



GBON National Gap Analysis

Systematic Observations Financing Facility

Weather and climate data for resilience







Screening of the National Gap Analysis (NGA) of Seychelles

WMO Technical Authority screens the GBON National Gap Analysis to ensure consistency with the GBON regulations and provides feedback for revisions as needed. *The screening of the NGA is conducted according to the SOFF Operational Guidance Handbook, version:* 04.07.2023 and the provisions in Decision 5.7 of the SOFF Steering Committee.

Following iterations with peer advisor and beneficiary country, WMO Technical Authority confirms that the National Gap Analysis is consistent with GBON regulations. While the WMO GBON Global Gap Analysis identified the need for 6 surface stations and 2 upper air station over land to meet the GBON horizontal requirement, the **WMO Technical Authority confirms** the NGA results which indicate the need for 7 surface land stations and 2 upper station based on specific national circumstances.

Date: 18 November 2024

Signature:

Infial

Albert Fischer Director, WIGOS Branch, Infrastructure Department, WMO

GBON National Gap Analysis Report Seychelles

| Beneficiary Country Focal Point and Institute | Mr Vincent Amelie, Seychelles Meteorological |
|---|--|
| | Authority (SMA) |
| Peer Advisor Focal Point and Institute | Mr Ishaam Abader, South African Weather |
| | Service (SAWS) |

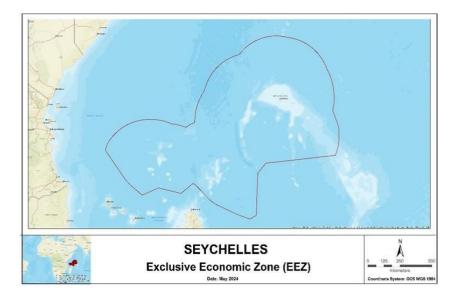
1. Country information from the GBON Global Gap Analysis

Seychelles, officially known as the Republic of Seychelles (French: République des Seychelles; Seychellois Creole: Repiblik Sesel), is an island country and archipelagic state situated in the Indian Ocean. It consists of 115 islands (as per the Constitution) and is located approximately 1,500 kilometers east of mainland Africa. It is also the smallest country in Africa and the least populated sovereign African country with and estimated population of 108,097 as of March 22, 2024. This relatively small population resides mainly on three islands: Mahé, Praslin, and La Digue. Seychelles boasts a vast and diverse Exclusive Economic Zone (EEZ) spanning approximately 1.37 million square kilometers. The EEZ extends 200 nautical miles from the baselines of the Seychelles islands and is characterized by a combination of shallow continental shelves, deep oceanic basins, and diverse marine habitats. The unique geography of the EEZ includes coral reefs, seagrass beds, mangroves, and a variety of coastal and aquatic ecosystems.

Meteorological activities in the Seychelles are closely monitored and studied by the Seychelles Meteorological Authority (SMA), responsible for providing weather forecasts, issuing warnings, and conducting a range of meteorological services. Given its geographical location, the archipelago is prone to monsoons, which are characterized by strong winds and substantial rainfall. These monsoons, influenced by the Indian Ocean Dipole and the El Niño-Southern Oscillation, are vital for Seychelle's agricultural sector as they provide the necessary water supply for crops. However, excessive rainfall can lead to flooding and landslides, posing risks to inhabitants and infrastructure.

In addition to monsoons, the Seychelles also experiences tropical cyclones, which typically form during the wet monsoonal season from November to April. The occurrence of cyclones can have severe impacts on the country's economy, particularly its tourism sector. Therefore, accurate forecasting and timely warnings are essential for preparedness and minimizing potential risks associated with these extreme weather events. Furthermore, climate change poses a significant challenge for the Seychelles, as its low-lying islands are vulnerable to rising sea levels. As a response, the Seychelles government has implemented various measures to combat climate change and adapt to its effects. These include the creation of marine protected areas, promoting sustainable tourism practices, and investing in renewable energy sources. As climate change continues to pose challenges, it is essential for local authorities, scientists, and international partners to collaborate and develop sustainable

strategies to effectively mitigate and adapt to the impacts of climate change on the Seychelles.



The Global Basic Observing Network (GBON) gap analysis in the table below is based on the June 2023 baseline and assessment of the status of the observational data exchange in Seychelles measured against GBON requirements. This provides an estimate of how many surface and upper-air stations are needed to meet the GBON requirements. Target indicates the total number of stations needed. Reporting denotes how many stations are reporting. The gap is the total of how many stations need to, either be improved, or newly installed, respectively. It is therefore as a preliminary result anticipated that Seychelles install 5 new surface land stations and 1 new upper-air station.

