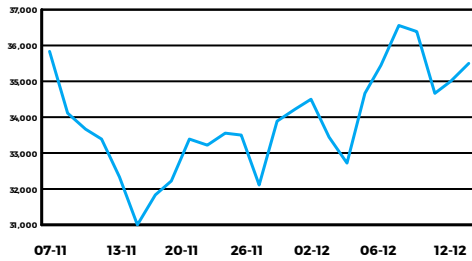


Acciones
Índice S&P Merval

Índice S&P Merval + 1.39%

Mínimo 34635.36 Máximo 35697.74 Cierre 35504.63

Mayores Alzas

 VALO + 6.03%
 BBAR + 5.05%
 TXAR + 4.81%

Mayores Bajas

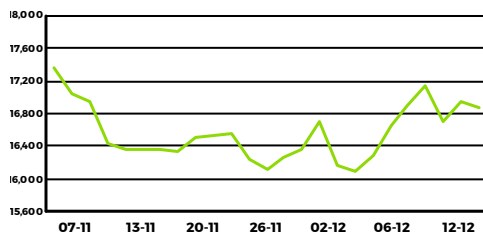
 CRES - 3.42%
 TRAN - 3.17%
 TECO2 - 2.21%

ADR Argentinos en N.Y.

 YPF U\$S 10.34 + 5.83%
 P. Brasileiro U\$S - S/C
 Tenaris U\$S - S/C

Otros Índices de Acciones

 S&P BYMA Gral. + 1.43%
 S&P Merval Arg. + 1.72%

Bonos
Índice de Bonos IAMC- $\$$

Índice de Bonos IAMC - 0.33%

Cierre 16878.064 Tasa 10 años EEUU 1.90% + 11 pbs

Bonos Nacionales
Mayores Alzas

 TC23 + 21.54%
 AA26 + 8.86%
 U20D9 + 8.60%

Mayores Bajas

 U29N9 - 25.41%
 U15N9 - 5.02%
 S31O9 - 4.75%

Volúmenes Operados

| | |
|---------------------------------------|-----------------------|
| TOTAL * | 84,947,679,946 |
| MERCADO CONTADO | 62,509,323,784 |
| Renta Variable: (1+2) | 1,105,720,558 |
| 1. Prioridad Precio-Tiempo | 1,100,891,532 |
| Acciones | 992,990,855 |
| Cedears | 107,900,677 |
| 2. Ejercicios | 4,829,026 |
| Renta Fija: (3 + 4) | 61,403,603,226 |
| 3. Prioridad Precio-Tiempo | 12,691,199,140 |
| 4. SENEBI | 48,712,404,086 |
| MERCADO FUTURO | 22,438,356,162 |
| Plazo/Plazo x Lote/Pase Colocador PPT | 218,192,123 |
| Plazo / Pase Colocador Bilateral | 0 |
| Opciones | 31,300,217 |
| Cauciones | 19,705,357,634 |
| Préstamos | 34,013,293 |
| Futuros | 2,449,492,895 |

* Volúmenes del día sujetos a correcciones y arreglos.

Caucción Bursátil en $\$$ (TNA)
30 días

| | |
|----------------------------|---------------|
| BRUTA (última tasa) | 41.50% |
| Neta Colocador (a) | 41.32% |
| Neta Tomador (a) | 41.69% |

(a) Incluye 0.045% de Derechos de Mercado

Tipos de Cambio - Dólar
Compra
Venta

| | | |
|-----------------------------|-----------|-----------|
| Bco. Nación | \$59.6150 | \$59.8150 |
| Bancos | \$59.9150 | \$59.9175 |
| Casas de Cambio - Minorista | \$59.5000 | \$63.5000 |
| Casas de Cambio - Mayorista | \$65.5000 | \$66.5000 |
| Referencia BCRA | \$59.8322 | |

Coefficiente CER

| | | | |
|----------|---------|----------|---------|
| 12/12/19 | 18.2396 | 13/12/19 | 18.2594 |
|----------|---------|----------|---------|

Mercados Internacionales
Índices Bursátiles (en U\$S)

| | | | |
|----------------|---------|-------------|---------|
| B. San Pablo | + 1.85% | NYSE | + 0.63% |
| B. Sant. Chile | + 1.00% | Tokyo S.E. | - 0.59% |
| B. Madrid | + 0.74% | London S.E. | + 0.62% |

Monedas

| | | |
|--------|---------|---------|
| €/U\$S | 0.899 | + 0.11% |
| £/U\$S | 0.759 | + 0.17% |
| ¥/U\$S | 109.370 | + 0.74% |

Commodities (en U\$S)

| | | |
|------|---------|---------|
| WTI | 59.23 | + 0.839 |
| Soja | 330.08 | + 0.489 |
| Oro | 1469.80 | - 0.359 |

Índice del Informe Diario

| | | | |
|---|-------------------|---|----------------|
| Acciones | <u>Pág. 2 y 3</u> | Análisis de Obligaciones Negociables | <u>Pág. 8</u> |
| ADRs | <u>Pág. 4</u> | Índice de Bonos IAMC y Curva de Rendimiento | <u>Pág. 9</u> |
| Análisis de Bonos Canje Deuda 2005 y 2010 | <u>Pág. 5</u> | Opciones | <u>Anexo A</u> |
| Análisis de Bonos Nacionales y Provinciales | <u>Pág. 6 y 7</u> | Posiciones Abiertas de Opciones | <u>Anexo B</u> |

Publicación disponible en <http://www.iamc.sba.com.ar> - @IAMC_Oficial

IMPORTANTE: Todas las herramientas provistas por el IAMC son desarrolladas exclusivamente para fines informativos, y bajo ninguna circunstancia la utilización de las mismas deben ser interpretadas como un asesoramiento comercial.

