

# Turbo Cooling Tests: Water Cooled System, Red One Ground Run vs. Flight Temperatures Comparison

Time After Shutdown minutes	6. System Configuration 4 - New Fan: Flight 02/27/18			5. System Configuration 3: Pump + Fan AUTO, Cowling On (6" dia. vents installed): Ground Run 02/14/18			
	Turbine	Bearing	Ambient	Turbine	Bearing	Ambient	
In-Flight, 38" MAP climb	-17	601	180	103			
In-Flight, 25" MAP cruise	-15	688	193	108			
In-Flight, 29" MAP cruise	-11	693	194	119			
At Shutdown	-0.5			760	211		
Shutdown +0	0		173				
Shutdown +1	1			745	202	164	
Shutdown +2	2	508	184	139	715	203	164
Shutdown +3	3				689	209	162
Shutdown +4	4	479	182	140	644	203	160
Shutdown +5	5				623	203	158
Shutdown +6	6	452	173	135	601	196	157
Shutdown +7	7				574	193	155
Shutdown +8	8	436	167	133	560	191	151
Shutdown +9	9	425	171	133	549	191	155
Shutdown +10	10	401	169	131	535	191	155
Shutdown +11	11				509	189	151
Shutdown +12	12				497	180	149
Shutdown +13	13	364	153	124	482	184	148
Shutdown +14	14				463	180	151
Shutdown +15	15	324	146	122	450	175	148
Shutdown +16	16				428	176	144
Shutdown +17	17	317	148	115	414	173	142
Shutdown +18	18				398	167	140
Shutdown +19	19				380	166	140
Shutdown +20	20	304	140	124	369	157	139
Shutdown +21	21						
Shutdown +22	22						
Shutdown +23	23						
Shutdown +24	24						
Shutdown +25	25						
Shutdown +26	26						
Shutdown +27	27						
Shutdown +28	28						
Shutdown +29	29						
Shutdown +30	30						

Fan + Pump AUTO On  
 Fan + Pump AUTO Off