Table I. WMO GBON Global Gap Analysis (June 2023).Illustration of the information that the WMOSecretariat provides to each country

| A. GBON horizontal resolution requirements | B. Target | C. Reporting (GBON compliant) ¹ | D. Gap to improve | E. Gap new | F. Gap total | | | | |
|--|-----------------|--|----------------------|---------------|-----------------|--|--|--|--|
| | [# of stations] | | | | | | | | |
| Surface stations Standard density ² 200 km | 6 | 0 | 1 | 5 | 6 | | | | |

¹ The rationale for classifying surface and upper-air stations as reporting is based on the WIGOS Data Quality Monitoring System (WDQMS) for the chosen time period (WMO GBON Global Gap analysis, June 2023). Stations with data availability more than 80% on at least 80% of days, are considered as reporting. Other listed stations are counted as having the possibility to be improved.

² For SIDS, for the WMO GBON Global Gap Analysis in June 2023, the EEZ area has been added to the total surface area which is the basis for the target number of stations. The standard density requirements for SIDS have been calculated with 500 km for surface stations and 1000 km for upper-air stations.

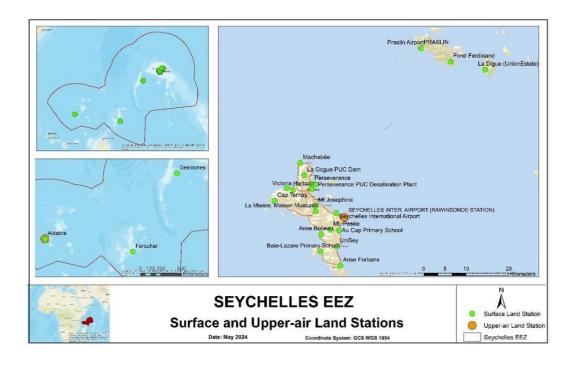
| Upper-air stations over | 2 | 1 | 0 | 1 | 1 |
|--|---|---|---|---|---|
| land Standard density ² 500km | | | | | |

2. Analysis of existing GBON stations and their status against GBON requirements

The Seychelles Meteorological Authority (SMA) operates and maintains a network of 24 surface land stations.

| # | Station name | WIGOS- ID | Station type | Ownership | Latitude | Longitude | Deployment date | Declared reporting status |
|----|--|---------------------|-----------------|-----------|--------------|-----------------|--------------------|---------------------------------|
| 1 | ALDABRA | 0-20000- 0-63995 | S | NMHS | -9.4017 | 46.2061 | 2001-01 | Operational |
| 2 | Anse Boileau | 0-690-0- 63001AB | S | NMHS | -4.7152 | 55.4821 | 2023-05 | Operational |
| 3 | Anse Forbans | 0-690-0- 63008AF | S | NMHS | -4.7813 | -4.7813 55.5225 | | Operational |
| 4 | Au Cap Primary School | 0-690-0- 63002AC | S | NMHS | -4.7067 | 55.5199 | 2023-06 | Operational |
| 5 | Baie-Lazare Primary School | 0-690-0- 63009BL | S | NMHS | -4.7516 | 55.4808 | 2023-05 | Operational |
| 6 | Belombre PUC Desalination | 0-690-0- 63003BO | S | NMHS | -4.6173 | 55.4094 | 2023-05 | Operational |
| 7 | Cap Ternay | 0-690-0- 63010CT | S | NMHS | -4.6443 | 55.3834 | 2023-05 | Operational |
| 8 | DESROCHES | 0-20000- 0-63994 | S | NMHS | -5.6951 | 53.6502 | 2001-01 | Silent |
| 9 | FARQUHAR | 0-20000- 0-63996 | S | NMHS | - 10.1225 | 51.1611 | 2001-01 | Silent |
| 10 | La Digue (UnionEstate) | 0-690-0- UNIO | S | NMHS | -4.3663 | 55.8288 | 2021-04 | Silent |
| 11 | La Gogue PUC Dam | 0-690-0- 63004LG | S | NMHS | -4.5905 | 55.4463 | 2023-05 | Operational |
| 12 | La Misère, Maison Muscade | 0-690-0- 63011LM | S | NMHS | -4.6665 | 55.4709 | 2023-05 | Operational |
| 13 | Le Niole PUC Waterworks | 0-690-0- 63005LN | S | NMHS | -4.6209 | 55.4224 | 2023-05 | Operational |
| 14 | Machabée | 0-690-0- 63012MA | S | NMHS | -4.564 | 55.4373 | 2023-05 | Operational |
| 15 | Mt Josephine | 0-690-0- 63006MJ | S | NMHS | -4.6546 | 55.4698 | 2023-06 | Operational |
| 16 | Mt. Posée | 0-690-0- 63013MP | S | NMHS | -4.7053 | 55.5018 | 2023-06 | Operational |
| 17 | PRASLIN | 0-20000- 0-63981 | S | NMHS | -4.3205 | 55.6931 | 2001-01 | Silent |
| 18 | Perseverance PUC Desalination Plant | 0-690-0- 63015PD | S | NMHS | -4.6094 | 55.4691 | 2023-05 | Operational |

