

2023



MEMBERS HANDBOOK

INCLUDING:
TIDE AND CURRENT TABLES
SUPPLIER DIRECTORY



— PACIFIC COAST FISHERMEN'S —
MUTUAL MARINE
— INSURANCE COMPANY —

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This Document is an abbreviated version of Mutual Marine's 2023 Members' Handbook and is provided for information purposes only. In the event of any disagreement between this document and the printed document that is distributed to the membership, the printed document shall prevail.

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History

2020 marks the 75th anniversary of Mutual Marine and your Board is extremely proud to continue bringing quality marine insurance to BC fishermen at cost.

It all began when the Fishermen's Co-op Federation petitioned the Government of British Columbia for permission to form a marine insurance company. Though this was met with much opposition, the company was incorporated on March 28, 1945 by the passing of a Special Act of the B.C. Legislature, known as the *Pacific Coast Fishermen's Mutual Marine Insurance Company Act, 1945*.

Mutual Marine, (as it is commonly referred to today) had 20 vessel owners join the company in its first year of operation and insurance in force totalled \$250,000. Initially, as a precautionary measure the company insured no more than three-quarters of a vessel's value and the other one-quarter was effectively co-insured at the vessel owner's own risk. It was not until 1951, after overcoming the fear of vessel losses, that the company began insuring vessels up to 100% of value.

The concept of fishermen insuring each other surpassed every expectation. There was no other reference to follow, and members looked to each other for guidance and support.

The years since conception have been a learning and fine-tuning process for the company, always with the aim of providing its members with excellent protection at the least possible cost. The Mutual's diligent loss prevention work and stringent risk selection provide members the reassurance that they are among the safest and most conscientious commercial fishermen on the BC coast.

The benefits of joining Mutual Marine go well beyond the excellent service and value provided through insurance products. Included is the unique opportunity to have input in the operation of the company. When you join Mutual Marine, you have a real present say in the company's governance—one member one vote. In today's corporate world, this ability to make a difference is often lost to powers beyond our local influence.

We are truly created and operated by fishermen, for fishermen and you, as BC Commercial Fishermen will always be or core reason to be.

Our aim is to provide you the very best marine insurance AT COST and we are pleased to continue our delivery of that promise.

The Company

The company is supervised by a Board of Directors, all of whom are vessel owner members. The business of the company is thus transacted with a full understanding of fishermen's needs and problems. The members control the company through their elected Board - composed of 17 directors, representing all of the coastal areas of British Columbia. Directors serve for three years with one-third of the Board elected each year. Nominations take place at district meetings at various locations around the province so every member has an opportunity to take part. Members may nominate directors in the district they reside in and elections are held at the Annual General Meeting.

The Annual General Meeting is held in the Lower Mainland each April. Every member is a shareholder and has one vote. All members receive complete, factual reports in the company's Annual Report which is presented and analyzed at this meeting.

The company is a true Mutual in that all savings are passed on to the members. The entire surplus, after provision for reserves, is repaid to members insured in a "participating" pool on a pro-rata basis as a credit toward the following year's premium. The company's year-end is December 31st and refunds are generally credited to the members' accounts by the following February.

Over the years, the company has adopted various safety requirements for the vessels insured and compliance with all requirements is a condition of coverage. The company has its own surveyors on staff. Each vessel is surveyed when initially insured, and again each 3 years thereafter, or as required.

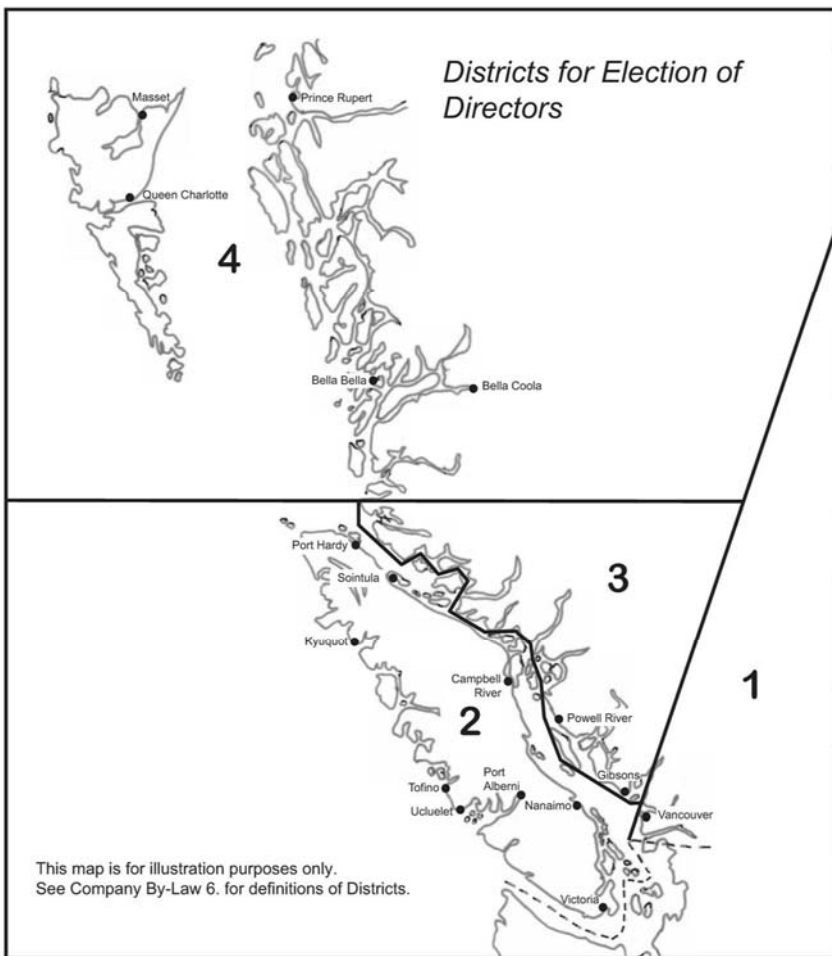
This Handbook is circulated to all members each year and should be kept on board your vessel for ready reference. Contained herein you will find the company's by-laws, rules and regulations, details of the equipment and interests insured, together with the perils insured against and the types of claims which cause problems.

As a member of the Mutual you are entrusted with its success. Though the company may stipulate requirements and procedures aimed at claim prevention, the ultimate success rests with the co-operation and support of all members.

Shares

Each member is required to purchase one share in the company (share certificates are not issued). Shares are non-interest bearing at a cost of \$10.00 each and redeemable at face value should the member leave the company.

Districts for Election of Directors



Area 1 Vancouver:	6 Directors
Area 2 Vancouver Island:	8 Directors
Area 3 Mainland, Sunshine Coast:	1 Director
Area 4 North Coast:	1 Director

Policy Directive

Issued by the Conduct Review Committee

WHEREAS the Financial Institutions Act provides for confidentiality with respect to information received by a financial institution pertaining to a customer's general insurance coverage or proposed general insurance coverage.

AND WHEREAS the Conduct Review Committee wishes to disseminate these requirements to all members and employees of the company.

NOW THEREFORE the Conduct Review Committee directs that all employees of the Company are hereby informed of provisions regarding confidentiality as follows:

1. All Board matters are confidential, including the minutes of the directors meetings.
2. The Board acts collectively and its decisions are decisions of the Board as a whole and not of any one director.
3. Where for the purpose of a transaction, the Company receives information pertaining to a customer's general insurance coverage, or proposed general insurance coverage, then, even if the Company is authorized by the customer to communicate the information, the Company shall not:
 - a) communicate any of the information to another person except as necessary in the performance of the Company's duty to the customer arising out of that transaction, or
 - b) use the information for a purpose other than that transaction unless the communication or use of the information is authorized or required by an enactment or in a court proceeding.
4. Where for the purpose of a transaction, the Company receives information other than information pertaining to the customer's general insurance coverage, or proposed general insurance coverage, the Company shall not:
 - a) communicate the information to another person except as necessary in the performance of the Company's duty to the customer arising out of that transaction, or
 - b) use the information for a purpose other than that transaction unless the communication or use of the information is:
 - c) authorized or required by an enactment or in a court proceeding, or
 - d) authorized in writing by the customer.
5. In accordance with the Financial Institutions Act, the Company and the directors shall keep information pertaining to a customer's insurance coverage strictly confidential. This applies to all information collected as part of an application, including the name and address of the customer and the expiry date, premium, and other details of the policy. This restriction applies even when a customer authorizes the release of the information, in which case the information shall be released directly to the customer.

6. All employees of the Company are required to observe and obey these provisions.
7. In addition, Management is instructed to implement such practical measures as are necessary to ensure the safekeeping of information in order to safeguard the confidentiality of such information.
8. This Policy Directive, issued in regards to the *Financial Institutions Act*, is additional to and incorporated with the Company's Privacy Policy, issued in regards to the *Personal Information Protection Act*.

Bursaries & Scholarships

The Mutual offers a number of financial awards to qualified students who are enrolled full-time at a post-secondary educational institution, including trade schools and maritime certification programs. Applications must be submitted by September 1st and are available from the company's office or website.

Rules and Regulations

The Rules and Regulations of the Mutual include any conditions, restrictions, requirements and/or exclusions with respect to coverage as are outlined in this Members' Handbook and/or as circulated to the members from time to time.

Notices

Any notice given in writing by the Mutual to any member or shareholder may be given by personal delivery, facsimile, e-mail, or by postage prepaid mail. In the case of notice by mail, e-mail, and facsimile, notice may be given to the last known address or facsimile number known to the Mutual of the member or shareholder. Notice by personal delivery shall be deemed to have been received at the time and date of actual delivery. Notice by facsimile and e-mail shall be deemed to have been received at the time and date of the transmission. Notice by prepaid mail shall be deemed to have been received ten days after the date of mailing.

Vessel's Commercial Fishing Licence Status

You are required to report any change in the vessel's licence status to our office immediately as this may require a change in the vessel's insured value or its insurability depending on its existing licence status and/or intended use of the vessel.

It is a condition of coverage that the vessel have a valid commercial fishing licence attached. In certain cases, exceptions to this condition may be granted and must be confirmed in writing. Otherwise coverage shall be deemed to have terminated immediately the vessel no longer has a commercial fishing licence attached. Return of unexpired premiums for late reportings of license removals requiring a policy cancellation, may be calculated only as far back as the first day of the month in which notice is received by our office.

Coverages

The following is a brief summary of the various coverages available, and some are explained in more detail later in this handbook. Your insurance with the Mutual automatically includes both *Hull & Machinery* and *Protection & Indemnity* coverages (except as noted). All coverages are subject to the rules and regulations of the Mutual. (See *Rules and Regulations*)

HULL & MACHINERY: (See *Hull & Machinery Coverage* for more details.) The *Canadian Hulls (Pacific) Clauses 1991* as amended, form the basis of the hull & machinery coverage subject to the rules and regulations of the Mutual.

Deductibles: (expressed as a percentage of vessel insured value)

- 1/4 of 1% of Value - minimum \$500, but 5% of Insured Value for Damage/ Loss caused by Earthquake, Fire/Explosion-following, Tsunami; and/or as circulated; and/or as specified in any particular policy.

\$5,000,000 PROTECTION & INDEMNITY [3rd Party Liability]: (See *Protection & Indemnity Coverage* for more details.)

Deductibles:

- \$5,000 per claim.

Our contract with reinsurers expires December 31st of each year and coverage may be subject to change, pending renewal terms.

OPTIONAL COVERAGES AVAILABLE:

Please contact our office if you are interested in obtaining any of the following optional coverage(s):

CARGO INSURANCE

- This is partial or total loss coverage to a limit of \$300,000 for loss caused by a marine accident. Cargo must be owned and produced by you. There is no coverage for Packers or Herring. Coverage must be arranged prior to the fishing season or otherwise agreed by our office, providing coverage is taken out prior to the insurable cargo being taken aboard. The premium is flat - not available for refund.

Rate: 0.3% flat (min \$250). **Deductible:** \$500 per loss.

ANCILLARY VESSEL INSURANCE

- This provides year-round coverage for *Total Loss only* of an ancillary vessel used with a mother vessel owned by the same owner and insured with the Mutual. Examples include dive skiffs, herring punts, fish packing barges, etc. Coverage includes *Collision Liability* subject to a deductible, and *Protection & Indemnity* as described above and later in this Handbook.

Rate: 2% eg. 2022 Net Rate (after 25% refund): 1.50% (min \$650)

Deductible: 5% of the insured value for *Collision Liability*, *Total Loss* caused by Earthquake, Fire/Explosion-following Earthquake, Tsunami; and/or as circulated by the Mutual.

POWER SKIFF INSURANCE

- This provides year-round coverage for *Total Loss only* of the power skiff, *Collision Liability* subject to a deductible, and *Protection & Indemnity* as described above and later in this Handbook. All policies are issued to expire June 30th of each year. The earned premium is subject to refund.

Rate: 2% eg. 2022 Net Rate (after 75% refund): 0.50%

Deductible: 5% of the insured value for Collision Liability, Total Loss caused by Earthquake, Fire/Explosion-following Earthquake, Tsunami; and/or as circulated by the Mutual.

Trading Limits

The *Hull & Machinery* and *Protection & Indemnity* coverages are subject to operation of the vessel within certain boundaries or *Trading Limits*. These coverages are ineffective at any time the vessel is beyond these limits. For vessels engaging in offshore fisheries, a written approval for extension of the offshore limit may be granted in accordance with the provisions described under *Extension of Offshore Limit for Offshore Fisheries* in this Handbook.

REGULAR TRADING LIMITS:

The Trading Limits for all vessels (except those granted an extension in writing) are outlined in a diagram following this section and are described as follows:

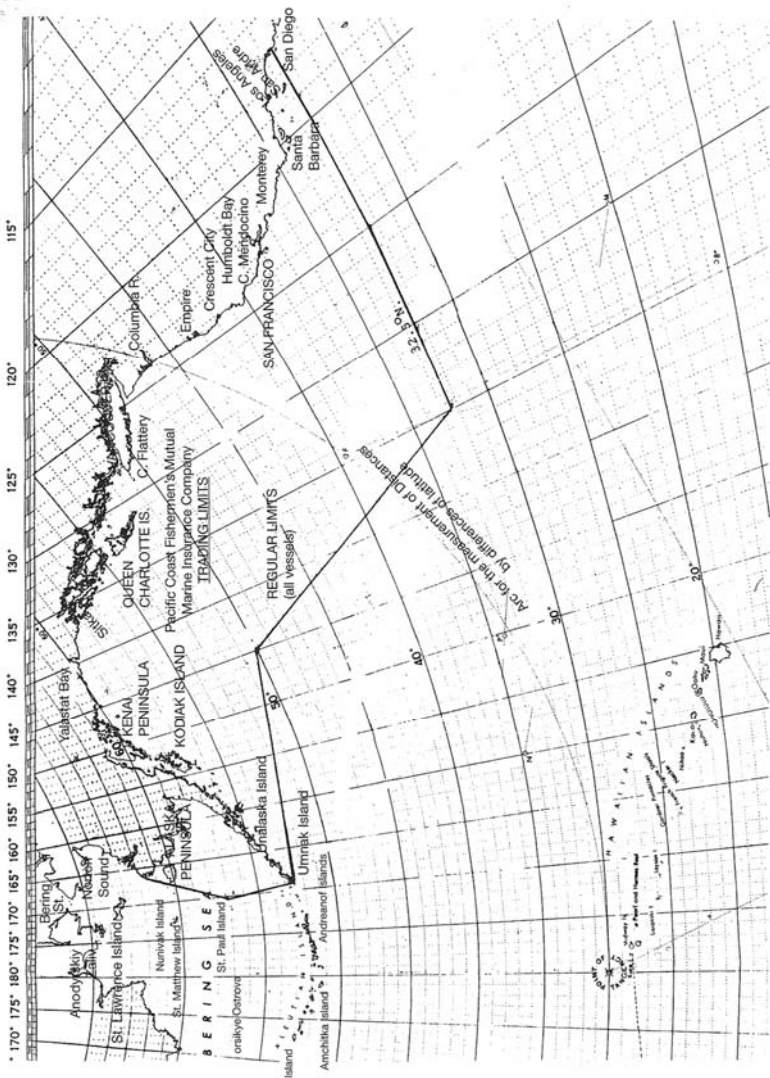
During the currency of this policy the vessel is to be confined to the waters of the Gulf of Alaska, the Bering Sea, the Bristol Bay, and of British Columbia (including the West Coast of Vancouver Island and West Coast of Queen Charlotte Islands), Puget Sound, the Straits of Juan de Fuca, the West Coast of Washington, the West Coast of Oregon and the West Coast of California and shall not navigate on the Fraser River, British Columbia, east of the mouth of the Sumas River nor outside of a line drawn from the northwest point of Hooper Bay, Alaska to the west point of St. Paul Island, Alaska to the west point of Umnak Island, Alaska to 50° N. Latitude, 145° W. Longitude to 32.5° N. Latitude, 135° W. Longitude to 32.5° N. Latitude at San Diego, California.

No coverage is provided should the vessel be outside the trading limits for any loss occurring when the vessel is outside the trading limits or occurring directly or indirectly as a result of the vessel being outside the trading limits, provided that when the vessel re-enters waters within the trading limits, coverage is automatically reinstated for losses occurring or arising within the trading limits provided that the vessel, when re-entering waters within the trading limits, is in a seaworthy condition.

Any travel beyond the above trading limits requires approval in writing from Underwriters each calendar year.

Diagram of Trading Limits

The following diagram indicates the company's regular allowable Trading Limits for all vessels, except those granted an extension in writing.



Extension of Offshore Limit for Offshore Fisheries

If you require an approval to operate your vessel beyond our Regular Trading Limits (see Trading Limits) you must contact our office and file an application on the prescribed form. Approval, if any, by the underwriter will extend coverage to an offshore limit of a line drawn from Umnak Island, Alaska to 32.5 degrees N. Latitude by 150 degrees W. Longitude. The southern limit of 32.5 degrees N. Latitude remains unchanged.

APPLICATION FOR THE EXTENDED OFFSHORE LIMIT:

- Must be made to our office in writing each calendar year (ie. between Jan. 1 & Dec. 31 in any year) on a form prescribed by Underwriters.
- Approval must be granted in writing by the underwriter prior to departure and shall be considered valid only for the calendar year indicated on the prescribed form.

VESSEL INSPECTIONS:

- The vessel must be inspected and approved by our surveyor prior to departure. It is required that you contact our office at least 3 weeks in advance to arrange for an inspection. If our surveyor is unable to inspect the vessel on short notice, you will be required to hire and pay for an inspection by a *surveyor* or *inspector* acceptable to our office.
- The vessel must be inspected when granting the first approval, and again at least every 3 years thereafter. Furthermore the vessel owner must notify our office of any additions or modifications that have been made to the vessel subsequent to its last offshore inspection. Any modifications made which could adversely affect its stability, freeboard, deck clearing or general seaworthiness, must be inspected prior to departure. (eg. Changes to the number, capacity or location of fuel &/or water tanks &/or scuppers, additional deck equipment or wheelhouse modifications or any change that increases vessel's top weight or impedes deck clearing, change in the amount or location of ballast, change in the height of the bulwarks, etc.)
- The vessel is to be inspected in the condition it would be departing for offshore.
- Any deficiencies noted in the inspection must be met prior to departure. If a Requirements Report is issued after inspection, it is to be signed and returned to our office prior to departure, certifying all requirements have been met.

OFFSHORE OPERATIONAL RECOMMENDATIONS:

- It is strongly recommended that vessels travel/fish in the company of other vessels (ie. in a "buddy system") and have "monitored" communication between each other.

VESSEL REQUIREMENTS:

- Vessels must comply with all of the Mutual's standard insurance requirements and in addition, the vessel must be equipped with:
 - SSB communications.
 - an adequate towing bridle and tow-line.
 - storm windows to be installed on all front and side windows (min. 1/4" plexi-glass or min. 3/16" lexan).
 - sea anchor.
 - spare equipment for the main engine [including: starter, injector(s), plenty of fuel filters, engine cooling pump(s), etc.] OR, alternatively be equipped with a secondary source of propulsion.
 - Preferably fuel is to be carried in tanks below decks however if fuel is carried on deck, containers must be adequately secured and must not adversely affect the stability of the vessel or its deck drainage capabilities.

There is no coverage for damage/loss resulting from the carriage of fuel on deck.

WORKERS' COMPENSATION (WCB) COVERAGE:

- It is up to the vessel owner to ensure all persons on board are covered for W.C.B. or equivalent.

TOWING:

- The underwriter will not cover towing costs outside the regular limits, but costs inside the regular limits will be settled as usual in accordance with the policy.
- It is strongly recommended that there be an agreement amongst your "buddy system" to minimize towing costs in the event a tow is required.
- There is no coverage for tow costs resulting from running out of fuel.

PREMIUM SURCHARGE:

- There is no premium surcharge at this time.

OTHER:

- It is recommended that all Coast Guard and Workers' Compensation regulations are complied with.
- No coverage is provided should the vessel be outside the trading limits for any loss occurring when the vessel is outside the trading limits or occurring directly or indirectly as a result of the vessel being outside the trading limits,

provided that when the vessel re-enters waters within the trading limits, coverage is automatically reinstated for losses occurring or arising within the trading limits provided that the vessel, when re-entering waters within the trading limits, is in a seaworthy condition.

Vessel Modifications & Seaworthiness

REPORTING MODIFICATIONS THAT MAY AFFECT VESSEL SEAWORTHINESS:

- Any additions or modifications made to your vessel subsequent to its last inspection or regular survey by Mutual's surveyor, that may adversely affect the vessel's stability, freeboard, deck clearing capabilities or general seaworthiness must be reported to the company prior to the vessel leaving for the fishing grounds. In such circumstances the Underwriter retains the right to conduct another inspection or regular survey, and/or require the vessel to undergo and pass a stability test prior to the vessel departing for fishing. Failure to notify the Mutual and abide by this condition of coverage may render your coverages ineffective.
- The following are some examples of changes to the vessel which must be reported: carriage of tanks or equipment on deck; anything added on deck that may hinder deck clearing capabilities; any substantial change in the vessel's freeboard; change to the number, location, and/or deck clearing capacity of scuppers; change in ballast; change in height of bulwarks; any wheelhouse or superstructure modifications, etc.

VESSEL SEAWORTHINESS:

- It is the assured's (or his/her agent's) obligation and duty to ensure that the vessel is sound and seaworthy prior to commencement of any voyage.

(See "*Hull & Machinery Coverage*" for details)

REPORTING SIGNIFICANT ADDITIONS AND/OR DELETIONS OF VESSEL EQUIPMENT:

- The assured has a duty to report any significant change(s) in vessel equipment to Mutual Marine. In the event of a claim, it is very important that your vessel's survey be as up-to-date as possible. A change in the vessel's Insured Value and/or Rate class may be justified or required, as determined by the Mutual Marine, depending upon the equipment changes made. If unreported, changes made to the insured vessel could void or adversely effect coverages.

Skipper Approvals

The Mutual requires as a condition of your *Hull & Machinery* and *Protection & Indemnity* coverages that you obtain advance approval from the company for a skipper to operate your vessel. No coverage is provided if your vessel is under command of, or being operated by, a non-approved skipper regardless of his/her qualifications or whether it was his/her actions which caused a loss.

For skipper approvals granted by telephone, you must obtain a "confirmation" number from our office to verify any verbal approval.

Any approval shall be considered a "standing" approval for that skipper on that particular vessel provided there is no change of restrictions (if any). Mutual reserves the right to revoke or limit a skipper's approved status.

A skipper approval is not transferable to another vessel.

A skipper may be approved with certain restrictions such as *in-harbour only* or *port to port*, etc. which would not constitute approval to *fish* the vessel. You must apply to have any change of restriction approved.

The assured to the policy will be advised in writing via pre-paid post to their last known address, via facsimile to their last known facsimile number, and/or by e-mail of: confirmation of any approved applications, any rejected or tabled applications, any changes in a skippers "approved" status, or an approval which has been granted on a "restricted" basis.

There may be a processing fee applicable for a skipper approval, which will be charged to the vessel owner. (See *Hull & Machinery Coverage - "Processing Fees"* for details). Where an approved application is subject to a processing fee, the account statement detailing the processing fee shall be the confirmation of the approved application.

Rates & Refunds

Subject to any change, the following rate categories are all-inclusive of *Hull & Machinery* and *Protection & Indemnity* coverages:

- **2.8% Regular Class Rate:** 2022 Net Rate (after 63% refund*): **1.036%**
Any age, any value, any type construction (excluding outboard powered), gas or diesel.
- **1.5% "A-1" Class Rate:** 2022 Net Rate (after 32% refund*): **1.020%**
Classified in "A-1" condition, value of \$200,000 and over:
 - *Fiberglass* or *Steel* construction, up to 30 years of age
 - *Aluminum* construction, up to 20 years of age
- **2% NON-PARTICIPATING Rate:** (ie. No Refund)
All insurable vessels other than trawlers
- **1.5% NON-PARTICIPATING Rate:** (ie. No Refund)
Fiberglass, Steel or Aluminum Classified in excellent condition, value of \$300,000 and over.

Outboard powered vessels insure in the 3% outboard rate which received a 50% refund* for 2022.

Ancillary vessels insure in the 2% total loss only pool which received a 25% refund for 2022.

Any "T" licensed vessel that at any time during the policy year engages in trawling, must insure under the following TRAWLER rates:

- **3.15% Rate:** 2022 Net Rate (after 64% refund*): **1.134%**
- **1.75% "A-1" Rate:** 2022 Net Rate (after 39% refund*): **1.068%**
Vessels classified in "A-1" condition, value of \$200,000 and over
 - *Fiberglass*, or *Steel* construction, up to 30 years of age
 - *Aluminum* construction, up to 20 years of age
- **1.5% NON-PARTICIPATING Rate:** (ie. No Refund)
Fiberglass, Steel or Aluminum Classified in excellent condition, value of \$300,000 and over.

* **Due to CRA rules, 15% of declared refunds are withheld for payment to CRA as a credit to the member's income tax account.**

Subject to any change, the minimum "net" annual premium payable in any rate category is \$650.

New Members are eligible for 100% of the declared refund for their first year of membership provided it is claim free. Otherwise Patronage Refunds for a new member's first 12 months' coverage are as follows:

3% and 3.5% rates = **75%** of the declared refund

1.5% and 1.75% rates = **50%** of the declared refund

No Patronage Refund will be returned on a policy having a claim for 50%, or more, of the insured value or for Total or Constructive Total Loss.

Protection & Indemnity Coverage

* * 3rd Party Liability Coverage * *

Limit: \$5,000,000 any one accident, occurrence, or series of occurrences.

Deductible: \$5,000 per claim.

Vessels insured by the Mutual are covered for P&I so long as a vessel's Hull & Machinery policy remains in effect. Individual P&I policies are not issued and no extra premium is charged. The Mutual obtains reinsurance for this coverage on a fleet basis. The reinsurance policy is considered the "Master Policy" and could be subject to change upon expiry of the agreement each December 31st. The terms and conditions of the Master Policy are available to any member upon request. The P&I coverage is also subject to the *Rules & Regulations* of the Mutual.

The following is a brief outline of the Protection & Indemnity Coverage provided to members of Pacific Coast Fishermen's Mutual Marine Insurance Company. This will serve as a guide only.

This insurance protects and indemnifies you as shipowner in respect of liabilities and expenses which you have become liable to pay and shall have in fact paid in respect of the vessel insured. **Liability should never be admitted in the event of an accident.** Liability, if any, is to be established through the courts or by agreement of underwriters.

Any claim (actual or presumed) must be reported to the Mutual immediately. A claim (or potential claim) may be reported through a representative or the office of the Mutual. Normally, the office will direct you to file a written statement with a solicitor appointed to handle the matter.

This policy indemnifies you against certain legal liabilities incurred as shipowner as set out therein subject to certain exclusions always provided that your vessel is insured for its full value against marine perils under a standard form of marine hull insurance policy issued by Pacific Coast Fishermen's Mutual Marine Insurance Company.

The P&I coverage is effective only for *commercial fishing purposes and pleasure use*. For any other commercial purposes you should obtain alternate liability coverage from an outside insurer.

Note: Power skiffs and ancillary vessels must be insured separately from the mothership in order to be covered for P&I. This is optional coverage that must be applied for. See "*Coverages (summarized)*" for details.

COVERAGE:

In general, the P& I coverage protects the vessel owner in respect of liabilities and expenses he is liable to pay in respect of the vessel insured for various types of accidents. While reference should be made to the Master Policy, some of the items covered subject to certain restrictions are as follows:

- loss of life, or personal injury to, or illness of any person, provided that the liability to crew members for matters covered by workers' compensation is not covered. (*You are required to ensure that all workers on board including crew are covered by Workers' Compensation at all times.*)
- damage to other vessel or craft, provided that the liability does not arise due to a contract. (*Collision Liabilities are covered only in excess of the coverage provided by the collision liability clause of the Hull and Machinery Policy*)
- damage to a dock, pier, harbour, bridge, jetty, buoy, structure, cable, dolphin, seaplane, fixed or movable object.
- Subject to the terms of the Master Policy, actual or potential discharge, spillage, or leakage of pollutants provided the polluting accident or occurrence:
 - was accidental and was neither expected nor intended by the Assured. An occurrence shall not be considered unintended or unexpected unless caused by some intervening event neither foreseeable nor intended by the Assured; and
 - can be identified as commencing at a specific time and date during the term of the Policy; and
 - became known to the Assured within 72 hours after its commencement; and
 - was reported in writing to Mutual Marine within 30 days after having been known to the Assured; and
 - did not result from the Assured's intentional and wilful violation of any government statute, rule, regulation, or ordinance; and
 - did not arise from or during services provided under a contract of salvage.
- removal of wreck when such removal is compulsory.

Always provided that the liabilities and/or expenses did not arise from a commercial and/or "for profit" activity other than commercial fishing. It is a condition of coverage that vessels remain tied to fuel scows/floats/docks only so long as necessary.

EXCLUSIONS OF COVERAGE:

The following are particular exclusions of coverage that you should be aware of:

- use of the vessel for any commercial and/or "for profit" purpose other than commercial fishing (*egs. Sport-fishing charters, sight-seeing charters, whale watching charters, etc.; logging, hand-logging, or towing logs or any venture directly or indirectly related*).
- fines imposed, of any nature whatsoever.
- punitive and exemplary damages.
- towing (other than vessels in distress)
- liability arising at any time the vessel is outside the applicable *Trading Limits*. (*See Trading Limits & Extension of Offshore Limit For Offshore Fisheries*)
- liabilities arising from the sale of your product.
- defence costs incurred without the written consent of underwriters.
- Liability relating to Communicable Disease as per American Institute Communicable Disease Exclusion (6/15/2020).

Hull & Machinery Coverage

(DETAILS AND CONDITIONS)

POLICY DEDUCTIBLE: (expressed as a percentage of vessel insured value)

- 1/4 of 1% of Value - minimum \$500, but 5% of Insured Value for Damage/Loss caused by Earthquake, Fire/Explosion-following, Tsunami; and/or as circulated; and/or as specified in any particular policy.
- A deductible of 2.5% of insured value with a minimum deductible of \$5,000 shall apply to all claims involving Loss of or Damage to the insured vessel's Surface Drive(s), Jet Drive(s) and Associated propellers, impellers, and/or wear rings.

The policy deductible applies to all claims except the cost of refilling extinguishers used in a fire. The deductible will be reimbursed to an "innocent" member if charges to the claim are fully recovered from a 3rd party, including the deductible portion.

PROCESSING FEES:

Such fees are non-refundable, except where an interim approval granted by the office is not accepted by the Board of Directors.

Non-owner skipper approvals:

\$100 - for approval of a first-time or previously rejected applicant

No fee will be applied for a previously approved skipper's approval on a same or similar vessel.

Cancellation and reinsuring:

\$200 - will be charged to reinsure the same member/same vessel within 12 months' time, if cancellation of the previous policy was other than on expiry. This includes policies cancelled for non-payment of premium, non-compliance with vessel requirements, non-approval of skipper, lease/charter agreement purposes, etc. This would not apply to cancellation of the policy to temporarily insure elsewhere for *builders' risk* coverage.

NSF Cheques:

\$ 20 - will be charged for NSF premium payments.

NON-OWNER/OWNER OPERATED CLASSIFICATION:

A vessel will be considered *owner-operated* only when the operator is a partner having 25% or more interest in the vessel. All other vessels will be classified as *non-owner operated*. The company must be advised of changes in shareholders or partners in the ownership of a vessel.

VESSEL SEAWORTHINESS:

- The skipper and crew must be familiarized with the vessel in respect of all safety/operational procedures and loading capabilities prior to departure. It is the responsibility of the vessel owner (or his/her agent) to ensure all equipment is in good working order and that the vessel is sent to sea in a sound and seaworthy condition. A loss may be declined if the ship is sent to sea in an unseaworthy state with the privity of the owner or his/her agent.

- The vessel must comply at all times with the requirements for insurance with the company. It is the vessel owner's responsibility to ensure all vessel requirements are in place and operable.
- "Wet" pumping of fish from a fishhold designed for dry cargo, without watertight and proper divisions is not permitted and any damage caused by such procedure is not covered. Contact our office for information as to the company's requirements for watertight divisions of cargo holds.
- Before travelling or fishing in a "light" ship condition which may render the vessel unstable, the vessel must be properly "ballasted".

TIE-UP AT FUEL DOCKS:

It is a condition of coverage that vessels remain tied to fuel scows/floats/docks only so long as necessary for the taking on board of fuel, lubricants, or for steam cleaning, disinfecting, etc.

MEMBERS/AGENTS NOT TO AGREE TO LIABILITY WAIVERS:

Members or their agents are not permitted under our policies of insurance to sign, or agree to, a disclaimer or waiver of liability with any 3rd party which may effectively waive or limit the underwriter's subrogation rights. Your policy of insurance will not follow you for any damage incurred where you or your agent effectively waived or limited the right to claim any liability against a 3rd party should they be considered liable. (egs. agreements with shipyards, repairers, haul-out facilities, tie-up facilities, lease or charter agreements, etc.)

INSURANCE POLICY RENEWALS:

Your marine insurance policy is an annual contract. Policies (except those without a sufficient credit balance at expiry) are renewed automatically approximately one month prior to expiry. You should contact the office immediately upon receipt of the new policy should you not wish it to be renewed. If you have made any changes to your vessel's equipment you should include a note with your premium payment describing additions and/or removals. Include the cost and *serial numbers* where applicable.

PREMIUM PAYMENTS:

We ask all members to ensure arrangements have been made for payment of premiums prior to departure should you be fishing when the premium becomes due.

- **For new policies**, full premium is considered due upon commencement of coverage. Financing may be arranged if full payment cannot be made immediately.
- **For Renewals**, premium is due within 60 days of the renewal date, except for accounts without a sufficient credit balance. In those cases, premium is due on, or before the effective date. Numerous payment options are available.

- **Change of rate from 2% Non-Participating to 2.8%:** requires 1/2 of the premium paid on or before the effective date by either certified cheque or bank draft with the other 1/2 payable within 3 months. *Post-dated cheques are gratefully accepted.*
- **Change of rate from 1-1/2% Participating to 2.8%:** requires 1/2 of the premium (less any credits on account) paid on or before the effective date with the other 1/2 payable within 3 months. *Post-dated cheques are gratefully accepted.*

Anyone requiring more time to pay their premiums may feel free to contact our office to arrange for payment by instalments. Any unpaid balance however, will be subject to surcharge.

INSURANCE POLICY CANCELLATIONS:

Requests for policy cancellations cannot be back-dated further than the beginning of the month in which the request is made. To maximize any cancellation credits you should contact our office immediately if you require a policy to be cancelled.

Cancellation credits are calculated based on 100% of unexpired premium for the number of days remaining to the expiry date of the policy LESS any balance of premium owing.

Cancellation credits may be refunded to whomever paid the premium, or transferred to another policy, or may be left on hold for a short period of time pending the purchase of another vessel. Interest is not paid on amounts left on hold.

Cancellation of your hull policy will usually mean that membership in the Company is terminated and cancellation credits will also include \$10 refunded for your member's share.

Members insured under a hull policy that is subject to Patronage Refund (see *Rates & Refunds*) are eligible to receive a Patronage Refund based on the premium earned from January 1st to the date of cancellation of the policy. Any such Patronage Refund will be paid out in March of the following year.

TRANSFER OF VESSEL OWNERSHIP OR MANAGEMENT:

If the vessel is sold, transferred voluntarily or otherwise to new management, or chartered on a bare boat basis involving the vessel being out of the care, custody, and control of the owner for more than a year, then insurance coverages shall be deemed to have terminated from the time of sale, transfer, or charter. For reference, a bare-boat charter means a ship charter agreement under which the charterer has complete possession and control of the ship, including the right to appoint its master and crew. Your insurance policy is non-transferable and you must contact the office immediately should any of these situations occur.

BUILDERS' RISK:

Our policy of insurance is a Full Form marine coverage. If the vessel is undergoing major repair or rebuilding you may require *Builders' Risk* coverage, more suited to such situations and which we do not provide. Contact our office should you require further clarification or direction.

VESSEL NAME TO BE DISPLAYED:

- on the vessel at all times, and be clearly visible

COVERAGE OF EQUIPMENT:

- In the event of loss where the damaged items cannot be confirmed, any equipment not listed on the vessel's survey will require the original invoices to be produced.
- Only equipment *owned* by the assured is covered. Crew or others' equipment or property is not covered.
- Equipment moved temporarily from one vessel to another is not covered.
- Equipment stored off the vessel is covered providing it is kept under lock-and key at the storage location.
- *Satellite phones* or *cellular telephones* are not covered when in use off the vessel.
- *Tools* (including *power tools*) are automatically insured to a maximum of \$1,000. If you require a higher tool allowance you must submit an itemized written inventory listing their values. Only tools normally kept on board the vessel are covered.
- *Survival and cruiser suits* are covered and the allowance in the event of loss is "new-for-old" for the closest equivalent replacement. *Floater jackets* are not covered.
- One set of dive gear, if available for the safety of the vessel, only while on board the vessel, to a maximum of \$2,500.
- The following are various allowances in the event of loss:
 - *Lifeboat/skiff* - lesser of "replacement" or "survey value"
 - *life-raft* - "new-for-old" less cost of repacking if the raft had not been serviced within the last year.
 - *life-jackets, charts/atlases, batteries* - "new-for-old"
 - *binoculars* (2 maximum) - lesser of "replacement" or "survey value" (max. \$100 each if not valued or original invoice not produced),
 - *portable generators* - lesser of "replacement" or "survey value"
 - *galley items* - "new-for-old" (max. \$500), unless a list of items and values had been submitted prior to any loss.
 - *Electronics*—(see *Claims information* for details)

NOTE: *The "survey value" is considered the cost of an item when acquired.*

CLAIM REPORTING:

Any claim (actual or presumed) must be reported to the Mutual immediately. (see *Claims Information* for further details)

VESSEL SURVEY:

Each vessel insured is required to be surveyed every 3 years or more frequently if requested. The survey is to be carried out by a Mutual surveyor and this is normally at no cost to the vessel owner.

VESSEL OPERATION:

Where practicable, it is recommended that at least two crewmen be on watch when the vessel is underway and that the required *watchalarm* be used.

VESSEL USE:

The Mutual is incorporated to insure only *commercial fishing vessels*. If a vessel is used for purposes other than commercial fishing (egs. *Charters for sight-seeing/sport-fishing/diving*, etc.) it may continue to be insured for Hull & Machinery coverage with the Mutual only so long as it retains a commercial fishing license or remains eligible to be commercially licensed as a fishing vessel. However, there is no liability coverage whatsoever for any commercial and/or "for profit" use other than commercial fishing purposes. (See "*Protection & Indemnity Coverage*" for further details.)

There is no coverage whatsoever for any loss, damage or expense incurred while the vessel is being used as a *workboat*, *beachcomber*, or if engaged in any venture directly or indirectly related to *log salvage*, *logging* or *hand-logging*, including but not limited to towage of logs, use of the vessel as a live aboard or for delivery or transportation of supplies, crew, logs or equipment. The only use relating to this that may be considered is if the vessel is used for *live aboard* only, in which case you must apply to the office for any such exception and obtain written approval.

Towing coverage is restricted to towage of vessels *in distress* only. In other words, any damage, loss, liability or expense caused to/by the towed or towing vessel during a non-distress tow is not coverable by your insurance. This same restriction applies to vessels tied together while in transit in non-distress situations, whether or not one or both vessels are under power.

TRANSPORTING INSURED VESSELS BY TRAILER:

Owners of vessels that are suitable for transporting by trailer do so from time to time. Your policy does not automatically provide coverage for damage to your vessel during transport by trailer—the coverage must be requested by you and agreed by the office. Coverage for damages arising from specified causes during transport by trailer can be arranged at no extra cost, but you must make a request to the office to put it in place.

VESSEL'S COMMERCIAL FISHING LICENSE STATUS:

You are required to report any change in the vessel's license status to our office immediately as this may require a change in the vessel's insured value or its insurability depending on its existing license status and/or intended use of the vessel.

It is a condition of coverage that the vessel have a valid commercial fishing license attached (any exceptions must be approved in writing) and be actively used as a *bona fide* commercial fishing vessel. Otherwise coverage shall be deemed to have terminated immediately the vessel no longer has a commercial fishing licence attached. Return of unexpired premiums for late reportings of license removals requiring a policy cancellation, shall be calculated only as far back as the first day of the month in which notice is received by our office.

LIMITATIONS AND EXCLUSIONS OF COVERAGE:

The following are not covered under the *Hull & Machinery* policy:

- Damage/Loss to or liability against Cargo, Ancillary vessels, Herring Punts, or Power skiffs. We highly recommend that these be insured on their own for Hull and Liability coverages.
- *Loss of earnings* (except liability for a 3rd party's loss).
- Any loss, damage, or expense incurred while the vessel is being used as a *workboat, beach-comber*, or if engaged in any venture directly or indirectly related to *log salvage, logging, or hand-logging*, including but not limited to towage of logs, use of the vessel as a live aboard or for the delivery or transportation of supplies, crew, logs, or equipment. The only related use that may be considered is if the vessel is used for *live aboard* only in which case you must apply to the Mutual Marine and receive approval for any such exception in writing.
- *Fishing gear* (egs. nets, lines, lures, "pigs", etc.)
- *Personal effects* (egs. sleeping bags, bedding, linens, clothing, audio or video tapes, C.D.'s, hunting or sport-fishing equipment, cameras, portable video equipment, food, cash, credit cards, jewelry, etc.)
- Damage/Loss to *outdrives, power legs, outboard motors and/or any propeller(s) associated with these drive systems. (loss resulting from total loss of the insured vessel excepted)*
- Damage, loss, or liability while being *transported/trailer*ed on roadways without prior approval of the company (see page 23 for details).
- Engine damage caused by "back-flooding" of a wet exhaust system. (*Applicable to Superpunts only.*)
- Damage/loss caused by the carriage of *cargo or fuel on deck*.
- Damage/loss caused by carriage of *high explosives*. Egs. dynamite, aviation fuel, etc. are considered "high explosives" whereas flares and seal bombs are not.
- Damage/loss caused by *freezing &/or snow*. It is your responsibility to safeguard your vessel in cold weather conditions.

- Damage/loss caused by *wear & tear, corrosion, fatigue, or lack of maintenance* considered to be within the owner's control, whether or not there is a resultant ingress of seawater. Members are reminded that hoses should be checked as part of your normal maintenance routine and replaced as necessary - especially those that are subject to heat, oils, etc. which can cause premature deterioration.
- Damage/loss attributable to unseaworthiness of the vessel if the vessel is sent to sea in an unseaworthy state with the privity (knowledge) of the insured owner/member.
- Damage/loss attributable to the wilful misconduct of the insured owner/member. (egs: Arson, or an intentional action in a fishing dispute)
- *Computer Software* (including plotting software) and/or *Data*.
- Capture, seizure, arrest, restraint or detainment as a consequence of drugs on board your vessel. It is suggested that you post a notice in the galley stating: *no drugs are permitted on this vessel*.
- *Aggravated damage* due to continued operation in a damaged condition.
- Damage, loss, or liability resulting from *towing, or being towed, when not in distress*. (Damage to an insured "mother ship" resulting from customary towing of a herring punt used in the insured mother ship's herring fishing operation excepted.) Disabled vessels may be covered while *being towed* provided advance permission is granted by the company.
- Damage, loss, or expense incurred from vessels being tied together while in transit in non-distress situations.
- Damage, loss, or liability resulting from *carriage or use of white gas*. Effectively, the carriage or use of white gas or appliances such as a white gas camp stove/burner/lamp etc. is entirely prohibited.
- *Living expenses or travel costs* of vessel owner or crew in the event of an accident.
- Damage/loss caused as a result of "wet" pumping fish from vessels without a watertight and properly divided cargo hold.
- Damage/loss to machinery caused by improper or negligent repairs to the machinery.
- Damage/loss resulting from non-compliance of any vessel requirement (see *General Vessel Requirements*).
- Damage/loss resulting from falling asleep at the wheel, where a vessel is not equipped with an operable watchalarm.

VESSEL PROPULSION SHAFTS:

Vessel propulsion shafts sometimes fail due to ordinary wear and tear and/or fatigue over time. Such failures, if they are not caused by an insured peril, are unlikely to be covered by your insurance policy.

An effective means to prevent such a failure is to ensure that the vessel's propulsion shaft is adequately sized and that the propeller hub is properly fitted to the shaft taper.

The formula is recommended by Mutual Marine as a guide in determining the minimum acceptable propulsion shaft size. The formula is taken from the Canada Shipping Act, and is as follows for *diesel* engines:

$$D = 3.99 \sqrt[3]{\frac{H}{R}} - (\text{the greater of}) \left(\sqrt[3]{\frac{60,000}{2Y}} \text{ or } 0.85 \right)$$

If the above is 2.5" or greater, add an adjustment factor of: $\frac{KP}{C}$

D = Minimum Shaft diameter in inches.

