**N5QC Pico Balloons Background**

**Steve N5QC Pico Ballooning Adventures**

Project Git and File Structure Created 4/14/2024

**Current Phase Pre-Planning**

* Pre-Planning Activities
* Background Documentation
* Reading
  + Background Articles Here
    - 1\_0\_WSPR\_Pi\_Pico\_High\_Altitude\_Balloon
      * 1\_1\_EngineerGuy314-pico-WSPRer
        + Clone git sight and poke around
        + vv
        + 1\_2\_Rpiks\_WSPR\_beacon\_for\_Raspberry\_Pi\_Pico

Clone git sight and poke around

* + Other Historical Resources
  + Do some surfing
    - <https://nibbb.org/>
* Brainstorming
  + Do a Mmind Map
  + Integrate with Pico Pi Python Class Exercises
  + Build a local prototype
  + Ground Deploy – Perhaps while traveling
    - Battery Powered
  + Add Solar
  + Add Balloon
  + Do a flight
* Project Skeleton Development

1. Scope
   1. Start with Bench Test
   2. Move to battery mobile ops
   3. Add solar
   4. Add Balloon
   5. Needs
      1. Knowledge
      2. Skills
      3. Stuff
2. Schedule
   1. Fill in as time allows
   2. Build this as it gets more refined
3. Cost
   1. One Time and Infrastructure / Overhead
   2. Build a First Flight Costed BOM
   3. Build a Second Flight Costed BOM
   4. Repetitive Consumables

From the README as of 4/15/24

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Project Skeleton Development

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2. Schedule

3. Cost