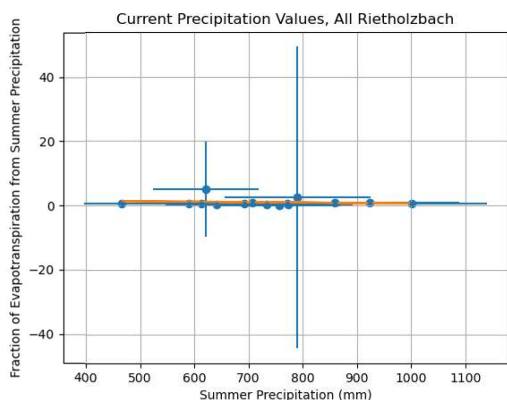


All Rietholzbach Catchment

1994 - 2008

Current Year Precipitation Values



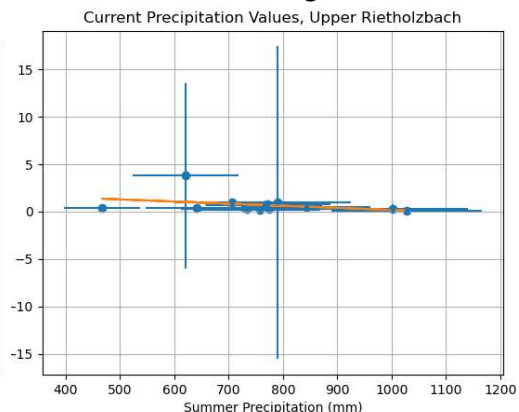
$$R^2: 0.02062285325858835$$

$$\text{Equation: } y = -0.00131003x + 1.98707$$

Upper Rietholzbach

1995 - 2013

Removed years 1997, 1998, 1999, 2007, and 2008 due to missing runoff flux data

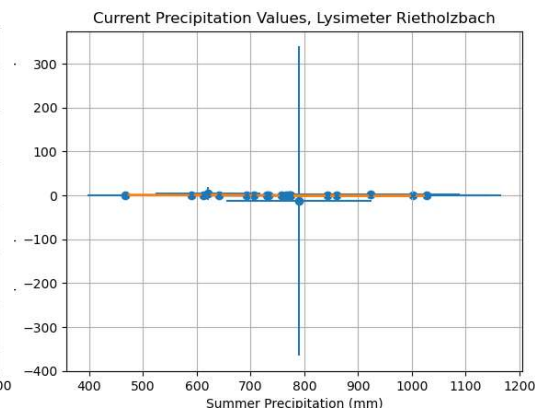


$$R^2: 0.11656195999640262$$

$$\text{Equation: } y = -0.00222427x + 2.39504$$

Lysimeter

1995 - 2012

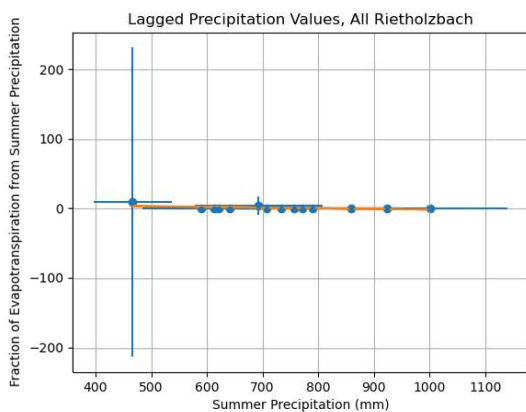


$$R^2: 0.0162045119927261$$

