

Climatography of the United States NO. 84, 1971-2000

Daily Normals of

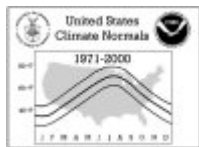
Temperature, Precipitation, and Heating and Cooling Degree Days

(includes monthly tables for precipitation probability and quintiles)

Station Name, State:	TUSCALOOSA MUNICIPAL AP, AL	Station Number:	018380
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Latitude: 33°13' Longitude: -87°37' Elevation: 168ft Climate Division: 03

December							January							February							
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	
1	62	40	51	14	0	0.16	1	55	36	45	20	0	0.17	1	57	36	47	18	0	0.18	
2	62	40	51	14	0	0.16	2	55	35	45	20	0	0.17	2	58	36	47	18	0	0.18	
3	61	40	51	15	0	0.16	3	55	35	45	20	0	0.18	3	58	36	47	18	0	0.18	
4	61	39	50	15	0	0.16	4	55	35	45	20	0	0.18	4	58	36	47	18	0	0.18	
5	61	39	50	15	0	0.16	5	55	35	45	20	0	0.18	5	58	37	47	18	0	0.18	
6	61	39	50	15	0	0.16	6	55	35	45	20	0	0.18	6	59	37	48	17	0	0.18	
7	60	39	50	16	0	0.16	7	55	35	45	20	0	0.18	7	59	37	48	17	0	0.18	
8	60	39	49	16	0	0.16	8	55	35	45	21	0	0.18	8	59	37	48	17	0	0.18	
9	60	38	49	16	**	0.16	9	55	35	45	21	0	0.18	9	60	37	48	17	0	0.18	
10	60	38	49	16	**	0.16	10	54	35	45	21	0	0.18	10	60	37	49	16	0	0.17	
11	59	38	49	16	**	0.16	11	54	35	45	21	0	0.18	11	60	37	49	16	0	0.17	
12	59	38	49	17	**	0.15	12	54	35	45	21	0	0.19	12	60	38	49	16	0	0.18	
13	59	38	48	17	**	0.15	13	54	35	45	21	0	0.19	13	61	38	49	16	0	0.18	
14	59	38	48	17	**	0.15	14	55	35	45	21	0	0.19	14	61	38	50	16	0	0.18	
15	58	37	48	17	**	0.16	15	55	35	45	21	0	0.19	15	61	38	50	15	0	0.18	
16	58	37	48	18	**	0.16	16	55	35	45	20	0	0.19	16	61	39	50	15	0	0.18	
17	58	37	48	18	**	0.16	17	55	35	45	20	0	0.19	17	62	39	50	15	0	0.18	
18	58	37	47	18	0	0.16	18	55	35	45	20	0	0.19	18	62	39	51	15	0	0.18	
19	58	37	47	18	0	0.16	19	55	35	45	20	0	0.19	19	62	39	51	14	0	0.18	
20	57	37	47	18	0	0.16	20	55	35	45	20	0	0.19	20	63	39	51	14	0	0.18	
21	57	37	47	18	0	0.16	21	55	35	45	20	0	0.19	21	63	40	51	14	0	0.18	
22	57	37	47	19	0	0.16	22	55	35	45	20	0	0.19	22	63	40	52	14	0	0.18	
23	57	36	47	19	0	0.16	23	55	35	45	20	0	0.19	23	64	40	52	13	0	0.18	
24	57	36	46	19	0	0.16	24	56	35	45	20	0	0.19	24	64	40	52	13	0	0.19	
25	56	36	46	19	0	0.16	25	56	35	45	20	0	0.19	25	64	41	52	13	0	0.19	
26	56	36	46	19	0	0.16	26	56	35	46	20	0	0.19	26	64	41	53	13	0	0.19	
27	56	36	46	19	0	0.16	27	56	36	46	19	0	0.19	27	65	41	53	12	**	0.19	
28	56	36	46	19	0	0.17	28	56	36	46	19	0	0.18	28	65	42	53	12	**	0.19	
29	56	36	46	20	0	0.17	29	56	36	46	19	0	0.18								
30	56	36	46	20	0	0.17	30	57	36	46	19	0	0.18								
31	55	36	46	20	0	0.17	31	57	36	46	19	0	0.18								
MNTH:	58.4	37.5	48.0	537	9	4.97	MNTH:	55.2	35.2	45.2	623	0	5.72	MNTH:	61.1	38.4	49.8	430	2	5.07	
							Winter	58.2	37.0	47.7	1590	11	15.76								
							Annual	75.9	53.2	64.6	2371	2239	57.24								



