Solar Access and Shade Report

2/23/2014

For:

Solar Census

By:

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NREL
303 384-7369

Measurements made by **Solmetric SunEye™** -- www.solmetric.com

Session Properties

Name	17339 Halsted
Creation Date	2/19/2014 12:36
Note	solar census
Location	34.2°N, 118.5°W Mag Dec: 12.4°E Time Zone: GMT-08:00

Solar access averages of 12 skylines in this session

Skylines Averaged: Sky01, Sky01-A, Sky02, Sky03, Sky04, Sky05, Sky06, Sky07, Sky08, Sky09, Sky10, Sky11

Monthly Solar Access Averages

Annual	May-Oct	Nov-Apr
92%	94%	88%

Jan 83% Feb 86% Mar 91% Apr 94% May 95% Jun 95% Jul 96% Aug 96% Sep 91% Oct 89% Nov 84% Dec 81%
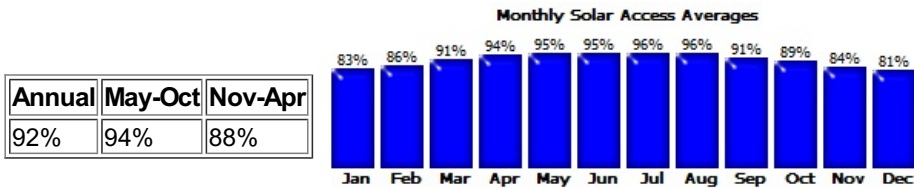
TSRF averages of 12 skylines in this session: 80%

Skylines

- **Sky01 - (no skyline note)**
- **Sky01-A - (no skyline note)**
- **Sky02 - (no skyline note)**
- **Sky03 - (no skyline note)**
- **Sky04 - (no skyline note)**
- **Sky05 - (no skyline note)**
- **Sky06 - (no skyline note)**
- **Sky07 - (no skyline note)**
- **Sky08 - (no skyline note)**
- **Sky09 - (no skyline note)**
- **Sky10 - (no skyline note)**
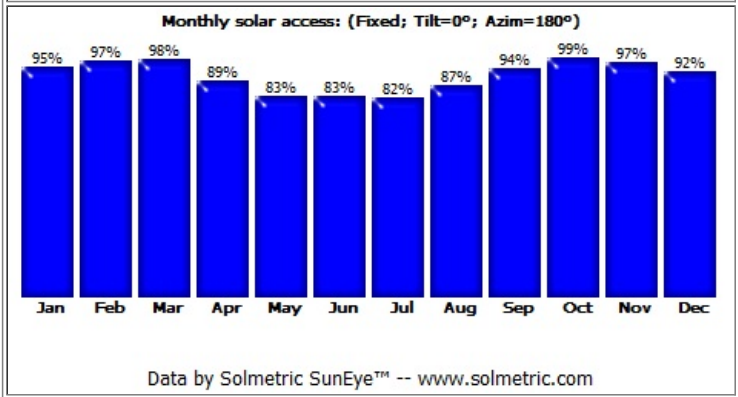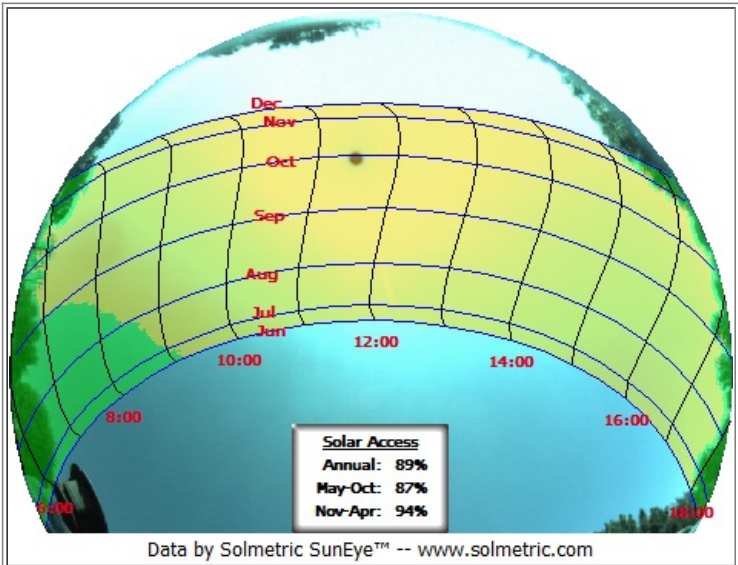- **Sky11 - (no skyline note)**

