

Precipitation Extremes

Station: LAFAYETTE State: LA ID: 165021  
Latitude: 30.22 degrees Longitude: -92.06 degrees Elevation: 25 feet  
Station period of record: 04/01/1985 - 10/02/2008

CLIMOD Product: Precipitation Extremes Creation Time: 10/03/2008 09:48 CDT  
Complete: 97.8% Non-Missing Years: 23.5 Computational Years: 1985 -2008

Return Period	2 year	5 year	10 year	25 year	50 year	100 year
Duration						
10 days	9.07	10.86	12.45	14.92	17.10	19.61
5 days	8.32	9.38	9.92	10.50	10.90*	11.26*
2 days	5.85	7.21	8.45	10.41	12.19*	14.27*
1 day	4.86	5.78	6.59	7.83	8.92	10.16

Empirical estimates from 1-day values:						
24 hours	5.49	6.54	7.45	8.85	10.08	11.48
12 hours	4.72	5.61	6.39	7.59	8.65	9.86
6 hours	3.84	4.57	5.21	6.19	7.05	8.03
3 hours	3.88	4.48	4.96	5.64	6.18	6.71
2 hours	3.38	3.89	4.30	4.88	5.32	5.76
1 hour	2.94	3.39	3.75	4.26	4.66	5.06
30 mins	1.65	1.97	2.24	2.66	3.03	3.46
15 mins	1.22	1.45	1.65	1.96	2.23	2.54
10 mins	0.92	1.10	1.25	1.49	1.69	1.93
5 mins	0.53	0.64	0.72	0.86	0.98	1.12

\* indicates inconsistent results which should be used with caution.