		Means...	Could this trend be an effect of climate warming?	Could this trend also be contributing to more climate warming in the region?	Could this trend also be contributing to less climate warming in the region?	Other reasons for the trend?
Higher values of...	**Cloud Fraction, in places with cloudy wet climates**	more cloudiness	Some scientists believe that global warming could be bringing even cloudier wetter climates to these places because the warming temperatures would cause greater amounts of the water to evaporate, persist as clouds, condense, and precipitate.	Water vapor is said to account for somewhere between 60 percent and 70 percent of the greenhouse effect[1].) so these cloudy places could be experiencing more warming from the greenhouse effect	Clouds also block solar radiation from hitting the surface, so greater cloudiness could contribute less local climate warming as well.	Annual oscillation-induced events such as El Nino or La Nina
Lower values of...	**Cloud Fraction, in places with cloudy wet climates**	less cloudiness	Unlikely	Less cloudiness could contribute to a warming climate over the region by increasing the amount of incoming solar radiation hitting the ground and being re-radiated back into the atmosphere; some of which will (due to greenhouse gases), stay in the atmosphere rather than escape back out into space.	Unlikely	Annual oscillation-induced events such as El Nino or La Nina

		Means...	**Could this trend be an effect of climate warming?**	**Could this trend also be contributing to more climate warming in the region?**	**Could this trend also be contributing to less climate warming in the region?**	**Other reasons for the trend?**
Higher values of...	**Cloud Fraction in places with clear, dry climates**	more cloudiness	Unlikely	Unlikely	Unlikely	Annual oscillation-induced events such as El Nino or La Nina
Lower values of...	**Cloud Fraction in places with clear, dry climates**	less cloudiness	Some scientists believe that global warming could be causing dry climates to get even drier. In dry places, hotter air in the atmosphere could lead to drier surfaces and hence less water that can be evaporated into the air, and even if it evaporates, the hotter air would keep the vapor from coalescing into the greater vapor densities that make up clouds.	Less cloudiness could contribute to a warming climate over the region by increasing the amount of incoming solar radiation hitting the ground and getting re-radiated back into the atmosphere	Unlikely	Annual oscillation-induced events such as El Nino or La Nina

		Means...	Could this trend be an effect of climate warming?	Could this trend also be contributing to more climate warming in the region?	Could this trend also be contributing to less climate warming in the region?	Other reasons for the trend?
Higher values of...	**Relative Humidity**	Cooler air, wetter air, or both	Yes in regions that are predicted to get wetter rather than drier due to their proximity to oceans and mountains, and weather patterns	Yes, through more water vapor in the air trapping reradiated solar energy/heat back down into the atmosphere rather than escaping into space. Water vapor is a greenhouse gas.	Yes, through more clouds doing more shielding of the ground from incoming solar radiation	
Lower values of...	**Relative Humidity**	Warmer air, drier air, or both	Yes in regions that are predicted to get drier due to their proximity to oceans and mountains, and weather patterns	Yes, if the lower relative humidity values are the result of less water vapor rather than temperature increase, suggesting that the climate is getting drier. Drier climate means sunnier weather and hence more incoming solar radiation reaching the ground rather than being deflected back into space by the tops of clouds.	Yes. Drier air means less water vapor, which is a greenhouse gas.	

		Means...	**Could this trend be an effect of climate warming?**	**Could this trend also be contributing to more climate warming in the region?**	**Could this trend also be contributing to less climate warming in the region?**	**Other reasons for the trend?**
Higher values of...	**Stratospheric temperature in the Temperature Profile data parameter**	Warmer stratosphere	Unlikely	Unlikely		
Lower values of...	**Stratospheric temperatures in the Temperature Profile data parameter**	Colder stratosphere	Yes because increased greenhouse gases cause more outgoing longwave radiation (sensible heat) to stay to stay trapped in the troposphere rather than rise to warm the stratosphere.	Unlikely		