ANÁLISIS DE ACCIONES
Prioridad Precio - Tiempo

| Especie | Cotización (*) | Fecha última cotización | Volumen Efectivo | Var. | Var.dde | Var.dde | Var.dde | Mínimo -52 semanas- | Máximo | P/E (c) | COT/VL % (d) | Volatil. últimas 40 ruedas (e) | Betas c/S&P Merval/Gral. (f) | Capitaliz. Bursátil (g) (en Mill.) | Valor de Mercado (g) (en Mill.) |
|----------------------------|----------------|-------------------------|------------------|--------|---------------|---------------|---------------|---------------------|------------|---------|--------------|--------------------------------|------------------------------|------------------------------------|---------------------------------|
| | | | | Diaria | 29-Nov-19 (a) | 28-Dic-18 (a) | 12-Dic-18 (a) | | | | | | | | |
| Empresas Líderes | | | | | | | | | | | | | | | |
| ALUA | 32.000 | 12-Dic-19 | 11,894,901 | -0.31% | -9.09% | 95.64% | 92.85% | 12.764 | 39.000 | 44.97 | 320.64 | 74.89% | 0.47 | 89,600.00 | 89,600.00 |
| BBAR | 110.200 | 12-Dic-19 | 23,737,807 | 5.05% | 13.96% | -19.17% | -22.39% | 78.500 | 184.000 | 2.55 | 120.36 | 61.17% | 1.26 | 67,515.09 | 67,515.09 |
| BMA | 212.700 | 12-Dic-19 | 49,389,201 | 2.06% | 9.89% | 36.02% | 41.37% | 128.285 | 351.450 | 4.15 | 177.59 | 60.40% | 1.33 | 136,003.23 | 136,003.23 |
| BYMA | 280.000 | 12-Dic-19 | 7,770,906 | 4.09% | 10.02% | -24.75% | -21.62% | 185.500 | 385.445 | 46.98 | 158.77 | 63.94% | 0.96 | 21,350.00 | 21,350.00 |
| CEPU | 29.950 | 12-Dic-19 | 11,844,850 | 0.34% | 2.39% | -7.81% | -11.66% | 14.976 | 42.245 | 6.31 | 87.67 | 73.76% | 1.19 | 45,344.97 | 45,344.97 |
| COME | 1.800 | 12-Dic-19 | 1,281,242 | - | 4.05% | -5.28% | -9.61% | 1.080 | 2.145 | 2.93 | 30.24 | 47.82% | 0.62 | 4,584.82 | 4,584.82 |
| CRES | 39.500 | 12-Dic-19 | 3,935,104 | -3.42% | -6.51% | -9.62% | -10.81% | 29.688 | 51.102 | - | 121.53 | 60.29% | 0.63 | 19,814.89 | 19,814.89 |
| CVH | 247.250 | 12-Dic-19 | 1,724,274 | 0.71% | 4.77% | 3.69% | -5.59% | 128.000 | 297.000 | 3.29 | 43.17 | 60.10% | 0.83 | 32,856.80 | 44,663.88 |
| EDN | 18.700 | 12-Dic-19 | 3,510,015 | -2.09% | -4.83% | -63.30% | -63.08% | 14.550 | 58.000 | 1.16 | 31.10 | 63.64% | 1.19 | 16,950.71 | 16,950.71 |
| GGAL | 103.350 | 12-Dic-19 | 103,668,295 | 2.12% | 3.61% | 1.35% | -1.00% | 58.500 | 175.900 | 4.03 | 173.90 | 65.52% | 1.30 | 118,391.86 | 147,456.12 |
| HARG | 87.600 | 12-Dic-19 | 594,089 | -1.35% | -2.56% | 49.74% | 60.73% | 46.000 | 99.900 | 13.07 | 224.37 | 57.08% | 0.57 | 30,840.18 | 30,840.18 |
| PAMP | 41.750 | 12-Dic-19 | 79,988,157 | -0.95% | 1.21% | -10.70% | -18.06% | 29.150 | 64.500 | 1.68 | 73.63 | 62.93% | 1.22 | 86,952.33 | 79,319.58 |
| SUPV | 43.450 | 12-Dic-19 | 10,155,209 | 2.12% | 2.12% | -30.41% | -34.01% | 27.200 | 84.628 | 5.67 | 98.68 | 65.35% | 1.35 | 17,162.06 | 19,844.58 |
| TECO2 | 153.000 | 12-Dic-19 | 1,377,851 | -2.21% | -0.33% | 42.98% | 36.12% | 92.148 | 167.150 | 30.03 | 116.75 | 52.69% | 0.63 | 331,843.14 | 329,514.27 |
| TGNO4 | 33.800 | 12-Dic-19 | 7,133,605 | 2.89% | -5.98% | -31.87% | -31.51% | 22.322 | 76.671 | 2.66 | 38.04 | 63.94% | 0.82 | 14,850.84 | 14,850.84 |
| TGSU2 | 93.800 | 12-Dic-19 | 30,003,694 | 0.64% | 2.29% | -2.32% | -10.71% | 80.236 | 138.041 | 4.85 | 186.46 | 61.10% | 0.92 | 74,523.66 | 74,523.66 |
| TRAN | 21.400 | 12-Dic-19 | 12,029,212 | -3.17% | -7.16% | -43.49% | -39.64% | 14.850 | 51.191 | 2.65 | 67.49 | 60.31% | 1.16 | 4,662.85 | 9,516.02 |
| TXAR | 22.900 | 12-Dic-19 | 15,705,841 | 4.81% | -3.78% | 81.81% | 75.17% | 10.450 | 26.250 | 7.19 | 71.51 | 54.06% | 0.60 | 103,441.45 | 103,441.45 |
| VALO | 12.300 | 12-Dic-19 | 72,568,114 | 6.03% | 17.14% | 159.05% | 150.03% | 4.415 | 12.800 | 5.36 | 334.63 | 79.36% | 0.69 | 10,558.97 | 10,558.97 |
| YFPD | 767.950 | 12-Dic-19 | 103,462,704 | 2.31% | 6.40% | 54.10% | 44.15% | 456.514 | 813.500 | - | 57.73 | 45.92% | 0.60 | 302,044.56 | 302,044.56 |
| S&P Merval | 35,504.630 | - | - | 1.39% | 2.91% | 17.21% | 14.23% | 22,484.400 | 44,470.760 | 4.75 | 94.85 | 46.24% | - | 1,529,292.41 | 1,567,737.83 |
| S&P M.AR | 30,912.980 | - | - | 1.72% | 3.11% | 11.60% | 8.92% | 19,555.630 | 39,737.940 | 4.55 | 96.60 | 46.89% | - | 1,133,752.29 | 1,162,719.50 |
| S&P Í. Gral. | 1,534,845.930 | - | - | 1.43% | 3.20% | 17.36% | 13.43% | 971,926.310 | 1,912,998 | 5.41 | 94.32 | 43.35% | - | 2,088,510.43 | 1,882,710.61 |
| S&P/BYMA Energía | 1,338.990 | - | - | 2.04% | 5.54% | -2.17% | -2.17% | 898.500 | 1,456.200 | - | - | 44.34% | - | - | - |
| S&P/BYMA Bs Intermedios | 1,390.670 | - | - | 1.95% | -4.43% | 32.91% | 32.91% | 745.430 | 1,546.970 | - | - | 45.55% | - | - | - |
| S&P/BYMA Ind y Bs de Cap | 985.970 | - | - | 0.05% | 7.57% | 4.50% | 4.50% | 612.010 | 995.990 | - | - | 35.18% | - | - | - |
| S&P/BYMA Cons No Esenc. | 1,719.340 | - | - | 1.90% | 10.54% | 67.63% | 67.63% | 703.390 | 1,808.240 | - | - | 57.06% | - | - | - |
| S&P/BYMA Cons Masivo | 1,264.610 | - | - | -0.65% | 3.51% | -4.06% | -4.06% | 917.300 | 1,331.930 | - | - | 30.61% | - | - | - |
| S&P/BYMA S. Financieros | 928.640 | - | - | 2.71% | 6.94% | -30.59% | -30.59% | 567.690 | 1,481.290 | - | - | 56.99% | - | - | - |
| S&P/BYMA Telecomunic. | 1,287.860 | - | - | -1.55% | 0.83% | 7.83% | 7.83% | 794.700 | 1,364.510 | - | - | 44.71% | - | - | - |
| S&P/BYMA Serv Públicos | 747.840 | - | - | -0.58% | 0.69% | -28.82% | -28.82% | 505.170 | 1,138.020 | - | - | 56.81% | - | - | - |
| S&P/BYMA Bienes Raíces | 1,005.250 | - | - | -1.18% | 0.89% | -2.67% | -2.67% | 695.970 | 1,081.010 | - | - | 45.57% | - | - | - |
| S&P/BYMA Construcción | 1,116.880 | - | - | 0.43% | -0.74% | 23.02% | 23.02% | 878.120 | 1,168.890 | - | - | 43.24% | - | - | - |
| S&P/BYMA Energ. y S. Púb. | 1,137.270 | - | - | 1.00% | 3.60% | 7.40% | 7.40% | 1,002.830 | 1,268.920 | - | - | 47.47% | - | - | - |
| Futuros | | | | | | | | | | | | | | | |
| MVDIC19 | 36,214.000 | 12-Dic-19 | 66,626,125 | 1.73% | 1.46% | 16.44% | 16.44% | 31,000.000 | 37,917.000 | - | - | 62.56% | - | - | - |
| MVMAR20 | 40,198.000 | 12-Dic-19 | 43,845,000 | 1.66% | 1.66% | 1.66% | 1.66% | 38,770.000 | 39,500.000 | - | - | - | - | - | - |
| DODIC19 | 61.648 | 12-Dic-19 | 93,172,870 | -1.04% | -7.30% | 1.23% | 1.23% | 52.100 | 83.000 | - | - | 38.90% | - | - | - |
| DOENE20 | 64.696 | 12-Dic-19 | 57,254,400 | -1.96% | -9.59% | 14.00% | 14.00% | 56.500 | 84.170 | - | - | 45.90% | - | - | - |
| DOFEB20 | 66.995 | 12-Dic-19 | 42,474,500 | -2.17% | -10.07% | -8.24% | -8.24% | 65.750 | 75.950 | - | - | - | - | - | - |
| DOMAR20 | 69.242 | 12-Dic-19 | - | -2.18% | -2.18% | -2.18% | -2.18% | 70.900 | 70.900 | - | - | - | - | - | - |
| Empresas No Líderes | | | | | | | | | | | | | | | |
| AGRO | 8.300 | 12-Dic-19 | 229,569 | - | 1.22% | -7.78% | -17.72% | 5.100 | 13.200 | - | 150.60 | 42.21% | 0.66 | 830.00 | 830.00 |
| AUSO | 68.300 | 12-Dic-19 | 75,993 | 0.15% | 10.52% | -20.44% | -16.36% | 49.216 | 92.049 | - | 84.73 | 38.87% | 0.55 | 2,081.04 | 6,036.63 |
| BHIP | 9.350 | 12-Dic-19 | 287,563 | 2.75% | 3.31% | -19.27% | -22.25% | 6.510 | 19.000 | 6.37 | 123.99 | 30.69% | 0.48 | 14,025.00 | 14,025.00 |
| BMA.5 (2) | 170.000 | 9-Oct-19 | - | - | - | 88.89% | 88.89% | 170.000 | 340.000 | - | - | - | 0.30 | - | - |
| BOLT | 3.500 | 12-Dic-19 | 357,637 | 1.45% | 4.48% | 18.46% | 13.71% | 2.250 | 4.900 | 24.96 | 140.03 | 65.31% | 0.58 | 5,950.00 | 5,950.00 |
| BPAT | 37.600 | 12-Dic-19 | 301,471 | 3.01% | 5.47% | 23.13% | 15.52% | 27.720 | 53.000 | 1.86 | 102.88 | 40.72% | 0.67 | 27,039.86 | 27,039.86 |
| BRIO | 14.350 | 12-Dic-19 | 1,841,487 | 6.30% | 7.89% | -15.49% | -20.06% | 9.600 | 23.850 | 2.84 | 108.43 | 64.27% | 0.79 | 52,804.48 | 61,927.43 |
| BRIO6 (2) | 12.900 | 29-Nov-19 | - | - | - | -27.64% | -28.42% | 10.900 | 23.200 | - | - | - | 0.01 | - | - |
| CADO | 17.500 | 12-Dic-19 | 97,771 | 1.16% | 8.70% | 38.92% | 43.38% | 10.000 | 19.000 | 27.81 | 88.56 | 33.07% | 0.26 | 2,156.00 | 2,156.00 |
| CADO5 | 10.349 | 22-Mar-17 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CAPX | 61.100 | 12-Dic-19 | 231,265 | 0.16% | 1.83% | -1.29% | -11.45% | 42.000 | 72.500 | 4.28 | 71.32 | 58.15% | 0.79 | 10,985.92 | 10,985.92 |
| CARC | 1.280 | 12-Dic-19 | 184,746 | - | 15.32% | -11.47% | -16.83% | 0.970 | 1.866 | 4.78 | 207.54 | 59.29% | 0.40 | 1,397.28 | 1,397.28 |
| CECO2 | 12.500 | 12-Dic-19 | 1,005,104 | 0.40% | 1.63% | 101.37% | 99.91% | 4.558 | 14.300 | 1.46 | 104.20 | 66.06% | 0.81 | 8,774.85 | 8,774.85 |
| CELU | 21.300 | 12-Dic-19 | 733,062 | 1.91% | -7.19% | 17.03% | 18.99% | 15.500 | 31.500 | - | 60.98 | 54.63% | 0.19 | 2,149.98 | 2,150.75 |
| CGPA2 | 21.150 | 12-Dic-19 | 82,052 | 4.96% | 5.75% | -30.31% | -33.70% | 13.000 | 39.300 | 2.93 | 92.85 | 58.96% | 1.03 | 7,048.89 | 7,048.89 |
| COLO (1) | 12.550 | 15-Jul-19 | - | - | - | -15.77% | -15.77% | 10.000 | 14.000 | - | 71.60 | - | 0.04 | 223.35 | 223.35 |
| COMO | 30.000 | 24-Jul-08 | - | - | - | - | - | - | - | 0.41 | 25.21 | - | - | 8.10 | 8.10 |
| COUR (2) | 50.000 | 13-Mar-17 | - | - | - | - | - | - | - | - | 41.28 | - | - | 315.00 | 315.00 |
| CTIO | 69.000 | 12-Dic-19 | 2,354,886 | 6.48% | 13.11% | 90.33% | 89.82% | 33.531 | 69.000 | - | 106.14 | 44.80% | 0.54 | 28,283.56 | 28,283.56 |
| DGCU2 | 18.850 | 12-Dic-19 | 226,039 | -0.53% | -9.59% | -50.72% | -52.34% | 11.000 | 47.700 | 3.26 | 51.76 | 53.40% | 1.10 | 3,814.32 | 3,814.32 |
| DOME (2) | 3.090 | 12-Dic-19 | 32,215 | -2.52% | 34.35% | 25.66% | 25.66% | 1.550 | 3.190 | - | 136.94 | - | 0.01 | 309.00 | 309.00 |
| DYCA (2) | 59.000 | 12-Dic-19 | 19,652 | - | 3.33% | 55.26% | 57.33% | 29.000 | 60.000 | - | 208.96 | 58.91% | 0.24 | 1,770.00 | 1,770.00 |
| EDLH (2) | 25.000 | 30-Ago-19 | - | - | - | 33.13% | 33.13% | 18.778 | 25.800 | 5.81 | 70.46 | - | 0.03 | 1,866.10 | 1,866.10 |
| EMDE (2) | 17.000 | 7-Nov-19 | - | - | - | 41.67% | 36.55% | 12.000 | 17.500 | - | 152.60 | - | 0.01 | 1,036.59 | 1,036.59 |
| ESME (2) | 430.000 | 12-Dic-19 | 1,066,300 | 13.16% | 104.76% | 283.46% | 305.83% | 101.541 | 430.000 | 35.98 | 568.66 | - | 0.07 | 25,342.87 | 25,342.87 |
| FERR (2) | 5.850 | 12-Dic-19 | 169,186 | -0.85% | 10.38% | 74.63% | 76.74% | 2.600 | 6.080 | - | 100.81 | 66.73% | 0.30 | 3,123.90 | 3,12 |