Sky01 -- 2/19/2014 12:39 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24496°N -- Longitude=118.51294°W
Solar Access: Annual: 89% -- Summer (May-Oct): 87% -- Winter (Nov-Apr): 94%
TSRF: 78% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

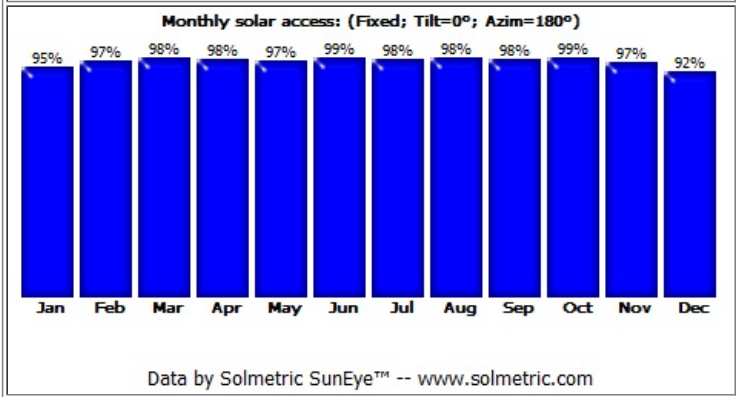Data by Solmetric SunEye™ -- www.solmetric.com

Sky01-A -- 2/19/2014 12:39 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24496°N -- Longitude=118.51294°W
Solar Access: Annual: 98% -- Summer (May-Oct): 98% -- Winter (Nov-Apr): 97%
TSRF: 85% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

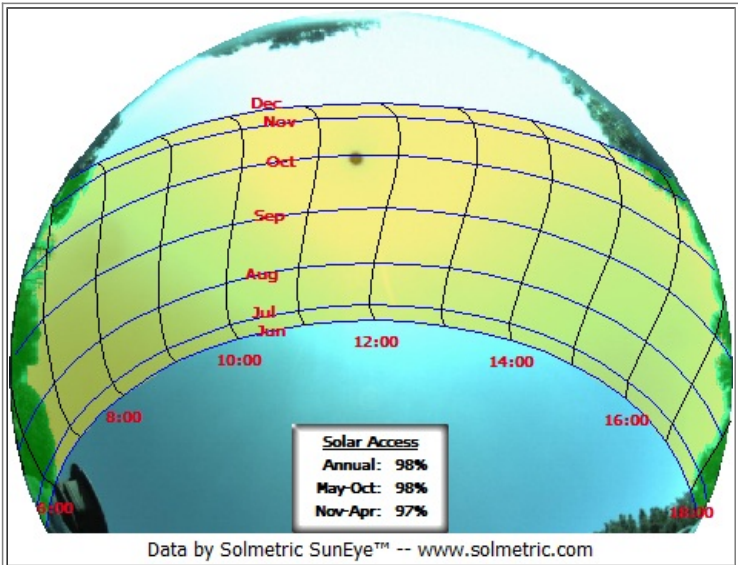
Data by Solmetric SunEye™ -- www.solmetric.com

Sky02 -- 2/19/2014 12:41 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24498°N -- Longitude=118.51289°W
Solar Access: Annual: 97% -- Summer (May-Oct): 98% -- Winter (Nov-Apr): 95%
TSRF: 85% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