$$\text{Equation: } y = -0.00309701x + 2.35686$$

Lag time = 1 year

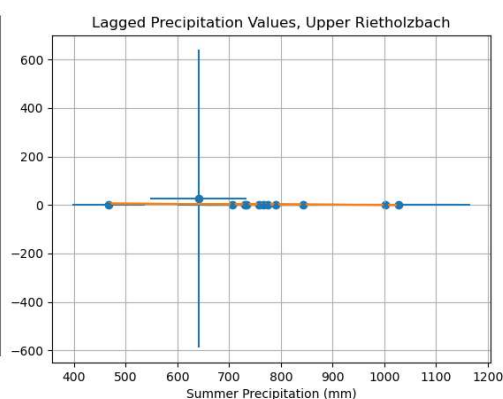
Lagged Precipitation Values



$$R^2: 0.27644114150392274$$

$$\text{Equation: } y = -0.00943572x + 8.39506$$

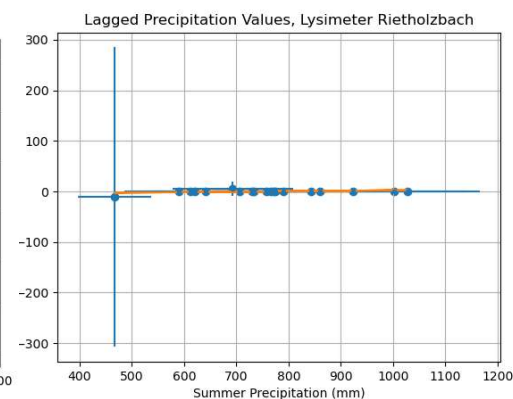
Lag time = 2 years



$$R^2: 0.05291015260530052$$

$$\text{Equation: } y = -0.0109874x + 11.03885$$

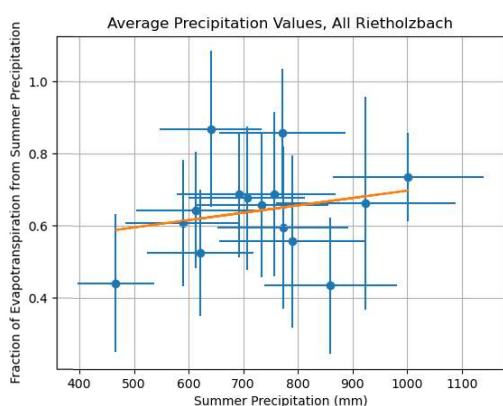
Lag time = 1 year



$$R^2: 0.19110209354975227$$

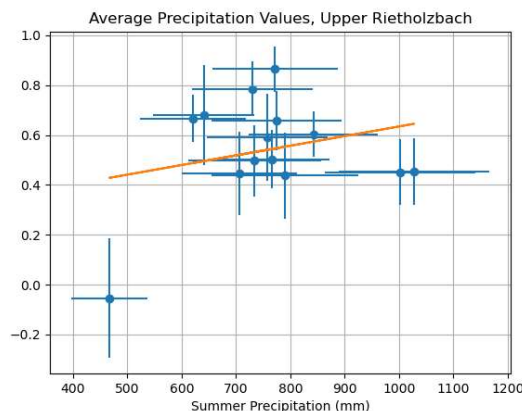
$$\text{Equation: } y = 0.00916512x - 6.81056$$

