

Figure 4A. Seasonal Baseline Probability in Tabular Form

SEASONAL Baseline Probability of 50 MHz Transatlantic Es from K1SIX (FN43ad)

MAY (Ave. 12.5%)		JUNE (Ave. 44.1%)		JULY (Ave. 42.9%)		AUGUST (Ave. 15.7%)	
1	Uncharted	1	27.6%	1	44.8%	1	31.0%
2	SEE VE3EN PLOT	2	31.0%	2	55.2%	2	31.0%
3	Uncharted 2.4%	3	31.0%	3	55.2%	3	31.0%
4	Uncharted 2.4%	4	41.4%	4	58.6%	4	24.1%
5	Uncharted	5	31.0%	5	58.6%	5	17.2%
6	Uncharted	6	34.5%	6	51.7%	6	31.0%
7	Uncharted	7	34.5%	7	69.0%	7	27.6%
8	Uncharted 4.9%	8	37.9%	8	55.2%	8	24.1%
9	Uncharted 2.4%	9	44.8%	9	58.6%	9	20.7%
10	Uncharted 2.4%	10	48.3%	10	51.7%	10	24.1%
11	3.4%	11	41.4%	11	41.4%	11	20.7%
12	10.3%	12	48.3%	12	48.3%	12	24.1%
13	3.4%	13	44.8%	13	48.3%	13	34.5%
14	6.9%	14	34.5%	14	37.9%	14	31.0%
15	24.1%	15	34.5%	15	44.8%	15	20.7%
16	6.9%	16	41.4%	16	34.5%	16	10.3%
17	4.9%	17	41.4%	17	34.5%	17	10.3%
18	10.3%	18	41.4%	18	44.8%	18	3.4%
19	17.2%	19	55.2%	19	34.5%	19	10.3%
20	27.6%	20	51.7%	20	34.5%	20	3.4%
21	10.3%	21	44.8%	21	31.0%	21	10.3%
22	13.8%	22	44.8%	22	48.3%	22	6.9%
23	17.2%	23	51.7%	23	37.9%	23	3.4%
24	17.2%	24	41.4%	24	37.9%	24	17.2%
25	31.0%	25	65.5%	25	27.6%	25	0.0%
26	24.1%	26	75.9%	26	37.9%	26	3.4%
27	24.1%	27	65.5%	27	31.0%	27	6.9%
28	27.6%	28	51.7%	28	37.9%	28	3.4%
29	34.5%	29	44.8%	29	34.5%	29	Uncharted
30	37.9%	30	41.4%	30	31.0%	30	Uncharted 4.9%
31	20.7%			31	12.2%	31	Uncharted 2.4%

Probability values equal to or greater than **40%** are in Bold Red Font and highlighted. 0% probability values in bold black font imply insufficient data and should not be trusted. With sufficient sampling, a Gaussian distribution should be assumed. There are insufficient data to prove this. The more data- the better. However, the datasets used to most accurately estimate probability have been restricted to either best of all or 1995 and later, whichever is higher, due to what appears to be an improving trend in efficiency as shown in: [Figure 1a](#)

These data represent **41** years of compiled transatlantic *Multihop* Sporadic E from a single moderately equipped station since 1982 and was last updated on: [31 Aug. 2023](#).

Well equipped stations and/or those with an ocean view should experience higher probability and an extended *Multihop* season. ***This is baseline information only under averaged geomagnetic conditions.*** Elevated geomagnetic conditions may reduce probabilities across high latitude E-W paths such as mainland Europe and may enhance conditions across more southerly paths such as Africa. Your mileage may vary. **The seasonal duration is ~: 100 days.**

This compilation represents: **30,189** 6M QSOs and heard data points for a total of: **1,104** days of actual observed 50 MHz transatlantic Es over the entire period.

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