Data by Solmetric SunEye™ -- www.solmetric.com

Sky03 -- 2/19/2014 12:42 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=179°**
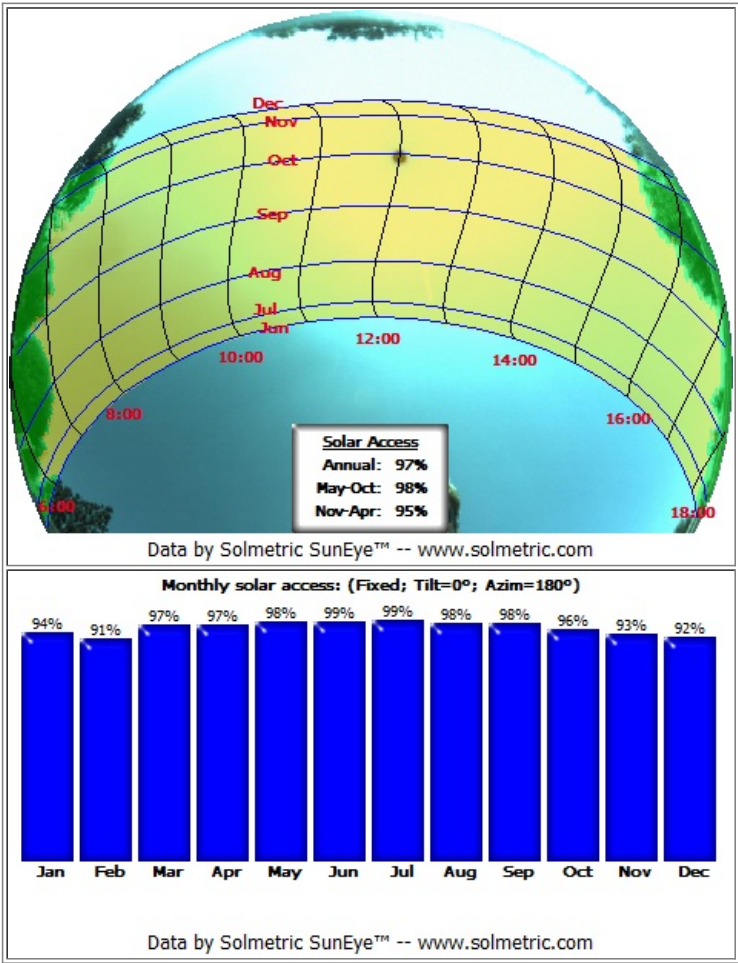**GPS Location:** Latitude=34.24498°N -- Longitude=118.51288°W
Solar Access: Annual: 97% -- Summer (May-Oct): 98% -- Winter (Nov-Apr): 95%
TSRF: 84% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

Data by Solmetric SunEye™ -- www.solmetric.com

Sky04 -- 2/19/2014 12:43 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24498°N -- Longitude=118.51292°W
Solar Access: Annual: 96% -- Summer (May-Oct): 96% -- Winter (Nov-Apr): 94%
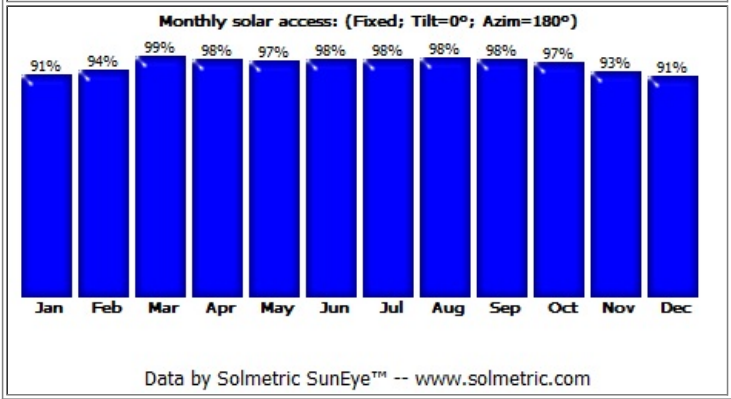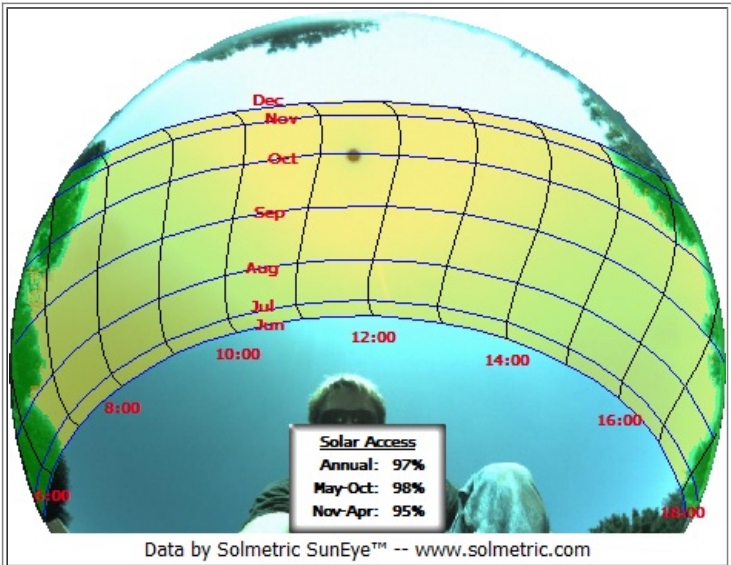**TSRF:** 84% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