Averaged Precipitation Values



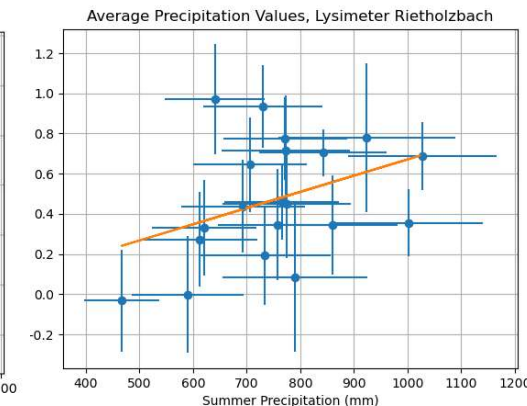
$$R^2: 0.049462639939535924$$

$$\text{Equation: } y = 0.00020409x + 0.49403$$



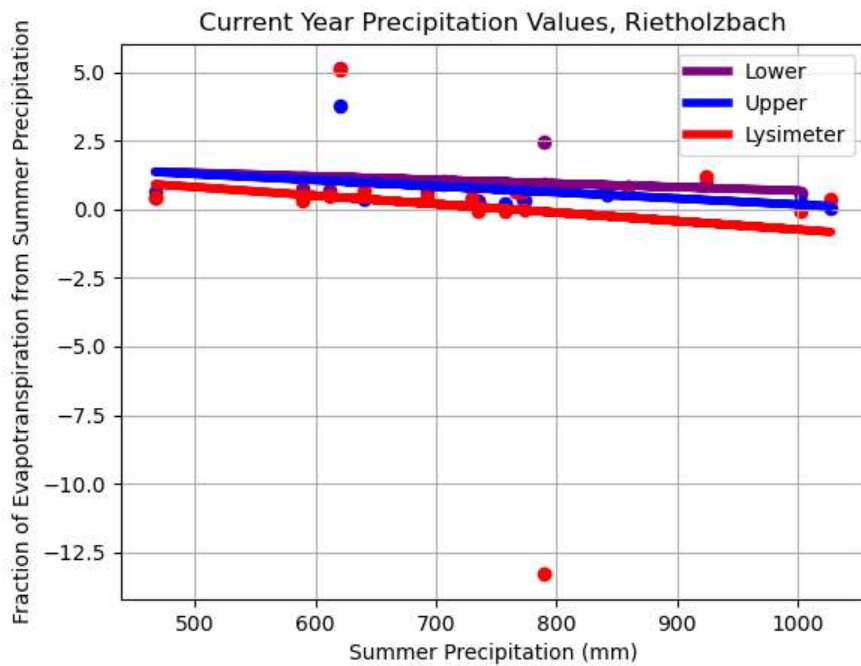
$$R^2: 0.0640704417733644$$

$$\text{Equation: } y = 0.00038682x + 0.24789$$

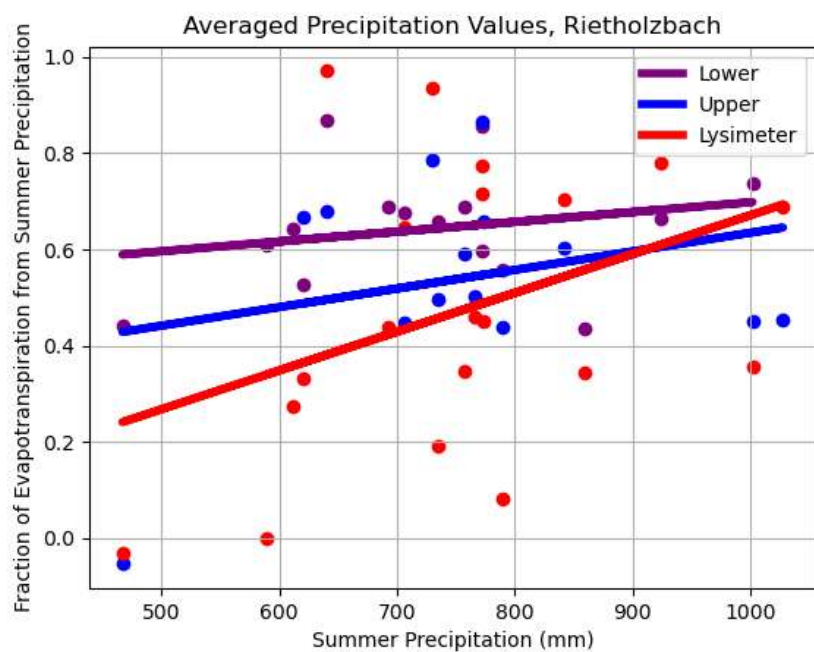
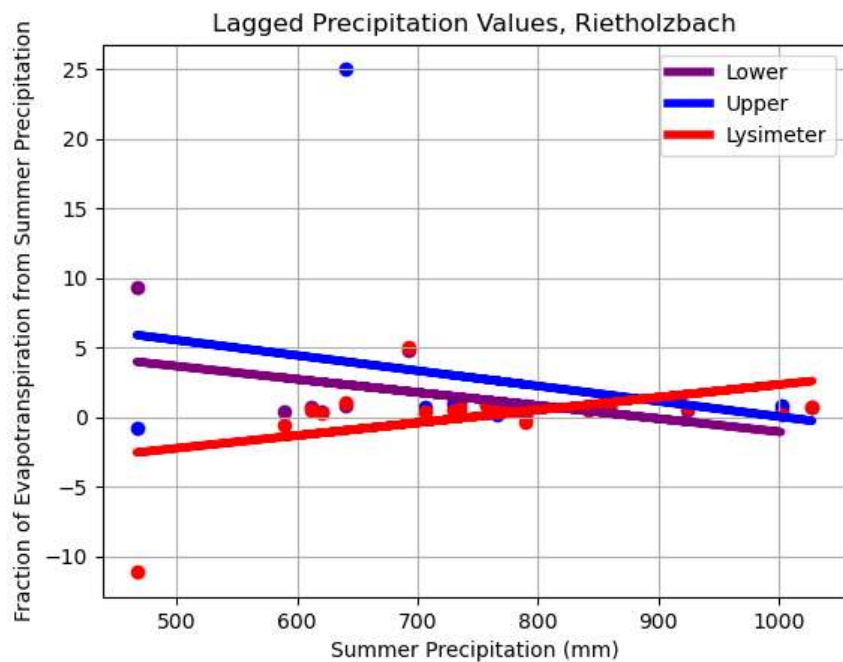