H = Brake Horsepower.

R = RPM of shaft (after red. gear) - eg. 3 x 1 reduction: divide RPM by 3

Y = Yield Strength in lbs./sq.in. or 50% of tensile strength (whichever is smaller)

P = Diameter of propeller (inches)

K = $0.02 \times P$, or 1 (whichever is smaller)

C = 100 for carbon steel, or 144 for bronze, monel, stainless steel

VESSEL LAY-UP and CARE-TAKING:

Moored vessels are exposed to multiple hazards and require frequent, thorough inspection. This is particularly true in winter months when vessels are exposed to cold temperatures. As stated on page 24 of this handbook, Damage/loss caused by *freezing &/or snow* is not covered by your insurance policy. Piping systems can fail due to freezing and this exclusion means that no coverage is provided in the case of an ingress of water caused by freezing. Good defences for this include frequent inspections, closing seacocks and draining raw water systems during winter months. Mutual Marine's annual Notice to Members contains further information on winter lay-up procedures.

If you do not live close enough to your vessel to check it regularly, you should designate a competent person to do so. Contact information for both you and the person checking on your vessel should be clearly posted on board so passers-by have someone to contact in case of emergency.

General Vessel Requirements

(*Superpunts* and *Outboard powered vessels* are subject to separate requirements and you should contact our office for these.)

IMPORTANT NOTE: Compliance with the following vessel requirements is a condition of insurance coverage with the company. Damage or loss resulting from non-compliance with any vessel requirement would not be coverable.

PORTABLE FIRE EXTINGUISHERS:

At least 10 lbs. of Multipurpose Dry Chem or CO2 fire extinguishers (minimum size of 5 lbs. per extinguisher). As an alternative, when two or more extinguishers are carried, a minimum of one 5 lb. Multipurpose Dry Chem or CO2 plus one of either a 6 litre FFFP, or a 2.5 US gal AFFF foam will be accepted. Dry Chem is not recommended for use in the engine room, or near electronics or electrical installations. Foam extinguishers must be protected from freezing and are not recommended for use on live electrical. Extinguishers are to be properly mounted and checked/serviced within the last 3 years (or within the last 4 years if the vessel is inspected by Transport Canada at 4 year intervals).

ALARM SYSTEM:

A complete alarm system for:

- *Engine:* oil pressure and water temperature
- *Fire:* heat sensors in engine room(s) and over cook stove(s) and fuel burning heater(s) - "smoke" detectors are not accepted
- *Bilge:* high water sensors in engine room and lazarette
- *Watchalarm:* installed in wheelhouse and operational

BILGE PUMPS:

A minimum of two bilge pumps as follows:

Engine driven bilge pump: capable of pumping the engine room bilge and may be belt-driven off the engine, hydraulic driven, OR 110/220V genset driven.

Minimum size for engine driven pump:

- Vessels under 50' (15.2 meters) OAL: 1" I.D.
- Vessels 50' OAL and greater: 1-1/4" I.D.

AND:

Secondary bilge pump: capable of pumping the engine room bilge, either plumbed direct to the engine room bilge OR may be plumbed to the fishhold if there is an adequate "free-flow" bilge between the engine room and fishhold (ie. min. 1-1/2" diameter drain).

Minimum size for secondary pump:

	Hand Pump	OR Electric "Rule" type**	OR Engine Driven
under 50' OAL:	3/4" I.D.	1" I.D.	1" I.D.
50' OAL and greater:	2" I.D.	Not accepted	1 1/4" I.D.

**** Electric "Rule" type pumps:**

- must be properly installed, portable electric pumps are not accepted.
 - are not acceptable in compliance with the engine driven bilge pump requirement.
 - are not acceptable in compliance with the secondary pump requirement on vessels 50' LOA or greater.
- If the secondary pump is engine driven, it must be driven from a separate engine.(eg. 1pump off main engine and 1 pump off the auxiliary).
- Portable scow pumps are not accepted in compliance with these requirements.
- Engine driven bilge pump suction to be equipped with strainers and the area of the openings to be not less than twice the cross-sectional area of the bilge pump, or chain piled around the suction opening offers more suction area.
- A "one-way" check-valve installed on the bilge suction line is required if the pump is also connected to a seacock.
- The required bilge pumps and engineroom bilge suction are to be engageable without lifting hatch covers on the weatherdeck.

ELECTRICAL:

- Main shut-off switch installed as close to the batteries as practicable, capable of disconnecting all power including the engine(s) starter(s). The only exceptions to this may be electric bilge pumps and alarms if fused "in-line" at the battery.
- Alternator(s) to be fused in the "hot-line" between the battery and the alternator, as close to the battery as practicable. Fusing is recommended to be 15 - 20 amps greater than the rating of the alternator (eg. 55 amp alternator - 70 amp fuse). "In-line" fuses or "circuit-breakers" are accepted however self-reset fuses are not accepted. A "double-pole" circuit breaker is recommended, to protect the alternator's "field" as well as the "hot-line" which would prevent any diode damage to the alternator should the circuit blow for some reason.
- All circuits to be adequately fused at the main power source.
- All wiring to be of adequate gauge and rating for the required use and load on the circuit. Wiring to be in good condition, neat/tidy, and unused or "dead" wires removed.
- Batteries secured from shifting, and if in a "traffic" area or exposed to objects that could short the terminals, be fitted with a non-airtight cover.

THRU-HULL FITTINGS AND SEAWATER PLUMBING:

- All thru-hulls at, or below, the "load-waterline" to be fitted with a shut-off valve at the thru-hull fitting.
- All shut-off valves to be operable and free of corrosion/electrolysis (replaced if questionable).

- Neither Plastic valves connected to thru-hulls nor plastic thru-hull fittings, below the "load-waterline" are accepted.
- Galvanized to brass connections in seawater plumbing are not accepted in direct contact below the "load-waterline" due to electrolytic action between the dissimilar metals. If necessary - isolate the two with stainless steel, a short section of hose, or other means.
- Hose connections below the "load-waterline" are recommended to be double-clamped with all stainless steel clamps.
- Electric "Rule" type pump discharges to be preferably at the deck level or minimum 12" above the "load-waterline". Otherwise the hose inside the hull is to be looped up to deck level and "vented" to prevent siphoning (a vented "U" is recommended for this purpose). Discharges through the transom may be subject to alternate requirements.
- Electric "Rule" type pumps connected to a seacock may be approved as an auxiliary washdown or a revival tank pump if installed such that the seacock can be shut off when not in use.

HATCH COVERS:

- All hatch and cockpit covers to have adequate means of securing them in place ("nailing" them down in an emergency is not accepted). * Vessels in outside or rough waters should have all hatches secured in place while travelling.
- Flush-deck hatch covers (or others that may at any time be submerged when the vessel is in a loaded condition) to be "water-tight". Their water-tight integrity should be tested by inspection from inside while watering down exterior surfaces and seals.
- Above-deck hatch covers to be at least "weather-tight".

PROPANE INSTALLATIONS:

- Gas cylinders and regulating equipment to be mounted on, or above, the weatherdeck outside the superstructure (not within the hull) and mounted in a position whereby leaked gas cannot reach the bilges, machinery, or accommodation spaces.
- Gas cylinders and regulating equipment are recommended to be protected from damage and the sun's rays with some kind of box or other protective covering, vented at the bottom with a minimum 1/2" vent towards the outboard side.
- There are to be no connections in the gas line, inside the vessel other than at the appliance itself as any extra connection could be a potential leak source. Any "T's" etc. in the gas line are to be outside the vessel.
- Propane fridges to be enclosed air-tight to prevent any potential propane leakage into the engineroom.
- Gas lines inside the hull are not to be concealed from visual inspection and are to be protected from chafing where passing through bulkheads, etc.
- Appliances must be installed in accordance with manufacturers' instructions.

MISCELLANEOUS:

- Approved *navigation lights* (including regulation "stern-light").
- Approved *anchor gear*.
- Approved *horn*.
- Approved *radar reflector* in accordance with Rule 40 of the Collision Regulations: *a vessel that is less than 20 meters or is constructed primarily of non-metallic materials shall be equipped with a passive radar reflector.*
- *Vessel name* to be displayed on the hull.
- Lazarette used for storage must have any *loose items secured away* from pump suction(s), alarm sensor(s) and steering apparatus to prevent fouling in the event of heavy weather and/or flooding of the compartment.
- *Hull and decks to be water-tight* with no possibility of water entering the hull. Special attention to through-deck pipes, fittings, and packing glands - any deterioration to be repaired.
- Oxygen tanks, hoses, or pipes are not permitted in the engineroom with the exception of equipment used for welding purposes.
- Operational *spotlight or forward facing floodlight*.

FIRE HAZARDS:

- Adequate insulation/airspace around oil stoves and heaters.
- Overflow fittings on oil stove fuel metering valves are not to be plugged.
- Engine exhaust pipes should be suitably insulated and run clear of wood and/or nearby wood insulated. The exhaust trunk if enclosed, to have adequate airspace and all exposed wood insulated (including corners) and have a door or removable panel for inspection purposes. Any/all burnt or charred wood to be removed and overheating corrected.

NOTE: "Yukon" or "Selkirk" type insulated stacks have been known to cause fires from the insulation inside the double wall compacting from vibration. Particular attention is required to ensure they are clear of wood.

- Wiring, engine controls, rain-gear, fuel or hydraulic lines, etc. to be secured away from "hot-spots".
- Gasoline powered vessels require a bilge-blower for the engineroom.
- Use of white gas appliances and/or carriage of white gas is prohibited on board. (egs. White gas camp stove, burner, lamp, etc.)
- Portable propane and/or butane stoves with attached fuel cylinders are not approved for use inside the vessel.

HULL:

- Wood planked:
 - caulking: out-of-water inspection required after 15 years of age and periodically thereafter.
 - hull fastenings: out-of-water inspection required after 30 years of age and periodically thereafter.
 - vessel not insurable if there is any rot in the hull of any consequence.
- Aluminum: out-of-water inspection required prior to insuring.

- Fiberglass: with "light-built" keels may require thickness determined. Bowpickers require an out-of-water inspection prior to coverage.
- Steel: may require hull inspection and/or ultrasonic testing (at the assured's expense) to determine extent of deterioration. Vessels with over-limit deterioration may not be accepted for insurance, or may require repair. The maximum allowable deterioration is set in accordance with Lloyd's Standards. For further information, please contact one of our surveyors.
- Hull construction not insurable:
 - *Cement, Plywood or "Strip-planked" wood*
 - Any vessel with a "*non water-tight*" extension. Any such extension must be permanently water-tight.
 - Any vessel with a large open drum-well.

FISHHOLDS:

"*Wet-pack*" vessels (ie. champagne, brine, slush-ice, etc.):

- must comply with certain requirements as to watertight divisions of the hold. It is recommended you check with our office to ensure your vessel complies.
- must be equipped with adequate vertical drains for herring/sardine packing and recommended for other fisheries.

"*Dry-pack*" vessels:

- are not permitted to "wet-pump" cargo from a hold that is not watertight and properly divided.
- must be equipped with adequate penboards to prevent shifting of cargo.

VENTS:

Lazarette (if "air-tight") and ballast tanks require:

- (a) vents run up under the rail and forward to the house, OR
- (b) vents run up the side of the drum (recommend to a height of 6' above deck), OR
- (c) "self-closing" vents in good working order, OR
- (d) a one-way check valve mounted high in the bulkhead between the lazarette and tunnel.

NOTE: Gooseneck vents with manual closing flappers, or pipe plugged vents mounted low on the weatherdeck are not accepted.

- *Fuel vents* to be run to a safe height and location (at the surveyor's discretion) above the weatherdeck with the end turned down through an angle of 180 degrees.
- *Engineroom vents* Are subject to certain requirements depending on the configuration of your vessel. Contact our office for requirements specific to your vessel.

SCUPPERS:

The vessel must be equipped with adequate scuppers capable of clearing decks quickly in heavy seas. Freeing ports, or gates in the rails may be required to allow added deck drainage.

Herring & Sardine Fisheries

The Company has extended your Hull Policy coverage to cover damage to your insured vessel resulting from customary towing of a herring punt used in your herring fishing operation. Any other damage, loss, or liability caused by your herring punt however is not coverable.

VESSELS FISHING AND/OR PACKING, HERRING (incl. Food, Bait & Roe), AND/OR SARDINES:

Vessels require an inspection at least every three years in conjunction with their regular survey or more frequently if requested by our office. Members are required to contact our office at least 3 weeks prior to engaging in any of these fisheries each year to arrange for an inspection if required. Failing this you may be required to obtain and pay for an inspection by a private surveyor.

VESSELS USED AS "LIVE-ABOARD":

Vessels used only as a "live-aboard" (i.e. not fishing or packing) do not normally require inspection beyond the regular three year resurvey, however all *General Vessel Requirements* must be in place and operational. It is recommended that you confirm that your vessel complies with any/all requirements prior to leaving port. Vessels should be "ballasted" if required, to ensure stability.

FOR SAFETY, we recommended:

- Power skiffs carried on deck be secured to prevent shifting. The use of pins specific for this purpose and incorporated into the spooling gear along with chains tightened with a proper load binder assures the skiff will not become loose from line stretch or slippage of hydraulics. The tie-down system should allow quick launching of the skiff in adverse conditions. Otherwise, power skiffs must be towed behind the vessel.
- Herring punts carried on deck must be similarly secured or towed behind. Drag a weight (eg. rubber tire) behind a punt being towed to prevent sheering.
- Do not rely on vang gear to keep boom in position. Use a strong dead man safety line and/or single falls to secure boom in position.
- Limit sets to a reasonable catch – do not set on more fish than you need.
- Ensure you and your crew understand the stability characteristics and limitations of your vessel and have clear deck procedures that address the dynamic changes of a large set and how it will affect the integrity and stability of the vessel.
- Be aware that the use of the single fall to bring the end around will instantly raise the vessel's centre of gravity. The practice of keeping the net in the air during a set may change the vessel's stability over time as fish die and become heavier.
- Ensure all rigging is in good repair and sound condition.
- Fish with at least one partner vessel.

- Ensure you and your crew understand all piping and pumping arrangements for fish, ballast, fuel and water tanks – including cross tank piping arrangements.
- Wet pack holds should not be left partially filled. (Slack tanks cause loss of stability due to "free-surface" effects.)
- Cargo is not to be carried on deck under any Circumstances. Loss or damage caused by the carriage of cargo on deck is not covered under your policy.
- When travelling light in open waters, lower and secure heavy booms, store nets in hold, and/or ballast-down as required prior to commencing voyage.
- Use the watchalarm while travelling and when practicable, have 2 crewmembers on watch in the wheelhouse.
- The crew to be familiarized with the procedures and equipment for fire-fighting, bilge & hold pumping, life-saving, release of catch etc.

Herring and Sardine fisheries have a history of testing the stability and load carrying limits of vessels and are often conducted at night and when prevailing weather conditions are sometimes fierce and unpredictable. We urge you to take great care for the safety of your vessel and crew particularly during these "high-risk" fisheries. In assessing your vessel's seaworthiness consider the dynamic characteristics of the catch alongside, the effects of weather and the changing stability of the vessel due to loading, free surface and shifting weights. While travelling in a fully loaded condition consider poor weather conditions and the possibility of decks awash. Our experience has shown that capsizings are generally caused by a combination of factors. During fishing, serious concerns include: stresses on a vessel's stability from net and rigging loads; potential for rigging failure; cross flooding of fluids on board due to open valves or faulty check valves; and open or leaking man hole covers, hatches or doors which become submerged while loading or simply flooded from fish pump discharge water running across the deck. While travelling with large loads, flooding of the stern and/or lazarette compartment is a major hazard. Particular attention should be given in regard to the stern's bilge alarms and pumping capabilities as well as the soundness and watertight integrity of deck, hull, hatches, man-holes and packing glands.

Fish Safe BC and the Herring Industry Advisory Board have developed "Food and Bait Best Practices" which we recommend herring and sardine fishermen obtain a copy of and follow.

Claims Information

CLAIMS:

When an accident occurs, it is the owner and skipper's responsibility to immediately take whatever action is necessary to safeguard the vessel and minimize the loss. Arrangements for salvage and repairs should be done as quickly as possible. Quick action can often save a vessel and/or significantly reduce damage. It is in your interest, and that of the entire membership to keep salvage, towing, and repair costs as low as possible.

Any damage which may render the vessel unseaworthy must be repaired immediately. Further damage resulting from continued operation of the vessel in a damaged condition is not covered by your insurance.

CLAIM REPORTING:

Regular office hours are 8:00 a.m. to 4:30 p.m. Fax, telephone answering machine, and e-mail are available to take messages after-hours.

Office: Phone: (604) 438-4240 Fax: (604) 438-5756

Toll-Free in B.C. (from outside Lower Mainland): 1-888-438-4242

After hours, in an emergency you may call one of the following:

- *Managing Surveyor* Keith Chauvel (604) 329-3254
- *Surveyor* Marc Mitts (604) 329-4315
- *Surveyor* Matt Creed (604) 992-9428
- *Gen. Mgr.* Lee Varseveld (604) 329-8771

A claim (actual or presumed) must be reported immediately. A complete written report must also be submitted as soon as possible. Normally this is submitted on a standard claim form called a *Notice of Protest*. These forms can be sent to you on request by fax, mail, or e-mail and are available on our website. A complete, written report is required in order for your claim to be processed. A claim may always be withdrawn by the member at a later date. Withdrawn claims do not adversely effect a member's claim record.

DAMAGE REPAIRS:

- Our office must be given the opportunity to inspect any vessel's damage prior to repair.
- The insurer is entitled to designate the repairer and may require tenders taken for the repairs. Normally the place of repair is agreed upon with the vessel owner.
- If possible, the vessel owner should be on the job at all times during repairs and ensure that all details of work done and material used is itemized. It is your duty to ensure costs are kept to a minimum.
- Only *permanent* repairs are covered under the policy. *Temporary* repairs other than those required to get a disabled vessel to a repair yard, are to the owner's account.

- Only *straight-time* charges are accepted. Any *over-time* cost differential is normally chargeable to the owner's account and must be separately noted on repair invoices.
- If the vessel owner desires to carry out his/her own repairs, a written bid is required to be submitted prior to repairs and if accepted, arrangements will be made with the vessel owner for settlement of the claim. Otherwise all damage repairs must be carried out by a shipyard.
- Repair charges are to be invoiced in the name of the vessel owner and not in the name of the insurance company.
- The *Goods and Services Tax (GST)* is payable by the vessel owner being that commercial fishermen can reclaim the GST as an input tax credit with Revenue Canada.
- The costs of bottom cleaning and painting are adjusted to the owner in accordance with Canadian Hulls (Pacific) 1991 clauses. This being: *1/12th of the associated costs are charged to the owner for each month since the vessel was last anti-fouled*. Bottom painting is allowed only for anti-fouling that is no longer effective after out-of-water exposure (eg. copper paint, after 24 hours).

CLAIM PAYMENTS:

The company prides itself in settling and paying claims promptly and fairly. Normally charges to a claim are processed upon receipt. To a great extent, a speedy settlement depends upon the co-operation of the member in providing the necessary reports and clarifying the charges submitted.

In the event of a total loss, the claim is normally paid within 30 days of the loss providing the claim is readily accepted. In some cases however, acceptance of the claim may have to await consideration of the Board of Directors or further investigation.

In the event of a *cash settlement* of any claim, payment is made jointly to all parties listed on the policy including mortgagee(s).

UNDERWATER DAMAGE:

Where a vessel is involved in an accident which may have caused underwater damage, it must be inspected as soon as possible - but in any event *not later than 25 days after the accident*. Damage is often much greater than you may think. Any damage which may render the vessel unseaworthy must be repaired immediately. If you fail to make this inspection or carry out repairs, any further damage or loss due to unrepaired damage is not covered under the policy.

TOWING:

Members will often assist each other when in distress at no charge and this helps to enhance all members' refunds each year. This is greatly appreciated and we hope this trend continues.

In the event charges are made for a tow, there are certain conditions you

should be aware of:

- Unless circumstances of safety are involved, members are urged to await a tow from a vessel going in your same direction rather than requesting a tow immediately.
- Towing charges may be allowed either for the towing vessel's time/distance, OR its loss of earnings (only if necessary). **A tow involving a charge for loss of earnings must be approved by the office prior to the tow.**
- Towing charges may be allowed only to the *nearest port of repair*. Costs of towing beyond such a point would not be accepted.
- Towing charges outside the regular Trading Limits (see *Trading Limits*) are not covered, however towing charges inside the regular Trading Limits will be dealt with as usual.
- Cargo (if any), or other uninsured property is charged its proportionate share of towing costs,

eg.	Vessel (insured for)	\$ 80,000	=	<u>% Each Pays</u>
	Cargo (value)	<u>20,000</u>	=	<u>20%</u>
	Total value	<u>\$100,000</u>		<u>100%</u>

The vessel's portion of the tow bill is paid under the hull policy terms.

- The office may require proof or evidence of reasons for the tow (eg. repair invoice, failed part, etc.).

You should be aware that your insurance will only follow you for towing a vessel that is in distress. Your insurance will not cover any loss, damage, or liability arising from a non-distress tow caused by either the towed or towing vessel. See: "*Limitations and Exclusions of Coverage*".

COLLISION:

In the event of a collision, ensure immediate contact is made with the other vessel in order to secure the safety of each vessel and crew.

Do not make statements as to *fault* for the collision. Fault, if any, shall be determined between insurers and/or through litigation if necessary.

It is a condition of your insurance that you always **maintain a proper look-out** while underway. A claim arising from no look-out may not be approved.

It is very important that all collision particulars be written down as soon as possible while the facts are clear in your mind.

NOTE:For your convenience, see page 71 and 72 for required collision report details.

THEFT:

Particular care should be taken to secure your vessel against access by a thief. A number of members are installing alarm systems on their vessels and we hope these help in deterring thieves. We encourage you to mark your electronics with an engraving pencil for identification (police prefer your driver's licence number). Make a notation of the make, model, and serial numbers of

your electronics for future reference.

There are certain conditions required for a theft claim to be considered:

- There must be *forcible entry*. Ensure all hatches, doors, and windows are locked and do not leave your key where it can be easily found. (eg. under mat, on roof, next to door etc.)
- You are required to file a report with the local police as we will need the case file number and the attending Constable's name.
- A *locking device* on fuel tanks and forcible entry are requirements in considering a claim for theft of fuel. As well, a copy of your last fuel bill must be submitted.
- Any item stolen that is not listed on your vessel's survey will require an invoice or receipt to be submitted as proof of purchase.

MACHINERY:

In support of a machinery claim, **all relevant parts must be saved and made available to the Company for examination and/or testing**. It is up to you, the assured, to prove your claim. Damage resulting from *wear & tear, corrosion, fatigue, lack of maintenance, or repairer's negligence* is not covered.

Problems have arisen from damage to reduction gears claimed to be due to past accidents. Therefore, in the event of an accident which may result in any damage to a reduction gear, your Board has stipulated the following conditions:

1. *Subject to the policy conditions and deductible, the expense of inspecting a reduction gear immediately after contact of the propeller with any object shall be accepted if reasonably incurred, even if no damage be found.*
2. *Payment of a claim for damage to a reduction gear in consequence of the occurrence of any insured peril shall be a final and conclusive settlement and shall be an effective bar to any further or other claim in consequence of same occurrence.*

Effectively a member has the right to open up the reduction gear for examination immediately after an accident. If this provision of coverage is not taken advantage of, then that accident cannot be used as a cause of reduction gear trouble at a later date.

In every case where an engine or reduction gear is immersed in salt-water, permanent repairs must be made immediately.

Continuing to operate damaged machinery can result in further damage (ie. *aggravated damage*) which is not covered by the policy.

ANCHOR CLAIMS:

Claims for loss of anchor gear will be recognized only when the anchor gear is lost in an effort to save the vessel.

ELECTRONICS:

Loss of, or damage to electronics caused by an insured peril is settled on the basis of:

- new-for-old up to 3 years of age, OR
- if older than 3 years, settlement is made on the lesser of survey value or replacement with same, or closest available equivalent.

NOTE: The "survey value" is considered the cost of an item when acquired. You should report the make, model, serial number and cost of any additions as well as any units removed, to ensure your survey listings are current.

Electronics are not covered while used off the vessel or transferred to another vessel, however coverage is extended for units in storage or in transit for repair providing they are secured against theft.

Marine Weather Forecast for the B.C. Coast

Forecast Issue Times (PDT/PST)

Synopsis & Regular Forecast: 4:00 am 10:30 am 4:00 pm 9:30 pm
Extended Forecast: 4:00 am 4:00 pm
Wave Height Forecast 2:00 am 2:00 pm

VHF Channel Frequencies

WX1 162.55 - WX2 162.40 - WX3 162.475 - 21B 161.65

SSB Channel Frequency - 2054 kHz

Tofino - every 6 hrs. beginning 0450 PST
Prince Rupert - every 6 hrs. beginning 0505 PST

Telephone

Personal weather service with a meteorologist
(fees apply, currently \$2.99/min):

Marine Weather One-on-One (land line only): 1-844-505-2525
Alternate delivery for cell phone users: 1-888-292-2222
Once your credit card information has been verified, you will be transferred to the 1-900 staff.

Canadian Coast Guard Continuous Marine Broadcast:

Comox South:.....(250) 339-0748 Tofino(250) 726-3415
Comox North:.....(250) 974-5305 Vancouver(604) 666-3655
Prince Rupert.....(250) 624-9009 Victoria(250) 363-6492
or(250) 363-6880

Recorded weather information—non marine (no charge):
HELLO WEATHER 1-833-794-3556

Web

Forecast, Conditions and Light Station Reports:
www.weatheroffice.ec.gc.ca
Information on Pacific Coast Marine Weather Services:

Advisory Notice

The following notice is issued by the Canadian Coast Guard, Marine Communications and Traffic Services (MCTS) to commercial ships and fishing vessels using the Inside Passage waters of British Columbia during the commercial fishing season:

1. Fishing vessels *when in transit* (not fishing) are advised to monitor the Vessel Traffic Services Channel for the VTS sector they are in (see table following page).
2. All commercial vessels transiting an open fishing ground are advised to monitor VHF Channel 78A (156.925 MHz) in addition to the Vessel Traffic Services Channel for the VTS Sector they are in. Vessels while in transit through the grounds should broadcast their intended track at frequent intervals (every ½ hour) on VHF Channel 78A, and more frequently under reduced visibility conditions.
3. Fishing vessels and other vessels when underway are required by regulation to travel with high intensity deck lights extinguished.* Vessels in contravention are subject to severe penalties.
4. All vessels, including vessels engaged in a commercial fishery, are advised that it is imperative that correct lights and shapes are exhibited in accordance with the *International Regulations for Preventing Collisions at Sea, 1972* as amended.
5. Gill Net fishing vessels should remain on the end of their net to enable transiting vessels, when known to be in transit in an active fisheries area, to identify where the fishing vessel is in relation to her net. In addition, at night, it is recommended that the Gill Net fishing vessel indicate the lie of her net to transiting vessels by directing the beam of her searchlight in the direction of the danger.
6. All vessels when transiting or crossing a Traffic Separation Scheme (Lanes) are required to observe Rule 10 of the *International Regulations for preventing Collisions at Sea, 1972* (with Canadian modifications) as amended.

Refer to Part 3 of the *Radio Aids to Marine Navigation* publication, for information on zones, sectors and VHF frequencies.

* Infractions relating to item 3. above, should be reported to the RCMP West Coast Marine Services. See facing page for contact information.

Vessel Traffic Services Guide

Area	MCTS Sector	Station	VHF Channel
Vancouver Harbour and Howe Sound	3	<i>Victoria Traffic</i>	12
Fraser River	2	<i>Victoria Traffic</i>	74
Cape Roger Curtis to Merry Isl. to Race Rocks & San Juan	1	<i>Victoria Traffic</i>	11
Merry Island to Cape Caution	4	<i>Victoria Traffic</i>	71
Dixon Entrance and Prince Rupert Harbour approaches	2	<i>Prince Rupert Traffic</i>	71
Cape Caution to Prince Rupert , Hecate Str. & Queen Charlotte Sound ...	1	<i>Prince Rupert Traffic</i>	11
West Coast Vancouver Island outside of Juan de Fuca Strait	1	<i>Prince Rupert Traffic</i>	74
US waters in Juan de Fuca Strait			
Race Rocks to Cape Flattery		<i>Seattle Traffic</i>	5A
Monitor and Broadcast			78A

RCMP West Coast Marine Services Contact Information

Primary contact is the Nanaimo office line: (250) 751-8845

RCMP Patrol Vessels: ***INKSTER, HIGGIT & LINDSAY***

See page 72 for land-based RCMP & Police Department contact information.

Tide & Current Tables

The Tide & Current Tables on the following pages have been produced by Pacific Coast Fishermen's Mutual Marine Insurance Company based on Canadian Hydrographic Service charts and/or data, pursuant to CHS Direct User Licence no. 2023-0106-1260-P

PLEASE NOTE: Times listed in the Tide and Current Tables are denoted in Pacific Standard Time (PST)

April-avril

May-mai

June-juin

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds
1	0438	2.5	8.2	16	0421	2.0	6.6	11	0447	2.0	6.6	16	0501	1.2	3.9	1	0533	1.1	3.6	16	0623	0.6	2.0
SA	0954	3.8	12.5		0956	4.2	13.8		1017	3.6	11.8		1056	3.9	12.8		1144	3.7	12.1		1247	3.8	12.5
SA	1702	1.4	4.6	SU	1645	1.0	3.3	MO	1637	1.6	5.2	TU	1648	1.4	4.6	TH	1657	1.9	6.2	FR	1739	2.2	7.2
SA	2336	3.9	12.8	DI	2316	4.4	14.4	LU	2305	4.1	13.5	MA	2310	4.7	15.4	VE	2308	4.6	15.1	VE	2345	4.6	15.1
2	0519	2.2	7.2	17	0516	1.5	4.9	2	0526	1.6	5.2	17	0550	0.8	2.6	2	0615	0.8	2.6	17	0708	0.5	1.6
1048	3.9	12.8		1102	4.3	14.1		1112	3.8	12.5		1156	4.0	13.1		1234	3.8	12.5		1333	3.9	12.8	
SU	1747	1.3	4.3	MO	1729	1.0	3.3	TU	1715	1.6	5.2	WE	1729	1.6	5.2	FR	1736	1.9	6.2	SA	1822	2.2	7.2
DI				LU	2352	4.6	15.1	MA	2332	4.3	14.1	ME	2345	4.8	15.7	VE	2342	4.8	15.7	SA			
3	0003	4.1	13.5	18	0604	1.1	3.6	3	0603	1.3	4.3	18	0636	0.6	2.0	3	0658	0.5	1.6	18	0022	4.6	15.1
0555	1.9	6.2		1159	4.4	14.4		1201	3.9	12.8		1248	4.1	13.5		1321	3.9	12.8		0750	0.5	1.6	
MO	1134	4.1	13.5	TU	1808	1.0	3.3	WE	1745	1.6	5.2	TH	1808	1.7	5.6	SA	1816	2.0	6.6	SU	1414	3.9	12.8
LU	1808	1.2	3.9	MA				ME	2358	4.5	14.8	JE			SA				DI	1902	2.3	7.5	
4	0027	4.2	13.8	19	0026	4.8	15.7	4	0640	1.0	3.3	19	0018	4.8	15.7	4	0019	4.9	16.1	19	0059	4.6	15.1
0629	1.6	5.2		0650	0.8	2.6		1246	4.0	13.1		0720	0.4	1.3		0742	0.3	1.0		0829	0.5	1.6	
TU	1217	4.2	13.8	TH	1808	4.4	14.4	TH	1817	1.6	5.2	FR	1336	4.1	13.5	SU	1407	4.0	13.1	MO	1452	3.9	12.8
SA	1835	1.2	3.9	ME	1844	1.2	3.9	JE			VE	1844	1.9	6.2	LU	1858	2.0	6.6	LU	1941	2.3	7.5	
5	0051	4.4	14.4	20	0058	4.9	16.1	5	0025	4.7	15.4	20	0050	4.8	15.7	5	0059	5.0	16.4	20	0136	4.5	14.8
0703	1.3	4.3		0734	0.5	1.6		0718	0.7	2.3		0802	0.4	1.3		0828	0.2	0.7		0904	0.6	2.0	
WE	1258	4.3	14.1	TH	1339	4.4	14.4	FR	1330	4.1	13.5	SA	1420	4.0	13.1	MO	1454	4.0	13.1	TU	1529	3.9	12.8
MA	1901	1.3	4.3	JE	1918	1.4	4.6	VE	1849	1.7	5.6	SA	1921	2.1	6.9	LU	1944	2.0	6.6	MA	2021	2.3	7.5
6	0114	4.5	14.8	21	0128	4.9	16.1	6	0053	4.8	15.7	21	0123	4.7	15.4	6	0145	5.0	16.4	21	0215	4.4	14.4
0738	1.1	3.6		0816	0.5	1.6		0757	0.6	2.0		0843	0.5	1.6		0914	0.2	0.7		0938	0.7	2.3	
TH	1338	4.3	14.1	FR	1424	4.3	14.1	SA	1413	4.1	13.5	SU	1502	4.0	13.1	TU	1542	4.0	13.1	MO	1606	3.8	12.5
LU	1927	1.4	4.6	VE	1950	1.7	5.6	SA	1922	1.8	5.9	DI	1957	2.2	7.2	MA	2034	2.1	6.9	LU	2103	2.4	7.9
7	0137	4.7	15.4	22	0158	4.9	16.1	7	0088	4.5	14.8	22	0157	4.6	15.1	7	0234	4.8	15.7	22	0255	4.2	13.8
0813	0.9	3.0		0859	0.5	1.6		0738	0.5	1.6		0923	0.6	2.0		1001	0.3	1.0		1011	0.9	3.0	
FR	1418	4.2	13.8	SA	1508	4.1	13.5	SU	1457	4.0	13.1	MO	1544	3.8	12.5	WE	1634	3.9	12.8	TH	1643	3.8	12.5
VE	1954	1.5	4.9	SA	2023	1.9	6.2	DI	1958	2.0	6.6	LU	2036	2.3	7.5	ME	2131	2.2	7.2	JE	2148	2.4	7.9
8	0201	4.7	15.4	23	0229	4.7	15.4	8	0159	4.9	16.1	23	0234	4.4	14.4	8	0329	4.6	15.1	23	0337	4.0	13.1
0850	0.9	3.0		0941	0.7	2.3		0922	0.5	1.6		1002	0.8	2.6		1138	0.7	2.3		1044	1.1	3.6	
SA	1459	4.1	13.5	SU	1553	3.9	12.8	MO	1545	3.9	12.8	TU	1628	3.7	12.1	TH	1728	4.0	13.1	FR	1723	3.8	12.5
SA	2022	1.7	5.6	DI	2058	2.2	7.2	LU	2039	2.1	6.9	MA	2119	2.5	8.2	JE	2238	2.2	7.2	VE	2241	2.4	7.9
9	0228	4.8	15.7	24	0302	4.5	14.8	9	0241	4.8	15.7	24	0314	4.2	13.8	9	0429	4.3	14.1	24	0423	3.8	12.5
0929	0.8	2.6		1024	0.9	3.0		1009	0.6	2.0		1042	1.0	3.3		1138	0.7	2.3		1119	1.3	4.3	
SU	1543	3.9	12.8	MO	1641	3.7	12.1	TU	1638	3.8	12.5	WE	1715	3.6	11.8	FR	1825	4.0	13.1	SA	1805	3.8	12.5
SA	2055	1.9	6.2	LU	2138	2.4	7.9	MA	2128	2.3	7.5	ME	2207	2.6	8.5	VE	2359	2.2	7.2	SA	2345	2.4	7.9
10	0300	4.7	15.4	25	0340	4.2	13.8	10	0330	4.6	15.1	25	0400	3.9	12.8	10	0534	4.0	13.1	25	0516	3.5	11.5
1014	0.9	3.0		1110	1.1	3.6		1102	0.7	2.3		1123	1.2	3.9		1231	1.0	3.3		1157	1.5	4.9	
MO	1633	3.7	12.1	TU	1737	3.5	11.5	WE	1741	3.7	12.1	TH	1808	3.6	11.8	SA	1922	4.1	13.5	SA	1848	3.8	12.5
LU	2134	2.2	7.2	MA	2225	2.6	8.5	ME	2229	2.4	7.9	JE	2306	2.6	8.5	SA				DI			
11	0341	4.5	14.8	26	0427	3.9	12.8	11	0430	4.3	14.1	26	0453	3.7	12.1	11	0126	2.0	6.6	26	0101	2.3	7.5
1108	1.0	3.3		1202	1.3	4.3		1159	0.9	3.0		1209	1.4	4.6		0648	3.7	12.1		0619	3.3	10.8	
TU	1736	3.5	11.5	WE	1850	3.4	11.2	TH	1854	3.7	12.1	FR	1905	3.6	11.8	SU	1326	1.2	3.9	MO	1243	1.7	5.6
MA	2224	2.4	7.9	ME	2329	2.8	9.2	JE	2350	2.5	8.2	VE			DI	2016	4.2	13.8	LU	1933	3.9	12.8	
12	0434	4.3	14.1	27	0527	3.7	12.1	12	0542	4.0	13.1	27	0023	2.6	8.5	12	0242	1.7	5.6	27	0214	2.0	6.6
1213	1.1	3.6		1301	1.5	4.9		1304	1.0	3.3		0555	3.5	11.5		0812	3.5	11.5		0737	3.2	10.5	
WE	1904	3.4	11.2	TH	2016	3.4	11.2	FR	2005	3.8	12.5	SA	2159	1.5	4.9	MO	1421	1.5	4.9	MO	1421	1.5	4.9
ME	2336	2.6	8.5	JE				VE			SA	2000	3.6	11.8	SA	2000	3.6	11.8	MA	2017	4.0	13.1	
13	0546	4.1	13.5	28	0100	2.8	9.2	13	0135	2.4	7.9	28	0157	2.5	8.2	13	0346	1.4	4.6	28	0317	1.7	5.6
1329	1.2	3.9		0640	3.5	11.5		0703	3.9	12.8		0707	3.4	11.2		0938	3.5	11.5		0906	3.2	10.5	
TH	2038	3.5	11.5	FR	1405	1.6	5.2	SA	1409	1.1	3.6	SU	1352	1.6	5.2	TU	1515	1.7	5.6	FR	1430	2.1	6.9
JE				VE	2120	3.5	11.5	SA	2104	4.0	13.1	DI	2047	3.8	12.5	MA	2148	4.5	14.8	MA	2100	4.2	13.8
14	0119	2.7	8.9	29	0255	2.6	8.5	14	0303	2.0	6.6	29	0311	2.2	7.2	14	0442	1.0	3.3	29	0411	1.4	4.6
0714	4.0	13.1		0758	3.5	11.5		0828	3.8	12.5		0825	3.3	10.8		1057	3.6	11.8		1026	3.3	10.8	
FR	1446	1.2	3.9	SA	1506	1.6	5.2	TU	1509	1.2	3.9	MO	1445	1.7	5.6	WE	1603	1.9	6.2	TH	1525	2.2	7.2
SA	2146	3.7	12.1	DI	2203	3.7	12.1	DI	2152	4.3	14.1	LU	2127	3.9	12.8	VE	2229	4.6	15.1	JE	2143		

