

Implementation Plan - Fix Dashboard Band Sorting

Version: 1.2.0 **Target:** 0.135.2-Beta

1. File Identification

File: web_app/analyzer/views.py **Version:** 0.135.1-Beta

2. Surgical Changes

The file naming convention used by the report generator creates filenames like `qso_rate_plots_160_cw...` (numeric band only), but the `BAND_SORT_ORDER` dictionary expects keys like `160M`. This mismatch causes the lookup to fail, resulting in a default sort value of 99 and incorrect ordering in the dashboard tabs.

We will inject a normalization step in both plot discovery loops (`point_plots` and `qso_band_plots`) to ensure numeric band segments are converted to the expected format (e.g., `160` -> `160M`).

Logic Injection:

1. In `qso_dashboard`, locate the parsing block for `point_plots`.
2. After extracting `band_key`, check if `band_key.isdigit(): band_key += 'M'`.
3. Repeat this logic for the `qso_band_plots` parsing block.

3. Surgical Change Verification (diff)

```
--- BEGIN DIFF ---
--- web_app/analyzer/views.py
+++ web_app/analyzer/views.py
@@ -2079,6 +2079,9 @@
 
     if parts:
         band_key = parts[0].upper()
+
+        # Normalize numeric bands to match sort keys (160 -> 160M)
+
         if band_key.isdigit():
             band_key += 'M'
         label = "All Bands" if band_key == 'ALL' else band_key
+
         sort_val = BAND_SORT_ORDER.get(band_key, 99)
 
@@ -2088,6 +2091,9 @@
 
     if parts:
         band_key = parts[0].upper()
+
+        # Normalize numeric bands to match sort keys (160 -> 160M)
+
         if band_key.isdigit():
             band_key += 'M'
         label = "All Bands" if band_key == 'ALL' else band_key
+
         sort_val = BAND_SORT_ORDER.get(band_key, 99)
```

```
+             if band_key.isdigit():
+                 band_key += 'M'

# Skip "ALL" bands since it is in the top pane
if band_key == 'ALL':
--- END DIFF ---
```