| # | Station name | WIGOS- ID | Station type | Ownership | Latitude | Longitude | Deployment date | Declared reporting status |
|----|-----------------|--------------|-----------------|-----------|----------|-----------|--------------------|---------------------------------|
| 19 | SEYCHELLES | 0-20000- | S | NMHS | | | 2017-12 | Operational |
| | INTERNATIONAL | 0-63980 | | | | | | |
| | AIRPORT | | | | -4.6701 | 55.5138 | | |
| 20 | UniSey | 0-690-0- | S | NMHS | | | 2023-05 | Operational |
| | | 63007US | | | -4.7406 | 55.5153 | | |
| 21 | Victoria | 0-690-0- | S | NMHS | | | 2023-05 | Operational |
| | Harbour | 63014VH | | | -4.6196 | 55.4621 | | |
| 22 | Perseverance | 68982 | S | NMHS | -4.6083 | 55.4619 | 2023-06 | Operational |
| 23 | Fond Ferdinand | 63983 | S | NMHS | -4.3492 | 55.756 | 2021-04 | Operational |
| 24 | Praslin Airport | 160196 | S | NMHS | -4.321 | 55.6933 | 2023-10 | Operational |
| 25 | SEYCHELLES | 0-20000- | UA | NMHS | -4.6790 | 55.5308 | 1976-01-01 | Operational |
| | INTER. AIRPORT | 0-63985 | | | | | | |
| | (RAWINSONDE | | | | | | | |
| | STATION) | | | | | | | |



The table below shows the information concerning the surface land observing stations identified for GBON.

| # | Station name | WIGOS-ID | Latitude | Longitude | Date | Program/Network | |
|---|--------------|-----------------|----------|-----------|-------------|------------------------|--------------------|
| | | | | | Established | affiliation | |
| | | | | | | GOS General: Non- | |
| | | | | | | reporting, RBCN - | |
| 1 | ALDABRA | 0-20000-0-63995 | -9.4017 | 46.2061 | 1968-01-01 | deprecated: Closed, | |
| | | | | | | | RBON: Operational; |
| | | | | | | GBON: Planned | |
| 2 | DESROCHES | 0-20000-0-63994 | -5.6951 | 53.6502 | 2001-01-01 | GBON: Planned; GOS | |
| 2 | DESKOCHES | 0-20000-0-05994 | -5.0951 | 55.0502 | 2001-01-01 | General: Non-reporting | |
| 3 | FARQUHAR | 0-20000-0-63996 | -10.1225 | 51.1611 | 2001-01-01 | GOS General: Non- | |
| 5 | FANQUHAK | 0-20000-0-05990 | -10.1225 | 51.1011 | 2001-01-01 | reporting | |

| # | Station name | WIGOS-ID | Latitude | Longitude | Date Established | Program/Network affiliation |
|---|--|--------------------------------------|----------|-----------|---------------------|---|
| 4 | LA DIGUE | 0-690-0-UNIO | -4.3663 | 55.8288 | 2021-12-01 | GBON: Planned |
| 5 | PRASLIN | 0-20000-0-63981 | -4.3205 | 55.6931 | 2001-01-01 | GBON: Planned, RBCN - deprecated: Closed, RBON: Non-reporting, RBSN(S) - deprecated: Closed |
| 6 | SEYCHELLES INTERNATIONAL AIRPORT | 0-20000-0-63980 | -4.6701 | 55.5138 | 1894-01-01 | CLIMAT(C) - deprecated: Closed, GBON: Operational, GOS General: Operational, GSN: Operational, RBCN - deprecated: Closed, RBON: Operational, RBSN(S) - deprecated: Closed |
| 7 | COEVITY | To be registered in OSCAR/Surface | -7.1322 | 56.2736 | n/a | GBON: Planned |