July-juillet

August-août

September-septembre

Day	Time	Mètres	Feet	jour	heure	mètres	pièds	Day	Time	Mètres	Feet	jour	heure	mètres	pièds	Day	Time	Mètres	Feet	jour	heure	mètres	pièds		
1	0553	0.7	2.3	16	0656	0.7	2.3	1	0712	0.2	0.7	16	0031	4.4	14.4	1	0125	5.0	16.4	16	0132	4.3	14.1		
1223	3.7	12.1	1324	3.8	12.5	1324	4.1	13.5	0739	0.8	2.6	0739	0.8	2.6	0802	0.4	1.3	0802	0.4	1.3	0747	1.2	3.9		
SA 1705	2.2	7.2	SU 1813	2.3	7.5	TU 1840	1.9	6.2	WE 1400	4.1	13.5	WE 1400	4.1	13.5	FR 1423	4.8	15.7	FR 1423	4.8	15.7	SA 1402	4.4	14.4		
SA 2311	4.8	15.7	DI			MA			ME 1921	2.0	6.6	ME 1921	2.0	6.6	WE 2021	1.0	3.3	WE 2021	1.0	3.3	SA 2013	1.4	4.6		
2	0642	0.4	1.3	17	0005	4.5	14.8	2	0039	5.1	16.7	17	0108	4.4	14.4	2	0215	4.9	16.1	17	0210	4.2	13.8		
1312	3.9	12.8	0735	0.6	2.0	0755	0.1	0.3	0755	0.1	0.3	0805	0.8	2.6	0805	0.8	2.6	0837	0.7	2.3	0810	1.4	4.6		
SU 1754	2.1	6.9	MO 1359	3.9	12.8	MO 1359	3.9	12.8	WE 1420	4.3	14.1	TH 1426	4.1	13.5	SA 1458	4.9	16.1	SA 1458	4.9	16.1	SU 1424	4.5	14.8		
DI 2358	5.0	16.4	LU 1853	2.3	7.5	ME 1955	1.7	5.6	ME 1955	1.7	5.6	JE 1955	1.9	6.2	SA 2111	0.9	3.0	DI 2048	1.3	4.3	DI 2048	1.3	4.3		
3	0729	0.2	0.7	18	0044	4.5	14.8	3	0132	5.1	16.7	18	0144	4.4	14.4	3	0305	4.6	15.1	18	0248	4.1	13.5		
1358	4.0	13.1	TU 0809	0.6	2.0	0835	0.1	0.3	0835	0.1	0.3	0829	0.9	3.0	0911	1.0	3.3	0911	1.0	3.3	0834	1.6	5.2		
MO 1845	2.0	6.6	TU 1432	3.9	12.8	TH 1500	4.5	14.8	FR 1451	4.2	13.8	FR 1451	4.2	13.8	SU 1533	4.8	15.7	SU 1533	4.8	15.7	MO 1446	4.5	14.8		
LU			MA 1930	2.2	7.2	JE 2030	1.5	4.9	WE 2031	1.8	5.9	WE 2031	1.8	5.9	DI 2303	1.0	3.3	DI 2303	1.0	3.3	LU 2125	1.3	4.3		
4	0047	5.1	16.7	19	0121	4.5	14.8	4	0224	4.9	16.1	19	0221	4.3	14.1	4	0356	4.2	13.8	19	0329	3.9	12.8		
0815	0.1	0.3	WE 0839	0.7	2.3	0913	0.3	1.0	0913	0.3	1.0	0852	1.1	3.6	0946	1.4	4.6	0946	1.4	4.6	0900	1.8	5.9		
TU 1443	4.1	13.5	FR 1540	4.6	15.1	FR 1540	4.6	15.1	SA 1516	4.2	13.8	SA 1516	4.2	13.8	MO 1609	4.7	15.4	MO 1609	4.7	15.4	TU 1510	4.5	14.8		
MA 1937	2.0	6.6	ME 2008	2.2	7.2	VE 2127	1.4	4.6	SA 2109	1.7	5.6	SA 2109	1.7	5.6	LU 2258	1.1	3.6	LU 2258	1.1	3.6	MA 2206	1.3	4.3		
5	0138	5.1	16.7	20	0159	4.4	14.4	5	0316	4.7	15.4	20	0259	4.1	13.5	5	0450	3.8	12.5	20	0413	3.7	12.1		
0859	0.1	0.3	WE 0907	0.8	2.6	0950	0.6	2.0	0950	0.6	2.0	0916	1.3	4.3	1023	1.9	6.2	1023	1.9	6.2	0931	2.1	6.9		
WE 1528	4.2	13.8	TH 1533	4.0	13.1	SA 1619	4.6	15.1	SA 1619	4.6	15.1	SU 1540	4.2	13.8	TU 1649	4.5	14.8	TU 1649	4.5	14.8	WE 1542	4.4	14.4		
ME 2033	1.9	6.2	JE 2047	2.1	6.9	SA 2224	1.4	4.6	DI 2149	1.7	5.6	DI 2149	1.7	5.6	MA 2357	1.2	3.9	MA 2357	1.2	3.9	ME 2256	1.4	4.6		
6	0230	4.9	16.1	21	0237	4.3	14.1	6	0408	4.3	14.1	21	0339	3.9	12.8	6	0535	3.5	11.5	21	0509	3.5	11.5		
0942	0.2	0.7	21	0934	0.9	3.0	1027	1.0	3.3	1027	1.0	3.3	0941	1.5	4.9	1108	2.3	7.5	1108	2.3	7.5	1011	2.4	7.9	
TH 1613	4.2	13.8	FR 1604	4.0	13.1	MO 1659	4.6	15.1	MO 1659	4.6	15.1	MO 1606	4.2	13.8	WE 1737	4.2	13.8	WE 1737	4.2	13.8	TH 1625	4.3	14.1		
JE 2133	1.9	6.2	VE 2129	2.1	6.9	DI 2325	1.4	4.6	DI 2325	1.4	4.6	LU 2233	1.7	5.6	ME			ME			VE 2359	1.5	4.9		
7	0325	4.7	15.4	22	0316	4.1	13.5	7	0505	3.9	12.8	22	0424	3.6	11.8	7	0105	1.4	4.6	22	0629	3.3	10.8		
0413	0.4	1.3	22	1011	1.1	3.6	1106	1.4	4.6	1106	1.4	4.6	1009	1.8	5.9	TH 1203	3.3	10.8	TH 1203	3.3	10.8	22	1108	2.6	8.5
FR 1659	4.3	14.1	SA 1634	4.0	13.1	MO 1742	4.5	14.8	MO 1742	4.5	14.8	TU 1635	4.2	13.8	WE 1279	2.6	8.5	WE 1279	2.6	8.5	FR 1727	4.2	13.8		
VE 2238	1.8	5.9	SA 2215	2.1	6.9	LU			LU			MA 2326	1.7	5.6	JE 1839	4.0	13.1	JE 1839	4.0	13.1	VE				
8	0421	4.3	14.1	23	0358	3.8	12.5	8	0031	1.4	4.6	23	0518	3.4	11.2	8	0220	1.5	4.9	23	0118	1.5	4.9		
1106	0.7	2.3	1029	1.3	4.3	TU 1150	1.9	6.2	0611	3.5	11.5	1046	2.1	6.9	0927	3.3	10.8	0927	3.3	10.8	23	0820	3.3	10.8	
SA 1746	4.3	14.1	SU 1706	4.0	13.1	TU 1150	1.9	6.2	TU 1150	1.9	6.2	WE 1713	4.2	13.8	WE 1713	4.2	13.8	SA 1235	2.8	9.2	SA 1235	2.8	9.2		
SA 2348	1.7	5.6	DI 2308	2.1	6.9	MA 1830	4.3	14.1	MA 1830	4.3	14.1	ME			VE 1954	3.9	12.8	VE 1954	3.9	12.8	SA 1853	4.1	13.5		
9	0521	4.0	13.1	24	0445	3.6	11.8	9	0141	1.4	4.6	24	0032	1.6	5.2	9	0336	1.4	4.6	24	0239	1.4	4.6		
1150	1.1	3.6	1059	1.6	5.2	0743	3.3	10.8	0743	3.3	10.8	0634	3.2	10.5	SA 1533	2.8	9.2	SA 1533	2.8	9.2	24	0945	3.5	11.5	
SU 1834	4.4	14.4	MO 1740	4.0	13.1	WE 1246	2.3	7.5	TH 1136	2.4	7.9	TH 1136	2.4	7.9	SA 2108	3.9	12.8	SA 2108	3.9	12.8	DI 2018	2.7	8.9		
DI			LU			ME 1926	4.2	13.8	JE 1808	4.2	13.8	JE 1808	4.2	13.8	LU 2109	4.2	13.8	LU 2109	4.2	13.8	DI 2018	4.2	13.8		
10	0120	1.6	5.2	25	0010	2.0	6.6	10	0253	1.3	4.3	25	0148	1.6	5.2	10	0438	1.3	4.3	25	0349	1.2	3.9		
0630	3.6	11.8	0542	3.3	10.8	0934	3.2	10.5	0934	3.2	10.5	0825	3.1	10.2	1122	3.7	12.1	1122	3.7	12.1	25	1039	3.8	12.5	
MO 1238	1.5	4.9	TU 1138	1.9	6.2	TH 1359	2.6	8.5	TH 1359	2.6	8.5	FR 1252	2.6	8.5	SU 1641	2.5	8.2	SU 1641	2.5	8.2	MO 1546	2.4	7.9		
LU 1924	4.4	14.4	MA 1820	4.0	13.1	JE 2028	4.1	13.5	JE 2028	4.1	13.5	VE 1920	4.2	13.8	DI 2209	4.0	13.1	DI 2209	4.0	13.1	LU 2132	4.4	14.4		
11	0213	1.5	4.9	26	0119	1.8	5.9	11	0403	1.2	3.9	26	0306	1.4	4.6	11	0526	1.2	3.9	26	0446	0.9	3.0		
0756	3.3	10.8	0658	3.1	10.2	1054	3.4	11.2	1054	3.4	11.2	1003	3.3	10.8	1158	3.9	12.8	1158	3.9	12.8	26	1121	4.1	13.5	
TU 1332	1.9	6.2	WE 1229	2.1	6.9	FR 1523	2.6	8.5	FR 1523	2.6	8.5	SA 1419	2.6	8.5	MO 1725	2.3	7.5	MO 1725	2.3	7.5	TU 1650	2.0	6.6		
MA 2015	4.4	14.4	ME 1908	4.1	13.5	VE 2129	4.1	13.5	SA 2035	4.3	14.1	SA 2035	4.3	14.1	LU 2258	4.2	13.8	LU 2258	4.2	13.8	MA 2236	4.6	15.1		
12	0321	1.3	4.3	27	0229	1.6	5.2	12	0504	1.1	3.6	27	0415	1.1	3.6	12	0603	1.1	3.6	27	0532	0.8	2.6		
0933	3.3	10.8	0839	3.1	10.2	1147	3.6	11.8	1147	3.6	11.8	1105	3.5	11.5	1227	4.0	13.1	1227	4.0	13.1	27	1159	4.4	14.4	
WE 1432	2.2	7.2	TH 1334	2.3	7.5	SA 1636	2.6	8.5	SA 1636	2.6	8.5	SU 1538	2.5	8.2	TU 1801	2.1	6.9	TU 1801	2.1	6.9	WE 1743	1.5	4.9		
ME 2106	4.4	14.4	JE 2004	4.2	13.8	SA 2224	4.2	13.8	DI 2142	4.5	14.8	DI 2142	4.5	14.8	MA 2340	4.3	14.1	MA 2340	4.3	14.1	ME 2334	4.8	15.7		
13	0423	1.1	3.6	28	0335	1.4	4.6	13	0555	1.0	3.3	28	0514	0.8	2.6	13	0634	1.1	3.6	28	0613	0.7	2.3		
1055	3.4	11.2	1012	3.2	10.5	1228	3.8	12.5	1228	3.8	12.5	1152	3.8	12.5	1253	4.2	13.8	1253	4.2	13.8	28	1234	4.7	15.4	
TH 1535	2.3	7.5	FR 1443	2.4	7.9	SU 1730	2.4	7.9	SU 1730	2.4	7.9	MO 1646	2.2	7.2	WE 1834	1.9	6.2	WE 1834	1.9	6.2	TH 1832	1.1	3.6		
JE 2155	4.4	14.4	VE 2102	4.4	14.4	DI 2312	4.3	14.1	DI 2312	4.3	14.1	TU 2242	4.8	15.7	ME			ME			JE				
14	0520	0.9	3.0	29	0437	1.0	3.3	14	0636	0.9	3.0	29	0603	0.5	1.6	14	0018	4.3	14.1	29	0028	4.9	16.1		
1156	3.6	11.8	1119	3.4	11.2	1302	3.9	12.8	1302	3.9	12.8	1233	4.1	13.5	0659	1.1	3.6	0659	1.1	3.6	29	0650	0.8	2.6	
FR 1635	2.4	7.9	SA 1548	2.4	7.9	MO 1811	2.3	7.5	MO 1811	2.3	7.5	TU 1745	4.1	13.5	TH 1317	4.3	14.1	TH 1317	4.3	14.1	FR 1307	4.9	16.1		
VE 2241	4.4	14.4	SA 2158	4.6	15.1	TU 2353	4.4	14.4	TU 2353	4.4	14.4	MA 2339	5.0	16.4	JE 1907	1.7	5.6	JE 1907	1.7	5.6	VE 1919	0.8	2.6		
15	0611	0.8	2.6	30																					

October-octobre

November-novembre

Decembre-décembre

Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds	
1	0208	4.7	15.4	16	0203	4.2	13.8	1	0337	4.1	13.5	16	0324	4.1	13.5	1	0410	4.0	13.1	16	0405	4.2	13.8	
2	0759	1.2	3.9		0732	1.8	5.9		0840	2.3	7.5		0815	2.3	7.5		0902	2.6	8.5		0901	2.3	7.5	
SU	1412	5.1	16.7		MO 1335	4.8	15.7		WE 1442	4.7	15.4		TH 1413	4.9	16.1		FR 1454	4.4	14.4		SA 1458	4.8	15.7	
DI	2053	0.6	2.0		LU 2030	1.0	3.3		ME 2206	0.9	3.0		JE 2142	0.8	2.6		VE 2124	1.1	3.6		SA 2216	0.6	2.0	
2	0256	4.5	14.8	17	0243	4.1	13.5	2	0427	3.9	12.8	17	0414	3.9	12.8	2	0458	3.9	12.8	17	0455	4.2	13.8	
3	0833	1.6	5.2		0759	2.0	6.6		0923	2.5	8.2		0901	2.5	8.2		0955	2.7	8.9		1002	2.4	7.9	
MO	1445	4.9	16.1		TU 1401	4.8	15.7		TH 1523	4.4	14.4		FR 1459	4.7	15.4		SA 1545	4.2	13.8		SU 1554	4.6	15.1	
LU	2140	0.7	2.3		MA 2107	1.0	3.3		JE 2254	1.1	3.6		ME 2231	0.9	3.0		SA 2304	1.3	4.3		DI 2301	0.9	3.0	
3	0345	4.2	13.8	18	0325	4.0	13.1	3	0524	3.8	12.5	18	0511	3.9	12.8	3	0547	3.8	12.5	18	0547	4.2	13.8	
4	0908	1.9	6.2		0831	2.1	6.9		1014	2.8	9.2		0957	2.6	8.5		1053	2.8	9.2		1116	2.3	7.5	
TU	1520	4.7	15.4		WE 1432	4.7	15.4		FR 1612	4.1	13.5		SA 1556	4.5	14.8		SU 1636	3.9	12.8		MO 1655	4.2	13.8	
MA	2230	0.9	3.0		ME 2150	1.0	3.3		VE 2346	1.4	4.6		SA 2325	1.1	3.6		DI 2346	1.5	4.9		LU 2349	1.1	3.6	
4	0438	3.9	12.8	19	0413	3.8	12.5	4	0634	3.6	11.8	19	0617	3.8	12.5	4	0640	3.8	12.5	19	0641	4.3	14.1	
5	0948	2.3	7.5		FR 1509	2.4	7.9		SA 1121	2.9	9.5		1112	2.7	8.9		1211	2.8	9.2		1243	2.2	7.2	
WE	1559	4.4	14.4		TU 0910	4.6	15.1		SA 1714	3.8	12.5		SU 1704	4.2	13.8		MO 1716	3.6	11.8		TU 1806	3.9	12.8	
MA	2324	1.2	3.9		ME 2240	1.1	3.6	SA				DI							MA					
5	0542	3.6	11.8	20	0511	3.6	11.8	5	0043	1.6	5.2	20	0025	1.2	3.9	5	0033	1.7	5.6	20	0041	1.4	4.6	
6	1036	2.6	8.5		FR 0956	2.6	8.5		0752	3.6	11.8		0726	3.9	12.8		0733	3.9	12.8		0734	4.4	14.4	
TH	1649	4.1	13.5		MO 1612	2.9	9.5		SU 1302	2.9	9.5		MO 1253	2.6	8.5		TU 1346	2.6	8.5		WE 1405	1.9	6.2	
JE					VE 2341	1.3	4.3		DI 1827	3.6	11.8		LU 1824	4.0	13.1		MA 1847	3.4	11.2		ME 1930	3.7	12.1	
6	0026	1.4	4.6	21	0631	3.5	11.5	6	0146	1.7	5.6	21	0128	1.4	4.6	6	0125	1.9	6.2	21	0138	1.7	5.6	
7	0713	3.4	11.2		MO 1104	2.7	8.9		0855	3.8	12.5		0826	4.1	13.5		0822	4.0	13.1		0826	4.6	15.1	
FR	1144	2.9	9.5		SA 1711	4.2	13.8		MO 1452	2.7	8.9		TU 1428	2.3	7.5		MO 1500	2.3	7.5		TH 1514	1.6	5.2	
VE	1755	3.9	12.8	SA				MA 1947	3.5	11.5		MA 1950	3.9	12.8		ME 2011	3.4	11.2		VE 2104	3.6	11.8		
7	0137	1.6	5.2	22	0053	1.4	4.6	7	0245	1.8	5.9	22	0230	1.5	4.9	7	0219	2.1	6.9	22	0237	2.0	6.6	
8	0854	3.5	11.5		0801	3.6	11.8		0740	3.9	12.8		0916	4.4	14.4		0903	4.1	13.5		0914	4.7	15.4	
SA	1334	2.9	9.5		SU 1242	2.8	9.2		TU 1552	2.4	7.9		WE 1536	1.8	5.9		WE 1554	2.0	6.6		FR 1614	1.2	3.9	
SA	1916	3.7	12.1	DI	1838	4.0	13.1	MA	2105	3.6	11.8	ME	2114	3.9	12.8	JE	2135	3.4	11.2	VE	2228	3.7	12.1	
8	0251	1.6	5.2	23	0208	1.4	4.6	8	0335	1.8	5.9	23	0325	1.6	5.2	8	0311	2.2	7.2	23	0335	2.2	7.2	
9	0958	3.7	12.1		0911	3.8	12.5		1014	4.1	13.5		0959	4.6	15.1		0940	4.3	14.1		0959	4.8	15.7	
SU	1530	2.7	8.9		MO 1433	2.5	8.2		WE 1635	2.0	6.6		TH 1632	1.4	4.6		FR 1639	1.6	5.2		SA 1710	0.9	3.0	
DI	2037	3.7	12.1	LU	2006	4.1	13.5	ME	2211	3.7	12.1	TH	2228	4.0	13.1	VE	2245	3.6	11.8	SA	2335	3.9	12.8	
9	0353	1.6	5.2	24	0315	1.3	4.3	9	0416	1.8	5.9	24	0414	1.7	5.6	9	0357	2.3	7.5	24	0430	2.3	7.5	
10	1040	3.8	12.5		MO 1041	4.1	13.5		1042	4.3	14.1		1038	4.9	16.1		1051	4.5	14.8		1043	4.9	16.1	
MO	1626	2.4	7.9		TU 1549	2.1	6.9		TH 1713	1.7	5.6		FR 1722	1.0	3.3		SA 1721	1.3	4.3		SU 1801	0.7	2.3	
LU	2145	3.8	12.5	MA	2124	4.2	13.8	JE	2305	3.8	12.5	JE	2331	4.1	13.5	SA	2339	3.8	12.5	DI				
10	0440	1.5	4.9	25	0409	1.2	3.9	10	0452	1.9	6.2	25	0459	1.8	5.9	10	0440	2.3	7.5	25	0030	4.0	13.1	
11	1113	4.0	13.1		1042	4.4	14.4		1109	4.5	14.8		1114	5.0	16.4		1049	4.7	15.4		0521	2.4	7.9	
TU	1706	2.1	6.9		WE 1645	1.6	5.2		FR 1749	1.4	4.6		SA 1810	0.7	2.3		SU 1802	1.0	3.3		MO 1125	4.9	16.1	
MA	2239	4.0	13.1	ME	2232	4.3	14.1	VE	2352	4.0	13.1	SA			DI			LO 1848	0.6	2.0	LU	1848	0.6	2.0
11	0516	1.5	4.9	26	0455	1.2	3.9	11	0525	1.9	6.2	26	0026	4.2	13.8	11	0026	3.9	12.8	26	0116	4.1	13.5	
12	1140	4.2	13.8		1119	4.7	15.4		1135	4.6	15.1		0541	2.0	6.6		0520	2.3	7.5		0608	2.4	7.9	
WE	1741	1.9	6.2		TH 1735	1.2	3.9		SA 1825	1.1	3.6		SU 1150	5.1	16.7		MO 1123	4.9	16.1		TU 1205	4.9	16.1	
SA	2324	4.1	13.5	SA	2331	4.5	14.8	SA			DI	1855	0.5	1.6	LU	1843	0.8	2.6	MA	1932	0.5	1.6		
12	0546	1.4	4.6	27	0535	1.2	3.9	12	0035	4.1	13.5	27	0116	4.3	14.1	12	0109	4.1	13.5	27	0158	4.2	13.8	
13	1204	4.3	14.1		FR 1821	0.8	2.6		0557	2.0	6.6		0621	2.1	6.9		0559	2.3	7.5		0651	2.4	7.9	
TH	1814	1.6	5.2	VE				SU 1202	4.8	15.7		MO 1225	5.1	16.7		TU 1159	5.0	16.4		WE 1245	4.9	16.1		
JE				FR				DI 1901	0.9	3.0		LU 1940	0.4	1.3		MO 1424	0.6	2.0		ME 2012	0.6	2.0		
13	0005	4.2	13.8	28	0025	4.6	15.1	13	0117	4.2	13.8	28	0202	4.3	14.1	13	0151	4.2	13.8	28	0237	4.2	13.8	
14	0613	1.5	4.9		0613	1.4	4.6		0629	2.0	6.6		0640	2.2	7.2		0624	2.3	7.5		0732	2.4	7.9	
FR	1227	4.5	14.8		SA 1906	0.5	1.6		MO 1229	4.9	16.1		TU 1301	5.0	16.4		WE 1238	5.1	16.7		TH 1324	4.8	15.7	
VE	1847	1.3	4.3		SA 1906	0.5	1.6		LU 1937	0.7	2.3	MA	2023	0.5	1.6	ME	2006	0.5	1.6	JE	2048	0.7	2.3	
14	0045	4.2	13.8	29	0116	4.6	15.1	14	0158	4.2	13.8	29	0246	4.2	13.8	14	0234	4.2	13.8	29	0313	4.2	13.8	
15	0639	1.5	4.9		0649	1.6	5.2		0701	2.1	6.9		0741	2.4	7.9		0722	2.3	7.5		0811	2.4	7.9	
TU	1249	4.6	15.1		SU 1258	5.2	17.1		TU 1259	5.0	16.4		WE 1339	4.9	16.1		TH 1321	5.1	16.7		FR 1402	4.7	15.4	
SA	1921	1.2	3.9	DI	1951	0.4	1.3	MA	2016	0.7	2.3	ME	2105	0.6	2.0	JE	2049	0.4	1.3	SA	2121	0.8	2.6	
15	0124	4.3	14.1	30	0203	4.5	14.8	15	0240	4.1	13.5	30	0329	4.1	13.5	15	0319	4.2	13.8	30	0348	4.1	13.5	
16	0705	1.6	5.2		MO 1725	1.8	5.9		0736	2.2	7.2		0822	2.5	8.2		FR 1809	2.3	7.5		SA 1851	2.4	7.9	
SU	1312	4.7	15.4		LU 1331	5.1	16.7		WE 1333	5.0	16.4		TH 1418	4.7	15.4		SU 1407	5.0	16.4		SA 1841	4.5	14.8	
DI	1955	1.0	3.3	LU	2036	0.5	1.6	ME	2057	0.7	2.3	JE	2145	0.8	2.6	VE	2132	0.5	1.6	SA	2151	1.0	3.3	
31	0250	4.3	14.1	31	0250	4.3	14.1																	
1	0801	2.1	6.9		080																			

January-janvier

February-février

March-mars

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds				
1	0458	4.1	13.5	16	0507	4.6	15.1	1	0506	4.2	13.8	16	0546	4.6	15.1	1	0403	4.4	14.4	16	0500	4.4	14.4				
MO	1024	2.5	8.2	LU	1107	1.8	5.9	SA	1139	2.1	6.9	FR	1259	1.4	4.6	WE	1057	1.6	5.2	SA	1227	1.2	3.9	SA	1849	3.4	11.2
MO	1605	4.0	13.1	MA	1209	4.2	13.8	TH	1715	3.5	11.5	FR	1857	3.4	11.2	VE	1654	3.5	11.5	SA	1849	3.4	11.2	SA	2333	2.6	8.5
LU	2252	1.4	4.6	JE	2302	1.1	3.9	JE	2302	1.1	3.9	FR				WE	2215	2.2	7.2	SA	2333	2.6	8.5	SA			
2	0535	4.0	13.1	17	0551	4.6	15.1	2	0541	4.2	13.8	17	0001	2.4	7.9	2	0435	4.3	14.1	17	0559	4.1	13.5				
TU	1123	2.5	8.2	TU	1219	1.8	5.9	VE	1247	2.0	6.6	SA	0642	4.4	14.4	SA	1154	1.7	5.6	LU	1341	1.4	4.6				
TU	1653	3.7	12.1	WE	1748	3.8	12.5	SA	1825	3.2	10.5	SA	1416	1.4	4.6	SA	1759	3.2	10.5	SA	2047	3.4	11.2				
MA	2326	1.7	5.6	ME	2353	1.6	5.2	VE	2346	2.4	7.9	SA	2057	3.3	10.8	SA	2256	2.5	8.2	DI							
3	0616	4.0	13.1	18	0640	4.6	15.1	3	0628	4.2	13.8	18	0115	2.7	8.9	3	0522	4.2	13.8	18	0100	2.8	9.2				
TU	1237	2.4	7.9	TU	1333	1.6	5.2	SA	1402	1.9	6.2	SA	0751	4.2	13.8	SA	1308	1.7	5.6	DI	0716	3.9	12.8				
WE	1753	3.4	11.2	TH	1910	3.5	11.5	SA	2014	3.1	10.2	SU	1534	1.4	4.6	SU	1947	3.1	10.2	MO	1502	1.5	4.9				
ME				JE				SA				DI	2233	3.5	11.5	DI				LU	2211	3.5	11.5				
4	0008	2.0	6.6	19	0045	2.1	6.9	4	0053	2.6	8.5	19	0258	2.8	9.2	4	0003	2.7	8.9	19	0314	2.8	9.2				
0700	4.1	13.5	FR	0733	4.5	14.8	0730	4.2	13.8	0730	4.2	13.8	MO	0905	4.2	13.8	0634	4.1	13.5	0841	3.8	12.5					
TH	1354	2.2	7.2	FR	1446	1.5	4.9	SU	1516	1.7	5.6	MO	1643	1.2	3.9	MO	1432	1.6	5.2	MA	1613	1.4	4.6				
JE	1913	3.2	10.5	VE	2058	3.4	11.2	DI	2206	3.2	10.5	LU	2331	3.7	12.1	LU	2145	3.2	10.5	MA	2303	3.7	12.1				
5	0100	2.3	7.5	20	0150	2.4	7.9	5	0215	2.7	8.9	20	0431	2.7	8.9	5	0141	2.8	9.2	20	0434	2.6	8.5				
0748	4.2	13.8	0831	4.5	14.8	0837	4.3	14.1	0837	4.3	14.1	20	1011	4.2	13.8	0759	4.1	13.5	0956	3.9	12.8						
FR	1502	2.0	6.6	SA	1556	1.3	4.3	MO	1622	1.4	4.6	TH	1738	1.1	3.6	SA	1549	1.4	4.6	WE	1707	1.3	4.3				
VE	2054	3.2	10.5	SA	2233	3.5	11.5	LU	2314	3.5	11.5	MA			MA	2251	3.5	11.5	ME	2341	3.9	12.8					
6	0202	2.5	8.2	21	0305	2.6	8.5	6	0338	2.7	8.9	21	0013	3.9	12.8	6	0315	2.7	8.9	21	0522	2.3	7.5				
0836	4.3	14.1	SU	0928	4.5	14.8	0938	4.5	14.8	0938	4.5	14.8	21	0530	2.5	8.2	0915	4.3	14.1	1053	4.0	13.1					
SA	1559	1.7	5.6	SA	1658	1.1	3.6	TH	1719	1.0	3.3	WE	1105	4.3	14.1	WE	1651	1.1	3.6	TH	1747	1.2	3.9				
SA	2225	3.4	11.2	DI	2339	3.7	12.1	MA			ME	1822	0.9	3.0	ME	2335	3.8	12.5	JE								
7	0304	2.6	8.5	22	0418	2.6	8.5	7	0002	3.7	12.1	22	0048	4.1	13.5	7	0429	2.4	7.9	22	0012	4.1	13.5				
0923	4.4	14.4	0434	4.6	15.1	0434	2.5	8.2	0434	2.5	8.2	22	0612	2.3	7.5	TH	1020	4.6	15.1	0559	2.0	6.6					
SU	1652	1.3	4.3	MO	1753	0.9	3.0	WE	1035	4.8	15.7	TH	1150	4.4	14.4	TH	1740	0.8	2.6	TH	1137	4.1	13.5				
DI	2327	3.6	11.8	LU				ME	1808	0.7	2.3	JE	1857	0.9	3.0	JE			WE	1819	1.2	3.9					
8	0400	2.6	8.5	23	0029	3.9	12.8	8	0042	4.0	13.1	23	0119	4.2	13.8	8	0013	4.1	13.5	23	0039	4.2	13.8				
1009	4.6	15.1	0520	2.6	8.5	0551	2.3	7.5	0551	2.3	7.5	23	0647	2.1	6.9	0528	2.0	6.6	0632	1.8	5.9						
MO	1741	1.0	3.3	TU	1112	4.6	15.1	TH	1128	5.0	16.4	FR	1228	4.5	14.8	FR	1118	4.8	15.7	SA	1216	4.2	13.8				
LU			MA	1840	0.7	2.3	JE	1852	0.4	1.3	JE	1926	0.9	3.0	VE	1823	0.5	1.6	SA	1846	1.2	3.9					
9	0016	3.8	12.5	24	0109	4.1	13.5	9	0120	4.2	13.8	24	0145	4.3	14.1	9	0048	4.4	14.4	24	0102	4.3	14.1				
0452	2.5	8.2	0610	2.5	8.2	0624	2.0	6.6	0624	2.0	6.6	24	0720	1.9	6.2	SA	1212	1.6	5.2	0704	1.5	4.9					
TU	1055	4.9	16.1	WE	1156	4.7	15.4	FR	1220	5.2	17.1	SA	1303	4.5	14.8	SA	1213	0.5	1.6	SU	1252	4.3	14.1				
MA	1827	0.7	2.3	ME	1920	0.7	2.3	VE	1932	0.3	1.0	SA	1951	0.9	3.0	SA	1901	0.5	1.6	DI	1909	1.2	3.9				
10	0059	4.0	13.1	25	0145	4.2	13.8	10	0157	4.5	14.8	25	0209	4.4	14.4	10	0122	4.7	15.4	25	0124	4.4	14.4				
0540	2.4	7.9	0651	2.3	7.5	0715	1.7	5.6	0715	1.7	5.6	25	0752	1.8	5.9	0710	1.2	3.9	0736	1.4	4.6						
WE	1140	5.1	16.7	TH	1236	4.7	15.4	SA	1310	5.2	17.1	SA	1338	4.5	14.8	SU	1305	5.0	16.4	MO	1328	4.2	13.8				
ME	1911	0.5	1.6	JE	1954	0.7	2.3	SA	2009	0.3	1.0	DI	2013	1.0	3.3	DI	1936	0.5	1.6	LU	1931	1.3	4.3				
11	0141	4.1	13.5	26	0217	4.2	13.8	11	0233	4.7	15.4	26	0232	4.4	14.4	11	0156	4.9	16.1	26	0145	4.5	14.8				
0628	2.3	7.5	0727	2.2	7.2	0807	1.5	4.9	0807	1.5	4.9	26	0824	1.7	5.6	0759	0.9	3.0	0808	1.2	3.9						
TH	1227	5.2	17.1	FR	1313	4.7	15.4	SU	1400	5.1	16.7	MO	1413	4.4	14.4	MO	1405	4.9	16.1	TU	1405	4.2	13.8				
JE	1953	0.3	1.0	VE	2024	0.7	2.3	DI	2045	0.4	1.3	DI	2034	1.2	3.9	LU	2011	0.7	2.3	MA	1954	1.5	4.9				
12	0221	4.3	14.1	27	0247	4.3	14.1	12	0309	4.8	15.7	27	0254	4.4	14.4	12	0229	5.0	16.4	27	0206	4.6	15.1				
0717	2.1	6.9	0802	2.2	7.2	0859	1.3	4.3	0859	1.3	4.3	27	0858	1.6	5.2	0847	0.7	2.3	0841	1.2	3.9						
FR	1315	5.2	17.1	SA	1349	4.6	15.1	MO	1450	4.9	16.1	TU	1449	4.2	13.8	SA	1444	4.7	15.4	WE	1442	4.1	13.5				
VE	2034	0.3	1.0	SA	2050	0.8	2.6	LU	2119	0.6	2.0	MA	2056	1.4	4.6	MA	2044	1.0	3.3	SA	2018	1.7	5.6				
13	0302	4.4	14.4	28	0314	4.3	14.1	13	0345	4.9	16.1	28	0316	4.4	14.4	13	0302	5.1	16.7	28	0227	4.6	15.1				

July-juillet

August-août

September-septembre

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds				
1	0514	0.7	2.3	16	0620	0.7	2.3	1	0636	0.2	0.7	16	0028	4.5	14.8	1	0110	5.0	16.4	16	0117	4.4	14.4				
SA	1143	3.7	12.1	MA	1248	3.8	12.5	MA	1302	4.1	13.5	WE	0708	0.7	2.3	FR	0735	0.3	1.0	SA	0727	1.1	3.6	SA	1335	4.4	14.4
SA	1657	2.1	6.9	DI	1806	2.2	7.2	MA	1828	1.7	5.6	WE	1326	4.0	13.1	FR	1351	4.9	16.1	FR	1951	0.9	3.0	SA	1946	1.2	3.9
SA	2259	4.8	15.7	DI				MA				WE	1903	1.8	5.9	FR	1955	0.9	3.0	SA							
2	0602	0.4	1.3	17	0004	4.5	14.8	2	0031	5.1	16.7	17	0102	4.5	14.8	2	0158	4.9	16.1	17	0151	4.3	14.1				
SA	1252	3.9	12.8	MO	0658	0.6	2.0	WE	0720	0.0	0.0	TH	0736	0.8	2.6	SA	0813	0.6	2.0	SU	0753	1.3	4.3				
SU	1747	2.0	6.6	MO	1324	3.8	12.5	WE	1344	4.3	14.1	TH	1351	4.1	13.5	SA	1428	4.9	16.1	SU	1400	4.5	14.8				
DI	2349	4.9	16.1	LU	1844	2.1	6.9	ME	1919	1.5	4.9	JE	1937	1.7	5.6	SA	2043	0.8	2.6	DI	2021	1.2	3.9				
3	0650	0.2	0.7	18	0042	4.5	14.8	3	0122	5.1	16.7	18	0136	4.4	14.4	3	0246	4.6	15.1	18	0227	4.2	13.8				
MO	1318	4.0	13.1	LU	0733	0.6	2.0	MO	0803	0.1	0.3	FR	0803	0.9	3.0	SA	0851	0.9	3.0	MO	0821	1.5	4.9				
LU	1837	1.9	6.2	TU	1357	3.9	12.8	TH	1425	4.5	14.8	FR	1418	4.2	13.8	SU	1506	4.9	16.1	MO	1427	4.5	14.8				
				MA	1921	2.0	6.6	JE	2011	1.3	4.3	VE	2011	1.6	5.2	DI	2132	0.8	2.6	LU	2058	1.1	3.6				
4	0038	5.0	16.4	19	0118	4.5	14.8	4	0211	4.9	16.1	19	0209	4.3	14.1	4	0336	4.2	13.8	19	0306	4.0	13.1				
SA	0736	0.1	0.3	MO	0805	0.6	2.0	MA	0844	0.2	0.7	SA	0830	1.0	3.3	MO	0930	1.3	4.3	SA	0850	1.7	5.6				
TU	1404	4.1	13.5	WE	1429	3.9	12.8	FR	1505	4.6	15.1	SA	1445	4.2	13.8	LU	1545	4.7	15.4	TU	1457	4.5	14.8				
MA	1928	1.8	5.9	ME	1957	2.0	6.6	VE	2103	1.2	3.9	SA	2047	1.6	5.2	LU	2224	1.0	3.3	MA	2139	1.2	3.9				
5	0129	5.0	16.4	20	0153	4.4	14.4	5	0302	4.7	15.3	20	0245	4.1	13.5	5	0430	3.9	12.8	20	0349	3.7	12.1				
WE	0823	0.1	0.3	MO	0836	0.7	2.3	SU	0925	0.5	1.6	SA	0857	1.2	3.9	MO	1012	1.8	5.9	SA	0922	2.0	6.6				
SA	1450	4.2	13.8	TH	1459	3.9	12.8	SA	1547	4.6	15.1	SU	1512	4.2	13.8	TU	1629	4.5	14.8	WE	1532	4.4	14.4				
ME	2021	1.7	5.6	JE	2034	2.0	6.6	SA	2157	1.2	3.9	DI	2126	1.5	4.9	MA	2321	1.2	3.9	MA	2226	1.3	4.3				
6	0221	4.9	16.1	21	0228	4.2	13.8	6	0354	4.3	14.1	21	0323	3.9	12.8	6	0336	3.5	11.5	21	0426	3.5	11.5				
FR	0908	0.2	0.7	MO	0906	0.9	3.0	MO	1006	0.9	3.0	MO	0926	1.4	4.6	ME	1102	2.2	7.2	DI	1002	2.3	7.5				
TH	1537	4.2	13.8	FR	1529	3.9	12.8	SU	1630	4.6	15.1	MO	1543	4.2	13.8	WE	1721	4.2	13.8	TH	1616	4.3	14.1				
DI	2117	1.7	5.6	VE	2114	1.9	6.2	DI	2254	1.2	3.9	LU	2209	1.5	4.9	ME				VE	2325	1.4	4.6				
7	0314	4.7	15.4	22	0306	4.1	13.5	7	0450	3.9	12.8	22	0407	3.7	12.1	7	0529	1.4	4.6	22	0554	3.3	10.8				
FR	0954	0.4	1.3	MO	0936	1.1	3.6	MO	1050	1.4	4.6	MO	0957	1.7	5.6	TH	1210	2.5	8.2	FR	1058	2.5	8.2				
FR	1624	4.3	14.1	SA	1601	3.9	12.8	MO	1716	4.5	14.8	TU	1617	4.2	13.8	JE	1818	2.0	6.6	FR	1716	4.1	13.5				
VE	2217	1.6	5.2	SA	2157	1.9	6.2	LU	2356	1.3	4.3	MA	2259	1.5	4.9	MA	2321	1.2	3.9	VE							
8	0410	4.3	14.1	23	0346	3.9	12.8	8	0556	3.5	11.5	23	0459	3.4	11.2	8	0151	1.5	4.9	23	0040	1.4	4.6				
MA	1041	0.7	2.3	MO	1008	1.3	4.3	LU	1139	1.8	5.9	MO	1035	2.0	6.6	FR	0845	3.3	10.8	SA	0733	3.3	10.8				
SA	1713	4.3	14.1	SU	1635	4.0	13.1	TU	1809	4.3	14.1	WE	1659	4.2	13.8	FR	1345	2.6	8.5	SA	1227	2.6	8.5				
MA	2320	1.6	5.2	DI	2246	1.9	6.2	MA				ME	2358	1.5	4.9	VE	1955	3.9	12.8	SA	1839	4.0	13.1				
9	0511	4.0	13.1	24	0432	3.6	11.8	9	0105	1.3	4.3	24	0608	3.2	10.5	9	0310	1.4	4.6	24	0207	1.4	4.6				
SU	1129	1.1	3.6	MO	1042	1.5	4.9	MO	0717	3.3	10.8	MO	1124	2.3	7.5	SA	1001	3.5	11.5	SA	0904	3.4	11.2				
DI	1804	4.3	14.1	MO	1713	4.0	13.1	WE	1242	2.2	7.2	TH	1753	4.1	13.5	SA	1513	2.6	8.5	SU	1410	2.6	8.5				
				LU	2340	1.8	5.9	ME	1911	4.2	13.8	JE				SA	2110	4.0	13.1	DI	2009	4.1	13.5				
10	0028	1.5	4.9	25	0528	3.4	11.2	10	0222	1.3	4.3	25	0110	1.5	4.9	10	0411	1.3	4.3	25	0320	1.1	3.6				
MO	0618	3.7	12.1	MO	1122	1.8	5.9	MO	0854	3.3	10.8	MO	0742	3.1	10.2	MO	1050	3.6	11.8	MO	1003	3.7	12.1				
MO	1222	1.5	4.9	MA	1757	4.0	13.1	TH	1401	2.4	7.9	FR	1236	2.5	8.2	DI	2209	4.1	13.5	MO	1528	2.2	7.2				
LU	1857	4.3	14.1	MA				ME	2021	4.1	13.5	VE	1903	4.1	13.5	DI	2209	4.1	13.5	LU	2125	4.3	14.1				
11	0138	1.4	4.6	26	0043	1.7	5.6	11	0334	1.2	3.9	26	0230	1.3	4.3	11	0457	1.2	3.9	26	0417	0.9	3.0				
TH	0736	3.4	11.2	MO	0638	3.2	10.5	MO	1016	3.4	11.2	MO	0919	3.3	10.8	MO	1125	3.8	12.5	MO	1047	4.1	13.5				
TU	1321	1.8	5.9	WE	1212	2.0	6.6	FR	1521	2.5	8.2	SA	1409	2.5	8.2	MO	1658	2.1	6.9	TU	1627	1.8	5.9				
MA	1953	4.3	14.1	ME	1848	4.1	13.5	VE	2127	4.1	13.5	SA	2021	4.2	13.8	LU	2255	4.2	13.8	MA	2227	4.6	15.1				
12	0247	1.3	4.3	27	0151	1.6	5.2	12	0434	1.1	3.6	27	0342	1.1	3.6	12	0534	1.1	3.6	27	0504	0.7	2.3				
WE	0901	3.4	11.2	MO	0803	3.1	10.2	SA	1112	3.5	11.5	SA	1026	3.5	11.5	MO	1155	4.0	13.1	SA	1126	4.4	14.4				
WE	1426	2.1	6.9	TH	1315	2.2	7.2	SA	1625	2.4	7.9	SU	1531	2.4	7.9	TU	1735	1.9	6.2	WE	1717	1.4	4.6				
ME	2050	4.3	14.1	JE	1945	4.2	13.8	SA	2224	4.2	13.8	DI	2133	4.4	14.4	MA	2355	4.3	14.1	MA	2321	4.8	15.7				
13	0351	1.1	3.6	28	0259	1.3	4.3	13	0523	1.0	3.3	28	0441	0.7	2.3	13	0606	1.0	3.3	28	0546	0.6	2.0				
TH	1017	3.4	11.2	MO	0930	3.2	10.5	SU	1154	3.7	12.1	MO	1115	3.8	12.5	MO	1221	4.1	13.5	MO	1202	4.8	15.7				
TH	1533	2.2	7.2	FR	1428	2.3	7.5	SU	1713	2.2	7.2	MO	1634	2.1	6.9	WE	1809	1.7	5.6	TH	1804	1.0	3.3				
JE	2144	4.4	14.4	VE	2046	4.3	14.1	DI	2311	4.3	14.1	LU	2236	4.7	15.4	ME				JE							
14	0447	0.9	3.0	29	0401	1.0	3.3	14	0603	0.8	2.6	29	0530	0.5	1.6	14	00										

October-octobre

November-novembre

December-décembre

Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds
1	0145	4.7	15.4	16	0135	4.3	14.1	1	0306	4.1	13.5	16	0248	4.1	13.5	1	0309	4.0	13.1	16	0327	4.2	13.8
SU	1349	5.1	16.7	MO	1320	4.8	15.7	WE	1432	4.7	15.4	TH	1405	4.8	15.7	FR	1451	4.4	14.4	SA	1499	4.8	15.7
DI	2020	0.5	1.6	LU	1957	0.6	2.6	ME	2128	0.8	2.6	JE	2105	0.7	2.3	VE	2148	1.1	3.6	SA	2142	0.6	2.0
2	0231	4.5	14.8	17	0213	4.2	13.8	2	0356	3.9	12.8	17	0336	4.0	13.1	2	0425	3.9	12.8	17	0417	4.2	13.8
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
3	0320	4.2	13.8	18	0254	4.0	13.1	3	0453	3.7	12.1	18	0432	3.9	12.8	3	0515	3.8	12.5	18	0510	4.2	13.8
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
4	0412	3.9	12.8	19	0340	3.8	12.5	4	0602	3.6	11.8	19	0537	3.8	12.5	4	0609	3.8	12.5	19	0605	4.3	14.1
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
5	0515	3.6	11.8	20	0437	3.6	11.8	5	0014	1.6	5.2	20	0647	3.9	12.8	5	0009	1.7	5.6	20	0019	1.4	4.6
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
6	0638	3.4	11.2	21	0550	3.5	11.5	6	0823	3.7	12.1	21	0102	1.4	4.6	6	0756	4.0	13.1	21	0119	1.7	5.6
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
7	0719	1.6	5.2	22	0019	1.4	4.6	7	0911	3.9	12.8	22	0206	1.4	4.6	7	0202	2.0	6.6	22	0221	2.0	6.6
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
8	0828	1.6	5.2	23	0139	1.3	4.3	8	0317	1.8	5.9	23	0304	1.5	4.9	8	0259	2.1	6.9	23	0323	2.2	7.2
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
9	0929	1.5	4.9	24	0248	1.2	3.9	9	0359	1.8	5.9	24	0356	1.6	5.2	9	0343	2.2	7.2	24	0421	2.3	7.5
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
10	1046	1.4	4.6	25	0344	1.1	3.6	10	0437	1.8	5.9	25	0444	1.7	5.6	10	0427	2.2	7.2	25	0513	2.3	7.5
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
11	1111	4.1	13.5	26	0431	1.1	3.6	11	0511	1.8	5.9	26	0529	1.9	6.2	11	0509	2.2	7.2	26	0040	4.1	13.5
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
12	1252	1.3	4.3	27	0514	1.1	3.6	12	0005	4.1	13.5	27	0042	4.3	14.1	12	0031	4.1	13.5	27	0122	4.2	13.8
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
13	1354	1.4	4.6	28	0000	4.6	15.1	13	0044	4.2	13.8	28	0127	4.3	14.1	13	0113	4.2	13.8	28	0201	4.2	13.8
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
14	0024	4.3	14.1	29	0048	4.6	15.1	14	0123	4.2	13.8	29	0211	4.2	13.8	14	0156	4.2	13.8	29	0238	4.2	13.8
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
15	0059	4.3	14.1	30	0134	4.5	14.8	15	0204	4.2	13.8	30	0255	4.1	13.5	15	0202	4.2	13.8	30	0314	4.1	13.5
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0
16	0145	4.7	15.4	31	0219	4.3	14.1	16	0617	3.9	12.8	31	0728	2.1	6.9	16	0802	2.2	7.2	31	0349	4.1	13.5
MO	1426	5.0	16.4	TU	1350	4.8	15.7	TH	1514	4.4	14.4	FR	1451	4.7	15.4	SA	1549	4.2	13.8	SU	1544	4.6	15.1
LU	2106	0.6	2.0	MA	2035	0.8	2.6	JE	2216	1.1	3.6	VE	2154	0.9	3.0	SA	2231	1.3	4.3	DI	2231	0.9	3.0

