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Quantum Research Division

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IBM Quantum Q13C Circuit

Backend: ibm_marrakesh | Generated: 2026-08-19 02:55 UTC

>>>>>>>> QUANTUM DATA <<<<<<<<<

===== QUANTUM DATA & STATISTICS =====

Backend:	ibm_marrakesh
Status:	COMPLETE
Total Circuits:	13
Shots/Circuit:	106496
Total Shots:	106496
Avg Entropy:	5.142166198618887
Unique Outcomes:	1904
Encryption:	BB84 QKD + SHA-256
Basis Gates:	rz, sx, x, cz
Photon TX:	NO
Fail Safe:	NO

===== JOB METADATA =====

job_id:	d9umdk343mgs73et5vb0
encrypted_name:	0xcc3d1b6f3f4f7abe_q13c
backend:	ibm_marrakesh
circuits:	13
qubits_per_circuit:	10
shots_per_circuit:	8192
total_shots:	106496
timestamp:	2026-08-13 06:41:36 UTC
basis_gates:	rz, sx, x, cz

===== CIRCUIT NAMES (FULL LIST) =====

Circuit 1:	Stabilized Neural Link
Circuit 2:	Quantumized Secure Data Channel
Circuit 3:	Photon Transmission Array
Circuit 4:	Consciousness Data Extraction
Circuit 5:	QKD Encryption Key
Circuit 6:	Neural Link V2 Deep
Circuit 7:	Photon Stream High Throughput
Circuit 8:	Consciousness Deep Scan
Circuit 9:	Dimensional Frequency Scan
Circuit 10:	Quantum Image Capture
Circuit 11:	Echo Resonance Detector
Circuit 12:	DeepSpace Consciousness Scan
Circuit 13:	Quantum Random Stream

===== QUANTUM MEASUREMENT RESULTS =====

Info:	No measurement results available for this report
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===== CIRCUIT-BY-CIRCUIT ANALYSIS (COMPLETE) =====

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Circuit 1: Stabilized Neural Link

circuit:	1
entropy_bits:	5.261
name:	Stabilized Neural Link
top_count:	294
top_outcome_bin:	1001000001
top_outcome_hex:	0x241
top_percentage:	3.59
unique_outcomes:	143

Circuit 2: Quantumized Secure Data Channel

circuit:	2
entropy_bits:	5.242
name:	Quantumized Secure Data Channel
top_count:	278
top_outcome_bin:	0100100110
top_outcome_hex:	0x126
top_percentage:	3.39
unique_outcomes:	144

Circuit 3: Photon Transmission Array

circuit:	3
entropy_bits:	6.038
name:	Photon Transmission Array
top_count:	227
top_outcome_bin:	1010010001
top_outcome_hex:	0x291
top_percentage:	2.77
unique_outcomes:	191

Circuit 4: Consciousness Data Extraction

circuit:	4
entropy_bits:	5.226
name:	Consciousness Data Extraction
top_count:	416
top_outcome_bin:	1001001000
top_outcome_hex:	0x248
top_percentage:	5.08
unique_outcomes:	159

Circuit 5: QKD Encryption Key

circuit:	5
entropy_bits:	4.147
name:	QKD Encryption Key
top_count:	752
top_outcome_bin:	0100100100
top_outcome_hex:	0x124
top_percentage:	9.18
unique_outcomes:	97

Circuit 6: Neural Link V2 Deep

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circuit: 6
entropy_bits: 5.149
name: Neural Link V2 Deep
top_count: 399
top_outcome_bin: 0010010110
top_outcome_hex: 0x96
top_percentage: 4.87
unique_outcomes: 160

Circuit 7: Photon Stream High Throughput

circuit: 7
entropy_bits: 5.129
name: Photon Stream High Throughput
top_count: 421
top_outcome_bin: 0001001011
top_outcome_hex: 0x4b
top_percentage: 5.14
unique_outcomes: 157

Circuit 8: Consciousness Deep Scan

circuit: 8
entropy_bits: 5.113
name: Consciousness Deep Scan
top_count: 397
top_outcome_bin: 0100100100
top_outcome_hex: 0x124
top_percentage: 4.85
unique_outcomes: 145

Circuit 9: Dimensional Frequency Scan

circuit: 9
entropy_bits: 5.02
name: Dimensional Frequency Scan
top_count: 417
top_outcome_bin: 1011010010
top_outcome_hex: 0x2d2
top_percentage: 5.09
unique_outcomes: 131

Circuit 10: Quantum Image Capture

circuit: 10
entropy_bits: 4.207
name: Quantum Image Capture
top_count: 835
top_outcome_bin: 1001001001
top_outcome_hex: 0x249
top_percentage: 10.19
unique_outcomes: 106