Solar Access
Annual:	96%
May-Oct:	96%
Nov-Apr:	94%

Monthly solar access: (Fixed; Tilt=0°; Azim=180°)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
95%	88%	96%	97%	97%	97%	97%	97%	97%	92%	92%	94%

Data by Solmetric SunEye™ -- www.solmetric.com

Sky05 -- 2/19/2014 12:45 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
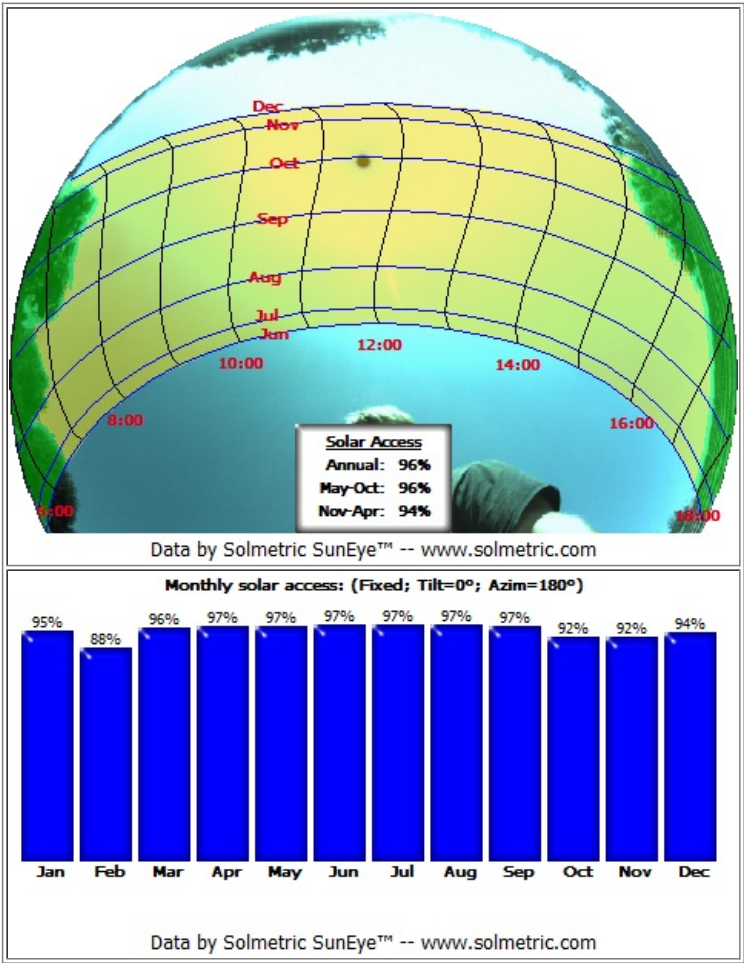**GPS Location:** Latitude=34.24498°N -- Longitude=118.51279°W
Solar Access: Annual: 84% -- Summer (May-Oct): 91% -- Winter (Nov-Apr): 72%
TSRF: 73% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