$$R^2: 0.1392716205047373$$

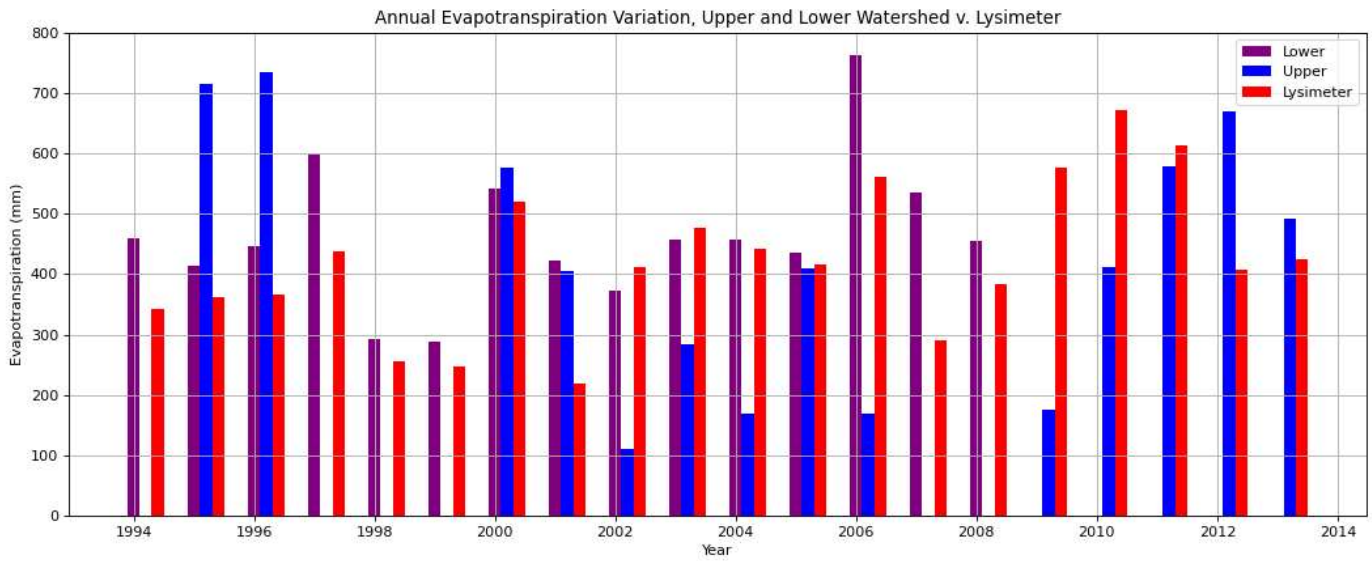
$$\text{Equation: } y = 0.00080748x - 0.13629$$



