

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

Location: Uvalde, Texas US
Latitude: +29° 11' 42.38"
Longitude: -99° 49' 25.51"
Elevation: 916 ft +/- 15 ft
Observer: Gregory T. Shanos (ALPO Member 5066)



Thermometer-Hygrometer used for measurements. Note that Humidity is accurate to 0.1%.

Instrument was placed on the ground in the shade during the eclipse.


Serial Number: 10006658

Eclipse Contact Times for Uvalde

Made by Xavier M. Jubier

29° 10' 23.10" N <—> 29.17308° 4m 14.3s (total solar eclipse)
 99° 48' 43.86" W <—> -99.81218° 4m 15.9s (lunar limb corrected) [Help](#)

Umbral depth : 69.65% (67.5km)
 29.4km (18.3mi)
 Path width : 193.9km (120.5mi)
 Obscuration : 100.00%



Magnitude at maximum : 1.01962
 Moon/Sun size ratio : 1.05633
 Umbral vel. : 0.717km/s (1605 mph)

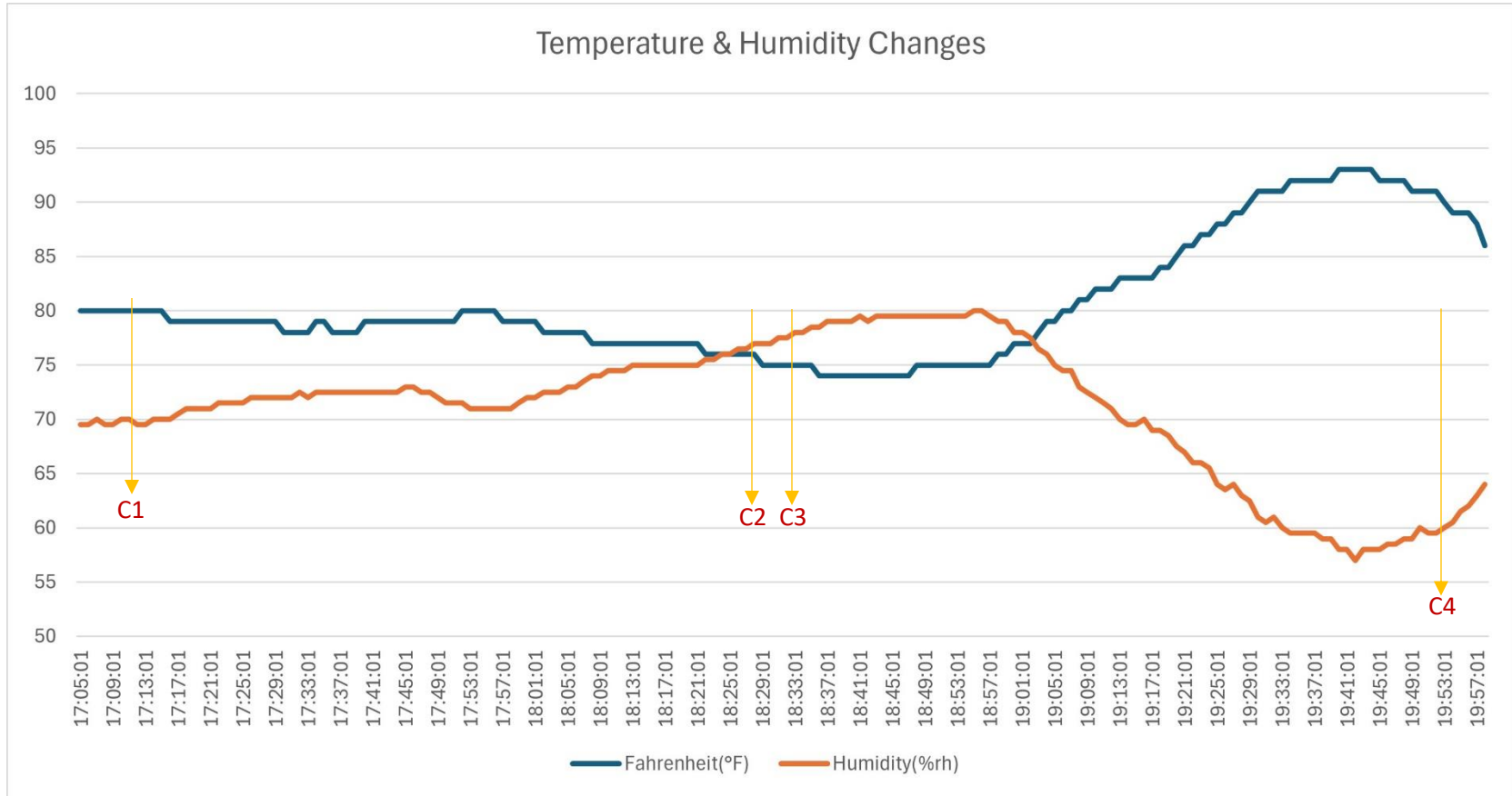
Event ($\Delta T=69.1s$)	Date	Time (-5,0)	Alt	Azi	P	V	LC
Start of partial eclipse (C1) :	2024/04/08	12:12:07.1	+60.0°	131.6°	227°	03.0	
Start of total eclipse (C2) :	2024/04/08	13:29:35.0	+68.3°	172.4°	064°	09.7	-2.4s
Maximum eclipse (MAX) :	2024/04/08	13:31:42.1	+68.3°	173.8°	316°	01.3	
End of total eclipse (C3) :	2024/04/08	13:33:49.3	+68.4°	175.3°	208°	04.8	-0.8s
End of partial eclipse (C4) :	2024/04/08	14:53:13.6	+62.5°	221.9°	047°	11.6	

