

The following tables might be useful during the event.

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A,B | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| C,D | O | P | Q | R | S | T | U | V | W | X | Y | Z | N |
| E,F | P | Q | R | S | T | U | V | W | X | Y | Z | N | O |
| G,H | Q | R | S | T | U | V | W | X | Y | Z | N | O | P |
| I,J | R | S | T | U | V | W | X | Y | Z | N | O | P | Q |
| K,L | S | T | U | V | W | X | Y | Z | N | O | P | Q | R |
| M,N | T | U | V | W | X | Y | Z | N | O | P | Q | R | S |
| O,P | U | V | W | X | Y | Z | N | O | P | Q | R | S | T |
| Q,R | V | W | X | Y | Z | N | O | P | Q | R | S | T | U |
| S,T | W | X | Y | Z | N | O | P | Q | R | S | T | U | V |
| U,V | X | Y | Z | N | O | P | Q | R | S | T | U | V | W |
| W,X | Y | Z | N | O | P | Q | R | S | T | U | V | W | X |
| Y,Z | Z | N | O | P | Q | R | S | T | U | V | W | X | Y |

| | | | |
|-------|-----|-------|-----|
| AAAAA | A | ABBAA | N |
| AAAAB | B | ABBAB | O |
| AAABA | C | ABBBA | P |
| AAABB | D | ABBBB | Q |
| AABAA | E | BAAAA | R |
| AABAB | F | BAAAB | S |
| AABBA | G | BAABA | T |
| AABBB | H | BAABB | U/V |
| ABAAA | I/J | BABAA | W |
| ABAAB | K | BABAB | X |
| ABABA | L | BABBA | Y |
| ABABB | M | BABBB | Z |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Z | Y | X | W | V | U | T | S | R | Q | P | O | N | M | L | K | J | I | H | G | F | E | D | C | B | A |

| | | | | | | | | | | | |
|---|---|----|----|---|----|----|----|----|----|----|----|
| 1 | 3 | 5 | 7 | 9 | 11 | 15 | 17 | 19 | 21 | 23 | 25 |
| 1 | 9 | 21 | 15 | 3 | 19 | 7 | 23 | 11 | 5 | 17 | 25 |

Frequency Table of English letters:

| | | | | | | | | | |
|-----|--------|-----|-------|-----|-------|-----|-------|-----|-------|
| E - | 12.51% | S - | 6.54% | C - | 3.06% | G - | 1.96% | K - | 0.67% |
| T - | 9.25% | R - | 6.12% | U - | 2.71% | W - | 1.92% | X - | 0.19% |
| A - | 8.04% | H - | 5.49% | M - | 2.53% | Y - | 1.73% | J - | 0.16% |
| O - | 7.60% | L - | 4.14% | F - | 2.30% | B - | 1.54% | Q - | 0.11% |
| I - | 7.26% | D - | 3.99% | P - | 2.00% | V - | 0.99% | Z - | 0.09% |
| N - | 7.09% | | | | | | | | |

Frequency Table of Spanish letters:

| | | | | | | | | | |
|-----|--------|-----|-------|-----|-------|-----|-------|-----|-------|
| E - | 14.08% | I - | 5.98% | M - | 3.08% | Y - | 1.09% | Z - | 0.47% |
| A - | 12.16% | L - | 5.24% | P - | 2.89% | V - | 1.05% | Ñ - | 0.17% |
| O - | 9.20% | D - | 4.67% | B - | 1.49% | G - | 1.00% | X - | 0.14% |
| S - | 7.20% | T - | 4.60% | H - | 1.18% | F - | 0.69% | K - | 0.11% |
| N - | 6.83% | U - | 4.69% | Q - | 1.11% | J - | 0.52% | W - | 0.04% |
| R - | 6.41% | C - | 3.87% | | | | | | |

For the purposes of cryptograms it is customary to treat *n* and *ñ* as distinct letters, but *a* and *á* are the same letter. Likewise for *e* and *é*, and *i* and *í*. In other words, all the accent marks get amputated when working with cryptograms. Also, while some older Spanish dictionaries consider *ch*, *ll*, and *rr*, to be their own letters—this has fallen out of modern usage. Accordingly, “burro” is considered as five letters: “b-u-r-r-o” and not as four letters “b-u-rr-o.”

Morse Code:

| | |
|---|------|
| A | ●— |
| B | —●●● |
| C | —●—● |
| D | —●● |
| E | ● |

| | |
|---|-------|
| F | ●●—● |
| G | ——● |
| H | ●●●●● |
| I | ●● |
| J | ●——— |

| | |
|---|------|
| K | —●— |
| L | ●—●● |
| M | — |
| N | —● |
| O | — |

| | |
|---|-------|
| P | ●---● |
| Q | --●-- |
| R | ●-● |
| S | ●●● |
| T | - |

| | |
|---|------|
| U | ●●— |
| V | ●●●— |
| W | ●— |
| X | —●●— |
| Y | —●— |
| Z | —●● |

| | |
|---|--------|
| 0 | ----- |
| 1 | ●----- |

| | |
|---|-------|
| 2 | ●●--- |
| 3 | ●●●-- |

| | |
|---|-----------|
| 4 | ● ● ● ● - |
| 5 | ● ● ● ● ● |

| | |
|---|-------|
| 6 | —●●●● |
| 7 | —●●●● |

| | |
|---|-------|
| 8 | ---●● |
| 9 | ---● |

| | |
|---------|---|
| ● | E |
| ●● | I |
| ●●● | S |
| ●●●● | H |
| —●●● | B |
| — — — — | 0 |
| ●●●●● | 5 |

| | |
|-------|---|
| — | T |
| ●— | A |
| ●●— | U |
| ●●●— | V |
| —●●— | X |
| ●——— | 1 |
| —●●●● | 6 |

| | |
|--------|---|
| -● | N |
| ●-● | R |
| ●●-● | F |
| -●-● | C |
| ●●---- | 2 |
| --●●● | 7 |

| | |
|-------|---|
| -- | M |
| ●-- | W |
| ●-●● | L |
| -●-- | Y |
| ●●●-- | 3 |
| ---●● | 8 |

| | |
|-----------|---|
| —●● | D |
| ●—● | P |
| —●● | Z |
| ●●●●— | 4 |
| — — — — ● | 9 |

| | |
|------|---|
| —●— | K |
| ●--- | J |
| --●— | Q |

| | |
|-----|---|
| --● | G |
|-----|---|

| | |
|-----|---|
| --- | 0 |
|-----|---|