | 欠 | -0.289 | -0.535 | -0.568 | -0.442 | -0.441 | 欠 |
| 22 | -0.494 | -0.354 | -0.431 | -0.410 | -0.245 | 欠 | -0.309 | -0.538 | -0.575 | -0.442 | 欠 | -0.430 |
| 23 | -0.479 | -0.340 | -0.408 | -0.398 | 欠 | -0.211 | -0.325 | -0.541 | -0.578 | -0.442 | 欠 | 欠 |
| 24 | -0.479 | -0.355 | -0.416 | -0.390 | 欠 | -0.213 | -0.342 | -0.554 | -0.581 | -0.441 | 欠 | 欠 |
| 25 | -0.479 | -0.370 | -0.421 | -0.388 | 欠 | -0.220 | -0.354 | -0.555 | -0.580 | -0.444 | 欠 | -0.166 |
| 26 | -0.480 | -0.377 | -0.425 | -0.372 | -0.258 | -0.226 | -0.365 | -0.530 | -0.581 | -0.447 | 欠 | -0.161 |
| 27 | -0.486 | -0.379 | -0.427 | -0.366 | -0.255 | -0.233 | -0.375 | -0.528 | -0.590* | -0.450 | 欠 | -0.162 |
| 28 | -0.491 | -0.380 | -0.435 | -0.354* | -0.250 | -0.238 | -0.382 | -0.519 | 欠 | -0.479 | 欠 | -0.158 |
| 29 | -0.494 | -0.389 | -0.442 | -0.334 | -0.245 | -0.241 | -0.392 | -0.493 | 欠 | -0.503 | -0.369 | -0.159 |
| 30 | -0.495 | 欠 | -0.450 | -0.313 | -0.250 | -0.246 | -0.398 | -0.494 | 欠 | -0.497 | -0.363 | -0.155 |
| 31 | -0.497 | 欠 | -0.459 | 欠 | -0.252 | 欠 | 欠 | -0.497 | 欠 | -0.512 | 欠 | -0.157 |
| 平均 | -0.529 | -0.395 | -0.418 | -0.431* | -0.256* | -0.229* | -0.289* | -0.526* | -0.540* | -0.500* | -0.446* | -0.263* |

樽川観測所

B 水位 深度 200m

昭和 63年

1月 --12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| 1 | -3.624 | -3.383 | -3.469 | 欠 | -3.664 | -3.754 | -3.865 | 欠 | -4.140 | -4.211 | -4.144 | -4.080 |
| 2 | -3.638 | -3.351 | -3.493 | 欠 | -3.684 | -3.748 | -3.855 | 欠 | -4.156 | -4.190 | -4.170 | -4.089 |
| 3 | -3.636 | -3.318 | -3.489 | 欠 | -3.691 | -3.732 | -3.864 | 欠 | -4.182 | -4.182 | -4.184 | -4.107 |
| 4 | -3.623 | -3.337 | -3.517 | 欠 | -3.660 | -3.703 | -3.875 | 欠 | -4.200 | -4.183 | -4.185 | -4.110 |
| 5 | -3.611 | -3.372 | -3.546 | 欠 | -3.654 | -3.697 | -3.876 | 欠 | -4.206 | -4.193 | -4.168 | -4.074 |
| 6 | -3.613 | -3.383 | -3.565 | 欠 | -3.654 | -3.725 | -3.883 | 欠 | -4.196 | -4.174 | -4.159 | -4.072 |
| 7 | -3.618 | -3.388 | -3.570 | 欠 | -3.669 | -3.731 | -3.888 | 欠 | -4.192 | -4.139 | -4.157 | -4.089 |
| 8 | -3.591 | -3.397 | -3.578 | 欠 | -3.683 | -3.736 | -3.880 | -4.162* | -4.198 | -4.150 | -4.162 | -4.100 |
| 9 | -3.559 | -3.403 | -3.587 | 欠 | -3.704 | -3.731 | -3.854 | -4.177 | -4.188 | -4.168 | -4.150 | -4.072 |
| 10 | -3.553 | -3.372 | -3.595 | 欠 | -3.718 | -3.722 | -3.849 | -4.187 | -4.189 | -4.167 | -4.117 | -4.047 |
| 11 | -3.559 | -3.368 | -3.593 | 欠 | -3.721 | -3.728 | -3.851 | -4.201 | -4.188 | -4.156 | -4.101 | -3.998 |
| 12 | -3.572 | -3.367 | -3.554 | 欠 | -3.694 | -3.733 | -3.865 | -4.221 | -4.135 | -4.128 | -4.084 | -3.991 |
| 13 | -3.562 | -3.348 | 欠 | 欠 | -3.638 | -3.736 | -3.874 | -4.215 | -4.140 | -4.104 | -4.067 | -3.990 |
| 14 | -3.540 | -3.320 | 欠 | 欠 | -3.661 | -3.729 | -3.884 | -4.217 | -4.166 | -4.101 | -4.065 | -3.963 |
| 15 | -3.502 | -3.327 | 欠 | 欠 | -3.695 | -3.732 | -3.888 | -4.213 | -4.180 | -4.110 | -4.084 | -3.926 |
| 16 | -3.465 | -3.347 | 欠 | 欠 | -3.709 | -3.739 | -3.898 | -4.208 | -4.179 | -4.123 | -4.099 | -3.894 |
| 17 | -3.448 | -3.362 | 欠 | 欠 | -3.698 | -3.731 | -3.909 | -4.205 | -4.187 | -4.126 | -4.107 | -3.892 |
| 18 | -3.419 | -3.366 | 欠 | 欠 | -3.662 | -3.728 | -3.940 | -4.202 | -4.207 | -4.120 | -4.119 | -3.902 |
| 19 | -3.429 | -3.377 | 欠 | 欠 | -3.632 | -3.734 | -3.943 | -4.198 | -4.204 | -4.127 | -4.134 | -3.923 |
| 20 | -3.448 | -3.395 | 欠 | 欠 | -3.596 | -3.749 | -3.937 | -4.198 | -4.190 | -4.132 | -4.152 | -3.913 |
| 21 | -3.468 | -3.426 | 欠 | 欠 | -3.590 | 欠 | -3.960 | -4.209 | -4.185 | -4.117 | -4.158 | -3.905 |
| 22 | -3.451 | -3.458 | 欠 | 欠 | -3.587 | 欠 | -3.989 | -4.208 | -4.187 | -4.115 | -4.166 | -3.907 |
| 23 | -3.427 | -3.443 | 欠 | 欠 | -3.600 | 欠 | -4.013 | -4.204 | -4.187 | -4.107 | -4.163 | -3.917 |
| 24 | -3.425 | -3.425 | 欠 | 欠 | -3.618 | 欠 | -4.041 | -4.221 | -4.187 | -4.112 | -4.089 | -3.907 |
| 25 | -3.440 | -3.412 | 欠 | 欠 | -3.640 | 欠 | -4.064 | -4.223 | -4.191 | -4.119 | -4.018 | -3.897 |
| 26 | -3.453 | -3.392 | 欠 | 欠 | -3.646 | 欠 | -4.081 | -4.200 | -4.179 | -4.120 | -4.020 | -3.903 |
| 27 | -3.451 | -3.369 | 欠 | 欠 | -3.657 | 欠 | -4.096 | -4.202 | -4.186 | -4.122 | -4.038 | -3.913 |
| 28 | -3.440 | -3.380 | 欠 | 欠 | -3.669 | 欠 | -4.091 | -4.192 | -4.208 | -4.093 | -4.065 | -3.910 |
| 29 | -3.422 | -3.427 | 欠 | 欠 | -3.665 | 欠 | -4.093 | -4.163 | -4.225 | -4.081 | -4.084 | -3.919 |
| 30 | -3.401 | 欠 | 欠 | 欠 | -3.657 | 欠 | 欠 | -4.160 | -4.228 | -4.073 | -4.083 | -3.933 |
| 31 | -3.388 | 欠 | 欠 | 欠 | -3.744 | 欠 | 欠 | -4.152 | 欠 | -4.104 | 欠 | -3.955 |
| 平均 | -3.508 | -3.379 | -3.546* | -3.661* | -3.665 | -3.730* | -3.934* | -4.197* | -4.186 | -4.133 | -4.116 | -3.977 |

樽川観測所

A沈下

昭和 63年

1月--12月

単位 mm

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|------|-------|------|------|------|------|------|-------|------|-------|-------|
| 1 | 5.95 | 5.95 | 6.03 | 5.50 | 5.56 | 5.74 | 5.80 | 6.11 | 6.12 | 6.12 | 6.15 | 5.82 |
| 2 | 5.97 | 5.92 | 6.04 | 5.48 | 5.60 | 5.75 | 5.81 | 6.11 | 6.12 | 6.13 | 6.13 | 5.82 |
| 3 | 5.96 | 5.94 | 6.02 | 5.43 | 5.60 | 5.73 | 5.82 | 6.14 | 6.11 | 6.15 | 6.15 | 5.83 |
| 4 | 5.96 | 5.95 | 6.03 | 5.41 | 5.62 | 5.73 | 5.77 | 6.17 | 6.12 | 6.16 | 6.17 | 5.80 |
| 5 | 5.97 | 5.95 | 6.03 | 5.35 | 5.64 | 5.76 | 5.85 | 6.18 | 6.12 | 6.17 | 6.13 | 5.82 |
| 6 | 5.96 | 5.97 | 6.04 | 5.34 | 5.62 | 5.72 | 5.83 | 6.21 | 6.13 | 6.18 | 6.15 | 5.81 |
| 7 | 5.93 | 5.94 | 6.01 | 5.33 | 5.66 | 5.78 | 5.86 | 6.20 | 6.13 | 6.15 | 6.18 | 5.80 |
| 8 | 5.94 | 5.93 | 6.02 | 5.31 | 5.67 | 5.76 | 5.86 | 6.17 | 6.14 | 6.18 | 6.19 | 5.79 |
| 9 | 5.95 | 5.95 | 6.04 | 5.32 | 5.65 | 5.73 | 5.85 | 6.18 | 6.12 | 6.19 | 6.18 | 5.80 |
| 10 | 5.97 | 5.98 | 6.01 | 5.31 | 5.64 | 5.68 | 5.87 | 6.20 | 6.11 | 6.16 | 6.16 | 5.81 |
| 11 | 5.96 | 5.97 | 5.98 | 5.28 | 5.68 | 5.73 | 5.84 | 6.20 | 6.13 | 6.16 | 6.14 | 5.81 |
| 12 | 5.96 | 5.99 | 5.95 | 5.31 | 5.60 | 5.71 | 5.84 | 6.20 | 6.06 | 6.17 | 6.13 | 5.82 |
| 13 | 5.95 | 6.01 | 5.90 | 5.30 | 5.51 | 5.71 | 5.85 | 6.22 | 6.06 | 6.17 | 6.12 | 5.80 |
| 14 | 5.93 | 6.01 | 5.87 | 5.35 | 5.54 | 5.67 | 5.86 | 6.22 | 6.05 | 6.15 | 6.13 | 5.79 |
| 15 | 5.95 | 6.01 | 5.88 | 5.39 | 5.54 | 5.67 | 5.89 | 6.23 | 6.06 | 6.17 | 6.14 | 5.79 |
| 16 | 5.95 | 6.02 | 5.87 | 5.41 | 5.54 | 5.67 | 5.87 | 6.22 | 6.06 | 6.21 | 6.11 | 5.78 |
| 17 | 5.96 | 6.01 | 5.86 | 5.42 | 5.56 | 5.65 | 5.87 | 6.22 | 6.00 | 6.16 | 6.12 | 5.80 |
| 18 | 5.96 | 6.01 | 5.84 | 5.45 | 5.59 | 5.64 | 5.91 | 6.21 | 5.95 | 6.19 | 6.14 | 5.81 |
| 19 | 5.97 | 6.03 | 5.79 | 5.40 | 5.58 | 5.65 | 5.91 | 6.21 | 5.97 | 6.17 | 6.13 | 5.80 |
| 20 | 5.94 | 6.04 | 5.81 | 5.45 | 5.60 | 5.66 | 5.89 | 6.22 | 5.96 | 6.18 | 6.13 | 5.79 |
| 21 | 5.94 | 6.02 | 5.80 | 5.47 | 5.63 | 5.67 | 5.91 | 6.21 | 5.96 | 6.21 | 6.15 | 5.80 |
| 22 | 5.93 | 6.05 | 5.82 | 5.49 | 5.64 | 5.70 | 5.93 | 6.24 | 5.93 | 6.21 | 6.16 | 5.80 |
| 23 | 5.94 | 6.04 | 5.77 | 5.52 | 5.65 | 5.70 | 5.94 | 6.24 | 5.98 | 6.21 | 6.13 | 5.80 |
| 24 | 5.93 | 6.04 | 5.76 | 5.51 | 5.67 | 5.72 | 5.94 | 6.22 | 6.02 | 6.21 | 5.84 | 5.79 |
| 25 | 5.95 | 6.03 | 5.73 | 5.55 | 5.68 | 5.73 | 5.97 | 6.23 | 6.05 | 6.23 | 5.79 | 5.79 |
| 26 | 5.94 | 6.04 | 5.69 | 5.52 | 5.70 | 5.75 | 6.00 | 6.19 | 6.05 | 6.25 | 5.79 | 5.82 |
| 27 | 5.93 | 6.05 | 5.65 | 5.52 | 5.69 | 5.77 | 6.00 | 6.21 | 6.08 | 6.24 | 5.80 | 5.81 |
| 28 | 5.94 | 6.04 | 5.60 | 5.56 | 5.71 | 5.77 | 6.04 | 6.19 | 6.09 | 6.24 | 5.81 | 5.81 |
| 29 | 5.95 | 6.05 | 5.56 | 5.57 | 5.72 | 5.79 | 6.04 | 6.16 | 6.10 | 6.26 | 5.81 | 5.79 |
| 30 | 5.94 | | 5.53 | 5.56 | 5.73 | 5.80 | 6.06 | 6.13 | 6.12 | 6.25 | 5.81 | 5.81 |
| 31 | 5.94 | | 5.51 | | 5.73 | | 6.06 | 6.13 | | 6.23 | | 5.79 |
| 月差 | -0.05 | 0.11 | -0.54 | 0.05 | 0.17 | 0.07 | 0.26 | 0.07 | -0.01 | 0.11 | -0.42 | -0.02 |

