

ImplementationPlan.md

Version: 1.0.0 **Target:** 0.115.0-Beta

1. File Identification

- **File:** web_app/analyzer/templates/analyzer/qso_dashboard.html
- **Baseline Version:** 0.114.0-Beta

2. Surgical Changes The user reported that the "QSO Rate Comparison Plot" is not rendering correctly in the dashboard; the data table is truncated and overlaps the legend.

- **Root Cause Analysis:** The `iframe` containers for the "Global Context" and "Cumulative Points" charts are hardcoded to `height: 500px` in the HTML template. However, the reports generated by `plot_qso_rate.py` and `plot_point_rate.py` are complex multi-subplot figures (Chart + Data Table) designed for a vertical canvas of approximately `900px`. Constraining them to `500px` forces the Plotly engine to squash the subplots, causing the overlap and truncation.
- **Action:** Increase the CSS height of the container `divs` for both the "Global Context" chart and the "Cumulative Points" chart from `500px` to `900px`.

3. Surgical Change Verification (`diff`) --- BEGIN DIFF ---

```
web_app/analyzer/templates/analyzer/qso_dashboard.html +++ web_app/analyzer/templates/analyzer/qso_dashboard.html
@@ -19,3 +19,3 @@
```

- `<div class="card-body p-0" style="height: 500px;">`
 - `<div class="card-body p-0" style="height: 900px;">`
 `<iframe src="{% url 'view_report' session_id global_qso_rate_file %}?chrn=`
- ```
@@ -88,3 +88,3 @@
```
- `<div class="card-body p-0" style="height: 500px;">`
  - `<div class="card-body p-0" style="height: 900px;">`  
 `<iframe src="{% url 'view_report' session_id global_point_rate_file %}?`

--- END DIFF ---

**3.a. Ground Truth Declaration** I declare that the `diff` above is generated against the definitive baseline **Version 0.114.0-Beta** of `web_app/analyzer/templates/analyzer/qso_dashboard.html`.

## 4. Affected Modules Checklist

- `web_app/analyzer/templates/analyzer/qso_dashboard.html` (Primary Fix)
- **Systemic Check:** Reviewed `plot_qso_rate.py` and `plot_point_rate.py`. Both define a preferred height of `900px` (or `1200px` for PNGs). The

HTML template change aligns the container with the generator's design intent.

## 5. Pre-Flight Check

- **Inputs:** `web_app/analyzer/templates/analyzer/qso_dashboard.html`
- **Expected Outcome:** The "Global Context" and "Cumulative Points" charts on the QSO Dashboard will render with a height of 900 pixels, providing sufficient vertical space for the data table and legend to appear without overlap or truncation.
- **Mental Walkthrough:**
  1. User loads `qso_dashboard`.
  2. Browser renders the "Global Context" card.
  3. The `div` containing the iframe now claims 900px of height.
  4. The Plotly chart inside the iframe (set to `autosize=True`) expands to fill the 900px.
  5. The internal layout of the chart (70% Graph, 30% Table) now has enough absolute pixels to render the table rows and headers clearly.
- **Backward Compatibility:** This change only affects the visual presentation layer (CSS height). It does not alter data processing or URL routing.

## 6. Post-Generation Verification

I confirm this plan contains all required sections, including the Metadata Header, Ground Truth Declaration, and Surgical diff. **Next Action:** I will issue the standardized prompt for plan approval.