January-janvier

February-février

March-mars

Day	Time	Metres	Feet	jour	heure	mètres	pièds	Day	Time	Metres	Feet	jour	heure	mètres	pièds	Day	Time	Metres	Feet	jour	heure	mètres	pièds
1	0425	4.1	13.5	16	0433	4.7	15.4	1	0439	4.3	14.1	16	0523	4.6	15.1	1	0428	4.4	14.4	16	0443	4.5	14.8
1	1010	2.4	7.9		1041	1.7	5.6		1109	2.0	6.6		1220	1.4	4.6		1037	1.6	5.2		1148	1.3	4.3
MO	1553	4.0	13.1	TU	1632	4.3	14.1	JH	1658	3.6	11.8	FR	1830	3.5	11.5	FR	1603	3.6	11.8	SA	1815	3.5	11.5
LU	2226	1.4	4.6	MA	2247	1.2	3.9	TE	2266	2.0	6.6	VE	2353	2.3	7.5	VE	2021	2.1	6.9	SA	2328	2.5	8.2
2	0503	4.0	13.1	17	0520	4.7	15.4	2	0519	4.2	13.8	17	0624	4.4	14.4	2	0423	4.3	14.1	17	0546	4.2	13.8
	1104	2.4	7.9		1145	1.7	5.6		1208	1.9	6.2		1339	1.5	4.9		1120	1.6	5.2		1306	1.5	4.9
TU	1642	3.8	12.5	WE	1735	3.9	12.8	FR	1801	3.3	10.8	SA	2012	3.4	11.2	SA	1729	3.4	11.2	SU	1959	3.4	11.2
MA	2304	1.7	5.6	ME	2355	1.6	5.2	VE	2329	2.3	7.5	SA				SA	2243	2.4	7.9	DI			
3	0545	4.0	13.1	18	0611	4.6	15.1	3	0608	4.2	13.8	18	0113	2.6	8.5	3	0310	4.2	13.8	18	0059	2.7	8.9
	1205	2.3	7.5		1255	1.6	5.2		1318	1.9	6.2		0739	4.2	13.8		1226	1.7	5.6		0712	4.0	13.1
WE	1741	3.5	11.5	TH	1851	3.6	11.8	SA	1930	3.2	10.5	SU	1503	1.5	4.9	SU	1855	3.2	10.5	MO	1434	1.6	5.2
ME	2347	2.0	6.6	JE				SA				DI	2152	3.5	11.5	DI	2345	2.6	8.5	LU	2133	3.5	11.5
4	0632	4.1	13.5	19	0032	2.0	6.6	4	0030	2.5	8.2	19	0250	2.7	8.9	4	0616	4.1	13.5	19	0244	2.7	8.9
	1313	2.2	7.2		0709	4.6	15.1		0708	4.2	13.8		0859	4.2	13.8		1350	1.6	5.2		0840	3.9	12.8
TH	1856	3.3	10.8	FR	1409	1.5	4.9	FR	1434	1.7	5.6	MO	1613	1.3	4.3	MO	2049	3.3	10.8	MO	1545	1.5	4.9
FR				JE	2022	3.5	11.5	DI	2113	3.3	10.8	LU	2257	3.7	12.1	LU				MA	2230	3.7	12.1
SA				20	0141	2.4	7.9	5	0153	2.7	8.9	20	0407	2.6	8.5	5	0124	2.8	9.2	20	0357	2.5	8.2
0	0722	4.2	13.8		0812	4.5	14.8		0816	4.3	14.1		1006	4.3	14.1	5	0740	4.1	13.5		0949	4.0	13.1
FR	1421	2.0	6.6	SA	1522	1.3	4.3	MO	1545	1.4	4.6	TU	1707	1.2	3.9	TU	1512	1.4	4.6	WE	1637	1.3	4.3
VE	2023	3.3	10.8	MA	2153	3.5	11.5	LU	2228	3.5	11.5	MA	2341	3.9	12.8	MA	2206	3.5	11.5	ME	2309	3.9	12.8
6	0140	2.4	7.9	21	0259	2.5	8.2	6	0317	2.7	8.9	21	0501	2.4	7.9	6	0303	2.6	8.5	21	0446	2.2	7.2
	0814	4.3	14.1	SU	0915	4.5	14.8		0924	4.5	14.8		1059	4.5	14.8		0903	4.3	14.1		1041	4.2	13.8
SA	1521	1.7	5.6	TU	1626	1.2	3.9	TU	1641	1.1	3.6	WE	1749	1.0	3.3	WE	1616	1.1	3.6	TH	1717	1.2	3.9
MA	2143	3.4	11.2	DI	2302	3.7	12.1	MA	2320	3.7	12.1	ME			ME	2255	3.8	12.5	ME	2339	4.0	13.1	
7	0245	2.5	8.2	22	0410	2.5	8.2	7	0424	2.5	8.2	22	0015	4.0	13.1	7	0412	2.3	7.5	22	0526	1.9	6.2
	0904	4.4	14.4		1014	4.6	15.1		1024	4.7	15.4		0543	2.2	7.2		1011	4.6	15.1		1124	4.3	14.1
SU	1614	1.3	4.3	MO	1719	1.0	3.3	ME	1731	0.7	2.3	TH	1142	4.6	15.1	TH	1707	0.8	2.6	TH	1751	1.2	3.9
DI	2245	3.6	11.8	LU	2353	3.9	12.8					JE	1824	0.9	3.0	JE	2335	4.1	13.5	VE			
8	0347	2.5	8.2	23	0507	2.5	8.2	8	0003	4.0	13.1	23	0044	4.2	13.8	8	0507	1.9	6.2	23	0006	4.2	13.8
	0953	4.6	15.1		1106	4.7	15.4		0519	2.2	7.2		0620	2.0	6.6		1108	4.8	15.7		0559	1.7	5.6
MO	1702	1.0	3.3	TU	1805	0.8	2.6	TH	1119	5.0	16.4	FR	1219	4.6	15.1	FR	1750	0.6	2.0	SA	1201	4.3	14.1
LU	2355	3.8	12.5	MA				JE	1816	0.5	1.6	VE	1854	0.9	3.0	VE				SA	1820	1.2	3.9
9	0442	2.5	8.2	24	0034	4.0	13.1	9	0042	4.3	14.1	24	0111	4.3	14.1	9	0012	4.5	14.8	24	0030	4.3	14.1
	1042	4.8	15.7		0553	2.3	7.5		0608	1.9	6.2		0653	1.8	5.9		0556	1.5	4.9		0632	1.5	4.9
TU	1748	0.7	2.3	WE	1151	4.8	15.7	FR	1210	5.2	17.1	SA	1253	4.6	15.1	SA	1159	5.0	16.4	SA	1235	4.4	14.4
MA				ME	1844	0.7	2.3	VE	1857	0.3	1.0	SA	1922	0.9	3.0	SA	1830	0.4	1.3	DI	1846	1.2	3.9
10	0020	4.0	13.1	25	0110	4.1	13.5	10	0120	4.5	14.8	25	0136	4.4	14.4	10	0047	4.8	15.7	25	0054	4.5	14.8
	0531	2.3	7.5		0633	2.2	7.2		0656	1.7	5.6		0726	1.7	5.6		0643	1.1	3.6		0703	1.3	4.3
WE	1130	5.0	16.4	TH	1231	4.8	15.7	SA	1259	5.3	17.4	SU	1326	4.6	15.1	SU	1248	5.1	16.7	MO	1308	4.4	14.4
ME	1832	0.5	1.6	JE	1919	0.7	2.3	SA	1937	0.2	0.7	DI	1947	1.0	3.3	DI	1908	0.5	1.6	LU	1912	1.3	4.3
11	0102	4.2	13.8	26	0142	4.2	13.8	11	0157	4.7	15.4	26	0159	4.4	14.4	11	0123	5.0	16.4	26	0117	4.6	15.1
	0619	2.2	7.2		0710	2.1	6.9		0745	1.4	4.6		0758	1.6	5.2		0730	0.8	2.6		0735	1.2	3.9
TH	1218	5.2	17.1	FR	1307	4.8	15.7	SU	1346	5.2	17.1	MO	1358	4.5	14.8	MO	1335	5.0	16.4	TU	1341	4.3	14.1
FR	1915	0.3	1.0	VE	1950	0.8	2.6	DI	2015	0.4	1.3	LU	2012	1.2	3.9	LU	1946	0.7	2.3	MA	1938	1.5	4.9
12	0143	4.3	14.1	27	0212	4.2	13.8	12	0235	4.9	16.1	27	0224	4.5	14.8	12	0159	5.2	17.1	27	0142	4.6	15.1
	0706	2.0	6.6		0745	2.1	6.9		0834	1.2	3.9		0832	1.5	4.9		0817	0.7	2.3		0807	1.1	3.6
FR	1306	5.2	17.1	SA	1342	4.7	15.4	MO	1434	5.0	16.4	TU	1431	4.3	14.1	MO	1422	4.8	15.7	WE	1415	4.2	13.8
VE	1958	0.3	1.0	SA	2019	0.8	2.6	LU	2053	0.6	2.0	MA	2038	1.4	4.6	MA	2023	1.0	3.3	ME	2004	1.6	5.2
13	0224	4.4	14.4	28	0240	4.3	14.1	13	0313	5.0	16.4	28	0249	4.5	14.8	13	0236	5.2	17.1	28	0207	4.6	15.1
	0755	1.9	6.2		0821	2.0	6.6		0925	1.2	3.9		0907	1.5	4.9		0904	0.6	2.0		0841	1.1	3.6
SA	1354	5.2	17.1	SU	1416	4.5	14.8	TU	1523	4.6	15.1	WE	1507	4.1	13.5	WE	1510	4.5	14.8	TH	1451	4.0	13.1
SA	2040	0.3	1.0	DI	2047	1.0	3.3	MA	2132	1.0	3.3	ME	2104	1.6	5.2	ME	2102	1.3	4.3	JE	2031	1.8	5.9
14	0306	4.5	14.8	29	0308	4.3	14.1	14	0353	5.0	16.4	29	0316	4.5	14.8	14	0314	5.1	16.7	29	0235	4.6	15.1
	0847	1.8	5.9		0857	2.0	6.6		1018	1.2	3.9		0945	1.5	4.9		0953	0.8	2.6		0918	1.1	3.6
SU	1444	5.0	16.4	MO	1450	4.3	14.1	WE	1616	4.2	13.8	TH	1545	3.9	12.8	TH	1602	4.1	13.5	FR	1531	3.8	12.5
DI	2121	0.5	1.6	LU	2114	1.2	3.9	ME	2212	1.4	4.6	JE	2131	1.9	6.2	JE	2142	1.8	5.9	VE	2101	2.1	6.9
15	0348	4.6	15.1	30	0336	4.3	14.1	15	0435	4.8	15.7	30	0355	4.8	15.7	15	0355	4.8	15.7	30	0307	4.5	14.8
	0942	1.7	5.6		0937	2.0	6.6		1115	1.3	4.3		1046	1.0	3.3		1046	1.0	3.3		1000	1.2	3.9
MO	1536	4.7	15.4	TU	1527	4.1	13.5	TH	1715	3.8	12.5	FR	1700	3.8	12.5	FR	1700	3.8	12.5	SA	1617	3.6	11.8
LU	2203	0.8	2.6	MA	2142	1.5	4.9	JE	2257	1.9	6.2	SA			SA	2136	2.3	7.5	SA	2136	2.3	7.5	
				31	0406	4.3	14.1																
					1020	2.0	6.6																
					WE	1608	3.8	12.5															
					ME	2212	1.7	5.6															
					DI	2222	2.5	8.2															

April-avril					May-mai					June-juin					
Day	Time	Mètres	Feet		Day	Time	Mètres	Feet		Day	Time	Mètres	Feet		
				jour heure mètres pieds					jour heure mètres pieds					jour heure mètres pieds	
1	0327	4.3	14.1	16 0255 4.5 14.8	1	0242	4.2	13.8	16 0230 4.5 14.8	1	0216	4.2	13.8	16 0240 4.2 13.8	
	0949	3.0	9.8	0913 2.7 8.9		0928	2.3	7.5	0925 1.5 4.9		0938	1.2	3.9	1013 0.7 2.3	
SA	1404	3.3	10.8	SU 1409 3.6 11.8	MO	1505 3.4 11.2	TU 1546 3.8 12.5	MA 2105 2.5 8.2	TH 1648 4.0 13.1	WE	1757 4.5 14.8	SA 2043 1.7 5.6	DI 2036 1.4 4.6	SA 2043 1.7 5.6	
2	0357	4.3	14.1	17 0328 4.6 15.1	2	0307 4.2 13.8	17 0300 4.5 14.8	2	0244 4.3 14.1	17 0316 4.1 13.5		0421 4.3 14.1	18 0353 4.1 13.5		
	1011	2.7	8.9	0951 2.2 7.2	0952 2.0 6.6	1002 1.1 3.6	1002 1.1 3.6	1012 0.8 2.6	1012 0.8 2.6		1072 4.3 14.1	1072 4.3 14.1		0316 4.1 13.5	
SU	1507	3.5	11.5	MO 1524 3.8 12.5	TU 1558 3.7 12.1	WE 1650 4.1 13.5	WE 1650 4.1 13.5	FR 1737 4.3 14.1	FR 1737 4.3 14.1	SA	2342 3.6 11.8	SA 2342 3.6 11.8		0514 4.5 14.8	
DI	2129	1.7	5.6	LU 2130 1.7 5.6	MA 2127 2.4 7.9	ME 2200 2.8 9.2	ME 2200 2.8 9.2	VE 2225 3.4 11.2	VE 2225 3.4 11.2	DI	2129 1.7 5.6	DI 2129 1.7 5.6		0616 4.6 15.1	
3	0421	4.3	14.1	18 0358 4.6 15.1	3 0330 4.2 13.8	18 0331 4.4 14.4	3 0330 4.2 13.8	3 0315 4.3 14.1	18 0353 4.1 13.5		1034 2.5 8.2	1034 2.5 8.2		0716 4.6 15.1	
	1034	2.5	8.2	1029 1.7 5.6	1019 1.6 5.2	1038 0.8 2.6	1019 1.6 5.2	1049 0.5 1.6	1039 0.5 1.6	MO	1558 3.7 12.1	1558 3.7 12.1		0818 4.6 15.1	
MO	1558	3.7	12.1	TU 1628 4.0 13.1	WE 1647 3.9 12.8	TH 1746 4.3 14.1	TH 1746 4.3 14.1	SA 1825 4.5 14.8	SA 1825 4.5 14.8	LU	2208 1.8 5.9	2208 1.8 5.9		0919 4.6 15.1	
LU	2208	1.8	5.9	MA 2219 2.0 6.6	ME 2210 2.6 8.5	JE 2252 3.1 10.2	JE 2252 3.1 10.2	SA 2313 3.6 11.8	SA 2313 3.6 11.8	4	0442 4.3 14.1	0442 4.3 14.1		1029 1.7 5.6	
4	0442	4.3	14.1	19 0426 4.6 15.1	4 0352 4.2 13.8	19 0401 4.3 14.1	4 0352 4.2 13.8	4 0350 4.3 14.1	19 0401 4.3 14.1		1058 2.2 7.2	1058 2.2 7.2		1129 0.2 0.7	
	1058	2.2	7.2	1106 1.1 3.4	1047 1.3 4.3	1115 0.6 2.0	1115 0.6 2.0	1129 0.2 0.7	1129 0.2 0.7	TU	1643 3.8 12.5	1643 3.8 12.5		1208 0.6 2.0	
TU	1643	3.8	12.5	WE 1727 4.2 13.8	TH 1734 4.1 13.5	FR 1837 4.5 14.8	FR 1837 4.5 14.8	SU 1913 4.6 15.1	SU 1913 4.6 15.1	MA	2244 1.9 6.2	2244 1.9 6.2		1208 0.6 2.0	
MA	2244	1.9	6.2	ME 2305 2.3 7.5	JE 2251 2.8 9.2	VE 2343 3.3 10.8	VE 2343 3.3 10.8	SA 2357 3.7 12.1	SA 2357 3.7 12.1	5	0501 4.3 14.1	0501 4.3 14.1		1208 0.6 2.0	
5	0501	4.3	14.1	20 0454 4.5 14.8	5 0451 4.3 14.1	20 0431 4.2 13.8	5 0451 4.3 14.1	5 0003 3.7 12.1	20 0419 4.3 14.1		1125 1.9 6.2	1125 1.9 6.2		1208 0.6 2.0	
	1125	1.9	6.2	1143 1.0 3.3	1119 0.9 3.0	1151 0.5 1.6	1119 0.9 3.0	MO 1219 0.1 0.3	MO 1219 0.1 0.3	WE	1728 4.0 13.1	1728 4.0 13.1		1208 0.6 2.0	
WE	1728	4.0	13.1	TH 1824 4.3 14.0	FR 1821 4.3 14.1	SA 1924 4.6 15.1	FR 1821 4.3 14.1	LU 2001 4.7 15.4	LU 2001 4.7 15.4	ME	2319 2.1 6.9	2319 2.1 6.9		1208 0.6 2.0	
ME	2319	2.1	6.9	JE 2350 2.7 8.9	VE 2332 3.1 10.2	SA 2357 3.7 12.1	VE 2332 3.1 10.2	SA 2056 3.7 12.1	SA 2056 3.7 12.1	6	0520 4.3 14.1	0520 4.3 14.1		1208 0.6 2.0	
6	0520	4.3	14.1	21 0522 4.4 14.4	6 0440 4.3 14.1	21 0033 3.4 11.2	6 0440 4.3 14.1	6 0512 4.3 14.1	21 0033 3.4 11.2		1154 1.6 5.2	1154 1.6 5.2		1208 0.6 2.0	
	1154	1.6	5.2	1220 0.8 2.6	SA 1913 4.5 14.8	SA 1913 4.5 14.8	SA 1913 4.5 14.8	MO 1429 0.1 0.3	MO 1429 0.1 0.3	TH	1814 4.1 13.5	1814 4.1 13.5		1208 0.6 2.0	
TH	1814	4.1	13.5	FR 1920 4.4 14.4	SA	2015 4.5 14.8	SA	2015 4.5 14.8	LU 2056 3.7 12.1	LU 2056 3.7 12.1	JE	2353 2.4 7.9	2353 2.4 7.9		1208 0.6 2.0
JE	2353	2.4	7.9	VE	0038 3.0 9.8	7 0015 3.3 10.8	7 0015 3.3 10.8	ME 2049 4.7 15.4	ME 2049 4.7 15.4	7	0540 4.3 14.1	0540 4.3 14.1		1208 0.6 2.0	
7	0540	4.3	14.1	22 0038 3.0 9.8	7 0508 4.3 14.1	22 0127 3.5 11.5	7 0508 4.3 14.1	7 0602 4.1 13.5	22 0127 3.5 11.5		1225 1.3 4.3	1225 1.3 4.3		1208 0.6 2.0	
	1225	1.3	4.3	0550 4.3 14.1	SU 1231 0.4 1.3	MO 1306 0.6 2.0	SU 1231 0.4 1.3	WE 1345 0.3 1.0	WE 1345 0.3 1.0	FR	1902 4.2 13.8	1902 4.2 13.8		1208 0.6 2.0	
FR	1902	4.2	13.8	SA 2015 4.5 14.8	DI 2002 4.6 15.1	LU 2056 4.6 15.1	DI 2002 4.6 15.1	ME 2137 4.7 15.4	ME 2137 4.7 15.4	VE				1208 0.6 2.0	
VE				SA 2015 4.5 14.8	SA	2015 4.5 14.8	SA	2015 4.5 14.8	8	0602 4.1 13.5	8	0602 4.1 13.5		1208 0.6 2.0	
8	0602	4.1	13.5	23 0129 3.2 10.5	8 0103 3.5 11.5	23 0226 3.6 11.5	8 0103 3.5 11.5	8 0700 3.9 12.8	23 0226 3.6 11.5		1253 1.1 3.3	1253 1.1 3.3		1208 0.6 2.0	
	1253	1.1	3.3	0617 4.1 13.5	MO 1312 0.4 1.3	TU 1343 0.8 2.6	MO 1312 0.4 1.3	TH 1435 0.6 2.0	TH 1435 0.6 2.0	SA	1259 1.0 3.3	1259 1.0 3.3		1208 0.6 2.0	
SA	1259	1.0	3.3	SU 1336 0.7 2.3	TU 1307 4.6 15.1	MA 2142 4.5 14.8	SU 1336 0.7 2.3	WE 1455 1.2 3.9	WE 1455 1.2 3.9	SA	1954 4.3 14.1	1954 4.3 14.1		1208 0.6 2.0	
SA	1954	4.3	14.1	DI 2111 4.5 14.8	MA 2154 4.6 15.1	ME 2227 4.5 14.8	DI 2111 4.5 14.8	SA 2042 3.6 11.8	SA 2042 3.6 11.8	9	0110 3.0 9.8	0110 3.0 9.8		1208 0.6 2.0	
9	0110	3.0	9.8	24 0228 3.4 11.2	9 0159 3.6 11.8	24 0337 3.5 11.5	9 0159 3.6 11.8	9 0426 3.3 10.8	24 0337 3.5 11.5		0626 4.3 14.1	0626 4.3 14.1		1208 0.6 2.0	
	0626	4.3	14.1	0643 3.9 12.8	MO 1415 0.9 3.0	WE 1421 1.0 3.3	MO 1415 0.9 3.0	FR 1526 0.9 3.0	FR 1526 0.9 3.0	SU	1337 0.8 2.6	1337 0.8 2.6		1208 0.6 2.0	
SU	1337	0.8	2.6	LU 2208 4.4 14.4	MA 2154 4.6 15.1	ME 2227 4.5 14.8	LU 2208 4.4 14.4	VE 2306 4.7 15.4	VE 2306 4.7 15.4	DI	2053 4.3 14.1	2053 4.3 14.1		1208 0.6 2.0	
DI	2053	4.3	14.1	25 0343 3.5 11.5	10 0310 3.6 11.8	25 0501 3.4 11.2	10 0310 3.6 11.8	10 0540 2.9 9.5	25 0501 3.4 11.2		0156 3.2 10.8	0156 3.2 10.8		1208 0.6 2.0	
10	0156	3.2	10.8	25 0343 3.5 11.5	10 0654 3.9 12.8	25 0705 3.4 11.2	10 0654 3.9 12.8	10 0540 2.9 9.5	25 0705 3.4 11.2		0652 4.0 13.1	0652 4.0 13.1		1208 0.6 2.0	
	0652	4.0	13.1	0706 3.7 12.1	WE 1448 0.6 2.0	TH 1501 1.3 4.3	WE 1448 0.6 2.0	SA 1621 1.4 4.6	SA 1621 1.4 4.6	MO	1419 0.8 2.6	1419 0.8 2.6		1208 0.6 2.0	
MO	1419	0.8	2.6	MA 2306 4.4 14.4	ME 2252 4.6 15.1	JE 2309 4.4 14.4	MA 2306 4.4 14.4	SA 2346 4.7 15.4	SA 2346 4.7 15.4	LU	2158 4.3 14.1	2158 4.3 14.1		1208 0.6 2.0	
LU	2158	4.3	14.1	26 0526 3.5 11.5	11 0440 3.5 11.5	26 0620 3.2 10.5	11 0440 3.5 11.5	11 0640 2.4 7.9	26 0620 3.2 10.5		0125 3.5 11.5	0125 3.5 11.5		1208 0.6 2.0	
11	0125	3.5	11.5	26 0526 3.5 11.5	11 0749 3.7 12.1	26 0802 3.2 10.5	11 0749 3.7 12.1	11 1132 3.2 10.5	26 0802 3.2 10.5		0720 4.1 13.5	0720 4.1 13.5		1208 0.6 2.0	
	0720	4.1	13.5	0726 3.5 11.5	TH 1544 0.8 2.6	FR 1544 1.5 4.9	TH 1544 0.8 2.6	SA 1721 1.9 6.2	FR 1544 1.5 4.9	SA	2309 4.4 14.4	2309 4.4 14.4		1208 0.6 2.0	
SA	2309	4.4	14.4	ME 1543 1.3 4.3	WE 2348 4.6 15.1	VE 2348 4.4 14.4	ME 1543 1.3 4.3	DI	2306 4.4 14.4	ME				1208 0.6 2.0	
MA	2309	4.4	14.4	27 0003 4.3 14.1	12 0613 3.3 10.8	27 0709 2.9 9.5	12 0613 3.3 10.8	12 0023 4.6 15.1	27 0709 2.9 9.5		0417 3.6 11.8	0417 3.6 11.8		1208 0.6 2.0	
12	0417	3.6	11.8	27 0003 4.3 14.1	12 0916 3.4 11.2	27 0946 3.0 9.8	12 0916 3.4 11.2	12 0730 1.9 6.2	27 0946 3.0 9.8		0755 3.9 12.8	0755 3.9 12.8		1208 0.6 2.0	
	0755	3.9	12.8	TH 1636 1.5 4.9	FR 1646 1.1 3.6	SA	TH 1636 1.5 4.9	MO 1322 3.3 10.8	MO 1322 3.3 10.8	WE	1603 0.9 3.0	1603 0.9 3.0		1208 0.6 2.0	
WE	1603	0.9	3.0	ME	13 0038 4.6 15.1	13 0038 4.6 15.1	ME	LU 1828 2.4 7.9	LU 1828 2.4 7.9	ME				1208 0.6 2.0	
13	0021	4.4	14.4	28 0055 4.3 14.1	13 0719 2.9 9.5	28 0022 4.3 14.1	13 0719 2.9 9.5	13 0057 4.5 14.8	28 0022 4.3 14.1		0808 3.6 11.8	0808 3.6 11.8		1208 0.6 2.0	
	0808	3.6	11.8	0829 3.1 10.2	SA 1108 3.3 10.8	SU 1155 3.0 9.8	SA 1108 3.3 10.8	0814 1.5 4.9	0814 1.5 4.9	TH	0852 3.7 12.1	0852 3.7 12.1		1208 0.6 2.0	
TH	0852	3.7	12.1	FR 0943 3.1 10.2	SA 1753 1.5 4.9	DI 1728 2.2 7.2	FR 0943 3.1 10.2	MA 1939 2.9 9.5	MA 1939 2.9 9.5	JE	1709 1.0 3.3	1709 1.0 3.3		1208 0.6 2.0	
JE	1709	1.0	3.3	VE 1736 1.8 5.9	14 0120 4.6 15.1	29 0053 4.3 14.1	VE 1736 1.8 5.9	14 0131 4.4 14.4	29 0053 4.3 14.1		0125 4.5 14.8	0125 4.5 14.8		1208 0.6 2.0	
14	0125	4.5	14.8	29 0138 4.3 14.1	14 0120 4.6 15.1										

July-juillet

August-août

September-septembre

Day		Time		Metres Feet		jour		heure		mètres pieds		Day		Time		Metres Feet		jour		heure		mètres pieds	
1	0146	4.4	14.1	16	0250	4.0	13.1	1	0314	4.4	14.4	16	0422	3.9	12.8	1	0009	2.5	8.2	16	0013	2.3	7.5
	0942	0.6	2.0		1036	0.7	2.3		1058	0.2	0.7		0532	4.3	14.1		0532	4.3	14.1		0557	4.0	13.1
SA	1734	4.4	14.4	SU	1830	4.5	14.8	TU	1836	4.6	15.1	WE	1847	4.4	14.4	FR	1206	1.0	3.3	SA	1203	1.9	6.2
SA	2205	3.7	12.1	DI	2336	3.6	11.8	MA	2337	3.5	11.5	ME				SA	1846	4.7	15.4	SA	1820	4.3	14.1
2	0230	4.4	14.4	17	0335	4.0	13.1	2	0418	4.4	14.4	17	0020	3.1	10.2	2	0056	2.1	6.9	17	0042	2.0	6.6
	1027	0.3	1.0		1115	0.7	2.3		1144	0.2	0.7		0505	3.9	12.8		0634	4.1	13.5		0642	4.0	13.1
SU	1820	4.6	15.1	MO	1903	4.5	14.8	WE	1909	4.7	15.4	TH	1200	1.1	3.6	SA	1247	1.4	4.6	SA	1234	2.2	7.2
LU	2258	3.8	12.5	LU				ME			JE	1907	4.4	14.4	SA	1914	4.7	15.4	DI	1838	4.3	14.1	
3	0319	4.4	14.4	18	0014	3.6	11.8	3	0029	3.2	10.5	18	0053	2.9	9.5	3	0144	1.7	5.6	18	0114	1.8	5.9
	1113	0.1	0.3		0157	4.0	13.1		0520	4.3	14.1		0548	3.8	12.5		0740	4.0	13.1		0731	4.0	13.1
MO	1903	4.7	15.4	TU	1941	0.7	2.3	TH	1228	0.4	1.3	FR	1229	1.3	4.3	SU	1330	2.0	6.6	MO	1307	2.5	8.2
LU	2350	3.7	12.1	MA	1933	4.5	14.8	JE	1941	4.8	15.7	VE	1925	4.4	14.4	DI	1944	4.7	15.4	LU	1858	4.2	13.8
4	0413	4.4	14.4	19	0052	3.5	11.5	4	0123	2.9	9.5	19	0126	2.7	8.9	4	0232	1.4	4.6	19	0149	1.5	4.9
	1159	0.0	0.0		0458	3.9	12.8		0622	4.1	13.5		0634	3.8	12.5		0854	3.9	12.8		0827	4.0	13.1
TU	1945	4.7	15.4	WE	1224	0.8	2.6	FR	1311	0.7	2.3	SA	1258	1.6	5.2	MO	1417	2.5	8.2	TH	1345	2.9	9.5
MA				ME	1959	4.5	14.8	VE	2012	4.8	15.7	SA	1943	4.4	14.4	SA	2044	4.5	14.8	MA	1920	4.2	13.8
5	0545	3.6	11.8	20	0132	3.4	11.2	5	0219	2.5	8.2	20	0201	2.5	8.2	5	0232	1.3	4.3	20	0227	1.4	4.6
	0510	4.3	14.1		0540	3.8	12.5		0728	3.9	12.8		0724	3.7	12.1		1020	3.9	12.8		0934	4.0	13.1
WE	1245	0.1	0.3	TH	1255	1.0	3.3	SA	1353	1.2	3.9	SU	1328	1.9	6.2	SU	1514	3.0	9.8	WE	1429	3.2	10.5
ME	2025	4.8	15.7	JE	2024	4.5	14.8	SA	2044	4.8	15.7	DI	2002	4.3	14.1	MA	2046	4.3	14.1	ME	1943	4.1	13.5
6	0144	3.4	11.2	21	0214	3.2	10.5	6	0315	2.1	6.9	21	0238	2.2	7.2	6	0413	1.2	3.9	21	0311	1.3	4.3
	0610	4.2	13.8		0626	3.7	12.1		0843	3.7	12.1		0821	3.6	11.8		1150	4.0	13.1		1053	4.0	13.1
TH	1331	0.4	1.3	FR	1325	1.2	3.9	SU	1438	1.8	5.9	MO	1401	2.3	7.5	WE	1632	3.4	11.2	TH	1528	3.5	11.5
JE	2103	4.8	15.7	VE	2047	4.5	14.8	DI	2115	4.7	15.4	LU	2023	4.3	14.1	MA	2121	4.0	13.1	ME	2010	4.0	13.1
7	0248	3.2	10.5	22	0257	3.0	9.8	7	0411	1.8	5.9	22	0318	1.9	6.2	7	0510	1.3	4.3	22	0404	1.2	3.9
	0716	3.9	12.8		0717	3.5	11.5		1014	3.6	11.8		0930	3.6	11.8		1318	4.1	13.5		1219	4.1	13.5
FR	1417	0.7	2.3	SA	1356	1.5	4.9	MO	1527	2.5	8.2	TU	1439	2.7	8.9	TH	1821	3.6	11.8	FR	1657	3.7	12.1
VE	2139	4.8	15.7	SA	2108	4.4	14.4	LU	2148	4.5	14.8	MA	2047	4.2	13.8	JE	2203	3.8	12.5	VE	2047	3.9	12.8
8	0354	2.8	9.2	23	0340	2.7	8.9	8	0506	1.5	4.9	23	0402	1.7	5.6	8	0613	1.3	4.3	23	0507	1.2	3.9
	0831	3.6	11.8		0818	3.4	11.2		1159	3.6	11.8		1059	3.6	11.8		1432	4.2	13.8		1336	4.2	13.8
SA	1503	1.3	4.3	SU	1428	1.9	6.2	TU	1630	3.0	9.8	WE	1526	3.1	10.2	FR	2012	3.5	11.5	SA	1853	3.7	12.1
SA	2214	4.8	15.7	DI	2130	4.4	14.4	MA	2223	4.3	14.1	ME	2114	4.2	13.8	VE	2307	3.6	11.8	SA	2155	3.8	12.5
9	0458	2.4	7.9	24	0424	2.4	7.9	9	0600	1.3	4.3	24	0452	1.5	4.9	9	0718	1.4	4.6	24	0618	1.2	3.9
	1001	3.4	11.2		0932	3.2	10.5		1341	3.9	12.8		1242	3.7	12.1		1527	4.3	14.1		1435	4.3	14.1
SU	1553	1.9	6.2	MO	1504	2.3	7.5	WE	1757	3.4	11.2	TH	1631	3.5	11.5	SA	2118	3.4	11.2	SU	2012	3.5	11.5
DI	2249	4.7	15.4	LU	2154	4.4	14.4	ME	2301	4.1	13.5	JE	2146	4.1	13.5	SA				DI	2335	3.7	12.1
10	0555	1.9	6.2	25	0509	2.1	6.9	10	0657	1.2	3.9	25	0550	1.3	4.3	10	0837	3.6	11.8	25	0730	1.1	3.6
	1149	3.3	10.8		1108	3.3	10.8		1505	4.1	13.5		1412	4.0	13.1		0819	1.4	4.6		1519	4.4	14.4
MO	1650	2.5	8.2	TU	1547	2.7	8.9	TH	1942	3.6	11.8	FR	1806	3.7	12.1	SU	1609	4.3	14.1	MO	2059	3.3	10.8
LU	2323	4.6	15.1	MA	2221	4.3	14.1	JE	2347	4.0	13.1	VE	2231	4.0	13.1	DI	2155	3.3	10.8	LU			
11	0647	1.5	4.9	26	0555	1.8	5.9	11	0753	1.1	3.6	26	0653	1.1	3.6	11	0917	3.6	11.8	26	0114	3.8	12.5
	1339	3.6	11.8		1259	3.4	11.2		1606	4.3	14.1		1517	4.2	13.8		0911	1.3	4.3		0833	1.0	3.3
TU	1802	3.0	9.8	WE	1644	3.1	10.2	FR	2110	3.6	11.8	SA	1949	3.8	12.5	MO	1641	4.3	14.1	TU	1554	4.5	14.8
MA	2358	4.4	14.4	ME	2251	4.2	13.8	VE				SA	2337	4.0	13.1	SA	2224	3.1	10.2	MA	2141	2.9	9.5
12	0736	1.2	3.9	27	0643	1.5	4.9	12	0046	3.9	12.8	27	0757	0.9	3.0	12	0258	3.7	12.1	27	0236	4.0	13.1
	1511	3.9	12.8		1434	3.7	12.1		0848	1.1	3.6		1605	4.4	14.4		0953	1.3	4.3		0928	1.0	3.3
WE	1928	3.4	11.2	TH	1803	3.5	11.5	SA	1652	4.4	14.4	SU	2059	3.7	12.1	SA	1706	4.3	14.1	WE	1624	4.6	15.1
ME				JE	2327	4.2	13.8	VE	2307	3.6	11.8	DI				MA	2251	3.0	9.8	ME	2221	2.5	8.2
13	0836	4.2	13.8	28	0733	1.1	3.6	13	0150	3.8	12.5	28	0056	4.1	13.5	13	0347	3.8	12.5	28	0345	4.1	13.5
	0824	1.0	3.3		1542	4.0	13.1		0937	4.0	13.1		0857	0.7	2.3		0347	3.8	12.5		1016	1.2	3.9
TH	1619	4.2	13.8	FR	1936	3.7	12.1	SU	1730	4.4	14.4	MO	1645	4.5	14.8	WE	1727	4.3	14.1	TH	1652	4.6	15.1
JE	2052	3.6	11.8	VE				DI	2246	3.5	11.5	LU	2151	3.5	11.5	ME	2317	2.8	9.2	ME	2302	2.1	6.9
14	0118	4.1	13.5	29	0011	4.2	13.8	14	0248	3.9	12.8	29	0215	4.2	13.8	14	0431	3.9	12.8	29	0447	4.2	13.8
	0910	0.9	3.0		0826	0.8	2.6		1019	0.9	3.0		0951	0.5	1.6		1103	1.5	4.9		1059	1	

October-octobre

November-novembre

December-décembre

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds
	1	0025	1.2	16	0004	1.3	4.3		1	0113	0.6	16	0047	0.5	1.6		1	0125	0.7	17	0116	0.3	1.0
MO		0648	4.3		0652	4.3	14.1	WE		0852	4.7		0836	4.7	15.4	FR		0921	4.8		0906	4.9	16.1
SU		1227	3.2		1216	2.9	9.5	WE		1412	3.5		1342	3.7	12.1	FR		1522	3.6		1540	3.6	11.8
DI		1816	4.6		1819	4.2	13.8	ME		1823	4.0		1740	4.1	13.5	JE		1820	3.7		1829	4.0	13.1
	2	0107	1.0	17	0036	1.1	3.6		2	0155	0.8	17	0129	0.5	1.6		2	0204	1.0	17	0202	0.6	2.0
MO		0751	4.3		0741	4.4	14.4	TH		0948	4.6		0927	4.7	15.4	SA		1004	4.7		0947	4.9	16.1
SU		1315	2.8		1315	3.2	10.5	TH		1531	3.6		1449	3.7	12.1	SA		1644	3.4		1552	3.3	10.8
DI		1845	4.4		1848	4.2	13.8	JE		1852	3.8		1819	4.0	13.1	SA		1859	3.5		1938	3.7	12.1
	3	0150	0.9	18	0111	0.9	3.0		3	0239	1.0	18	0217	0.7	2.3		3	0242	1.3	18	0250	1.0	3.3
MO		0859	4.3		0835	4.4	14.4	TH		1046	4.6		1021	4.7	15.4	SA		1044	4.6		1027	4.9	16.1
SU		1409	3.2		1409	3.4	11.2	FR		1712	3.5		1614	3.6	11.8	SU		1800	3.2		1704	3.0	9.8
DI		1845	4.4		1848	4.1	13.5	VE		1921	3.6		1912	3.8	12.5	DI		2002	3.2		2104	3.4	11.2
	4	0234	0.9	19	0151	0.9	3.0		4	0326	1.3	19	0309	0.9	3.0		4	0322	1.7	19	0340	1.4	4.6
MO		0910	4.3		0935	4.4	14.4	SA		1141	4.5		1113	4.7	15.4	SA		1121	4.6		1105	4.9	16.1
SU		1409	3.2		1409	3.6	11.8	SA		1746	3.4		1746	3.4	11.2	MO		1850	2.9		1805	2.5	8.2
DI		1845	4.4		1848	4.0	13.1	SA		2036	3.5		2036	3.5	11.5	DI		2151	3.0		2151	3.0	9.8
	5	0323	1.1	20	0237	0.9	3.0		5	0419	1.6	20	0407	1.2	3.9		5	0406	2.0	20	0452	2.0	6.6
MO		1123	4.3		1042	4.4	14.4	SA		1231	4.4		1200	4.7	15.4	MA		1153	4.5		1141	4.8	15.7
SU		1655	3.5		1654	3.7	12.1	SA		1958	3.0		1851	3.0	9.8	MA		1925	2.5		1857	2.0	6.6
DI		2017	3.7		2017	3.9	12.8	LU		2214	3.1		2230	3.3	10.8	ME							
	6	0417	1.3	21	0331	1.0	3.3		6	0519	1.9	21	0511	1.6	5.2		6	0007	3.0	21	0051	3.3	10.8
MO		1234	4.3		1149	4.4	14.4	SA		1313	4.4		1242	4.7	15.4	SA		0458	2.4		0540	2.6	8.5
SU		1858	3.5		1749	3.6	11.8	SA		2024	2.8		1938	2.5	8.2	TH		1223	4.4		1216	4.7	15.4
DI		2059	3.5		2013	3.7	12.1	LU								ME		1954	2.2		1943	1.5	4.9
	7	0520	1.5	22	0435	1.2	3.9		7	0632	3.1	22	0619	2.8	10.8		7	0154	3.2	22	0235	3.7	12.1
MO		1337	4.3		1251	4.5	14.8	SA		0625	2.1		0619	2.0	6.6	SA		0606	2.8		0657	3.1	10.2
SU		2026	3.3		2019	3.4	11.2	WE		1347	4.3		1318	4.7	15.4	TH		1250	4.4		1251	4.6	15.1
DI		2238	3.3		2201	3.5	11.5	MA		2047	2.5		2018	2.0	6.6	VE		2023	1.8		2026	1.0	3.3
	8	0628	1.6	23	0546	1.3	4.3		8	0204	3.3	23	0208	3.5	11.5		8	0309	3.5	23	0354	4.1	13.5
MO		1427	4.3		1341	4.5	14.8	TH		0729	2.4		0728	2.4	7.9	SA		1223	3.1		1216	3.5	11.5
SU		2102	3.1		2007	3.1	10.2	TH		1416	4.3		1352	4.7	15.4	SA		1317	4.3		1328	4.5	14.8
DI					2007	3.1	10.2	ME		2111	2.2		2056	1.5	4.9	VE		2052	1.5		2108	0.7	2.3
	9	0041	3.3	24	0001	3.4	11.2		9	0308	3.5	24	0327	3.9	12.8		9	0405	3.9	24	0453	4.4	14.4
MO		0734	1.7		0658	1.4	4.6	SA		0826	2.6		0833	2.8	9.2	SA		1345	3.4		1407	4.4	14.4
SU		1504	4.3		1421	4.6	15.1	FR		1440	4.3		1424	4.6	15.1	SA		2123	1.1		2150	0.5	1.6
DI		2128	2.9		2045	2.7	8.9	JE		2136	1.8		2134	1.0	3.3	DI		2453	4.3		2454	4.4	14.4
	10	0204	3.4	25	0141	3.6	11.8		10	0401	3.8	25	0432	4.2	13.8		10	0452	4.2	25	0541	4.7	15.4
MO		0830	1.8		0803	1.6	5.2	SA		0915	2.7		0933	3.1	10.2	SA		0927	3.5		1033	3.7	12.1
SU		1533	4.3		1454	4.6	15.1	FR		1503	4.2		1456	4.6	15.1	SA		1414	4.3		1448	4.3	14.1
DI		2152	2.6		2122	2.2	7.2	VE		2202	1.5		2212	0.7	2.3	DI		2155	0.8		2231	0.4	1.3
	11	0305	3.6	26	0259	3.8	12.5		11	0447	4.1	26	0529	4.5	14.8		11	0536	4.5	26	0623	4.8	15.7
MO		0916	1.9		0859	1.9	6.2	SA		0959	2.9		0959	3.3	10.8	SA		1018	3.7		1126	3.7	12.1
SU		1557	4.2		1524	4.6	15.1	SA		1525	4.2		1529	4.5	14.8	MO		1446	4.3		1531	4.2	13.8
DI		2216	2.4		2159	1.7	5.6	DI		2230	1.2		2250	0.5	1.6	MO		2231	0.5		2311	0.4	1.3
	12	0355	3.7	27	0406	4.1	13.5		12	0532	4.3	27	0619	4.7	15.4		12	0618	4.7	27	0702	4.8	15.7
MO		0956	2.0		0951	2.2	7.2	SA		1041	3.1		1123	3.5	11.5	SA		1106	3.8		1214	3.7	12.1
SU		1617	4.2		1553	4.6	15.1	MO		1547	4.3		1603	4.4	14.4	SA		1521	4.4		1613	4.2	13.8
DI		2241	2.1		2238	1.2	3.9	LU		2259	0.9		2329	0.4	1.3	DI		2509	0.3		2500	0.5	1.6
	13	0440	3.9	28	0507	4.3	14.1		13	0615	4.5	28	0706	4.8	15.7		13	0659	4.8	28	0738	4.8	15.7
MO		1032	2.2		1039	2.5	8.2	SA		1121	3.3		1216	3.6	11.8	SA		1152	3.8		1301	3.7	12.1
SU		1636	4.2		1622	4.6	15.1	MO		1612	4.3		1617	4.3	14.1	TH		1637	4.3		1637	4.1	13.5
DI		2307	1.8		2316	0.8	2.6	MA		2332	0.7					JE		2349	0.2				
	14	0523	4.1	29	0604	4.5	14.8		14	0700	4.6	29	0008	0.4	1.3		14	0741	4.9	29	0027	0.6	2.0
MO		1106	2.4		1127	2.8	9.2	SA		1203	3.5		0752	4.8	15.7	SA		1241	3.8		0813	4.8	15.7
SU		1655	4.2		1655	4.5	14.8	FR		1638	4.3		1311	3.6	11.8	TH		1644	4.3		1351	3.6	11.8
DI		2334	1.5		2354	0.6	2.0	MA					1712	4.1	13.5	JE					1733	3.9	12.8
	15	0606	4.2	30	0700	4.6	15.1		15	0008	0.5	30	0047	0.5	1.6		15	0032	0.2	30	0102	0.8	2.6
MO		1140	2.6		1127	3.1	10.2	SA		0747	4.7		0837	4.8	15.7	SA		0824	4.9		0845	4.8	15.7
SU		1714	4.2		1722	4.4	14.4	FR		1249	3.6		1411	3.6	11.8	FR		1336	3.8		1444	3.4	11.2
DI					1722	4.4	14.4	ME		1707	4.2		1746	3.9	12.8	VE		1733	4.2		1816	3.7	12.1
	31	0033	0.5	31	0033	0.5	1.6		31	0747	4.7	31	0747	4.7	15.4		31	0135	1.0	31	0135	1.0	3.3
MO		0756	4.7		0756	4.7	15.4	SA		1310	3.4		1310	3.4	11.2	SA		0915	4.7		0915	4.7	15.4
SU		1310	3.4		1310	3.4	11.2	MA		1752	4.2		1752	4.2	13.8	SU		1539	3.2		1539	3.2	10.5
DI					1752	4.2	13.8								DI		1906	3.5		190			