Furthermore, SMA has 1 upper-air (radiosonde) land station located at the Seychelles International Airport which currently performs 1 ascent per day at 12h00 UTC. The new upper-air station will be deployed at Aldabra.

| # | Station name | WIGOS-ID | Latitude | Longitude | Date | Program/Network |
|---|---|-----------------|----------|-----------|-------------|---|
| | | | | | Established | affiliation |
| 1 | SEYCHELLES INTER. AIRPORT (RAWINSONDE STATION) | 0-20000-0-63985 | -4.6790 | 55.5308 | 1976-01-01 | GBON, Global Upper Air Network (GUAN) |
| 2 | ALDABRA | 0-20000-0-63995 | -9.4017 | 46.2061 | 1968-01-01 | GBON: Planned |

Table II. Assessment of existent stations per their operational status and network ownership

| | Existing observation stations (# of stations) | | | | | | | | |
|-------------------|---|------------|---|------------|--|--|--|--|--|
| | NMHS n | etwork | Third-party network | | | | | | |
| GBON Requirements | Reporting (GBON compliant) ³ | To improve | Reporting (GBON compliant) ³ | To improve | | | | | |

³ The rationale for classifying surface and upper-air stations as reporting is based on the WIGOS Data Quality Monitoring System (WDQMS) for the chosen time period during the development of National Gap Analysis Stations with data availability more than 80% on at least 80% of days, are considered as reporting. Other listed stations are counted as having the possibility to be improved.

| Surface land stations Standard density ⁴ 200km Variables: SLP, T, H, W, P, SD | n/a | n/a | n/a | n/a |
|--|-----|-----|-----|-----|
| Upper-air stations operated from land Horizontal resolution ⁴ : 500km Vertical resolution: 100m, up to 30 hPa Variables: T, H, W | n/a | n/a | n/a | n/a |
| Surface marine stations in Exclusive Economic Zones: ⁷ 500 km Variables: SLP, SST | 1 | 1 | 0 | 0 |
| Upper-air stations operated in Exclusive Economic Zones: ⁵ 1000 km Vertical resolution: 100m, up to 30 hPa Variables: T, H, W | 1 | 1 | 0 | 0 |

Table III. Assessment of existing GBON stations per station characteristics. Station type: S: Surface, UA: Upper-Air; M: Marine; Owner of the station: NMHS or name of third-party; GBON variables: SLP: Atmospheric pressure; T: Temperature; H: Humidity; W: wind; P: Precipitation; SD: Snow depth; SST: Sea surface temperature; Reporting cycle: Number of observation reports exchanged internationally per day (0-24); GBON compliance: whether the station is GBON compliant or not (see GBON guide on compliance criteria).

| Station name | Statio n type (S/UA | Owner (NMH S/3rd | Fundi ng | GBON variable i measured | | | | g | portin cycle os/day) | GBON Compliant (Y/N) | | | |
|--------------|---------------------------|------------------------|-------------|-----------------------------|---|---|---|---|--------------------------------|----------------------------|---|---|----------------------------------|
| | /M ⁶) | party) | source | S L P | т | н | w | Р | SD | SST | | | |
| Aldabra | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not disseminate data internationally | |
| Anse Boileau | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The | e station does not inate data |

⁴ For SIDS, for the WMO GBON Global Gap Analysis in June 2023, the EEZ area has been added to the total surface area which is the basis for the target number of stations. The standard density requirements for SIDS have been calculated with 500 km for surface stations and 1000 km for upper-air stations.

⁵Although GBON marine stations and stations in EEZ are not part of initial SOFF scope, peer advisors are encouraged to analyze in this step when considered relevant e.g. SIDS, the status of current marine stations for future GBON marine observations investments.

