Microsolar (Coaxial Multivalve Thermosyphon Solar Heater), 264 liters capacity, 3.2 sqm Collector

Date	Time																	
	0030			0230			0430			0630			0830			1030		
	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal
15-09-2008																		
16-09-2008	52	36.5	9636	51	35.5	9372	50.5	35.5	9372	46.5	30.5	8052	47	31	8184	48	30	7920

Date	Time																	
	1230			1430			1630			1830			2030			2230		
	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal
15-09-2008				60	42	11088	59.5	42.5	11220	58	41	10824	55	39	10296	54	38	10032
16-09-2008	53	35	9240	60	42	11088												

Conventional Single Valve Thermosyphon Solar Heater,   150 liters capacity,   4.2 sqm Collector

Date	Time																	
	0030			0230			0430			0630			0830			1030		
	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal
15-09-2008																		
16-09-2008	36.5	21	3150	34.5	19	2850	32	17	2550	30	14	2100	29	13	1950	42	24	3600

Date	Time																	
	1230			1430			1630			1830			2030			2230		
	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal	Temp	△Temp	Kcal
15-09-2008				46	28	4200	43	26	3900	41	24	3600	38.5	22.5	3375	37	21	3150
16-09-2008	53	35	5250	60	42	6300												

Comparison of Microsolar (Multivalve) & Conventional Single Valve Solar Heater
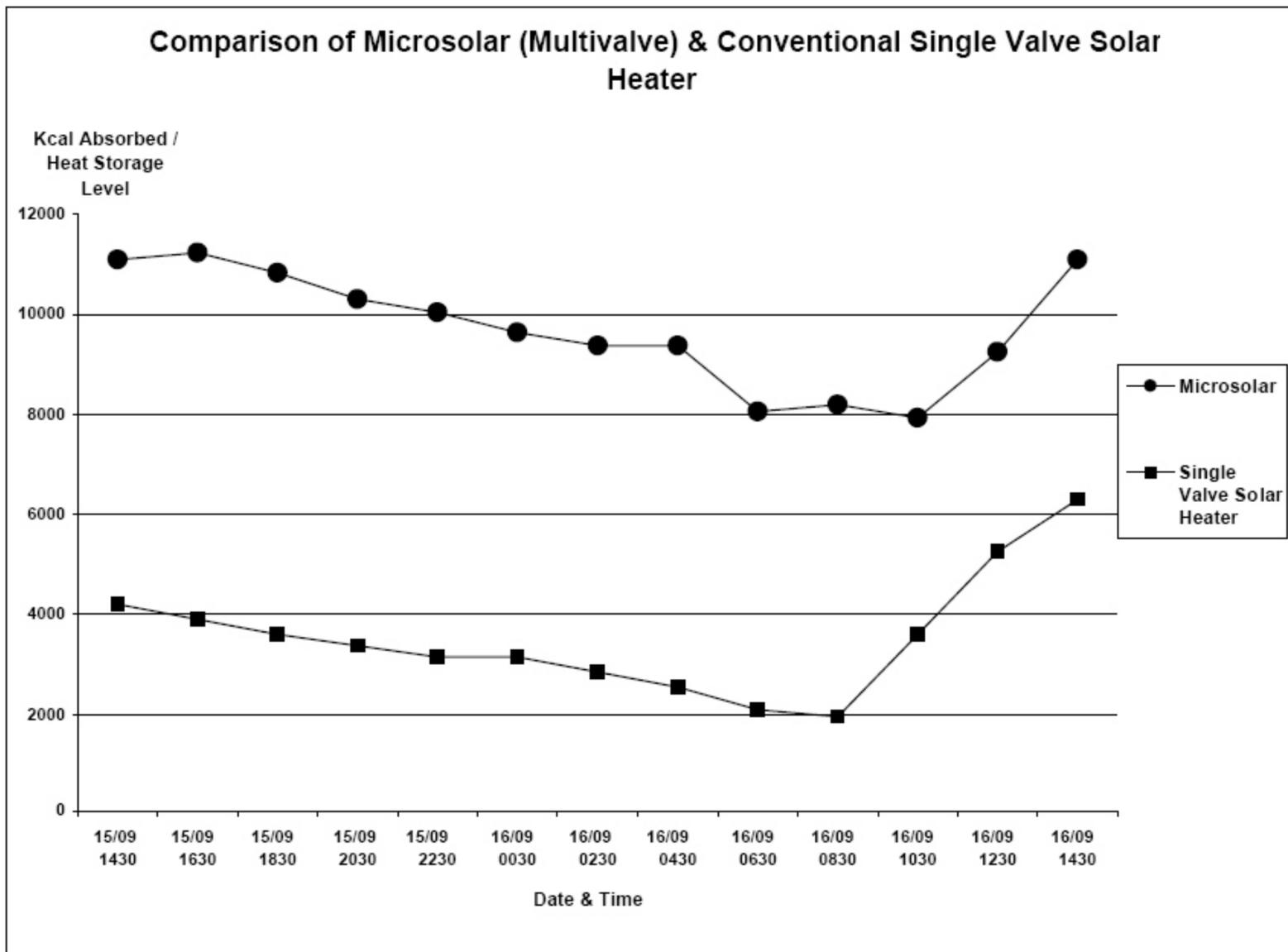
Note: 1.) Temperature rise (△temp) = temperature reading at mid level solar hot water storage tank - base temperature
      2.) Kilocalorie collected (Kcal) = temperature rise degree c x capacity litres