Data Summary

Time Frame	Temperature Change	Humidity Change
First contact to Second contact	4.9° F decrease	10.1% increase
Second contact to Maximum Eclipse:	0.3° F decrease	0.5% increase
Maximum Eclipse to Third contact	0.3° F decrease	0.6% increase
Third contact to Fourth contact	11.0° F increase	16.1% increase

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

Graph of Temperature & Humidity Changes



Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

Raw Data

UT Time	Fahrenheit(°F)	Humidity(%rh)	Dew Point(°F)
17:05:01	80	69.5	69.2
17:05:11	80	69.5	69.2
17:05:21	80	70.5	69.6
17:05:31	80	70	69.4
17:05:41	80	70	69.4
17:05:51	80	70	69.4
17:06:01	80	69.5	69.2
17:06:11	80	70	69.4
17:06:21	80	70	69.4
17:06:31	80	70	69.4
17:06:41	80	70	69.4
17:06:51	80	70	69.4
17:07:01	80	70	69.4
17:07:11	80	70	69.4
17:07:21	80	70	69.4
17:07:31	80	70	69.4
17:07:41	80	69.5	69.2
17:07:51	80	69.5	69.2
17:08:01	80	69.5	69.2
17:08:11	80	69.5	69.2
17:08:21	80	69.5	69.2
17:08:31	80	69.5	69.2
17:08:41	80	69.5	69.2
17:08:51	80	69.5	69.2
17:09:01	80	69.5	69.2
17:09:11	80	69.5	69.2
17:09:21	80	70	69.4
17:09:31	80	70	69.4
17:09:41	80	69.5	69.2
17:09:51	80	69.5	69.2
17:10:01	80	70	69.4
17:10:11	80	69.5	69.2
17:10:21	80	69.5	69.2
17:10:31	80	70	69.4
17:10:41	80	70	69.4
17:10:51	80	70	69.4
17:11:01	80	70	69.4
17:11:11	80	70	69.4
17:11:21	80	69.5	69.2

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:11:31	80	70	69.4
17:11:41	80	70	69.4
17:11:51	80	69.5	69.2
17:12:01	80	69.5	69.2
17:12:11	80	70	69.4
17:12:21	80	70	69.4
17:12:31	80	69.5	69.2
17:12:41	80	69.5	69.2
17:12:51	80	69.5	69.2
17:13:01	80	69.5	69.2
17:13:11	80	69.5	69.2
17:13:21	80	69.5	69.2
17:13:31	80	69.5	69.2
17:13:41	80	69.5	69.2
17:13:51	80	69.5	69.2
17:14:01	80	70	69.4
17:14:11	80	70	69.4
17:14:21	80	70	69.4
17:14:31	80	70	69.4
17:14:41	80	70	69.4
17:14:51	80	70	69.4
17:15:01	80	70	69.4
17:15:11	80	70	69.4
17:15:21	80	70	69.4
17:15:31	80	70	69.4
17:15:41	80	70.5	69.6
17:15:51	80	70.5	69.6
17:16:01	79	70	68.4
17:16:11	80	70.5	69.6
17:16:21	79	70.5	68.6
17:16:31	79	70.5	68.6
17:16:41	79	70.5	68.6
17:16:51	79	70.5	68.6
17:17:01	79	70.5	68.6
17:17:11	79	70.5	68.6
17:17:21	79	70.5	68.6
17:17:31	79	70.5	68.6
17:17:41	79	70.5	68.6
17:17:51	79	70.5	68.6
17:18:01	79	71	68.8
17:18:11	79	71	68.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:18:21	79	71	68.8
17:18:31	79	71	68.8
17:18:41	79	71	68.8
17:18:51	79	71	68.8
17:19:01	79	71	68.8
17:19:11	79	71	68.8
17:19:21	79	71	68.8
17:19:31	79	71	68.8
17:19:41	79	71	68.8
17:19:51	79	71	68.8
17:20:01	79	71	68.8
17:20:11	79	71	68.8
17:20:21	79	71	68.8
17:20:31	79	71	68.8
17:20:41	79	71	68.8
17:20:51	79	71	68.8
17:21:01	79	71	68.8
17:21:11	79	71.5	69
17:21:21	79	71.5	69
17:21:31	79	71.5	69
17:21:41	79	71.5	69
17:21:51	79	71.5	69
17:22:01	79	71.5	69
17:22:11	79	71.5	69
17:22:21	79	71.5	69
17:22:31	79	71.5	69
17:22:41	79	71.5	69
17:22:51	79	71.5	69
17:23:01	79	71.5	69
17:23:11	79	71.5	69
17:23:21	79	71.5	69
17:23:31	79	71.5	69
17:23:41	79	71.5	69
17:23:51	79	71.5	69
17:24:01	79	71.5	69
17:24:11	79	71.5	69
17:24:21	79	71.5	69
17:24:31	79	71.5	69
17:24:41	79	72	69.2
17:24:51	79	71.5	69
17:25:01	79	71.5	69