January-janvier

February-février

March-mars

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	
1	0206	1.4	4.6	16	0228	1.3	4.3	1	0238	2.5	8.2	16	0351	3.1	10.2	1	0220	2.9	9.5	16	0400	3.5	11.5	
	0943	4.7	15.4		0933	5.0	16.4		0920	4.4	14.4		0939	4.5	14.8		0812	4.3	14.1		0842	4.1	13.5	
MO	1633	3.0	9.8	TU	1616	2.3	7.5	TH	1639	2.0	6.6	FR	1717	1.2	3.9	FR	1529	1.6	5.2	SA	1628	1.0	3.3	
LU	2009	3.3	10.8	MA	2123	3.5	11.5	VE	2258	3.3	10.8	VE	2259	3.7	12.1	SA	2239	3.7	12.1		SA			
2	0238	1.8	5.9	17	0313	1.9	6.2	2	0316	2.9	9.5	17	0103	4.0	13.1	2	0304	3.2	10.5	17	0036	4.2	13.8	
	1008	4.6	15.1		1006	4.9	16.1		0943	4.4	14.4		0515	3.5	11.5		0835	4.2	13.8		0547	3.6	11.8	
TU	1722	2.7	8.9	WE	1714	1.9	6.2	SA	1725	1.8	5.9	SA	1016	4.2	13.8	SA	1615	1.4	4.6	SA	0920	3.8	12.5	
MA	2133	3.1	10.2	ME	2309	3.4	11.2	VE				SA	1816	1.1	3.6	SA				DI	1730	1.2	3.9	
3	0312	2.2	7.2	18	0405	2.6	8.5	3	0055	3.5	11.5	18	0234	4.2	13.8	3	0014	3.9	12.8	18	0153	4.3	14.1	
	1033	4.5	14.8		1040	4.8	15.7		0407	3.3	10.8		0711	3.7	12.1		0406	3.6	11.8		0755	3.5	11.5	
WE	1805	2.3	7.5	TH	1809	1.5	4.9	SA	1011	4.3	14.1	SU	1103	4.0	13.1	SU	0901	4.0	13.1	SU	1020	3.6	11.8	
ME	2330	3.1	10.2	JE				SA	1814	1.5	4.9	DI	1918	1.1	3.6	DI	1710	1.3	4.3	DI	1838	1.3	4.3	
4	0351	2.7	8.9	19	0108	3.6	11.8	4	0232	3.8	12.5	19	0340	4.4	14.4	4	0144	4.0	13.1	19	0254	4.4	14.4	
	1059	4.5	14.8		0513	3.2	10.5		0531	3.7	12.1		0858	3.7	12.1		0546	3.8	12.5		0911	3.3	10.8	
TH	1845	2.0	6.6	FR	1915	4.6	15.1	SA	1044	4.2	13.8	MO	1210	3.8	12.5	MO	0938	3.9	12.5	TH	1205	3.5	11.5	
				VE	1901	1.2	3.9	DI	1907	1.3	4.3	LU	2020	1.1	3.6	LU	1813	1.2	3.9	MA	1947	1.4	4.6	
5	0132	3.3	10.8	20	0250	4.0	13.1	5	0337	4.1	13.5	20	0429	4.5	14.8	5	0231	4.2	13.8	20	0340	4.4	14.4	
	0446	3.1	10.2		0646	3.6	11.8		0727	3.9	12.8		0959	3.5	11.5		0752	3.8	12.5		0949	3.1	10.2	
FR	1126	4.4	14.4	SA	1154	4.4	14.4	MO	1130	4.1	13.5	TU	1330	3.8	12.5	TU	1045	3.9	12.8	TU	1344	3.5	11.5	
VE	1924	1.7	5.6	SA	1953	1.0	3.3	LU	2002	1.0	3.3	MA	2114	1.0	3.3	MA	1922	1.1	3.6	MA	2045	1.4	4.6	
6	0301	3.6	11.8	21	0402	4.3	14.1	6	0424	4.4	14.4	21	0506	4.5	14.8	6	0340	4.4	14.4	21	0413	4.4	14.4	
	0609	3.5	11.5		0826	3.8	12.5		0856	3.9	12.8		1038	3.4	11.2		0859	3.7	12.1		1016	2.9	9.5	
SA	1157	4.3	14.1	SU	1240	4.2	13.8	ME	2056	0.7	2.3	WE	1440	3.8	12.5	WE	1219	3.9	12.8	TH	1453	3.6	11.8	
SA	2002	1.3	4.3	DI	2044	0.8	2.6	MA	2056	0.7	2.3	ME	2201	1.0	3.3	ME	2027	0.9	3.0	ME	2133	1.5	4.9	
7	0401	4.0	13.1	22	0453	4.5	14.8	7	0503	4.5	14.8	22	0536	4.5	14.8	7	0418	4.5	14.8	22	0439	4.3	14.1	
	0745	3.7	12.1		0946	3.8	12.5		0953	3.8	12.5		1109	3.3	10.8		1103	3.5	11.5		1042	2.7	8.9	
SU	1232	4.3	14.1	MO	1334	4.1	13.5	WE	1343	4.2	13.8	TH	1536	3.9	12.8	TH	1351	4.0	13.1	FR	1547	3.7	12.1	
DI	2042	1.0	3.3	LU	2132	0.7	2.3	ME	2147	0.5	1.6	JE	2240	1.0	3.3	JE	2124	0.7	2.3	JE	2213	1.6	5.2	
8	0447	4.3	14.1	23	0535	4.6	15.1	8	0539	4.7	15.4	23	0601	4.5	14.8	8	0450	4.6	15.1	23	0459	4.3	14.1	
	0903	3.9	12.8		1042	3.7	12.1		1038	3.7	12.1		1139	3.1	10.2		1022	3.2	10.5		1107	2.5	8.2	
MO	1313	4.3	14.1	TU	1431	4.1	13.5	TH	1454	4.3	14.1	FR	1623	3.9	12.8	FR	1508	4.1	13.5	SA	1634	3.8	12.5	
LU	2124	0.7	2.3	MA	2147	0.7	2.3	JE	2235	0.3	1.0	VE	2315	1.1	3.6	VE	2213	0.7	2.3	SA	2248	1.7	5.6	
9	0528	4.6	15.1	24	0611	4.7	15.4	9	0610	4.7	15.4	24	0621	4.5	14.8	9	0518	4.6	15.1	24	0518	4.3	14.1	
	1002	3.9	12.8		1124	3.6	11.8		1121	3.5	11.5		1209	2.9	9.5		1103	2.8	9.2		1133	2.2	7.2	
TU	1401	4.3	14.1	WE	1525	4.1	13.5	FR	1559	4.4	14.4	SA	1707	3.9	12.8	SA	1614	4.2	13.8	SU	1718	3.9	12.8	
MA	2208	0.4	1.3	ME	2258	0.7	2.3	VE	2320	0.3	1.0	SA	2346	1.3	4.3	SA	2258	0.8	2.6	DI	2320	1.9	6.2	
10	0607	4.7	15.4	25	0642	4.7	15.4	10	0640	4.8	15.7	25	0640	4.5	14.8	10	0545	4.7	15.4	10	0536	4.3	14.1	
	1052	3.9	12.8		1202	3.5	11.5		1207	3.2	10.5		1239	2.7	8.9		1145	2.3	7.5		1159	2.0	6.6	
WE	1454	4.4	14.4	TH	1612	4.0	13.1	SA	1701	4.3	14.1	SA	1750	3.9	12.8	SA	1716	4.2	13.8	MO	1801	4.0	13.1	
ME	2252	0.2	0.7	JE	2335	0.7	2.3	SA				DI			DI	2340	1.1	3.6	DI	2351	2.2	7.2		
11	0645	4.8	15.7	26	0710	4.7	15.4	11	0003	0.5	1.6	26	0015	1.5	4.9	11	0612	4.8	15.7	26	0553	4.3	14.1	
	1138	3.8	12.5		1239	3.4	11.2		0708	4.9	16.1		0657	4.4	14.4		1229	1.8	5.9		1227	1.7	5.6	
TH	1550	4.4	14.4	FR	1656	4.0	13.1	SU	1255	2.8	9.2	MO	1309	2.4	7.9	MO	1817	4.2	13.8	TU	1845	4.0	13.1	
JE	2336	0.1	0.3	VE				DI	1802	4.2	13.8	LU	1835	3.8	12.5	LU				MA				
12	0720	4.9	16.1	27	0008	0.8	2.6	12	0044	0.8	2.6	27	0044	1.8	5.9	12	0622	1.6	5.2	27	0023	2.5	8.2	
	1226	3.7	12.1		0734	4.7	15.4		0736	4.9	16.1		0714	4.4	14.4		0639	4.8	15.7		0611	4.2	13.8	
FR	1647	4.4	14.4	SA	1317	3.3	10.8	MO	1346	2.4	7.9	TU	1341	2.2	7.2	SA	1313	1.4	4.6	SA	1256	1.5	4.9	
VE				SA	1739	3.9	12.8	LU	1906	4.0	13.1	MA	1923	3.8	12.5	MA	1921	4.2	13.8	ME	1932	4.1	13.5	
13	0820	0.2	0.7	28	0039	1.0	3.3	13	0124	1.3	4.3	28	0113	2.1	6.9	13	0105	2.1	6.9	28	0056	2.7	8.9	
	0755	4.9	16.1		0757	4.6	15.1		0805	4.9	16.1		0732	4.4	14.4		0708	4.8	15.7		0630	4.2	13.8	
SA	1318	3.5	11.5	SU	1355	3.1	10.2	TU	1437	2.0	6.6	WE	1414	1.9	6.2	WE	1358	1.1	3.6	TH	1327	1.3	4.3	
SA	1746	4.3	14.1	DI	1825	3.8	12.5	MA	2016	3.9	12.8	ME	2017	3.7	12.1	ME	2031	4.1	13.5	SA	2023	4.1	13.5	
14	0103	0.4	1.3	29	0108	1.3	4.3	14	0206	1.9	6.2	29	0145	2.5	8.2	14	0151	2.6	8.5	29	0133	3.0	9.8	
	0828	5.0	16.4		0818	4.6	15.1		0835	4.9	16.1													

July-juillet

August-août

September-septembre

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds
1	0547	1.4	3.3	16	0007	6.1	20.0	1	0023	6.8	22.3	16	0112	6.2	20.3	1	0152	7.0	23.0	16	0158	6.1	20.0
1	1217	5.0	17.7		0653	1.0	3.3		0710	0.2	0.7		0743	0.9	3.0		0811	0.2	0.7		0804	1.3	4.3
SA	1742	2.5	8.2	SU	1318	5.4	17.7	TU	1337	6.0	19.7	WE	1359	5.8	19.0	FR	1429	6.9	22.6	SA	1413	6.3	20.7
SA	2345	6.5	21.3	DI	1850	2.6	8.5	MA	1912	1.9	6.2	ME	1943	2.1	6.9	WE	2039	0.8	2.6	SA	2020	1.4	4.6
2	0635	0.6	2.0	17	0048	6.2	20.3	2	0115	7.0	23.0	17	0146	6.2	20.3	2	0238	6.9	22.6	17	0230	6.1	20.0
1	1306	5.6	18.4		0732	0.9	3.0		0755	0.0	0.0		0812	0.9	3.0		0849	0.5	1.6		0831	1.4	4.6
SU	1832	2.4	7.9	MO	1354	5.5	18.0	WE	1419	6.3	20.7	TH	1427	5.9	19.4	SA	1507	7.0	23.0	SU	1439	6.3	20.7
DI				LU	1927	2.5	8.2	ME	2001	1.6	5.2	JE	2015	2.0	6.6	SA	2118	0.8	2.6	DI	2053	1.3	4.3
3	0033	6.8	22.3	18	0126	6.2	20.3	3	0205	7.0	23.0	18	0218	6.1	20.0	3	0325	6.5	21.3	18	0304	5.9	19.4
0	0723	0.3	1.0		0807	0.8	2.6		0838	0.0	0.0		0839	1.0	3.3		0927	0.9	3.0		0859	1.7	5.6
MO	1352	5.8	19.0	TU	1427	5.6	18.4	TH	1501	6.5	21.3	FR	1453	5.9	19.4	SU	1544	6.8	22.3	MO	1506	6.3	20.7
LU	1921	2.2	7.2	MA	2002	2.4	7.9	JE	2050	1.4	4.6	VE	2047	1.9	6.2	DI	2205	0.9	3.0	LU	2128	1.4	4.6
4	0123	6.9	22.6	19	0202	6.2	20.3	4	0254	6.9	22.6	19	0251	6.0	19.7	4	0411	6.0	19.7	19	0340	5.6	18.4
0	0810	0.1	0.3		0840	0.9	3.0		0919	0.2	0.7		0906	1.2	3.9		1005	1.5	4.9		0928	2.0	6.6
TU	1438	6.0	19.7	WE	1459	5.6	18.4	FR	1542	6.6	21.7	SA	1520	6.0	19.7	MO	1625	6.5	21.3	TU	1536	6.2	20.3
MA	2010	2.0	6.6	ME	2036	2.4	7.9	VE	2140	1.3	4.3	SA	2120	1.8	5.9	LU	2255	1.2	3.9	MA	2208	1.5	4.9
5	0213	6.9	22.6	20	0202	6.3	20.0	5	0343	6.6	21.7	20	0325	5.8	19.0	5	0502	5.5	18.0	20	0420	5.3	17.4
0	0857	0.1	0.3		0911	1.0	3.3		0959	0.6	2.0		0934	1.4	4.6		1046	2.1	6.9		1002	2.4	7.9
WE	1524	6.1	20.0	TH	1530	5.6	18.4	SA	1623	6.5	21.3	SU	1548	5.9	19.4	TU	1708	6.1	20.0	WE	1610	6.0	19.7
ME	2102	2.0	6.6	JE	2111	2.4	7.9	SA	2232	1.3	4.3	DI	2157	1.8	5.9	MA	2351	1.5	4.9	ME	2254	1.7	5.6
6	0305	6.8	22.3	21	0312	5.9	19.4	6	0433	6.1	20.0	21	0401	5.5	18.0	6	0600	5.0	16.4	21	0509	5.0	16.4
0	0943	0.3	1.0		0941	1.1	3.6		1041	1.1	3.6		1004	1.7	5.6		1135	2.7	8.9		1042	2.8	9.2
TH	1610	6.1	20.0	FR	1600	5.6	18.4	SA	1707	6.4	21.0	MO	1618	5.9	19.4	WE	1801	5.7	18.7	TH	1654	5.7	18.7
JE	2156	1.9	6.2	VE	2148	2.3	7.5	LU	2326	1.5	4.9	LU	2239	1.9	6.2	ME				ME	2353	1.9	6.2
7	0357	6.5	21.3	22	0348	5.7	18.7	7	0526	5.6	18.4	22	0442	5.2	17.1	7	0058	1.9	6.2	22	0615	4.7	15.4
0	1029	0.5	1.6		1012	1.4	4.6		1124	1.7	5.6		1036	2.1	6.9		0719	4.6	15.1		1138	3.1	10.2
FR	1658	6.1	20.0	SA	1632	5.6	18.4	LU	1754	6.1	20.0	MA	1832	5.8	19.0	TH	1843	3.2	10.5	FR	1757	5.5	18.0
VE	2253	1.9	6.2	SA	2229	2.4	7.9	LU				MA	2327	2.0	6.6	JE	1914	5.3	17.4	VE			
8	0452	6.1	20.0	23	0427	5.4	17.7	8	0026	1.6	5.2	23	0530	4.9	16.1	8	0219	2.1	6.9	23	0108	2.0	6.6
0	1115	0.9	3.0		1044	1.6	5.2		0627	5.1	16.7		1115	2.5	8.2		0902	4.6	15.1		0755	4.5	14.8
SA	1747	6.1	20.0	SU	1707	5.5	18.0	TU	1214	2.3	7.5	WE	1735	5.6	18.4	FR	1428	3.4	11.2	SA	1309	3.4	11.2
SA	2355	1.9	6.2	DI	2316	2.4	7.9	MA	1848	5.8	19.0	ME				VE	2042	5.2	17.1	SA	1925	5.4	17.7
9	0550	5.7	18.7	24	0511	5.1	16.7	9	0134	1.8	5.9	24	0025	2.1	6.9	9	0341	2.0	6.6	24	0236	1.9	6.2
0	1203	1.4	4.6		1120	2.0	6.6		0744	4.7	15.4		0634	4.6	15.1		1027	4.8	15.7		0933	4.8	15.7
SU	1839	6.0	19.7	LU	1746	5.5	18.0	WE	1914	2.8	9.2	TH	1206	2.9	9.5	SA	1602	3.2	10.5	SU	1455	3.2	10.5
DI				MO				ME	1957	5.6	18.4	JE	1832	5.5	18.0	SA	2158	5.3	17.4	DI	2056	5.5	18.0
10	0100	1.9	6.2	25	0009	2.4	7.9	10	0249	1.9	6.2	25	0136	2.1	6.9	10	0445	1.8	5.9	25	0355	1.6	5.2
0	0655	5.2	17.1		0604	4.8	15.7		0916	4.6	15.1		0805	4.4	14.4		1120	5.1	16.7		1037	5.2	17.1
MO	1257	1.9	6.2	TU	1202	2.3	7.5	TH	1442	3.1	10.2	FR	1322	3.2	10.5	SU	1701	2.9	9.5	MO	1613	2.8	9.2
LU	1935	5.9	19.4	MA	1831	5.5	18.0	WE	2107	5.5	18.0	VE	1947	5.5	18.0	DI	2255	5.6	18.4	LU	2210	5.9	19.4
11	0208	1.8	5.9	26	0111	2.3	7.5	11	0403	1.8	5.9	26	0258	1.9	6.2	11	0533	1.6	5.2	26	0454	1.2	3.9
0	0810	4.9	16.1		0710	4.6	15.1		1040	4.7	15.4		0945	4.6	15.1		1158	5.4	17.7		1124	5.8	19.0
TU	1358	2.4	7.9	WE	1254	2.7	8.9	FR	1608	3.1	10.2	SA	1456	3.2	10.5	MO	1744	2.6	8.5	TU	1710	2.1	6.9
MA	2035	5.9	19.4	ME	1926	5.5	18.0	VE	2214	5.6	18.4	SA	2108	5.6	18.4	LU	2340	5.8	19.0	MA	2310	6.3	20.7
12	0316	1.7	5.6	27	0218	2.1	6.9	12	0507	1.6	5.2	27	0414	1.5	4.9	12	0611	1.3	4.3	27	0542	0.8	2.6
0	0930	4.8	15.7		0832	4.5	14.8		1140	5.0	16.4		1057	4.9	16.1		1229	5.6	18.4		1204	6.3	20.7
WE	1508	2.7	8.9	TH	1401	2.9	9.5	SA	1712	3.0	9.8	SU	1618	2.9	9.5	TU	1819	2.3	7.5	WE	1759	1.5	4.9
ME	2134	5.9	19.4	JE	2029	5.6	18.4	SA	2310	5.8	19.0	DI	2219	6.0	19.7	MA				ME			
13	0421	1.5	4.9	28	0327	1.8	5.9	13	0557	1.3	4.3	28	0516	1.1	3.6	13	0018	6.0	19.7	28	0002	6.7	22.0
0	1045	4.9	16.1		0959	4.6	15.1		1224	5.3	17.7		1149	5.4	17.7		0643	1.2	3.9		0624	0.6	2.0
TH	1617	2.8	9.2	FR	1516	3.0	9.8	SU	1759	2.7	8.9	MO	1720	2.5	8.2	WE	1257	5.8	19.0	TH	1242	6.7	22.0
JE	2230	5.9	19.4	SA	1623	5.8	19.0	DI	2356	6.0	19.7	LU	2320	6.4	21.0	ME	1850	2.0	6.6	JE	1844	0.9	3.0
14	0518	1.3	4.3	29	0432	1.5	4.9	14	0638	1.1	3.6	29	0606	0.6	2.0	14	0052	6.1	20.0	29	0051	6.9	22.6
0	1147	5.1	16.7		1109	4.9	16.1		1259	5.5	18.0		1233	5.9	19.4		0711	1.2	3.9		0703	0.6	2.0
SA	1717	2.8	9.2	SA	1627	2.9	9.5	SA	1828	2.5	8.2	TU	1812	1.9	6.2	TH	1323	6.0	19.7	SA	1318	7.1	23.3
SA	2321	6.0	19.7	DI	2233	6.1	20.0	LU				MA			JE	1920	1.7	5.6	DI	1927	0.6	2.0	
15	0609	1.1	3.6	30	0530	1.0	3.3	15	0036	6.1	20.0	30	0014	6.8	22.3	15	0125	6.2	20.3	30	0137	6.9	22.6
0	1237	5.3	17.4		1205	5.3	17.4		0713	1.0	3.3		0651	0.3	1.0		0738	1.2	3.9		0741	0.7	2.3
SU	1807	2.7	8.9	SU	1728	2.6	8.5	TU	1331	5.6	18.4	WE	1313	6.3	20.7	FR	1348	6.2	20.3	SU	1354	7.2	23.6
SA				DI	2329	6.5	21.3	MA	1912	2.3	7.5	ME	1900	1.4	4.6	VE	1949	1.5	4.9	SA	2010	0.4	1.3
31	0622	0.6	2.0		1253	5.6	18.4																
				MO	1822	2.3	7.5																
				LU																			

October-octobre				November-novembre				December-décembre			
Day	Time	Mètres Feet		Day	Time	Mètres Feet		Day	Time	Mètres Feet	
			jour heure / mètres pieds				jour heure / mètres pieds				jour heure / mètres pieds
1	0222	6.7 22.0	16 0212 6.1 20.0	1	0335 5.9 19.4	16 0318 5.8 19.0	1	0434 5.6 18.4	16	0358 5.9 19.4	
0818	1.1 3.6	17 0758 1.9 6.2	17	0908 2.5 8.2	16 0847 2.6 8.5	1	0904 3.0 9.8	16	0932 2.6 8.5		
SU 1430	7.1 23.3	MO 1401	6.6 21.7	WE 1513	6.4 21.0	TH 1447	6.6 21.0	FR 1534	6.0 19.7	SA 1532	6.6 21.7
DI 2053	0.4 1.3	LU 2029	1.0 3.3	ME 2159	1.1 3.6	JE 2136	0.9 3.0	VE 2222	1.4 4.6	MA 2216	0.8 2.6
2	0306 6.4 21.0	17 0248 5.9 19.4	2	0422 5.5 18.0	17 0405 5.6 18.4	2	0449 5.4 17.7	17	0448 5.9 19.4		
0855 1.5 4.9	18 0829 2.1 6.9	17	0951 2.9 9.5	17	0933 2.8 9.2	2	1020 3.2 10.5	17	1029 2.6 8.5		
MO 1506 6.9 22.6	TU 1431 6.6 21.7	TU 1451	6.6 21.7	FR 1555	6.0 19.7	SA 1617	5.7 18.7	MO 1627	6.3 20.7		
LU 2138 0.7 2.3	MA 2106 1.0 3.3	ME 2147	1.2 3.9	JE 2248 1.5 4.9	VE 2226 1.2 3.9	SA 2306 1.7 5.6	DI 2305 1.1 3.6	LU 2308 1.5 4.9			
3	0351 6.0 19.7	18 0326 5.7 18.7	3	0515 5.2 17.1	18 0459 5.4 17.7	3	0538 5.3 17.4	18	0542 5.9 19.4		
0933 2.1 6.9	0902 2.4 7.9	0902 2.4 7.9	1041 3.2 10.5	1029 3.0 9.8	1029 3.0 9.8	1117 3.3 10.8	1135 2.6 8.5	1135 2.6 8.5			
TU 1544 6.5 21.3	WE 1504 6.4 21.0	WE 1504	6.4 21.0	FR 1645 5.5 18.0	SA 1630 6.0 19.7	SU 1710 5.3 17.4	MO 1728 5.9 19.4	MO 1728 5.9 19.4			
MA 2225 1.1 3.6	ME 2147 1.2 3.9	ME 2147 1.2 3.9	VE 2343 1.9 6.2	VE 2343 1.9 6.2	SA 2323 1.5 4.9	DI 2352 2.1 6.9	LU 2358 1.5 4.9	LU 2358 1.5 4.9			
4	0440 5.8 18.0	19 0409 5.4 17.7	4	0620 5.0 16.4	19 0605 5.3 17.4	4	0633 5.2 17.1	19	0639 5.9 19.4		
1014 2.6 8.5	1040 2.7 8.9	1040 2.7 8.9	1150 3.5 11.5	1142 3.1 10.2	1142 3.1 10.2	1228 3.4 11.2	1247 2.5 8.2	1247 2.5 8.2			
WE 1627 6.0 19.7	TH 1544 6.1 20.0	TH 1544 6.1 20.0	SA 1750 5.2 17.1	SU 1739 5.7 18.7	SU 1739 5.7 18.7	MO 1812 5.0 16.4	TU 1837 5.5 18.0	TU 1837 5.5 18.0			
ME 2317 1.6 5.2	VE 2236 1.5 4.9	VE 2236 1.5 4.9	SA 0507 2.2 7.2	DI 0507 2.2 7.2	DI 0507 2.2 7.2	LU 0544 2.3 7.5	MA 1837 5.5 18.0	MA 1837 5.5 18.0			
5	0537 5.0 16.4	20 0501 5.1 16.7	5	0738 4.9 16.1	20 0718 5.4 17.7	5	0733 5.2 17.1	20	0739 6.0 19.7		
1104 3.1 10.2	1028 3.0 9.8	1028 3.0 9.8	SU 1326 3.5 11.5	MO 1309 3.0 9.8	MO 1309 3.0 9.8	TU 1345 3.2 10.5	WE 1400 2.3 7.5	WE 1400 2.3 7.5			
TH 1719 5.5 18.0	FR 1634 5.8 19.0	FR 1634 5.8 19.0	DI 1914 4.9 16.1	LU 1859 5.5 18.0	LU 1859 5.5 18.0	MA 1926 4.8 15.7	ME 1953 5.3 17.4	ME 1953 5.3 17.4			
JE 0621 2.0 6.6	21 0612 4.9 16.1	21	0617 2.4 7.9	21	0136 1.8 5.9	6	0142 2.5 8.2	21	0156 2.2 7.2		
0654 4.7 15.4	1136 3.3 10.8	1136 3.3 10.8	6 0851 5.0 16.4	21 0826 5.6 18.4	6	0830 5.4 17.7	21	0838 6.2 20.3			
FR 1216 3.4 11.2	SA 1743 5.5 18.0	SA 1743 5.5 18.0	MO 1455 3.3 10.8	TU 1431 2.7 8.9	TU 1431 2.7 8.9	WE 1455 2.9 9.5	TH 1509 2.0 6.6	TH 1509 2.0 6.6			
VE 1833 5.1 16.7	SA 0621 4.9 16.1	SA 0621 4.9 16.1	LU 2037 4.9 16.1	MA 2021 5.4 17.7	MA 2021 5.4 17.7	ME 2043 4.8 15.7	JE 2112 5.2 17.1	JE 2112 5.2 17.1			
7	0139 2.2 7.2	22 0049 1.9 6.2	7	0304 2.4 7.9	22 0243 1.9 6.2	7	0242 2.7 8.9	22	0302 2.5 8.2		
0831 4.7 15.4	0744 4.9 16.1	0744 4.9 16.1	7 0945 5.3 17.4	22 0924 6.0 19.7	22	0920 5.6 18.4	22	0933 6.3 20.7			
SA 1409 3.5 11.5	SU 1315 3.3 10.8	SU 1315 3.3 10.8	TU 1556 2.9 9.5	WE 1538 2.1 6.9	WE 1538 2.1 6.9	TH 1551 2.5 8.2	FR 1612 1.6 5.2	FR 1612 1.6 5.2			
SA 2008 5.0 16.4	DI 1914 5.4 17.7	DI 1914 5.4 17.7	MA 2145 5.1 16.7	ME 2135 5.6 18.4	ME 2135 5.6 18.4	JE 2152 4.9 16.1	VE 2226 5.3 17.4	VE 2226 5.3 17.4			
8	0301 2.2 7.2	23 0211 1.9 6.2	8	0358 3.3 7.5	23 0344 1.9 6.2	8	0338 2.7 8.9	23	0406 2.6 8.5		
0951 4.9 16.1	0906 5.2 17.1	0906 5.2 17.1	1025 5.6 18.4	1012 6.4 21.0	1012 6.4 21.0	1002 5.9 19.4	1025 6.5 21.3	1025 6.5 21.3			
SU 1541 3.3 10.8	MO 1450 3.0 9.8	MO 1450 3.0 9.8	WE 1640 2.5 8.2	TH 1634 1.6 5.2	TH 1634 1.6 5.2	FR 1637 2.1 6.9	SA 1707 1.3 4.3	SA 1707 1.3 4.3			
DI 2128 5.1 16.7	LU 2043 5.5 18.0	LU 2043 5.5 18.0	ME 2238 5.3 17.4	JE 2240 5.8 19.0	JE 2240 5.8 19.0	VE 2249 5.1 16.7	SA 2330 5.5 18.0	SA 2330 5.5 18.0			
9	0406 2.1 6.9	24 0324 1.7 5.6	9	0441 2.2 7.2	24 0437 2.0 6.6	9	0427 2.7 8.9	24	0504 2.7 8.9		
1042 5.2 17.1	1035 5.6 18.4	1035 5.6 18.4	1059 5.9 19.4	1056 6.7 22.0	1056 6.7 22.0	1041 6.2 20.3	1113 6.6 21.7	1113 6.6 21.7			
MO 1637 2.9 9.5	TU 1559 2.4 7.9	TU 1559 2.4 7.9	TH 1717 2.0 6.6	FR 1723 1.1 3.6	FR 1723 1.1 3.6	SA 1718 1.7 5.6	SU 1758 1.0 3.3	SU 1758 1.0 3.3			
LU 2228 5.3 17.4	MA 2155 5.8 19.0	MA 2155 5.8 19.0	JE 2323 5.5 18.0	VE 2337 6.0 19.7	VE 2337 6.0 19.7	SA 2338 5.4 17.7	DI 0427 2.7 8.9	DI 0427 2.7 8.9			
10	0454 1.9 6.2	25 0423 1.5 4.9	10	0518 2.2 7.2	25 0525 2.0 6.6	10	0510 2.7 8.9	25	0023 5.7 18.7		
1118 5.5 18.0	1051 6.1 20.0	1051 6.1 20.0	1129 6.2 20.3	1137 6.9 22.6	1137 6.9 22.6	1117 6.4 21.0	0555 2.7 8.9	0555 2.7 8.9			
TU 1717 2.5 8.2	ME 1654 1.8 5.9	ME 1654 1.8 5.9	FR 1751 1.6 5.2	SA 1809 0.7 2.3	SA 1809 0.7 2.3	SU 1757 1.3 4.3	MO 1159 6.7 22.0	MO 1159 6.7 22.0			
MA 2314 5.6 18.4	ME 2256 6.1 20.0	ME 2256 6.1 20.0	VE 0518 5.7 18.7	26 0028 6.1 20.0	26	0023 5.6 18.4	LU 1844 0.8 2.6	LU 1844 0.8 2.6			
11	0532 1.7 5.6	26 0511 1.3 4.3	11	0054 2.1 6.9	26 0610 2.1 6.9	11	0522 5.6 18.4	26	0110 5.8 19.0		
1148 5.8 19.0	1131 6.6 21.7	1131 6.6 21.7	SA 1159 6.4 21.0	SU 1217 7.1 23.3	SU 1217 7.1 23.3	0552 2.6 8.5	0641 2.7 8.9	0641 2.7 8.9			
WE 1751 2.1 6.9	TH 1741 1.2 3.9	TH 1741 1.2 3.9	SA 1824 1.3 4.3	DI 1853 0.5 1.6	DI 1853 0.5 1.6	MO 1154 6.7 22.0	TU 1242 6.8 22.3	TU 1242 6.8 22.3			
ME 2353 5.8 19.0	JE 2349 6.4 21.0	JE 2349 6.4 21.0	12 0042 5.9 19.4	27 0114 6.2 20.3	27	0023 5.6 18.4	MA 1927 0.7 2.3	MA 1927 0.7 2.3			
12	0604 1.6 5.2	27 0554 1.2 3.9	12	0624 2.1 6.9	27 0114 6.2 20.3	12	0105 5.8 19.0	27	0152 5.9 19.4		
1215 6.1 20.0	1208 7.0 23.0	1208 7.0 23.0	12 0624 2.1 6.9	12 0652 2.2 7.2	12 0652 2.2 7.2	0632 2.6 8.5	0722 2.6 8.5	0722 2.6 8.5			
TH 1822 1.7 5.6	FR 1826 0.7 2.3	FR 1826 0.7 2.3	SU 1228 6.7 22.0	MO 1256 7.0 23.0	MO 1256 7.0 23.0	MA 1932 6.8 22.3	WE 1322 6.7 22.0	WE 1322 6.7 22.0			
JE 1209 1.6 5.2	VE 0624 1.2 3.9	VE 0624 1.2 3.9	DI 1858 1.0 3.3	LU 1935 0.5 1.6	LU 1935 0.5 1.6	MA 1937 0.7 2.3	ME 2007 0.8 2.6	ME 2007 0.8 2.6			
13	0629 6.0 19.7	28 0037 6.5 21.3	13	0119 6.0 19.7	28 0158 6.1 20.0	13	0146 5.9 19.4	28	0230 5.9 19.4		
0633 1.6 5.2	0634 1.3 4.3	0634 1.3 4.3	0657 2.2 7.2	0732 2.4 7.9	0732 2.4 7.9	0713 2.5 8.2	0801 6.6 21.7	0801 6.6 21.7			
FR 1241 6.3 20.7	SA 1245 7.2 23.6	SA 1245 7.2 23.6	MO 1259 6.8 22.3	TU 1335 6.9 22.6	TU 1335 6.9 22.6	WE 1312 6.9 22.6	TH 1401 6.6 21.7	TH 1401 6.6 21.7			
VE 1852 1.4 4.6	SA 1908 0.4 1.3	SA 1908 0.4 1.3	LU 1933 0.8 2.6	MA 2017 0.6 2.0	MA 2017 0.6 2.0	ME 1959 0.5 1.6	JE 2044 0.9 3.0	JE 2044 0.9 3.0			
14	0103 6.1 20.0	29 0123 6.5 21.3	14	0157 6.0 19.7	29 0240 6.0 19.7	14	0228 6.0 19.7	29	0307 5.9 19.4		
0701 1.6 5.2	0713 1.5 4.9	0713 1.5 4.9	0731 2.3 7.5	0812 2.6 8.5	0812 2.6 8.5	0255 2.5 8.2	0839 2.7 8.9	0839 2.7 8.9			
SA 1307 6.5 21.3	SU 1321 7.2 23.6	SU 1321 7.2 23.6	TU 1332 6.8 22.3	WE 1414 6.7 22.0	WE 1414 6.7 22.0	TH 1355 6.9 22.6	FR 1438 6.4 21.0	FR 1438 6.4 21.0			
SA 1923 1.2 3.9	DI 1950 0.3 1.0	DI 1950 0.3 1.0	MA 2011 0.7 2.3	ME 2059 0.8 2.6	ME 2059 0.8 2.6	JE 2043 0.5 1.6	VE 2120 1.0 3.3	VE 2120 1.0 3.3			
15	0138 6.1 20.0	30 0208 6.4 21.0	15	0236 5.9 19.4	30 0322 5.8 19.0	15	0312 6.0 19.7	30	0342 5.8 19.4		
0729 1.7 5.6	0751 1.8 5.9	0751 1.8 5.9	0808 2.4 7.9	0852 2.8 9.2	0852 2.8 9.2	0441 2.5 8.2	0917 2.8 9.2	0917 2.8 9.2			
SU 1334 6.6 21.7	MO 1358 7.1 23.3	MO 1358 7.1 23.3	WE 1407 6.8 22.3	TH 1453 6.4 21.0	TH 1453 6.4 21.0	FR 1841 6.8 22.3	SA 1516 6.2 20.3	SA 1516 6.2 20.3			
DI 1955 1.0 3.3	LU 2032 0.4 1.3	LU 2032 0.4 1.3	ME 2051 0.8 2.6	JE 2140 1.1 3.6	JE 2140 1.1 3.6	VE 2128 0.6 2.0	SA 2154 1.3 4.3	SA 2154 1.3 4.3			
31	0251 6.2 20.3	31 0829 2.1 6.9	31	0251 6.2 20.3	31 0829 2.1 6.9	31	0417 5.7 18.7	31	0957 2.8 9.2		
0829 2.1 6.9	TU 1435 6.8 22.3	TU 1435 6.8 22.3	0829 2.1 6.9	TU 1435 6.8 22.3	TU 1435 6.8 22.3	SU 1554 5.9 19.4	SU 1554 5.9 19.4	SU 1554 5.9 19.4			
TU 1435 6.8 22.3	MA 2115 0.7 2.3	MA 2115 0.7 2.3	0829 2.1 6.9	MA 2115 0.7 2.3	MA 2115 0.7 2.3	DI 2228 1.5 4.9	DI 2228 1.5 4.9	DI 2228 1.5 4.9			

January-janvier

February-février

March-mars

Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds	Day	Time	Metres	Feet	jour	heure	mètres	pieds			
1	0453	5.6	18.4	16	0508	6.4	21.0	1	0513	5.8	19.0	16	0603	6.2	20.3	1	0424	6.0	19.7	16	0523	6.0	19.7			
1	1042	2.9	9.5	17	1115	2.0	6.6	11	1138	2.5	8.2	17	1250	1.8	5.9	11	1057	2.0	6.6	17	1218	1.7	5.6			
LO 1635	5.5	18.0	TU 1711	6.0	19.7	TH 1732	5.0	16.4	FR 1857	4.9	16.1	FR 1857	4.9	16.1	FR 1857	4.9	16.1	FR 1857	4.9	16.1	FR 1857	4.9	16.1			
LU 2303	1.9	6.2	MA 2323	1.4	4.6	JE 2327	2.5	8.2	VE			VE			VE			VE			SA					
2	0532	5.5	18.0	17	0556	6.3	20.7	2	0554	5.7	18.7	17	0028	2.9	9.5	2	0500	5.8	19.0	17	0001	3.2	10.5			
1	1134	3.0	9.8	18	1217	2.0	6.6	12	1235	2.5	8.2	18	0705	5.8	19.0	12	1148	2.1	6.9	18	0628	5.5	18.0			
TU 1722	5.2	17.1	WE 1811	5.5	18.0	ME		FR 1831	4.7	15.4	SA 2032	4.7	15.4	SA 2032	4.7	15.4	SA 2032	4.7	15.4	SA 2032	4.7	15.4	SA 2032	4.7	15.4	
MA 2341	2.2	7.2	ME					VE			VE			VE			DI			DI	2015	4.6	15.1			
3	0616	5.5	18.0	18	0011	2.0	6.6	3	0013	2.9	9.5	18	0151	3.3	10.8	3	0349	5.6	18.4	18	0136	3.5	11.5			
1	1234	2.9	9.5	19	0650	6.2	20.3	0646	5.6	18.4	19	0825	5.6	18.4	0646	5.6	18.4	19	0825	5.6	18.4	19	0758	5.2	17.1	
WE 1819	4.9	16.1	TH 1325	2.0	6.6	SA 1344	2.5	8.2	SA 1344	2.5	8.2	SU 1531	2.0	6.6	SU 1531	2.0	6.6	SU 1531	2.0	6.6	SU 1531	2.0	6.6	SA 1344	2.5	8.2
ME			JE 1923	5.1	16.7	MA 1955	4.5	14.8	MA 1955	4.5	14.8	DI 2213	4.8	15.7	DI 2213	4.8	15.7	DI			DI	2155	4.8	15.7		
4	0026	2.5	8.2	19	0109	2.6	8.5	4	0117	3.2	10.5	19	0336	3.4	11.2	4	0031	3.3	10.8	19	0331	3.4	11.2			
0707	5.5	18.0	FR 0750	6.1	20.0	0752	5.6	18.4	19	0946	5.6	18.4	0752	5.6	18.4	4	0659	5.4	17.7	19	0928	5.3	17.4			
LU 1341	2.8	9.2	FR 1438	2.0	6.6	SU 1500	2.3	7.5	MO 1645	1.8	5.9	MO 1645	1.8	5.9	MO 1645	1.8	5.9	MO 1645	1.8	5.9	MO 1645	1.8	5.9	LU 1341	2.8	9.2
JE 1931	4.7	15.4	VE 2050	4.9	16.1	DI 2137	4.5	14.8	LU 2324	5.1	16.7	LU 2324	5.1	16.7	LU 2324	5.1	16.7	LU 2324	5.1	16.7	LU 2324	5.1	16.7	JE 1931	4.7	15.4
5	0120	2.8	9.2	20	0221	3.0	9.8	5	0242	3.4	11.2	20	0454	3.2	10.5	5	0210	3.5	11.5	20	0443	3.1	10.2			
FR 0802	5.6	18.4	SA 0857	6.0	19.7	0905	5.7	18.7	20	0952	5.8	19.0	20	1052	5.8	19.0	5	0828	5.5	18.0	20	1035	5.5	18.0		
FR 1449	2.6	8.5	SA 1551	1.8	5.9	MO 1613	1.9	6.2	TU 1740	1.5	4.9	TU 1740	1.5	4.9	TU 1740	1.5	4.9	TU 1740	1.5	4.9	TU 1740	1.5	4.9	FR 1449	2.6	8.5
VE 2054	4.6	15.1	SA 2218	4.9	16.1	LU 2256	4.8	15.7	MA			MA			MA			MA 2235	4.8	15.7	MA 2235	4.8	15.7	VE 2054	4.6	15.1
6	0225	3.1	10.2	21	0343	3.2	10.5	6	0405	3.3	10.8	21	0010	5.4	17.7	6	0349	3.3	10.8	21	0530	2.7	8.9			
SA 0858	5.7	18.7	21	1002	6.1	20.0	7	1011	6.0	19.7	21	0547	2.9	9.5	6	0950	5.8	19.0	21	1126	5.7	18.7				
SA 1551	2.2	7.2	SU 1656	1.6	5.2	TU 1714	1.5	4.9	TU 1714	1.5	4.9	WE 1143	6.0	19.7	WE 1143	6.0	19.7	WE 1143	6.0	19.7	WE 1143	6.0	19.7	SA 1551	2.2	7.2
SA 2212	4.8	15.7	DI 2329	5.2	17.1	MA 2352	5.2	17.1	MA 2352	5.2	17.1	ME 1824	1.3	4.3	ME 1824	1.3	4.3	ME 1824	1.3	4.3	ME 1824	1.3	4.3	SA 2212	4.8	15.7
7	0332	3.1	10.2	22	0455	3.1	10.2	7	0510	3.0	9.8	22	0046	5.6	18.4	7	0458	2.8	9.2	22	0014	5.7	18.7			
FR 0951	6.0	19.7	22	1100	6.2	20.3	8	1110	6.4	21.0	22	0627	2.6	8.5	8	1055	6.2	20.3	22	0608	2.3	7.5				
SU 1645	1.8	5.9	MO 1751	1.3	4.3	WE 1805	1.0	3.3	WE 1805	1.0	3.3	TH 1743	1.0	3.3	TH 1743	1.0	3.3	TH 1743	1.0	3.3	TH 1743	1.0	3.3	SU 1645	1.8	5.9
DI 2315	5.1	16.7	LU			ME			ME			JE 1859	1.1	3.6	JE 1859	1.1	3.6	JE 1859	1.1	3.6	JE 1859	1.1	3.6	DI 2315	5.1	16.7
8	0433	3.1	10.2	23	0022	5.4	17.7	8	0037	5.7	18.7	23	0117	5.9	19.4	8	0011	5.8	19.0	23	0042	5.9	19.4			
1041	6.2	20.3	23	0551	2.9	9.5	23	0603	2.6	8.5	23	0702	2.3	7.5	8	0551	2.2	7.2	23	0640	2.0	6.6				
LU 1734	1.4	4.6	TU 1151	6.4	21.0	TH 1203	6.7	22.0	FR 1302	6.3	20.7	FR 1302	6.3	20.7	FR 1302	6.3	20.7	FR 1302	6.3	20.7	FR 1302	6.3	20.7	LU 1734	1.4	4.6
LO			MA 1838	1.1	3.6	VE 1850	0.6	2.0	VE 1930	1.0	3.3	VE 1930	1.0	3.3	VE 1930	1.0	3.3	VE 1827	0.6	2.0	VE 1827	0.6	2.0	LO		
9	0007	5.4	17.7	24	0104	5.7	18.7	9	0117	6.1	20.0	24	0145	6.0	19.7	9	0050	6.3	20.7	24	0108	6.1	20.0			
0526	2.9	9.5	24	0636	2.8	9.2	24	0652	2.1	6.9	24	0733	2.1	6.9	9	0638	1.6	5.2	24	0710	1.7	5.6				
TU 1128	6.5	21.3	WE 1235	6.5	21.3	FR 1253	7.0	23.0	SA 1336	6.4	21.0	SA 1336	6.4	21.0	SA 1336	6.4	21.0	SA 1336	6.4	21.0	SA 1336	6.4	21.0	TU 1128	6.5	21.3
MA 1820	1.0	3.3	ME 1918	0.9	3.0	VE 1932	0.3	1.0	SA 1958	1.0	3.3	SA 1958	1.0	3.3	SA 1958	1.0	3.3	SA 1907	0.4	1.3	DI 1924	1.4	4.6	MA 1820	1.0	3.3
10	0052	5.7	18.7	25	0140	5.8	19.0	10	0156	6.4	21.0	25	0211	6.1	20.0	10	0126	6.8	22.3	25	0133	6.3	20.7			
0615	2.7	8.9	25	0715	2.6	8.5	25	0738	1.7	5.6	25	0803	1.9	6.2	10	0723	1.1	3.6	25	0739	1.5	4.9				
WE 1215	6.8	22.3	TH 1314	6.5	21.3	SA 1341	7.2	23.6	SU 1407	6.3	20.7	SU 1407	6.3	20.7	SU 1407	6.3	20.7	SU 1407	6.3	20.7	SU 1407	6.3	20.7	WE 1215	6.8	22.3
ME 1905	0.6	2.0	JE 1953	0.9	3.0	SA 2012	0.2	0.7	DI 2024	1.1	3.6	DI 2024	1.1	3.6	DI 2024	1.1	3.6	DI 1946	0.3	1.0	LU 1950	1.5	4.9	ME 1905	0.6	2.0
11	0135	5.9	19.4	26	0213	5.9	19.4	11	0234	6.7	22.0	26	0236	6.2	20.3	11	0207	7.1	23.3	26	0157	6.4	21.0			
0701	2.5	8.2	26	0750	2.5	8.2	26	0824	1.4	4.6	26	0834	1.8	5.9	11	0807	0.7	2.3	26	0809	1.3	4.3				
TH 1302	7.0	23.0	FR 1350	6.5	21.3	SU 1428	7.2	23.6	MO 1439	6.2	20.3	MO 1439	6.2	20.3	MO 1415	7.0	23.0	MO 1415	7.0	23.0	TU 1420	6.1	20.0			
FR 1949	0.4	1.3	VE 2025	0.9	3.0	DI 2051	0.2	0.7	LU 2049	1.3	4.3	LU 2049	1.3	4.3	LU 2023	0.5	1.6	LU 2023	0.5	1.6	MA 2015	1.6	5.2			
12	0216	6.1	20.0	27	0243	6.0	19.7	12	0312	6.9	22.6	27	0301	6.2	20.3	12	0239	7.2	23.6	27	0222	6.4	21.0			
0748	2.3	7.5	27	0824	2.4	7.9	27	0911	1.2	3.9	27	0905	1.8	5.9	12	0852	0.6	2.0	27	0840	1.3	4.3				
FR 1349	7.1	23.3	SA 1424	6.4	21.0	MO 1515	6.9	22.6	MO 1515	6.9	22.6	TU 1510	6.0	19.7	MA 2115	1.5	4.9	MA 2100	6.8	22.3	WE 1453	5.9	19.4			
VE 2032	0.3	1.0	SA 2054	1.0	3.3	LU 2130	0.5	1.6	MA 2115	1.5	4.9	MA 2115	1.5	4.9	MA 2100	6.8	22.3	MA 2100	6.8	22.3	MA 2100	6.8	22.3	VE 2032	0.3	1.0
13	0258	6.3	20.7	28	0312	6.0	19.7	13	0351	6.9	22.6	28	0326	6.2	20.3	13	0316	7.2	23.6	28	0248	6.4	21.0			
0835	2.1	6.9	SU 0857	2.3	7.5	0859	1.2	3.9	28	0938	1.8	5.9	28	0938	1.8	5.9	13	0297	0.6	2.0	28	0912	1.7	5.6		
SA 1437	7.1	23.3	SU 1457	6.2	20.3	TU 1602	6.5	21.3	WE 1544	5.8	19.0	WE 1544	5.8	19.0	WE 1546	6.4	21.0	WE 1546	6.4	21.0	TH 1526	5.7	18.7			
SA 2114	0.3	1.0	DI 2122	1.2	3.9	MA 2208	1.0	3.3	ME 2142	1.8	5.9	ME 2142	1.8	5.9	ME 2138	1.4	4.6	ME 2138	1.4	4.6	WE 2110	2.1	6.9			
14	0340	6.4	21.0	29	0340	6.0	19.7	14	0431	6.8	22.3	29	0353	6.1	20.0	14	0354	6.9	22.6	29	0315	6.3	20.7			
0925	2.0	6.6	29	0931	2.3	7.5	29	1050	1.3	4.3	29	1015	1.8	5.9	14	1025	0.9	3.0	29	0948	1.4	4.6				
SU 1526	6.8	22.3	MO 1531	6.0	19.7	WE 1652	6.0	19.7	TH 1620	5.5	18.0	TH 1620	5.5	18.0	TH 1634	5.9	19.4	TH 1634	5.9	19.4	FR 1602	5.5	18.0			
DI 2156	0.6	2.0	LU 2150	1.4	4.6	SA 2248	1.6	5																		