**Fraction ET From
Summer Precipitation by
Summer Precipitation**

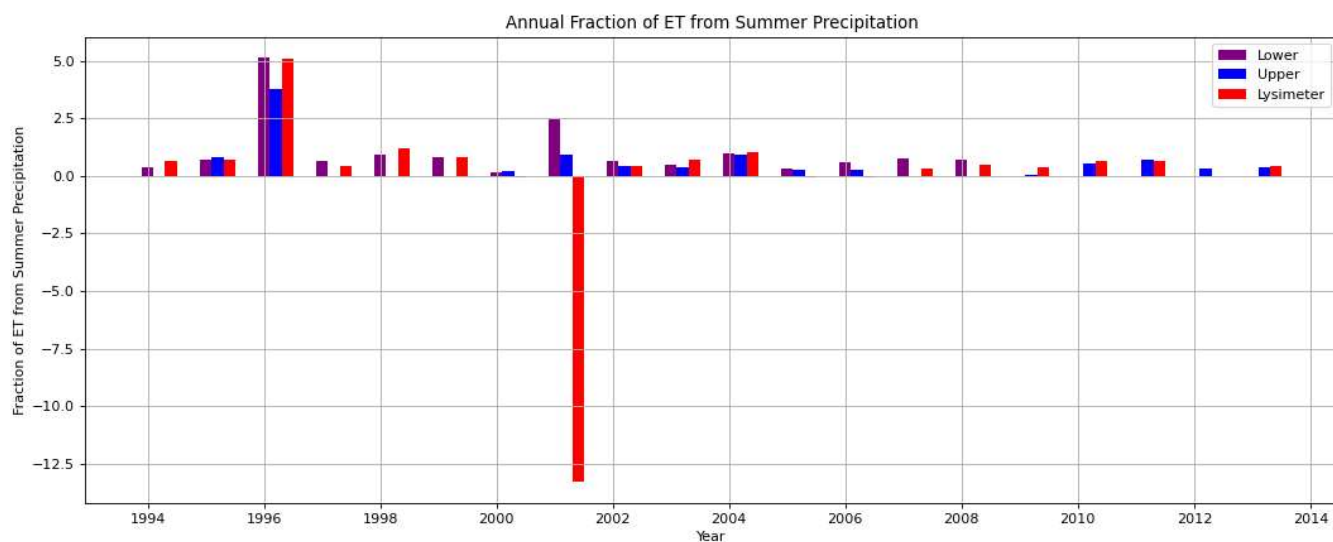


ET by Year



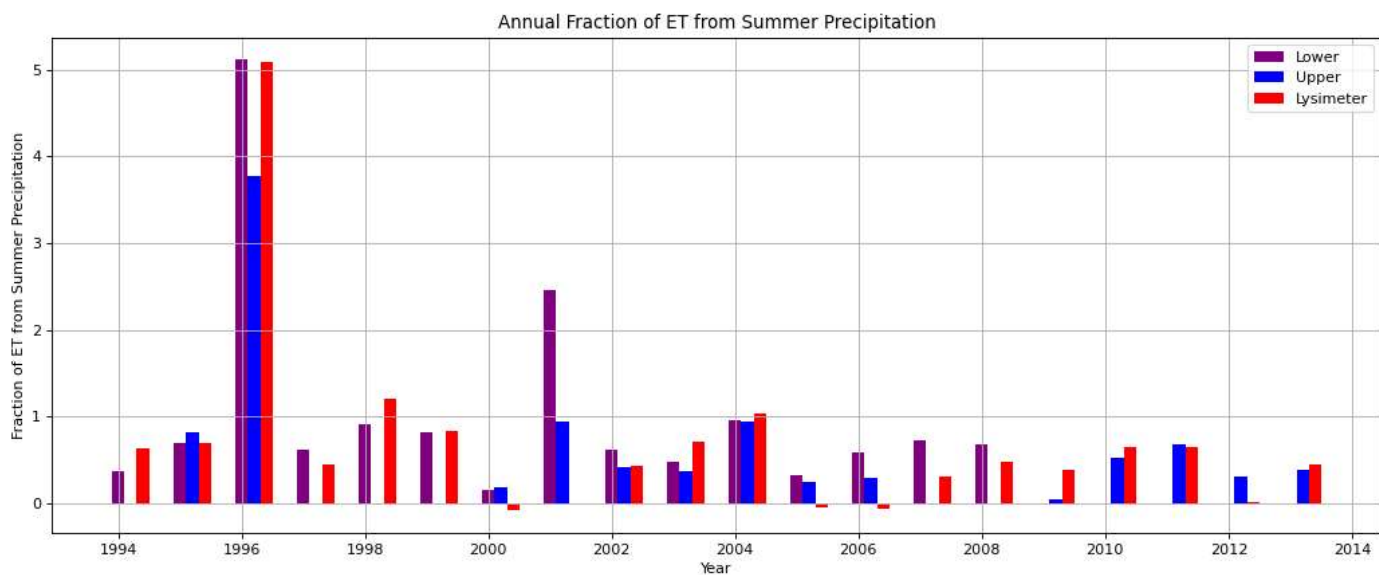
The standard error of the mean is 30.19 for the lower gage, 57.57 for the upper, and 27.45 for the lysimeter.

