WU6X

HF OPERATING AIDS

WU6X – Planned or Casual

▶ **Why should I consider it?**

- ❖ Stop guessing who can hear you (distance)
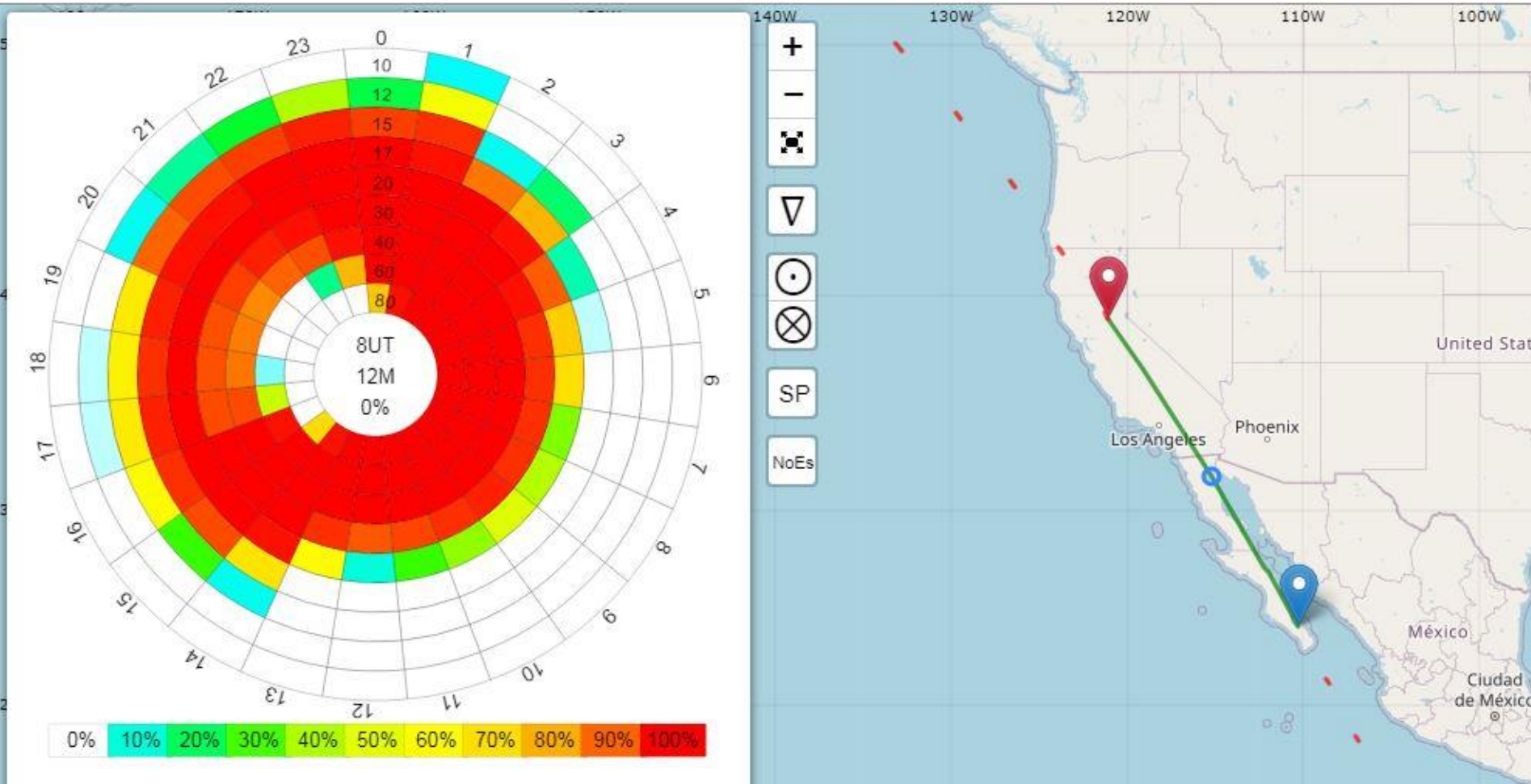- ❖ Whatever reason, improve your chances