July-juillet

August-août

September-septembre

Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds
1	0459	0.4	1.3	16	0605	0.4	1.3	1	0620	0.0	0.0	16	0005	3.3	10.8	1	0053	3.7	12.1	16	0059	3.2	10.5
	1133	2.8	9.2		1233	2.9	9.5		1248	3.1	10.2		0719	0.3	1.0		0719	0.3	1.0		0709	0.9	3.0
SA	1637	1.7	5.6	SU	1747	1.7	5.6	TU	1812	1.4	4.6	WE	1312	3.0	9.8	FR	1334	3.6	11.8	SA	1319	3.3	10.8
SA	2237	3.6	11.8	SA	2338	3.3	10.8	MA				ME	1847	1.4	4.6	VE	1941	0.7	2.3	SA	1931	0.9	3.0
2	0548	0.2	0.7	17	0644	0.4	1.3	2	0010	3.8	12.5	17	0041	3.3	10.8	2	0143	3.6	11.8	17	0136	3.2	10.5
	1222	2.9	9.5		1311	2.9	9.5		0705	-0.1	-0.3		0720	0.6	2.0		0757	0.5	1.6		0735	1.0	3.3
SU	1729	1.6	5.2	MO	1827	1.6	5.2	WE	1330	3.2	10.5	TH	1338	3.1	10.2	SA	1412	3.7	12.1	SU	1345	3.4	11.2
DI	2326	3.7	12.1	LU				ME	1904	1.2	3.9	JE	1921	1.3	4.3	SA	2030	0.6	2.0	DI	2005	0.8	2.6
3	0636	0.0	0.0	18	0018	3.3	10.8	3	0103	3.8	12.5	18	0116	3.2	10.5	3	0233	3.4	11.2	18	0213	3.1	10.2
	1308	3.0	9.8		0718	0.4	1.3		0748	0.0	0.0		0746	0.6	2.0		0835	0.8	2.6		0804	1.2	3.9
MO	1820	1.6	5.2	TU	1345	2.9	9.5	TH	1410	3.4	11.2	FR	1405	3.1	10.2	SU	1450	3.7	12.1	MO	1412	3.4	11.2
LU				MA	1904	1.6	5.2	JE	1957	1.1	3.6	VE	1956	1.2	3.9	DI	2120	0.6	2.0	LU	2043	0.8	2.6
4	0017	3.7	12.1	19	0055	3.3	10.8	4	0154	3.6	11.8	19	0151	3.2	10.5	4	0325	3.1	10.2	19	0254	3.0	9.8
	0723	-0.1	-0.3		0750	0.4	1.3		0829	0.2	0.7		0812	0.8	2.6		0915	1.1	3.6		0834	1.4	4.6
TU	1354	3.1	10.2	WE	1417	2.9	9.5	FR	1451	3.5	11.5	SA	1431	3.1	10.2	MO	1530	3.6	11.8	MA	1443	3.4	11.2
MA	1912	1.5	4.9	ME	1941	1.6	5.2	VE	2050	0.9	3.0	SA	2032	1.2	3.9	LU	2122	0.7	2.3	LU	2124	0.8	2.6
5	0109	3.7	12.1	20	0131	3.2	10.5	5	0246	3.4	11.2	20	0228	3.0	9.8	5	0422	2.9	9.5	20	0341	2.8	9.2
	0809	0.0	0.0		0819	0.5	1.6		0910	0.4	1.3		0839	0.9	3.0		0957	1.4	4.6		0908	1.6	5.2
WE	1438	3.1	10.2	TH	1448	2.9	9.5	SA	1532	3.5	11.5	SU	1459	3.2	10.5	MO	1613	3.4	11.2	WE	1518	3.3	10.8
ME	2006	1.4	4.6	JE	2018	1.5	4.9	SA	2145	0.9	3.0	DI	2111	1.1	3.6	MA	2310	0.8	2.6	MA	2211	0.9	3.0
6	0202	3.6	11.8	21	0208	3.1	10.2	6	0340	3.2	10.5	21	0309	2.9	9.5	6	0517	2.7	8.9	21	0437	2.7	8.9
	0855	0.1	0.3		0848	0.6	2.0		0951	0.7	2.3		0909	1.1	3.6		1047	1.7	5.6		0419	1.8	5.9
TH	1524	3.2	10.5	FR	1518	3.0	9.8	SU	1614	3.5	11.5	MO	1529	3.2	10.5	WE	1704	3.2	10.5	TH	1602	3.2	10.5
JE	2103	1.3	4.3	VE	2058	1.5	4.9	DI	2243	0.9	3.0	LU	2154	1.1	3.6	ME				JE	2310	0.9	3.0
7	0256	3.4	11.2	22	0247	3.0	9.8	7	0349	2.9	9.5	22	0354	2.7	8.9	7	0019	0.9	3.0	22	0553	2.5	8.2
	0940	0.2	0.7		0918	0.8	2.6		1034	1.1	3.6		0941	1.3	4.3		0655	2.5	8.2		1045	1.9	6.2
FR	1610	3.2	10.5	SA	1549	3.0	9.8	MO	1659	3.4	11.2	MA	1604	3.2	10.5	JE	1154	1.9	6.2	FR	1700	3.1	10.2
VE	2204	1.2	3.9	SA	2142	1.4	4.6	LU	2345	0.9	3.0	MA	2243	1.1	3.6	JE	1808	3.0	9.8	VE			
8	0354	3.2	10.5	23	0329	2.8	9.2	8	0549	2.6	8.5	23	0449	2.6	8.5	8	0137	1.0	3.3	23	0024	1.0	3.3
	1026	0.5	1.6		0950	0.9	3.0		1123	1.4	4.6		1019	1.5	4.9		0824	2.6	8.5		0724	2.5	8.2
SA	1657	3.3	10.8	TU	1623	3.0	9.8	TU	1750	3.3	10.8	WE	1645	3.1	10.2	FR	1328	2.0	6.6	SA	1210	2.0	6.6
SA	2308	1.2	3.9	DI	2230	1.4	4.6	MA				ME	2342	1.1	3.6	VE	1925	3.0	9.8	SA	1818	3.1	10.2
9	0456	2.9	9.5	24	0416	2.7	8.9	9	0055	0.9	3.0	24	0604	2.4	7.9	9	0251	1.0	3.3	24	0146	0.9	3.0
	1114	0.8	2.6		1025	1.1	3.6		0712	2.5	8.2		1109	1.7	5.6		0936	2.6	8.5		0843	2.7	8.9
SU	1746	3.3	10.8	MO	1659	3.0	9.8	WE	1225	1.7	5.6	TH	1737	3.1	10.2	SA	1453	1.9	6.2	SA	1349	2.0	6.6
DI				LU	2324	1.3	4.3	ME	1848	3.2	10.5	JE				SA	2040	3.0	9.8	DI	1944	3.1	10.2
10	0016	1.1	3.6	25	0514	2.5	8.2	10	0207	0.9	3.0	25	0052	1.0	3.3	10	0351	0.9	3.0	25	0259	0.8	2.6
	0607	2.7	8.9		1105	1.3	4.3		0840	2.5	8.2		0738	2.4	7.9		1027	2.8	9.2		0940	2.9	9.5
MO	1205	1.1	3.6	TU	1741	3.0	9.8	TH	1342	1.8	5.9	FR	1218	1.9	6.2	SU	1553	1.8	5.9	MO	1508	1.7	5.6
LU	1836	3.3	10.8	MA				JE	1952	3.1	10.2	VE	1842	3.1	10.2	DI	2142	3.1	10.2	LU	2101	3.3	10.8
11	0126	1.0	3.3	26	0026	1.2	3.9	11	0317	0.8	2.6	26	0210	0.9	3.0	11	0438	0.8	2.6	26	0357	0.6	2.0
	0728	2.6	8.5		0629	2.4	7.9		0955	2.6	8.5		0905	2.5	8.2		1106	2.9	9.5		1026	3.1	10.2
TU	1303	1.4	4.6	WE	1154	1.5	4.9	FR	1500	1.9	6.2	SA	1347	1.9	6.2	MO	1640	1.6	5.2	TU	1608	1.4	4.6
MA	1929	3.3	10.8	ME	1829	3.1	10.2	SA	2057	3.1	10.2	SA	1956	3.2	10.5	LU	2231	3.1	10.2	MA	2206	3.4	11.2
12	0233	0.8	2.6	27	0133	1.1	3.6	12	0417	0.7	2.3	27	0322	0.7	2.3	12	0516	0.8	2.6	27	0445	0.5	1.6
	0850	2.5	8.2		0758	2.4	7.9		1052	2.7	8.9		1008	2.7	8.9		1137	3.0	9.8		1106	3.3	10.8
WE	1408	1.6	5.2	TH	1255	1.7	5.6	SA	1604	1.8	5.9	SU	1509	1.8	5.9	TU	1718	1.5	4.9	WE	1701	1.1	3.6
ME	2023	3.3	10.8	JE	1924	3.2	10.5	SA	2155	3.2	10.5	DI	2108	3.3	10.8	MA	2312	3.2	10.5	ME	2302	3.6	11.8
13	0336	0.7	2.3	28	0240	0.9	3.0	13	0506	0.6	2.0	28	0422	0.4	1.3	13	0548	0.7	2.3	28	0528	0.5	1.6
	1002	2.6	8.5		0920	2.4	7.9		1136	2.8	9.2		1058	2.9	9.5		1204	3.1	10.2		1144	3.6	11.8
TH	1513	1.7	5.6	FR	1406	1.8	5.9	MO	1654	1.7	5.6	MO	1614	1.6	5.2	WE	1753	1.3	4.3	TH	1750	0.8	2.6
JE	2117	3.3	10.8	VE	2022	3.3	10.8	DI	2245	3.2	10.5	LU	2212	3.5	11.5	ME	2349	3.3	10.8	JE	2354	3.6	11.8
14	0432	0.6	2.0	29	0344	0.6	2.0	14	0547	0.5	1.6	29	0513	0.3	1.0	14	0617	0.7	2.3	29	0608	0.5	1.6
	1102	2.7	8.9		1026	2.6	8.5		1212	2.9	9.5		1140	3.1	10.2		1229	3.2	10.5		1220	3.7	12.1
FR	1612	1																					

January-janvier

February-février

March-mars

Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds	Day	Time	Mètres	Feet	jour	heure	mètres	pieds			
1	0417	3.1	10.2	16	0420	3.6	11.8	1	0429	3.3	10.8	16	0509	3.5	11.5	1	0334	3.3	10.8	16	0429	3.4	11.2			
	0956	1.8	5.9		1028	1.3	4.3		1055	1.5	4.9		1211	1.0	3.3		1014	1.2	3.9		0439	1.1	3.6	1140	0.9	3.0
	MO 1536	3.0	9.8		TU 1618	3.2	10.5		TH 1646	2.7	8.9		FR 1828	2.7	8.9		FR 1828	2.7	8.9		FR 1828	2.7	8.9	SA 1814	2.7	8.9
	LU 2211	1.1	3.6		MA 2253	0.9	3.0		JE 2233	1.6	5.2		VE 2338	1.8	5.9		VE 2338	1.8	5.9		VE 2121	1.7	5.6	SA 2314	2.0	6.6
2	0455	3.1	10.2	17	0506	3.6	11.8	2	0508	3.2	10.5	17	0606	3.4	11.2	2	0411	3.3	10.8	17	0529	3.2	10.5			
	1050	1.8	5.9		1133	1.2	3.9		1154	1.4	4.6		1328	1.0	3.3		1107	1.2	3.9		1257	1.0	3.3			
	TU 1626	2.8	9.2		WE 1725	3.0	9.8		FR 1755	2.5	8.2		SA 2001	2.6	8.5		SA 1726	2.6	8.5		SA 1944	2.6	8.5			
	MA 2248	1.3	4.3		ME 2320	1.3	4.3		VE 2316	1.8	5.9		SA				SA 2232	1.9	6.2		DI					
3	0534	3.1	10.2	18	0555	3.6	11.8	3	0554	3.2	10.5	18	0056	2.0	6.6	3	0458	3.2	10.5	18	0044	2.1	6.9			
	1151	1.7	5.6		1244	1.2	3.9		1303	1.4	4.6		0715	3.3	10.8		1213	1.2	3.9		0647	3.0	9.8			
	WE 1727	2.7	8.9		TH 1844	2.8	9.2		SA 1929	2.5	8.2		SU 1446	1.0	3.3		SU 1859	2.5	8.2		MO 1417	1.1	3.6			
	ME 2330	1.5	4.9		JE				SA				DI 2129	2.7	8.9		DI 2333	2.1	6.9		LU 2106	2.7	8.9			
4	0617	3.2	10.5	19	0016	1.6	5.2	4	0015	2.0	6.6	19	0229	2.1	6.9	5	0601	3.2	10.5	19	0224	2.1	6.9			
	1259	1.6	5.2		0649	3.5	11.5		0651	3.3	10.8		0829	3.3	10.8		1333	1.1	3.6		0812	3.0	9.8			
	TH 1846	2.5	8.2		FR 1357	1.1	3.6		SU 1417	1.2	3.9		MO 1554	0.9	3.0		MO 1307	2.5	8.2		TU 1526	1.0	3.3			
	JE				VE 2013	2.7	8.9		DI 2104	2.5	8.2		LU 2233	2.8	9.2		LU				MA 2205	2.8	9.2			
5	0020	1.7	5.6	20	0123	1.8	5.9	5	0134	2.1	6.9	20	0345	2.0	6.6	5	0106	2.1	6.9	20	0336	1.9	6.2			
	0704	3.2	10.5		0747	3.5	11.5		0754	3.3	10.8		0937	3.3	10.8		1418	3.2	10.5		0923	3.1	10.2			
	FR 1405	1.4	4.6		SA 1507	0.9	3.0		MO 1526	1.0	3.3		TU 1649	0.8	2.6		TU 1753	1.0	3.3		WE 1618	1.0	3.3			
	VE 2015	2.5	8.2		SA 2135	2.8	9.2		LU 2214	2.7	8.9		MA 2319	3.0	9.8		MA 2147	2.7	8.9		ME 2246	3.0	9.8			
6	0119	1.9	6.2	21	0239	2.0	6.6	6	0255	2.1	6.9	21	0440	1.9	6.2	6	0240	2.1	6.9	21	0427	1.7	5.6			
	0752	3.3	10.8		0848	3.5	11.5		0859	3.5	11.5		1032	3.4	11.2		0838	3.3	10.8		1018	3.2	10.5			
	SA 1505	1.2	3.9		SU 1609	0.8	2.6		TU 1625	0.7	2.3		WE 1732	0.7	2.3		WE 1757	0.7	2.3		TH 1659	0.9	3.0			
	SA 2131	2.6	8.5		DI 2242	2.9	9.5		MA 2305	2.9	9.5		ME 2356	3.1	10.2		ME 2236	2.9	9.5		JE 2319	3.1	10.2			
7	0223	2.0	6.6	22	0348	2.0	6.6	7	0402	2.0	6.6	22	0525	1.7	5.6	7	0352	1.8	5.9	22	0509	1.5	4.9			
	0841	3.4	11.2		0946	3.5	11.5		0959	3.6	11.8		1117	3.5	11.5		1047	3.5	11.5		1103	3.2	10.5			
	SU 1559	1.0	3.3		MO 1704	0.7	2.3		WE 1715	0.5	1.6		TH 1808	0.7	2.3		TH 1649	0.5	1.6		FR 1734	0.9	3.0			
	DI 2232	2.8	9.2		LU 2334	3.0	9.8		ME 2348	3.1	10.2		JE				JE 2317	3.1	10.2		VE 2347	3.2	10.5			
8	0325	2.0	6.6	23	0445	2.0	6.6	8	0459	1.8	5.9	23	0027	3.2	10.5	8	0449	1.6	5.2	23	0545	1.3	4.3			
	0930	3.6	11.8		1039	3.6	11.8		1056	3.8	12.5		1603	1.6	5.2		1047	3.7	12.1		1141	3.3	10.8			
	MO 1647	0.7	2.3		TU 1750	0.6	2.0		TH 1800	0.3	1.0		FR 1157	3.5	11.5		FR 1733	0.4	1.3		SA 1803	0.9	3.0			
	LU 2323	2.9	9.5		MA				JE				VE 1839	0.7	2.3		VE 2355	3.4	11.2		SA					
9	0421	2.0	6.6	24	0017	3.1	10.2	9	0028	3.3	10.8	24	0055	3.2	10.5	9	0540	1.2	3.9	24	0013	3.3	10.8			
	1018	3.7	12.1		0533	1.9	6.2		0551	1.6	5.2		0638	1.5	4.9		1140	3.8	12.5		0617	1.2	3.9			
	TU 1733	0.5	1.6		WE 1125	3.6	11.8		FR 1149	3.9	12.8		SA 1233	3.5	11.5		SA 1814	0.3	1.0		SU 1217	3.3	10.8			
	MA				ME 1829	0.5	1.6		VE 1842	0.2	0.7		SA 1906	0.7	2.3		SA				DI 1829	1.0	3.3			
10	0008	3.1	10.2	25	0054	3.2	10.5	10	0105	3.4	11.2	25	0121	3.3	10.8	10	0031	3.6	11.8	25	0037	3.3	10.8			
	0512	1.9	6.2		0615	1.8	5.9		0641	1.4	4.6		0711	1.4	4.6		0629	0.9	3.0		0649	1.0	3.3			
	WE 1107	3.8	12.5		TH 1207	3.6	11.8		SA 1240	4.0	13.1		SU 1307	3.4	11.2		SU 1231	3.8	12.5		MO 1252	3.3	10.8			
	ME 1818	0.3	1.0		JE 1904	0.5	1.6		SA 1922	0.2	0.7		DI 1931	0.8	2.6		DI 1852	0.4	1.3		LU 1854	1.0	3.3			
11	0051	3.2	10.5	26	0128	3.2	10.5	11	0143	3.6	11.8	26	0146	3.3	10.8	11	0107	3.8	12.5	11	0101	3.4	11.2			
	0601	1.8	5.9		0653	1.7	5.6		0731	1.2	3.9		0743	1.3	4.3		0716	0.7	2.3		0720	0.9	3.0			
	TH 1156	3.9	12.8		FR 1245	3.6	11.8		SU 1329	3.9	12.8		MO 1341	3.3	10.8		MO 1320	3.7	12.1		TU 1326	3.2	10.5			
	JE 1901	0.2	0.7		VE 1936	0.6	2.0		DI 2001	0.3	1.0		LU 1955	0.9	3.0		LU 1930	0.6	2.0		MA 1920	1.2	3.9			
12	0132	3.3	10.8	27	0159	3.2	10.5	12	0221	3.7	12.1	27	0211	3.4	11.2	12	0143	3.9	12.8	27	0126	3.4	11.2			
	0650	1.7	5.6		0729	1.7	5.6		0821	1.0	3.3		0816	1.2	3.9		1804	0.5	1.6		0752	0.8	2.6			
	FR 1246	4.0	13.1		SA 1322	3.5	11.5		MO 1419	3.7	12.1		TU 1416	3.2	10.5		TU 1409	3.6	11.8		WE 1402	3.1	10.2			
	VE 1944	0.2	0.7		SA 2004	0.6	2.0		LU 2039	0.5	1.6		MA 2021	1.1	3.6		MA 2008	0.8	2.6		ME 1947	1.3	4.3			
13	0213	3.4	11.2	28	0229	3.3	10.8	13	0259	3.8	12.5	28	0236	3.4	11.2	13	0220	3.9	12.8	28	0152	3.5	11.5			
	0740	1.6	5.2		0805	1.6	5.2		0912	0.9	3.0		0852	1.1	3.6		0851	0.5	1.6		0826	0.8	2.6			
	SA 1336	3.9	12.8		SU 1357	3.4	11.2		TU 1510	3.5	11.5		WE 1453	3.1	10.2		WE 1459	3.4	11.2		TH 1440	3.0	9.8			
	SA 2026	0.2	0.7		DI 2031	0.8	2.6		MA 2118	0.8	2.6		ME 2048	1.3	4.3		ME 2049	1.1	3.6		JE 2016	1.5	4.9			
14	0254	3.5	11.5	29	0257	3.3	10.8	14	0339	3.8	12.5	29	0304	3.4	11.2	14	0256	3.8	12.5	29	0220	3.4	11.2			
	0833	1.5	4.9		0842	1.6	5.2		1006	0.9	3.0		0930	1.1	3.6		1041	0.6	2.0		0903	0.8	2.6			
	SU 1427	3.7	12.1		MO 1433	3.3	10.8		WE 1605	3.2	10.5		TH 1534	2.9	9.5		TH 1554	3.1	10.2		FR 1522	2.9	9.5			
	DI 2108	0.4	1.3		LU 2058	0.9	3.0		ME 2128	1.2	3.9		JE 2117	1.5	4.9		JE 2127	1.4	4.6		VE 2047	1.6	5.2			
15	0336	3.5	11.5	30	0326	3.3	10.8	15	0352	3.7	12.1	30	0341	3.6	11.8	15	0341	3.6	11.8	30	0252	3.4	11.2			
	0929	1.4	4.6		0922	1.5	4.9		1104	0.9	3.0		1036	0.7	2.3		1036	0.7	2.3		0945	0.9	3.0			
	MO 1521	3.5	11.5		TU 1512	3.1	10.2		TH 1709	2.9	9.5		FR 1656	2.9	9.5		FR 1656	2.9	9.5		SA 1612	2.7	8.9			
	LU 2150	0.6	2.0		MA 2126	1.1	3.6		JE 2243	1.5	4.9		VE 2214	1.7	5.6		VE 2214	1.7	5.6		SA 2124	1.8	5.9			
31	0356	3.3	10.8	31	0356																					

July-juillet

August-août

September-septembre

July-juillet					August-août					September-septembre													
Turns	Maximum	reverse	hour	heure	maximum	Turns	Maximum	reverse	hour	heure	maximum	Turns	Maximum	reverse	hour	heure	maximum						
Day	Time	Time	Knots	Kn	Time	Time	Time	Knots	Kn	Time	Time	Time	Time	Knots	Kn	Time	Time						
1	0103	0512	-4.6		0038	+0.8				0143	+1.5					16	0220	+3.0					
SA	0836	1211	+5.1		16	0209	0617	+4.0		1	0246	0725	-3.8		1	0457	0817	-5.3					
SA	1556	1848	-3.1		SU	0932	1312	-5.1		WE	1033	1401	+4.7		FR	1126	1438	+5.5	SA	1124	1425	+3.6	
SA	2215				DI	1656	1958	-3.4		ME	1729	2034	-3.8		VE	1749	2059	-5.4	SA	1723	2040	-4.3	
		0007	+1.2		2347		0122	+0.8			17	0025	0217	+1.7		2359		0105	+3.03	2	0156	0305	+4.2
2	0154	0601	-4.8		17	0257	0659	-3.9		2	0349	0735	-5.4		2	0556	0907	-5.0	17	0549	0855	-3.6	
SU	0922	1258	+5.7		MO	1012	1351	+5.1		WE	1049	1418	+6.3		SA	1215	1520	+4.9	SU	1202	1454	+3.2	
DI	1644	1938	-3.5		LU	1732	2035	-3.5		ME	1751	2051	-4.6		SA	1823	2138	-5.5	DI	1743	2105	-4.3	
		0100	+1.3		18	0022	0203	+0.9		3	0013	0233	+2.5		3	0057	0353	+4.4	18	0024	0325	+3.7	
3	0248	0651	-5.0		0342	0739	-3.9		3	0451	0826	-5.4		3	0655	0959	-4.5	18	0633	0933	-3.4		
MO	1009	1346	+6.1		TH	1050	1426	+5.0		TH	1138	1503	+6.2		SU	1306	1602	+4.1	MO	1242	1525	+2.7	
LU	1730	2026	-3.9		MA	1850	2109	-3.6		VE	1830	2134	-5.0		DI	1855	2218	-5.3	LU	1803	2132	-4.3	
		0153	+1.5		19	0053	0240	+1.1		4	0057	0325	+2.3		4	0138	0442	+4.5	19	0052	0401	+3.9	
4	0345	0742	-5.2		0512	0817	-3.8		4	0552	0918	-5.1		4	0755	1054	-3.9	19	0521	0719	+1.5		
TU	1058	1434	+6.3		WE	1126	1500	+4.9		SA	1216	1529	+4.0		MO	1402	1646	+3.1	TU	1327	1558	+2.1	
MA	1816	2114	-4.2		ME	1836	2141	-3.7		SA	1839	2154	-4.1		LU	1927	2259	-4.9	MA	1825	2203	-4.1	
		0045	+2.45		20	0123	0317	+1.2		5	0140	0358	+2.6		5	0222	0534	+4.4	20	0126	0442	+3.9	
5	0448	0834	-1.7		0511	0854	-3.7		5	0655	1017	-3.3		5	0859	1153	-3.2	20	0811	1104	-2.7		
WE	1148	1522	+6.3		SA	1317	1631	+5.1		SU	1252	1559	+3.5		TU	1506	1735	+2.1	WE	1419	1637	+1.5	
ME	1900	2201	-4.4		JE	1904	2212	-4.7		DI	1900	2221	-4.1		MA	1959	2343	-4.3	ME	1849	2241	-3.9	
		0132	0339	-1.9	21	0152	0354	+1.4		6	0226	0511	+3.5		6	0310	0631	+4.1	21	0208	0531	+3.8	
6	0545	0927	+4.9		0558	0931	-3.5		6	0802	1108	-3.9		6	1009	1303	-2.6	21	0812	1202	-2.3		
TU	1238	1610	+6.0		SA	1236	1605	+4.4		SU	1410	1717	+4.1		MO	1628	1833	+1.2	TU	1526	1725	+1.0	
WE	1943	2249	-4.6		VE	1930	2242	-3.8		LU	2018	2343	-5.0		ME	2034			WE	1918	2329	-3.6	
		0221	0435	+2.1	22	0222	0433	+1.6		7	0313	0608	+3.6		7	0407	0736	+3.8	22	0301	0633	+3.6	
7	0650	1022	-4.5		0647	1011	-3.2		7	0914	1210	-3.2		7	1124	1424	-2.3	22	1025	1317	-2.1		
FR	1330	1658	+5.5		SA	1312	1637	+4.0		MO	1511	1806	+3.0		TH	1814	2147	+0.5	FR	1658	1831	+0.5	
VE	2025	2336	-4.7		SA	1936	2313	-3.8		MA	1944	2326	-3.9		JE	1815	1942	-2.5	VE	2001			
		0311	0535	+2.4	23	0253	0515	+1.8		8	0402	0029	-4.6		8	0507	0848	+3.6	23	0408	0748	+3.6	
8	0802	1121	-3.9		0742	1055	-2.8		8	1034	1322	-2.5		8	1238	1547	-2.4	8	1444	1444	-2.1		
SA	1424	1747	+4.7		SU	1352	1711	+3.4		WE	1521	1751	+1.5		FR	1957	2113	+0.3	SA	1144	1444	-2.1	
SA	2105				DI	2021	2346	-3.8		ME	2011				VE	2228	2258	-1.9	SA	1840	1959	+0.4	
		0025	-4.7		24	0327	0601	+2.1		9	0121	-4.2		9	0228	0254	-2.8	24	0156	-3.2			
9	0402	0637	+2.7		0846	1145	-2.3		9	0455	0816	+3.7		9	0614	0957	+3.6	24	0524	0907	+3.8		
SU	0921	1227	-3.2		MO	1438	1748	+2.8		WE	1156	1445	-2.2		SA	1341	1654	-2.7	24	1255	1559	-2.6	
DI	1524	1839	+3.8		TU	2047			ME	1802	2009	+1.1		SA	2056	2229	+0.6	DI	1945	2128	-0.7		
		0115	-4.7		25	0023	-3.8		10	2209	0219	-3.8		10	2045	0106	+3.9	25	2308	0319	-3.5		
10	0453	0744	+3.0		0405	0654	+2.4		10	0551	0924	+3.9		10	0445	0817	+3.4	10	0717	1056	+3.8		
MO	1049	1341	-2.6		TU	0959	1246	-1.9		TH	1313	1608	-2.3		FR	1211	1459	-1.8	10	1030	1450	+3.5	
LU	1635	1936	+2.8		MA	1536	1833	+2.1		JE	1848	2126	+0.6		VE	1830	2007	+0.5	10	1512	1847	+2.6	
		0207	-4.5		2115		0105	-3.8		2259		0322	-3.5		2138		0216	+3.5	11	0117	0503	-3.1	
11	0544	0851	+3.5		26	0447	0753	+2.7		11	0648	1028	+4.1		11	0810	1143	+4.0	11	0644	0940	-4.0	
TU	1217	1502	-2.3		WE	1120	1359	-1.7		FR	1417	1719	-2.6		MO	1511	1823	-3.4	11	0743	1111	+4.7	
TU	1759	2038	+2.0		ME	1653	1927	+1.4		VE	2112	2239	+0.5		MA	2101			MA	2108	2335	+2.4	
		0259	-4.4		27	0548	0854	+3.2		12	0004	0423	+3.5		12	0300	0439	+4.0	27	0200	0531	-4.5	
12	0634	0955	+4.0		0735	1055	-2.8		12	0743	1124	+4.3		12	0658	1037	+4.4	12	0811	1200	+5.0		
WE	1335	1621	-2.4		TU	1240	1521	-1.7		SA	1508	1813	-3.0		SU	1424	1721	-2.8	12	1255	1626	+4.2	
ME	1934	2144	+1.3		JE	1827	2034	+1.0		SA	2205	2339	+0.7		DI	2053	2244	+1.0	ME	2145			
		0353	-3.46		2229		0251	-3.8		13	0112	0518	-0.7		2227		0045	+1.8	28	0305	0625	-4.8	
13	0721	1053	+4.5		28	0627	0959	+3.8		13	0832	1211	+4.5		13	0303	0630	-3.6	28	0305	0625	-4.8	
TH	1439	1731	-2.7		FR	1349	1636	-2.1		SU	1551	1856	-3.3		WE	0935	1256	+4.2	TH	0934	1245	+5.1	
JE	2101	2248	+0.9		VE	1958	2145	+0.8		DI	2242				SA	1614	1924	-3.9	TH	1554	1906	-5.2	
		0032	0444	-4.1	29	0235	0451	-4.1		14	0211	0607	+0.9		14	0346	0707	-3.7	29	0113	0447		

October-octobre						November-novembre						December-décembre											
Turns		Maximum		reverse		maximum		Turns		Maximum		reverse		maximum		Turns		Maximum		reverse		maximum	
Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds
1	0555	0857	+5.2	16	0543	0841	+4.4	1	0016	0348	+5.5	16	0705	1001	+3.4	1	0030	0409	+5.0	16	0022	0358	+5.8
SU	1208	1452	+3.7	MO	1156	1423	+3.6	WE	1406	1558	+3.7	TH	1338	1525	+1.1	FR	1455	1629	+0.7	SA	1418	1611	-3.9
DI	1733	2058	-5.5	LU	1646	2022	-4.5	ME	1749	2142	-4.2	JE	1710	2112	-4.4	VE	1802	2201	-3.4	SA	1805	2157	-4.5
2	0014	0328	+5.4	17	0625	0922	+4.7	2	0057	0433	+5.0	17	0051	0408	+5.3	2	0111	0451	+4.6	17	0111	0447	+5.5
MO	0649	0948	+4.3	TH	1062	1359	-3.5	TH	1512	1648	+0.8	FR	1435	1616	+0.9	SA	1550	1720	+0.6	SA	1826	2131	-4.0
LU	1804	2137	-5.1	MA	1710	2053	-4.4	JE	1825	2226	-3.5	VE	1755	2202	-4.1	SA	1852	2247	-2.9	SU	1511	1711	+1.5
3	0054	0413	+5.2	18	0011	0336	+4.8	3	0141	0521	+4.4	18	0121	0459	+5.0	3	0155	0536	+4.0	18	0204	0538	+5.0
MO	0743	1040	-3.8	MO	0711	1006	-3.2	0907	1216	-3.0	0847	1149	-3.2	0915	1232	-3.3	0911	1223	-4.1	MO	1606	1817	+1.7
TU	1401	1619	+2.0	WE	1332	1536	+1.4	FR	1627	1747	+0.5	SA	1539	1716	+0.8	DI	1657	1819	+0.6	LU	2032	2359	-3.4
MA	1835	2217	-4.5	ME	1737	2130	-4.2	VE	1908	2318	-2.9	SA	1853	2259	-3.7	SA	1947	2341	-2.4	LU	2032	2359	-3.4
4	0135	0501	+4.8	19	0050	0420	+4.7	4	0231	0615	+3.8	19	0218	0558	+4.6	4	0242	0623	+3.5	19	0303	0652	+4.3
MO	0839	1137	-3.3	MO	0802	1057	-2.9	1000	1318	-2.9	1000	1318	-2.9	0943	1251	-3.2	0956	1322	-3.3	MO	1734	1924	+0.8
WE	1510	1709	+1.3	TH	1430	1620	+1.0	SA	1745	1858	+0.3	SU	1647	1829	+0.8	MO	1734	1924	+0.8	TU	1700	1929	+2.1
ME	1907	2301	-3.8	JE	1808	2213	-3.9	SA	2012			SU	2012			MO	1734	1924	+0.8	MA	2205		
5	0221	0554	+4.3	20	0137	0511	+4.4	5	0329	0715	+3.4	20	0322	0701	+3.3	5	0336	0714	+3.1	20	0410	0730	+3.6
MO	0939	1241	-2.8	MO	0859	1156	-2.7	SU	1055	1421	-2.9	MO	1038	1355	-3.5	TU	1036	1411	-3.4	WE	1038	1411	-4.4
TH	1635	1810	+0.6	FR	1542	1716	+0.6	DI	1845	2016	+0.5	LU	1747	1950	+1.2	MA	1816	2030	+1.2	ME	1752	2041	+2.7
JE	1944	2353	-3.1	VE	1848	2307	-3.6	2151			2151			2155			2256			21	2343	0236	-2.5
6	0315	0655	+3.7	21	0234	0613	+4.1	6	0435	0816	+3.1	21	0434	0807	+3.9	6	0440	0808	+2.6	21	0528	0832	+2.8
FR	1044	1356	-2.6	MO	1006	1308	-2.5	MO	1146	1518	-3.1	MO	1130	1454	-3.9	WE	1115	1457	-3.6	TH	1121	1505	-4.6
VE	1927	*		SA	1709	1830	+0.4	LU	1924	2126	+1.0	MA	1838	2106	+2.0	ME	1851	2129	+1.8	JE	1841	2148	+3.6
7	0419	0805	+3.4	22	0342	0726	+3.9	7	0544	0916	+2.9	22	0550	0910	+3.6	7	0624	0910	-1.7	22	0610	0957	+2.2
SA	1150	1511	-2.6	DI	1115	1425	-2.7	TU	1231	1605	-3.5	WE	1217	1547	-4.4	TH	1151	1539	-3.8	TH	1151	1539	-3.8
SA	1935	2054	+0.3	DI	1825	1959	+0.6	MA	1955	2221	+1.6	ME	1922	2211	+3.0	JE	1922	2220	+2.6	WE	1926	2247	+4.4
2213				2133				8	0055	0359	-2.1	23	0108	0408	-3.0	8	0134	0417	-1.9	23	0222	0510	-2.8
8	0531	0915	+3.3	23	0459	0840	+3.9	8	0649	1007	+2.9	23	0705	1008	+3.3	8	0706	0954	+1.9	23	0819	1037	+1.7
SU	1250	1613	-2.9	MO	1217	1532	-3.2	WE	1309	1643	-3.8	TH	1259	1634	-4.8	FR	1226	1618	-4.0	SA	1247	1645	-4.8
DI	2017	2206	+0.8	LU	1917	2112	+2.2	ME	2021	2304	+2.3	JE	2002	2306	+4.0	VE	1952	2303	+3.4	SA	2010	2339	+5.0
9	2356	0337	-2.4	24	2327	0308	-3.2	9	0157	0454	-2.4	24	0220	0514	-3.3	9	0229	0515	-2.3	24	0320	0612	-3.1
MO	0639	1014	+3.4	MO	0616	0946	+4.1	9	0747	1051	+2.8	24	0816	1102	+2.9	9	0816	1043	+1.7	24	0934	1134	+1.4
MO	1338	1700	-3.3	TU	1308	1625	-3.9	TH	1342	1716	-4.1	FR	1339	1717	-5.2	SA	1259	1655	-4.2	SU	1330	1731	-4.8
LU	2048	2259	+1.3	MA	1958	2228	+2.2	JE	2046	2342	+3.1	VE	2040	2355	+4.9	SA	2022	2343	+4.1	DI	2052		
10	0113	0437	-2.7	25	0058	0420	-3.6	10	0247	0542	-2.7	25	0320	0613	-3.6	10	0317	0606	-2.7	25	0206	+5.5	
TU	0736	1102	+3.5	WE	0724	1042	+4.2	MO	0840	1130	+2.6	25	0922	1152	+2.5	10	0918	1130	+1.5	25	0411	0706	-3.4
TH	1417	1738	-3.6	ME	1352	1711	-4.5	FR	1410	1746	-4.3	SA	1415	1757	-5.3	SU	1333	1731	-4.4	MO	1038	1227	-1.2
MA	2114	2340	+1.9	ME	2036	2322	+3.3	VE	2110			SA	2117			DI	2054			LU	1413	1816	-4.7
11	0210	0526	-3.0	26	0212	0522	-4.0	11	0331	0616	+3.7	26	0413	0707	-3.8	11	0401	0622	+4.7	26	0110	+5.7	
WE	0825	1141	+3.5	TH	0826	1132	+4.1	SA	0931	1208	+2.4	SU	1023	1239	+2.1	MO	1015	1214	+1.3	26	0455	0753	-3.6
WE	1449	1809	-3.9	TH	1430	1752	-5.1	SA	1437	1815	-4.5	DI	1451	1837	-5.3	MO	1409	1809	-4.6	MA	1457	1859	-4.5
ME	2137			JE	2112			2135			2135			2154			2129			21	2214	0152	+5.7
12	0258	0608	-3.2	27	0314	0618	-4.2	12	0413	0708	-3.3	27	0501	0756	-3.9	12	0444	0737	-3.3	27	0536	0836	-3.7
TH	0909	1216	+3.5	FR	0923	1217	+3.9	SU	1020	1244	+2.1	MO	1122	1326	+1.7	MO	1106	1259	+1.2	ME	1220	1401	+1.0
FR	1516	1837	-4.2	VE	1505	1830	-5.5	DI	1503	1844	-4.6	LU	1526	1916	-5.1	MA	1447	1849	-4.7	ME	1541	1940	-4.3
2159				2148				2202			2202			2232			2207			21	2232	0232	+5.5
13	0341	0647	-3.4	28	0410	0710	-4.4	13	0454	0749	-3.4	28	0546	0844	-3.9	13	0527	0822	-3.6	28	0615	0916	-3.7
FR	0950	1248	+3.3	SA	0919	1301	+3.5	MO	1108	1321	+1.8	MO	1217	1411	+1.4	ME	1154	1343	+1.2	TH	1301	1443	+1.3
VE	1541	1902	-4.3	SA	1539	1908	-5.6	LU	1529	1916	-4.6	MA	1602	1956	-4.7	ME	1530	1932	-4.8	JE	1625	2021	-4.1
2222				2224				2232			2232			2310			2249			21	2310	0232	+5.5
14	0422	0725	+3.6	29	0502	0800	-4.4	14	0536	0831	-5.2	29	0630	0929	-3.8	14	0611	0907	-3.7	29	0650	0954	-3.7
SA	1031	1320	+3.0	TU	1114	1344	+2.9	TU	1157	1359	+1.5	WE	1311	1456	+1.1	TH	1240	1430	+1.3	FR	1340	1524	+1.1
SA	1603	1928	-4.4	DI	1611	1945	-5.5	MA	1559	1950	-4.6	ME	1639	2036	-4.4	JE	1616	2017	-4.9	VE	1709	2100	-3.9
2245				2300				15	2307	0238	+5.4	30	2350	0327	+5.5	15	2334	0311	+5.9	30	0010	0346	+5.0
15	0502	0803	-3.6	30	0552	0849	-4.3	15	0619	0915	-3.5	30	0711	1013	-3.7	15	0653	0933	-3.8	30	0724	1030	-3.7
SU	1113	1351	+2.7	MO	1209	1428	+2.3	WE	1246	1440	+1.3	TH	1403	1541	+0.9	FR	1328	1519	+1.3	SA	1417	1606	+1.1
DI	1624	195																					

January-janvier					February-février					March-mars								
Turns	Maximum	reverse	maximum		Turns	Maximum	reverse	maximum		Turns	Maximum	reverse	maximum					
Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds			
1	0124	0457	+4.2	16	0151	0512	+5.0	1	0206	0446	+2.1	16	0029	0320	-3.0			
MO	0826	1143	-3.7	TU	0830	1147	-4.8	16	0719	1059	-3.9	SA	0355	0602	+1.4			
MO	1535	1736	+1.2	TU	1519	1756	+2.8	TH	1429	1739	+3.2	SA	0807	1202	-3.9			
LU	1943	2306	-2.6	MA	2039	2347	-3.5	VE	1614	1934	+3.9	SA	1528	1859	+4.1			
	2	0204	0534	17	0247	0601	+4.0		2314	0203	-2.3		2	0301	0255	+1.5		
		0856	1221	17	0907	1234	-4.7		17	0521	0730	+1.2		2	0742	1138	-3.6	
TU	1615	1829	+1.4	WE	1610	1859	+3.1		SA	0932	1340	+3.8		SA	1513	1833	+3.2	
MA	2051	2359	-2.1	ME	2203				SA	1714	2047	+3.8		SA	2214			
	3	0249	0614	18	0057	0057	-2.8		18	0038	0334	-2.3		3	0059	-1.8		
		0926	1301	18	0353	0654	+2.9		3	0416	0617	+0.8		18	0002	0311	-2.5	
WE	1655	1926	+1.7	TH	0943	1326	-4.5		SU	0810	1230	-3.3		MO	0959	1423	-2.8	
ME	2213			TH	1705	2009	+3.4		SU	1610	1941	+3.1		LU	1744	2128	+3.6	
	4	0102	-1.7		19	2314	0219	-2.3		4	2336	0225	-1.7		19	0112	0427	-2.7
		0345	0700	19	0537	0757	+2.0		4	0603	0730	+0.4		19	0832	1006	+0.6	
TH	0956	1344	-3.6	FR	1025	1421	-4.3		MO	1138	1601	-3.3		TU	1139	1543	-2.7	
WE	1735	2027	+2.1	VE	1758	2119	+3.8		LU	1922	2304	+4.2		MO	1855	2234	+3.7	
	5	2341	0218	20	0101	0347	-2.2			5	0055	0351	-1.9		20	0208	0523	-3.1
		0509	0754	20	0659	0908	+1.2			5	0741	0900	+0.4		20	0912	1109	+1.0
FR	1029	1430	-3.6	SA	1109	1520	-4.2			TU	1016	1500	-3.3		WE	1306	1649	-3.0
VE	1815	2126	+2.7	SA	1852	2225	+4.3			MA	1830	2211	+3.8		ME	1955	2326	+3.8
	6	0100	0337	21	0213	0506	-2.5			6	0159	0458	-2.5		21	0252	0606	-3.4
MO	0920	0855	-1.6	21	0837	1022	+0.8			6	0835	1019	+0.8		21	0943	1156	+1.5
SA	1105	1518	-3.7	SU	1202	1619	-4.1			WE	1159	1614	-3.8		TH	1410	1740	-3.2
SA	1856	2220	+3.4	DI	1944	2323	+4.7			ME	1935	2311	+4.5		JE	2045		
	7	0204	0447	22	0311	0609	-2.9			7	0250	0549	-3.2			22	0008	+4.0
		0759	0958	22	0952	1128	+0.7			7	0915	1122	+1.5		22	0327	0640	-3.7
SU	1148	1607	-3.9	MO	1300	1715	-4.1			TH	1323	1717	-4.4		FR	1010	1235	-2.0
DI	1938	2310	+5.1	LU	2034					JE	1459	1840	-3.8		VE	1501	1823	-3.5
	8	0257	0546	23	0014	+5.0				8	0033	0002	+5.1		23	0127	0044	+4.0
		0912	1058	23	0359	0700	-3.3			8	0332	0633	-3.9		23	0356	0709	-4.0
MO	1238	1656	-4.2	TU	1045	1223	+0.9			FR	0952	1215	+2.3		SA	1034	1309	+2.5
LU	2021	2357	+4.8	TU	1359	1805	-4.1			VE	1433	1812	-4.9		SA	1541	1901	-3.6
	9	0345	0637	24	2120	0108	+5.2			9	2125	0047	+5.5		24	2206		
		1008	1152	24	0441	0743	-3.5			9	0411	0713	-4.5		24	0421	0735	-4.1
TU	1332	1745	-4.5	WE	1125	1310	+1.0			SA	1029	1304	+3.1		24	0517	1340	+2.9
MA	2106			ME	1452	1850	-4.1			SA	1536	1903	-5.3		24	1626	1937	-3.6
		2202	0129	25	0202	0138	+5.2			10	2305	0130	+5.6		25	2242	0145	+3.6
		0429	0723	25	0518	0820	-3.7			10	0446	0752	-5.1		25	0443	0800	-4.2
WE	1054	1243	+1.2	TH	1159	1351	+1.2			10	1107	1351	+3.9		25	0440	1141	+3.3
ME	1427	1834	-4.9	JE	1541	1931	-4.1			DI	1635	1954	-5.4		26	1706	2012	-3.6
		2152	0129	26	2241	0215	+5.2			11	2303	0212	+5.4		26	2319		
		0513	0808	26	0550	0853	-3.8			11	0520	0831	-5.5		26	0504	0824	-4.3
TH	1136	1332	-1.4	FR	1230	1428	+1.4			11	1045	1438	+4.5		26	1141	1444	+3.7
WE	1524	1922	-5.1	VE	1625	2009	-4.0			LU	1732	2043	-5.2		26	1745	2048	-3.6
		2239	0214	27	2317	0248	+5.0			12	2352	0254	+4.9		27	2357	0242	+2.9
		0555	0851	27	0620	0924	-3.9			12	0554	0909	-5.7		27	0524	0848	-4.3
FR	1217	1421	+1.8	SA	1259	1504	+1.6			TU	1225	1525	+4.9		27	0525	1242	+4.0
VE	1620	2011	-5.3	SA	1709	2045	-3.9			MA	1829	2134	-4.8		28	0815	1215	-3.4
		2326	0258	28	2352	0319	+4.8			13	0043	0336	+4.2		28	0037	0312	+2.4
13	0635	0934	-4.4	28	0646	0954	-3.9			13	0626	0948	-5.5		28	0543	0915	-4.2
SA	1300	1510	+2.1	28	1338	1550	+1.8			WE	1305	1613	+5.0		28	1232	1515	+4.1
SA	1718	2100	-5.2	DI	1753	2121	-3.6			ME	1927	2227	-4.3		JE	1907	2204	-3.2
		14	0013	29	0025	0349	+4.5			14	0138	0420	+3.3		29	0120	0344	+1.9
		0715	1017	29	0711	1022	-4.0			14	0659	1028	-5.2		29	0604	0944	-4.1
SU	1340	1602	+2.3	MO	1356	1616	+2.0			TH	1348	1702	+4.9		FR	1303	1622	+4.1
DI	1819	2152	-4.8	LU	1840	2158	-3.3			JE	2028	2324	-3.6		VE	1953	2247	-2.9
		15	0101	30	0059	0419	+4.0			15	0239	0507	+2.3		30	0208	0420	+1.4
		0753	1101	30	0734	1051	-4.0			15	0732	1112	-4.6		30	0627	1018	-3.9
MO	1431	1657	+2.6	TU	1427	1655	+2.1			FR	1435	1757	+4.5		SA	1341	1706	+3.9
LU	1925	2246	-4.2	MA	1930	2239	-2.9			VE	2135				SA	2046	2359	-2.5
				31	0136	0450	+3.4								31	0307	0503	+1.0
				31	0757	1122	-3.9								31	0655	1101	-3.6
				WE	1459	1738	+2.3								SU	1429	1800	+3.7
				ME	2027	2325	-2.4								DI	2149		