ANÁLISIS DE ACCIONES
Prioridad Precio - Tiempo

| Especie | Cotización (*) | Fecha última cotización | Volumen Efectivo | Var. Diaria | Var.dde 29-Nov-19 (a) | Var.dde 28-Dic-18 (a) | Var.dde 12-Dic-18 (a) | Mínimo -52 semanas- (b) | Máximo | P/E (c) | COT/VL % (d) | Volatil. últimas 40 ruedas (e) | Betas c/S&P Merval/Gral. (f) | Capitaliz. Bursátil (f) (en Mill.) | 12-Dic-19 |
|------------------------------------|----------------|-------------------------------|---------------------|----------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|---------|------------|--------------------|---|---------------------------------------|--|---------------------------------------|
| | | | | | | | | | | | | | | | Valor de Mercado (g) (en Mill.) |
| Empresas No Líderes (Cont.) | | | | | | | | | | | | | | | |
| GBAN (2) | 29.000 | 12-Dic-19 | 118 | 5.07% | -1.69% | -24.68% | -30.95% | 25.000 | 42.000 | 2.35 | 68.88 | - | 0.16 | 4,625.92 | 9,440.66 |
| GCLA (2) | 30.200 | 12-Dic-19 | 163,291 | -2.89% | 0.83% | -38.99% | -43.81% | 21.000 | 54.000 | - | 32.55 | 56.93% | 0.44 | 2,372.19 | 3,224.64 |
| GRIM (2) | 31.750 | 12-Dic-19 | 11,799 | -2.31% | 27.00% | 71.16% | 70.70% | 14.500 | 33.700 | - | 134.74 | 70.68% | 0.38 | 1,406.76 | 1,406.76 |
| HAVA (2) | 111.000 | 12-Dic-19 | 85,620 | 3.26% | 11.00% | 123.44% | 143.76% | 45.077 | 111.000 | 39.20 | 402.01 | 56.17% | 0.64 | 1,422.10 | 5,214.35 |
| HULI (2) | 77.000 | 9-Mar-18 | - | - | - | - | - | - | - | - | 50.85 | - | - | 66.13 | 66.13 |
| INDU (1) | 22.750 | 22-Nov-19 | - | - | - | 39.57% | 42.19% | 9.000 | 26.500 | - | 175.54 | - | 0.36 | 9,424.94 | 9,424.94 |
| INTR (2) | 7.050 | 12-Dic-19 | 1,058 | -6.00% | -3.42% | 17.50% | 17.50% | 3.872 | 8.000 | 22.30 | 63.78 | 58.14% | 0.06 | 853.65 | 853.65 |
| INVJ | 9.500 | 12-Dic-19 | 22,678 | -1.04% | 2.15% | 9.20% | 6.74% | 7.000 | 11.100 | - | 64.32 | 40.29% | 0.36 | 5,354.60 | 5,816.19 |
| IRCP (2) | 251.000 | 12-Dic-19 | 115,696 | 8.66% | 2.45% | 35.27% | 40.39% | 141,977 | 253.000 | - | 69.86 | 54.38% | 0.27 | 31,629.53 | 31,629.53 |
| IRSA | 46.350 | 12-Dic-19 | 358,472 | 0.76% | 10.36% | -1.41% | -2.72% | 28.374 | 56.845 | - | 70.26 | 57.70% | 0.72 | 26,821.65 | 26,821.65 |
| LEDE | 14.800 | 12-Dic-19 | 47,858 | -0.67% | 8.03% | 21.31% | 19.35% | 9.200 | 15.550 | - | 132.54 | 49.66% | 0.35 | 6,507.77 | 6,507.77 |
| LOMA (i) | 97.900 | 12-Dic-19 | 7,719,019 | 0.88% | -1.06% | 21.61% | 22.84% | 55.000 | 116.750 | 16.72 | 248.45 | 48.01% | 1.19 | 58,350.99 | 58,350.99 |
| LONG | 5.950 | 12-Dic-19 | 186,510 | -0.83% | 12.48% | 171.69% | 140.89% | 2.000 | 6.110 | - | 158.10 | 69.77% | 0.30 | 914.17 | 914.17 |
| METR | 14.000 | 12-Dic-19 | 68,761 | - | - | -47.17% | -51.81% | 10.100 | 31.700 | 2.56 | 41.84 | 49.60% | 1.08 | 3,904.51 | 7,968.39 |
| MIRG | 576.500 | 12-Dic-19 | 9,869,988 | 2.04% | 10.55% | 67.10% | 72.79% | 222,664 | 610.000 | 10.81 | 166.73 | 60.30% | 0.75 | 10,377.00 | 10,377.00 |
| MOLA | 338.000 | 12-Dic-19 | 240,661 | -2.03% | 5.63% | 78.25% | 58.19% | 159,356 | 438.000 | 9.61 | 525.11 | 53.75% | 0.40 | 16,589.72 | 16,589.72 |
| MOLA5 | 219.500 | 24-Oct-19 | - | - | - | 14.62% | 14.62% | 183.181 | 300.000 | - | - | - | 0.02 | - | - |
| MOLI | 50.200 | 12-Dic-19 | 154,036 | 0.40% | 0.40% | 35.68% | 27.09% | 34,050 | 52.000 | - | 156.86 | 47.52% | 0.39 | 10,111.04 | 10,111.04 |
| MORI | 3.460 | 12-Dic-19 | 489,889 | 1.76% | 14.19% | 87.96% | 80.26% | 1.575 | 3.701 | 12.50 | 132.70 | 58.34% | 0.54 | 767.78 | 767.78 |
| MVIA (2) | 0.010 | 20-Jul-18 | - | - | - | - | - | - | - | 0.00 | 0.02 | - | - | 0.07 | 0.14 |
| OEST | 26.700 | 12-Dic-19 | 118,937 | 0.57% | 3.49% | 10.82% | 14.59% | 16.260 | 31.426 | - | 83.19 | 45.45% | 0.53 | 4,272.00 | 4,272.00 |
| PATA | 21.000 | 12-Dic-19 | 5,077 | 0.72% | 2.44% | -13.22% | -17.65% | 15.000 | 26.000 | - | 92.69 | 61.52% | 0.11 | 10,500.00 | 10,500.00 |
| PATY (2) | 6.150 | 12-Dic-19 | 1,845 | -0.81% | 2.50% | 38.51% | 25.77% | 2.800 | 6.500 | - | 108.66 | 50.03% | 0.26 | 3,560.87 | 3,560.87 |
| PGR | 16.650 | 12-Dic-19 | 804,391 | - | -3.20% | 50.68% | 85.00% | 8.000 | 21.500 | - | 361.60 | 78.11% | 0.34 | 46,397.63 | 46,397.63 |
| POLL (2) | 9.000 | 12-Dic-19 | 360 | - | 6.01% | -5.26% | 9.76% | 6.300 | 11.300 | 4.74 | - | 81.36% | 0.04 | 57.78 | 57.78 |
| PREN1 (2) | 1.288 | 18-Nov-09 | - | - | - | - | - | - | - | 10.65 | 24.37 | - | - | 327.53 | 327.53 |
| PSUR (1)(2) | 3.650 | 14-Mar-19 | - | - | - | 30.36% | 30.36% | 2.500 | 5.340 | - | 274.55 | - | 0.02 | 366.35 | 366.35 |
| REGE (2) | 0.010 | 3-Dic-15 | - | - | - | - | - | - | - | 0.00 | 0.02 | - | - | 0.02 | 0.02 |
| RICH | 100.750 | 12-Dic-19 | 100,849 | 0.75% | 0.75% | 177.55% | 176.03% | 33.500 | 108.000 | - | 585.34 | 52.42% | 0.27 | 1,427.34 | 8,135.71 |
| RIGO (2) | 44.900 | 12-Dic-19 | 19,924 | - | 12.67% | -1.37% | -1.32% | 22.900 | 47.500 | - | 355.83 | 37.07% | 0.07 | 6,513.39 | 6,513.62 |
| RIGOS | 0.092 | 18-Feb-09 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ROSE (2) | 5.000 | 12-Dic-19 | 5,000 | -16.25% | -15.97% | -20.63% | -21.88% | 4.300 | 6.400 | - | 197.73 | 72.75% | 0.01 | 212.95 | 212.95 |
| SAMI | 97.500 | 12-Dic-19 | 511,356 | -2.01% | -0.51% | 7.13% | 4.40% | 53.000 | 114.000 | 5.71 | 42.15 | 55.42% | 0.64 | 6,937.22 | 6,937.22 |
| SEMI | 2.750 | 12-Dic-19 | 105,986 | -1.43% | - | 5.92% | -0.15% | 2.130 | 3.400 | 13.25 | 67.87 | 44.36% | 0.46 | 526.35 | 526.35 |
| TGLT | 4.700 | 12-Dic-19 | 542,337 | 3.30% | 8.05% | -35.44% | -41.25% | 2.750 | 8.100 | - | - | 56.93% | 0.61 | 379.08 | 379.08 |
| URBA (2) | 13.653 | 21-Dic-09 | - | - | - | - | - | - | - | - | 74.77 | - | - | 2.59 | 2.59 |
| PYMES | | | | | | | | | | | | | | | |
| INAG (2) | 100.000 | 10-Dic-19 | - | - | -1.48% | 108.59% | 110.70% | 47.462 | 123.000 | 4.02 | 152.57 | - | -0.04 | 220.00 | 220.00 |
| MERA (2) | 48.000 | 25-Jul-19 | - | - | - | 4.35% | 4.35% | 45.000 | 50.000 | 8.45 | 88.46 | - | -0.01 | 905.28 | 905.28 |
| OVOP (1) | 8.750 | 28-Jul-17 | - | - | - | - | - | - | - | 7.46 | 168.87 | - | - | 116.50 | 116.50 |