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:25:11	79	71.5	69
17:25:21	79	71.5	69
17:25:31	79	71.5	69
17:25:41	79	71.5	69
17:25:51	79	71.5	69
17:26:01	79	72	69.2
17:26:11	79	72	69.2
17:26:21	79	72	69.2
17:26:31	79	72	69.2
17:26:41	79	72	69.2
17:26:51	79	72	69.2
17:27:01	79	72	69.2
17:27:11	79	72	69.2
17:27:21	79	72	69.2
17:27:31	79	72	69.2
17:27:41	79	72	69.2
17:27:51	79	72	69.2
17:28:01	79	72	69.2
17:28:11	79	72	69.2
17:28:21	79	72	69.2
17:28:31	79	72	69.2
17:28:41	79	72	69.2
17:28:51	78	72	68.3
17:29:01	79	72	69.2
17:29:11	79	72	69.2
17:29:21	78	72	68.3
17:29:31	78	72	68.3
17:29:41	78	72	68.3
17:29:51	78	72	68.3
17:30:01	78	72	68.3
17:30:11	79	72	69.2
17:30:21	78	72	68.3
17:30:31	78	72	68.3
17:30:41	78	72	68.3
17:30:51	78	72	68.3
17:31:01	78	72	68.3
17:31:11	78	72	68.3
17:31:21	78	72	68.3
17:31:31	78	72.5	68.5
17:31:41	78	72	68.3
17:31:51	78	72.5	68.5

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:32:01	78	72.5	68.5
17:32:11	78	72	68.3
17:32:21	79	72	69.2
17:32:31	79	72	69.2
17:32:41	79	72.5	69.4
17:32:51	78	72.5	68.5
17:33:01	78	72	68.3
17:33:11	78	72.5	68.5
17:33:21	78	72	68.3
17:33:31	78	72.5	68.5
17:33:41	78	72.5	68.5
17:33:51	78	72.5	68.5
17:34:01	79	72.5	69.4
17:34:11	78	72.5	68.5
17:34:21	79	72.5	69.4
17:34:31	79	72.5	69.4
17:34:41	78	72.5	68.5
17:34:51	78	72.5	68.5
17:35:01	79	72.5	69.4
17:35:11	78	72.5	68.5
17:35:21	78	72.5	68.5
17:35:31	78	72.5	68.5
17:35:41	78	72.5	68.5
17:35:51	78	72.5	68.5
17:36:01	78	72.5	68.5
17:36:11	78	72.5	68.5
17:36:21	78	72.5	68.5
17:36:31	78	72.5	68.5
17:36:41	78	72.5	68.5
17:36:51	78	72.5	68.5
17:37:01	78	72.5	68.5
17:37:11	78	72.5	68.5
17:37:21	78	72.5	68.5
17:37:31	78	72.5	68.5
17:37:41	78	72.5	68.5
17:37:51	78	72.5	68.5
17:38:01	78	72.5	68.5
17:38:11	78	72.5	68.5
17:38:21	78	72.5	68.5
17:38:31	78	72.5	68.5
17:38:41	78	72.5	68.5

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:38:51	78	72.5	68.5
17:39:01	78	72.5	68.5
17:39:11	78	72.5	68.5
17:39:21	78	72.5	68.5
17:39:31	78	72.5	68.5
17:39:41	78	72.5	68.5
17:39:51	79	72.5	69.4
17:40:01	79	72.5	69.4
17:40:11	79	72.5	69.4
17:40:21	79	72.5	69.4
17:40:31	79	72.5	69.4
17:40:41	79	72.5	69.4
17:40:51	79	72.5	69.4
17:41:01	79	72.5	69.4
17:41:11	79	72.5	69.4
17:41:21	79	72.5	69.4
17:41:31	79	72.5	69.4
17:41:41	79	72.5	69.4
17:41:51	79	72.5	69.4
17:42:01	79	72.5	69.4
17:42:11	79	72.5	69.4
17:42:21	79	72.5	69.4
17:42:31	79	72.5	69.4
17:42:41	79	72.5	69.4
17:42:51	79	72.5	69.4
17:43:01	79	72.5	69.4
17:43:11	79	72.5	69.4
17:43:21	79	72.5	69.4
17:43:31	79	72.5	69.4
17:43:41	79	72.5	69.4
17:43:51	79	73	69.6
17:44:01	79	72.5	69.4
17:44:11	79	72.5	69.4
17:44:21	79	72.5	69.4
17:44:31	79	72.5	69.4
17:44:41	79	73	69.6
17:44:51	79	73	69.6
17:45:01	79	73	69.6
17:45:11	79	73	69.6
17:45:21	79	73	69.6
17:45:31	79	72.5	69.4