Fraction ET from Summer Precipitation by Year, Current Year Precipitation

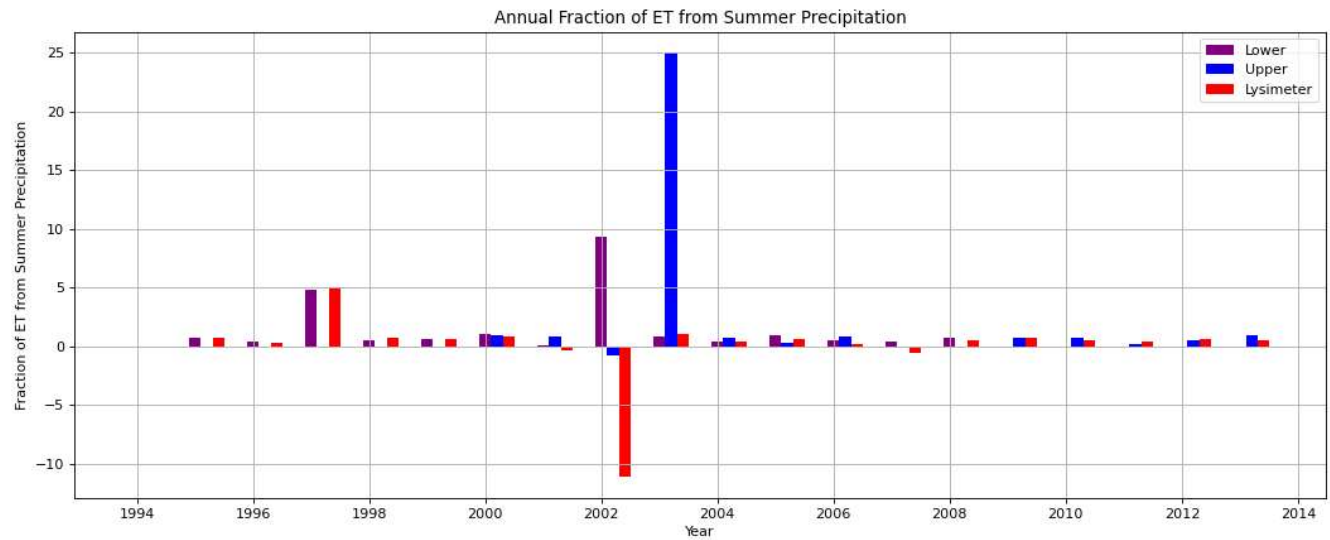


The standard error of the mean is 0.321 for the lower gage, 0.247 for the upper gage, and 0.742 for the lysimeter.

Here, you can see more without the 2001 outlier from the lysimeter.