Notas Aclaratorias:

(*) Para Acciones del Índice Merval y aquellas que tienen ADR el precio es el Promedio Ponderado por volumen de los últimos 10 minutos operados de la especie (VWAP)

(a) Las variaciones se calculan sobre precios ajustados por eventos corporativos.

(b) Los precios mínimos y máximos incluyen los valores alcanzados durante la rueda (intradía)

(c) Precio/Utilidad Neta por acción de los últimos 12 meses ("trailing").

(d) COT/VL considera nulos los valores menores a 0.

(e), (d) y (g) Para el cálculo de este indicador se considera el último dato sobre la composición del capital social informado por la empresa.

(f) El cálculo de volatilidades se realiza siempre que la especie cotice más del 75% de las últimas 40 ruedas.

(g) Para el cálculo de este indicador se considera la cantidad de acciones ordinarias autorizadas a cotizar en BYMA, las cuales pueden diferir respecto del número total de acciones que surge del último dato de capital social informado por la empresa. Las sociedades mencionadas a continuación poseen un monto autorizado a cotizar que difiere de su capital social:

AUSO, BRIO, EDN, GBAN, GCLA, GGAL, INVJ, LOMA, METR, MVIA, SUPV y TRAN.

(1) Negociación Suspendida

(2) Negociación por Subasta

(3) En Período de suscripción de acciones

(4) Negociación por Subasta y en período de suscripción de acciones

ACCIONES CON COTIZACIÓN EN MERCADOS DEL EXTERIOR
12-Dic-19
ADR, BDR y GDR

| Especie | Código BYMA | Código Divisa | Cotización ADR (a) | Volumen Nominal | Volumen Efectivo | Variación diaria | Var. dde. 29-Nov-19 | Var. dde. 31-Dic-18 | Mín. 52 semanas (b) | Max. 52 semanas (b) | Volatil. últ. 40r (c) | Ratio (d) |
|---|-------------|---------------|--------------------|-----------------|------------------|------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|-----------|
| ADR Irsa Prop. Comerciales (IRCP.O) | NASDAQ | USD | 14.9800 | 18,805 | 281,699 | 6.85% | 6.54% | -14.57% | 9.55 | 23.34 | 83.05% | 4.00 |
| ADR Banco BBVA Argentina (BFR.N) | NYSE | USD | 4.4700 | 206,341 | 922,344 | 7.97% | 14.32% | -59.24% | 3.04 | 13.77 | 75.65% | 3.00 |
| ADR Banco Macro (BMA.N) | NYSE | USD | 28.7900 | 130,337 | 3,752,402 | 6.12% | 11.37% | -31.70% | 21.41 | 77.28 | 59.11% | 10.00 |
| ADR BUNGE (BG.N) | NYSE | USD | 55.9300 | 97,628 | 5,460,334 | 1.18% | 4.78% | 4.66% | 47.29 | 60.61 | 25.31% | 1.00 |
| ADR Cresud (CRESY.O) | NASDAQ | USD | 5.2600 | 215,651 | 1,134,324 | -2.41% | -8.52% | -55.56% | 4.06 | 13.64 | 62.08% | 10.00 |
| ADR Edenor (EDN.N) | NYSE | USD | 5.0200 | 10,493 | 52,675 | 0.80% | -5.10% | -81.45% | 4.17 | 29.99 | 55.03% | 20.00 |
| ADR Grupo Financiero Galicia (GGAL.O) | NASDAQ | USD | 14.0800 | 1,218,210 | 17,152,397 | 6.67% | 5.39% | -48.27% | 9.53 | 39.22 | 62.19% | 10.00 |
| ADR IRSA (IRS.N) | NYSE | USD | 6.3700 | 6,015 | 38,316 | 5.99% | 14.36% | -50.15% | 4.65 | 15.11 | 67.08% | 10.00 |
| ADR Pampa Energía (PAM.N) | NYSE | USD | 14.0700 | 248,490 | 3,496,254 | 3.46% | 3.15% | -55.77% | 12.02 | 39.87 | 60.70% | 25.00 |
| ADR Transportadora de Gas del Sur (TGS.N) | NYSE | USD | 6.2700 | 104,356 | 654,312 | 4.15% | 3.98% | -51.85% | 5.54 | 15.83 | 62.86% | 5.00 |
| ADR Telecom Argentina (TEO.N) | NYSE | USD | 10.4300 | 7,893 | 82,324 | 0.97% | 0.48% | -24.69% | 8.10 | 16.64 | 44.24% | 5.00 |
| ADR Ternium (TX.N) | NYSE | USD | 21.6300 | 73,923 | 1,598,954 | 3.54% | 0.32% | -20.18% | 16.12 | 32.26 | 29.73% | 10.00 |
| ADR YPF (YPF.N) | NYSE | USD | 10.3400 | 301,318 | 3,115,628 | 5.83% | 7.60% | -22.18% | 8.04 | 18.60 | 41.48% | 1.00 |
| GDR GrupoClarín (GCSAQ.L) | London S.E. | USD | 1.8900 | - | - | - | - | -32.01% | 1.89 | 2.98 | - | 2.00 |
| ADR CENTRAL PUERTO | NYSE | USD | 4.1400 | 34,030 | 140,884 | 2.22% | 4.28% | -53.63% | 2.45 | 11.03 | 70.32% | 10.00 |
| ADR Grupo Supervielle(SUPV.N) | NYSE | USD | 2.9900 | 144,998 | 433,544 | 4.55% | 6.79% | -65.07% | 2.26 | 11.46 | 62.91% | 5.00 |
| ADR LOMA NEGRA (OTC)(LOMA.K) | NYSE | USD | 6.5700 | - | 474,195 | 4.29% | 0.15% | -40.97% | 4.15 | 13.44 | 41.81% | 5.00 |

(a) Los precios son los disponibles a la hora de cierre de BYMA

(b) Los mínimos y máximos incluye valores intradiarios.