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:45:41	79	73	69.6
17:45:51	79	73	69.6
17:46:01	79	73	69.6
17:46:11	79	73	69.6
17:46:21	79	72.5	69.4
17:46:31	79	73	69.6
17:46:41	79	73	69.6
17:46:51	79	72.5	69.4
17:47:01	79	72.5	69.4
17:47:11	79	72.5	69.4
17:47:21	79	72.5	69.4
17:47:31	79	72.5	69.4
17:47:41	79	72.5	69.4
17:47:51	79	72.5	69.4
17:48:01	79	72.5	69.4
17:48:11	79	72.5	69.4
17:48:21	79	72.5	69.4
17:48:31	80	72.5	70.4
17:48:41	79	72	69.2
17:48:51	79	72	69.2
17:49:01	79	72	69.2
17:49:11	79	72.5	69.4
17:49:21	80	72	70.2
17:49:31	79	72	69.2
17:49:41	79	72	69.2
17:49:51	79	71.5	69
17:50:01	79	71.5	69
17:50:11	79	72	69.2
17:50:21	79	72	69.2
17:50:31	79	71.5	69
17:50:41	80	71.5	70
17:50:51	80	71.5	70
17:51:01	79	71.5	69
17:51:11	80	72	70.2
17:51:21	80	71.5	70
17:51:31	80	71.5	70
17:51:41	80	71.5	70
17:51:51	80	71.5	70
17:52:01	80	71.5	70
17:52:11	80	71	69.8
17:52:21	80	71	69.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:52:31	80	71	69.8
17:52:41	80	71	69.8
17:52:51	80	71	69.8
17:53:01	80	71	69.8
17:53:11	80	71.5	70
17:53:21	80	71	69.8
17:53:31	80	71	69.8
17:53:41	80	71	69.8
17:53:51	80	71	69.8
17:54:01	80	71	69.8
17:54:11	80	71	69.8
17:54:21	80	71	69.8
17:54:31	80	71	69.8
17:54:41	80	71	69.8
17:54:51	80	71	69.8
17:55:01	80	71	69.8
17:55:11	80	71	69.8
17:55:21	80	71	69.8
17:55:31	80	71	69.8
17:55:41	80	71	69.8
17:55:51	80	71	69.8
17:56:01	80	71	69.8
17:56:11	80	71	69.8
17:56:21	79	71	68.8
17:56:31	80	71	69.8
17:56:41	79	71	68.8
17:56:51	79	71	68.8
17:57:01	79	71	68.8
17:57:11	79	71	68.8
17:57:21	79	71	68.8
17:57:31	79	71	68.8
17:57:41	79	71.5	69
17:57:51	79	71	68.8
17:58:01	79	71	68.8
17:58:11	79	71	68.8
17:58:21	79	71.5	69
17:58:31	79	71.5	69
17:58:41	79	71.5	69
17:58:51	79	71.5	69
17:59:01	79	71.5	69
17:59:11	79	71.5	69

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

17:59:21	79	71.5	69
17:59:31	79	71.5	69
17:59:41	79	71.5	69
17:59:51	79	71.5	69
18:00:01	79	72	69.2
18:00:11	79	72	69.2
18:00:21	79	72	69.2
18:00:31	79	72	69.2
18:00:41	79	72	69.2
18:00:51	79	72	69.2
18:01:01	79	72	69.2
18:01:11	79	72	69.2
18:01:21	79	72	69.2
18:01:31	79	72	69.2
18:01:41	79	72.5	69.4
18:01:51	79	72.5	69.4
18:02:01	78	72.5	68.5
18:02:11	78	72.5	68.5
18:02:21	78	72.5	68.5
18:02:31	78	72.5	68.5
18:02:41	78	72.5	68.5
18:02:51	78	72.5	68.5
18:03:01	78	72.5	68.5
18:03:11	78	72.5	68.5
18:03:21	78	72.5	68.5
18:03:31	78	72.5	68.5
18:03:41	78	72.5	68.5
18:03:51	78	72.5	68.5
18:04:01	78	72.5	68.5
18:04:11	78	73	68.7
18:04:21	78	73	68.7
18:04:31	78	73	68.7
18:04:41	78	73	68.7
18:04:51	78	73	68.7
18:05:01	78	73	68.7
18:05:11	78	73	68.7
18:05:21	78	73	68.7
18:05:31	78	73	68.7
18:05:41	78	73	68.7
18:05:51	78	73	68.7
18:06:01	78	73	68.7

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:06:11	78	73	68.7
18:06:21	78	73.5	68.9
18:06:31	78	73.5	68.9
18:06:41	78	73.5	68.9
18:06:51	78	73.5	68.9
18:07:01	78	73.5	68.9
18:07:11	78	73.5	68.9
18:07:21	78	73.5	68.9
18:07:31	77	74	68.1
18:07:41	77	74	68.1
18:07:51	77	74	68.1
18:08:01	77	74	68.1
18:08:11	77	74	68.1
18:08:21	77	74	68.1
18:08:31	77	74	68.1
18:08:41	77	74	68.1
18:08:51	77	74	68.1
18:09:01	77	74	68.1
18:09:11	77	74	68.1
18:09:21	77	74	68.1
18:09:31	77	74	68.1
18:09:41	77	74	68.1
18:09:51	77	74	68.1
18:10:01	77	74.5	68.3
18:10:11	77	74.5	68.3
18:10:21	77	74.5	68.3
18:10:31	77	74.5	68.3
18:10:41	77	74.5	68.3
18:10:51	77	74.5	68.3
18:11:01	77	74.5	68.3
18:11:11	77	74.5	68.3
18:11:21	77	74.5	68.3
18:11:31	77	74.5	68.3
18:11:41	77	74.5	68.3
18:11:51	77	74.5	68.3
18:12:01	77	74.5	68.3
18:12:11	77	75	68.5
18:12:21	77	75	68.5
18:12:31	77	75	68.5
18:12:41	77	75	68.5
18:12:51	77	75	68.5

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:13:01	77	75	68.5
18:13:11	77	75	68.5
18:13:21	77	75	68.5
18:13:31	77	75	68.5
18:13:41	77	75	68.5
18:13:51	77	75	68.5
18:14:01	77	75	68.5
18:14:11	77	75	68.5
18:14:21	77	75	68.5
18:14:31	77	75	68.5
18:14:41	77	75	68.5
18:14:51	77	75	68.5
18:15:01	77	75	68.5
18:15:11	77	75	68.5
18:15:21	77	75	68.5
18:15:31	77	75	68.5
18:15:41	77	75	68.5
18:15:51	77	75	68.5
18:16:01	77	75	68.5
18:16:11	77	75	68.5
18:16:21	77	75	68.5
18:16:31	77	75	68.5
18:16:41	77	75	68.5
18:16:51	77	75	68.5
18:17:01	77	75	68.5
18:17:11	77	75	68.5
18:17:21	77	75	68.5
18:17:31	77	75	68.5
18:17:41	77	75	68.5
18:17:51	77	75	68.5
18:18:01	77	75	68.5
18:18:11	77	75	68.5
18:18:21	77	75	68.5
18:18:31	77	75	68.5
18:18:41	77	75	68.5
18:18:51	77	75	68.5
18:19:01	77	75	68.5
18:19:11	77	75	68.5
18:19:21	77	75	68.5
18:19:31	77	75	68.5
18:19:41	77	75	68.5