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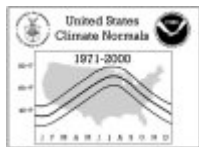
Temperature, Precipitation, and Heating and Cooling Degree Days

(includes monthly tables for precipitation probability and quintiles)

Station Name, State:	TUSCALOOSA MUNICIPAL AP, AL	Station Number:	018380
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Latitude: 33°13' Longitude: -87°37' Elevation: 168ft Climate Division: 03

March							April							May							
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	
1	65	42	54	12	0	0.20	1	74	48	61	5	1	0.19	1	80	56	68	2	4	0.16	
2	66	42	54	12	0	0.20	2	74	48	61	5	1	0.19	2	80	56	68	1	5	0.16	
3	66	42	54	11	0	0.20	3	74	49	61	5	1	0.19	3	80	56	68	1	5	0.16	
4	66	43	55	11	0	0.20	4	74	49	62	5	1	0.19	4	81	57	69	1	5	0.15	
5	67	43	55	11	1	0.20	5	74	49	62	4	1	0.18	5	81	57	69	1	5	0.15	
6	67	43	55	10	1	0.20	6	75	49	62	4	1	0.18	6	81	57	69	1	5	0.15	
7	67	44	55	10	1	0.21	7	75	49	62	4	1	0.18	7	81	58	70	1	6	0.15	
8	68	44	56	10	1	0.21	8	75	49	62	4	1	0.18	8	82	58	70	1	6	0.15	
9	68	44	56	10	1	0.21	9	75	49	62	4	1	0.18	9	82	58	70	1	6	0.15	
10	68	44	56	10	1	0.21	10	75	50	63	4	1	0.17	10	82	59	70	1	6	0.15	
11	68	45	57	9	1	0.21	11	76	50	63	4	1	0.17	11	82	59	71	1	6	0.15	
12	69	45	57	9	1	0.21	12	76	50	63	3	1	0.17	12	82	59	71	1	7	0.15	
13	69	45	57	9	1	0.21	13	76	50	63	3	2	0.17	13	83	60	71	1	7	0.15	
14	69	45	57	9	1	0.21	14	76	51	64	3	2	0.17	14	83	60	71	1	7	0.15	
15	69	46	58	8	1	0.21	15	77	51	64	3	2	0.17	15	83	60	72	1	7	0.15	
16	70	46	58	8	1	0.21	16	77	51	64	3	2	0.17	16	83	61	72	1	8	0.15	
17	70	46	58	8	1	0.21	17	77	51	64	3	2	0.17	17	84	61	72	1	8	0.15	
18	70	46	58	8	1	0.21	18	77	51	64	3	2	0.16	18	84	61	73	1	8	0.15	
19	71	46	58	8	1	0.21	19	77	52	65	3	2	0.16	19	84	61	73	1	8	0.15	
20	71	47	59	7	1	0.21	20	78	52	65	2	2	0.16	20	84	62	73	0	8	0.14	
21	71	47	59	7	1	0.21	21	78	52	65	2	3	0.16	21	85	62	73	0	9	0.14	
22	71	47	59	7	1	0.21	22	78	53	65	2	3	0.16	22	85	62	74	0	9	0.14	
23	72	47	59	7	1	0.21	23	78	53	66	2	3	0.16	23	85	63	74	0	9	0.14	
24	72	47	60	7	1	0.21	24	79	53	66	2	3	0.16	24	85	63	74	0	9	0.14	
25	72	47	60	6	1	0.20	25	79	54	66	2	3	0.16	25	85	63	74	0	10	0.14	
26	72	48	60	6	1	0.20	26	79	54	66	2	3	0.16	26	86	63	74	0	10	0.14	
27	72	48	60	6	1	0.20	27	79	54	67	2	4	0.16	27	86	64	75	0	10	0.14	
28	73	48	60	6	1	0.20	28	79	55	67	2	4	0.16	28	86	64	75	0	10	0.14	
29	73	48	60	6	1	0.20	29	80	55	67	2	4	0.16	29	86	64	75	0	10	0.14	
30	73	48	61	5	1	0.20	30	80	55	68	1	4	0.16	30	87	64	75	0	11	0.14	
31	73	48	61	5	1	0.19								31	87	64	76	0	11	0.13	
MNTH:	69.6	45.5	57.6	258	27	6.37	MNTH:	76.7	51.2	64.0	93	62	5.10	MNTH:	83.4	60.4	71.9	20	235	4.55	
							Spring	76.6	52.4	64.5	371	324	16.02								
							Annual	75.9	53.2	64.6	2371	2239	57.24								