(c) El cálculo de volatilidad se realiza siempre que la especie cotice más del 75% de las últimas 40 ruedas.

(d) Ratio = Cant. de Acciones - equivalentes a v/n \$1 - por cada ADR / BDR ó GDR.

Cuadro Comparativo de precios de Acciones y ADR / BDR / GDR

| Especie | Código BYMA | Cotización ADR / Ratio en moneda original | Cotización BYMA en \$ (2) | Cotización ADR / Ratio en \$ (3) | Diferencia en \$ (3)-(2) |
|-----------------------------------|-------------|---|---------------------------|----------------------------------|--------------------------|
| ADR Irsa Prop. Comerciales | IRCP | 3.7450 | 251.000 | 224.391 | - 26.61 |
| ADR Banco BBVA Argentina | BBAR | 1.4900 | 110.200 | 89.277 | - 20.92 |
| ADR Banco Macro | BMA | 2.8790 | 212.700 | 172.503 | - 40.20 |
| ADR BUNGE | - | 55.9300 | - | 3351.186 | - |
| ADR Cresud | CRES | 0.5260 | 39.500 | 31.517 | - 7.98 |
| ADR Edenor | EDN | 0.2510 | 18.700 | 15.039 | - 3.66 |
| ADR Grupo Financiero Galicia | GGAL | 1.4080 | 103.350 | 84.364 | - 18.99 |
| ADR IRSA | IRSA | 0.6370 | 46.350 | 38.167 | - 8.18 |
| ADR Pampa Energía | PAMP | 0.5628 | 41.750 | 33.722 | - 8.03 |
| ADR Transportadora de Gas del Sur | TGSU2 | 1.2540 | 93.800 | 75.136 | - 18.66 |
| ADR Telecom Argentina | TECO2 | 2.0860 | 153.000 | 124.988 | - 28.01 |
| ADR Ternium | - | 2.1630 | - | 129.602 | - |
| ADR YPF | YPFD | 10.3400 | 767.950 | 619.547 | - 148.40 |
| GDR GrupoClarín | GCLA | - | 30.200 | - | - |
| ADR CENTRAL PUERTO | CEPU | 0.4140 | 29.950 | 24.806 | - 5.14 |
| ADR Grupo Supervielle (SUPV.N) | SUPV | 0.5980 | 43.450 | 35.831 | - 7.62 |
| ADR LOMA NEGRA (OTC) | LOMA | 1.3140 | 97.900 | 78.732 | - 19.17 |

(3) Cotización convertida a \$ de acuerdo al valor del Dólar Mayorista Bancos informada por Reuters.

ANÁLISIS DE TÍTULOS PÚBLICOS REESTRUCTURACIÓN DE DEUDA (*)

12-Dic-19

| Bono | Código (S.I.B) | Vencimiento | Amortización | Cupón de Renta | Próximo Vencimiento | VR (en %) | Cotización c/100 v.n. en Pesos (a) | Fecha última cotización | Cupón Corriente | | | Valor Técnico c/100 v.n. | Paridad (en%) | Volatilidad 40r. (b) (en %) | TIR Anual | DM | PPV (en años) |
|------|----------------|-------------|--------------|----------------|---------------------|-----------|------------------------------------|-------------------------|--------------------|-------------------------------|--------------------|--------------------------|---------------|-----------------------------|-----------|----|---------------|
| | | | | | | | | | Renta Anual (en %) | Intereses Corridos c/100 v.n. | Yield Anual (en %) | | | | | | |

BONOS CANJE REESTRUCTURACIÓN DE DEUDA 2005 ()**

| I. Bonos PAR | | | | | | | | | | | | | | | | | | |
|------------------------|-------|-----------|------|------|-----------|---|--------|----------|-----------|-----------|------|------|----------|-------|-------|--------|------|-------|
| PAR Ley Arg. (CER) | PARP | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 398.000 | 11-Dic-19 | Fija=1.77 | 4.63 | 5.58 | 1,244.64 | 31.98 | 40.70 | 13.11% | 9.66 | 13.12 |
| PAR USD Ley Arg. - ARS | PARA | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 2725.000 | 12-Dic-19 | Fija=3.75 | 0.79 | 8.39 | 100.79 | 45.12 | 29.37 | 12.82% | 8.38 | 12.14 |
| PAR USD Ley Arg. - USD | PARAD | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 38.700 | 12-Dic-19 | Fija=3.75 | 0.79 | 9.89 | 100.79 | 38.40 | 27.79 | 14.94% | 7.80 | 12.14 |
| PAR USD Ley N.Y. - ARS | PARY | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 3186.000 | 12-Dic-19 | Fija=3.75 | 0.79 | 7.16 | 100.79 | 52.76 | 41.42 | 10.91% | 8.93 | 12.14 |
| PAR USD Ley N.Y. - USD | PARYD | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 44.900 | 12-Dic-19 | Fija=3.75 | 0.79 | 8.50 | 100.79 | 44.55 | 32.99 | 12.98% | 8.34 | 12.14 |

| II. Bonos Discount | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|-----------|------|------|-----------|---|--------|----------|-----------|-----------|-------|-------|----------|-------|-------|--------|------|------|
| DISC Ley Arg. (CER) | DICP | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 820.000 | 12-Dic-19 | Fija=5.83 | 42.33 | 11.81 | 1,617.06 | 50.71 | 43.32 | 19.28% | 4.91 | 7.78 |
| DISC USD Ley Arg. - ARS | DICA | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 4649.000 | 12-Dic-19 | Fija=8.28 | 5.35 | 16.07 | 145.56 | 53.31 | 36.70 | 21.62% | 4.29 | 7.42 |
| DISC USD Ley Arg. - USD | DICAD | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 65.700 | 12-Dic-19 | Fija=8.28 | 5.35 | 19.24 | 145.56 | 45.14 | 34.86 | 26.16% | 3.82 | 7.42 |
| DISC USD Ley N.Y. - ARS | DICY | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 6016.500 | 12-Dic-19 | Fija=8.28 | 5.35 | 12.21 | 145.56 | 68.99 | 43.24 | 15.58% | 5.00 | 7.42 |
| DISC USD Ley N.Y. - USD | DICYD | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 84.500 | 12-Dic-19 | Fija=8.28 | 5.35 | 14.67 | 145.56 | 58.05 | 38.00 | 19.50% | 4.52 | 7.42 |

| III. Bono CUASIPAR | | | | | | | | | | | | | | | | | | |
|---------------------------|------|-----------|------|------|-----------|---|--------|---------|-----------|-----------|-------|-------|----------|-------|---|--------|------|-------|
| CUASIPAR (CER) | CUAP | 31-Dic-45 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 545.000 | 12-Dic-19 | Fija=3.31 | 26.28 | 10.99 | 1,748.14 | 31.18 | - | 14.39% | 8.31 | 16.94 |

| III. Unidades Vinculadas al Producto (U.V.P.) | | | | | | | | | | | | | | | | | | |
|--|------|-----------|---|---|---|---|---|---------|-----------|---|---|---|---|---|--------|---|---|---|
| U.V.P. en USD Ley Arg. | TVPA | 15-Dic-35 | - | - | - | - | - | 73.000 | 12-Dic-19 | - | - | - | - | - | 40.01 | - | - | - |
| U.V.P. en ARS Ley Arg. | TVPP | 15-Dic-35 | - | - | - | - | - | 1.950 | 11-Dic-19 | - | - | - | - | - | 128.77 | - | - | - |
| U.V.P. en USD Ley N.Y. | TVPY | 15-Dic-35 | - | - | - | - | - | 165.000 | 10-Dic-19 | - | - | - | - | - | - | - | - | - |
| U.V.P. en EUR Ley Ing. | TVPE | 15-Dic-35 | - | - | - | - | - | 180.000 | 06-Dic-19 | - | - | - | - | - | - | - | - | - |

