

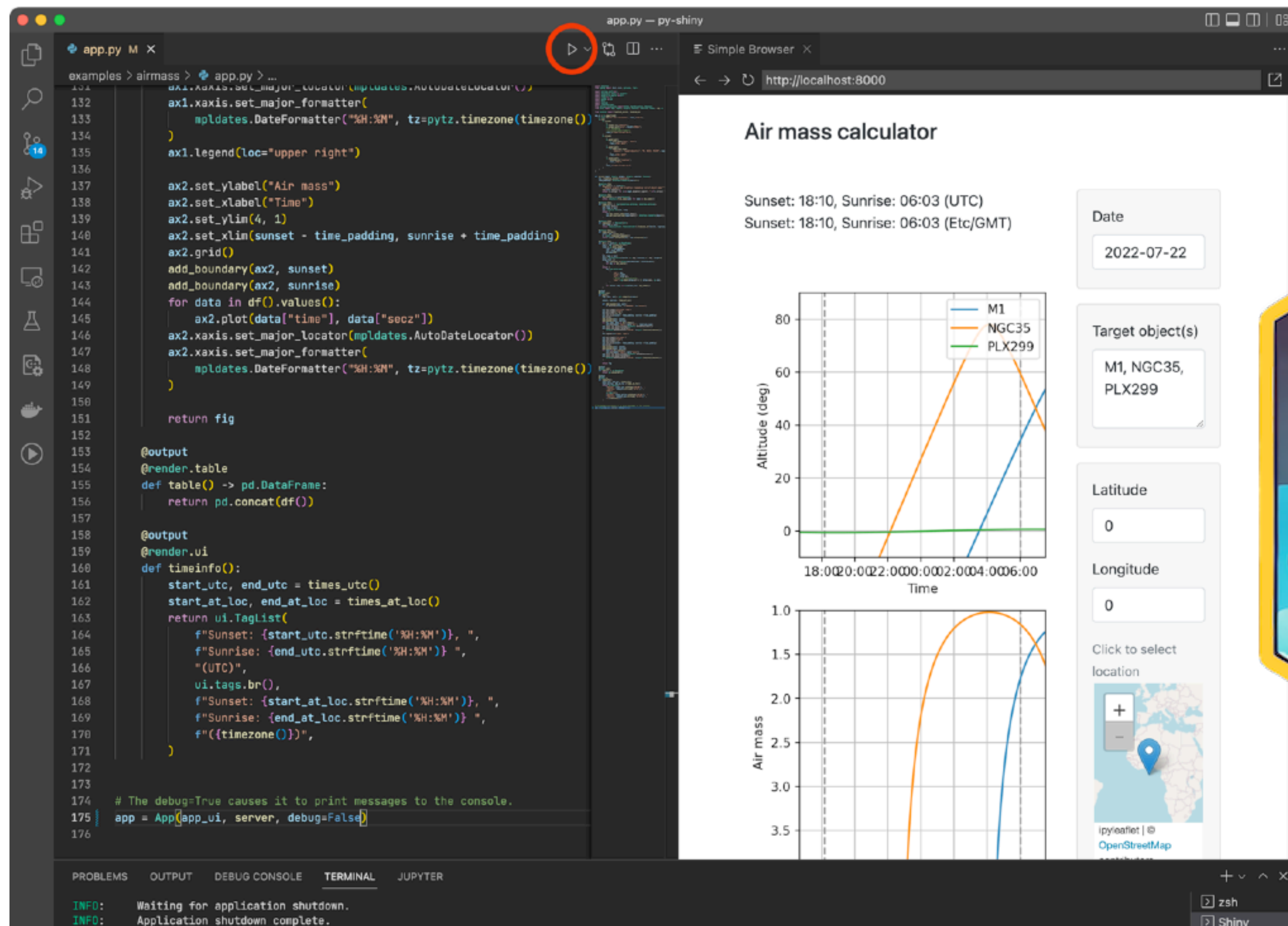


# Extensions

# Positron +1e extension by Garrick Aden-Buie

<https://github.com/gadenbuie/positron-plus-1-e>

## Shiny: Debug Shiny apps



The screenshot displays the Positron IDE interface. On the left, the R code for a Shiny app is visible, with a red circle highlighting the debug button in the top toolbar. The right pane shows the app's output, which includes a plot of altitude (deg) vs time and a table of sunset/sunrise times. The plot shows three lines: M1 (blue), NGC35 (orange), and PLX299 (green). The table shows sunset and sunrise times for the selected target objects.

```
examples > airmass > app.py > ...  
132 ax1.xaxis.set_major_formatter(  
133     mldates.DateFormatter("%H:%M", tz=pytz.timezone(timezone()))  
134 )  
135 ax1.legend(loc="upper right")  
136  
137 ax2.set_ylabel("Air mass")  
138 ax2.set_xlabel("Time")  
139 ax2.set_ylim(4, 1)  
140 ax2.set_xlim(sunset - time_padding, sunrise + time_padding)  
141 ax2.grid()  
142 add_boundary(ax2, sunset)  
143 add_boundary(ax2, sunrise)  
144 for data in df().values():  
145     ax2.plot(data["time"], data["secz"])  
146 ax2.xaxis.set_major_locator(mldates.AutoDateLocator())  
147 ax2.xaxis.set_major_formatter(  
148     mldates.DateFormatter("%H:%M", tz=pytz.timezone(timezone()))  
149 )  
150  
151 return fig  
152  
153 @output  
154 @render.table  
155 def table() -> pd.DataFrame:  
156     return pd.concat(df())  
157  
158 @output  
159 @render.ui  
160 def timeinfo():  
161     start_utc, end_utc = times_utc()  
162     start_at_loc, end_at_loc = times_at_loc()  
163     return ui.TagList(  
164         f"Sunset: {start_utc.strftime('%H:%M')}, ",  
165         f"Sunrise: {end_utc.strftime('%H:%M')}, ",  
166         "(UTC)",  
167         ui.tags.br(),  
168         f"Sunset: {start_at_loc.strftime('%H:%M')}, ",  
169         f"Sunrise: {end_at_loc.strftime('%H:%M')}, ",  
170         f"({timezone()})",  
171     )  
172  
173  
174 # The debug=True causes it to print messages to the console.  
175 app = App(app_ui, server, debug=False)  
176
```

## Air: R Language Formatter