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:19:51	77	75	68.5
18:20:01	77	75	68.5
18:20:11	77	75	68.5
18:20:21	77	75	68.5
18:20:31	77	75	68.5
18:20:41	77	75	68.5
18:20:51	77	75	68.5
18:21:01	77	75	68.5
18:21:11	77	75.5	68.7
18:21:21	77	75.5	68.7
18:21:31	77	75.5	68.7
18:21:41	77	75.5	68.7
18:21:51	76	75.5	67.6
18:22:01	76	75.5	67.6
18:22:11	76	75.5	67.6
18:22:21	76	75.5	67.6
18:22:31	76	75.5	67.6
18:22:41	76	75.5	67.6
18:22:51	76	75.5	67.6
18:23:01	76	75.5	67.6
18:23:11	76	75.5	67.6
18:23:21	76	75.5	67.6
18:23:31	76	76	67.8
18:23:41	76	75.5	67.6
18:23:51	76	76	67.8
18:24:01	76	76	67.8
18:24:11	76	76	67.8
18:24:21	76	76	67.8
18:24:31	76	76	67.8
18:24:41	76	76	67.8
18:24:51	76	76	67.8
18:25:01	76	76	67.8
18:25:11	76	76.5	68
18:25:21	76	76.5	68
18:25:31	76	76.5	68
18:25:41	76	76.5	68
18:25:51	76	76.5	68
18:26:01	76	76.5	68
18:26:11	76	76.5	68
18:26:21	76	76.5	68
18:26:31	76	76.5	68

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:26:41	76	76.5	68
18:26:51	76	76.5	68
18:27:01	76	76.5	68
18:27:11	76	76.5	68
18:27:21	76	76.5	68
18:27:31	76	77	68.2
18:27:41	76	77	68.2
18:27:51	76	77	68.2
18:28:01	76	77	68.2
18:28:11	76	77	68.2
18:28:21	75	77	67.3
18:28:31	75	77	67.3
18:28:41	75	77	67.3
18:28:51	75	77	67.3
18:29:01	75	77	67.3
18:29:11	75	77	67.3
18:29:21	75	77	67.3
18:29:31	75	77	67.3
18:29:41	75	77	67.3
18:29:51	75	77	67.3
18:30:01	75	77	67.3
18:30:11	75	77	67.3
18:30:21	75	77	67.3
18:30:31	75	77	67.3
18:30:41	75	77	67.3
18:30:51	75	77	67.3
18:31:01	75	77.5	67.5
18:31:11	75	77.5	67.5
18:31:21	75	77.5	67.5
18:31:31	75	77.5	67.5
18:31:41	75	77.5	67.5
18:31:51	75	77.5	67.5
18:32:01	75	77.5	67.5
18:32:11	75	77.5	67.5
18:32:21	75	78	67.7
18:32:31	75	77.5	67.5
18:32:41	75	78	67.7
18:32:51	75	78	67.7
18:33:01	75	78	67.7
18:33:11	75	78	67.7
18:33:21	75	78	67.7

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:33:31	75	78	67.7
18:33:41	75	78	67.7
18:33:51	75	78	67.7
18:34:01	75	78	67.7
18:34:11	75	78	67.7
18:34:21	75	78	67.7
18:34:31	75	78	67.7
18:34:41	75	78	67.7
18:34:51	75	78.5	67.9
18:35:01	75	78.5	67.9
18:35:11	75	78.5	67.9
18:35:21	75	78.5	67.9
18:35:31	74	78.5	66.8
18:35:41	74	78.5	66.8
18:35:51	74	78.5	66.8
18:36:01	74	78.5	66.8
18:36:11	74	78.5	66.8
18:36:21	74	78.5	66.8
18:36:31	74	79	67
18:36:41	74	79	67
18:36:51	74	79	67
18:37:01	74	79	67
18:37:11	74	79	67
18:37:21	74	79	67
18:37:31	74	79	67
18:37:41	74	79	67
18:37:51	74	79	67
18:38:01	74	79	67
18:38:11	74	79	67
18:38:21	74	79	67
18:38:31	74	79	67
18:38:41	74	79	67
18:38:51	74	79	67
18:39:01	74	79	67
18:39:11	74	79	67
18:39:21	74	79.5	67.2
18:39:31	74	79.5	67.2
18:39:41	74	79.5	67.2
18:39:51	74	79	67
18:40:01	74	79	67
18:40:11	74	79	67