BONOS CANJE REESTRUCTURACIÓN DE DEUDA 2010 ()**

| I. Bonos Par | | | | | | | | | | | | | | | | | | |
|------------------------|-------|-----------|------|------|-----------|---|--------|----------|-----------|-----------|------|-------|----------|-------|---|--------|------|-------|
| PAR Ley Arg. (CER) | PAP0 | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 247.000 | 06-Dic-19 | Fija=1.77 | 4.63 | 9.06 | 1,244.64 | 19.85 | - | 18.87% | 8.13 | 13.12 |
| PAR USD Ley Arg. - ARS | PAA0 | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 2600.000 | 11-Dic-19 | Fija=3.75 | 0.79 | 8.80 | 100.79 | 43.05 | - | 13.42% | 8.22 | 12.31 |
| PAR USD Ley Arg. - USD | PAA0D | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 37.000 | 08-Nov-19 | Fija=3.75 | 0.79 | 10.36 | 100.79 | 36.71 | - | 15.56% | 7.63 | 12.14 |
| PAR USD Ley N.Y. - ARS | PAY0 | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 2940.500 | 12-Dic-19 | Fija=3.75 | 0.79 | 7.77 | 100.79 | 48.69 | - | 11.87% | 8.65 | 12.14 |
| PAR USD Ley N.Y. - USD | PAY0D | 31-Dic-38 | Sem. | Sem. | 31-Mar-20 | R | 100.00 | 42.000 | 12-Dic-19 | Fija=3.75 | 0.79 | 9.10 | 100.79 | 41.67 | - | 13.84% | 8.10 | 12.14 |

| II. Bonos Discount | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|-----------|------|------|-----------|---|--------|----------|-----------|-----------|-------|-------|----------|-------|-------|--------|------|------|
| DISC Ley Arg. (CER) | DIP0 | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 710.000 | 05-Dic-19 | Fija=5.83 | 42.33 | 13.75 | 1,617.06 | 43.91 | - | 22.62% | 4.53 | 7.78 |
| DISC USD Ley Arg. - ARS | DIA0 | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 4430.000 | 12-Dic-19 | Fija=8.28 | 5.35 | 16.93 | 145.56 | 50.79 | 39.47 | 22.88% | 4.15 | 7.42 |
| DISC USD Ley Arg. - USD | DIA0D | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 62.750 | 12-Dic-19 | Fija=8.28 | 5.35 | 20.23 | 145.56 | 43.11 | 47.19 | 27.53% | 3.70 | 7.42 |
| DISC USD Ley N.Y. - ARS | DIY0 | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 4120.000 | 02-Dic-19 | Fija=8.28 | 5.35 | 18.31 | 145.56 | 47.24 | - | 24.86% | 3.95 | 7.42 |
| DISC USD Ley N.Y. - USD | DIY0D | 31-Dic-33 | Sem. | Sem. | 31-Dic-19 | R | 100.00 | 114.700 | 14-Ago-19 | Fija=8.28 | 5.35 | 10.62 | 145.56 | 78.80 | - | 12.85% | 5.37 | 7.42 |

| IV. Unidades Vinculadas al Producto (U.V.P.) | | | | | | | | | | | | | | | | | | |
|---|------|-----------|---|---|---|---|---|---------|-----------|---|---|---|---|---|---|---|---|---|
| U.V.P. en USD Ley N.Y. | TVY0 | 15-Dic-35 | - | - | - | - | - | 175.000 | 06-Dic-19 | - | - | - | - | - | - | - | - | - |

BONOS CANCELACION DE DEUDA EN CESACION DE PAGOS - LEY 27249 (31/3/16)

| Emitados en dólares bajo ley NY (c) | | | | | | | | | | | | | | | | | | |
|--|-------|-----------|---------|------|-----------|---|--------|----------|-----------|------------|------|-------|--------|-------|---|--------|------|-------|
| Rep. Arg. 2021 - ARS | AA21 | 22-Abr-21 | Al Vto. | Sem. | 22-Abr-20 | R | 100.00 | 3695.000 | 06-Dic-19 | Fija=6.875 | 1.03 | 11.34 | 101.03 | 61.04 | - | 56.71% | 1.00 | 1.30 |
| Rep. Arg. 2021 - USD | AA21D | 22-Abr-21 | Al Vto. | Sem. | 22-Abr-20 | R | 100.00 | 52.000 | 10-Dic-19 | Fija=6.875 | 1.03 | 13.49 | 101.03 | 51.47 | - | 79.03% | 0.92 | 1.30 |
| Rep. Arg. 2026 - ARS | AA26 | 22-Abr-26 | Al Vto. | Sem. | 22-Abr-20 | R | 100.00 | 3490.000 | 12-Dic-19 | Fija=7.5 | 1.13 | 13.13 | 101.13 | 57.60 | - | 20.52% | 4.19 | 5.37 |
| Rep. Arg. 2026 - USD | AA26D | 22-Abr-26 | Al Vto. | Sem. | 22-Abr-20 | R | 100.00 | 45.000 | 02-Dic-19 | Fija=7.5 | 1.13 | 17.09 | 101.13 | 44.50 | - | 27.67% | 3.80 | 5.37 |
| Rep. Arg. 2046 - ARS | AA46 | 22-Abr-46 | Al Vto. | Sem. | 22-Abr-20 | R | 100.00 | 3265.000 | 12-Dic-19 | Fija=7.625 | 1.14 | 14.29 | 101.14 | 53.88 | - | 15.13% | 6.92 | 17.67 |
| Rep. Arg. 2046 - USD | AA46D | 22-Abr-46 | Al Vto. | Sem. | 22-Abr-20 | R | 100.00 | 45.250 | 12-Dic-19 | Fija=7.625 | 1.14 | 17.29 | 101.14 | 44.74 | - | 18.30% | 5.76 | 17.67 |

| Divisas | Dólar Bancos | |
|---------|--------------|-----------|
| | | \$59.9150 |

Notas Aclaratorias:

(*) Los indicadores de los títulos emitidos en dólares se calculan en esa misma divisa convirtiendo su cotización en \$ por el dólar bancos vendedor (Fuente: Thomson Reuters)

(**) En el caso de títulos ajustables por CER el cálculo de indicadores considera el coeficiente aplicable de acuerdo a las condiciones de emisión.

(a) Los precios corresponden al precio de cierre en PPT (Prioridad Precio-Tiempo) e incluyen los intereses corridos ('precio sucio') (b) El cálculo de volatilidad se realiza siempre que la especie cotice más de 75% de las últimas 40 ruedas de PPT.

(c) Bonos con denominación mínima de u\$s 150.000 y múltiplos enteros de u\$s 1.000.

ANÁLISIS DE TÍTULOS PÚBLICOS NACIONALES (*)