⁶ Please see guidance on marine stations in Section 2 on Scope.

| Anse Forbans | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
|--------------------------|-------|---------|------|---|--------------|--------------|----------|---|-----------|------------|---|--------------------------|
| Anse Forbans | 5/101 | | | ľ | T | T | ĭ | ľ | IN/A | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Au Can Drimany | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| Au Cap Primary School | 5/101 | | | ľ | ľ | ľ | Ŷ | ř | IN/A | | 0 | disseminate data |
| SCHOOL | | | | | | | | | | | | |
| | 6.0.4 | | | | <u> </u> | <u> </u> | <u> </u> | | N. 1. / A | | | internationally |
| Baie-Lazare | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| Primary School | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | ļ | ļ | internationally |
| Belombre PUC | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| Desalination | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Cap Ternay | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Desroches | S/M | NMHS | NMHS | N | Ν | N | Ν | Ν | N/A | N | 0 | No. The station does not |
| | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Farquhar | S/M | NMHS | NMHS | N | N | N | Ν | Ν | N/A | N | 0 | No. The station does not |
| | -, | _ | | | | | | | , | | ľ | disseminate data |
| | | | | | | | | | | | | internationally |
| La Digue | S/M | NMHS | SADC | N | N | N | N | N | N/A | N | 0 | No. The station does not |
| | 5/101 | | JADC | | | | 11 | | 11/7 | | 0 | disseminate data |
| | | | | | | | | | | | | internationally |
| | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| La Gogue PUC | 5/101 | | | ľ | ľ | ľ | Ŷ | ř | IN/A | | 0 | |
| Dam | | | | | | | | | | | | disseminate data |
| | 6.0.4 | | | | | | | | | <u>.</u> . | | internationally |
| La Misère, Maison | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| Muscade | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | ļ | ļ | internationally |
| Le Niole PUC | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| Waterworks | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Machabée | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Mt Josephine | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Mt. Posée | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| | | | | | | | | | - | | | disseminate data |
| | | | | | | | | | | | | internationally |
| Praslin | S/M | NMHS | NMHS | N | N | N | Ν | N | N/A | N | 0 | No. The station does not |
| | -, | | | | | | | | , | | Ŭ | disseminate data |
| | | | | | | | | | | | | internationally |
| Perseverance PUC | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| Desalination Plant | 3/101 | | | ' | | ' | • | | 1,1,7,1 | | 0 | disseminate data |
| Desamation name | | | | | | | | | | | | internationally |
| Seychelles | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N/A | 8 | No. Station to be |
| International | 5/101 | CLINING | | ' | ¹ | ^r | ľ | ľ | IN/A | | 0 | rehabilitated to meet |
| | | | | | | | | | | | | GBON requirements |
| Airport | C/N4 | | | Y | Y | Y | Y | Y | NI / A | N | 6 | No. The station does not |
| UniSey | S/M | NMHS | NMHS | Y | Y | Y | Ŷ | Y | N/A | IN | 0 | |
| | | | | | | | | | | | | disseminate data |
| | | | | . | | | | | | | | internationally |
| Victoria Harbour | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not |
| | | | | | | | | | | | | disseminate data |
| | | | | | | | | | | | | internationally |
| | | | | | | | | | | | | |

| Perseverance | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not disseminate data internationally |
|---|-----|------|------|---|---|---|---|---|-----|---|---|--|
| Fond Ferdinand | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not disseminate data internationally |
| Praslin Airport | S/M | NMHS | NMHS | Y | Y | Y | Y | Y | N/A | N | 0 | No. The station does not disseminate data internationally |
| Seychelles Inter. Airport (Rawinsonde Station) | UA | NMHS | NMHS | | Y | Y | Y | Y | | | 1 | No. Station to be rehabilitated to meet GBON requirements. |
| Aldabra | UA | NMHS | | | | | | | | | | New station to be established and installed |
| Coetivy | S/M | NMHS | | | | | | | | | | New station to be established and installed |

3. Results of the GBON National Gap Analysis

The technical and local assessment of the GBON stations indicated that there is a need to rehabilitate the surface land station located at the Seychelles International Airport. The 5 remaining stations will be re-opened and replaced with new Automatic Weather Stations that meet the GBON technical requirements.