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:40:21	74	79	67
18:40:31	74	79.5	67.2
18:40:41	74	79.5	67.2
18:40:51	74	79.5	67.2
18:41:01	74	79.5	67.2
18:41:11	74	79	67
18:41:21	74	79	67
18:41:31	74	79.5	67.2
18:41:41	74	79	67
18:41:51	74	79.5	67.2
18:42:01	74	79	67
18:42:11	74	79.5	67.2
18:42:21	74	79.5	67.2
18:42:31	74	79.5	67.2
18:42:41	74	79.5	67.2
18:42:51	74	79.5	67.2
18:43:01	74	79.5	67.2
18:43:11	74	79.5	67.2
18:43:21	74	79.5	67.2
18:43:31	74	79.5	67.2
18:43:41	74	79.5	67.2
18:43:51	74	79.5	67.2
18:44:01	74	79.5	67.2
18:44:11	74	79.5	67.2
18:44:21	74	79.5	67.2
18:44:31	74	79.5	67.2
18:44:41	74	79.5	67.2
18:44:51	74	79.5	67.2
18:45:01	74	79.5	67.2
18:45:11	74	79.5	67.2
18:45:21	74	79.5	67.2
18:45:31	74	79.5	67.2
18:45:41	74	79.5	67.2
18:45:51	74	79.5	67.2
18:46:01	74	79.5	67.2
18:46:11	74	79.5	67.2
18:46:21	74	79.5	67.2
18:46:31	74	79.5	67.2
18:46:41	74	79.5	67.2
18:46:51	74	79.5	67.2
18:47:01	74	79.5	67.2

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:47:11	74	79.5	67.2
18:47:21	74	79.5	67.2
18:47:31	74	79.5	67.2
18:47:41	75	79.5	68.2
18:47:51	75	79.5	68.2
18:48:01	75	79.5	68.2
18:48:11	75	79.5	68.2
18:48:21	75	79.5	68.2
18:48:31	75	79.5	68.2
18:48:41	74	79.5	67.2
18:48:51	75	79.5	68.2
18:49:01	75	79.5	68.2
18:49:11	75	79.5	68.2
18:49:21	75	79.5	68.2
18:49:31	74	79.5	67.2
18:49:41	75	79.5	68.2
18:49:51	75	79.5	68.2
18:50:01	75	79.5	68.2
18:50:11	75	79.5	68.2
18:50:21	75	79.5	68.2
18:50:31	75	79.5	68.2
18:50:41	75	79.5	68.2
18:50:51	75	79.5	68.2
18:51:01	75	79.5	68.2
18:51:11	75	79.5	68.2
18:51:21	75	79.5	68.2
18:51:31	75	79.5	68.2
18:51:41	75	79.5	68.2
18:51:51	75	79.5	68.2
18:52:01	75	79.5	68.2
18:52:11	75	79.5	68.2
18:52:21	75	79.5	68.2
18:52:31	75	79.5	68.2
18:52:41	75	79.5	68.2
18:52:51	75	79.5	68.2
18:53:01	75	79.5	68.2
18:53:11	75	79.5	68.2
18:53:21	75	79.5	68.2
18:53:31	75	79.5	68.2
18:53:41	75	79.5	68.2
18:53:51	75	79.5	68.2

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

18:54:01	75	79.5	68.2
18:54:11	75	79.5	68.2
18:54:21	75	79.5	68.2
18:54:31	75	79.5	68.2
18:54:41	75	80	68.4
18:54:51	75	79.5	68.2
18:55:01	75	80	68.4
18:55:11	75	80	68.4
18:55:21	75	80	68.4
18:55:31	75	80	68.4
18:55:41	75	80	68.4
18:55:51	75	80	68.4
18:56:01	75	80	68.4
18:56:11	75	80	68.4
18:56:21	75	79.5	68.2
18:56:31	75	79.5	68.2
18:56:41	75	79.5	68.2
18:56:51	75	79.5	68.2
18:57:01	75	79.5	68.2
18:57:11	75	79.5	68.2
18:57:21	75	79.5	68.2
18:57:31	75	79.5	68.2
18:57:41	76	79.5	69.1
18:57:51	76	79	68.9
18:58:01	76	79	68.9
18:58:11	76	79	68.9
18:58:21	76	79	68.9
18:58:31	76	79	68.9
18:58:41	76	79	68.9
18:58:51	76	79	68.9
18:59:01	76	79	68.9
18:59:11	76	79	68.9
18:59:21	76	79	68.9
18:59:31	76	78.5	68.7
18:59:41	76	78.5	68.7
18:59:51	76	78.5	68.7
19:00:01	77	78	69.6
19:00:11	77	78	69.6
19:00:21	77	78	69.6
19:00:31	77	78.5	69.8
19:00:41	77	78.5	69.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:00:51	77	78	69.6
19:01:01	77	78	69.6
19:01:11	77	78	69.6
19:01:21	77	78	69.6
19:01:31	77	78	69.6
19:01:41	77	78	69.6
19:01:51	77	78	69.6
19:02:01	77	77.5	69.4
19:02:11	77	77.5	69.4
19:02:21	78	77.5	70.5
19:02:31	78	77	70.3
19:02:41	78	77	70.3
19:02:51	78	76.5	70.1
19:03:01	78	76.5	70.1
19:03:11	78	76.5	70.1
19:03:21	78	76.5	70.1
19:03:31	78	76.5	70.1
19:03:41	78	76.5	70.1
19:03:51	78	76	69.9
19:04:01	79	76	70.8
19:04:11	79	76	70.8
19:04:21	79	76	70.8
19:04:31	79	75.5	70.6
19:04:41	79	75.5	70.6
19:04:51	79	75.5	70.6
19:05:01	79	75	70.4
19:05:11	79	75	70.4
19:05:21	79	75	70.4
19:05:31	79	75	70.4
19:05:41	79	74.5	70.2
19:05:51	80	74.5	71.2
19:06:01	80	74.5	71.2
19:06:11	80	74.5	71.2
19:06:21	80	74.5	71.2
19:06:31	80	74.5	71.2
19:06:41	80	74.5	71.2
19:06:51	80	74.5	71.2
19:07:01	80	74.5	71.2
19:07:11	80	74	71
19:07:21	80	73.5	70.8
19:07:31	80	73.5	70.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:07:41	80	73.5	70.8
19:07:51	81	73.5	71.7
19:08:01	81	73	71.5
19:08:11	81	73	71.5
19:08:21	81	73	71.5
19:08:31	81	73	71.5
19:08:41	81	73	71.5
19:08:51	81	73	71.5
19:09:01	81	72.5	71.3
19:09:11	81	72.5	71.3
19:09:21	81	72.5	71.3
19:09:31	81	72.5	71.3
19:09:41	81	72.5	71.3
19:09:51	81	72	71.1
19:10:01	82	72	72.1
19:10:11	82	71.5	71.9
19:10:21	82	72	72.1
19:10:31	82	72	72.1
19:10:41	82	71.5	71.9
19:10:51	82	71.5	71.9
19:11:01	82	71.5	71.9
19:11:11	82	71.5	71.9
19:11:21	82	71.5	71.9
19:11:31	82	71	71.7
19:11:41	82	71	71.7
19:11:51	82	71	71.7
19:12:01	82	71	71.7
19:12:11	83	70.5	72.3
19:12:21	83	70.5	72.3
19:12:31	83	70.5	72.3
19:12:41	83	70	72.1
19:12:51	83	70	72.1
19:13:01	83	70	72.1
19:13:11	83	70	72.1
19:13:21	83	70	72.1
19:13:31	83	70	72.1
19:13:41	83	70	72.1
19:13:51	83	70	72.1
19:14:01	83	69.5	71.9
19:14:11	83	69.5	71.9
19:14:21	83	69.5	71.9