Data by Solmetric SunEye™ -- www.solmetric.com

Sky06 -- 2/19/2014 12:46 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=181°**
GPS Location: Latitude=34.24498°N -- Longitude=118.51279°W
Solar Access: Annual: 92% -- Summer (May-Oct): 96% -- Winter (Nov-Apr): 85%
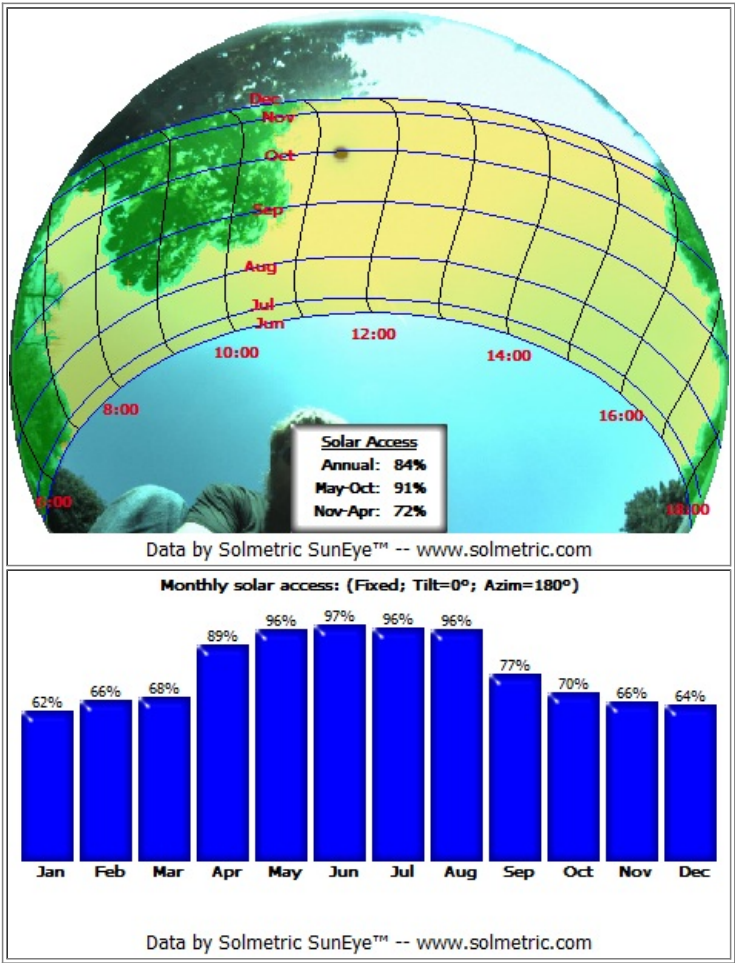**TSRF:** 81% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

Data by Solmetric SunEye™ -- www.solmetric.com

Sky07 -- 2/19/2014 12:47 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
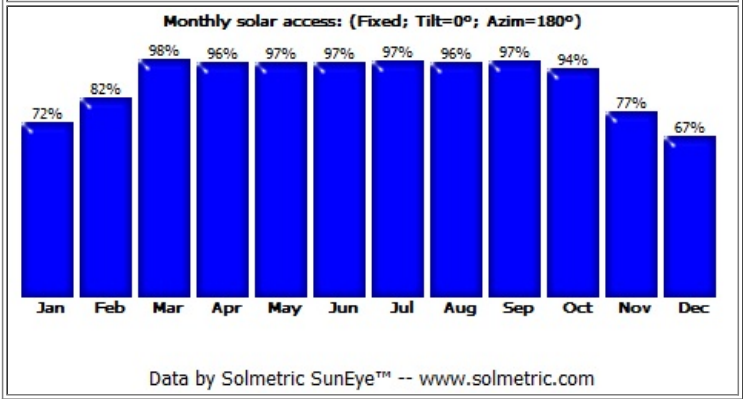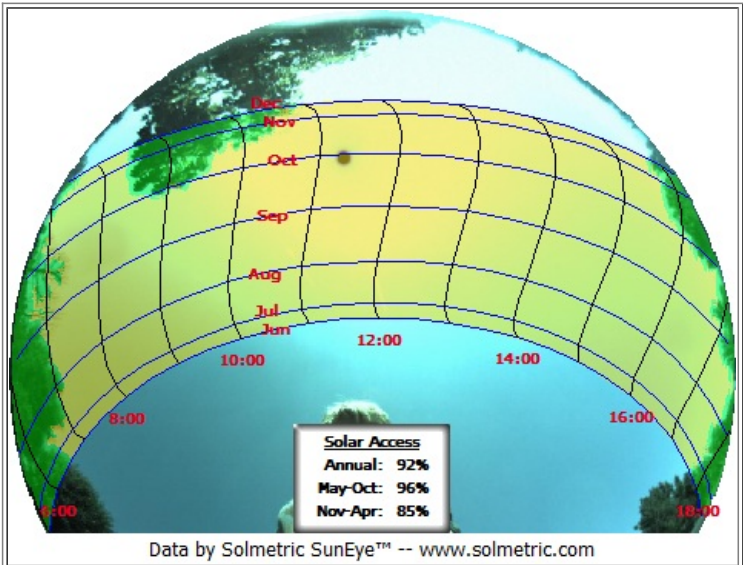**GPS Location:** Latitude=34.24498°N -- Longitude=118.51278°W
Solar Access: Annual: 93% -- Summer (May-Oct): 97% -- Winter (Nov-Apr): 87%
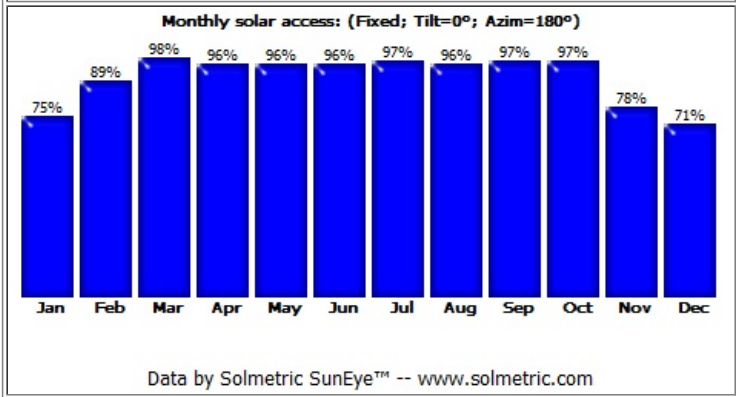**TSRF:** 81% -- **TOF:** 87%