The additional station, Coetivy, will be installed to cover the southern part of the Seychelles EEZ located approximately 290km from the south of Mahe. The inclusion of Coetivy will not pose any challenge particularly to the maintenance and sustainability of the station as SMA has a good partnership with institutions on the island.

| The reasons for the rehabilitation and installation of new AWS are depicted in the table | |
|--|--|
| below: | |

| # | Station name | Status | Data transfer protocol (MQTT/SMTP) | Station type |
|---|-------------------------------------|-------------------|---|--------------|
| 1 | Aldabra | Operational | Uses FTP technology instead of MQTT/SMTP | All-in-one |
| 2 | Desroches | Silent/no station | n/a | n/a |
| 3 | Farquhar | Silent/no station | n/a | n/a |
| 4 | La Digue | Silent | Uses FTP technology instead of MQTT/SMTP | All-in-one |
| 5 | Praslin | Silent/no station | n/a | n/a |
| 6 | Seychelles International Airport | Operational | Uses FTP technology instead of MQTT/SMTP | n/a |
| 7 | Coetivy | Planned | n/a | n/a |

Distance Table in Kilometers (km)

Station name Aldapra Aldabra Aldabra

| Aldabra | Aldat | Desroche | ar | | | al Airp | |
|-------------------------------------|-------|----------|----------|-------|---------|---------------|---------|
| Desroches | 925 | De | Farquhar | a | | tion | |
| Farquhar | 555 | 563 | Fan | Digue | | International | |
| La Digue | 1208 | 283 | 820 | La [| Praslin | | |
| Praslin | 1197 | 273 | 815 | 16 | Pra | helle | |
| Seychelles International Airport | 1161 | 236 | 772 | 48 | 43 | Seychelles | Coetivy |
| Coetivy | 1144 | 331 | 654 | 310 | 317 | 285 | ပိ |

Table IV. Results of the GBON national gap analysis.SLP: Atmospheric pressure; T: Temperature; H:Humidity; W: wind; P: Precipitation; SD: Snow depth; SST: Sea surface temperature.

| | Global GBON | Approved national | | Gap | | |
|---|-------------|----------------------|--------------|---------------|-----|--|
| GBON requirements | target | target | Reporting | To improve | New | |
| | | [# | of stations] | | | |
| Surface land stations | 6 | 7 | 1 | 1 | 6 | |
| Upper-air stations operated from land | 2 | 2 | 1 | 1 | 1 | |
| Surface marine stations in Exclusive Economic Zones: ⁷ Density 500 km Variables: SLP, SST Observing cycle: 1h Upper-air stations operated in Exclusive Economic Zones: ⁸ Density 1000 km | | | | | | |
| Vertical resolution: 100 m, up to 30 hPa Variables: T, H, W | | | | | | |

 ⁷ Although GBON marine stations are not part of initial SOFF scope, peer advisors are encouraged to analyze in this step when considered relevant e.g. SIDS, the need for future GBON marine observations investments according to the GBON requirements.
 ⁸ Although GBON marine stations are not part of initial SOFF scope, peer advisors are encouraged to analyze in this step when considered relevant e.g. SIDS, the need for future GBON marine observations investments according to the GBON requirements.

| Observing cycle: twice a day | | | |
|------------------------------|--|--|--|
| | | | |

3.1 Recommended existing surface, upper-air and marine¹⁰ stations to be designated to GBON

Table V. Recommended existing surface, upper-air and marine stations to be designated toGBON.

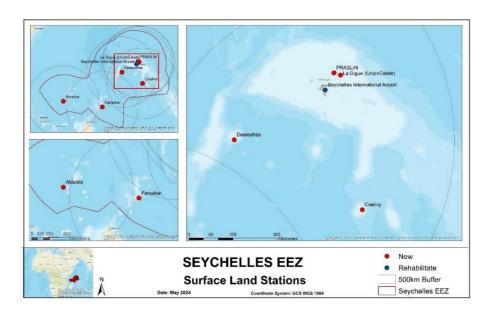
| Station name | Station type (S/UA/M ¹¹) |
|---------------------------------------|--------------------------------------|
| Aldabra | S/M |
| Desroches | S/M |
| Farquhar | S/M |
| La Digue | S/M |
| Praslin | S/M |
| Seychelles International Airport | S |
| Coevity | S/M |
| Seychelles Inter. Airport (Rawinsonde | UA |
| Station) | |
| Aldabra | UA |

Map of existing and newly proposed surface land stations with 500km (diameter) circles – SIDS

⁹ Although GBON marine stations are not part of initial SOFF scope, peer advisors are encouraged to analyze in this step when considered relevant e.g., SIDS, the need for future GBON marine observations investments according to the GBON requirements.

¹⁰ Although GBON marine stations are not part of initial SOFF scope, peer advisors are encouraged to analyze in this step when considered relevant e.g., SIDS, the need for future GBON marine observations investments according to the GBON requirements.

¹¹ Please see guidance on marine stations in Section 2 on Scope.



4. Report completion signatures

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