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:14:31	83	69.5	71.9
19:14:41	83	69.5	71.9
19:14:51	83	69.5	71.9
19:15:01	83	69.5	71.9
19:15:11	83	69.5	71.9
19:15:21	83	69.5	71.9
19:15:31	83	70	72.1
19:15:41	83	70	72.1
19:15:51	83	70	72.1
19:16:01	83	70	72.1
19:16:11	83	69.5	71.9
19:16:21	83	69.5	71.9
19:16:31	83	69	71.7
19:16:41	83	69	71.7
19:16:51	83	69	71.7
19:17:01	83	69	71.7
19:17:11	84	69	72.7
19:17:21	84	69	72.7
19:17:31	84	69	72.7
19:17:41	84	68.5	72.5
19:17:51	84	69	72.7
19:18:01	84	69	72.7
19:18:11	84	69	72.7
19:18:21	84	69	72.7
19:18:31	84	68.5	72.5
19:18:41	84	68.5	72.5
19:18:51	84	68.5	72.5
19:19:01	84	68.5	72.5
19:19:11	85	68.5	73.4
19:19:21	85	68.5	73.4
19:19:31	85	68	73.2
19:19:41	85	68	73.2
19:19:51	85	67.5	72.9
19:20:01	85	67.5	72.9
19:20:11	85	67.5	72.9
19:20:21	85	67.5	72.9
19:20:31	85	67.5	72.9
19:20:41	85	67	72.7
19:20:51	86	67	73.8
19:21:01	86	67	73.8
19:21:11	86	66.5	73.5

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:21:21	86	66.5	73.5
19:21:31	86	66	73.3
19:21:41	86	66	73.3
19:21:51	86	66	73.3
19:22:01	86	66	73.3
19:22:11	86	66.5	73.5
19:22:21	86	66.5	73.5
19:22:31	86	66.5	73.5
19:22:41	86	66	73.3
19:22:51	86	66	73.3
19:23:01	87	66	74.3
19:23:11	87	66	74.3
19:23:21	87	65.5	74.1
19:23:31	87	65.5	74.1
19:23:41	87	65.5	74.1
19:23:51	87	65.5	74.1
19:24:01	87	65.5	74.1
19:24:11	87	65.5	74.1
19:24:21	88	65	74.7
19:24:31	88	65	74.7
19:24:41	88	64.5	74.5
19:24:51	88	64.5	74.5
19:25:01	88	64	74.3
19:25:11	88	64	74.3
19:25:21	88	64	74.3
19:25:31	88	64	74.3
19:25:41	88	64	74.3
19:25:51	88	63.5	74
19:26:01	88	63.5	74
19:26:11	88	63.5	74
19:26:21	88	63.5	74
19:26:31	88	63.5	74
19:26:41	88	64	74.3
19:26:51	88	64	74.3
19:27:01	89	64	75.3
19:27:11	89	63.5	75
19:27:21	89	63.5	75
19:27:31	89	63.5	75
19:27:41	89	63.5	75
19:27:51	89	63.5	75
19:28:01	89	63	74.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:28:11	89	63	74.8
19:28:21	89	63	74.8
19:28:31	89	63	74.8
19:28:41	90	63	75.7
19:28:51	90	62.5	75.4
19:29:01	90	62.5	75.4
19:29:11	90	62.5	75.4
19:29:21	90	62	75.2
19:29:31	90	62	75.2
19:29:41	90	62	75.2
19:29:51	90	61.5	74.9
19:30:01	91	61	75.7
19:30:11	91	61	75.7
19:30:21	91	61	75.7
19:30:31	91	61	75.7
19:30:41	91	60.5	75.5
19:30:51	91	60.5	75.5
19:31:01	91	60.5	75.5
19:31:11	91	60.5	75.5
19:31:21	91	60.5	75.5
19:31:31	91	60.5	75.5
19:31:41	91	61	75.7
19:31:51	91	61	75.7
19:32:01	91	61	75.7
19:32:11	91	61	75.7
19:32:21	91	60.5	75.5
19:32:31	91	60	75.2
19:32:41	91	60	75.2
19:32:51	91	60	75.2
19:33:01	91	60	75.2
19:33:11	92	60	76
19:33:21	92	60	76
19:33:31	92	60	76
19:33:41	92	60	76
19:33:51	92	60	76
19:34:01	92	59.5	75.8
19:34:11	92	59.5	75.8
19:34:21	92	59.5	75.8
19:34:31	92	59.5	75.8
19:34:41	92	59.5	75.8
19:34:51	92	60	76