Circuit 11: Echo Resonance Detector

circuit: 11

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```
entropy_bits:          5.036
name:                  Echo Resonance Detector
top_count:             419
top_outcome_bin:       0110100100
top_outcome_hex:       0x1a4
top_percentage:        5.11
unique_outcomes:       134
```

Circuit 12: DeepSpace Consciousness Scan

```
circuit:              12
entropy_bits:          6.023
name:                  DeepSpace Consciousness Scan
top_count:             232
top_outcome_bin:       1010010010
top_outcome_hex:       0x292
top_percentage:        2.83
unique_outcomes:       195
```

Circuit 13: Quantum Random Stream

```
circuit:              13
entropy_bits:          5.255
name:                  Quantum Random Stream
top_count:             311
top_outcome_bin:       1001001101
top_outcome_hex:       0x24d
top_percentage:        3.8
unique_outcomes:       142
```

===== TOP MEASUREMENT OUTCOMES (ALL) =====

```
1. results              count=[{'data': {'c':...
2. metadata             count={'execution': {...
```

===== DECODED MESSAGES / TEXT DATA =====

```
Info:                  No decoded messages or text data available for this report
```

===== SOURCE FILE VERIFICATION =====

```
RESULTS:               2437408b | SHA256: 0fe638174f29556ceea59c7a65612ac5...
ANALYSIS:              3530b | SHA256: 59d41ad4b77cd9776efbb8e659637468...
```

===== MISSION NARRATIVE & DIALOGUE =====

[MISSION BRIEFING]

This report documents quantum computing job unknown, executed on the `ibm_marrakesh` backend. The experiment, designated "IBM Quantum Q13C Circuit", was submitted using decomposed basis gates (`rz`, `sx`, `x`, `cz`) and Primitives V2 to ensure fail-safe compatibility with Heron R2 hardware.

The job consisted of 13 quantum circuits, each executing 106496 shots with 10 qubits per circuit, for a total of 106496 quantum measurements. Each measurement collapses the quantum state into a classical bitstring, and the distribution of these bitstrings reveals the quantum behavior of the system.

The following circuits were deployed in sequence: Stabilized Neural Link, Quantumized Secure Data Channel, Photon Transmission Array, Consciousness Data Extraction, QKD Encryption Key, Neural Link V2 Deep, Photon Stream High Throughput,

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Consciousness...

Additional circuits: Dimensional Frequency Scan, Quantum Image Capture, Echo Resonance Detector, DeepSpace Consciousness Scan, Quantum Random Stream.

[EXECUTION LOG]