Solar Access	
Annual:	93%
May-Oct:	97%
Nov-Apr:	87%

Data by Solmetric SunEye™ -- www.solmetric.com

Monthly solar access: (Fixed; Tilt=0°; Azim=180°)

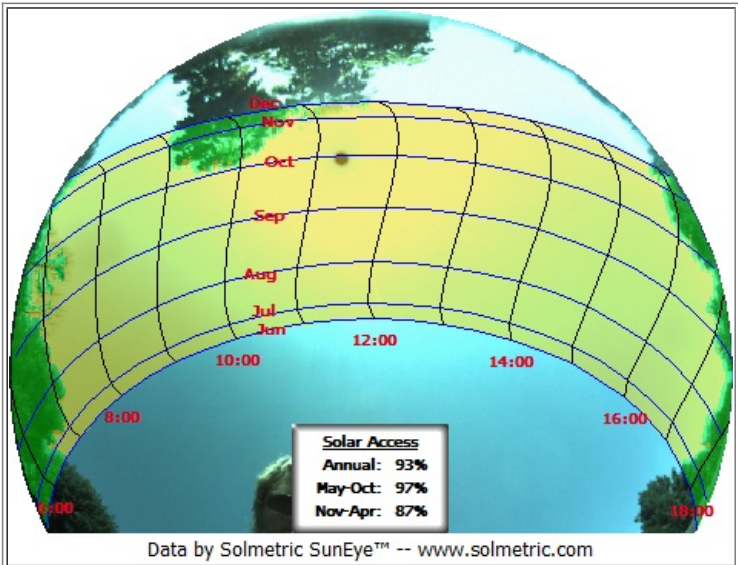| Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
75%	89%	98%	96%	96%	96%	97%	96%	97%	97%	78%	71%

Data by Solmetric SunEye™ -- www.solmetric.com

Sky08 -- 2/19/2014 12:48 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24500°N -- Longitude=118.51279°W
Solar Access: Annual: 97% -- Summer (May-Oct): 96% -- Winter (Nov-Apr): 97%
TSRF: 84% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