+ Flood/lot direction 045 True/vraie

* current weak & variable

- Ebb/jussant direction 225 True/vraie

* courant faible et variable

July-juillet

August-août

September-septembre

July-juillet					August-août					September-septembre													
Turns	Maximum	reverse	jour	heure	maximum	Turns	Maximum	reverse	jour	heure	maximum	Turns	Maximum	reverse	jour	heure	maximum						
Day	Time	Time	Knots	hour	hour	Day	Time	Time	Knots	hour	hour	Day	Time	Time	Knots	hour	hour						
1	0050	0427	-6.5	16	0213	0532	-5.6	1	0230	0602	-7.9	16	0053	+3.8	1	0128	+6.4	16	0136	+6.0			
SA	0755	1115	+7.9	SU	0839	1215	+7.2	O	0921	1241	+8.4	WE	0334	-6.2	FR	0421	+8.1	SA	0437	+6.3			
SA	1504	1804	-4.5	SU	1557	1907	-5.1	WE	1619	1926	-5.6	FR	0939	+7.3	FR	1041	+8.5	SA	1032	+6.6			
SA	2101	2313	+3.6	DI	2210			MA	2228			ME	1639	-5.6	VE	1700	-7.4	SA	1642	-6.3			
2	0139	0518	+7.0			0027	+3.1			0049	+4.5			2303	0128	+4.2			2317	0205	+6.4		
2	0845	1203	+8.3	17	0258	0613	+5.8	2	0328	0653	-8.3	17	0413	-6.2	2	0515	+8.0	17	0514	+6.0			
SU	1553	1859	-4.8	MO	0919	1253	+7.2	WE	1010	1327	+8.7	WE	1012	+8.0	SA	1125	+8.2	SU	1087	+6.4			
DI	2152			LU	1636	1944	-5.1	ME	1659	2010	-6.1	JE	1704	-5.7	SA	1736	+0.9	DI	1708	+6.4			
3		0002	+3.8	18	0339	0645	-6.0	3	0426	0743	-8.2	18	0452	-6.0	3	0016	+7.1	18	0554	+6.8			
MO	0934	1250	+8.6	TU	0955	1327	+7.3	TH	1056	1411	+8.7	FR	1045	+7.2	SU	1211	+7.1	MO	1145	+5.8			
MA	1640	1949	-5.1	MA	1711	2019	-5.1	JE	1739	2054	-6.6	VE	1728	-5.9	DI	1813	-7.4	LU	1736	+6.4			
4	2241	0053	+3.9	19	0430	0150	+3.3	4	0002	0235	+5.4	19	0002	+4.9	4	0058	+7.1	19	0015	+6.9			
TU	1021	1338	+8.7	WE	1029	1359	+7.4	FR	1140	1454	+8.5	SA	1120	+6.9	MO	1301	+5.9	TU	1227	+6.0			
MA	1724	2037	-5.4	ME	1742	2052	-5.2	WE	1817	2137	-7.0	SA	1753	-6.0	MO	1852	-7.0	MA	1808	+21.1			
5	2331	0148	+4.1	20	0008	0225	+3.4	5	0050	0329	+5.7	20	0031	+5.2	5	0139	+4.4	20	0048	+6.9			
WE	1107	1426	+8.7	TH	1101	1430	+7.4	O	0622	0917	-6.8	MO	0617	-6.1	SA	0813	+6.9	O	0727	+6.5			
ME	1808	2116	-5.7	JE	1810	2123	-5.4	SA	1226	1537	+8.0	SU	1157	+6.5	TU	1402	+4.4	WE	1316	+5.8			
6	0023	0246	+4.2	21	0044	0311	+3.6	6	0137	0425	+5.9	21	0101	+5.5	6	0223	+6.6	21	0127	+6.8			
TH	1153	1514	+8.5	WE	0550	0851	-5.2	O	0726	1017	-5.8	MO	0703	+5.5	WE	0924	-4.3	TH	0825	-3.9			
JE	1851	2205	-6.1	FR	1135	1501	+7.2	SU	1315	1624	+7.0	MO	1238	+5.7	ME	1520	+3.6	TH	1420	+6.7			
7	0116	0348	+4.4	VE	1838	2154	-5.5	DI	1937	2307	-7.1	LU	1852	-6.0	WE	2027	-5.1	JE	1930	+2.5			
FR	1240	1602	+8.1	SA	1212	1535	+6.7	8	0225	0516	+6.2	22	0134	+5.7	7	0312	+6.2	22	0215	+6.5			
VE	1935	2254	-6.5	SA	1907	2225	-5.6	MO	1413	1710	+5.6	MA	1927	-4.7	TH	1655	+2.4	TH	1551	+1.9			
8	0211	0447	+4.7	23	0154	0444	+4.3	8	0312	0612	+6.4	23	0213	+5.9	8	0104	-4.3	23	0316	+6.2			
O	0739	1032	-5.7	WE	0734	1026	-3.9	O	0952	1226	-4.1	23	0854	-3.4	8	0408	+7.5	SA	1050	+5.8			
SA	1330	1653	+7.5	SU	1253	1613	+6.0	TU	1526	1817	+4.2	WE	1423	+3.5	FR	1150	-3.8	SA	1739	+2.0			
SA	2020	2348	-6.7	DI	1939	2258	-5.6	MA	2109			ME	2008	-2.7	SA	1819	+2.4	SA	2149				
9	0305	0553	+5.2	24	0230	0257	+4.7	9	0401	0040	-5.9	24	0259	+6.0	9	2253	0217	-4.0	24	0122	-4.4		
SU	0852	1137	-4.8	MO	0832	1113	-3.4	O	0410	0722	+6.4	FR	1005	+5.4	SA	0510	+5.8	SA	0429	+6.0			
DI	2106			MO	1343	1657	+5.1	WE	1109	1353	-3.7	TH	1542	-3.2	SA	1252	-4.5	SU	1158	+5.3			
10		0027	-6.6	LU	2016	2335	-5.6	ME	1656	1931	+3.2	JE	2058		SA	1922	+4.0	DI	1837	+5.2			
MO	0357	0652	+5.8	25	0310	0608	+5.1	25	2204	0132	-5.1	25	2158	0023	-5.0	10	0017	+3.8	25	2315	+2.7		
LU	1012	1245	-4.1	TU	0936	1214	-3.0	MO	0452	0826	+6.3	TH	1217	1520	-3.7	FR	1121	1413	-3.2	SA	0543	+6.5	
LU	1536	1844	-5.4	MA	2056			JE	1826	2042	+2.7	VE	1724	1944	+2.1	DI	2011	2240	+3.1	DI	1928	+3.8	
11	0446	0750	+6.3	26	0017	-5.4		26	2308	0243	-4.7	26	2158	0134	-4.8	11	0120	+4.5	26	0633	+6.3		
TU	1130	1407	-3.8	WE	0354	0706	+5.6	11	0545	0937	+6.4	26	0459	+6.2	11	0712	+5.8	26	0655	+2.9			
MA	1659	1949	-4.3	FR	1046	1325	-3.0	FR	1318	1630	-4.3	SA	1231	+3.6	MO	1427	-7.6	TU	1346	+7.0			
2243	0215	+5.9	ME	1555	1849	+3.3	VE	1937	2145	+2.6	VE	1937	+2.3	SA	1848	+2.3	MA	2051	+3.7	MA	2013	+5.0	
WE	1253	0853	+6.7	27	0443	0802	+6.0	12	0240	0342	-4.7	27	2309	0257	-5.4	12	0208	0501	-5.4	12	0136	+4.6	
WE	1327	1526	-3.8	TH	1145	1429	-3.1	12	0640	1030	+6.6	27	0606	0941	+6.6	12	0802	1144	+6.8	12	0758	+7.4	
ME	1825	2059	+3.6	JE	1725	2004	+2.8	SA	1411	1727	-4.9	SU	1330	1640	-4.3	SU	1502	1820	-5.9	WE	1429	+7.6	
2335	0303	+5.5	28	0520	0204	-5.3	SA	2031	2241	+2.8	DI	1948	2156	-3.0	MA	2125		MA	2125		ME	2057	+6.1
TH	1335	1637	-4.0	28	0536	0902	+6.4	13	0713	1121	+6.8	28	0024	+4.0	13	0002	+4.4	28	0231	+7.8			
JE	1940	2157	+3.2	WE	1851	2107	+2.7	13	0712	1040	+7.3	28	0712	+5.1	13	0249	0542	-5.9	28	0852	+8.0		
14	0029	0356	-5.3	29	0300	-5.7		13	0714	1120	-6.3	28	0845	+2.2	13	0845	+2.2	TH	1508	+7.2			
FR	0708	1049	+7.2	SA	0633	1001	+7.0	14	0213	0519	-5.6	29	0133	+7.4	14	0035	+5.0	JE	2139				
FR	1427	1737	-4.8	SA	1356	1652	-3.9	DI	0822	1210	+7.1	29	0814	+8.0	14	0326	-6.2	29	0323	+7.1			
SA	2039	2248	+3.0	SA	1958	2202	+2.9	MA	1537	1852	-5.4	29	1106	+8.8	14	0922	+6.9	FR	0941	+7.9			
15	0123	0441	-5.4	30	0025	0406	-6.4	15	0505	+3													

October-octobre

November-novembre

December-décembre

Turns		Maximum	reverse	maximum	Turns	Maximum	reverse	maximum	Turns	Maximum	reverse	maximum													
Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds										
		0152	+8.1			0132	+7.8					0305	+7.4	16	0259 +8.5										
1	0504	0807	-7.1	16	0456	0759	-6.0	1	0628	0924	-5.7	16	0613	0914	-5.1	16	0656	1002	-5.2	16	0648	0950	-5.4		
SU	1112	1356	+6.8	MO	1056	1350	+5.3	WE	1241	1504	+3.8	TH	1220	1429	+3.4	FR	1326	1541	+2.8	SA	1310	1528	+3.3		
DI	1654	2018	-7.8	LU	1624	1939	-6.8	ME	1738	2038	-6.0	JE	1707	2033	-6.3	VE	1807	2126	-5.2	SA	1805	2112	-6.3		
		2338	0234	+8.1			2305	0203	+8.0							2	0104	0349	+6.9	2	0143	0349	+6.9		
2	0555	0852	-5.5	17	0537	0839	-5.5	2	0719	1023	-5.2	17	0702	1001	-5.0	2	0742	1054	-4.9	2	0728	1054	-4.9		
MO	1159	1439	+5.9	TU	1136	1442	+4.8	TH	1341	1559	+3.0	FR	1319	1528	+2.8	SA	1428	1650	+2.6	SA	1428	1650	+2.6		
LU	1730	2056	-7.3	MA	1655	2011	-6.6	JE	1827	2155	-5.2	VE	1802	2124	-5.7	SA	1906	2210	-4.3	DI	1912	2211	-5.6		
		0016	0318	+7.8			18	0050	0421	+6.6						3	0052	0427	+6.3	18	0114	0441	+7.0		
3	0648	0945	-5.8	WE	0621	0922	-5.1	FR	0816	1123	-4.6	18	0754	1103	-5.0	3	0828	1149	-4.8	18	0821	1140	-6.0		
TU	1251	1526	+4.7	WE	1221	1441	+4.0	FR	1455	1713	+2.4	SA	1427	1643	+2.4	SA	1530	1755	+2.8	MO	1506	1741	+4.0		
MA	1810	2129	-6.5	ME	1730	2049	-6.2	VE	1926	2242	-4.3	SA	1911	2217	-5.0	DI	1917	2317	-3.4	LU	2025	2317	-4.9		
		04	0054	0405	+7.3			4	0133	0517	+6.0					4	0136	0528	+5.7						
4	0054	0405	+7.3	19	0013	0321	+7.9	4	0133	0517	+6.0	19	0126	0457	+7.3	4	0136	0528	+5.7	19	0211	0538	+7.0		
WE	1352	1619	+3.5	TH	0711	1012	-4.7	FR	0918	1232	-4.3	SA	0850	1206	-5.2	MO	0913	1243	-4.9	19	0211	0538	+7.0		
ME	1856	2226	-5.5	TH	1316	1531	+3.1	SA	1615	1826	+2.3	SU	1538	1804	+2.7	MO	1625	1854	+3.3	MO	1625	1854	+3.3		
		05	0134	0458	+6.6			5	0225	0621	+5.4					5	0230	0620	+5.0						
5	0134	0458	+6.6	20	0054	0411	+7.4	5	0225	0621	+5.4	20	0228	0603	+6.7	5	0230	0620	+5.0	20	0317	0640	-4.2		
TH	1511	1734	+2.6	FR	0809	1109	-4.4	MO	1019	1344	-4.3	MO	0948	1310	-5.5	MA	1709	1949	+4.1	ME	1000	1328	-6.4		
JE	1953	2325	-4.5	VE	1428	1641	+2.2	SU	1720	1932	+2.7	MO	1641	1917	+3.6	MA	1709	1949	+4.1	WE	1000	1328	-6.4		
		06	0221	0600	+5.9			6	0329	0734	+5.1					6	0340	0720	+4.4						
6	0221	0600	+5.9	21	0144	0512	+6.9	6	0329	0734	+5.1	21	0051	-4.3	6	0340	0720	+4.4	6	0340	0720	+4.4			
FR	1643	1851	+2.2	SA	1056	1810	+1.9	MO	1112	1443	-4.7	MO	1112	1443	-4.7	MA	1735	2020	+4.6	MA	1735	2020	+4.6		
VE	2107			SA	2028	2337	-4.2	MA	1809	2047	+3.5	MA	1735	2020	+4.6	ME	1747	2050	+5.0	ME	1747	2050	+5.0		
		07	0319	0705	-3.8			7	0443	0839	-3.1					7	0022	0230	-2.9						
7	0319	0705	-3.8	22	0248	0624	+6.4	7	0443	0839	-3.1	22	0238	0602	-4.6	7	0022	0230	-2.9	7	0022	0230	-2.9		
SA	1111	1431	-3.9	TU	1020	1339	-4.6	TU	1157	1529	-5.2	WE	1134	1502	-6.4	TH	1181	1452	-5.3	TH	1181	1452	-5.3		
SA	1758	2002	-3.3	DI	2156			MA	1848	2141	+4.5	WE	1823	2121	-5.8	TH	1812	2129	+5.8	TH	1812	2129	+5.8		
		08	0427	0832	+5.4			8	0052	0317	-3.6					8	0111	0338	-3.5						
8	0427	0832	+5.4	23	0403	0741	+6.2	8	0052	0317	-3.6	23	0029	0316	-5.0	8	0111	0338	-3.5	8	0111	0338	-3.5		
SU	1211	1537	-4.7	MO	1112	1443	-5.1	WE	1235	1606	-5.6	TH	1221	1550	-6.8	FR	1158	1532	-5.5	FR	1158	1532	-5.5		
DI	1853	2121	+2.9	MO	1810	2042	+3.6	ME	1921	2217	+5.5	JE	1908	2216	+6.9	SA	1927	2212	+6.6	SA	1927	2212	+6.6		
		09	0100	0246	-3.8			9	0138	0411	-4.3					9	0152	0434	-4.1						
9	0100	0246	-3.8	24	0521	0852	+6.5	9	0138	0411	-4.3	24	0129	0422	-5.4	9	0152	0434	-4.1	9	0152	0434	-4.1		
MO	1300	1626	-5.3	TU	1217	1541	-5.9	TH	1308	1643	-5.9	FR	1324	1633	-7.1	SA	1237	1607	-5.8	SA	1237	1607	-5.8		
LU	1936	2217	+3.8	MA	1859	2141	+4.9	JE	1951	2255	+6.5	VE	1952	2302	+7.9	SA	1933	2248	+7.3	DI	2002	2328	+7.7		
		10	0111	0349	-4.4			10	0217	0500	-4.9					10	0232	0520	-4.6						
10	0111	0349	-4.4	25	0034	0325	-5.8	10	0217	0500	-4.9	25	0222	0517	-5.7	10	0232	0520	-4.6	10	0232	0520	-4.6		
MO	0641	1026	+5.9	WE	0634	1000	+6.8	10	0217	0500	-4.9	10	0217	0500	-4.9	10	0232	0520	-4.6	10	0232	0520	-4.6		
TU	1339	1703	-5.8	WE	1304	1628	-6.6	10	0759	1051	+5.0	10	0826	1058	+5.3	10	0823	1046	+3.7	10	0823	1046	+3.7		
MA	2011	2256	+4.7	VE	1943	2234	+6.1	10	1339	1658	-6.1	SA	1347	1714	-7.2	SU	1316	1651	-6.2	SU	1316	1651	-6.2		
		11	0157	0439	-5.0			11	0252	0545	-5.4					11	0313	0614	-5.0						
11	0157	0439	-5.0	26	0134	0432	-6.4	11	0252	0545	-5.4	26	0311	0617	-6.0	11	0313	0614	-5.0	11	0313	0614	-5.0		
WE	1412	1733	-6.0	TH	1347	1710	-7.2	SA	1409	1734	-6.4	SA	1428	1754	-7.2	SA	1356	1730	-6.6	SA	1356	1730	-6.6		
ME	2042	2334	+5.6	VE	2026	2319	+7.3	SA	2053			DI	2114			DI	2012	2331	+7.8	DI	2012	2331	+7.8		
		12	0236	0523	-5.6			12	0327	0624	-5.7					12	0009	+8.2							
12	0236	0523	-5.6	27	0227	0528	-6.8	12	0327	0624	-5.7	27	0358	0706	-6.1	12	0009	+8.2	12	0355					

July-juillet

August-août

September-septembre

Turns				reverso				Turns				reverso				Turns				reverso													
Day	Time	Maximum	Time	Knobs	jour	heure	maximum	heure	nœuds	Day	Time	Maximum	Time	Knobs	jour	heure	maximum	heure	nœuds	Day	Time	Maximum	Time	Knobs	jour	heure	maximum	heure	nœuds				
1	0154	0507	-6.6			0021	+4.4			1	0326	0634	-5.9			0130	+5.6			1	0507	0200	+9.0			16	0519	0209	+7.8				
SA	0824	1155	+9.5			16	0307	0611	-5.8			1	0326	0634	-5.9			16	0424	0717	-6.4			1	0507	0803	-8.3			16	0519	0810	-6.6
SA	1543	1828	-5.4			SU	0917	1300	-9.2			TU	0943	1315	-7.6			WE	1015	1342	+9.2			FR	1104	1420	+11.1			SA	1102	1413	+8.5
SA	2122	2353	+5.1			DI	1637	1939	-5.6			MA	1654	1948	-6.3			ME	1719	2018	-5.7			VE	1741	2041	-8.0			SA	1730	2025	-6.6
2	0243	0555	-7.0			22	2235	0108	+4.7			2	2246	0127	+6.7			2	2318	0204	+6.1			2	2347	0246	+9.6			2	2346	0240	+8.2
0	0911	1241	+10.2			17	0351	0656	-6.0			2	0422	0725	-8.1			17	0459	0752	-6.6			2	0557	0852	-8.0			17	0554	0837	+6.4
SU	1628	1914	-5.8			MO	0957	1332	+9.3			WE	1032	1400	+1.4			TH	1048	1416	+9.3			SA	1149	1501	+10.4			SU	1137	1441	+8.0
DI	2212					LU	1714	2013	-5.7			ME	1735	2032	-6.8			JE	1746	2043	-5.8			SA	1818	2120	-8.1			DI	1757	2049	-6.9
3	0048	+5.5				18	0431	0732	-6.3			3	0516	0815	-8.2			18	0536	0827	-6.5			3	0649	0938	-7.3			18	0005	0312	+8.4
MO	0958	1327	+10.7			TU	1033	1410	+9.4			TH	1119	1444	+1.5			FR	1120	1444	+9.1			SU	1235	1544	+9.2			MO	1214	1512	+7.1
LU	1712	1956	-6.2			MA	1748	2045	-5.7			WE	1815	2115	-7.3			VE	1813	2109	-6.1			DI	1856	2159	-7.7			LU	1825	2115	-6.9
4	2301	0137	+5.9			19	0509	0808	-6.4			4	0017	0308	-8.0			19	0017	0303	-6.7			4	0111	0421	+9.7			19	0036	0346	+8.5
TU	0426	0733	-7.7			WE	1107	1441	+9.5			FR	1206	1528	+11.1			SA	1154	1512	+8.8			MO	1326	1626	+7.6			TU	1255	1547	+6.4
SA	1757	2051	-6.1			ME	1821	2117	-5.7			VE	1856	2158	-7.6			SA	1840	2135	-6.3			LU	1937	2242	-7.0			MA	1856	2147	-6.8
5	2350	0229	+6.2			20	0022	0256	+5.3			5	0103	0359	-8.4			20	0048	0338	-6.9			5	0155	0505	+9.3			20	0111	0426	+8.5
WE	0520	0824	-7.7			MO	0548	0845	-6.3			5	0705	0959	-7.3			20	0653	0935	-5.7			MA	0828	1140	-5.6			20	0802	1057	-4.9
WE	1133	1500	+11.2			TH	1141	1512	+9.3			SA	1253	1613	+10.2			SU	1231	1543	+8.2			MA	1423	1729	+5.8			WE	1343	1628	+5.2
ME	1842	2139	-6.8			JE	1852	2148	-5.9			SA	1937	2242	-7.6			DI	1908	2203	-6.4			MA	2020	2330	-6.0			ME	1932	2225	-6.3
6	0041	0323	+6.5			21	0057	0339	+5.4			6	0150	0448	-8.6			21	0120	0424	-7.0			6	0242	0160	+8.5			21	0151	0514	+8.2
MO	0616	0917	-7.5			MO	0629	0916	-5.9			8	0805	1056	-6.4			21	0737	1023	-5.1			7	0202	1242	-4.6			21	0902	1156	-4.3
TH	1221	1549	+11.0			WE	1215	1544	-9.0			SU	1344	1654	+8.8			MO	1311	1618	+7.3			ME	1537	1836	+4.3			TH	1441	1732	+3.9
FR	1928	2221	-7.0			VE	1923	2220	-5.9			DI	2020	2327	-7.2			LU	1939	2234	-6.4			WE	2112	2417	-6.3			FR	2016	2315	-5.9
7	0132	0420	-6.7			22	0133	0424	+5.5			7	0238	0545	-8.6			22	0156	0505	-7.1			7	0202	1240	-4.9			22	0241	0613	+7.7
FR	1511	1013	-7.0			MO	0713	1002	-5.3			7	0913	1201	-5.5			22	0828	1119	-4.4			TH	1121	1406	-3.9			FR	1017	1304	-3.9
VE	1311	1639	+10.4			SA	1252	1618	+8.4			MO	1441	1756	+7.1			MA	1356	1658	+6.1			TH	1712	1947	+3.3			FR	1557	1835	+2.9
FR	2104	2314	-7.2			SA	1954	2253	-5.9			LU	2105					MA	2014	2310	-6.1			FR	2111	2417	+3.3			VE	2115		
8	0226	0517	+7.1			23	0210	0510	+5.6			8	0016	-6.6				23	0237	0553	+7.2			8	0140	0140	-4.1			23	0022	-4.7	
SA	0820	1110	-6.3			MO	0802	1054	-4.6			8	0329	0641	+8.4			23	0930	1221	-3.8			8	0440	0836	+7.0			23	0344	0727	+7.3
SA	1404	1732	+9.5			SU	1333	1656	+7.5			TU	1030	1308	-4.5			WE	1452	1748	+4.7			VE	1235	1539	-3.9			SA	1137	1420	-3.9
SA	2102					DI	2028	2329	-5.9			MA	1550	1903	+5.4			ME	2054	2355	-5.7			VE	1848	2158	+3.0			SA	1729	2007	+3.0
9	0003	-7.1				24	0250	0556	+5.8			9	2155	0111	-5.7			24	0324	0650	-7.1			9	2346	0307	-4.0			24	2232	0150	-4.3
9	0320	0618	+7.4			MO	0859	1152	-4.0			WE	0424	0756	+8.0			24	1045	1330	-3.4			9	0549	0952	+7.1			24	0457	0843	+7.5
SU	0932	1220	-5.5			MO	1419	1739	+6.5			WE	1150	1426	-3.9			TH	1601	1853	+3.5			SA	1338	1646	-4.4			SA	1248	1535	-4.4
DI	1503	1828	+8.2			LU	2104					ME	1716	2014	+4.1			JE	2144					SA	1947	2127	+3.4			DI	1849	2125	+3.9
10	0053	-6.8				25	0008	-5.8				10	2252	0214	-5.0			25	0052	-5.2				10	0108	0405	-4.5			25	0002	0323	-5.1
MO	0414	0719	+7.7			TU	0333	0643	+6.1			10	0522	0908	+7.7			25	0420	0757	+7.2			10	0656	1053	+7.6			25	0613	0959	+8.3
MO	1051	1331	-4.7			WE	1030	1256	-3.5			TH	1304	1559	-3.9			FR	1206	1444	-3.4			SU	1428	1738	-5.1			MO	1345	1642	-5.3
LU	1610	1935	+6.7			MA	1515	1830	+5.3			JE	1848	2123	+3.5			VE	1727	2014	+3.1			DI	2034	2314	+4.2			LU	1947	2221	+5.3
11	0152	-6.4				26	0149	0735	-6.5			11	2359	0323	-4.8			26	0208	0205	-4.8			11	0208	0432	-5.0			26	0123	0421	-6.2
11	0508	0822	-8.0			WE	1129	1402	-3.3			11	0622	1025	+7.9			26	0524	0911	+7.5			11	0754	1141	+8.1			26	0723	1056	-9.2
TU	1209	1448	-4.3			ME	0417	1706	-4.4			FR	1407	1706	-4.4			SA	1318	1554	-3.9			MO	1509	1818	-5.5			TU	1431	1732	-6.2
LU	1728	2042	+5.5			ME	1623	1928	+4.3			VE	2003	2226	+3.5			SA	1855	2139	+3.5			LU	2112	2358	+5.0			MA	2034	2324	+6.9
12	2332	0252	-6.0			27	0111	0426	-5.4			12	0111	0426	-5.4			27	2359	0327	-5.2			12	0255	0545	-5.5			27	0227	0524	-7.1
WE	0602	0930	+8.2			TH	0510	0831	+7.0			12	0721	1116	+8.2			27	0632	1012	+8.3			12	0840	1219	+8.4			27	0823	1141	+9.9
WE	1320	1605	-4.3			TH	1237	1511	-3.4			SA	1458	1803	-5.0			SU	1417	1704	-4.6			TU	1543	1850	-5.8			WE	1512	1813	-7.0
ME	1851	2147	+4.6			JE	1742	2040	+3.8			SA	2057	2329	+3.9			DI	2003	2235	+4.5			MA	2144					ME	2116		
13	0027	0349	-5.7			28	0123	0520	-5.2			13	0815	1205	+8.6			28	0111	0430	+6.1			13	0035	0035	+5.9			28	0012	+8.3	
13	0655	1041	+8.5			FR	0603	0941	+7.7			13	0815	1205	+8.6			28	0738	1120	+9.3			13	0335	0624	-6.1			28	0320	0616	-7.8
TH	1422	1715	-4.7			FR	1343	1616	-3.9			SU	1540	1846	-5.4			28	1505	1757	-5.4			13	0920	1251	+8.6			28	0915	1233	+10.3
JE	2005	2247	+4.2			VE	1903	2155	+3.8			DI																					

October-octobre						November-novembre						December-décembre																												
Turns	Maximum	reverse		maximum		Turns	Maximum	reverse		maximum		Turns	Maximum	reverse		maximum																								
Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds																	
		0222	+10.8			0209	+9.5			0320	+10.4			0256	+10.5			0100	0341	+9.7			16	0006	0332	+10.8														
SU	0542	0834	-7.8	MO	0535	0833	-6.7	WE	1071	1001	-6.9	16	0642	0937	-6.5	FR	1072	1028	-6.5	16	0718	1017	-6.9																	
SU	1134	1434	+8.8	MO	1122	1413	+6.9	WE	1305	1547	+5.1	TH	1241	1514	+4.9	FR	1347	1616	+4.3	SA	1327	1602	+5.3																	
DI	1739	2040	+8.2	LU	1716	2008	-7.3	ME	1822	2127	-6.2	JE	1759	2058	-6.9	VE	1845	2147	-5.6	SA	1848	2149	-6.8																	
	2353	0304	+10.8		2328	0241	+9.7		2	0037	0405	+9.6		17	0017	0341	+10.1		2	0409	0424	+8.8		17	0055	0422	+10.3													
	0630	0933	-7.4		0613	0911	-6.4		2	0753	1046	-6.2		2	0814	1117	-6.1		2	0814	1117	-6.1		17	0807	1109	-7.0													
MO	1221	1517	+7.6	TU	1202	1447	+6.3	TH	1404	1642	+4.2	FR	1336	1608	+4.3	SA	1443	1711	+3.9	SA	1423	1657	+5.4																	
LU	1816	2118	-7.5	MA	1747	2038	-7.2	JE	1907	2210	-5.3	VE	1849	2150	-6.2	SA	1938	2245	-4.8	DI	1952	2250	-6.1																	
	3	0031	0348	+10.3		18	0000	0316	+9.8		3	0119	0456	+8.5		18	0104	0434	+9.6		3	0131	0511	+7.9		18	0148	0517	+9.5											
	0722	1024	-6.7		0654	0953	-6.0		0851	1150	-5.5		0828	1127	-5.9		3	0902	1209	-5.7		3	0857	1204	-7.0		MO	1521	1807	+5.9										
TU	1313	1606	+6.1	WE	1246	1525	+5.4	FR	1514	1742	+3.5	SA	1440	1709	+4.0	DI	1542	1809	+3.7	SA	1502	1839	+3.7	SA	1521	1807	+5.9													
MA	1856	2200	-6.5	ME	1821	2114	-6.8	VE	2003	2319	-4.3	SA	1951	2253	-5.4	SU	2044	2349	-3.9	LU	2105	2353	-5.4																	
	4	0112	0436	+9.5		19	0037	0358	+9.5		4	2008	0554	+7.4		19	0201	0535	+8.8		4	0219	0559	+6.8		19	0248	0617	+8.5											
	0820	1115	-9.5		0744	1041	-5.5		0954	1254	-4.9		0929	1232	-5.8		4	0905	1304	-5.4		4	0949	1300	-7.1		MO	1521	1807	+5.9										
WE	1413	1706	+4.7	TH	1337	1612	+4.4	SA	1630	1845	+3.1	SU	1550	1829	+4.2	DI	1640	1909	+4.0	MO	1640	1909	+4.0	MO	1640	1909	+4.0	MO	1640	1909	+4.0									
ME	1940	2248	-5.4	JE	1902	2158	-6.1	SA	2119			DI	2109			MO	1640	1909	+4.0	MO	1640	1909	+4.0	MO	1640	1909	+4.0	MO	1640	1909	+4.0									
	5	0158	0531	+8.4		20	0120	0448	+8.9		5	0031	-3.6		20	0004	-4.8		5	0314	0076	-3.3		5	0113	-5.0		5	0113	-5.0										
	0928	1219	-5.0		0844	1136	-5.0		5	0305	0653	+6.5		5	0306	0644	+8.1		5	0314	0707	+6.0		5	0314	0707	+6.0		5	0314	0707	+6.0								
TH	1529	1810	+3.6	FR	1441	1715	+3.4	SU	1055	1406	-4.6	MO	1029	1338	-6.0	TU	1038	1358	-5.3	WE	1038	1358	-5.3	WE	1038	1358	-5.3	WE	1038	1358	-5.3	WE	1038	1358	-5.3					
FR	2034	2351	-4.3	VE	1955	2256	-5.2	DI	1738	2002	+3.3	DI	1738	2002	+3.3	DI	1731	2019	+4.6	DI	1731	2019	+4.6	DI	1731	2019	+4.6	DI	1731	2019	+4.6	DI	1731	2019	+4.6					
	6	0251	0637	+7.3		21	0215	0550	+8.2		6	0412	0808	+6.0		21	0238	0614	+7.7		6	0422	0812	+5.4		6	0238	0614	+7.7		6	0238	0614	+7.7						
	0620	0943	-4.3		0954	1250	+4.7		6	0412	0808	+6.0		21	0419	0756	+7.8		6	0422	0812	+5.4		6	0422	0812	+5.4		6	0422	0812	+5.4		6	0422	0812	+5.4			
FR	1701	1918	+2.9	SA	1601	1841	+3.1	MO	1152	1506	-4.8	MO	1126	1442	-6.5	WE	1126	1448	-5.4	WE	1126	1448	-5.4	WE	1126	1448	-5.4	WE	1126	1448	-5.4	WE	1126	1448	-5.4	WE	1126	1448	-5.4	
VE	2150			SA	2107			LU	1831	2113	+4.1	MA	1755	2048	+6.3	MA	1755	2048	+6.3	MA	1755	2048	+6.3	MA	1755	2048	+6.3	MA	1755	2048	+6.3	MA	1755	2048	+6.3	MA	1755	2048	+6.3	
	7	0354	0755	-3.6		22	0322	0706	+7.6		7	0527	0917	-3.5		22	0003	0250	-5.1		7	0050	0306	-3.4		7	0050	0306	-3.4		7	0050	0306	-3.4		7	0050	0306	-3.4	
SA	1152	1455	-4.1	DI	1106	1407	-4.8	DI	1242	1559	-5.2	WE	1219	1534	-7.0	TH	1211	1534	-5.7	TH	1211	1534	-5.7	TH	1211	1534	-5.7	TH	1211	1534	-5.7	TH	1211	1534	-5.7	TH	1211	1534	-5.7	
SA	1819	2040	+3.0	SU	1722	2004	+3.7	MA	1914	2210	+5.2	ME	1846	2147	+7.8	FR	1854	2209	+6.6	FR	1854	2209	+6.6	FR	1854	2209	+6.6	FR	1854	2209	+6.6	FR	1854	2209	+6.6	FR	1854	2209	+6.6	
	8	0508	0909	-6.6		23	0438	0825	+7.6		8	0126	0355	-4.0		23	0113	0400	-5.6		8	0144	0407	-4.1		8	0144	0407	-4.1		8	0144	0407	-4.1		8	0144	0407	-4.1	
SU	1253	1607	+6.4	MO	1210	1517	-5.4	WE	0638	1007	+6.1	TH	1307	1622	-7.4	TH	1307	1622	-7.4	TH	1307	1622	-7.4	TH	1307	1622	-7.4	TH	1307	1622	-7.4	TH	1307	1622	-7.4	TH	1307	1622	-7.4	
DI	1916	2153	+3.7	LU	1828	2110	+5.0	ME	1949	2255	+6.4	JE	1933	2242	-9.1	JE	1933	2242	-9.1	JE	1933	2242	-9.1	JE	1933	2242	-9.1	JE	1933	2242	-9.1	JE	1933	2242	-9.1	JE	1933	2242	-9.1	
	9	0054	0329	+4.0		24	0009	0309	+5.2		9	0214	0449	-4.7		24	0212	0511	-6.2		9	0229	0504	-4.9		9	0229	0504	-4.9		9	0229	0504	-4.9		9	0229	0504	-4.9	
	0621	1020	+6.7		0556	0939	+8.2		0738	1052	+6.3		0753	1058	+7.1		24	0212	0511	-6.2		9	0229	0504	-4.9		9	0229	0504	-4.9		9	0229	0504	-4.9		9	0229	0504	-4.9
MO	1343	1656	-5.2	TU	1304	1612	-6.3	TH	1400	1712	-6.1	FR	1352	1705	-7.6	FR	1352	1705	-7.6	FR	1352	1705	-7.6	FR	1352	1705	-7.6	FR	1352	1705	-7.6	FR	1352	1705	-7.6	FR	1352	1705	-7.6	
LU	1959	2248	+4.7	MA	1920	2215	+6.6	JE	2021	2333	+7.6	VE	2016	2331	-10.1	VE	2016	2331	-10.1	VE	2016	2331	-10.1	VE	2016	2331	-10.1	VE	2016	2331	-10.1	VE	2016	2331	-10.1	VE	2016	2331	-10.1	
	10	0152	0432	+4.6		25	0122	0409	-6.1		10	0255	0330	-5.5		25	0303	0600	-6.7		10	0310	0557	-5.7		10	0310	0557	-5.7		10	0310	0557	-5.7		10	0310	0557	-5.7	
	0723	1109	+7.2		0707	1034	+8.7		10	0826	1132	+6.5		25	0851	1145	+6.8		10	0847	1136	+5.1		10	0847	1136	+5.1		10	0847	1136	+5.1		10	0847	1136	+5.1			
TU	1423	1735	-5.6	WE	1351	1659	-7.1	FR	1433	1742	-6.4	SA	1435	1746	-7.7	SA	1435	1746	-7.7	SA	1435	1746	-7.7	SA	1435	1746	-7.7	SA	1435	1746	-7.7	SA	1435	1746	-7.7	SA	1435	1746	-7.7	
MA	2035	2331	+5.8	ME	2005	2308	+8.2	VE	2051			11	0007	+8.6		25	0851	1145	+6.8		10	0847	1136	+5.1		10	0847	1136	+5.1		10	0847	1136	+5.1		10	0847	1136	+5.1	
	11	0238	0520	-5.3		26	0220	0505	-6.8		11	0332	0618	-6.1		26	0350	0650	-7.1		11	0349	0615	+9.5		11	0349	0615	+9.5		11	0349	0615	+9.5		11	0349	0615	+9.5	
WE	1457	1805	-5.9	TH	1433	1740	-7.6	SA	0910	1208	+6.5	SA	0914	1230	+6.4	DI</																								