分部越観測所

A 水位 深度 200m

昭和 63年

1月 --12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| 1 | 欠 | -1.805 | -1.844 | -1.957 | -1.934 | -2.048 | -2.035 | -2.143 | -2.163 | -2.280 | -2.260 | -2.200 |
| 2 | 欠 | -1.722 | -1.819 | -1.944 | -1.949 | -2.021 | -2.046 | -2.150 | -2.200 | -2.246 | -2.202 | -2.217 |
| 3 | 欠 | -1.627 | -1.728 | -1.926 | -1.853 | -1.999 | -2.059 | -2.120 | -2.236 | 欠 | -2.192 | -2.261 |
| 4 | 欠 | -1.684 | -1.782 | -1.916 | -1.911 | -1.940 | -2.080 | -2.132 | -2.277 | 欠 | -2.230 | -2.234 |
| 5 | 欠 | -1.732 | -1.829 | -1.918 | -1.917 | -1.948 | -2.090 | -2.157 | -2.266 | 欠 | -2.207 | -2.144 |
| 6 | 欠 | -1.717 | -1.833 | -1.891 | -1.926 | -2.005 | -2.089 | -2.179 | -2.241 | 欠 | -2.210 | -2.146 |
| 7 | -1.861 | -1.706 | -1.813 | -1.943 | -1.959 | -1.983 | -2.085 | -2.194 | -2.236 | 欠 | -2.190 | -2.205 |
| 8 | -1.787 | -1.728 | -1.804 | -1.956 | -1.987 | -1.996 | -2.070 | -2.198 | -2.248 | 欠 | -2.254 | -2.233 |
| 9 | -1.739 | -1.756 | -1.810 | -1.940 | -2.012 | -1.976 | -2.014 | -2.197 | -2.246 | 欠 | -2.227 | -2.166 |
| 10 | -1.784 | -1.751 | -1.812 | -1.954 | -2.025 | -1.980 | -2.020 | -2.210 | -2.244 | 欠 | -2.168 | -2.139 |
| 11 | -1.798 | -1.788 | -1.799 | -1.971 | -2.006 | -1.992 | -2.043 | -2.231 | -2.240 | 欠 | -2.145 | -2.135 |
| 12 | -1.851 | -1.692 | -1.689 | -1.938 | -1.966 | -2.011 | -2.073 | -2.220 | -2.137 | 欠 | -2.134 | -2.192 |
| 13 | -1.860 | -1.765 | -1.699 | -1.916 | -1.847 | -1.985 | -2.104 | -2.203 | -2.182 | 欠 | -2.106 | -2.211 |
| 14 | -1.848 | -1.737 | -1.747 | -1.908 | -1.941 | -1.978 | -2.120 | -2.217 | -2.257 | 欠 | -2.118 | -2.140 |
| 15 | -1.792 | -1.762 | -1.725 | -1.935 | -2.016 | -1.994 | -2.113 | -2.234 | -2.274 | 欠 | -2.187 | 欠 |
| 16 | -1.794 | -1.776 | -1.766 | -1.996 | -2.018 | -2.007 | -2.120 | -2.228 | -2.248 | -2.221 | -2.215 | 欠 |
| 17 | -1.798 | -1.779 | -1.847 | -2.027 | -2.018 | -1.999 | -2.138 | -2.220 | -2.266 | -2.241 | -2.229 | 欠 |
| 18 | -1.768 | -1.771 | -1.855 | -2.015 | -1.991 | -2.006 | -2.136 | -2.212 | -2.316 | -2.212 | -2.256 | -2.131* |
| 19 | -1.824 | -1.763 | -1.818 | -1.940 | -1.982 | -2.022 | -2.125 | -2.204 | -2.293 | -2.247 | -2.283 | -2.170 |
| 20 | -1.841 | -1.784 | -1.841 | -1.897 | -1.944 | -2.033 | -2.121 | -2.202 | -2.245 | -2.271 | -2.293 | -2.141 |
| 21 | -1.851 | -1.822 | -1.918 | -1.958 | -1.958 | -2.054 | -2.125 | -2.190 | -2.243 | -2.223 | -2.290 | -2.110* |
| 22 | -1.755 | -1.871 | -1.923 | -1.941 | -1.975 | -2.065 | -2.144 | -2.164 | -2.262 | -2.210 | -2.296 | 欠 |
| 23 | -1.671 | -1.786 | -1.844 | -1.920 | -1.975 | -2.072 | -2.155 | -2.182 | -2.265 | -2.203 | -2.284 | -2.176* |
| 24 | -1.688 | -1.788 | -1.834 | -1.927 | -2.030 | -2.062 | -2.177 | -2.205 | -2.270 | -2.239 | -2.158 | -2.146 |
| 25 | -1.732 | -1.818 | -1.861 | -1.972 | -2.070 | -2.083 | -2.195 | -2.225 | -2.276 | -2.245 | -2.068 | 欠 |
| 26 | -1.767 | -1.812 | -1.873 | -1.970 | -2.055 | -2.105 | -2.198 | -2.220 | -2.247 | -2.230 | -2.092 | 欠 |
| 27 | -1.800 | -1.799 | -1.874 | -1.983 | -2.060 | -2.110 | -2.188 | -2.220 | -2.272 | -2.189 | -2.159 | 欠 |
| 28 | -1.792 | -1.773 | -1.885 | -1.996 | -2.062 | -2.101 | -2.164 | -2.195 | -2.317 | -2.182 | -2.227 | 欠 |
| 29 | -1.779 | -1.808 | -1.917 | -1.982 | -2.045 | -2.082 | -2.172 | -2.189 | -2.349 | -2.144 | -2.249 | 欠 |
| 30 | -1.781 | | -1.952 | -1.930 | -2.056 | -2.044 | -2.163 | -2.175 | -2.341 | -2.121 | -2.218 | -2.207 |
| 31 | -1.786 | | -1.957 | | -2.066 | | -2.137 | -2.168 | | -2.205 | | -2.232 |
| 平均 | -1.789* | -1.762 | -1.828 | -1.948 | -1.985 | -2.023 | -2.112 | -2.193 | -2.255 | -2.217* | -2.204 | -2.178* |

石狩No. 1 観測所

水位 深度 200m

| 昭和 63年 | 1月 --12月 | | | | | | | | | | | |
|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
| 1 | -3.451 | -3.161 | -3.292 | -3.528 | -3.490 | -3.582 | -3.668 | -3.907 | -3.936 | -3.979 | -3.957 | -3.865 |
| 2 | -3.449 | -3.158 | -3.311 | -3.531 | -3.501 | -3.568 | -3.671 | -3.915 | -3.955 | -3.949 | -3.967 | -3.877 |
| 3 | -3.476 | -3.127 | -3.281 | -3.537 | -3.523 | -3.558 | -3.677 | -3.901 | -3.984 | -3.938 | -3.969 | -3.907 |
| 4 | -3.466 | -3.182 | -3.318 | -3.541 | -3.485 | -3.519 | -3.690 | -3.897 | -4.004 | -3.949 | -3.975 | -3.902 |
| 5 | -3.458 | -3.240 | -3.355 | -3.548 | -3.480 | -3.512 | -3.706 | -3.911 | -4.001 | -3.964 | -3.952 | -3.850 |
| 6 | -3.474 | -3.248 | -3.373 | -3.524 | -3.484 | -3.560 | -3.715 | -3.930 | -3.980 | -3.949 | -3.945 | -3.851 |
| 7 | -3.479 | -3.251 | -3.371 | -3.546 | -3.504 | -3.556 | -3.718 | -3.940 | -3.973 | -3.896 | -3.934 | -3.881 |
| 8 | -3.437 | -3.259 | -3.374 | -3.553 | -3.526 | -3.564 | -3.707 | -3.950 | -3.980 | -3.917 | -3.956 | -3.894 |
| 9 | -3.400 | -3.232 | -3.382 | -3.540 | -3.556 | -3.555 | -3.676 | -3.961 | -3.975 | -3.943 | -3.940 | -3.852 |
| 10 | -3.415 | -3.180 | -3.394 | -3.543 | -3.569 | -3.554 | -3.677 | -3.971 | -3.972 | -3.944 | -3.893 | -3.840 |
| 11 | -3.416 | -3.175 | -3.395 | -3.561 | -3.565 | -3.568 | -3.680 | -3.991 | -3.971 | -3.934 | -3.875 | -3.817 |
| 12 | -3.400 | -3.159 | -3.337 | -3.557 | -3.532 | -3.573 | -3.697 | -4.013 | -3.901 | -3.887 | -3.862 | -3.838 |
| 13 | -3.364 | -3.127 | -3.327 | -3.523 | -3.452 | -3.562 | -3.718 | -4.001 | -3.911 | -3.858 | -3.842 | -3.840 |
| 14 | -3.329 | -3.096 | -3.358 | -3.516 | -3.500 | -3.561 | -3.734 | -3.999 | -3.955 | -3.856 | -3.839 | -3.797 |
| 15 | -3.269 | -3.131 | -3.348 | -3.525 | -3.545 | -3.571 | -3.735 | -4.005 | -3.963 | -3.872 | -3.869 | -3.740 |
| 16 | -3.238 | -3.180 | -3.364 | -3.556 | -3.537 | -3.580 | -3.749 | -3.999 | -3.953 | -3.899 | -3.887 | -3.730 |
| 17 | -3.221 | -3.218 | -3.421 | -3.583 | -3.489 | -3.573 | -3.758 | -4.000 | -3.959 | -3.914 | -3.896 | -3.734 |
| 18 | -3.187 | -3.235 | -3.438 | -3.571 | -3.433 | -3.573 | -3.770 | -4.004 | -3.986 | -3.895 | -3.911 | -3.751 |
| 19 | -3.249 | -3.248 | -3.424 | -3.477 | -3.392 | -3.582 | -3.774 | -4.007 | -3.978 | -3.908 | -3.930 | -3.775 |
| 20 | -3.294 | -3.271 | -3.431 | -3.399 | -3.344 | -3.592 | -3.773 | -4.006 | -3.955 | -3.919 | -3.945 | -3.759 |
| 21 | -3.322 | -3.305 | -3.471 | -3.454 | -3.339 | -3.611 | -3.784 | -3.998 | -3.947 | -3.890 | -3.950 | -3.746 |
| 22 | -3.288 | -3.341 | -3.472 | -3.479 | -3.340 | -3.628 | -3.803 | -3.987 | -3.952 | -3.884 | -3.957 | -3.750 |
| 23 | -3.251 | -3.265 | -3.422 | -3.474 | -3.371 | -3.640 | -3.822 | -3.977 | -3.952 | -3.878 | -3.950 | -3.770 |
| 24 | -3.263 | -3.223 | -3.414 | -3.473 | -3.432 | -3.645 | -3.846 | -4.005 | -3.955 | -3.900 | -3.851 | -3.758 |
| 25 | -3.286 | -3.209 | -3.427 | -3.498 | -3.472 | -3.657 | -3.866 | -4.002 | -3.962 | -3.904 | -3.780 | -3.741 |
| 26 | -3.273 | -3.183 | -3.439 | -3.499 | -3.481 | -3.671 | -3.886 | -3.988 | -3.949 | -3.897 | -3.801 | -3.741 |
| 27 | -3.253 | -3.165 | -3.441 | -3.509 | -3.496 | -3.683 | -3.894 | -3.993 | -3.958 | -3.909 | -3.828 | -3.768 |
| 28 | -3.226 | -3.189 | -3.448 | -3.519 | -3.511 | -3.687 | -3.878 | -3.977 | -3.990 | -3.870 | -3.869 | -3.752 |
| 29 | -3.197 | -3.242 | -3.471 | -3.515 | -3.520 | -3.678 | -3.886 | -3.950 | -4.010 | -3.856 | -3.885 | -3.773 |
| 30 | -3.174 | | -3.503 | -3.487 | -3.548 | -3.670 | -3.891 | -3.948 | -4.010 | -3.842 | -3.874 | -3.796 |
| 31 | -3.163 | | -3.517 | | -3.582 | | -3.899 | -3.943 | | -3.892 | | -3.814 |
| 平均 | -3.328 | -3.206 | -3.397 | -3.518 | -3.483 | -3.594 | -3.766 | -3.970 | -3.965 | -3.906 | -3.902 | -3.803 |

山口観測所

A 水位 深度 35m

昭和 63年

1月 --12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 1 | 2.116 | 2.165 | 2.103 | 2.263 | 2.517 | 2.355 | 2.352 | 2.209 | 2.134 | 2.093 | 2.081 | 2.326 |
| 2 | 2.130 | 2.263 | 2.144 | 2.299 | 2.480 | 2.376 | 2.329 | 2.200 | 2.117 | 2.120 | 2.179 | 2.299 |
| 3 | 2.093 | 2.353 | 2.228 | 2.342 | 2.448 | 2.408 | 2.321 | 2.241 | 2.086 | 2.117 | 2.184 | 2.270 |
| 4 | 2.115 | 2.288 | 2.170 | 2.430 | 2.523 | 2.468 | 2.309 | 2.228 | 2.064 | 2.096 | 2.130 | 2.304 |
| 5 | 2.135 | 2.230 | 2.117 | 2.417 | 2.506 | 2.460 | 2.309 | 2.187 | 2.069 | 2.077 | 2.155 | 2.395 |
| 6 | 2.127 | 2.251 | 2.119 | 2.442 | 2.475 | 2.388 | 2.310 | 2.154 | 2.097 | 2.128 | 2.155 | 2.379 |
| 7 | 2.129 | 2.268 | 2.149 | 2.444 | 2.441 | 2.422 | 2.308 | 2.142 | 2.106 | 2.216 | 2.156 | 2.319 |
| 8 | 2.207 | 2.227 | 2.158 | 2.446 | 2.414 | 2.409 | 2.314 | 2.130 | 2.092 | 2.151 | 2.101 | 2.292 |
| 9 | 2.249 | 2.182 | 2.142 | 2.480 | 2.373 | 2.420 | 2.355 | 2.130 | 2.089 | 2.094 | 2.133 | 2.365 |
| 10 | 2.209 | 2.174 | 2.127 | 2.449 | 2.360 | 2.412 | 2.340 | 2.119 | 2.103 | 2.083 | 2.192 | 2.371 |
| 11 | 2.191 | 2.146 | 2.148 | 2.475 | 2.377 | 2.385 | 2.317 | 2.116 | 2.119 | 2.112 | 2.219 | 2.362 |
| 12 | 2.144 | 2.137 | 2.256 | 2.476 | 2.441 | 2.371 | 2.285 | 2.129 | 2.207 | 2.211 | 2.239 | 2.312 |
| 13 | 2.134 | 2.154 | 2.238 | 2.554 | 2.564 | 2.391 | 2.258 | 2.143 | 2.174 | 2.252 | 2.260 | 2.293 |
| 14 | 2.143 | 2.173 | 2.197 | 2.561 | 2.465 | 2.389 | 2.250 | 2.124 | 2.110 | 2.227 | 2.233 | 2.382 |
| 15 | 2.180 | 2.163 | 2.231 | 2.523 | 2.391 | 2.369 | 2.252 | 2.103 | 2.106 | 2.175 | 欠 | 2.480 |
| 16 | 2.182 | 2.160 | 2.210 | 2.453 | 2.407 | 2.360 | 2.250 | 2.102 | 2.134 | 2.118 | 2.144 | 2.476 |
| 17 | 2.191 | 2.137 | 2.161 | 2.424 | 2.423 | 2.361 | 2.246 | 2.096 | 2.124 | 2.097 | 2.155 | 2.442 |
| 18 | 2.202 | 2.149 | 2.167 | 2.462 | 2.453 | 2.361 | 2.241 | 2.093 | 2.076 | 2.124 | 2.138 | 2.393 |
| 19 | 2.142 | 2.149 | 2.187 | 2.527 | 2.455 | 2.365 | 2.241 | 2.105 | 2.094 | 2.083 | 2.123 | 2.353 |
| 20 | 2.137 | 2.130 | 2.163 | 2.568 | 2.496 | 2.365 | 2.251 | 2.117 | 2.129 | 2.070 | 2.108 | 2.397 |
| 21 | 2.134 | 2.093 | 2.118 | 2.505 | 2.482 | 2.350 | 2.259 | 2.130 | 2.127 | 2.130 | 2.105 | 2.401 |
| 22 | 2.246 | 2.054 | 2.153 | 2.541 | 2.467 | 2.346 | 2.246 | 2.147 | 2.116 | 2.131 | 2.103 | 2.375 |
| 23 | 2.330 | 2.143 | 2.234 | 2.573 | 2.458 | 2.342 | 2.223 | 2.142 | 2.112 | 2.113 | 2.122 | 2.335 |
| 24 | 2.320 | 2.132 | 2.225 | 2.554 | 2.392 | 2.348 | 2.200 | 2.090 | 2.113 | 2.095 | 2.232 | 2.376 |
| 25 | 2.272 | 2.094 | 2.224 | 2.490 | 2.355 | 2.348 | 2.188 | 2.068 | 2.134 | 2.095 | 2.334 | 2.411 |
| 26 | 2.236 | 2.098 | 2.239 | 2.496 | 2.371 | 2.331 | 2.179 | 2.076 | 2.165 | 2.091 | 2.359 | 2.408 |
| 27 | 2.208 | 2.126 | 2.254 | 2.486 | 2.365 | 2.324 | 2.172 | 2.084 | 2.134 | 2.070 | 2.330 | 2.383 |
| 28 | 2.208 | 2.160 | 2.254 | 2.474 | 2.356 | 2.331 | 2.180 | 2.098 | 2.085 | 2.135 | 2.275 | 2.398 |
| 29 | 2.202 | 2.123 | 2.245 | 2.484 | 2.368 | 2.349 | 2.182 | 2.109 | 2.057 | 2.182 | 2.269 | 2.350 |
| 30 | 2.193 | | 2.241 | 2.529 | 2.354 | 2.361 | 2.192 | 2.109 | 2.056 | 2.198 | 2.307 | 2.326 |
| 31 | 2.187 | | 2.243 | | 2.340 | | 2.225 | 2.111 | | 2.110 | | 2.321 |
| 平均 | 2.183 | 2.169 | 2.188 | 2.472 | 2.429 | 2.375 | 2.260 | 2.130 | 2.110 | 2.128 | 2.190* | 2.364 |