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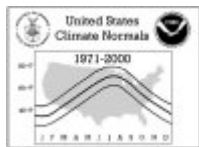
Temperature, Precipitation, and Heating and Cooling Degree Days

(includes monthly tables for precipitation probability and quintiles)

Station Name, State:	TUSCALOOSA MUNICIPAL AP, AL	Station Number:	018380
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Latitude: 33°13' Longitude: -87°37' Elevation: 168ft Climate Division: 03

June							July							August						
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP
1	87	65	76	0	11	0.13	1	92	70	81	0	16	0.17	1	93	72	82	0	17	0.15
2	87	65	76	0	11	0.13	2	92	70	81	0	16	0.18	2	93	72	82	0	17	0.15
3	88	65	76	0	11	0.13	3	92	71	81	0	16	0.18	3	93	72	82	0	17	0.15
4	88	65	77	0	12	0.13	4	92	71	81	0	16	0.18	4	93	72	82	0	17	0.14
5	88	66	77	0	12	0.13	5	92	71	82	0	16	0.18	5	93	72	82	0	17	0.14
6	88	66	77	0	12	0.13	6	92	71	82	0	17	0.19	6	93	72	82	0	17	0.14
7	88	66	77	0	12	0.13	7	92	71	82	0	17	0.19	7	93	72	82	0	17	0.13
8	89	66	77	0	12	0.13	8	92	71	82	0	17	0.19	8	93	71	82	0	17	0.13
9	89	66	78	0	13	0.13	9	92	71	82	0	17	0.19	9	93	71	82	0	17	0.13
10	89	67	78	0	13	0.13	10	92	71	82	0	17	0.19	10	92	71	82	0	17	0.12
11	89	67	78	0	13	0.13	11	92	72	82	0	17	0.19	11	92	71	82	0	17	0.12
12	89	67	78	0	13	0.13	12	92	72	82	0	17	0.19	12	92	71	82	0	17	0.12
13	89	67	78	0	13	0.13	13	92	72	82	0	17	0.20	13	92	71	82	0	17	0.12
14	90	67	79	0	14	0.13	14	92	72	82	0	17	0.20	14	92	71	82	0	17	0.11
15	90	68	79	0	14	0.13	15	92	72	82	0	17	0.20	15	92	71	82	0	17	0.11
16	90	68	79	0	14	0.13	16	93	72	82	0	17	0.19	16	92	71	82	0	17	0.11
17	90	68	79	0	14	0.14	17	93	72	82	0	17	0.19	17	92	71	82	0	17	0.11
18	90	68	79	0	14	0.14	18	93	72	82	0	17	0.19	18	92	71	81	0	16	0.11
19	90	68	79	0	14	0.14	19	93	72	82	0	17	0.19	19	92	71	81	0	16	0.11
20	91	68	80	0	15	0.14	20	93	72	82	0	17	0.19	20	92	70	81	0	16	0.11
21	91	69	80	0	15	0.14	21	93	72	82	0	17	0.19	21	92	70	81	0	16	0.11
22	91	69	80	0	15	0.15	22	93	72	83	0	17	0.19	22	92	70	81	0	16	0.11
23	91	69	80	0	15	0.15	23	93	72	83	0	17	0.19	23	91	70	81	0	16	0.11
24	91	69	80	0	15	0.15	24	93	72	83	0	18	0.18	24	91	70	81	0	16	0.10
25	91	69	80	0	15	0.15	25	93	72	83	0	18	0.18	25	91	70	81	0	16	0.10
26	91	70	80	0	15	0.16	26	93	72	83	0	18	0.18	26	91	70	81	0	15	0.11
27	91	70	81	0	15	0.16	27	93	72	83	0	18	0.17	27	91	70	80	0	15	0.11
28	91	70	81	0	16	0.16	28	93	72	83	0	18	0.17	28	91	69	80	0	15	0.11
29	92	70	81	0	16	0.17	29	93	72	82	0	18	0.17	29	91	69	80	0	15	0.11
30	92	70	81	0	16	0.17	30	93	72	82	0	17	0.16	30	91	69	80	0	15	0.11
							31	93	72	82	0	17	0.16	31	91	69	80	0	15	0.11
MNTH:	89.7	67.6	78.7	0	410	4.20	MNTH:	92.5	71.6	82.1	0	528	5.71	MNTH:	92.0	70.7	81.4	0	507	3.70
							Summer	91.4	70.0	80.7	0	1445	13.61							
							Annual	75.9	53.2	64.6	2371	2239	57.24							