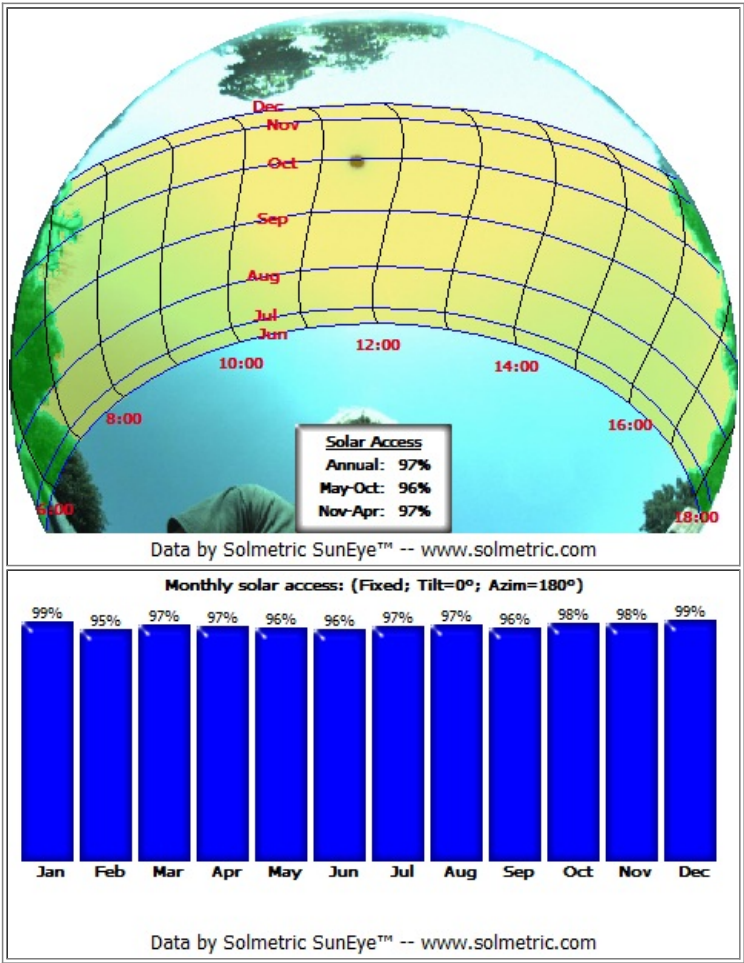Data by Solmetric SunEye™ -- www.solmetric.com

Sky09 -- 2/19/2014 12:49 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24500°N -- Longitude=118.51278°W
Solar Access: Annual: 96% -- Summer (May-Oct): 96% -- Winter (Nov-Apr): 96%
TSRF: 84% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

Monthly solar access: (Fixed; Tilt=0°; Azim=180°)

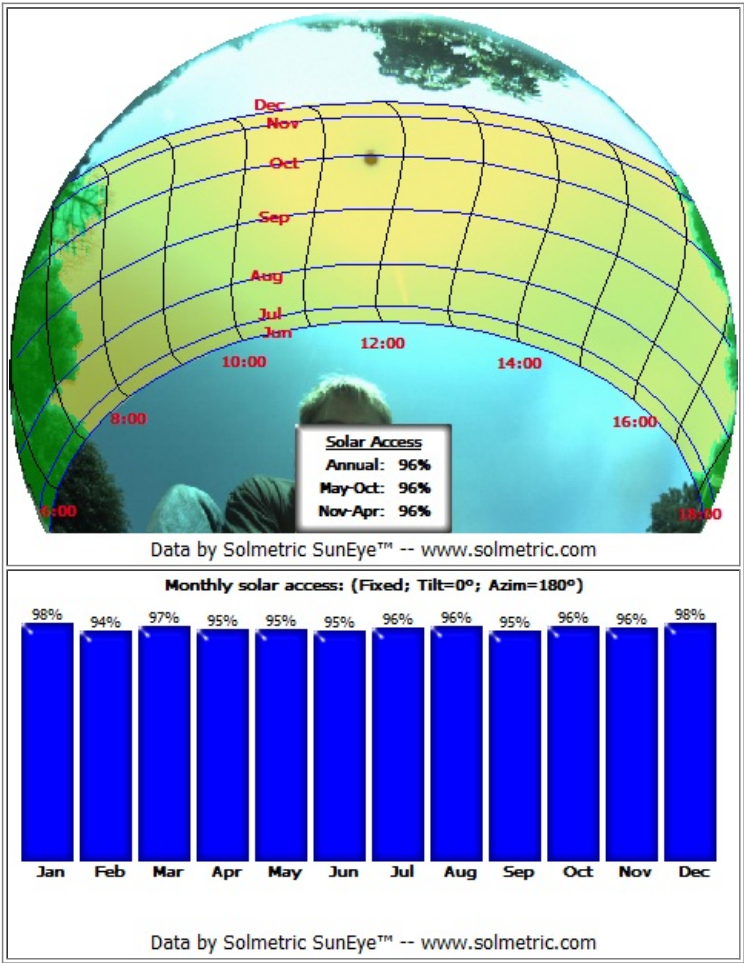| Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
98%	94%	97%	95%	95%	95%	96%	96%	95%	96%	96%	98%