12-Dic-19

| bono | Código (S.I.B) | vencimiento | amortización | Cupón de Renta | Próximo Vencimiento | VR (en %) | Cotización c/100 v.n. en Pesos (a) | Fecha última cotización | cupón corriente | | | Valor Técnico c/100 v.n. | Paridad (en %) | Volatilidad 40 r. (b) (en %) | TIR Anual | dm | PPV (en años) | | |
|---|----------------|--------------------------------|--------------|----------------|-------------------------------|-----------|------------------------------------|-------------------------------|--------------------|-------------------------------|----------------------|--------------------------|----------------|------------------------------|-----------|--------------|---------------|-------|--|
| | | | | | | | | | Renta Anual (en %) | Intereses Corridos c/100 v.n. | Yield Anual (en %) | | | | | | | | |
| BONTE, BOGAR Y BONOS DE CONSOLIDACIÓN | | | | | | | | | | | | | | | | | | | |
| I. Títulos emitidos en Pesos a tasa fija | | | | | | | | | | | | | | | | | | | |
| BONTE Nov. - 2020 | TN20 | 21-Nov-20 | Al Vto. | Sem. | 21-May-20 | R | 100.00 | 91.000EX | 19-Nov-19 | Fija=26 | 1.81 | 29.15 | 101.81 | 89.39 | - | 44.89% | 0.71 | 0.88 | |
| BONTE Oct - 2021 | TO21 | 4-Oct-21 | Al Vto. | Sem. | 3-Abr-20 | R | 100.00 | 30.500 | 12-Dic-19 | Fija=18.2 | 3.69 | 67.89 | 103.69 | 29.41 | - | 177.08% | 0.69 | 1.60 | |
| BONTE Oct - 2023 | TO23 | 17-Oct-23 | Al Vto. | Sem. | 17-Abr-20 | R | 100.00 | 28.000 | 12-Dic-19 | Fija=16 | 2.62 | 63.05 | 102.62 | 27.28 | - | 97.09% | 1.32 | 3.16 | |
| BONTE Oct - 2026 | TO26 | 18-Oct-26 | Al Vto. | Sem. | 17-Abr-20 | R | 100.00 | 26.000 | 12-Dic-19 | Fija=15.5 | 2.54 | 66.07 | 102.54 | 25.36 | - | 81.00% | 1.44 | 5.15 | |
| II. Títulos emitidos en Pesos a Tasa Variable | | | | | | | | | | | | | | | | | | | |
| BONTE 2020 | TJ20 | 22-Jun-20 | Al Vto. | Trim. | 23-Dic-19 | R | 100.00 | 46.900 | 12-Dic-19 | Var.=70.615 | 16.25 | 230.40 | 116.25 | 40.34 | 36.91 | *** | 0.05 | - | |
| Bocon Cons. 8º - BADLAR | PR15 | 4-Oct-22 | 14 - Trim. | Trim. | 6-Ene-20 | A+R | 90.00 | 82.100 | 12-Dic-19 | Var.=59.93 | 18.37 | 148.51 | 176.30 | 46.57 | 33.64 | 372.61% | 0.24 | 1.28 | |
| III. Títulos en Pesos y ajustables por el CER (**) | | | | | | | | | | | | | | | | | | | |
| BONCER 2020 | TC20 | 28-Abr-20 | Al Vto. | Sem. | 28-Abr-20 | A+R | 100.00 | 106.000 | 12-Dic-19 | Fija=2.25 | 0.83 | 5.89 | 276.33 | 38.36 | 22.78 | *** | 0.04 | - | |
| BOGAR 2020 | NO20 | 4-Oct-20 | 156 Mens. | Mens. | 4-Ene-20 | A+R | 9.96 | 134.000 | 12-Dic-19 | Fija=2 | 0.12 | 2.75 | 184.27 | 72.72 | - | 150.83% | 0.34 | 0.43 | |
| BONCER 2021 | TC21 | 22-Jul-21 | Al Vto. | Sem. | 22-Ene-20 | R | 100.00 | 105.900 | 12-Dic-19 | Fija=2.5 | 2.93 | 7.12 | 296.16 | 35.76 | 29.54 | 106.94% | 0.99 | 1.56 | |
| BONCER 2023 | TC23 | 6-Mar-23 | Al Vto. | Sem. | 6-Mar-20 | R | 100.00 | 79.000 | 12-Dic-19 | Fija=4 | 2.30 | 10.78 | 208.92 | 37.81 | - | 47.72% | 2.28 | 3.04 | |
| Bocon Cons. 6º 2% | PR13 | 15-Mar-24 | 120 Mens. | Mens. | 15-Ene-20 | A+R | 42.73 | 278.000 | 12-Dic-19 | Fija=2 | 0.04 | 4.62 | 642.41 | 43.27 | 36.07 | 69.66% | 1.34 | 2.16 | |
| BONCER 2025 4% | TC25P | 27-Abr-25 | Al Vto. | Sem. | 27-Abr-20 | R | 100.00 | 98.000 | 31-Oct-19 | Fija=4 | 1.08 | 8.22 | 200.19 | 48.95 | - | 22.53% | 4.07 | 4.92 | |
| IV. Títulos en Pesos Cláusula Gatillo (***) | | | | | | | | | | | | | | | | | | | |
| BONAR 2020 Cláusula Gatillo | A2M2 | 6-Mar-20 | Al Vto. | Al Vto. | 6-Mar-20 | A+R | 100.00 | 82.000 | 12-Dic-19 | 4 | 4.78 | 11.77 | 232.09 | 35.33 | 36.57 | *** | 0.00 | - | |
| BONAR, BONAC Y BONAD | | | | | | | | | | | | | | | | | | | |
| I. Títulos emitidos en Dólares (Ley Argentina) | | | | | | | | | | | | | | | | | | | |
| BONAR 2020 - ARS | A020 | 8-Oct-20 | Al Vto. | Sem. | 8-Abr-20 | R | 100.00 | 2860.000 | 12-Dic-19 | Fija=8 | 1.51 | 17.31 | 101.51 | 47.02 | 35.03 | 181.23% | 0.41 | 0.80 | |
| BONAR 2020 - USD | A020D | 8-Oct-20 | Al Vto. | Sem. | 8-Abr-20 | R | 100.00 | 40.650 | 12-Dic-19 | Fija=8 | 1.51 | 20.44 | 101.51 | 40.04 | 38.10 | 245.37% | 0.35 | 0.80 | |
| BONAR 2024 - ARS | AY24 | 7-May-24 | 6 Anual | Sem. | 7-May-20 | A+R | 83.34 | 2368.000 | 12-Dic-19 | Fija=8.75 | 0.79 | 18.83 | 84.13 | 46.98 | 36.46 | 67.95% | 1.05 | 2.29 | |
| BONAR 2024 - USD | AY24D | 7-May-24 | 6 Anual | Sem. | 7-May-20 | A+R | 83.34 | 33.750 | 12-Dic-19 | Fija=8.75 | 0.79 | 22.12 | 84.13 | 40.12 | 45.23 | 89.04% | 0.87 | 2.29 | |
| BONAR 2025 - ARS | AA25 | 18-Abr-25 | 3 Anual | Sem. | 18-Abr-20 | R | 100.00 | 2680.000 | 12-Dic-19 | Fija=5.75 | 0.93 | 13.13 | 100.93 | 44.32 | 40.96 | 32.16% | 2.97 | 3.95 | |
| BONAR 2025 - USD | AA25D | 18-Abr-25 | 3 Anual | Sem. | 18-Abr-20 | R | 100.00 | 38.000 | 12-Dic-19 | Fija=5.75 | 0.93 | 15.51 | 100.93 | 37.65 | 36.31 | 38.66% | 2.80 | 3.95 | |
| BONAR 2037 - ARS | AA37 | 18-Abr-37 | 3 Anual | Sem. | 18-Abr-20 | R | 100.00 | 2747.000 | 12-Dic-19 | Fija=7.625 | 1.23 | 17.09 | 101.23 | 45.29 | 37.62 | 19.28% | 5.67 | 11.91 | |
| BONAR 2037 - USD | AA37D | 18-Abr-37 | 3 Anual | Sem. | 18-Abr-20 | R | 100.00 | 39.250 | 12-Dic-19 | Fija=7.625 | 1.23 | 20.05 | 101.23 | 38.77 | 36.00 | 22.48% | 4.97 | 11.91 | |
| II. Títulos emitidos en Dólares (Ley Extranjera) | | | | | | | | | | | | | | | | | | | |
| Rep. Arg. 2022 - ARS (d) | A2E2 | 26-Ene-22 | Al Vto. | Sem. | 27-Ene-20 | R | 100.00 | 3750.000 | 12-Dic-19 | Fija=5.625 | 2.19 | 9.31 | 102.19 | 61.25 | 47.33 | 35.80% | 1.63 | 1.99 | |
| Rep. Arg. 2022 - USD | A2E2D | 26-Ene-22 | Al Vto. | Sem. | 27-Ene-20 | R | 100.00 | 52.000 | 12-Dic-19 | Fija=5.625 | 2.19 | 11.29 | 102.19 | 50.89 | 40.30 | 49.61% | 1.52 | 1.99 | |
| Rep. Arg. 2023 - ARS (d) | A2E3 | 11-Ene-23 | Al Vto. | Sem. | 13-Ene-20 | R | 100.00 | 3200.000 | 25-Nov-19 | Fija=4.625 | 1.99 | 9.00 | 101.99 | 52.36 | - | 32.05% | 2.34 | 2.87 | |
| Rep. Arg. 2023 - USD | A2E3D | 11-Ene-23 | Al Vto. | Sem. | 13-Ene-20 | R | 100.00 | 45.500 | 25-Nov-19 | Fija=4.625 | 1.99 | 10.63 | 101.99 | 44.61 | - | 40.15% | 2.22 | 2.87 | |
| Rep. Arg. 2027 - ARS (d) | A2E7 | 26-Ene-27 | Al Vto. | Sem. | 27-Ene-20 | R | 100.00 | 3520.000 | 12-Dic-19 | Fija=6.875 | 2.67 | 12.62 | 102.67 | 57.22 | 41.72 | 18.89% | 4.53 | 5.93 | |
| Rep. Arg. 2027 - USD | A2E7D | 26-Ene-27 | Al Vto. | Sem. | 27-Ene-20 | R | 100.00 | 50.000 | 12-Dic-19 | Fija=6.875 | 2.67 | 14.53 | 102.67 | 48.70 | 48.97 | 22.91% | 4.24 | 5.93 | |
| Rep. Arg. 2028 - ARS (d) | A2E8 | 11-Ene-28 | Al Vto. | Sem. | 13-Ene-20 | R | 100.00 | 3325.000 | 11-Dic-19 | Fija=5.875 | 2.53 | 11.09 | 102.53 | 54.12 | - | 17.36% | 5.14 | 6.74 | |
| Rep. Arg. 2028 - USD | A2E8D | 11-Ene-28 | Al Vto. | Sem. | 13-Ene-20 | R | 100.00 | 46.000 | 11-Dic-19 | Fija=5.875 | 2.53 | 13.51 | 102.53 | 44.87 | - | 21.49% | 4.76 | 6.74 | |
| Rep. Arg. 2048 - ARS (d) | AE48 | 11-Ene-48 | Al Vto. | Sem. | 13-Ene-20 | R | 100.00 | 3507.000 | 22-Oct-19 | Fija=6.875 | 2.96 | 12.37 | 102.96 | 56.85 | - | 13.09% | 7.70 | 18.82 | |
| Rep. Arg. 2048 - USD | AE48D | 11-Ene-48 | Al Vto. | Sem. | 13-Ene-20 | R | 100.00 | 43.500 | 5-Dic-19 | Fija=6.875 | 2.96 | 16.96 | 102.96 | 42.25 | - | 17.92% | 5.63 | 18.82 | |
| Rep. Arg. 2117 - ARS | AC17 | 28-Jun-17 | Al Vto. | Sem. | 30-Dic-19 | R | 100.00 | 3340.000 | 12-Dic-19 | Fija=7.125 | 3.33 | 13.59 | 103.33 | 53.95 | 42.06 | 14.04% | 6.91 | 54.93 | |
| Rep. Arg. 2117 - USD | AC17D | 28-Jun-17 | Al Vto. | Sem. | 30-Dic-19 | R | 100.00 | 47.250 | 12-Dic-19 | Fija=7.125 | 3.33 | 16.22 | 103.33 | 45.73 | 39.79 | 16.86% | 5.72 | 54.93 | |
| III. Títulos en Moneda Dual | | | | | | | | | | | | | | | | | | | |
| Bono Dual 2020 - ARS | AF20 | 13-Feb-20 | Al Vto. | Al Vto. | 13-Feb-20 | A+R | 100.00 | 2608.000 | 12-Dic-19 | 4.5 | 383.67 | 39.83 | 6366.89 | 40.96 | 38.19 | *** | 0.00 | - | |
| Bono Dual 2020 - USD | AF20D | 13-Feb-20 | Al Vto. | Al Vto. | 13-Feb-20 | A+R | 100.00 | 37.000 | 12-Dic-19 | 4.5 | 6.41 | 14.71 | 106.41 | 34.77 | 49.14 | *** | 0.00 | - | |
| IV. Títulos emitidos en Pesos (c) | | | | | | | | | | | | | | | | | | | |
| BONAR 2020 - BADLAR+325 | AM20 | 1-Mar-20 | Al Vto. | Trim. | 2-Mar-20 | A+R | 100.00 | 54.000 | 12-Dic-19 | Var.=46.56 | 1.79 | 89.16 | 101.79 | 53.05 | 58.39 | *** | 0.02 | - | |
| BONAR 2022 - BADLAR+200 | AA22 | 3-Abr-22 | Al Vto. | Trim. | 3-Ene-20 | R | 100.00 | 43.500 | 11-Dic-19 | Var.=52.447 | 10.63 | 159.57 | 110.63 | 39.32 | 43.70 | 264.32% | 0.47 | 1.69 | |
| (l) Tasas de referencia (TNA %) | | Tasa LIBOR de 180 días 1.8882% | | | Tasa LIBOR de 90 días 1.8874% | | | Tasa LIBOR de 30 días 1.7405% | | | TASA BADLAR 42.8750% | | | Divisas | | Dólar Bancos | | | |
| | | | | | | | | | | | | \$59.9150 | | \$59.9175 | | | | | |