山口観測所

B 水位 深度 146.5m

昭和 63年

1月 --12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|---------|--------|
| 1 | -4.503 | -4.439 | -4.428 | -4.514 | -4.646 | -4.709 | -4.866 | -5.291 | -5.414 | -5.075 | -4.936 | -4.789 |
| 2 | -4.494 | -4.422 | -4.429 | -4.525 | -4.634 | -4.709 | -4.870 | -5.302 | -5.406 | -5.062 | -4.911 | -4.806 |
| 3 | -4.497 | -4.384 | -4.416 | -4.525 | -4.660 | -4.706 | -4.883 | -5.305 | -5.408 | -5.047 | -4.916 | -4.825 |
| 4 | -4.495 | -4.395 | -4.440 | -4.525 | -4.652 | -4.688 | -4.885 | -5.327 | -5.415 | -5.040 | -4.935 | -4.835 |
| 5 | -4.494 | -4.420 | -4.466 | -4.528 | -4.645 | -4.684 | -4.898 | -5.349 | -5.395 | -5.040 | -4.931 | -4.793 |
| 6 | -4.495 | -4.415 | -4.476 | -4.536 | -4.641 | -4.695 | -4.911 | -5.362 | -5.373 | -5.018 | -4.930 | -4.783 |
| 7 | -4.501 | -4.417 | -4.471 | -4.549 | -4.640 | -4.688 | -4.933 | -5.374 | -5.362 | -4.975 | -4.923 | -4.793 |
| 8 | -4.483 | -4.427 | -4.460 | -4.557 | -4.647 | -4.699 | -4.959 | -5.377 | -5.361 | -4.996 | -4.927 | -4.796 |
| 9 | -4.471 | -4.430 | -4.460 | -4.563 | -4.660 | -4.706 | -4.975 | -5.392 | -5.345 | -5.018 | -4.925 | -4.774 |
| 10 | -4.470 | -4.404 | -4.470 | -4.579 | -4.667 | -4.707 | -5.011 | -5.419 | -5.326 | -5.012 | -4.919 | -4.778 |
| 11 | -4.460 | -4.406 | -4.469 | -4.589 | -4.668 | -4.724 | -5.040 | -5.429 | -5.309 | -4.984 | -4.911 | -4.758 |
| 12 | -4.461 | -4.403 | -4.431 | -4.590 | -4.653 | -4.742 | -5.057 | -5.433 | -5.232 | -4.959 | -4.889 | -4.757 |
| 13 | -4.463 | -4.391 | -4.420 | -4.591 | -4.583 | -4.738 | -5.081 | -5.441 | -5.228 | -4.941 | -4.874 | -4.770 |
| 14 | -4.465 | -4.388 | -4.418 | -4.597 | -4.596 | -4.734 | -5.100 | -5.468 | -5.236 | -4.933 | -4.860 | -4.753 |
| 15 | -4.465 | -4.385 | -4.398 | -4.612 | -4.630 | -4.760 | -5.102 | -5.476 | -5.235 | -4.933 | -4.877* | -4.738 |
| 16 | -4.459 | -4.385 | -4.396 | -4.640 | -4.631 | -4.778 | -5.102 | -5.456 | -5.220 | -4.936 | -4.887 | -4.727 |
| 17 | -4.453 | -4.392 | -4.401 | -4.662 | -4.628 | -4.786 | -5.105 | -5.445 | -5.204 | -4.935 | -4.887 | -4.726 |
| 18 | -4.438 | -4.385 | -4.404 | -4.661 | -4.624* | -4.786 | -5.102 | -5.446 | -5.203 | -4.922 | -4.883 | -4.730 |
| 19 | -4.436 | -4.383 | -4.404 | -4.642 | 欠 | -4.796 | -5.115 | -5.448 | -5.175 | -4.930 | -4.890 | -4.731 |
| 20 | -4.446 | -4.389 | -4.409 | -4.622 | 欠 | -4.798 | -5.128 | -5.455 | -5.157 | -4.935 | -4.910 | -4.729 |
| 21 | -4.453 | -4.408 | -4.417 | -4.633 | 欠 | -4.804 | -5.148 | -5.462 | -5.160 | -4.928 | -4.903 | -4.740 |
| 22 | -4.427 | -4.428 | -4.413 | -4.628 | 欠 | -4.817 | -5.170 | -5.451 | -5.151 | -4.933 | -4.909 | -4.755 |
| 23 | -4.402 | -4.408 | -4.394 | -4.611 | 欠 | -4.844 | -5.177 | -5.458 | -5.140 | -4.942 | -4.911 | -4.772 |
| 24 | -4.398 | -4.421 | -4.402 | -4.617 | 欠 | -4.861 | -5.190 | -5.492 | -5.126 | -4.947 | -4.822 | -4.778 |
| 25 | -4.398 | -4.434 | -4.407 | -4.638 | 欠 | -4.876 | -5.206 | -5.513 | -5.108 | -4.948 | -4.694 | -4.764 |
| 26 | -4.409 | -4.438 | -4.408 | -4.639 | -4.651 | -4.890 | -5.237 | -5.505 | -5.077 | -4.951 | -4.718 | -4.762 |
| 27 | -4.423 | -4.436 | -4.416 | -4.641 | -4.662 | -4.886 | -5.257 | -5.508 | -5.083 | -4.956 | -4.752 | -4.775 |
| 28 | -4.425 | -4.425 | -4.424 | -4.654 | -4.682 | -4.884 | -5.263 | -5.486 | -5.095 | -4.932 | -4.771 | -4.787 |
| 29 | -4.429 | -4.421 | -4.439 | -4.662 | -4.695 | -4.890 | -5.273 | -5.445 | -5.101 | -4.918 | -4.781 | -4.818 |
| 30 | -4.430 | | -4.462 | -4.644 | -4.702 | -4.876 | -5.281 | -5.430 | -5.096 | -4.913 | -4.783 | -4.839 |
| 31 | -4.434 | | -4.492 | | -4.706 | | -5.286 | -5.429 | | -4.930 | | -4.834 |
| 平均 | -4.454 | -4.409 | -4.430 | -4.599 | -4.650* | -4.775 | -5.084 | -5.424 | -5.238 | -4.967 | -4.872* | -4.774 |

山口観測所

C水位 深度 6m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|--------|--------|--------|------|--------|-------|-------|-------|-------|-------|-------|
| 1 | 3.460 | 3.433 | 3.314 | 4.213 | 欠 | 欠 | 3.571 | 3.393 | 3.563 | 3.426 | 3.449 | 3.879 |
| 2 | 3.454 | 3.483 | 3.334 | 4.241 | 欠 | 欠 | 3.560 | 3.391 | 3.531 | 3.432 | 3.487 | 3.843 |
| 3 | 3.440 | 3.479 | 3.353 | 4.292 | 欠 | 欠 | 3.554 | 3.395 | 3.507 | 3.421 | 3.492 | 3.822 |
| 4 | 3.453 | 3.433 | 3.319 | 4.327 | 欠 | 欠 | 3.543 | 3.377 | 3.490 | 3.406 | 3.474 | 3.830 |
| 5 | 3.448 | 3.418 | 3.310 | 4.315 | 欠 | 欠 | 3.539 | 3.377 | 3.480 | 3.401 | 3.507 | 3.844 |
| 6 | 3.441 | 3.426 | 3.316 | 4.325 | 欠 | 欠 | 3.533 | 3.372 | 3.477 | 3.428 | 3.518 | 3.794 |
| 7 | 3.439 | 3.423 | 3.332* | 4.317 | 欠 | 欠 | 3.526 | 3.370 | 3.462 | 3.467 | 3.512 | 3.766 |
| 8 | 3.468 | 3.398 | 3.327 | 4.287 | 欠 | 欠 | 3.523 | 3.367 | 3.446 | 3.449 | 3.495 | 3.768 |
| 9 | 3.474 | 3.383 | 3.317 | 4.250 | 欠 | 欠 | 3.543 | 3.363 | 3.457 | 3.446 | 3.532 | 3.833 |
| 10 | 3.448 | 3.382 | 3.310 | 4.209 | 欠 | 欠 | 3.521 | 3.356 | 3.463 | 3.458 | 3.589 | 3.828 |
| 11 | 3.439 | 3.369* | 3.345 | 4.183 | 欠 | 欠 | 3.516 | 3.352 | 3.461 | 3.491 | 3.602 | 3.795 |
| 12 | 3.421 | 3.368* | 3.460 | 4.174 | 欠 | 欠 | 3.511 | 3.357 | 3.648 | 3.519 | 3.604 | 3.756 |
| 13 | 3.419 | 3.369 | 3.576 | 4.178 | 欠 | 欠 | 3.502 | 3.356 | 3.606 | 3.519 | 3.605 | 3.758 |
| 14 | 3.422 | 欠 | 3.605 | 4.157 | 欠 | 欠 | 3.498 | 3.342 | 3.586 | 3.499 | 3.589 | 3.837 |
| 15 | 3.429 | 欠 | 3.631 | 4.115 | 欠 | 欠 | 3.492 | 3.333 | 3.580 | 3.475 | 3.571 | 3.908 |
| 16 | 3.425 | 欠 | 3.586 | 4.074 | 欠 | 欠 | 3.482 | 3.330 | 3.576 | 3.453 | 3.563 | 3.866 |
| 17 | 3.423 | 欠 | 3.579 | 4.051 | 欠 | 欠 | 3.473 | 3.324 | 3.540 | 3.455 | 3.553 | 3.825 |
| 18 | 3.419 | 欠 | 3.624 | 4.041 | 欠 | 欠 | 3.467 | 3.318 | 3.517 | 3.457 | 3.537 | 3.796 |
| 19 | 3.388 | 欠 | 3.682 | 4.048 | 欠 | 欠 | 3.464 | 3.313 | 3.520 | 3.432 | 3.524 | 3.774 |
| 20 | 3.390 | 欠 | 3.696 | 4.074 | 欠 | 欠 | 3.465 | 3.310 | 3.520 | 3.430 | 3.511 | 3.799 |
| 21 | 3.388 | 欠 | 3.676 | 4.014 | 欠 | 欠 | 3.459 | 3.305 | 3.503 | 3.446 | 3.505 | 3.773 |
| 22 | 3.461 | 3.332* | 3.704 | 4.010 | 欠 | 欠 | 3.449 | 3.300 | 3.490 | 3.428 | 3.495 | 3.746 |
| 23 | 3.531 | 3.359 | 3.806 | 3.987 | 欠 | 3.664 | 3.439 | 3.292 | 3.482 | 3.416 | 3.499 | 3.731 |
| 24 | 3.515 | 3.337 | 3.861 | 3.965 | 欠 | 3.653 | 3.431 | 3.283 | 3.474 | 3.405 | 3.959 | 3.751 |
| 25 | 3.494 | 3.325 | 3.879 | 3.941 | 欠 | 3.630 | 3.425 | 3.286 | 3.476 | 3.403 | 4.295 | 3.744 |
| 26 | 3.480 | 3.326 | 3.929 | 3.938 | 欠 | 3.613 | 3.420 | 3.351 | 3.470 | 3.397 | 4.125 | 3.723 |
| 27 | 3.471 | 3.336 | 3.968 | 3.908 | 欠 | 3.604 | 3.415 | 3.373 | 3.446 | 3.392 | 4.024 | 3.711 |
| 28 | 3.466 | 3.339 | 4.021 | 欠 | 欠 | 3.600 | 3.414 | 3.424 | 3.430 | 3.441 | 3.954 | 3.711 |
| 29 | 3.462 | 欠 | 4.077 | 欠 | 欠 | 3.597 | 3.407 | 3.539 | 3.419 | 3.455 | 3.922 | 3.679 |
| 30 | 3.448 | 欠 | 4.129 | 欠 | 欠 | 3.589 | 3.407 | 3.540 | 3.417 | 3.469 | 3.903 | 3.675 |
| 31 | 3.446 | 欠 | 4.171 | 欠 | 欠 | 欠 | 3.408 | 3.539 | 欠 | 3.446 | 欠 | 3.673 |
| 平均 | 3.447 | 3.385* | 3.620* | 4.134* | **** | 3.618* | 3.482 | 3.365 | 3.501 | 3.443 | 3.646 | 3.781 |

山口観測所

A 沈下

| 昭和 63年 | 1月--12月 | | | | | | | | | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
| 1 | 19.12 | 19.13 | 19.35 | 18.27 | 18.47 | 18.64 | 18.84 | 19.03 | 19.03 | 19.08 | 19.15 | 18.62 |
| 2 | 19.14 | 19.08 | 19.36 | 18.25 | 18.53 | 18.62 | 18.85 | 19.02 | 19.03 | 19.09 | 19.10 | 18.66 |
| 3 | 19.14 | 19.10 | 19.34 | 18.14 | 18.54 | 18.62 | 18.85 | 19.02 | 19.05 | 19.09 | 19.13 | 18.66 |
| 4 | 19.11 | 19.15 | 19.36 | 18.09 | 18.55 | 18.62 | 18.85 | 19.04 | 19.05 | 19.09 | 19.13 | 18.65 |
| 5 | 19.13 | 19.13 | 19.35 | 18.06 | 18.56 | 18.67 | 18.85 | 19.06 | 19.08 | 19.11 | 19.12 | 18.67 |
| 6 | 19.13 | 19.13 | 19.36 | 18.08 | 18.59 | 18.64 | 18.87 | 19.05 | 19.06 | 19.10 | 19.09 | 18.71 |
| 7 | 19.11 | 19.17 | 19.36 | 18.07 | 18.61 | 18.67 | 18.90 | 19.07 | 19.07 | 19.07 | 19.10 | 18.74 |
| 8 | 19.09 | 19.17 | 19.36 | 18.09 | 18.64 | 18.67 | 18.89 | 19.07 | 19.09 | 19.09 | 19.11 | 18.75 |
| 9 | 19.09 | 19.19 | 19.37 | 18.12 | 18.63 | 18.68 | 18.89 | 19.08 | 19.08 | 19.09 | 19.07 | 18.71 |
| 10 | 19.15 | 19.21 | 19.39 | 18.13 | 18.66 | 18.63 | 18.89 | 19.08 | 19.08 | 19.09 | 19.08 | 18.72 |
| 11 | 19.15 | 19.22 | 19.33 | 18.16 | 18.64 | 18.65 | 18.90 | 19.09 | 19.07 | 19.06 | 19.07 | 18.77 |
| 12 | 19.12 | 19.24 | 19.24 | 18.16 | 18.48 | 18.65 | 18.90 | 19.11 | 18.92 | 19.07 | 19.06 | 18.81 |
| 13 | 19.14 | 19.25 | 19.16 | 18.14 | 18.28 | 18.69 | 18.91 | 19.09 | 18.95 | 19.08 | 19.03 | 18.81 |
| 14 | 19.14 | 19.28 | 19.08 | 18.16 | 18.37 | 18.66 | 18.92 | 19.11 | 18.93 | 19.10 | 19.06 | 18.72 |
| 15 | 19.14 | 19.28 | 19.11 | 18.23 | 18.41 | 18.62 | 18.93 | 19.10 | 18.95 | 19.09 | 19.09 | 18.67 |
| 16 | 19.15 | 19.28 | 19.13 | 18.28 | 18.40 | 18.62 | 18.94 | 19.10 | 18.97 | 19.11 | 19.08 | 18.70 |
| 17 | 19.14 | 19.29 | 19.10 | 18.28 | 18.40 | 18.63 | 18.93 | 19.10 | 18.99 | 19.09 | 19.08 | 18.77 |
| 18 | 19.15 | 19.29 | 19.06 | 18.29 | 18.42 | 18.63 | 18.95 | 19.11 | 19.01 | 19.11 | 19.08 | 18.79 |
| 19 | 19.17 | 19.30 | 19.01 | 18.29 | 18.44 | 18.62 | 18.96 | 19.15 | 19.00 | 19.11 | 19.09 | 18.81 |
| 20 | 19.17 | 19.34 | 19.04 | 18.30 | 18.44 | 18.61 | 18.96 | 19.16 | 19.01 | 19.12 | 19.09 | 18.79 |
| 21 | 19.15 | 19.35 | 19.03 | 18.33 | 18.50 | 18.61 | 18.96 | 19.14 | 19.02 | 19.10 | 19.09 | 18.85 |
| 22 | 19.08 | 19.35 | 18.99 | 18.32 | 18.51 | 18.70 | 18.95 | 19.15 | 19.03 | 19.12 | 19.10 | 18.87 |
| 23 | 19.06 | 19.34 | 18.83 | 18.35 | 18.55 | 18.72 | 18.97 | 19.14 | 19.04 | 19.14 | 19.08 | 18.86 |
| 24 | 19.07 | 19.35 | 18.86 | 18.39 | 18.60 | 18.71 | 18.98 | 19.15 | 19.04 | 19.16 | 18.19 | 18.87 |
| 25 | 19.12 | 19.35 | 18.80 | 18.40 | 18.61 | 18.74 | 19.01 | 19.15 | 19.04 | 19.19 | 18.30 | 18.88 |
| 26 | 19.10 | 19.37 | 18.77 | 18.40 | 18.62 | 18.76 | 19.01 | 19.15 | 19.05 | 19.18 | 18.42 | 18.93 |
| 27 | 19.10 | 19.36 | 18.69 | 18.42 | 18.61 | 18.76 | 19.02 | 19.15 | 19.06 | 19.18 | 18.50 | 18.91 |
| 28 | 19.12 | 19.36 | 18.60 | 18.45 | 18.61 | 18.77 | 19.00 | 19.09 | 19.08 | 19.18 | 18.54 | 18.93 |
| 29 | 19.10 | 19.36 | 18.49 | 18.45 | 18.62 | 18.77 | 19.01 | 19.03 | 19.09 | 19.19 | 18.58 | 18.96 |
| 30 | 19.13 | | 18.43 | 18.47 | 18.63 | 18.79 | 19.01 | 19.02 | 19.09 | 19.19 | 18.61 | 18.96 |
| 31 | 19.14 | | 18.34 | | 18.64 | | 19.02 | 19.02 | | 19.18 | | 18.97 |
| 月差 | -0.01 | 0.22 | -1.02 | 0.13 | 0.17 | 0.15 | 0.23 | 0.00 | 0.07 | 0.09 | -0.57 | 0.36 |