Data by Solmetric SunEye™ -- www.solmetric.com

Sky10 -- 2/19/2014 12:51 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24500°N -- Longitude=118.51274°W
Solar Access: Annual: 92% -- Summer (May-Oct): 95% -- Winter (Nov-Apr): 86%
TSRF: 80% -- **TOF:** 87%

Data by Solmetric SunEye™ -- www.solmetric.com

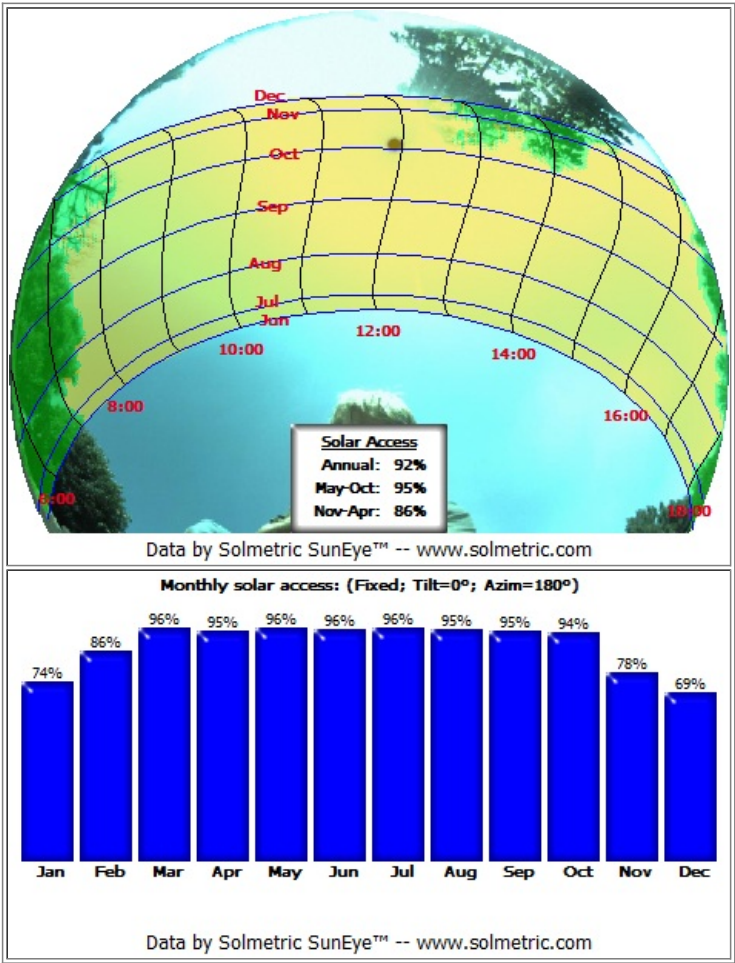Data by Solmetric SunEye™ -- www.solmetric.com

Sky11 -- 2/19/2014 12:52 -- (no skyline note)

Panel Orientation: Tilt=0° -- Azimuth=180° -- **Skyline Heading=180°**
GPS Location: Latitude=34.24498°N -- Longitude=118.51278°W
Solar Access: Annual: 73% -- Summer (May-Oct): 84% -- Winter (Nov-Apr): 56%
TSRF: 64% -- **TOF:** 87%

Solar Access
Annual: 73%
May-Oct: 84%
Nov-Apr: 56%

Data by Solmetric SunEye™ -- www.solmetric.com

Monthly solar access: (Fixed; Tilt=0°; Azim=180°)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
45%	46%	51%	79%	95%	96%	95%	92%	55%	43%	45%	45%

Data by Solmetric SunEye™ -- www.solmetric.com