

ATTACHMENT 1

Aircraft Type A320, Flight length 2500NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 36 |
| 2000 ft below optimum altitude | 72 |
| 3000 ft below optimum altitude | 118 |
| 4000 ft below optimum altitude | 172 |
| 5000 ft below optimum altitude | 254 |
| 6000 ft below optimum altitude | 336 |

No data used B757 data

Aircraft Type A332, Flight length 4454NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 35 |
| 2000 ft below optimum altitude | 71 |
| 3000 ft below optimum altitude | 136 |
| 4000 ft below optimum altitude | 182 |
| 5000 ft below optimum altitude | 251 |
| 6000 ft below optimum altitude | 321 |

Extrapolated Data

Aircraft Type B737, Flight length 2100NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 13 |
| 2000 ft below optimum altitude | 24 |
| 3000 ft below optimum altitude | 53 |
| 4000 ft below optimum altitude | 89 |
| 5000 ft below optimum altitude | 142 |
| 6000 ft below optimum altitude | 272 |

Aircraft Type B738, Flight length 2100NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 13 |
| 2000 ft below optimum altitude | 24 |
| 3000 ft below optimum altitude | 53 |
| 4000 ft below optimum altitude | 89 |
| 5000 ft below optimum altitude | 142 |
| 6000 ft below optimum altitude | 272 |

Aircraft Type B744, Flight length 5500NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 131 |
| 2000 ft below optimum altitude | 133 |
| 3000 ft below optimum altitude | 348 |
| 4000 ft below optimum altitude | 397 |
| 5000 ft below optimum altitude | 761 |
| 6000 ft below optimum altitude | 800 |

ATTACHMENT 1

Aircraft Type B752, Flight length 2100NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 48 |
| 2000 ft below optimum altitude | 81 |
| 3000 ft below optimum altitude | 119 |
| 4000 ft below optimum altitude | 150 |
| 5000 ft below optimum altitude | 214 |
| 6000 ft below optimum altitude | 254 |

Aircraft Type B763/B764, Flight length 2100NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 52 |
| 2000 ft below optimum altitude | 84 |
| 3000 ft below optimum altitude | 117 |
| 4000 ft below optimum altitude | 164 |
| 5000 ft below optimum altitude | 238 |
| 6000 ft below optimum altitude | 327 |

Aircraft Type B772, Flight length 5500NM, Average weight

| Altitude | Ave Additional Fuel burn per hour kg |
|--------------------------------|--------------------------------------|
| 1000 ft below optimum altitude | 20 |
| 2000 ft below optimum altitude | 139 |
| 3000 ft below optimum altitude | 292 |
| 4000 ft below optimum altitude | 312 |
| 5000 ft below optimum altitude | 595 |
| 6000 ft below optimum altitude | 640 |