山口観測所

B 沈下

| 昭和 63年 | 1月--12月 | | | | | | | | | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
| 1 | 45.51 | 45.83 | 46.91 | 46.03 | 46.00 | 45.94 | 46.07 | 46.70 | 47.44 | 47.67 | 46.77 | 46.12 |
| 2 | 45.74 | 45.73 | 46.91 | 45.97 | 46.08 | 45.91 | 46.10 | 46.71 | 47.47 | 47.69 | 46.71 | 46.21 |
| 3 | 45.73 | 45.78 | 46.89 | 45.79 | 46.06 | 45.91 | 46.12 | 46.72 | 47.48 | 47.73 | 46.73 | 46.19 |
| 4 | 45.70 | 45.89 | 46.99 | 45.77 | 46.04 | 45.86 | 46.15 | 46.81 | 47.47 | 47.77 | 46.75 | 46.18 |
| 5 | 45.72 | 45.89 | 47.01 | 45.72 | 46.08 | 45.94 | 46.17 | 46.96 | 47.55 | 47.74 | 46.70 | 46.16 |
| 6 | 45.72 | 45.91 | 47.00 | 45.73 | 46.10 | 45.87 | 46.28 | 47.00 | 47.53 | 47.71 | 46.67 | 46.20 |
| 7 | 45.66 | 45.94 | 46.99 | 45.74 | 45.99 | 45.91 | 46.27 | 47.09 | 47.50 | 47.65 | 46.73 | 46.22 |
| 8 | 45.63 | 46.02 | 47.01 | 45.72 | 46.06 | 45.89 | 46.26 | 47.13 | 47.54 | 47.66 | 46.73 | 46.23 |
| 9 | 45.65 | 46.18 | 47.06 | 45.73 | 46.05 | 45.93 | 46.27 | 47.17 | 47.55 | 47.70 | 46.66 | 46.19 |
| 10 | 45.71 | 46.28 | 47.23 | 45.78 | 46.03 | 45.86 | 46.29 | 47.22 | 47.58 | 47.70 | 46.61 | 46.22 |
| 11 | 45.72 | 46.35 | 47.14 | 45.77 | 46.01 | 45.90 | 46.30 | 47.25 | 47.54 | 47.66 | 46.56 | 46.29 |
| 12 | 45.72 | 46.36 | 47.00 | 45.77 | 45.78 | 45.92 | 46.30 | 47.28 | 47.36 | 47.65 | 46.51 | 46.34 |
| 13 | 45.71 | 46.38 | 46.95 | 45.74 | 45.53 | 45.94 | 46.32 | 47.29 | 47.43 | 47.65 | 46.48 | 46.34 |
| 14 | 45.69 | 46.45 | 46.86 | 45.76 | 45.69 | 45.92 | 46.34 | 47.33 | 47.42 | 47.70 | 46.55 | 46.19 |
| 15 | 45.74 | 46.45 | 46.90 | 45.81 | 45.71 | 45.85 | 46.35 | 47.36 | 47.43 | 47.72 | 46.57 | 46.12 |
| 16 | 45.74 | 46.52 | 46.97 | 45.89 | 45.72 | 45.89 | 46.35 | 47.40 | 47.44 | 47.78 | 46.58 | 46.17 |
| 17 | 45.73 | 46.58 | 46.94 | 45.87 | 45.71 | 45.89 | 46.35 | 47.40 | 47.46 | 47.74 | 46.60 | 46.30 |
| 18 | 45.75 | 46.60 | 46.89 | 45.86 | 45.71 | 45.90 | 46.36 | 47.40 | 47.53 | 47.76 | 46.61 | 46.33 |
| 19 | 45.80 | 46.65 | 46.82 | 45.84 | 45.73 | 45.88 | 46.37 | 47.41 | 47.50 | 47.78 | 46.62 | 46.39 |
| 20 | 45.75 | 46.68 | 46.88 | 45.89 | 45.72 | 45.90 | 46.35 | 47.39 | 47.52 | 47.70 | 46.65 | 46.35 |
| 21 | 45.72 | 46.78 | 46.88 | 45.94 | 45.75 | 45.90 | 46.36 | 47.39 | 47.53 | 47.76 | 46.66 | 46.41 |
| 22 | 45.60 | 46.87 | 46.85 | 45.90 | 45.77 | 45.95 | 46.41 | 47.39 | 47.54 | 47.77 | 46.68 | 46.49 |
| 23 | 45.57 | 46.84 | 46.70 | 45.92 | 45.83 | 45.97 | 46.46 | 47.44 | 47.52 | 47.79 | 46.63 | 46.48 |
| 24 | 45.63 | 46.90 | 46.70 | 45.97 | 45.91 | 45.96 | 46.44 | 47.53 | 47.53 | 47.82 | 45.63 | 46.48 |
| 25 | 45.67 | 46.90 | 46.62 | 45.99 | 45.90 | 45.99 | 46.55 | 47.56 | 47.55 | 47.83 | 45.73 | 46.50 |
| 26 | 45.67 | 46.89 | 46.57 | 45.96 | 45.93 | 46.02 | 46.56 | 47.54 | 47.57 | 47.85 | 45.87 | 46.59 |
| 27 | 45.66 | 46.88 | 46.51 | 45.99 | 45.91 | 46.02 | 46.59 | 47.51 | 47.65 | 47.85 | 45.99 | 46.59 |
| 28 | 45.69 | 46.89 | 46.40 | 45.98 | 45.92 | 46.04 | 46.59 | 47.49 | 47.67 | 47.80 | 46.06 | 46.62 |
| 29 | 45.70 | 46.92 | 46.32 | 45.96 | 45.91 | 46.04 | 46.63 | 47.45 | 47.70 | 47.77 | 46.10 | 46.76 |
| 30 | 45.76 | | 46.23 | 45.99 | 45.92 | 46.05 | 46.65 | 47.43 | 47.70 | 47.76 | 46.10 | 46.78 |
| 31 | 45.82 | | 46.15 | | 45.92 | | 46.65 | 47.40 | | 47.80 | | 46.79 |
| 月差 | 0.29 | 1.10 | -0.77 | -0.16 | -0.07 | 0.13 | 0.60 | 0.75 | 0.30 | 0.10 | -1.70 | 0.69 |

研究庁舎観測所

水位

深度 120m

昭和 63年

1月--12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 1 | 4.702 | 4.606 | 4.742 | 5.344 | 6.186 | 6.369 | 5.977 | 5.731 | 5.464 | 5.667 | 5.983 | 6.247 |
| 2 | 4.816 | 4.569 | 4.718 | 5.392 | 6.182 | 6.375 | 5.993 | 5.636 | 5.453 | 5.768 | 5.956 | 6.265 |
| 3 | 4.830 | 4.555 | 4.742 | 5.489 | 6.202 | 6.353 | 6.073 | 5.582 | 5.461 | 5.764 | 6.030 | 6.247 |
| 4 | 4.818 | 4.529 | 4.683 | 5.424 | 6.304 | 6.381 | 6.068 | 5.517 | 5.530 | 5.724 | 6.062 | 6.339 |
| 5 | 4.787 | 4.491 | 4.726 | 5.474 | 6.368 | 6.462 | 5.982 | 5.522 | 5.615 | 5.721 | 5.985 | 6.351 |
| 6 | 4.742 | 4.537 | 4.802 | 5.483 | 6.328 | 6.453 | 5.927 | 5.541 | 5.574 | 5.808 | 6.104 | 6.314 |
| 7 | 4.702 | 4.642 | 4.798 | 5.502 | 6.296 | 6.375 | 5.947 | 5.609 | 5.609 | 5.834 | 6.102 | 6.256 |
| 8 | 4.682 | 4.626 | 4.728 | 5.598 | 6.369 | 6.304 | 5.887 | 5.638 | 5.537 | 5.764 | 6.015 | 6.267 |
| 9 | 4.680 | 4.550 | 4.690 | 5.653 | 6.302 | 6.341 | 5.953 | 5.552 | 5.549 | 5.877 | 5.955 | 6.274 |
| 10 | 4.750 | 4.526 | 4.714 | 5.735 | 6.276 | 6.290 | 6.053 | 5.514 | 5.555 | 5.909* | 5.951 | 6.302 |
| 11 | 4.753 | 4.601 | 4.722 | 5.695 | 6.298 | 6.325 | 5.987 | 5.479 | 5.703 | 5.878 | 5.971 | 6.413 |
| 12 | 4.679 | 4.608 | 4.858 | 5.629 | 6.258 | 6.391 | 5.919 | 5.478 | 5.710 | 5.871 | 6.015 | 6.399 |
| 13 | 4.635 | 4.582 | 4.898 | 5.636 | 6.325 | 6.382 | 5.888 | 5.533 | 5.628 | 5.855 | 6.140 | 6.329 |
| 14 | 4.596 | 4.668 | 4.874 | 5.613 | 6.344 | 6.318 | 5.823 | 5.608 | 5.568 | 5.808 | 6.143 | 6.332 |
| 15 | 4.651 | 4.678 | 4.848 | 5.505 | 6.449 | 6.273 | 5.812 | 5.604 | 5.672 | 5.839 | 6.077 | 6.295 |
| 16 | 4.648 | 4.635 | 4.833 | 5.619 | 6.457 | 6.265 | 5.774 | 5.592 | 5.722 | 5.951 | 6.020 | 6.349 |
| 17 | 4.726 | 4.608 | 4.868 | 5.767 | 6.387 | 6.289 | 5.894 | 5.559 | 5.739 | 5.929 | 6.009 | 6.353 |
| 18 | 4.717 | 4.615 | 4.881 | 5.802 | 6.423 | 6.266 | 5.881 | 5.539 | 5.729 | 5.887 | 5.994 | 6.447 |
| 19 | 4.606 | 4.546 | 4.908 | 5.803 | 6.384 | 6.391 | 5.778 | 5.491 | 5.716 | 5.853 | 5.964 | 6.477 |
| 20 | 4.559 | 4.629 | 5.014 | 5.820 | 6.396 | 6.387 | 5.732 | 5.494 | 5.691 | 5.838 | 6.069 | 6.431 |
| 21 | 4.539 | 4.687 | 5.078 | 5.800 | 6.406 | 6.275 | 5.828 | 5.534 | 5.687 | 5.845 | 6.031 | 6.352 |
| 22 | 4.541 | 4.672 | 5.061 | 5.844 | 6.463 | 6.228 | 5.689 | 5.486 | 5.626 | 5.918 | 6.010 | 6.380 |
| 23 | 4.545 | 4.655 | 5.051 | 5.880 | 6.464 | 6.213 | 5.707 | 5.391 | 5.705 | 5.973 | 6.049 | 6.385 |
| 24 | 4.586 | 4.611 | 5.046 | 5.991 | 6.367 | 6.191 | 5.773 | 5.375 | 5.761 | 5.988 | 6.173 | 6.415 |
| 25 | 4.624 | 4.551 | 5.080 | 5.993 | 6.353 | 6.184 | 5.796 | 5.334 | 5.787 | 5.983 | 6.107 | 6.511 |
| 26 | 4.510 | 4.594 | 5.143 | 5.982 | 6.317 | 6.239 | 5.708 | 5.371 | 5.782 | 5.915 | 6.206 | 6.509 |
| 27 | 4.469 | 4.691 | 5.244 | 5.915 | 6.336 | 6.186 | 5.658 | 5.330 | 5.698 | 5.805 | 6.318 | 6.426 |
| 28 | 4.492 | 4.770 | 5.231 | 5.944 | 6.371 | 6.120 | 5.664 | 5.448 | 5.673 | 5.848 | 6.278 | 6.383 |
| 29 | 4.483 | 4.769 | 5.223 | 6.012 | 6.469 | 6.008 | 5.624 | 5.449 | 5.663 | 5.954 | 6.245 | 6.474 |
| 30 | 4.533 | 5.235 | 6.102 | 6.436 | 5.983 | 5.639 | 5.430 | 5.627 | 6.041 | 6.223 | 6.579 | 6.474 |
| 31 | 4.607 | | 5.269 | | 6.386 | | 5.710 | 5.432 | | 6.003 | | 6.602 |
| 平均 | 4.645 | 4.613 | 4.926 | 5.714 | 6.351 | 6.287 | 5.843 | 5.509 | 5.641 | 5.865* | 6.072 | 6.377 |

花畔観測所

A 水位 深度 58.7m

昭和 63年

1月 -- 12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|---------|--------|-------|--------|-------|--------|-------|--------|--------|--------|-------|--------|
| 1 | -0.094 | -0.046 | 0.024 | 0.067 | 0.237 | 0.160 | 0.199 | 0.131 | 0.127 | 0.011 | 0.050 | 0.184 |
| 2 | -0.099 | 0.093 | 0.085 | 0.083 | 0.202 | 0.186 | 0.179 | 0.138 | 0.096 | 0.028 | 0.157 | 0.146* |
| 3 | -0.132 | 0.149 | 0.166 | 0.112 | 0.192 | 0.222 | 0.179 | 0.183 | 0.061 | 0.021* | 0.143 | 0.125 |
| 4 | -0.095* | 0.071 | 0.079 | 0.108 | 0.284 | 0.292 | 0.171 | 0.159 | 0.033 | 0.000 | 0.085 | 0.169 |
| 5 | -0.087 | 0.035 | 0.048 | 0.109 | 0.249 | 0.249 | 0.180 | 0.122 | 0.041 | -0.013 | 0.135 | 0.263 |
| 6 | -0.095 | 0.075 | 0.065 | 0.136 | 0.229 | 0.198* | 0.184 | 0.098 | 0.070 | 0.062 | 0.125 | 0.225 |
| 7 | -0.085 | 0.091 | 0.104 | 0.092 | 0.207 | 0.249 | 0.186 | 0.089 | 0.075 | 0.134 | 0.119 | 0.167 |
| 8 | 0.002 | 0.041 | 0.105 | 0.099 | 0.188 | 0.234 | 0.195 | 0.087 | 0.050 | 0.041 | 0.063 | 0.149 |
| 9 | 0.029 | 0.003 | 0.091 | 0.114 | 0.152 | 0.258 | 0.236 | 0.087 | 0.046 | 0.000 | 0.119 | 0.237 |
| 10 | -0.022 | 0.004 | 0.078 | 0.096 | 0.158 | 0.252 | 0.216 | 0.075 | 0.064 | 0.000 | 0.172 | 0.228 |
| 11 | -0.035 | -0.022 | 0.123 | 0.076* | 0.181 | 0.223 | 0.195 | 0.074 | 0.079 | 0.039 | 0.196 | 0.218 |
| 12 | -0.085 | -0.014 | 0.249 | 0.107 | 0.271 | 0.218 | 0.169 | 0.096 | 0.179 | 0.137* | 0.220 | 0.167* |
| 13 | -0.085 | 0.011 | 0.182 | 0.171 | 0.381 | 0.240 | 0.145 | 0.107 | 0.096 | 0.162 | 0.232 | 0.156 |
| 14 | -0.066 | 0.030 | 0.154 | 0.190 | 0.227 | 0.231 | 0.141 | 0.087 | 0.042 | 0.122 | 0.189 | 0.265 |
| 15 | -0.032 | 0.025 | 0.192 | 0.157 | 0.169 | 0.211* | 0.144 | 0.070* | 0.044 | 0.085* | 0.143 | 0.351 |
| 16 | -0.027 | 0.021 | 0.138 | 0.088 | 0.185 | 0.201 | 0.144 | 0.073 | 0.068 | 0.017 | 0.124 | 0.331 |
| 17 | -0.017 | 0.003 | 0.095 | 0.073 | 0.197 | 0.204 | 0.142 | 0.070 | 0.036 | 0.017 | 0.126 | 0.289 |
| 18 | -0.010 | 0.034 | 0.109 | 0.120 | 0.221 | 0.206 | 0.141 | 0.069 | -0.016 | 0.042 | 0.108 | 0.250 |
| 19 | -0.078 | 0.029 | 0.124 | 0.194 | 0.220 | 0.208 | 0.144 | 0.085 | 0.018 | -0.004 | 0.093 | 0.211 |
| 20 | -0.066 | 0.016 | 0.078 | 0.217 | 0.265 | 0.196 | 0.156 | 0.096 | 0.048 | -0.003 | 0.080 | 0.277 |
| 21 | -0.064 | -0.027 | 0.032 | 0.156 | 0.243 | 0.177 | 0.161 | 0.113 | 0.038 | 0.064 | 0.077 | 0.276 |
| 22 | 0.073 | -0.051 | 0.079 | 0.217 | 0.231 | 0.175 | 0.148 | 0.134 | 0.025 | 0.053 | 0.074 | 0.242 |
| 23 | 0.141 | 0.057 | 0.147 | 0.245 | 0.223 | 0.174 | 0.126 | 0.125 | 0.023 | 0.043 | 0.101 | 0.204 |
| 24 | 0.105 | 0.021 | 0.119 | 0.222 | 0.153 | 0.180 | 0.107 | 0.076 | 0.026 | 0.031* | 0.234 | 0.263 |
| 25 | 0.056 | -0.007 | 0.115 | 0.164 | 0.133 | 0.176 | 0.097 | 0.062 | 0.052 | 0.036 | 0.293 | 0.291 |
| 26 | 0.019 | 0.014 | 0.123 | 0.190 | 0.157 | 0.161 | 0.091 | 0.083 | 0.073 | 0.033 | 0.277 | 0.296* |
| 27 | -0.009 | 0.053 | 0.126 | 0.170 | 0.147 | 0.157 | 0.090 | 0.089 | 0.028 | 0.019 | 0.214 | 0.274 |
| 28 | -0.009 | 0.082 | 0.109 | 0.175 | 0.145 | 0.177 | 0.103 | 0.106 | -0.015 | 0.106 | 0.147 | 0.297 |
| 29 | -0.009 | -0.008 | 0.090 | 0.197 | 0.159 | 0.197 | 0.100 | 0.114 | -0.044 | 0.148 | 0.142 | 0.240 |
| 30 | -0.027 | | 0.072 | 0.250 | 0.143 | 0.210 | 0.122 | 0.108 | -0.033 | 0.155 | 0.171 | 0.221 |
| 31 | -0.020 | | 0.061 | | 0.137 | | 0.156 | 0.110 | | 0.051 | | 0.219 |
| 平均 | -0.029* | 0.027 | 0.108 | 0.146* | 0.202 | 0.207* | 0.153 | 0.100* | 0.047 | 0.052* | 0.146 | 0.233* |