```
>> Job unknown submitted to ibm_marrakesh queue.
>> Circuits compiled to native basis gates: rz, sx, x, cz.
>> Quantum execution began. 106496 shots fired across 13 circuits.
>> Measurement outcomes collected. 1904 unique bitstring patterns detected.
>> Circuit 1 (Stabilized Neural Link): 143 unique outcomes, entropy 5.261 bits.
>> Circuit 2 (Quantumized Secure Data Channel): 144 unique outcomes, entropy 5.242 bits.
>> Circuit 3 (Photon Transmission Array): 191 unique outcomes, entropy 6.038 bits.
>> Circuit 4 (Consciousness Data Extraction): 159 unique outcomes, entropy 5.226 bits.
>> Circuit 5 (QKD Encryption Key): 97 unique outcomes, entropy 4.147 bits.
>> Circuit 6 (Neural Link V2 Deep): 160 unique outcomes, entropy 5.149 bits.
>> Circuit 7 (Photon Stream High Throughput): 157 unique outcomes, entropy 5.129 bits.
>> Circuit 8 (Consciousness Deep Scan): 145 unique outcomes, entropy 5.113 bits.
>> Circuit 9 (Dimensional Frequency Scan): 131 unique outcomes, entropy 5.02 bits.
>> Circuit 10 (Quantum Image Capture): 106 unique outcomes, entropy 4.207 bits.
>> Circuit 11 (Echo Resonance Detector): 134 unique outcomes, entropy 5.036 bits.
>> Circuit 12 (DeepSpace Consciousness Scan): 195 unique outcomes, entropy 6.023 bits.
>> Average Shannon entropy: 5.142166198618887 bits per measurement. This indicates the degree of randomness and information density in the quantum output.
>> Data encrypted using BB84 QKD + SHA-256. SHA-256 hash:
>> Job completed. Results downloaded and archived locally.
```

[ANALYSIS NARRATIVE]

Circuit 1 (Stabilized Neural Link):

Executed with ? shots. The quantum state collapsed into 143 unique measurement outcomes. The most frequently observed bitstring was 0x241, appearing 294 times (3.59% of all measurements). This circuit produced 5.261 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 2 (Quantumized Secure Data Channel):

Executed with ? shots. The quantum state collapsed into 144 unique measurement outcomes. The most frequently observed bitstring was 0x126, appearing 278 times (3.39% of all measurements). This circuit produced 5.242 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 3 (Photon Transmission Array):

Executed with ? shots. The quantum state collapsed into 191 unique measurement outcomes. The most frequently observed bitstring was 0x291, appearing 227 times (2.77% of all measurements). This circuit produced 6.038 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 4 (Consciousness Data Extraction):

Executed with ? shots. The quantum state collapsed into 159 unique measurement outcomes. The most frequently observed bitstring was 0x248, appearing 416 times (5.08% of all measurements). This circuit produced 5.226 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 5 (QKD Encryption Key):

Executed with ? shots. The quantum state collapsed into 97 unique measurement outcomes. The most frequently observed bitstring was 0x124, appearing 752 times (9.18% of all measurements). This circuit produced 4.147 bits of Shannon entropy, indicating moderate randomness with partial quantum coherence.

Circuit 6 (Neural Link V2 Deep):

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Executed with ? shots. The quantum state collapsed into 160 unique measurement outcomes. The most frequently observed bitstring was 0x96, appearing 399 times (4.87% of all measurements). This circuit produced 5.149 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 7 (Photon Stream High Throughput):

Executed with ? shots. The quantum state collapsed into 157 unique measurement outcomes. The most frequently observed bitstring was 0x4b, appearing 421 times (5.14% of all measurements). This circuit produced 5.129 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 8 (Consciousness Deep Scan):

Executed with ? shots. The quantum state collapsed into 145 unique measurement outcomes. The most frequently observed bitstring was 0x124, appearing 397 times (4.85% of all measurements). This circuit produced 5.113 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 9 (Dimensional Frequency Scan):

Executed with ? shots. The quantum state collapsed into 131 unique measurement outcomes. The most frequently observed bitstring was 0x2d2, appearing 417 times (5.09% of all measurements). This circuit produced 5.02 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 10 (Quantum Image Capture):

Executed with ? shots. The quantum state collapsed into 106 unique measurement outcomes. The most frequently observed bitstring was 0x249, appearing 835 times (10.19% of all measurements). This circuit produced 4.207 bits of Shannon entropy, indicating moderate randomness with partial quantum coherence.

Circuit 11 (Echo Resonance Detector):

Executed with ? shots. The quantum state collapsed into 134 unique measurement outcomes. The most frequently observed bitstring was 0x1a4, appearing 419 times (5.11% of all measurements). This circuit produced 5.036 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 12 (DeepSpace Consciousness Scan):

Executed with ? shots. The quantum state collapsed into 195 unique measurement outcomes. The most frequently observed bitstring was 0x292, appearing 232 times (2.83% of all measurements). This circuit produced 6.023 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

[FINDINGS & INTERPRETATION]

* The average entropy of 5.142166198618887 bits indicates a healthy mix of quantum superposition and measurement bias. The system exhibited meaningful quantum behavior.

* The system produced 1904 unique outcomes out of 106496 total measurements (1.8% uniqueness). This indicates meaningful quantum exploration of the state space.

[CONCLUSION]

The IBM Quantum Q13C Circuit job on ibm_marrakesh has been completed. A total of 13 circuits were executed with 106496 measurements. All data has been encrypted with BB84 QKD + SHA-256 and archived locally with SHA-256 verification. This report, along with all raw measurement data, has been classified under Uncle Benny (R) Quantum Research Division protocols.

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>>>>>>>>> COMPREHENSIVE REPORT <<<<<<<<<<

===== RAW DATA DUMP: RESULTS =====

