ESA – 820 CLIMATE STATISTICS

Summary of Quality Assessment Results

Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green

List of Contributing Datasets and Custodians

- Australian Climate Observation Reference Network (BoM)
- Australian Water Availability Analyses (BoM)
- Regional Sea Surface Temperature Analyses (BoM)

ESA Elements

Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Environment	Atmosphere	Includes information on temperature (ambient air and sea surface), rainfall, sea levels, including extremes.	Annually	National, State/ Territory, Key Regions (e.g. Murray Darling Basin), Individual Locations as Necessary	

Overall ESA Assessment

The quality of ESA – 820 Climate Statistics was assessed as a green traffic light for the purposes of ESA. The overall quality of this statistic met an acceptable standard for the quality indicators selected and the appropriate quality practices and processes were in place. This statistic quality assessment was based on quality information about the contributing datasets. Data custodians can be contacted for further information about the quality of the datasets which contributed to the statistic.

For more detailed quality information about each dimension, see over page

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Institutional Environment

The statistic scored a green traffic light for institutional environment. There were sufficient quality and risk management processes in place in most cases, protections for confidentiality and archiving processes. Staff were trained in the statistical purpose of the administrative records and in most cases data collation. While there were procedures for identifying errors, methods for acknowledging corrected errors in publically released data were not always in place.

Relevance

The statistic scored a green traffic light for relevance. Most of the key information identified in the description of the statistic was available; information about sea levels was lacking. The critical spatial levels identified for the statistic were available and there were no critical disaggregations identified for the statistic.

Timeliness

The statistic scored a green traffic light for timeliness. The critical frequency for the statistic was met. The duration between collection and release of data was timely and users were able to access the release of new data when expected.

Accuracy

The statistic scored a green traffic light for accuracy. The target population was represented sufficiently and there were either no known under or overcounts in the statistic or they were managed. There were sufficient measures in place to adjust for missing values. The accuracy was consistent for information collected within the datasets in most cases.

Coherence

The statistic scored a green traffic light for coherence. External sources were available for data confrontation. Most information for the statistic was able to be compared over time with population and characteristic definitions remaining consistent; however, collection procedures changed over time. There was some variation between data compiled from multiple administrative sources.

Interpretability

The statistic scored a green traffic light for interpretability. Information for users to better understand the data were available. Users were able to access additional support if needed. Data quality statements and descriptions of the conceptual limitations were available for most information.

Accessibility

The statistic scored a green traffic light for accessibility. The key information, including visualisations such as graphs or maps, was publicly available and users could access all data in a machine readable format, most data in Excel and some data in other formats such as html. The key information was accessible for free with customised data available at a cost.

Areas for Improvement

- Key information in the description of the statistic was available from the contributing datasets; however information about sea levels was lacking.
- There was some variation between data compiled from multiple administrative sources.
- Data quality statements and descriptions of the conceptual limitations were not available for some information.