花畔観測所

B 水位 深度 12m

昭和 63年

1月 -- 12月

単位 m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|-------|
| 1 | 2.478 | 2.469 | 2.353 | 2.967 | 3.215 | 3.096 | 2.898 | 2.532 | 2.625 | 2.661 | 2.542 | 2.962 |
| 2 | 2.483 | 2.498 | 2.353 | 3.034 | 欠 | 3.087 | 2.877 | 2.530 | 2.625 | 2.662 | 2.567 | 2.947 |
| 3 | 2.483 | 2.498 | 2.364 | 3.112 | 欠 | 3.085 | 2.855 | 2.526 | 2.634 | 2.653 | 2.561 | 2.937 |
| 4 | 2.497* | 2.465 | 2.345 | 3.208 | 欠 | 3.096 | 2.845 | 2.513 | 2.639 | 2.641 | 2.551 | 2.942 |
| 5 | 2.502 | 2.456 | 2.346 | 3.288 | 欠 | 3.076 | 2.832 | 2.506 | 2.646 | 2.632 | 2.562 | 2.963 |
| 6 | 2.504 | 2.462 | 2.349 | 3.337 | 欠 | 3.065* | 2.820 | 2.500 | 2.651 | 2.640 | 2.564 | 2.950 |
| 7 | 2.503 | 2.458 | 2.353 | 3.385 | 欠 | 3.071 | 2.807 | 2.493 | 2.654 | 2.668 | 2.566 | 2.935 |
| 8 | 2.524 | 2.442 | 2.341 | 3.426 | 欠 | 3.057 | 2.792 | 2.495 | 2.652 | 2.659 | 2.564 | 2.928 |
| 9 | 2.523 | 2.426 | 2.325 | 3.446 | 欠 | 3.071 | 2.793 | 2.491 | 2.657 | 2.626 | 2.586 | 2.952 |
| 10 | 2.511 | 2.422 | 2.326 | 3.467 | 欠 | 3.089 | 2.769 | 2.482 | 2.657 | 2.623 | 2.613 | 2.952 |
| 11 | 2.500 | 2.420 | 2.341 | 3.478* | 欠 | 3.074 | 2.761 | 2.476 | 2.657 | 2.624 | 2.634 | 2.945 |
| 12 | 2.494 | 2.418 | 2.386 | 3.502 | 欠 | 3.059 | 2.749 | 2.472 | 2.691 | 2.640 | 2.656 | 2.929 |
| 13 | 2.501 | 2.417 | 2.435 | 3.522 | 3.343 | 3.056 | 2.735 | 2.474 | 2.697 | 2.636 | 2.670 | 2.927 |
| 14 | 2.495 | 2.417 | 2.467 | 3.501 | 3.309 | 3.058 | 2.721 | 2.469 | 2.702 | 欠 | 2.679 | 2.967 |
| 15 | 2.495 | 2.412 | 2.491 | 3.457 | 3.278 | 3.072 | 2.710 | 2.466* | 2.714 | 欠 | 2.682 | 2.996 |
| 16 | 2.490 | 2.403 | 2.494 | 3.424 | 3.273 | 3.074* | 2.696 | 2.460 | 2.724 | 欠 | 2.688 | 2.993 |
| 17 | 2.486 | 2.398 | 2.495 | 3.400 | 3.272 | 3.081 | 2.682 | 2.453 | 2.725 | 欠 | 2.694 | 2.981 |
| 18 | 2.481 | 2.392 | 2.512 | 3.390 | 3.260 | 3.092 | 2.669 | 2.447 | 2.722 | 欠 | 2.694 | 2.971 |
| 19 | 2.468 | 2.386 | 2.529 | 3.409 | 3.245 | 3.094 | 2.660 | 2.441 | 2.725 | 欠 | 2.694 | 2.959 |
| 20 | 2.474 | 2.382 | 2.548 | 3.408 | 3.240 | 3.088 | 2.652 | 2.444 | 2.727 | 欠 | 2.693 | 2.973 |
| 21 | 2.466 | 2.373 | 2.571 | 3.351 | 3.220 | 3.070 | 2.642 | 2.445 | 2.728 | 欠 | 2.690 | 2.965 |
| 22 | 2.493 | 2.373 | 2.599 | 3.340 | 3.209 | 3.053 | 2.627 | 2.443 | 2.721 | 欠 | 2.686 | 2.950 |
| 23 | 2.515 | 2.390 | 2.621 | 3.321 | 3.196 | 3.043 | 2.615 | 2.439 | 2.718 | 欠 | 2.683 | 2.938 |
| 24 | 2.511 | 2.380 | 2.633 | 3.298 | 3.176 | 3.025 | 2.599 | 2.432 | 2.714 | 欠 | 2.752 | 2.944 |
| 25 | 2.501 | 2.373 | 2.646 | 3.271 | 3.165 | 3.004 | 2.591 | 2.433 | 2.712 | 欠 | 2.945 | 2.944 |
| 26 | 2.496 | 2.373 | 2.670 | 3.271 | 3.161 | 2.979 | 2.583 | 2.474 | 2.706 | 欠 | 2.979 | 2.933 |
| 27 | 2.491 | 2.374 | 2.701 | 3.249 | 3.145 | 2.961 | 2.571 | 2.486 | 2.690 | 欠 | 2.980 | 2.921 |
| 28 | 2.488 | 2.368 | 2.741 | 3.241 | 3.137 | 2.959 | 2.566 | 2.489 | 2.674 | 欠 | 2.962 | 2.919 |
| 29 | 2.485 | 2.360 | 2.790 | 3.233 | 3.127 | 2.942 | 2.555 | 2.539 | 2.664 | 欠 | 2.957 | 2.900 |
| 30 | 2.477 | | 2.845 | 3.241 | 3.111 | 2.926 | 2.548 | 2.567 | 2.660 | 欠 | 2.962 | 2.892 |
| 31 | 2.479 | | 2.912 | | 3.102 | | 2.539 | 2.584 | | 欠 | | 2.887 |
| 平均 | 2.493* | 2.413 | 2.512 | 3.332* | 3.209* | 3.050* | 2.701 | 2.483* | 2.683 | 2.641* | 2.701 | 2.945 |

花畔観測所

A 沈下

昭和 63年

1月--12月

単位 m m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | -1.27 | -1.36 | -1.38 | -1.60 | -2.26 | -2.39 | -2.48 | -2.41 | 欠 | -2.51 | -2.29 | -2.20 |
| 2 | -1.27 | -1.40 | -1.38 | -1.62 | -2.25 | -2.40 | -2.48 | -2.41 | -2.40 | -2.52 | -2.29 | -2.20 |
| 3 | -1.28 | -1.40 | -1.39 | -1.65 | -2.25 | -2.40 | -2.48 | -2.40 | -2.40 | 欠 | -2.29 | -2.20 |
| 4 | 欠 | -1.40 | -1.39 | -1.70 | -2.25 | -2.40 | -2.49 | -2.39 | -2.40 | 欠 | -2.29 | -2.20 |
| 5 | -1.29 | -1.38 | -1.39 | -1.75 | -2.26 | -2.41 | -2.49 | -2.39 | -2.43 | 欠 | -2.28 | -2.17 |
| 6 | -1.29 | -1.36 | -1.40 | -1.79 | -2.26 | 欠 | -2.49 | -2.38 | -2.42 | 欠 | -2.28 | -2.17 |
| 7 | -1.30 | -1.36 | -1.40 | -1.81 | -2.26 | 欠 | -2.50 | -2.37 | -2.41 | 欠 | -2.26 | -2.15 |
| 8 | -1.30 | -1.35 | -1.40 | -1.86 | -2.27 | 欠 | -2.50 | -2.35 | -2.41 | -2.47 | -2.27 | -2.15 |
| 9 | -1.30 | -1.36 | -1.40 | -1.90 | 欠 | -2.39 | -2.50 | -2.35 | -2.40 | -2.48 | -2.28 | -2.15 |
| 10 | -1.30 | -1.35 | -1.44 | -1.93 | 欠 | -2.40 | -2.51 | -2.36 | -2.40 | -2.50 | -2.29 | -2.15 |
| 11 | -1.30 | -1.37 | -1.44 | 欠 | 欠 | -2.40 | -2.50 | -2.36 | -2.39 | -2.50 | -2.28 | -2.15 |
| 12 | -1.31 | -1.37 | -1.44 | 欠 | -2.27 | -2.41 | -2.50 | -2.37 | -2.44 | -2.50 | -2.28 | 欠 |
| 13 | -1.32 | -1.36 | -1.44 | 欠 | -2.28 | -2.42 | -2.50 | -2.37 | -2.45 | -2.50 | -2.28 | 欠 |
| 14 | -1.33 | -1.37 | -1.45 | 欠 | -2.28 | -2.42 | -2.50 | -2.38 | -2.45 | -2.50 | -2.30 | 欠 |
| 15 | -1.33 | -1.37 | -1.44 | -2.05 | -2.29 | -2.44 | -2.50 | -2.41 | -2.45 | 欠 | -2.30 | 欠 |
| 16 | -1.33 | -1.36 | -1.44 | -2.10 | -2.29 | 欠 | -2.50 | -2.41 | -2.45 | 欠 | -2.30 | 欠 |
| 17 | -1.34 | -1.36 | -1.44 | -2.15 | -2.30 | 欠 | -2.50 | -2.41 | -2.45 | -2.40 | -2.29 | 欠 |
| 18 | -1.34 | -1.35 | -1.45 | -2.20 | -2.30 | 欠 | -2.53 | -2.41 | -2.46 | -2.40 | -2.29 | 欠 |
| 19 | -1.35 | -1.35 | -1.45 | 欠 | -2.31 | 欠 | -2.51 | -2.42 | -2.45 | -2.40 | -2.28 | -2.15 |
| 20 | -1.35 | -1.35 | -1.45 | 欠 | -2.31 | -2.42 | -2.50 | -2.42 | -2.46 | -2.40 | -2.27 | 欠 |
| 21 | -1.35 | -1.35 | -1.45 | 欠 | -2.31 | -2.43 | -2.49 | -2.42 | -2.48 | -2.40 | -2.25 | -2.20 |
| 22 | -1.35 | -1.34 | -1.45 | 欠 | -2.32 | -2.43 | -2.48 | -2.42 | -2.48 | -2.40 | -2.25 | -2.17 |
| 23 | -1.35 | -1.35 | -1.45 | 欠 | -2.33 | -2.44 | -2.46 | -2.41 | -2.48 | -2.40 | -2.24 | -2.16 |
| 24 | -1.35 | -1.36 | -1.47 | -2.25 | -2.34 | -2.44 | -2.45 | -2.42 | -2.49 | 欠 | -2.23 | -2.15 |
| 25 | -1.35 | -1.37 | -1.51 | -2.24 | -2.35 | -2.44 | -2.45 | -2.41 | -2.50 | -2.34 | -2.23 | -2.14 |
| 26 | -1.35 | -1.38 | -1.51 | -2.25 | -2.35 | -2.45 | -2.43 | -2.41 | -2.50 | -2.33 | -2.22 | -2.19 |
| 27 | -1.35 | -1.38 | -1.52 | -2.25 | -2.35 | -2.45 | -2.43 | -2.41 | -2.50 | -2.32 | -2.21 | -2.19 |
| 28 | -1.35 | -1.38 | -1.56 | -2.25 | -2.35 | -2.46 | -2.41 | -2.42 | -2.50 | -2.30 | -2.20 | -2.19 |
| 29 | -1.36 | -1.39 | -1.55 | -2.26 | -2.36 | -2.46 | -2.41 | -2.40 | -2.50 | -2.30 | -2.20 | -2.18 |
| 30 | -1.36 | | -1.55 | -2.26 | -2.38 | -2.48 | -2.41 | -2.40 | -2.50 | -2.30 | -2.20 | -2.16 |
| 31 | -1.36 | | -1.58 | | -2.39 | | -2.41 | -2.40 | | -2.30 | | -2.16 |
| 月差 | -0.09 | -0.03 | -0.19 | -0.68 | -0.13 | -0.09 | 0.07 | 0.01 | -0.10 | 0.20 | 0.10 | 0.04 |

花畔観測所

B 沈下

昭和 63年

1月--12月

単位 m m

| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.26 | 0.27 | 0.17 | -0.06 | -0.64 | -0.78 | -0.86 | -0.80 | -0.72 | -0.81 | -0.63 | -0.73 |
| 2 | 0.26 | 0.26 | 0.16 | -0.06 | -0.63 | -0.80 | -0.85 | -0.80 | -0.71 | -0.82 | -0.60 | -0.71 |
| 3 | 0.26 | 0.28 | 0.15 | -0.15 | -0.63 | -0.79 | -0.86 | -0.81 | -0.71 | 欠 | -0.58 | -0.72 |
| 4 | 欠 | 0.28 | 0.15 | -0.28 | -0.64 | -0.79 | -0.82 | -0.80 | -0.71 | 欠 | -0.61 | -0.74 |
| 5 | 0.27 | 0.28 | 0.15 | -0.32 | -0.65 | -0.79 | -0.83 | -0.80 | -0.72 | 欠 | -0.60 | -0.73 |
| 6 | 0.26 | 0.29 | 0.15 | -0.33 | -0.65 | 欠 | -0.82 | -0.80 | -0.73 | -0.75 | -0.63 | -0.73 |
| 7 | 0.25 | 0.29 | 0.15 | -0.39 | -0.65 | 欠 | -0.81 | -0.80 | -0.73 | -0.75 | -0.60 | -0.73 |
| 8 | 0.25 | 0.29 | 0.15 | -0.42 | -0.65 | -0.77 | -0.81 | -0.81 | -0.74 | -0.75 | -0.60 | -0.74 |
| 9 | 0.25 | 0.27 | 0.15 | -0.42 | 欠 | -0.82 | -0.82 | -0.81 | -0.74 | -0.75 | -0.61 | -0.74 |
| 10 | 0.25 | 0.26 | 0.15 | -0.45 | 欠 | -0.85 | -0.82 | -0.82 | -0.74 | -0.75 | -0.60 | -0.72 |
| 11 | 0.25 | 0.26 | 0.15 | 欠 | 欠 | -0.85 | -0.80 | -0.82 | -0.75 | -0.75 | -0.61 | -0.72 |
| 12 | 0.26 | 0.25 | 0.15 | 欠 | -0.64 | -0.85 | -0.80 | -0.80 | -0.75 | -0.74 | -0.62 | -0.70 |
| 13 | 0.26 | 0.25 | 0.14 | 欠 | -0.68 | -0.84 | -0.80 | -0.81 | -0.75 | -0.73 | -0.64 | -0.72 |
| 14 | 0.25 | 0.25 | 0.10 | 欠 | -0.69 | -0.85 | -0.80 | -0.83 | -0.77 | -0.70 | -0.63 | -0.73 |
| 15 | 0.25 | 0.26 | 0.10 | 欠 | -0.70 | 欠 | -0.80 | 欠 | -0.77 | -0.70 | -0.62 | -0.74 |
| 16 | 0.25 | 0.25 | 0.10 | 欠 | -0.68 | 欠 | -0.80 | -0.74 | -0.76 | -0.68 | -0.63 | -0.73 |
| 17 | 0.25 | 0.25 | 0.08 | 欠 | -0.70 | 欠 | -0.80 | -0.70 | -0.76 | -0.65 | -0.64 | -0.73 |
| 18 | 0.25 | 0.26 | 0.08 | -0.63 | -0.71 | 欠 | -0.80 | -0.70 | -0.77 | -0.64 | -0.63 | -0.73 |
| 19 | 0.25 | 0.25 | 0.07 | -0.61 | -0.70 | 欠 | -0.80 | -0.68 | -0.79 | -0.63 | -0.64 | -0.73 |
| 20 | 0.25 | 0.25 | 0.07 | -0.64 | -0.70 | -0.84 | -0.81 | -0.68 | -0.79 | -0.65 | -0.64 | -0.73 |
| 21 | 0.24 | 0.25 | 欠 | -0.61 | -0.71 | -0.85 | -0.80 | -0.68 | -0.80 | -0.66 | -0.64 | -0.70 |
| 22 | 0.22 | 0.25 | 0.05 | -0.60 | -0.70 | -0.85 | -0.80 | -0.66 | -0.80 | -0.66 | -0.64 | -0.67 |
| 23 | 0.23 | 0.23 | 0.05 | -0.60 | -0.70 | -0.85 | -0.80 | -0.68 | -0.81 | -0.65 | -0.63 | -0.69 |
| 24 | 0.24 | 0.21 | 0.04 | -0.60 | -0.71 | -0.85 | -0.80 | -0.69 | -0.80 | -0.64 | -0.65 | -0.69 |
| 25 | 0.25 | 0.20 | 0.00 | -0.58 | -0.70 | -0.85 | -0.81 | -0.69 | -0.81 | -0.62 | -0.67 | -0.67 |
| 26 | 0.26 | 0.20 | 0.00 | -0.59 | -0.70 | -0.85 | -0.80 | -0.70 | -0.81 | -0.60 | -0.68 | -0.64 |
| 27 | 0.26 | 0.20 | 0.00 | -0.60 | -0.71 | -0.86 | -0.78 | -0.71 | -0.80 | -0.62 | -0.69 | -0.65 |
| 28 | 0.26 | 0.20 | -0.04 | -0.62 | -0.72 | -0.86 | -0.79 | -0.72 | -0.80 | -0.67 | -0.71 | -0.64 |
| 29 | 0.26 | 0.20 | -0.04 | -0.64 | -0.72 | -0.88 | -0.78 | -0.70 | -0.81 | -0.67 | -0.72 | -0.62 |
| 30 | 0.27 | | -0.05 | -0.64 | -0.77 | -0.86 | -0.79 | -0.72 | -0.81 | -0.68 | -0.71 | -0.61 |
| 31 | 0.27 | | -0.06 | | -0.78 | | -0.79 | -0.73 | | -0.62 | | -0.63 |
| 月差 | 0.01 | -0.07 | -0.26 | -0.58 | -0.14 | -0.08 | 0.07 | 0.06 | -0.08 | 0.19 | -0.09 | 0.08 |

