K0GU Possible "SSSP" to Eu and N. Africa

K0GU Summer Eu and N. Africa Es Time Correlations

CALCULATED % DIURNAL PROBABILITY	CHARTED REFERENCE UTC	FIXED WESTERN LST for LOC: DN70mq	3 Point Average MIDPOINT Solar EL in°	3 Point AVERAGE ~ EASTERN LST UTC + 2 HRS
0.00%	5:30	23:30	Only Polar > 0°	7:30
0.00%	6:30	0:30	CT Midpoint < 0°	8:30
0.00%	7:30	1:30	CT Midpoint Sunrise	9:30
0.00%	8:30	2:30	12.23	10:30
0.00%	9:30	3:30	19.10	11:30
0.00%	10:30	4:30	26.30	12:30
0.00%	11:30	5:30	33.60	13:30
1.43%	12:30	6:30	40.50	14:30
0.41%	13:30	7:30	46.57	15:30
10.86%	14:30	8:30	51.03	16:30
21.52%	15:30	9:30	53.00	17:30
23.57%	16:30	10:30	51.83	18:30
11.68%	17:30	11:30	47.97	19:30
6.76%	18:30	12:30	42.23	20:30
7.38%	19:30	13:30	35.50	21:30
4.92%	20:30	14:30	28.30	22:30
2.25%	21:30	15:30	20.97	23:30
4.51%	22:30	16:30	14.03	0:30
2.66%	23:30	17:30	7.63	1:30
1.84%	0:30	18:30	CT Midpoint Sunset	2:30
0.20%	1:30	19:30	Only Polar > 0°	3:30
0.00%	2:30	20:30	Only Polar > 0°	4:30
0.00%	3:30	21:30	Only Polar > 0°	5:30
0.00%	4:30	22:30	Only Polar > 0°	6:30

The timing for the best *Multihop Es* probability for the paths[2] under scrutiny is:

SUNRISE	Path Midpoint Sunrise >35° Diurnal Contribution is:	12.70%
MAX Solar El.	Path Midpoint MAX Solar °Elevation Represents:	45.08%
SUNSET	Path Midpoint Sunset > 28° Diurnal Contribution is:	30.74%
	Total contribution for all highlighted Solar Elevation correlations is:	88.52%

Statistical Foundation[1]

488	Total contributing "qualifying data points" for diurnal assessment
114	Total contributing qualifying Es days. Last updated: **30-Aug-16**
17	Total years of screened "qualifiying data" collection contribution

This compilation is free to use for your personal interest and research. It is hoped to be of value.
If you utilize this information in your research papers or articles:
Please credit the sources: Bob Mobile, K1SIX. Thank You!

[1] *Data supplied thanks to K0GU and compiled by K1SIX.*
[2] *Overwhelming majority of path midpoints cross at or north of Locator: GO20hk.*