

## Solar cooking Test Results.

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These measurements were made June 20-22, 2010: between 12 and 2 pm.

Points to consider:

- The Cookit is lightweight and inexpensive, but if it gets wet it loses rigidity and will eventually fall apart because the backing is untreated cardboard.
- The ovenproof turkey bag currently used with the Cookit can be torn and stretched fairly easily when it is being shaken dry, turned inside out and cleaned after usage.
- The Beacon bag is quite tough. I was unable to tear or stretch it using my bare hands, even after scrubbing it with soap and water.
- The plastic fluteboard Cookit is completely waterproof but it is too stiff to fold up.
- My homemade Cookit is constructed using a large cardboard box I found in a dumpster and some heavy duty aluminum foil.

1. SCI Cookit with Beacon plastic bag (slightly milky plastic) rolled and sealed with metal binder clips, using a black metal pot with no-lid and a thermometer--245 degrees F. after 30-40 minutes.



2. SCI Cookit with several Beacon Converter plastic bags cut and fashioned into an oval cover (not a tight seal) using a black metal pot with no-lid and a thermometer -- 240 degrees F. 30-40 minutes.



3. SCI Cookit using a black metal pot with no-lid, a thermometer, and a clear, heat resistant Turkey Bag sealed with twine - 250 degrees 30-40 minutes



4. SCI Cookit with a clear, [Acrylic dome cake cover](#), a black metal pot with no-lid and a thermometer--280 degrees F. after 40 minutes.



5. Water-proof, plastic flute board (Solar Clutch) a black metal pot with no-lid and a thermometer, under an acrylic cake dome (not a tight seal)--250 F after 40 minutes.



6. Water-proof, plastic flute board (Solar Clutch) with Beacon Converter plastic bag (slightly milky plastic) rolled and sealed with metal binder clips, using a black metal pot with no-lid and a thermometer-- 210 f. after forty minutes.



7. My homemade cardboard and aluminum foil solar cooker with Beacon Converter plastic bag (slightly milky plastic) rolled and sealed with metal binder clips, using a black metal pot with no-lid and a thermometer -- 200 f. after forty minutes.



8. My homemade cardboard and aluminum foil solar cooker with acrylic cake dome—280 f. after forty minutes.