石狩工水No.2 観測所 水位 深度 3.5m

昭和 63年

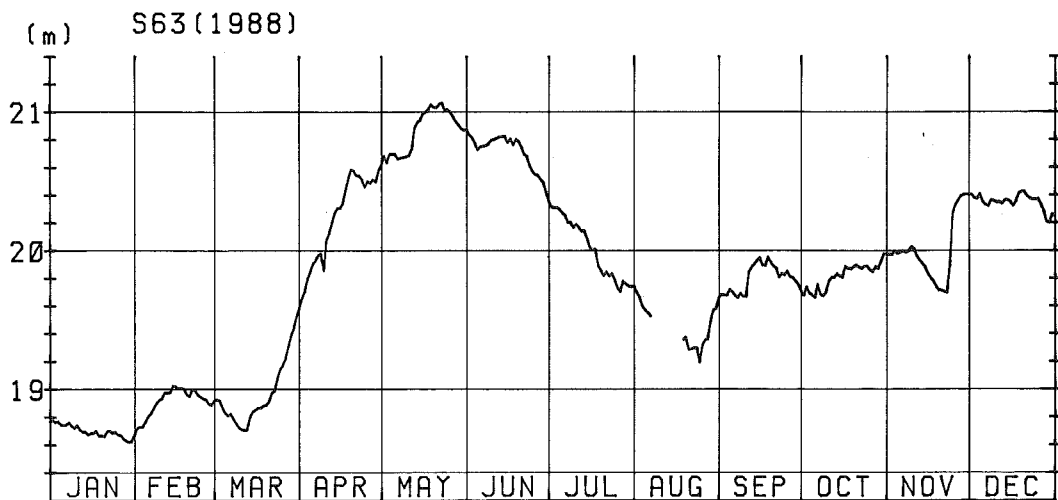
1月--12月

単位 m

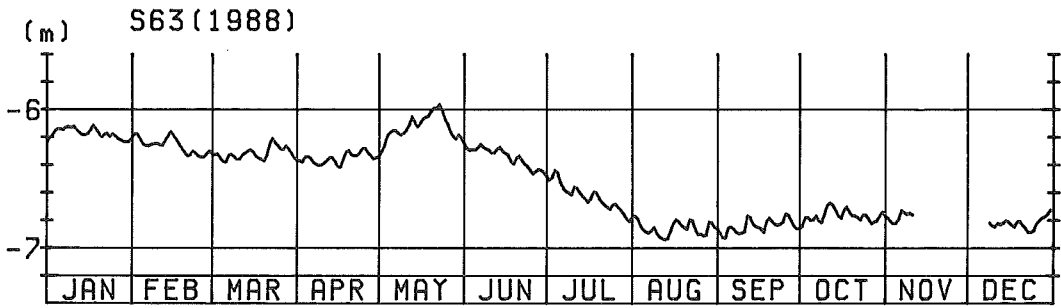
| 日 | 1月 | 2月 | 3月 | 4月 | 5月 | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 | 12月 |
|----|--------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|--------|
| 1 | 欠 | 2.847 | 2.761 | 3.171 | 欠 | 3.872 | 3.737 | 3.517 | 欠 | 3.334 | 3.127 | 3.439 |
| 2 | 欠 | 2.859 | 2.760 | 3.216 | 欠 | 3.864 | 欠 | 3.501 | 欠 | 3.327 | 3.125 | 3.438 |
| 3 | 欠 | 2.850 | 2.758 | 3.273 | 4.041 | 3.832 | 欠 | 3.487 | 欠 | 3.319 | 3.118 | 3.436 |
| 4 | 欠 | 2.842 | 2.751 | 3.376 | 4.012 | 3.820 | 欠 | 3.468 | 欠 | 3.311 | 3.113 | 3.436 |
| 5 | 欠 | 2.839 | 2.747 | 3.491 | 3.992 | 3.804 | 欠 | 3.452 | 欠 | 3.304 | 3.111 | 3.439 |
| 6 | 欠 | 2.838 | 2.745 | 3.551 | 3.989 | 3.790 | 欠 | 3.427 | 欠 | 3.301 | 3.103 | 3.425 |
| 7 | 欠 | 2.836 | 2.743 | 3.601 | 3.989 | 3.782 | 欠 | 3.389 | 3.416* | 3.312 | 3.095 | 3.411 |
| 8 | 欠 | 2.832 | 2.739 | 3.659 | 3.973 | 3.771 | 欠 | 3.345 | 3.417 | 3.291 | 3.090 | 3.403 |
| 9 | 欠 | 2.828 | 2.734 | 3.709 | 3.957 | 3.763* | 3.683 | 3.305 | 3.416 | 3.282 | 3.091 | 3.408 |
| 10 | 欠 | 2.826 | 2.732 | 3.755 | 3.946 | 欠 | 3.683 | 3.265 | 3.412 | 3.274 | 3.102 | 3.401 |
| 11 | 欠 | 2.823 | 2.731 | 3.807 | 3.938 | 欠 | 3.683 | 3.230 | 3.405 | 3.269 | 3.090 | 3.392 |
| 12 | 欠 | 2.821 | 2.739 | 3.859 | 3.949 | 欠 | 3.682 | 3.200 | 3.425 | 3.265 | 3.088 | 3.380 |
| 13 | 欠 | 2.819 | 2.791 | 3.904 | 4.050 | 欠 | 3.714 | 3.173 | 3.421 | 3.258 | 3.090 | 3.377 |
| 14 | 欠 | 2.816 | 2.839 | 3.940 | 4.083 | 欠 | 3.727 | 3.150 | 3.410 | 3.248 | 3.090 | 3.393 |
| 15 | 欠 | 2.814 | 2.863 | 3.964 | 4.060 | 欠 | 3.696 | 3.126 | 3.412 | 3.245 | 3.085 | 3.403 |
| 16 | 欠 | 2.810 | 2.874 | 3.979 | 4.043 | 欠 | 3.676 | 3.104 | 3.426 | 3.240 | 3.084 | 欠 |
| 17 | 欠 | 2.806 | 2.877 | 3.994 | 4.020 | 欠 | 3.665 | 3.083 | 3.435 | 3.232 | 3.086 | 欠 |
| 18 | 欠 | 2.804 | 2.882 | 4.008 | 4.000 | 欠 | 3.657 | 3.063 | 3.440 | 3.227 | 3.088 | 欠 |
| 19 | 欠 | 2.800 | 2.887 | 4.020 | 3.978 | 欠 | 3.649 | 3.044 | 3.447 | 3.218 | 3.090 | 欠 |
| 20 | 2.880 | 2.795 | 2.898 | 4.032 | 3.969 | 欠 | 3.642 | 3.024 | 3.449 | 3.212 | 3.092 | 欠 |
| 21 | 2.894 | 2.790 | 2.911 | 4.034 | 3.951 | 欠 | 3.633 | 3.006 | 3.440 | 3.209 | 3.096 | 欠 |
| 22 | 2.873 | 2.789 | 2.927 | 4.047 | 3.934 | 欠 | 3.623 | 2.991 | 3.429 | 3.201 | 3.098 | 欠 |
| 23 | 2.882 | 2.789 | 2.942 | 4.053 | 3.917 | 3.726 | 3.612 | 2.987 | 3.420 | 3.191 | 3.102 | 欠 |
| 24 | 2.887 | 2.782 | 2.956 | 4.050 | 3.895 | 3.723 | 3.602 | 2.987 | 3.410 | 3.183 | 3.120 | 欠 |
| 25 | 2.881 | 2.778 | 2.965 | 4.039 | 3.881 | 3.716 | 3.591 | 2.987 | 3.402 | 3.176 | 3.195 | 欠 |
| 26 | 2.874 | 2.775 | 2.977 | 4.039 | 3.874 | 3.710 | 3.581 | 2.989 | 3.391 | 3.169 | 3.352 | 欠 |
| 27 | 2.862 | 2.773 | 2.991 | 4.028 | 3.865 | 3.703 | 3.572 | 3.001 | 3.372 | 3.162 | 3.374 | 欠 |
| 28 | 2.859 | 2.769 | 3.010 | 4.024 | 3.851 | 3.709 | 3.563 | 3.033 | 3.358 | 3.165 | 3.405 | 欠 |
| 29 | 2.857 | 2.763 | 3.043 | 4.026 | 3.842 | 3.771 | 3.554 | 欠 | 3.346 | 3.154 | 3.424 | 欠 |
| 30 | 2.853 | 3.083 | 4.025 | 3.829 | 3.829 | 3.763 | 3.545 | 欠 | 3.340 | 3.149 | 3.435 | 欠 |
| 31 | 2.851 | 3.128 | | 3.831 | | | 3.534 | 欠 | | 3.134 | | 欠 |
| 平均 | 2.871* | 2.810 | 2.864 | 3.822 | 3.953* | 3.771* | 3.637* | 3.190* | 3.409* | 3.237 | 3.151 | 3.412* |