July-juillet

August-août

September-septembre

Turns				reversed				Turns				reversed				Turns				reversed							
Day	Time	Maximum	Knots	jour	heure	maximum	nœuds	Day	Time	Maximum	Knots	jour	heure	heure	nœuds	Day	Time	Maximum	Knots	jour	heure	heure	nœuds				
1	0016	0445	-5.7	16	0050	0550	-5.2	1	0100	0010	+0.5	16	0002	0104	+0.5	1	0202	+2.4		16	0216	+2.8					
	0904	1145	+4.7		0956	1342	+4.5		1	1000	0606	-6.7		0229	0648	-5.0		1	0420	0736	-5.7		16	0452	0800	-4.4	
SA	1552	1903	-2.8	SU	1645	2032	-3.5	TU	1011	1300	+5.3	WE	1047	1444	+4.4	FR	1123	1452	+5.0	SA	1135	1453	+3.4	SA	1135	1453	+3.4
SA	2228	2344	+0.8	DI	2342			MA	1657	2044	-4.0	ME	1716	2119	-3.9	VE	1722	2114	-5.3	SA	1706	1952	-4.2	SA	1706	1952	-4.2
	2052	0531	-6.3		0031	+0.4		2	0005	0102	+0.6		17	0031	0151	+0.8		2	0038	0257	+3.1		17	0031	0150	+3.2	
2	0948	1227	+5.1	17	0123	0628	-5.3	2	0204	0654	-6.8	17	0333	0727	-4.9	2	0521	0836	-5.2	17	0532	0845	-3.9				
SU	1639	2001	-3.1	MO	1032	1423	+4.4	WE	1054	1403	+5.4	TH	1120	1515	+4.2	SA	1213	1535	+4.7	SU	1212	1514	+3.0				
DI	2323			LU	1719	2109	-3.7	ME	1733	2124	-4.6	JE	1741	2140	-3.9	SA	1756	2146	-5.2	DI	1726	2001	-4.5				
	0027	+0.7		18	0112	*		3	0051	0159	+0.8	18	0101	0237	+1.1	3	0119	0348	+3.5	18	0043	0324	+3.5				
MO	0129	0619	-6.7		0707	-5.4		3	0320	0743	-6.5		0427	0805	-4.7		0620	0946	-4.7		0613	0934	-3.6				
LU	1724	2051	-3.5	TU	1107	1506	+4.4	TH	1139	1516	+5.5	FR	1152	1540	+4.0	SU	1307	1616	+4.0	MO	1254	1536	+2.4				
	0021	0113	+0.5	MA	1753	2143	-3.8	JE	1809	2203	-4.9	VE	1804	2151	-3.8	DI	1828	2221	-5.0	LU	1745	2025	-4.7				
4	0021	0113	+0.5	19	0200	*		4	0137	0306	+1.1	19	0130	0321	+1.4	4	0202	0436	+3.7	19	0113	0401	+3.7				
TU	1114	1358	+5.6		0746	-5.3		0444	0835	-5.9		0517	0845	-4.3		0723	1055	-4.1		0659	1028	-3.2					
MA	1808	2140	-4.0	WE	1140	1543	+4.4	FR	1226	1607	+5.3	SA	1226	1601	+3.7	MO	1407	1656	+3.1	TU	1344	1603	+1.8				
	0204	*		ME	1824	2214	-3.9	VE	1845	2242	-5.1	SA	1827	2130	-3.9	LU	1859	2302	-4.8	MA	1802	2057	-4.8				
5	0204	*		20	0245	*		5	0222	0413	+1.6	20	0159	0404	+1.7	5	0250	0524	+3.8	20	0148	0440	+3.8				
WE	1157	1452	+5.7		0824	-5.1		0603	0934	-5.1		0607	0928	-3.7		0837	1201	-3.5		0757	1125	-2.8					
ME	1850	2229	-4.4	TH	1213	1614	+4.3	SA	1317	1652	+4.8	SU	1303	1618	+3.3	TU	1516	1738	+2.0	WE	1447	1636	+1.0				
	0259	*		JE	1855	2242	-3.8	SA	1921	2323	-5.0	DI	1849	2126	-4.1	MA	1926	2349	-4.6	MA	1815	2135	-4.8				
6	0259	*		21	0339	*		6	0307	0513	+2.1	21	0229	0444	+2.1	6	0341	0617	+3.6	21	0232	0525	+3.8				
TH	1242	1609	+5.6		0903	-4.6		0718	1047	-4.2		0659	1021	-3.1		0510	1312	-2.9		0914	1229	-3.5					
JE	1931	2320	-4.7	FR	1247	1640	+4.2	SU	1415	1737	+4.1	MO	1346	1641	+2.7	WE	1646	1826	+0.9	TH	1722	*					
	0416	*		VE	1923	2308	-3.8	LU	1956			LU	1910	2150	+4.3	FR	1946			JE	2224	-4.7					
7	0416	*		22	0437	*		7	0006	-4.9	22	0259	0526	+2.5	7	0042	-4.4		22	0326	0618	+3.8					
FR	1331	1719	+5.4		0944	-4.0		0353	0608	+2.6		0759	1129	-2.6		0436	0730	+3.4		0326	0618	+3.8					
VE	2011			SA	1322	1701	+3.9	MO	0839	1213	-3.4	TU	1438	1712	-1.9	TH	1130	1434	-2.5	FR	1038	1344	-2.4				
	0010	-4.9		SA	1950	2330	-3.8	LU	1520	1822	+3.1	MA	1930	2222	+4.4	JE	1923	*-5.7		JE	1827	-0.7					
8	0435	0538	+0.4	23	0415	0530	+0.6	8	0053	-4.7	23	0336	0610	+2.8	8	0140	-4.2		23	0326	0618	+3.8					
SA	0639	1043	-4.7		0645	1031	-3.3		0441	0705	+2.9		0915	1243	-2.2		0534	0935	+3.6		1152	1513	-2.5				
SA	1426	1813	+4.8	SU	1401	1725	+3.4	MA	1015	1332	-2.8	WE	1545	1753	+1.1	FR	1244	1621	-2.6	SA	2004	-1.0					
20	0435	0538	+0.4	DI	2016	2343	-3.9	MA	1637	1911	+2.0	ME	1947	2303	-4.4	SA	2035	-0.5		24	0143	-4.4					
9	0507	0646	+1.3	24	0438	0618	+1.1	9	0259	0142	-4.6	24	0421	0659	+3.0	9	0239	-4.1		24	0143	-4.4					
MO	1428	1206	-3.6		0803	1137	-2.5		0531	0813	+3.2		1051	1355	-2.0		0633	1039	+4.0		0534	0855	+4.0				
DI	1529	1903	+4.0	MO	1448	1759	+2.8	WE	1152	1448	-2.4	TH	1840	*		SA	1343	1747	-3.1		0534	0855	+4.0				
2126	0151	-4.9		LU	2041	2343	-4.0	ME	1816	2004	+1.1	JE	2356	-4.4	SA	2141	-0.4	DI	2119	-0.6		0534	0855	+4.0			
MO	0543	0747	+2.1	25	0504	0705	+1.8	10	2127	0232	-4.5	25	0515	0758	+3.3	10	0101	-0.4		25	0258	-4.6					
LU	1641	1954	+3.1	TH	0929	1259	-2.0	TH	0623	0950	+3.5	25	1219	1508	-2.0	SA	0731	1129	+4.2		0639	1019	+4.5				
	0238	-4.8		TU	1546	1844	+2.0	JE	2001	2059	+4.0	VE	2015	-0.3	SU	1429	1838	-3.6	MO	1340	1746	-3.8					
11	0623	0849	-2.9	MA	2105			11	0716	1105	+3.9	26	0614	0906	+3.6	DI	2245	*		LU	2136	2202	+0.3				
TU	1159	1501	-2.6	26	0535	0752	+2.4		11	0716	1105	+3.9	26	0614	0906	+3.6	DI	2245	*		2307	0359	-4.9				
MA	1806	2044	+2.3	WE	1111	1414	-1.9	FR	1417	1757	-2.6	26	0614	0906	+3.6	DI	2245	*		26	0741	1113	+4.8				
2236	0322	-4.8		ME	1702	1942	-1.2	VE	2154	*		SA	2123	-0.4	DI	2227	2334	+0.5		26	0741	1113	+4.8				
12	0706	0958	-3.5	27	0612	0107	-4.3	12	0806	1159	+4.2	27	0714	1016	+4.1	12	0118	0512	-4.3		27	0838	1201	-4.9			
WE	1323	1619	-2.5	TH	1242	1520	-1.9	SA	1507	1859	-3.1	SU	1421	1811	-2.8	12	0908	1254	+4.3		27	0838	1201	-4.9			
ME	1936	2133	+1.6	JE	1855	2044	+0.7	SA	2256	*		DI	2220	*		12	1536	1947	-4.1		27	0838	1201	-4.9			
2310	0401	-4.9		28	0658	0237	-4.7		2015	-4.7		28	0810	1118	+4.6	MA	2244	*		ME	2209						
TH	0750	1108	+4.0		0938	0937	+3.5	13	0853	1248	+4.4	28	0810	1118	+4.6	13	0235	0023	+1.2		28	0242	0548	-5.1			
JE	1429	1745	-2.5	FR	1358	1628	-2.0	SU	1547	1943	-3.5	28	0810	1118	+4.6	13	0235	0023	+1.2		28	0242	0548	-5.1			
SA	2052	2221	+1.1	VE	2045	2140	+0.3	LU	2332	*		28	0810	1118	+4.6	13	0235	0023	+1.2		28	0242	0548	-5.1			
2343	0438	-5.0		29	0748	0336	-5.2	14	0934	1329	-4.9	29	0003	0503	-6.0	14	0327	0605	+1.8		29	0344	0645	-5.1			
14	0834	1207	+4.3		0532	1020	+4.0	MO	1620	2020	-3.8	29	0901	1215	+5.0	14	0327	0605	+1.8		29	0344	0645	-5.1			
FR	1522	1857	-2.8	SA	1447	1748	-2.3	LU	2333			TU	1541	1941	-4.2	14	0327	0605	+1.8		29	0344	0645	-5.1			
VE	2155	2306	+0.8	SA	2232	*		15	0019	+0.3	30	0139	0553	-6.1	14	0327	0605	+1.8		29	0344	0645	-5.1				
	0017	0513	-5.1	30	0838	1121	+4.5	15	0116	0609	+5.0	30	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			
SA	1606	1949	-3.2	SU	1535	1910	-2.8	TU	1012	1410	+4.4	30	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			
SA	2251	2349	+0.6	DI	2238	2321	+0.3	MA	1649	2052	-3.9	30	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			
	0003	0518	-6.4	31	0003	0518	-6.4					31	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			
	0926	1210	+4.9		0926	1210	+4.9					31	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			
	1618	2002	-3.4		2002	-3.4						31	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			
	2321				2321							31	0139	0553	-6.1	15	0411	0718	-4.4		30	0312	0419	+4.4			

October-octobre

November-novembre

December-décembre

Turns		Maximum		renverse		maximum		Turns		Maximum		renverse		maximum		Turns		Maximum		renverse		maximum															
Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds														
		0232	+4.9			0213	+4.9			1	0025	0317	+5.7			0254	+5.9			1	0030	0324	+5.6														
1	0527	0853	-4.9	16	0531	0853	-3.9			1	0707	1021	-4.3			16	0659	1007	-3.8			1	0737	1046	-4.2												
SU	1204	1458	+3.8	MO	1205	1429	+2.2			WE	1358	1535	+1.3			TH	1401	1503	+0.5			FR	1550	*			16	0731	1043	-4.3							
DI	1705	2028	-5.4	LU	1624	1916	-5.2			ME	1701	2119	-5.2			JE	1601	2028	-5.9			VE	2135	+4.9			SA	1537	*								
2	0027	0313	+5.0			2351				2	0106	0358	+5.3			17	0040	0338	+5.8			2	0109	0408	+5.1			17	0106	0411	+6.1						
MO	0619	0948	-4.6	17	0611	0936	-3.8			2	0804	1112	-4.0			17	0753	1058	-3.7			2	0822	1137	-4.1			SU	0815	1139	-4.5						
LU	1259	1536	+3.1	TU	1253	1458	+1.7			TH	1524	1617	+0.4			FR	1548	*				SA	1651	-0.5			SA	1637	-0.8								
LU	1735	2112	-5.2	MA	1643	1947	-5.4			JE	1708	2207	-4.8			VE	2126	-5.6				SA	2222	-4.2			DI	2217	-5.1								
3	0108	0355	+4.9			18	0025	0323	+5.1			3	0149	0443	+4.8			18	0126	0427	+5.6			3	0151	0500	+4.5			18	0156	0515	+5.6				
0717	1042	-4.2				0659	1022	-3.5			0902	1213	-3.6			18	0848	1202	-3.7			3	0906	1238	-3.9			MO	0857	1240	-4.7						
TU	1401	1614	+2.2	WE	1352	1530	+1.0			FR	1712	-0.5				SA	1653	-0.9				SU	1817	-0.5			MO	1725	1826	+0.4							
MA	1759	2201	-4.9	ME	1657	2025	-5.4			VE	2258	-4.2				SA	2226	-5.1				DI	2317	-3.3			LU	1827	2323	-4.0							
4	0153	0439	+4.7			19	0105	0405	+5.0			4	0238	0538	+4.2			19	0218	0524	+5.3			4	0238	0640	+4.0			19	0254	0640	+4.9				
WE	1518	1655	+1.1	TH	1609	*				SA	1836	-0.9				SU	1832	-0.9				MO	1938	*			MO	1924	1341	-3.9			MO	1924	1341	-3.9	
ME	1818	2251	-4.6	JE	1713	-5.2				SA	2359	-3.5				DI	2336	-4.3				LO					MA	2136					MA	2136			
5	0242	0527	+4.2			20	0152	0452	+4.8			5	0333	0759	+3.8			20	0317	0650	+4.9			5		0029	-2.5			20	0056	-3.1					
TH	0939	1245	-3.2	FR	0909	1215	-3.0			SU	1050	1457	-3.6			MO	1027	1429	-4.3			5	0332	0748	+3.6			MO	0403	0747	+4.2						
JE	1744	*		VE	1658	-0.6				DI	2015	-0.5				LO	2005	*				TU	1026	1433	-4.0			WE	1018	1429	-5.0						
TH	2345	-4.2		FR	2218	-4.8				DI						MO						MA	1859	2039	+1.1			ME	1822	2041	+2.8						
6	0336	0631	+3.7			21	0247	0546	+4.6			6	0434	0856	+3.7			21	0425	0824	-3.5			6	0436	0837	+3.2			21	0523	0843	+3.4				
0749	1412	-2.9				1015	1339	-3.0			MO	1137	1602	-3.9			TU	1111	1522	-4.7			ME	1102	1512	-4.2			TH	1058	1516	-5.1					
FR	1856	-0.7				SA	1825	-1.2			MO	1916	2127	+0.4			MA	1924	2110	+1.6			ME	1917	2128	+2.2			ME	1919	2139	+4.0					
7	0048	-3.8				22	0349	0658	+4.4			22	0257	0342	-3.6			22	0235	0236	-3.2			7	0037	0307	-2.0			22	0104	-3.5					
SA	0435	0856	+3.7	TU	0311	1507	-3.4			TU	0542	0922	+2.6			22	0541	0920	+4.2			22	0541	0920	+4.2			7	0037	0307	-2.0			22	0104	-3.5	
SA	1152	1556	-3.2	SU	2007	-0.9				TU	1219	1643	-4.1			WE	1152	1603	-5.1			22	0541	0920	+4.2			TH	1135	1543	-4.3			22	0104	-3.5	
SA	2025	-0.8		DI						MA	2020	2149	+1.6			ME	1946	2206	+3.1			22	0541	0920	+4.2			TH	1135	1543	-4.3			22	0104	-3.5	
8	0158	-3.5				23	0456	0855	+4.5			8	0052	0339	-2.7			23	0059	0354	-3.3			8	0145	0410	-2.2			23	0212	0508	-3.0				
0538	0954	+3.9				MO	1205	1612	-4.1			WE	0651	1024	+3.4			0700	1011	+3.8			8	0711	1005	+2.4			SA	0812	1026	+2.4					
SU	1246	1709	-3.6	MO	1205	1612	-4.1			WE	1254	1706	-4.3			TH	1232	1638	-5.3			8	1207	1610	-4.6			FR	1207	1610	-4.6			SA	1201	1637	-5.4
DI	2144	*		LU	2121	*				ME	2036	2300	+2.7			JE	2015	2257	+4.4			9	2004	2250	+4.3			SA	2021	2329	+5.4						
9	0305	-3.4				24	0210	0343	-2.9			9	0159	0437	+3.5			24	0210	0506	-3.5			9	0236	0510	-2.6			24	0306	0617	-3.3				
0643	1041	+4.0				24	0606	0955	+4.6			0754	1102	+3.2			24	0813	1059	+3.4			9	0824	1046	+2.0			24	0915	1112	-2.1					
MO	1331	1755	-4.0	TU	1248	1656	-4.7			TH	1324	1718	-4.4			FR	1311	1708	-5.5			24	0813	1059	+3.4			SA	1237	1638	-4.9			24	0915	1112	-2.1
LU	2211	2246	+0.7	MA	2038	2220	+1.6			JE	2056	2335	+3.7			VE	2049	2343	+5.4			24	0813	1059	+3.4			SA	2032	2325	+5.1			24	0915	1112	-2.1
10	0441	0404	-3.4			25	0032	0352	-4.0			10	0248	0533	-3.2			25	0305	0615	-3.8			10	0318	0609	-3.0			25	0013	+5.7					
0743	1123	+3.9				25	0717	1044	+4.5			0850	1138	+2.9			25	0915	1144	+3.1			10	0925	1126	+1.8			25	0352	0714	-3.6					
TU	1407	1828	-4.2	WE	1326	1729	-5.1			FR	1350	1730	-4.6			SA	1349	1738	-5.7			10	1308	1706	-5.3			10	1010	1155	-1.9						
MA	2131	2334	+1.7	ME	2058	2313	+3.1			VE	2119	*				SA	2126	*				10	1308	1706	-5.3			DI	1338	1751	-5.7						
11	0159	0457	-3.6			26	0159	0455	-4.2			11	0005	+4.6			26	0023	+5.9			11	0358	0702	-3.3			26	0434	0759	+3.9						
0834	1202	+3.8				26	0822	1131	+4.3			11	0331	0628	-3.5			26	0352	0712	-4.1			11	1017	1205	+1.6			26	0434	0759	+3.9				
WE	1436	1852	-4.3	TH	1402	1754	-5.4			SA	0940	1213	+2.6			SU	1010	1226	+2.8			11	1017	1205	+1.6			MO	1339	1738	-5.7			26	0434	0759	+3.9
ME	2150			JE	2126					SA	1415	1744	-4.9			DI	1425	1810	-5.8			11	1017	1205	+1.6			MA	1414	1828	-5.8						
12	0011	+2.6				27	0201	+4.4			12	0045	+5.3			27	0203	+5.9				12	0035	+6.0			12	2219	0122	+5.8							
0252	0546	-3.8				27	0301	0601	-4.4			12	0409	0718	-3.7			27	0436	0758	-4.3			12	0438	0747	-3.6			27	0513	0839	-4.1				
TH	0919	1237	+3.6	FR	0921	1217	+4.0			SU	1027	1246	+2.3			MO	1100	1306	+2.5			12	0438	0747	-3.6			MO	1105	1316	+1.4						
FR	1501	1900	-4.3	VE	1438	1814	-5.6			DI	1439	1800	-5.3			LU	1458	1846	-5.8			12	0438	0747	-3.6			MA	1410	1816	-6.2			ME	1447	1908	-5.8
13	0043	+3.4				28	0353	0708	+4.6			13	0446	0802	+3.9			28	0519	0840	-4.4			13	0519	0829	-3.8			28	0551	0915	-4.3				
0336	0635	-3.9				28	0353	0708	+4.6			13	0446	0802	+3.9			28	0519	0840	-4.4			13	0519	0829	-3.8			28	0551	0915	-4.3				
FR	1001	1308	+3.4	SA	1014	1300	+3.8			MO	1113	1318	-1.9			TU	1152	1344	-2.1			13	0519	0829	-3.8			SA	1152	1344	-2.1			28	0551	0915	-4.3
VE	1523	1851	-4.3	SA	1512	1838	-5.7			LU	1503	1823	-5.6			MA	1527	1926	-5.8			13	0519	0829	-3.8			ME	1440	1859	-6.5			TH	1520	1948	-5.8
2232						2232				2232					2232																						

April-avril

May-mai

June-juin

Turns		Maximum	renverse		maximum	Turns		Maximum	renverse		maximum	Turns		Maximum	renverse		maximum										
Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds	Day	Time	Time	Knots	jour	heure	heure	noeuds				
1	0232	0548	-8.0	16	0208	0525	+10.6	1	0216	0541	-8.9	16	0210	0534	-12.0	1	0229	0604	-10.1	16	0022	+6.8					
	0904	1142	+5.1	16	0834	1124	+8.7		0850	1144	+7.5		0841	1148	-12.0		0907	1220	+11.3		0259	0634	-11.8				
	SA 1432	1746	-7.0	SU	1425	1739	-10.1	MO	1455	1800	-7.5	TU	1509	1813	-10.6	TH	1552	1855	-8.9	FR	0935	1257	+13.6				
	SA 2035	2350	+8.0	DI	2035	2341	+11.2	LU	2051	2347	+7.9	MA	2112	2359	+9.4	JE	2156			VE	1636	1936	-10.5				
2	0312	0626	-9.7	17	0254	0610	-12.0	2	0251	0615	-9.7	17	0254	0619	-12.6	2	0027	+6.7		2244	0110	+6.5					
	SU	0936	1220	+6.6	0916	1215	+10.9	TU	0919	1218	+9.1	TU	0922	1233	+13.4	FR	0943	1259	+12.7	FR	0345	0749	-11.4				
	SU 1518	1830	-8.2	MO	1521	1831	-11.5	MA	1534	1840	-8.7	ME	1559	1902	-11.4	VE	1634	1938	-9.7	SA	1017	1340	+13.9				
	DI 2120			LU	2129			MA	2135			ME	2204							SA	1721	2022	-10.7				
																					2333						
3	0028	+9.3		18	0029	+11.5		3	0024	+8.2		18	0046	+9.1		3	0109	+6.7		18	0156	+6.2					
	0345	0659	-9.9		0336	0652	-13.0		0323	0647	-10.4		0335	0700	-12.9		0343	0719	-11.2		0430	0802	-11.0				
	MO 1004	1253	+8.0	TU	0954	1257	+12.6		WE 0948	1251	+10.6		TH 1001	1316	+14.3		SA 1020	1339	+13.8		SU	1058	1422	+13.7			
	LU 1557	1908	-9.2	MA	1611	1919	-12.4	ME	1612	1918	-9.6	FR	1646	1949	-11.8	SA	1717	2021	-10.4	DI	1803	2106	-10.6				
	2201	0102	+9.8	2219	0112	+11.4	2216	0059	+8.4	2253	0129	+8.5	2253	0129	+8.5	2328	0151	+6.7	19	0020	0241	+5.7					
	4	0414	0730	-10.5	19	0414	0731	-13.5	4	0353	0718	-11.0	19	0414	0741	-12.7	4	0423	0759	-11.5	19	0020	0241	+5.7			
	TU 1032	1325	+9.4	WE	1032	1338	+13.8	TU	1018	1325	+12.0	FR	1040	1358	+14.6	SU	1059	1421	+14.4	MO	1139	1543	+13.1				
	MA 1633	1944	-10.0	ME	1638	2004	-12.8	VE	1650	1956	-10.3	FR	1732	2034	-11.7	SA	1809	2104	-10.7	LU	1844	2149	-10.3				
	2239	0135	+10.0	2306	0153	+10.9	2257	0136	+8.3	2341	0212	+7.7	2341	0212	+7.7	5	0014	0236	+6.5	20	0106	0326	+5.3				
	5	0453	0759	-11.0	20	0451	0810	-13.5	5	0424	0750	-11.4	20	0453	0821	-12.1	5	0016	0842	-11.4	20	0558	0926	-9.3			
	WE 1059	1356	+10.5	TH	1110	1419	+14.4	FR	1050	1401	+13.0	SA	1119	1439	+14.2	MO	1141	1505	+14.6	MO	1219	1544	+12.1				
	ME 1708	2018	-10.6	JE	1743	2048	-12.6	VE	1729	2035	-10.7	SA	1816	2118	-11.2	MA	1845	2149	-10.8	MA	1924	2230	-9.9				
	2316	0207	+9.9	2351	0234	+9.9	2339	0213	+8.0	21	0028	0255	+6.8	21	0028	0255	+6.8	6	0102	0323	+6.3	21	0151	0411	+4.9		
	6	0510	0828	-11.3	21	0527	0847	-13.0	6	0456	0824	-11.5	21	0502	0901	-11.0	21	0553	0927	-11.0	6	0644	1009	-8.3			
	TH 1128	1429	+11.5	FR	1147	1459	+14.2	SA	1124	1439	+13.6	SA	1158	1520	+13.4	TU	1226	1551	+14.1	FR	1259	1624	+11.0				
	JE 1745	2054	-10.8	ME	1828	2131	-11.9	SA	1811	2116	-10.7	DI	1859	2202	-10.4	MA	1931	2237	-10.7	MA	1931	2237	-10.7	21	0151	0411	+4.9
	7	2354	0241	+9.5	22	0037	0314	+8.6	7	0022	0252	-7.4	22	0117	0339	+5.7	7	0153	0415	+6.0	22	0237	0458	+4.6			
	8	0538	0858	-11.4	22	0602	0925	-12.0	8	0530	0901	-11.4	22	0612	0942	-9.7	7	0646	1017	-10.3	22	0734	1053	-7.2			
	FR 1158	1504	+12.1	SA	1225	1540	+13.4	SU	1202	1520	+13.7	MO	1238	1602	+12.2	WE	1315	1644	+13.3	TH	1341	1706	+9.8				
	VE 1825	2132	-10.6	SA	1913	2216	-10.7	DI	1856	2159	-10.3	LU	1944	2248	-9.5	ME	1919	2327	-10.5	ME	2041	2355	-8.8				
	8	0034	0316	+8.7	23	0124	0356	+7.0	8	0110	0335	+6.6	23	0209	0426	+4.6	8	0247	0512	+5.9	23	0322	0548	+4.4			
	0607	0930	-11.2	23	0639	1005	-10.6	8	0609	0941	-10.8	23	0656	1025	-8.2	8	0748	1112	-9.4	23	0828	1140	-6.2				
	SA 1232	1542	+12.3	SU	1304	1623	+12.2	MO	1243	1605	+13.3	TU	1319	1647	+10.8	TH	1409	1735	+12.1	FR	1426	1751	+8.6				
	SA 1908	2213	-10.0	LU	1901	2303	-9.4	LU	1944	2248	-9.8	MA	2029	2337	-8.5	FR	2108			VE	2119						
9	0118	0355	+7.7	24	0217	0441	+5.4	9	0202	0424	+5.7	24	0305	0519	+3.7	9	0019	-10.3		24	0038	-8.3					
	0640	1006	-10.7	24	0718	1047	-8.9	9	0654	1027	-9.9	24	0746	1113	-6.8	9	0343	0616	+6.1	24	0408	0641	+4.5				
	SU 1310	1625	+12.0	MO	1347	1710	+10.6	9	1330	1655	+12.5	24	1404	1735	+9.3	FR	0859	1214	-8.4	SA	0929	1232	-5.3				
	DI 1956	2259	-9.2	LU	2052	2355	-8.0	MA	2037	2342	-9.2	ME	2116			VE	1510	1834	+10.8	SA	1517	1837	-7.4				
10	0207	0439	+6.4	25	0317	0535	+3.9	10	0302	0521	+4.9	25	0305	0519	+3.7	9	2159	0115	-10.2	25	2159	0123	-7.9				
	0717	1048	-9.8	25	0803	1134	-7.1	10	0749	1122	-8.8	25	0845	1207	-5.4	10	0440	0723	+6.7	25	0454	0737	+4.9				
	MO 1354	1714	+11.3	TU	1434	1803	-9.0	WE	1424	1753	+11.4	TH	1488	1807	-5.4	SA	1017	1323	-7.7	SA	1036	1332	-4.7				
	LU 2051	2353	-8.2	MA	2148			ME	2134			JE	1455	1829	+8.0	SA	1617	1936	+9.6	DI	1616	1931	+6.4				
11	0307	0532	+5.0	26	0055	-6.9	11	0408	0642	-8.7	26	0205	0125	-7.3	SA	2251	0123	-10.3	25	2239	0211	-7.8					
	0802	1137	-8.7	26	0430	0641	+2.8	11	0408	0630	+4.5	26	0506	0728	+3.2	SA	0536	0830	+7.8	26	0539	0833	-5.7				
	TU 1446	1813	+10.4	WE	0902	1233	-5.5	TH	0900	1227	-7.8	FR	1004	1312	-4.5	SU	1136	1437	-7.4	MO	1146	1438	-4.6				
	MA 2154			ME	1530	1906	+7.7	JE	1527	1859	+10.4	VE	1556	1928	+8.0	DI	1731	2039	+8.7	LU	1724	2027	+5.6				
	0058	-7.4		26	2249	0205	-6.3	11	2234	0147	-8.7	27	2255	0222	-7.2	27	2343	0310	-10.5	27	2322	0259	-7.9				
	12	0419	0639	+3.9	27	0549	0802	+2.5	12	0516	0747	+4.9	27	0559	0834	+3.8	12	0629	0932	+9.2	27	0623	0927	+6.9			
	WE 0903	1241	-7.7	TH	1025	1348	-4.5	FR	1025	1344	-7.2	SA	1124	1423	-4.2	MO	1250	1549	-7.8	MO	1252	1546	-5.0				
	ME 1549	1922	+9.7	JE	1639	2017	+6.9	VE	1641	2009	+9.7	SA	1705	2029	+6.4	MA	1845	2140	+8.0	MA	1836	2143	+5.2				
	2304	0213	-7.2	28	2351	0315	-6.5	12	2334	0203	-6.2	28	2344	0316	-7.4	13	0035	0406	-10.9	28	0006	0329	-8.2				
	13	0540	0801	+3.7	28	0655	0920	+3.1	13	0617	0900	-6.2	28	0645	0931	+4.9	13	0719	1030	+10.7	28	0707	1018	+8.3			
	TH 1705	2037	-9.5	FR	1758	2124	+6.7	SA	1816	2125	+6.2	SA	1816	2125	+6.2	MA	1953	2238	+7.5	MA	1953	2238	+7.5				
	14	0013	0328	-7.8	29	0048	0415	-7.1	14	0031	0353	-10.0	29	0030	0404	-7.9	14	0125	0458	-11.3	29						

July-juillet

August-août

September-septembre

Turns			reverse			Turns			reverse			Turns			reverse		
Day	Time	Time Knots	jour	heure	heure noeuds	Day	Time	Time Knots	jour	heure	heure noeuds	Day	Time	Time Knots	jour	heure	heure noeuds
		0001 +5.3			0058 +5.4			0127 +6.9			0211 +6.9			0241 +11.6	16	0246 +9.9	
1	0227	0612 -10.3	16	0329	0704 -10.2	1	0402	0736 -11.8	16	0458	0816 -10.0	1	0543	0857 -13.2	16	0554	0904 +10.0
SA	0915	1238 +12.9	SU	1000	1326 +12.9	SU	1033	1354 +14.7	WE	1108	1424 +11.9	FR	1155	1459 +13.6	SA	1201	1456 +10.3
SA	1621	1924 -9.3	DI	1707	2009 -10.2	MA	1729	2034 -11.9	ME	1752	2059 -10.9	VE	1813	2124 -13.7	SA	1804	2119 -11.0
		2231			2323			2342			0134			0228			0021
		0050 +5.7			0146 +5.6			0214 +8.1			0246 +7.5			0324 +12.3	2	0323	0324 +12.3
2	0316	0658 -11.0	17	0419	0749 +10.2	2	0456	0823 -12.4	17	0007	0246 +7.5	2	0632	0941 -12.8	17	0631	0939 -10.0
SU	0959	1323 +14.1	MO	1043	1408 +12.9	WE	1120	1438 +14.9	TH	1145	1457 +11.5	SA	1241	1540 +12.5	SU	1237	1528 +9.3
DI	1705	2009 -10.4	LU	1746	2050 -10.5	ME	1808	2114 -12.7	JE	1821	2130 -10.9	SA	1849	2203 -13.4	DI	1830	2148 -10.7
		2318			0004			0302			0319			0407	18	0051	0352 +10.5
3	0406	0745 +11.5	18	0506	0832 -9.9	3	0549	0910 -12.5	18	0615	0929 -9.7	3	0722	1027 -11.8	18	0710	1016 -9.4
MO	1044	1407 +14.8	TU	1124	1446 +12.6	TH	1207	1521 +14.5	FR	1221	1529 +10.9	SU	1327	1622 +10.8	MO	1316	1602 +8.2
LU	1748	2052 +11.2	MA	1823	2128 -10.6	SA	1846	2154 -13.0	VE	1849	2201 -10.6	DI	1925	2242 -12.6	LU	1857	2219 -10.2
		0003			0043			0306			0353			0445	4	0124	0430 +10.4
4	0003	0225 +6.7	19	0050	0310 +6.0	4	0103	0349 -12.2	19	0108	0353 +8.2	4	0148	0453 +12.0	19	0124	0430 +10.4
SA	0457	0831 -11.7	MO	0550	0912 -9.5	SA	0652	0957 -12.9	SA	0653	1004 -9.3	MO	0814	1115 -10.4	MO	1417	1706 +8.9
TU	1129	1452 +15.0	WE	1203	1523 +12.0	FR	1254	1604 +13.5	SA	1258	1601 +10.0	MO	1417	1706 +8.9	TU	1359	1640 +6.9
MA	1831	2136 -11.7	ME	1857	2204 -10.4	VE	1924	2305 -12.9	SA	1916	2231 -10.3	LU	2002	2324 -11.3	MA	1927	2255 -9.5
		0048			0119			0349			0434			0523	5	0233	0515 +11.1
5	0548	0314 +7.1	20	0119	0349 +6.1	5	0144	0434 +10.3	20	0138	0428 +8.4	5	0233	0515 +11.1	20	0202	0515 +11.1
MO	0950	0919 -11.6	TH	0633	0951 -8.9	SA	0736	1045 -11.3	SA	0734	1041 -8.5	SA	0911	1209 -8.7	20	0845	1145 -7.0
WE	1216	1538 +14.6	TH	1241	1559 +11.2	SA	1342	1649 +12.0	SU	1336	1636 +8.9	TU	1513	1755 +6.8	WE	1452	1725 +5.4
ME	1913	2219 -11.9	JE	1929	2239 -10.1	SA	2002	2317 -12.5	DI	1944	2302 -9.8	MA	2043		ME	2003	2336 -8.6
		0133			0155			0428			0523			0611	6	0322	0640 +10.0
6	0634	1008 -11.6	21	0716	1030 -8.2	6	0833	1136 -10.1	21	0812	1057 -8.4	6	0922	1027 -11.8	21	0248	0608 +9.4
TH	1303	1625 +13.7	FR	1319	1635 +10.2	SU	1434	1735 +10.2	MO	1418	1713 +7.6	WE	1615	1811 -7.1	TH	1558	1823 +4.0
JE	1955	2304 -11.9	VE	2000	2314 -9.6	DI	2042		LU	2013	2337 -9.1	ME	1621	1855 +4.8	JE	2049	
		0219			0231			0508			0611			0722	7	0420	0746 +9.0
7	0219	0457 -7.9	22	0231	0508 -6.2	7	0314	0601 -11.6	22	0250	0552 -8.2	7	0420	0746 +9.0	7	0420	0746 +9.0
FR	0457	1101 -10.3	SA	0802	1110 -7.3	MO	0935	1232 -8.6	SA	1058	1210 -6.6	MA	2046		TH	1129	1427 -6.1
FR	1356	1714 +12.4	SA	1359	1712 +9.0	LU	1531	1827 +8.1	MA	2046		MA	2046		TH	1129	1427 -6.1
VE	2038	2350 -11.6	SA	2032	2349 -9.1	LU	1531	1827 +8.1	MA	2046		MA	2046		TH	1129	1427 -6.1
		0307			0308			0552			0617			0825	8	0527	0859 +8.4
8	0307	0552 +8.2	23	0308	0552 +6.3	8	0406	0716 +9.7	23	0334	0645 +8.5	8	0527	0859 +8.4	23	0454	0829 +8.8
SA	0849	1157 -9.3	SU	0852	1155 -6.5	TU	1043	1337 -7.2	WE	1015	1309 -5.6	FR	1245	1551 -6.1	SA	1214	1523 -6.8
SA	1452	1806 +10.3	SU	1444	1753 +7.7	MA	1638	1925 +6.2	ME	1611	1850 +4.6	VE	1916	2132 +3.0	SA	1848	2103 +3.3
SA	2122		DI	2104		MA	1638	1925 +6.2	ME	1611	1850 +4.6	VE	1916	2132 +3.0	SA	1848	2103 +3.3
		0039			0027			0144			0106			0136	9	0639	1012 +8.6
9	0358	0652 +8.5	24	0348	0640 +6.4	9	0502	0821 +9.4	24	0428	0749 +8.1	9	0639	1012 +8.6	9	0639	1012 +8.6
SU	0958	1258 -8.2	MO	0950	1246 -5.6	WE	1158	1452 -6.4	TH	1129	1424 -5.1	SA	1353	1704 -7.0	SA	1353	1704 -7.0
DI	1553	1901 +9.1	LU	1536	1839 -6.4	ME	1758	2032 +4.7	JE	1733	1958 +3.5	SA	2026	2247 +3.7	DI	1953	2218 +4.6
		2207			2139			0248			0210			0240	10	0711	0450 -6.9
		0131 -10.8	25	0433	0735 +6.8	10	0604	0929 +9.5	25	0220	0210 -7.3	10	0746	1113 +9.2	10	0746	1113 +9.2
10	0451	0754 +9.0	25	0433	0735 +6.8	10	0604	0929 +9.5	25	0220	0210 -7.3	10	0746	1113 +9.2	10	0746	1113 +9.2
MO	1111	1406 -7.4	MA	1056	1347 -5.0	TH	1313	1612 -6.4	FR	1247	1549 -5.4	SA	1448	1759 -8.1	SU	1448	1759 -8.1
LU	1703	2001 +7.6	MA	1640	1933 -5.2	JE	1922	2145 +3.9	VE	1902	2116 +3.1	DI	2116	2346 +4.8	DI	2116	2346 +4.8
		2256			2219			0059			0357			0428	11	0227	0540 -7.8
11	0546	0857 +9.6	26	0522	0835 +7.4	11	0706	1035 +9.9	26	0638	1009 +9.5	11	0842	1204 +9.8	11	0842	1204 +9.8
TU	1225	1520 -7.0	WE	1208	1459 -4.8	FR	1421	1723 -7.2	SA	1356	1702 -6.7	MO	1533	1842 -9.2	MO	1533	1842 -9.2
WE	1818	2104 +6.3	ME	1757	2035 +4.2	VE	2037	2256 +3.9	SA	2016	2230 +3.8	LU	2155		LU	2155	
		2347			2306			0120			0049			0349	12	0321	+6.1
12	0641	0959 +10.4	27	0616	0936 +8.4	12	0806	1134 -10.0	27	0742	1110 -10.9	12	0930	1238 -8.7	12	0930	1238 -8.7
WE	1336	1632 -7.3	TH	1319	1616 -5.3	SA	1517	1812 -8.2	SU	1452	1759 -8.4	SU	1452	1759 -8.4	SA	1610	1919 -10.1
ME	1934	2208 +5.5	JE	1918	2141 +3.8	SA	2136	2357 +4.5	DI	2110	2333 +5.5	DI	2110	2333 +5.5	DI	2110	2333 +5.5
		0042			0002			0356			0425			0519	13	0405	0719 -9.5
13	0735	1058 -11.0	28	0711	1036 +9.7	13	0859	1225 +11.2	28	0203	0542 -9.5	13	0405	0719 -9.5	13	0405	0719 -9.5
TH	1439	1738 -8.2	FR	1422	1723 -6.5	SU	1604	1908 -9.3	DI	2222</							

January-janvier

February-février

March-mars

Turns				reverse				Turns				reverse				Turns				reverse					
Day	Time	Maximum	Knobs	jour	heure	maximum	heures noeuds	Day	Time	Maximum	Knobs	jour	heure	maximum	heures noeuds	Day	Time	Maximum	Knobs	jour	heure	maximum	heures noeuds		
1	0213	0533	+9.1	16	0224	0535	+11.3	1	0025	-5.8		16	0405	0651	+6.6	1	0249	0533	+5.8	16	0042	-7.9			
MO	0859	1216	-8.9	TU	0581	1207	-11.6	1	0316	0615	+6.3	16	0405	0651	+6.6	1	0820	1151	-8.2	16	0352	0625	+5.2		
MO	1542	1820	+5.3	TU	0853	1817	+9.1	1	0913	1243	-8.1	16	0937	1309	-9.8	16	1506	1817	+8.0	16	0901	1235	-8.8		
LU	2114			MA	2124			16	1604	1907	+6.8	VE	1626	1944	+9.9	VE	2149			SA	1546	1912	+9.7		
		0015	-5.9			0025	-8.9	2	2230	0121	-4.9			2320	0215	-6.7			0044	-5.6			2022	0153	-6.7
2	0300	0618	+7.7	17	0331	0627	+9.6	2	0414	0704	-4.9	17	0522	0757	+4.9	2	0347	0622	+4.3	17	0513	0736	+3.7		
TU	0935	1259	-8.4	WE	0934	1256	-11.1	17	0949	1328	-7.5	SA	1030	1411	-8.7	SA	0857	1236	-7.4	SA	1002	1342	-7.3		
MA	1626	1912	+5.4	ME	1614	1917	+9.4	VE	1652	2006	+7.0	SA	1728	2054	+9.6	SA	1556	1917	+7.7	DI	1653	2025	+8.8		
	2216				2233			3	2341							3	2259								
3	0110	-5.0		18	0130	-7.8		3	0529	0804	+3.7	18	0038	0336	-6.4	3	0154	-4.8		18	0010	0316	-6.4		
3	0354	0706	+6.4	18	0427	0725	-7.8	3	0529	0804	+3.7	18	0649	0912	+3.9	3	0506	0727	+3.0	18	0643	0901	+3.2		
WE	1013	1344	-7.9	TH	1020	1349	-10.5	SA	1033	1423	-7.1	SU	1136	1523	-8.1	SU	0945	1336	-6.7	MO	1124	1504	-6.6		
ME	1711	2007	+5.8	TH	1708	2020	+9.7	SA	1747	2109	+7.6	DI	1835	2055	+9.8	DI	1657	2028	+7.8	LU	1808	2141	+8.7		
	2323	0212	-4.5		2347	0241	-7.1	4	0055	0351	-4.6	19	0150	0453	-7.1	4	0017	0320	-4.9	19	0121	0432	-7.1		
4	0458	0759	+5.3	19	0541	0827	+6.3	4	0055	0351	-4.6	19	0510	0453	-7.1	4	0639	0847	+2.5	19	0212	0521	+3.9		
TH	0853	1431	-7.7	FR	1111	1448	-10.0	SU	1128	1527	-7.2	MO	1253	1637	-8.2	MO	1055	1453	-6.5	MO	1253	1624	-6.8		
VE	1757	2102	+6.6	VE	1806	2125	+10.3	DI	1844	2122	+8.7	LU	1939	2309	+10.4	LU	1807	2141	+8.5	MA	1919	2247	+9.1		
5	0030	0320	-4.5	20	0102	0357	-7.0	5	0202	0504	-5.6	20	0251	0556	-8.2	5	0129	0438	-6.0	20	0220	0532	-8.2		
5	0610	0856	+4.6	20	0701	0934	+5.3	5	0812	1022	+3.1	20	0912	1135	+4.6	5	0756	1006	+3.1	20	0850	1124	+5.2		
FR	1135	1522	-7.7	SA	1207	1551	-9.7	MO	1234	1633	-7.7	TU	1407	1741	-8.7	TU	1221	1612	-7.1	WE	1408	1729	-7.7		
VE	1842	2156	+7.7	SA	1904	2227	+11.0	LU	1941	2310	+10.1	MA	2038			MA	1916	2246	+9.8	ME	2021	2341	+9.7		
6	0134	0428	-5.0	21	0210	0509	-7.6	6	0258	0602	-7.1	21	0004	-11.1	6	0228	0537	-7.6	21	0307	0619	-9.4			
6	0723	0953	+4.1	21	0816	1040	+4.9	6	0912	1124	+3.9	21	0341	0646	+9.1	6	0850	1111	+4.5	21	0931	1213	+6.6		
SA	1222	1613	-8.0	SU	1308	1653	-9.8	TU	1342	1734	-8.7	WE	0959	1230	+5.7	WE	1340	1720	-8.5	TH	1506	1820	-8.7		
SA	1927	2246	+9.0	DI	1959	2326	+11.8	MA	2035			ME	1509	1835	-9.5	ME	2017	2341	+11.2	JE	2113				
								7	0002	+11.6		22	2129			7	0316	0625	-9.4	22	0347	0658	+10.2		
7	0230	0529	-6.0	22	0310	0611	-8.6	7	0346	0651	-8.7	22	0423	0729	-11.7	7	0416	0705	-10.7	22	0446	0754	-9.9		
7	0529	1049	+4.1	22	0921	1143	+5.0	WE	1000	1219	+5.1	TH	1040	1316	+6.8	TH	1446	1815	-10.1	TH	1412	1754	-9.7		
SU	1311	1704	-8.5	MO	1410	1752	-10.0	ME	1446	1827	-10.0	JE	1602	1922	-11.0	JE	2112			VE	1553	1904	+7.6		
DI	2012	2334	+10.4	LU	2053			2125			2125			2215			8	0029	+12.5	23	2157				
8	0320	0621	-7.2	23	0402	0701	-9.6	8	0428	0733	-10.2	23	0459	0806	-11.1	8	0357	0706	-11.0	23	0421	0733	-10.9		
8	0926	1141	+4.4	23	0516	1239	+5.5	TH	0441	1308	+6.5	FR	1115	1356	+7.7	FR	1011	1252	-8.4	SA	1037	1329	+9.0		
MO	1402	1753	-9.3	MA	1510	1845	+10.3	FR	1543	1916	-11.1	VE	1647	2003	-10.4	VE	1542	1905	-11.6	SA	1633	1943	-10.2		
TU	2056			24	2142			9	2213			24	2256			9	2201			24	2237				
		0020	+11.9	24	0447	0750	+10.4	9	0507	0813	-11.5	24	0533	0841	-11.3	9	0436	0745	-12.4	24	0452	0804	-11.2		
9	0406	0709	-8.5	24	0447	0750	+10.4	9	0507	0813	-11.5	24	0533	0841	-11.3	9	0436	0745	-12.4	24	0452	0804	-11.2		
TU	1016	1231	+4.9	WE	1103	1329	+6.0	FR	1120	1353	-8.0	SA	1148	1431	+8.4	SA	1048	1335	+10.3	SA	1106	1401	+9.8		
MA	1454	1840	-10.1	ME	1604	1933	+10.5	VE	1636	2003	-12.1	SA	1728	2041	-10.5	SA	1633	1950	-12.7	DI	1710	2018	-10.4		
	2140			25	2228			10	2259			25	2334			9	2201			24	2237				
10	0449	0752	-9.7	25	0528	0832	-11.0	10	0545	0852	-12.5	25	0603	0913	-11.3	9	0436	0745	-12.4	24	0452	0804	-11.2		
WE	1102	1319	+5.6	TH	1145	1414	+6.5	SA	1158	1438	+9.3	25	0603	0913	-11.3	9	0436	0745	-12.4	24	0452	0804	-11.2		
ME	1545	1926	-10.8	JE	1654	2017	-10.5	SA	1728	2048	-12.6	DI	1806	2117	-10.2	9	0436	0745	-12.4	24	0452	0804	-11.2		
	2225	0149	+14.1	26	2310			2346			26	0011	0315	+10.8	9	0436	0745	-12.4	24	0452	0804	-11.2			
11	0530	0834	-10.7	26	0605	0910	-11.2	11	0622	0930	-13.0	26	0011	0315	+10.8	10	0512	0822	-13.3	25	0519	0834	-11.2		
11	1144	1406	+6.4	26	1223	1456	+6.9	SU	1236	1522	+10.3	MO	1248	1538	+9.0	SU	1124	1417	+11.8	25	0519	0834	-11.2		
TH	1637	2012	-11.4	VE	1740	2059	-10.2	DI	1818	2134	-12.5	LU	1843	2152	-9.6	DI	1721	2035	-13.2	25	0519	0834	-11.2		
	2310	0232	+14.5	27	2351			2346			26	0011	0315	+10.8	DI	1721	2035	-13.2	25	0519	0834	-11.2			
12	0610	0916	-11.4	27	0639	0947	-11.1	12	0031	0340	+13.6	27	0046	0346	+9.9	11	0547	0859	-13.7	26	0545	0902	-11.0		
12	1226	1453	-7.1	SA	1259	1535	+7.1	12	0658	1009	-13.2	27	0657	1013	-10.5	11	0547	0859	-13.7	26	0545	0902	-11.0		
VE	1729	2059	-11.6	SA	1824	2139	-9.6	MO	1315	1607	+11.0	27	0657	1013	-10.5	11	0547	0859	-13.7	26	0545	0902	-11.0		
	2355	0136	+14.5	SA	1824	2139	-9.6	LU	1910	2220	-11.9	MA	1922	2228	-8.8	12	0809	2119	-13.1	27	0622	0936	-13.6		
13	0650	0957	-11.9	28	0030	0345	+11.5	13	0118	0420	+12.0	28	0123	0418	-8.7	12	0809	2119	-13.1	27	0622	0936	-13.6		
13	1308	1540	+7.8	28	0372	1021	+0.7	13	0734	1048	-12.8	28	0123	0418	-8.7	12	0809	2119	-13.1	27	0622	0936	-13.6		
SA	1823	2146	-11.4	DI	1907	2217	-8.8	MA	2004	2309	-10.8	28	0123	0418	-8.7	12	0809	2119	-13.1	27	0622	0936	-13.6		
				29	0108	0420	+10.4	29	0108	0420	+10.4	29	0203	0453	+7.3	13	0857	1015	-13.0	28	0803	1130	+9.5		