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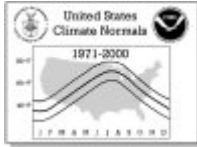
Temperature, Precipitation, and Heating and Cooling Degree Days

(includes monthly tables for precipitation probability and quintiles)

Station Name, State:	TUSCALOOSA MUNICIPAL AP, AL	Station Number:	018380
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Latitude: 33°13' Longitude: -87°37' Elevation: 168ft Climate Division: 03

September							October							November							
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	
1	90	69	80	0	15	0.11	1	83	59	71	1	7	0.11	1	72	47	59	6	1	0.14	
2	90	69	80	0	14	0.11	2	83	58	71	1	7	0.11	2	72	47	59	7	1	0.14	
3	90	69	79	0	14	0.11	3	83	58	70	1	6	0.11	3	71	46	59	7	1	0.14	
4	90	68	79	0	14	0.12	4	82	57	70	1	6	0.11	4	71	46	59	7	1	0.15	
5	90	68	79	0	14	0.12	5	82	57	69	2	6	0.11	5	71	46	58	7	1	0.15	
6	90	68	79	0	14	0.12	6	81	56	69	2	5	0.11	6	70	46	58	8	1	0.15	
7	90	68	79	0	13	0.12	7	81	56	68	2	5	0.10	7	70	45	58	8	1	0.15	
8	89	68	79	0	13	0.12	8	81	55	68	2	5	0.10	8	70	45	57	8	1	0.15	
9	89	67	78	0	13	0.12	9	80	55	68	2	5	0.10	9	69	45	57	8	1	0.16	
10	89	67	78	0	13	0.12	10	80	54	67	2	4	0.10	10	69	45	57	9	1	0.16	
11	89	67	78	0	13	0.12	11	80	54	67	2	4	0.10	11	69	45	57	9	1	0.16	
12	89	67	78	0	12	0.12	12	79	53	66	2	4	0.10	12	68	44	56	9	1	0.16	
13	88	66	77	0	12	0.12	13	79	53	66	3	4	0.10	13	68	44	56	10	1	0.16	
14	88	66	77	0	12	0.12	14	79	53	66	3	3	0.10	14	67	44	56	10	1	0.16	
15	88	66	77	0	12	0.12	15	78	52	65	3	3	0.11	15	67	44	55	10	0	0.17	
16	88	65	77	0	11	0.12	16	78	52	65	3	3	0.11	16	67	43	55	10	0	0.17	
17	87	65	76	0	11	0.12	17	78	51	65	3	3	0.11	17	66	43	55	11	0	0.17	
18	87	65	76	0	11	0.12	18	77	51	64	3	3	0.11	18	66	43	55	11	0	0.17	
19	87	64	76	0	11	0.12	19	77	51	64	4	3	0.11	19	66	43	54	11	0	0.17	
20	87	64	75	0	10	0.12	20	77	50	64	4	2	0.11	20	66	42	54	11	0	0.17	
21	86	63	75	0	10	0.12	21	76	50	63	4	2	0.11	21	65	42	54	12	0	0.17	
22	86	63	75	0	10	0.12	22	76	50	63	4	2	0.11	22	65	42	53	12	0	0.17	
23	86	63	74	0	10	0.12	23	75	49	62	4	2	0.12	23	65	42	53	12	0	0.17	
24	85	62	74	0	9	0.12	24	75	49	62	5	2	0.12	24	64	42	53	12	0	0.17	
25	85	62	73	0	9	0.12	25	75	49	62	5	2	0.12	25	64	41	53	13	0	0.17	
