

Star Wars Aviation Emissions Data by Rebecca Harrison

Screen-Reader Compatible

Table 1. Table showing estimated greenhouse gas emissions as an equivalent of carbon dioxide (kg CO₂e) produced by one crew member flying to all the locations used during production for each of Star Wars films, with time in whole years for a mature tree* to sequester the equivalent carbon.

Position	Film	Year of release	Greenhouse gas emissions, kg CO ₂ e	Tree sequestration of carbon, years
1	<i>Solo</i>	2018	4084	194
2	<i>The Empire Strikes Back</i>	1980	4400	210
3	<i>Return of the Jedi</i>	1983	4821	230
4	<i>The Phantom Menace</i>	1999	5004	238
5	<i>The Rise of Skywalker</i>	2018	5558	265
6	<i>A New Hope</i>	1977	5570	265
7	<i>The Force Awakens</i>	2015	8159	389
8	<i>The Last Jedi</i>	2017	8163	389
9	<i>Rogue One</i>	2016	10211	486
10	<i>Attack of the Clones</i>	2002	14823	706
11	<i>Revenge of the Sith</i>	2005	17501	833

*Tree-planting is [not a solution](#) for human overconsumption of carbon. (The chances of a 20-year old mature tree surviving deforestation and overdevelopment and making it to 194 are surely low). I've included the number of years it'd take a mature tree to sequester the equivalent amount of carbon produced by the flights for each film only to help make the results more tangible. Data used to make these calculations can be found [here](#).