▶ **How can I do it?**

- ❖ **Actual:** Many choices … RBN, DXSummit, WSPR, etc.
- ❖ Remove the guesswork, choose the best Time and Band
- ❖ **Forecast:** VOACAP/HF (based on sun spot activity)
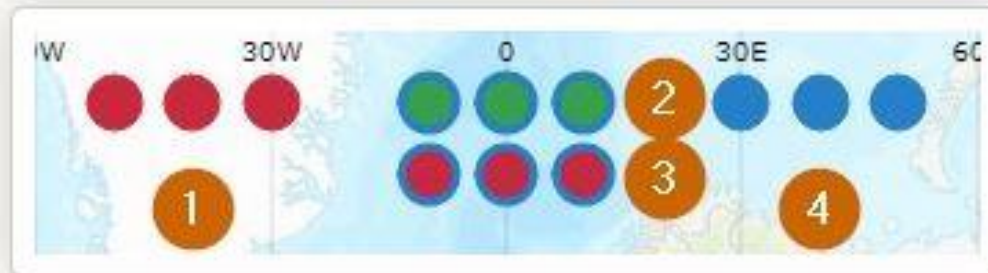
WU6X –Prepare – Prop Predictions

VOACAP Online for Ham Radio – 23:29:54 UTC (04:29 PM)

Select TX QTH: `<< Select a location >>` or set Grid: `CM98lw` or Latitude: `38.9305` Longitude: `-121.0824`

Select RX QTH: `<< Select a location >>` or set Grid: `DL44ud` or Latitude: `24.1460` Longitude: `-110.2910`

8UT
12M
0%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

WU6X –Prepare – Prop Predictions

WU6X – Grayline Predictions

The three sections of circles (colored red, green and blue) on the top part of the interactive map offer the sunrise and sunset times at Transmitter, Midpoint (via Short-Path (first row) and Long-Path (second row)), and Receiver respectively on the given day. All times are UTC.

1) Transmitter; 2) Midpoint of the circuit (Short-Path);
3) Midpoint of the circuit (Long.Path); 4) Receiver

WU6X – UTC to PST

TIME CONVERSION CHART

UTC	EDT/AST	CDT/EST	MDT/CST	PDT/MST	PST
0000*	2000	1900	1800	1700	1600
0100	2100	2000	1900	1800	1700
0200	2200	2100	2000	1900	1800
0300	2300	2200	2100	2000	1900
0400	0000*	2300	2200	2100	2000
0500	0100	0000*	2300	2200	2100
0600	0200	0100	0000*	2300	2200
0700	0300	0200	0100	0000*	2300
0800	0400	0300	0200	0100	0000*
0900	0500	0400	0300	0200	0100
1000	0600	0500	0400	0300	0200
1100	0700	0600	0500	0400	0300
1200	0800	0700	0600	0500	0400
1300	0900	0800	0700	0600	0500
1400	1000	0900	0800	0700	0600
1500	1100	1000	0900	0800	0700
1600	1200	1100	1000	0900	0800
1700	1300	1200	1100	1000	0900
1800	1400	1300	1200	1100	1000
1900	1500	1400	1300	1200	1100
2000	1600	1500	1400	1300	1200
2100	1700	1600	1500	1400	1300
2200	1800	1700	1600	1500	1400
2300	1900	1800	1700	1600	1500
2400	2000	1900	1800	1700	1600

WU6X – Show me! Lets Go Live …

REFERENCES

▶ **Propagation Tools:**

❖ **VOACAP:** https://www.voacap.com/hf/

❖ **DXSummit:** http://www.dxsummit.fi/#/

❖ **Reverse Beacon Network:** https://reversebeacon.net/index.php

❖ **WSPR:** https://www.wsprnet.org/drupal/

QUESTIONS??