観測井水位・沈下量変化図

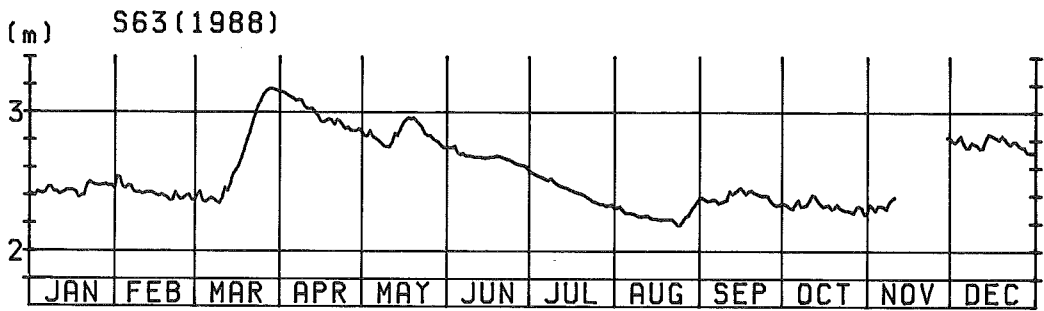
中島公園観測所 水位 深度 30.2m



北発寒観測所 A水位 深度 130m

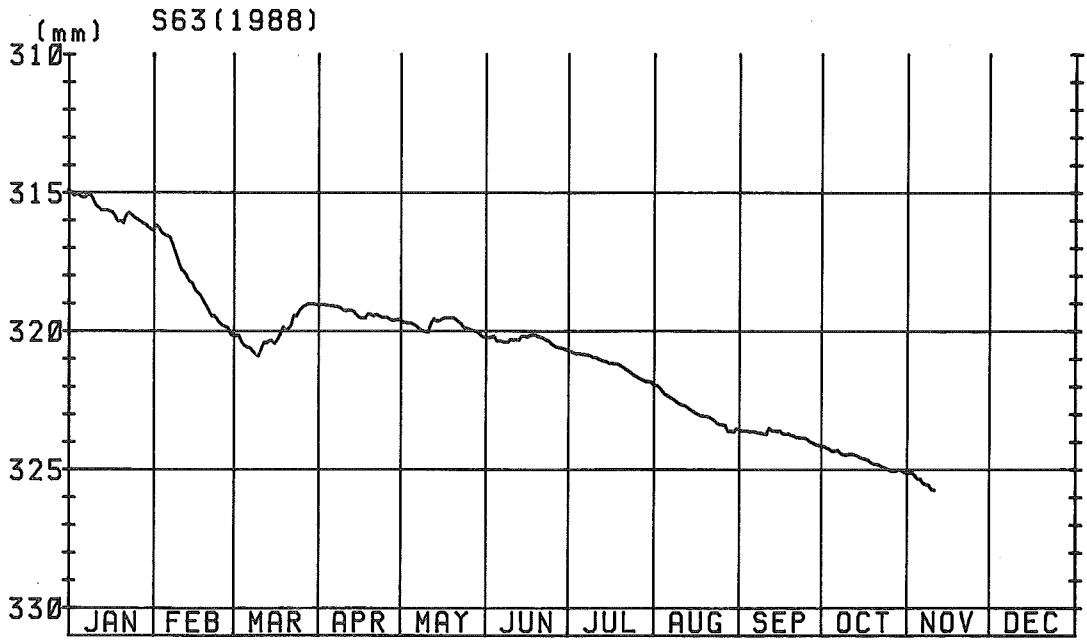


北発寒観測所 B水位 深度 6m



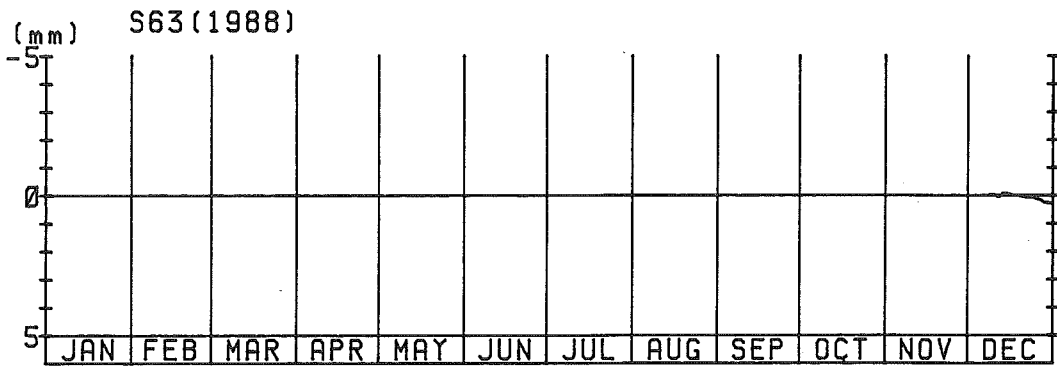
北発寒観測所

A 沈下

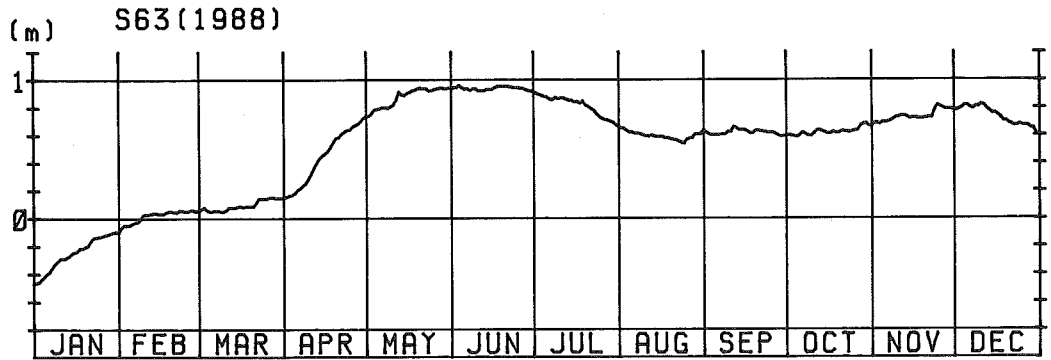


北発寒観測所

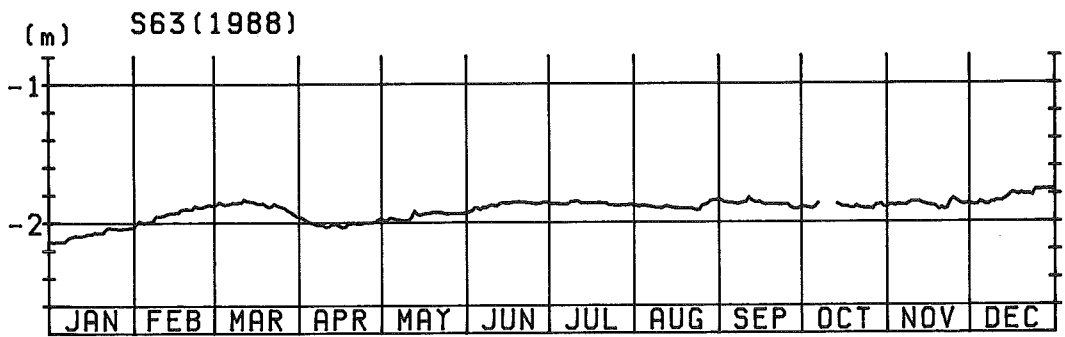
A 沈下



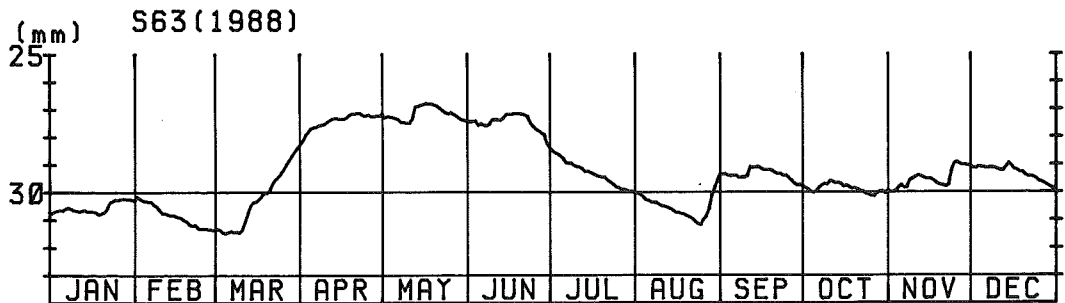
屯田観測所 A水位 深度 82.5m



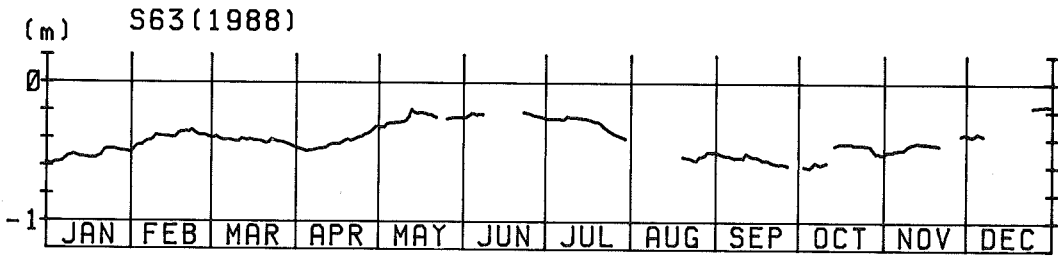
屯田観測所 B水位 深度 130m



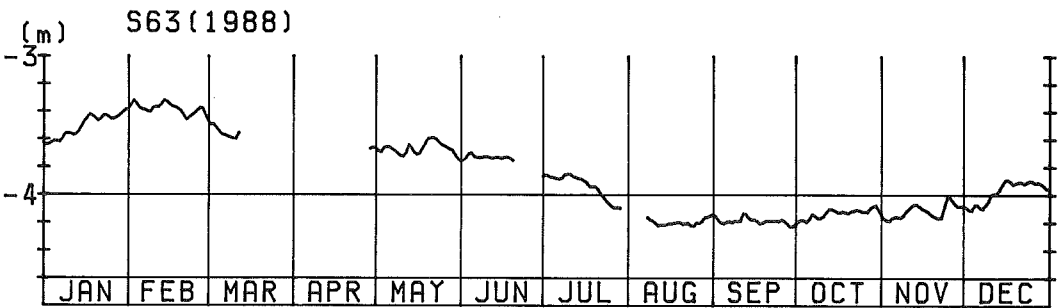
屯田観測所 A沈下



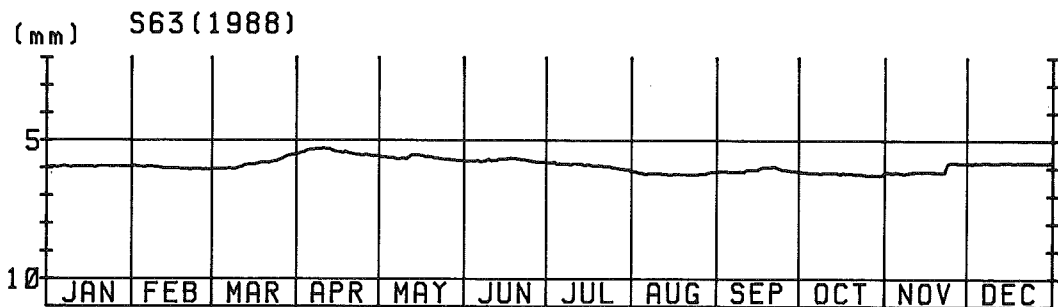
樽川観測所 A水位 深度 87m



樽川観測所 B水位 深度 200m



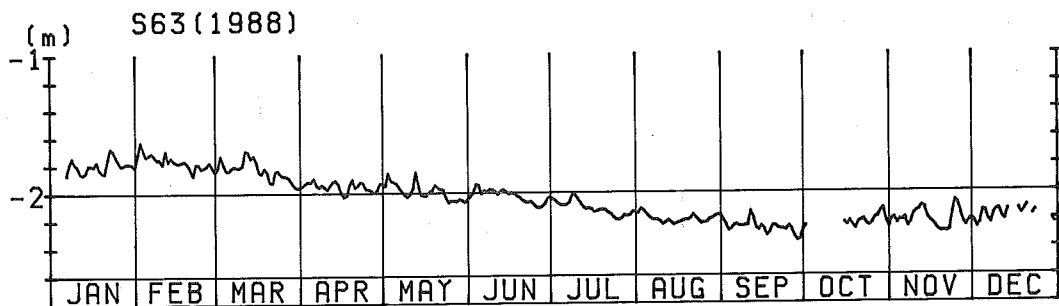
樽川観測所 A沈下



分部越観測所

A 水位

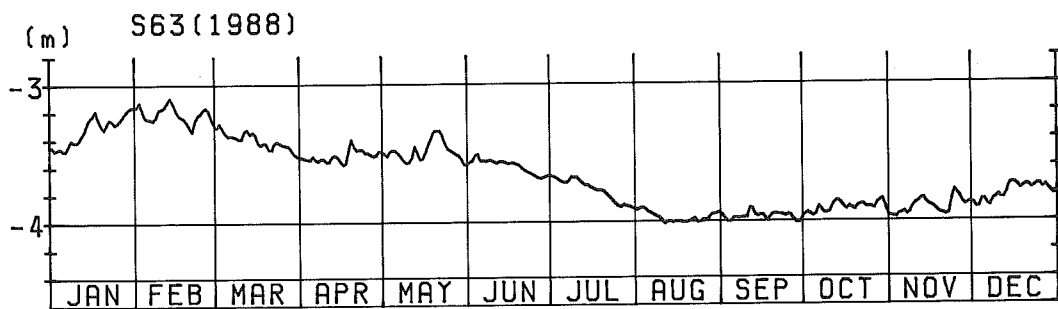
深度 200m



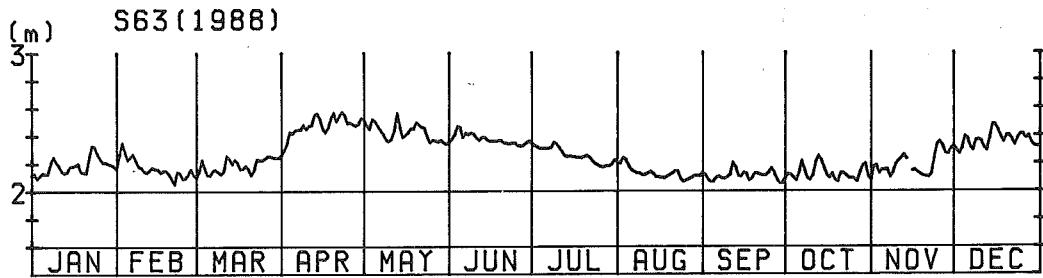
石狩No.1 観測所

水位

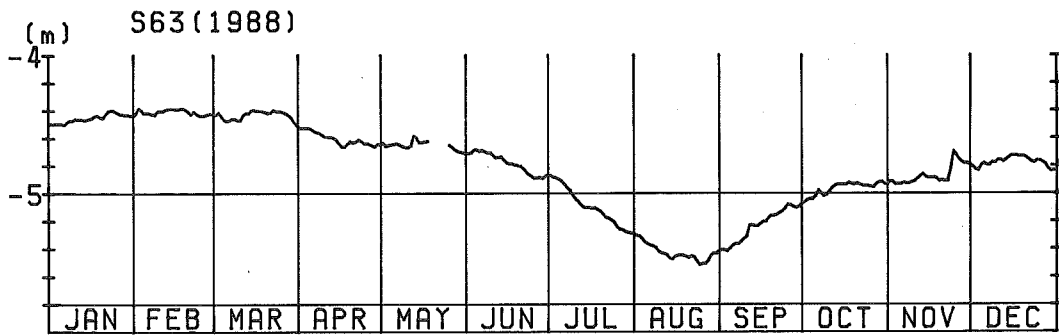
深度 200m



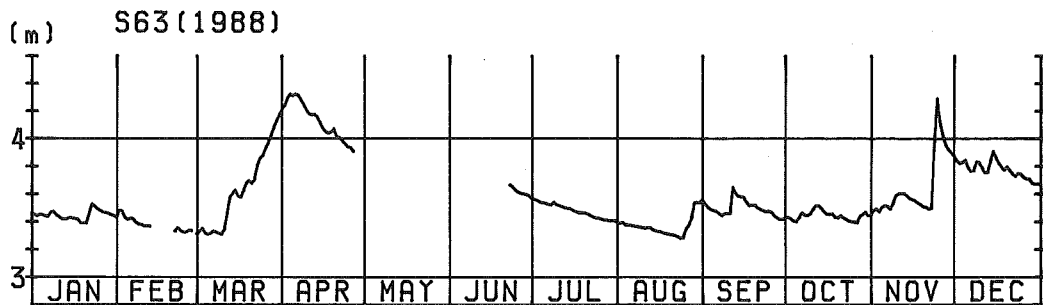
山口観測所 A水位 深度 35m