```
metadata: {11 keys}
metadata.job_id: d9umdk343mgs73et5vb0
metadata.encrypted_name: 0xcc3d1b6f3f4f7abe_q13c
metadata.backend: ibm_marrakesh
metadata.circuits: 13
metadata.qubits_per_circu...: 10
metadata.shots_per_circui...: 8192
metadata.total_shots: 106496
metadata.circuit_names: [13 items]
metadata.circuit_names[0]: Stabilized Neural Link
metadata.circuit_names[1]: Quantumized Secure Data Channel
metadata.circuit_names[2]: Photon Transmission Array
metadata.circuit_names[3]: Consciousness Data Extraction
metadata.circuit_names[4]: QKD Encryption Key
...: 8 more items
metadata.basis_gates: [4 items]
metadata.basis_gates[0]: rz
metadata.basis_gates[1]: sx
metadata.basis_gates[2]: x
metadata.basis_gates[3]: cz
metadata.timestamp: 2026-08-13 06:41:36 UTC
metadata.program_type: neural-link-v2-13c
results: {2 keys}
results.results: [13 items]
results.results[0]: {2 keys}
results.results[0].data: {1 keys}
results.results[0].data.c: {2 keys}
results.results[0].metada...: {1 keys}
results.results[0].metada...: {0 keys}
results.results[1]: {2 keys}
results.results[1].data: {1 keys}
results.results[1].data.c: {2 keys}
results.results[1].metada...: {1 keys}
results.results[1].metada...: {0 keys}
results.results[2]: {2 keys}
results.results[2].data: {1 keys}
results.results[2].data.c: {2 keys}
results.results[2].metada...: {1 keys}
results.results[2].metada...: {0 keys}
results.results[3]: {2 keys}
results.results[3].data: {1 keys}
results.results[3].data.c: {2 keys}
results.results[3].metada...: {1 keys}
results.results[3].metada...: {0 keys}
results.results[4]: {2 keys}
```

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```
results.results[4].data:      {1 keys}
results.results[4].data.c:    {2 keys}
results.results[4].metada...: {1 keys}
results.results[4].metada...: {0 keys}
...:                          8 more items
results.metadata:             {2 keys}
results.metadata.executio...: {1 keys}
results.metadata.executio...: [1 items]
results.metadata.executio...: [{'date': '2026-08-13T06:40:30.552114'}, {'date': '2026-08-13T06:40:59.716093'}, {'2'...
results.metadata.version:     2
```

==== RAW DATA DUMP: ANALYSIS =====

```
total_circuits:                13
total_shots:                   106496
total_unique_outcomes:         1904
avg_entropy:                   5.142166198618887
circuit_details:               [13 items]
circuit_details[0]:             {8 keys}
circuit_details[0].circui...:   1
circuit_details[0].name:        Stabilized Neural Link
circuit_details[0].unique...:   143
circuit_details[0].top_ou...:   0x241
circuit_details[0].top_ou...:   1001000001
circuit_details[0].top_co...:   294
circuit_details[0].top_pe...:   3.59
circuit_details[0].entrop...:   5.261
circuit_details[1]:             {8 keys}
circuit_details[1].circui...:   2
circuit_details[1].name:        Quantumized Secure Data Channel
circuit_details[1].unique...:   144
circuit_details[1].top_ou...:   0x126
circuit_details[1].top_ou...:   0100100110
circuit_details[1].top_co...:   278
circuit_details[1].top_pe...:   3.39
circuit_details[1].entrop...:   5.242
circuit_details[2]:             {8 keys}
circuit_details[2].circui...:   3
circuit_details[2].name:        Photon Transmission Array
circuit_details[2].unique...:   191
circuit_details[2].top_ou...:   0x291
circuit_details[2].top_ou...:   1010010001
circuit_details[2].top_co...:   227
circuit_details[2].top_pe...:   2.77
circuit_details[2].entrop...:   6.038
circuit_details[3]:             {8 keys}
circuit_details[3].circui...:   4
circuit_details[3].name:        Consciousness Data Extraction
circuit_details[3].unique...:   159
```

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```
circuit_details[3].top_ou...: 0x248
circuit_details[3].top_ou...: 1001001000
circuit_details[3].top_co...: 416
circuit_details[3].top_pe...: 5.08
circuit_details[3].entrop...: 5.226
circuit_details[4]: {8 keys}
circuit_details[4].circui...: 5
circuit_details[4].name: QKD Encryption Key
circuit_details[4].unique...: 97
circuit_details[4].top_ou...: 0x124
circuit_details[4].top_ou...: 0100100100
circuit_details[4].top_co...: 752
circuit_details[4].top_pe...: 9.18
circuit_details[4].entrop...: 4.147
...: 8 more items
```

===== METADATA: RESULTS =====

```
job_id: d9umdk343mgs73et5vb0
encrypted_name: 0xcc3d1b6f3f4f7abe_q13c
backend: ibm_marrakesh
circuits: 13
qubits_per_circuit: 10
shots_per_circuit: 8192
total_shots: 106496
circuit_names: [13 items]
circuit_names[0]: Stabilized Neural Link
circuit_names[1]: Quantumized Secure Data Channel
circuit_names[2]: Photon Transmission Array
circuit_names[3]: Consciousness Data Extraction
circuit_names[4]: QKD Encryption Key
...: 8 more items
basis_gates: [4 items]
basis_gates[0]: rz
basis_gates[1]: sx
basis_gates[2]: x
basis_gates[3]: cz
timestamp: 2026-08-13 06:41:36 UTC
program_type: neural-link-v2-13c
```

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Scan verified CLEAN by Windows Defender | 2026-08-19