

N12095- C-177B		Data collected on random flights under stable cruise and no-turbulence conditions								
TAS was calculated using a utility in the Garmin GTN-650, OAT was taken from windshield-mounted thermometer										
Date	Altitude	IAS kts	TAS kts	OAT deg C	RPM	MP	Fuel Flow	EGT	CHT	Oil T degs F
5-Jun-18	10,500	108	128	4	2340	19.5	8.2	1404	350	168
5-Jun-18	12,500	105	128	-4	2350	18	8.3	1354	320	
9-Jul-18	11,500	101	125	12	2340	19	7.5	1416	360	
9-Jul-18	11,500	104	127	12	2330	19	7.8	1390	350	190
20-Aug-18	9,500	108	127	14	2200	20.5	7.6	1420	355	189
26-Aug-18	11,500	102	124	10	2330	19	7.5	1430	356	189
29-Aug-18	9,500	108	124	4	2270	20	7.4	1465	341	169
29-Aug-18	10,500	105	128	9	2320	20	7.4	1463	359	180
22-Sep-18	8,500	110	128	16	2290	21.5	7.5	1465	360	184
22-Sep-18	9,500	110	129	12	2250	20.5	7.4	1440	361	181
18-Oct-18	9,500	108	125	5	2330	21	7.9	1463	349	172
18-Oct-18	10,500	108	127	2	2320	20	7.8	1446	342	169
9-Nov-18	10,500	109	127	-4	2270	20	7.2	1448	333	170
9-Nov-18	11,500	104	123	-4	2270	19	7.5	1442	322	167
16-Nov-18	10,500	110	130	2	2270	20	7.6	1438	334	169
26-Nov-18	9,700	109	125	-2	2300	20.5	7.4	1460	343	168
26-Nov-18	11,200	104	120	-2	2280	19	7.4	1430	326	167
30-Jan-19	10,500	106	122	-8	2240	19.5	7.5	1440	335	170
30-Jan-19	11,500	104	122	-10	2230	19	7.3	1440	321	168
26-Mar-19	8,500	110	125	8	2230	22	7.8	1460	358	172
9-Apr-19	6,500	110	123	14	2240	22	8.5	1440	353	180
13-Apr-19	12,500	107	129	-10	2230	18	6.6	1435	315	164
25-Jun-19	6,500	110	125	19	2230	22	8.2	1412	365	192
12-Dec-19	10,000	110	128	0	2300	20	7.9	1460	327	171
13-Dec-19	10,500	107	125	-4	2240	19.5	7.9	1440	315	169
13-Dec-19	10,500	107	125	-4	2240	19.5	7.9	1440	315	169
31-Dec-19	9,500	110	125	-5	2310	20	8.1	1475	318	170
12-Feb-20	10,500	108	125	-8	2240	19.5	7.8	1435	304	168
12-Feb-20	10,500	108	126	-4	2260	19.5	8.0	1423	315	167
11-Apr-20	9,500	109	127*	3	2230	20	8.0	1420	332	167

8-Jul-20	10,500	100	121*	13	2270	19.5	7.8	1419	352	189	
8-Jul-20	11,500	108	130*	14	2260	19	7.5	1410	338	179	
23-Oct-20	10,500	108	128*	6	2200	20	8.5	1382	318	168	
3-Nov-20	6,500	112	124*	12	2210	22	8.2	1455	344	176	
5-Nov-20	10,500	110	131*	8	2220	20	7.9	1419	335	174	
11-Dec-20	12,700	100	122*	0	2220	18	7.5	1382	326	168	
26-Dec-20	11,500	103	122*	-1	2220	19	7.3	1424	321	167	
4-Jan-21	7,500	116	128*	0	2300	22	8.9	1472	**355	173	
4-Jan-21	8,500	111	125*	0	2300	22	8.5	1475	**355	169	
14-Jan-21	8,100	112	125*	-2	2250	22	8.4	1487	**352	174	
20-Jan-21	5,700	110	119*	6	2210	22	8.5	1465	**355	172	
27-Jan-21	10,500	110	126*	-12	2230	20	7.9	1465	330	166	
8-Feb-21	10,500	110	127*	-10	2260	20	8.2	1432	342	171	
2-Mar-21	10,500	106	124*	-2	2260	20	7.8	1443	322	166	
			*wheel fairings removed				**winter baffles installed				