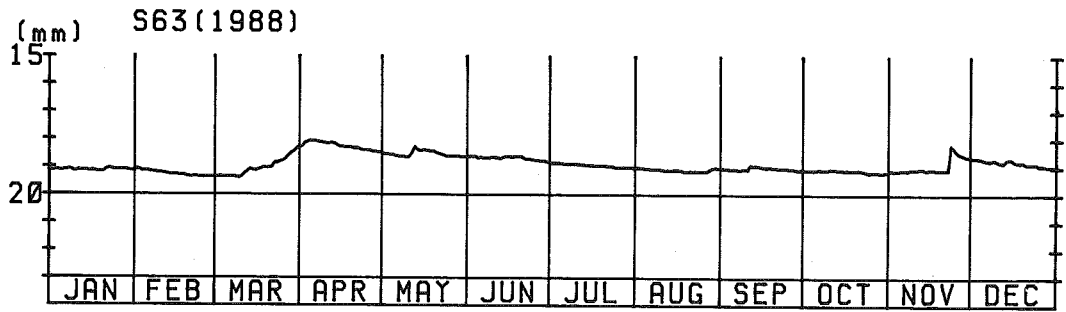
山口観測所 B水位 深度 146.5m



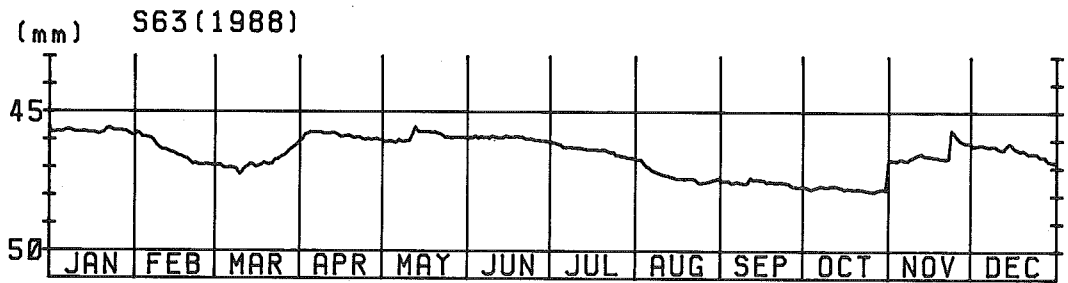
山口観測所 C水位 深度 6m



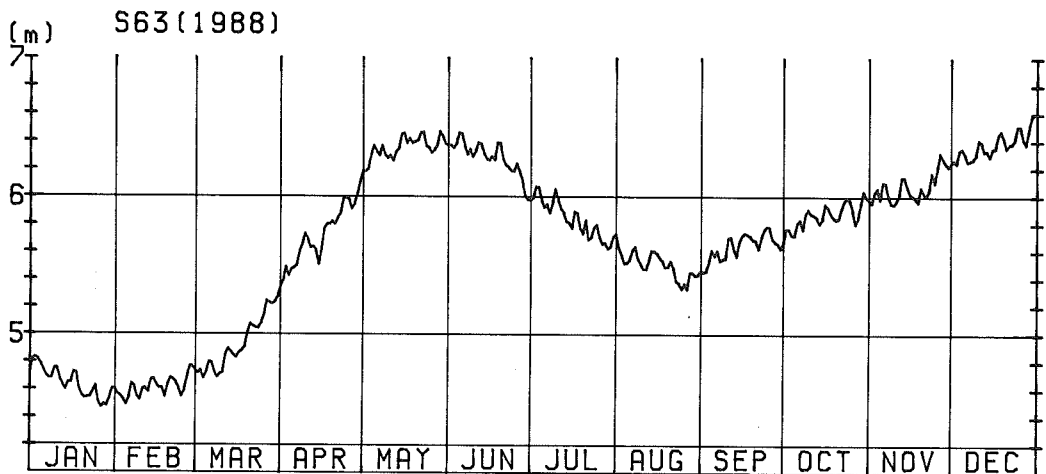
山口観測所 A沈下



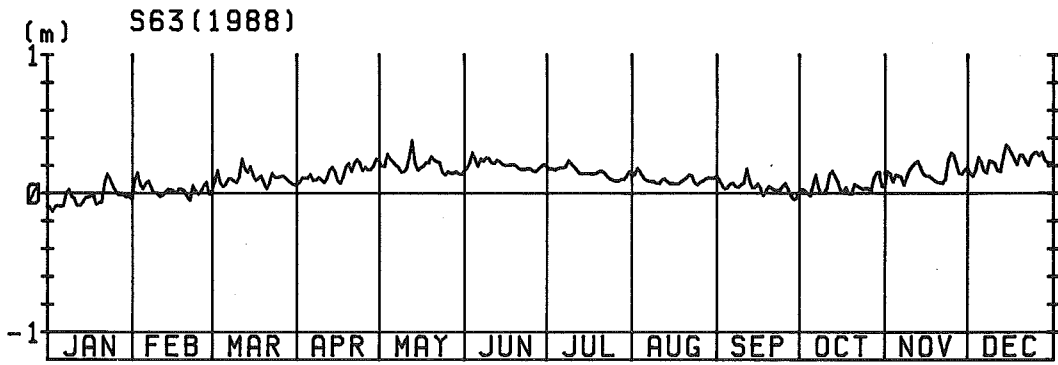
山口観測所 B沈下



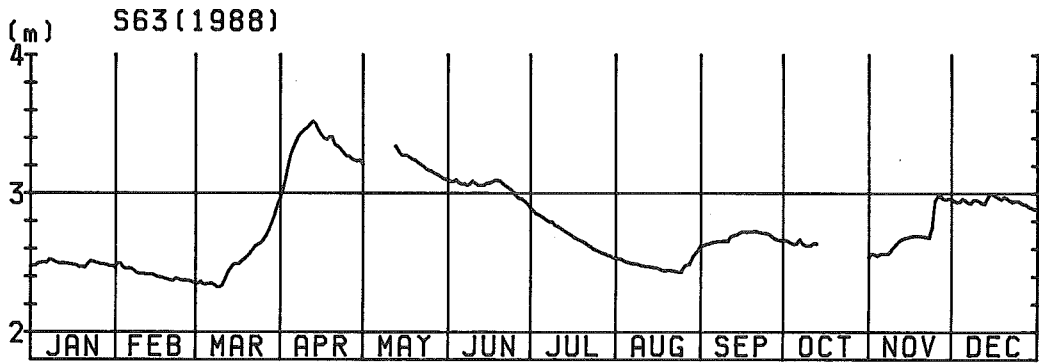
研究庁舎観測所 水位 深度 120m



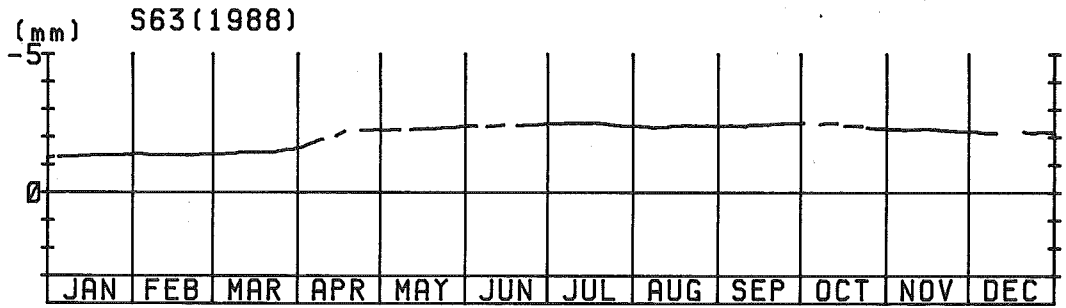
花畔観測所 A水位 深度 58.7m



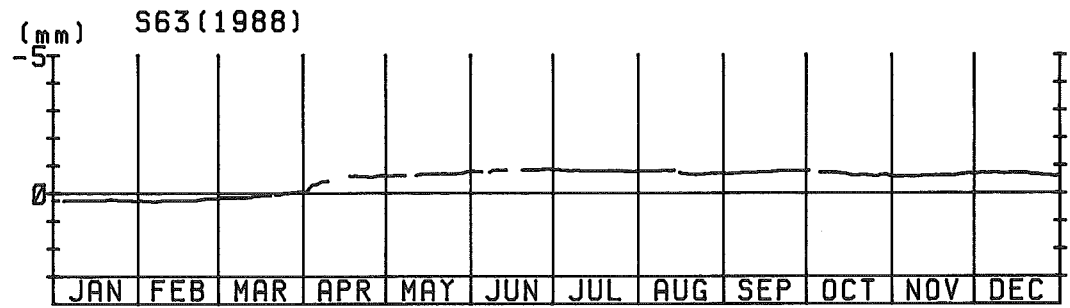
花畔観測所 B水位 深度 12m



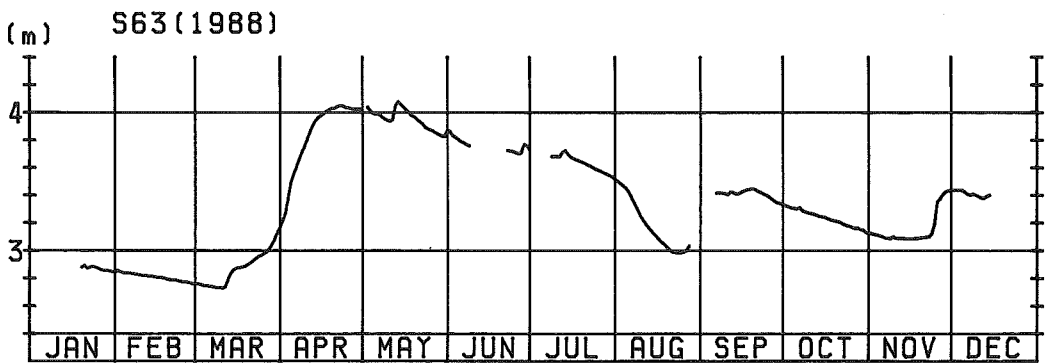
花畔観測所 A沈下



花畔観測所 B沈下

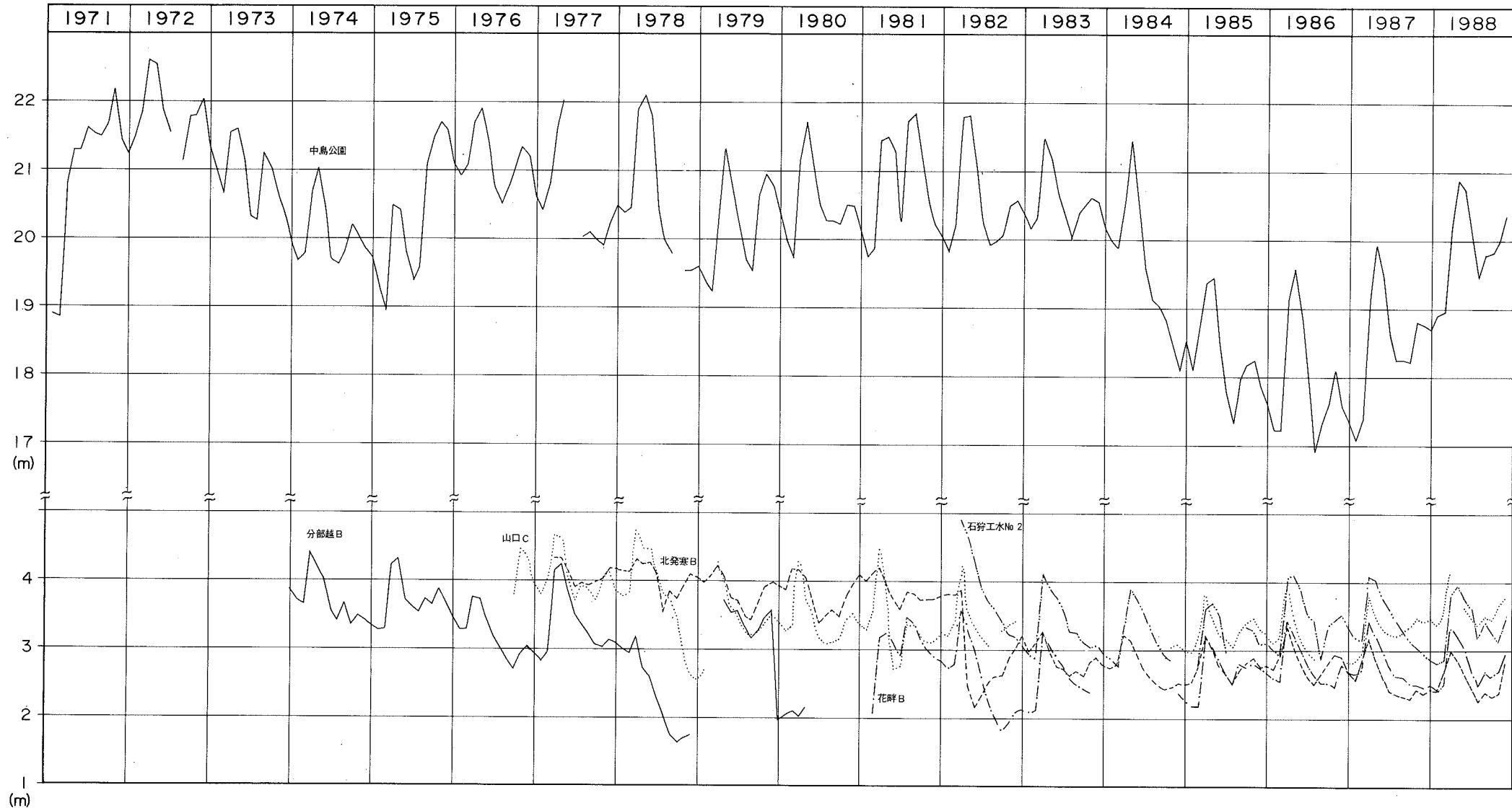


石狩工水No. 2 観測所 水位 深度 3.5m

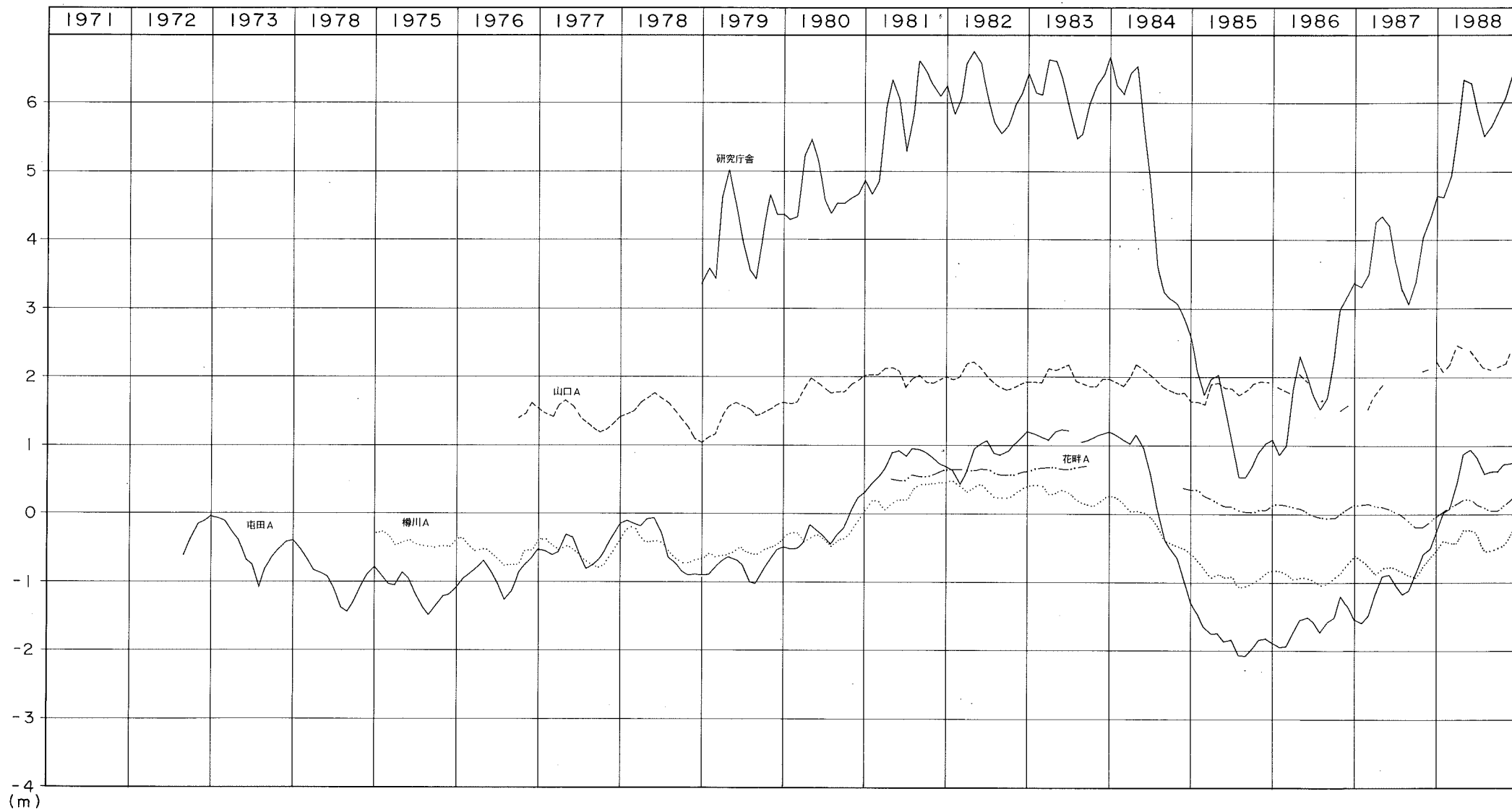


観測井水位・地盤沈下経年変化図

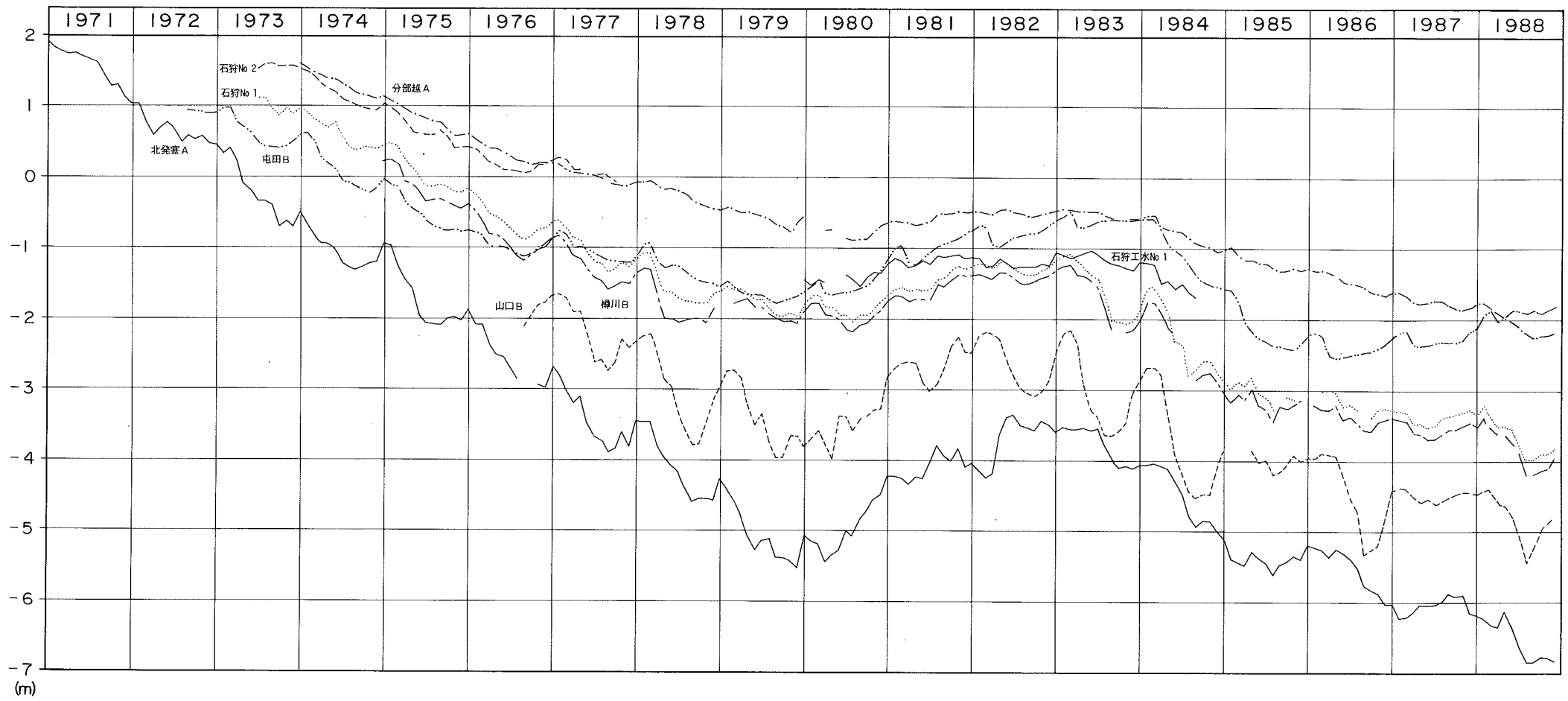
観測井水位経年変化図 (A)



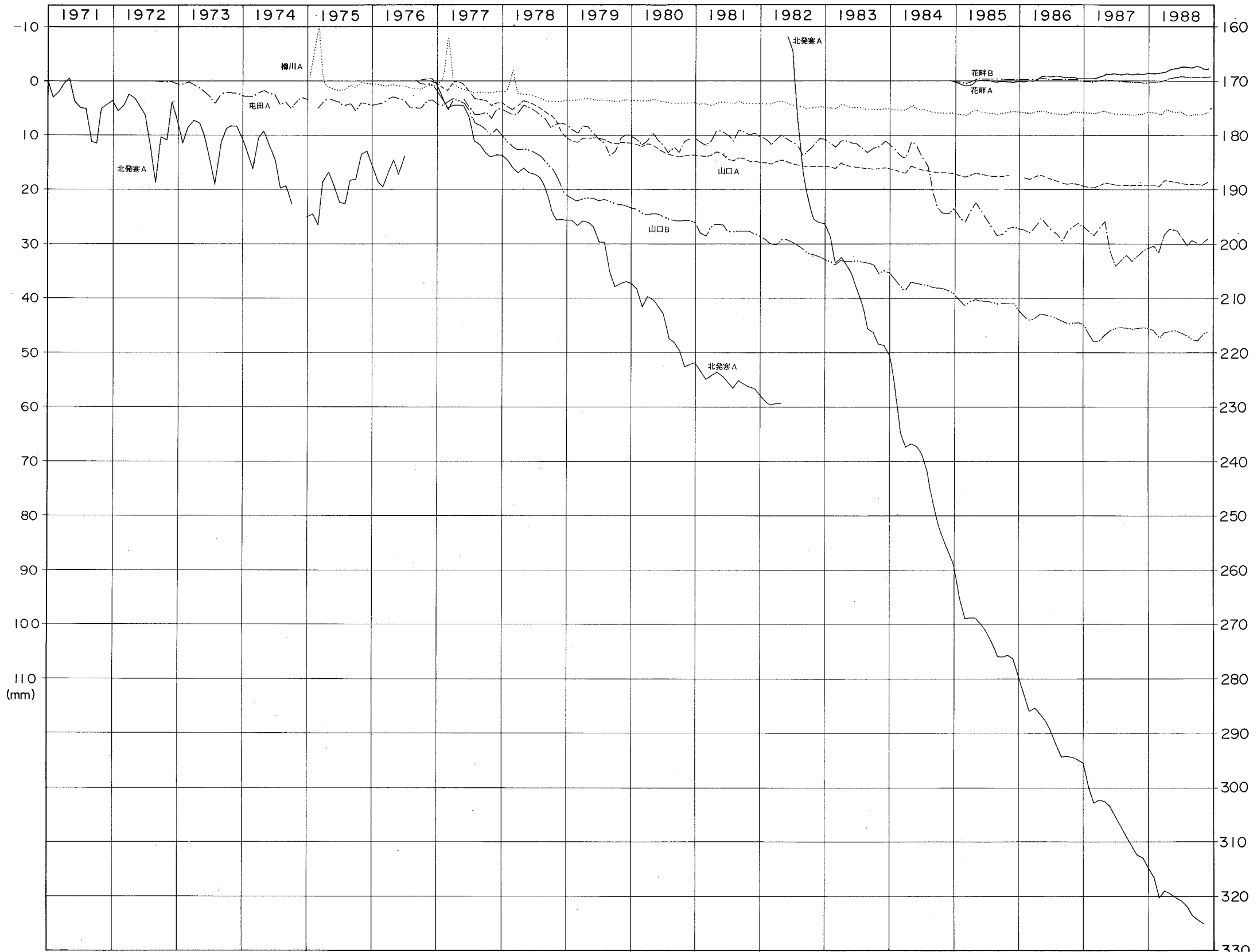
観測井水位経年変化図 (B)



観測井水位経年変化図 (C)



観測井地盤沈下経年変化図



地下水位観測記録 XI (昭和 63 年)
地盤沈下 (札幌市北部～石狩地区)

平成元年 3 月 27 日 (1989) 発行

北海道立地下資源調査所

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