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:35:01	92	59.5	75.8
19:35:11	92	59.5	75.8
19:35:21	92	60	76
19:35:31	92	60	76
19:35:41	92	60	76
19:35:51	92	60	76
19:36:01	92	59.5	75.8
19:36:11	92	59.5	75.8
19:36:21	92	59.5	75.8
19:36:31	92	59.5	75.8
19:36:41	92	59.5	75.8
19:36:51	92	60	76
19:37:01	92	59.5	75.8
19:37:11	92	59.5	75.8
19:37:21	92	59.5	75.8
19:37:31	92	59.5	75.8
19:37:41	92	59.5	75.8
19:37:51	92	59.5	75.8
19:38:01	92	59	75.5
19:38:11	92	59	75.5
19:38:21	92	59.5	75.8
19:38:31	92	59	75.5
19:38:41	92	59.5	75.8
19:38:51	92	59.5	75.8
19:39:01	92	59	75.5
19:39:11	92	59.5	75.8
19:39:21	93	59	76.5
19:39:31	93	59	76.5
19:39:41	93	58.5	76.3
19:39:51	93	58.5	76.3
19:40:01	93	58	76
19:40:11	93	58	76
19:40:21	93	58	76
19:40:31	93	58.5	76.3
19:40:41	93	58	76
19:40:51	93	58	76
19:41:01	93	58	76
19:41:11	93	58	76
19:41:21	93	57.5	75.8
19:41:31	93	57.5	75.8
19:41:41	93	57.5	75.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:41:51	93	57.5	75.8
19:42:01	93	57	75.5
19:42:11	93	57.5	75.8
19:42:21	93	57.5	75.8
19:42:31	93	57.5	75.8
19:42:41	93	58	76
19:42:51	93	58	76
19:43:01	93	58	76
19:43:11	93	58	76
19:43:21	93	58	76
19:43:31	93	58	76
19:43:41	93	58	76
19:43:51	93	58	76
19:44:01	93	58	76
19:44:11	93	58	76
19:44:21	93	58	76
19:44:31	93	58	76
19:44:41	93	58	76
19:44:51	93	58	76
19:45:01	92	58	75
19:45:11	92	58	75
19:45:21	92	58	75
19:45:31	92	58	75
19:45:41	92	58	75
19:45:51	92	58.5	75.3
19:46:01	92	58.5	75.3
19:46:11	92	58	75
19:46:21	92	58	75
19:46:31	92	58	75
19:46:41	92	58.5	75.3
19:46:51	92	58.5	75.3
19:47:01	92	58.5	75.3
19:47:11	92	58.5	75.3
19:47:21	92	58.5	75.3
19:47:31	92	58.5	75.3
19:47:41	92	58.5	75.3
19:47:51	92	59	75.5
19:48:01	92	59	75.5
19:48:11	92	59	75.5
19:48:21	92	59	75.5
19:48:31	92	59.5	75.8

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:48:41	92	59	75.5
19:48:51	92	59	75.5
19:49:01	91	59	74.7
19:49:11	91	59	74.7
19:49:21	91	59	74.7
19:49:31	91	59.5	75
19:49:41	91	59.5	75
19:49:51	91	59.5	75
19:50:01	91	60	75.2
19:50:11	91	59.5	75
19:50:21	91	59.5	75
19:50:31	91	59.5	75
19:50:41	91	59	74.7
19:50:51	91	59.5	75
19:51:01	91	59.5	75
19:51:11	91	59	74.7
19:51:21	91	59	74.7
19:51:31	91	59.5	75
19:51:41	91	59.5	75
19:51:51	91	59.5	75
19:52:01	91	59.5	75
19:52:11	90	59.5	73.9
19:52:21	90	59.5	73.9
19:52:31	90	60	74.2
19:52:41	90	59.5	73.9
19:52:51	90	60	74.2
19:53:01	90	60	74.2
19:53:11	90	60	74.2
19:53:21	90	60.5	74.4
19:53:31	90	60.5	74.4
19:53:41	90	60.5	74.4
19:53:51	89	60.5	73.6
19:54:01	89	60.5	73.6
19:54:11	89	61	73.8
19:54:21	89	61	73.8
19:54:31	89	61.5	74.1
19:54:41	89	61.5	74.1
19:54:51	89	61.5	74.1
19:55:01	89	61.5	74.1
19:55:11	89	61.5	74.1
19:55:21	89	61.5	74.1

Temperature & Humidity Changes During the Total Solar Eclipse of April 8, 2024,

19:55:31	89	61.5	74.1
19:55:41	89	61.5	74.1
19:55:51	89	61.5	74.1
19:56:01	89	62	74.3
19:56:11	88	62	73.3
19:56:21	88	62	73.3
19:56:31	88	62.5	73.6
19:56:41	88	62.5	73.6
19:56:51	88	63	73.8
19:57:01	88	63	73.8
19:57:11	87	63.5	73.2
19:57:21	87	63.5	73.2
19:57:31	87	63.5	73.2
19:57:41	87	64	73.4
19:57:51	87	64	73.4
19:58:01	86	64	72.4