26	85	61	73	0	9	0.12	26	74	48	61	5	2	0.12	26	64	41	52	13	0	0.17	
27	85	61	73	0	8	0.12	27	74	48	61	5	1	0.12	27	63	41	52	13	0	0.17	
28	84	60	72	1	8	0.11	28	74	48	61	6	1	0.13	28	63	41	52	13	0	0.17	
29	84	60	72	1	8	0.11	29	73	48	60	6	1	0.13	29	63	40	52	14	0	0.17	
30	84	59	71	1	7	0.11	30	73	47	60	6	1	0.13	30	62	40	51	14	0	0.16	
							31	72	47	60	6	1	0.14								
MNTH:	87.5	65.0	76.3	3	340	3.54	MNTH:	77.9	52.2	65.1	102	105	3.47	MNTH:	67.1	43.5	55.3	305	14	4.84	
							Autumn	77.5	53.6	65.6	410	459	11.85								
							Annual	75.9	53.2	64.6	2371	2239	57.24								



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Precipitation Probability and Quintiles

Station Name, State:	TUSCALOOSA MUNICIPAL AP, AL	Station Number:	018380
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Latitude: 33°13' Longitude: -87°37' Elevation: 168ft Climate Division: 03

Probability that the monthly precipitation will be equal to or less than the indicated amount

Monthly Precipitation (inches)													
Probability	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
0.005	1.12	0.94	0.62	0.24	0.36	0.45	0.87	0.54	0.22	0.11	0.80	0.84	33.56
0.010	1.34	1.14	0.81	0.35	0.49	0.58	1.08	0.68	0.31	0.17	0.98	1.03	35.44
0.050	2.13	1.84	1.60	0.87	1.02	1.11	1.85	1.17	0.70	0.48	1.64	1.70	40.95
0.100	2.66	2.31	2.19	1.31	1.44	1.50	2.39	1.52	1.02	0.76	2.10	2.17	44.11
0.200	3.43	3.00	3.12	2.05	2.11	2.11	3.19	2.04	1.54	1.26	2.77	2.86	48.15
0.300	4.07	3.58	3.94	2.75	2.71	2.65	3.87	2.49	2.02	1.74	3.34	3.44	51.22
0.400	4.68	4.13	4.76	3.47	3.31	3.17	4.53	2.92	2.50	2.25	3.88	3.99	53.95
0.500	5.31	4.69	5.61	4.25	3.94	3.72	5.21	3.37	3.02	2.81	4.44	4.56	56.58
0.600	5.98	5.30	6.57	5.14	4.66	4.34	5.95	3.86	3.61	3.45	5.05	5.19	59.30
0.700	6.77	6.01	7.70	6.22	5.52	5.06	6.82	4.43	4.31	4.24	5.77	5.92	62.30
0.800	7.77	6.92	9.18	7.66	6.64	6.01	7.94	5.17	5.25	5.31	6.69	6.85	65.93
0.900	9.31	8.33	11.53	10.00	8.43	7.50	9.68	6.32	6.74	7.06	8.11	8.29	71.21
0.950	10.72	9.61	13.73	12.23	10.12	8.89	11.29	7.39	8.17	8.75	9.42	9.62	75.76
0.990	13.71	12.35	18.51	17.18	13.82	11.92	14.74	9.68	11.30	12.53	12.22	12.45	84.82
0.995	14.92	13.46	20.49	19.26	15.36	13.17	16.15	10.61	12.61	14.12	13.36	13.61	88.31