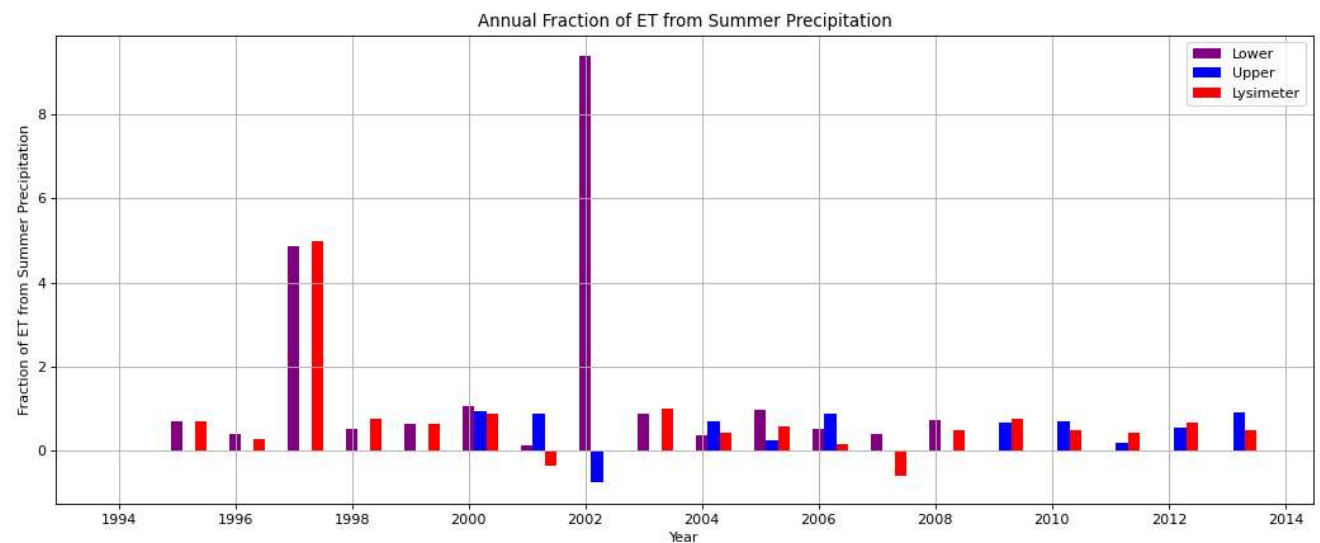


Fraction ET from Summer Precipitation by Year, Lagged Precipitation

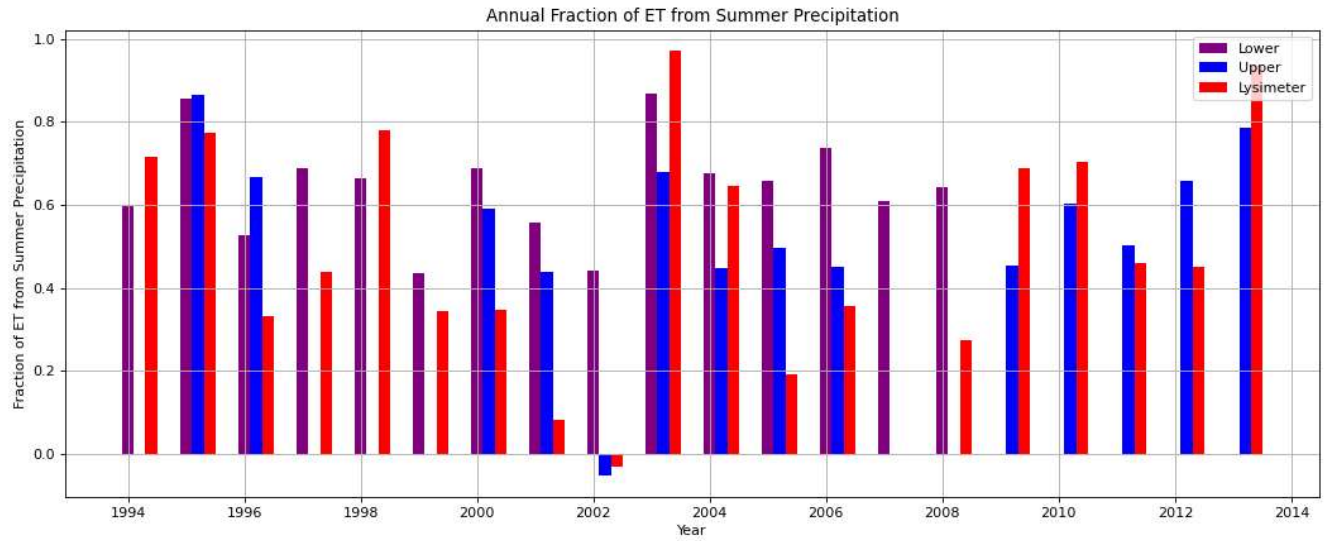


The standard error of the mean is 0.677 for the lower gage, 2.043 for the upper gage, and 0.674 for the lysimeter.

Removed 2002 lysimeter and 2003 upper.



Fraction ET from Summer Precipitation by Year, Averaged Precipitation



The standard error of the mean is 0.0323 for the lower gage, 0.0580 for the upper gage, and 0.0660 for the lysimeter.