Precipitation Quintiles (inches)													
Level	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
0<	1.22	1.73	1.12	0.30	0.44	1.22	0.86	0.76	0.64	0.12	0.84	0.69	
1	1.22	1.73	1.12	0.30	0.44	1.22	0.86	0.76	0.64	0.12	0.84	0.69	
	3.43	3.00	3.12	2.05	2.11	2.11	3.19	2.04	1.54	1.26	2.77	2.86	
2	3.44	3.01	3.13	2.06	2.12	2.12	3.20	2.05	1.55	1.27	2.78	2.87	
	4.68	4.13	4.76	3.47	3.31	3.17	4.53	2.92	2.50	2.25	3.88	3.99	
3	4.69	4.14	4.77	3.48	3.32	3.18	4.54	2.93	2.51	2.26	3.89	4.00	
	5.98	5.30	6.57	5.14	4.66	4.34	5.95	3.86	3.61	3.45	5.05	5.19	
4	5.99	5.31	6.58	5.15	4.67	4.35	5.96	3.87	3.62	3.46	5.06	5.20	
	7.77	6.92	9.18	7.66	6.64	6.01	7.94	5.17	5.25	5.31	6.69	6.85	
5	7.78	6.93	9.19	7.67	6.65	6.02	7.95	5.18	5.26	5.32	6.70	6.86	
	10.18	12.70	19.99	14.41	11.13	11.98	12.27	7.56	8.84	9.11	10.04	11.05	
6>	10.18	12.70	19.99	14.41	11.13	11.98	12.27	7.56	8.84	9.11	10.04	11.05	

(These values were determined from the incomplete Gamma Distribution)

**Abbreviations:****AVG = Average Temperature (degrees Fahrenheit)****CDD = Cooling Degree Days (base 65)****HDD = Heating Degree Days (base 65)****MAX = Maximum Temperature (degrees Fahrenheit)****MIN = Minimum Temperature (degrees Fahrenheit)****MNTH = Monthly Means and Totals****PRCP = Precipitation Amount (inches and hundredths)****Notes:**

- The daily values presented in these tables are not simple means of observed values. They are interpolated from the much less variable monthly normals by use of the natural spline function. Daily precipitation normals were also computed using the natural spline function and do not exhibit the typical daily random patterns. However, they may be used to compute precipitation over time intervals
- The seasonal values that are provided with each page are calculated from the daily values for each month in the season. For example the winter maximum temperature is an average of the December, January, and February daily maximum temperatures.
- Daily Leap Year values: In leap years, use the February 28th values for the 29th and adjust the degree day and precipitation monthly totals accordingly.
- (n/a) occurs to fill values for stations that do not have data.
- (**) occurs as a degree day value for some locations. It's used to represent a value of less than one degree day, but more than zero degree days.
- (**) If this symbol appears in the Precipitation Probabilities tables statistics not computed because less than six years out of thirty had measurable precipitation.
- [Complete Documentation](#) and other normals product information is available by clicking on the link.

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