Notas Aclaratorias:

(*) Los indicadores de los títulos emitidos en dólares se calculan en esa misma divisa convirtiendo su cotización en \$ por el dólar bancos vendedor (Fuente: Thomson Reuters)

(**) En el caso de títulos ajustables por CER el cálculo de indicadores considera el coeficiente aplicable de acuerdo a las condiciones de emisión.

(***) Monto a pagar al vencimiento: Mayor entre el valor capitalizado a tasa fija mensual y capital ajustado por CER. Se considera el último conocido. El valor de los indicadores de cada día se determina en base a esta comparación.

(a) Los precios corresponden al precio de cierre en PPT (Prioridad Precio-Tiempo) e incluyen los intereses corridos ('precio sucio')

ANÁLISIS DE TÍTULOS PÚBLICOS PROVINCIALES Y OTROS TÍTULOS DE DEUDA (*)

12-Dic-19

| Bono | Código (S.I.B.) | Vencimiento | Amortización | Cupón de Renta | Próximo Vencimiento | VR (en %) | Cotización c/100 v.n. en Pesos | Fecha última cotización | Cupón Corriente | | | Valor Técnico c/ 100 v.n. | Paridad (en %) | Volatilidad 40 r. (b) (en %) | TIR Anual | DM | PPV (en años) | |
|---|-----------------|-------------|--------------|----------------|---------------------|-----------|--------------------------------|-------------------------|--------------------|-------------------------------|--------------------|---------------------------|----------------|------------------------------|-----------|---------|---------------|------|
| | | | | | | | | | Renta Anual (en %) | Intereses Corridos c/100 v.n. | Yield Anual (en %) | | | | | | | |
| BONOS DOMESTICOS (LEY ARGENTINA) | | | | | | | | | | | | | | | | | | |
| I. Títulos emitidos en pesos (c) | | | | | | | | | | | | | | | | | | |
| Mendoza Jun. 2021 | PMJ21 | 9-Jun-21 | Al Vto. | Trim. | 9-Mar-20 | R | 100.00 | 84.000 | 12-Dic-19 | Var.=47.456 | 0.91 | 57.11 | 100.91 | 83.24 | - | 84.03% | 0.91 | 1.22 |
| CABA 2022 - BADLAR+500 | BDC22 | 23-Ene-22 | Al Vto. | Trim. | 23-Ene-20 | R | 100.00 | 95.000 | 11-Dic-19 | Var.=51.503 | 7.62 | 58.94 | 107.62 | 88.27 | - | 72.92% | 1.08 | 1.58 |
| Bs. As. 2022 - BADLAR+383 (j) | PBY22 | 31-May-22 | Al Vto. | Trim. | 29-Feb-20 | R | 100.00 | 33.000 | 12-Dic-19 | Var.=47.143 | 2.07 | 152.40 | 102.07 | 32.33 | 34.59 | 291.34% | 0.53 | 1.85 |
| CABA Mar. 2024 | BDC24 | 29-Mar-24 | Al Vto. | Trim. | 30-Dic-19 | R | 100.00 | 88.500 | 12-Dic-19 | Var.=53.98 | 11.39 | 70.00 | 111.39 | 79.45 | - | 77.44% | 1.30 | 2.84 |
| Bs. As. 2025 - BADLAR+375 | PBA25 | 12-Abr-25 | Al vto. | Trim. | 12-Ene-20 | R | 100.00 | 37.500 | 12-Dic-19 | Var.=52.415 | 9.33 | 186.09 | 109.33 | 34.30 | 36.61 | 296.61% | 0.38 | 3.42 |
| CABA Feb. 2028 | BDC28 | 22-Feb-28 | Al Vto. | Trim. | 24-Feb-20 | R | 100.00 | 78.000 | 12-Dic-19 | Var.=47.244 | 3.11 | 63.08 | 103.11 | 75.65 | - | 78.29% | 1.50 | 5.01 |
| II. Títulos emitidos en dólares | | | | | | | | | | | | | | | | | | |
| Córdoba Oct. 2026 | CO26 | 27-Oct-26 | 32 - Trim. | Trim. | 27-Ene-20 | A+R | 87.50 | 3480.000 | 12-Dic-19 | Fija=7.125 | 0.83 | 10.89 | 88.33 | 65.75 | 38.54 | 25.44% | 2.26 | 3.26 |
| Córdoba Oct. 2026 - USD | CO26D | 27-Oct-26 | 32 - Trim. | Trim. | 27-Ene-20 | A+R | 87.50 | 49.500 | 12-Dic-19 | Fija=7.125 | 0.83 | 12.81 | 88.33 | 56.04 | 29.75 | 34.49% | 2.01 | 3.26 |
| III. Títulos denominados en dólares y pagaderos en pesos (Dollar-Linked) | | | | | | | | | | | | | | | | | | |
| Chubut Mar. 2021 (i) | PUM21 | 30-Mar-21 | Trim. | Trim. | 30-Dic-19 | A+R | 37.50 | 1910.000 | 12-Dic-19 | Fija=4.5 | 0.36 | 5.35 | 37.86 | 84.21 | 43.59 | 37.79% | 0.55 | 0.66 |
| CABA Dic. 2019 (i,j) | BD2C9 | 20-Dic-19 | 6 - Sem. | Sem. | 20-Dic-19 | A+R | 16.65 | 1027.000 | 12-Dic-19 | Fija=1.95 | 0.16 | 1.91 | 16.81 | 101.98 | - | - | - | 0.01 |
| CABA Ene. 2020 (i,j) | BDC20 | 28-Ene-20 | 6 - Sem. | Sem. | 28-Ene-20 | A+R | 16.65 | 1050.000 | 11-Dic-19 | Fija=1.95 | 0.12 | 1.87 | 16.77 | 104.47 | - | - | - | 0.12 |
| Formosa Feb. 2022 (i) | FORM3 | 27-Feb-22 | 40 - trim. | Trim. | 27-Feb-20 | A+R | 22.50 | 1250.000 | 22-Nov-19 | Fija=5 | 0.06 | 0.00 | 22.56 | 92.48 | - | 12.50% | 1.10 | 1.18 |
| BONOS EXTERNOS (LEY EXTRANJERA) | | | | | | | | | | | | | | | | | | |
| I. Dólares | | | | | | | | | | | | | | | | | | |
| Bs. As. Feb. 2023 | PBF23 | 15-Feb-23 | 3 Anual | Sem. | 15-Feb-20 | R | 100.00 | 2600.000 | 9-Dic-19 | Fija=6.5 | 2.18 | 15.77 | 102.18 | 42.47 | - | 70.74% | 1.21 | 2.05 |
| Bs. As. Feb. 2023 - USD | PF23D | 15-Feb-23 | 3 Anual | Sem. | 15-Feb-20 | R | 100.00 | 42.000 | 10-Dic-19 | Fija=6.5 | 2.18 | 16.33 | 102.18 | 41.10 | - | 74.19% | 1.19 | 2.05 |
| Bs. As. Mar. 2024 (f) | PBM24 | 16-Mar-24 | 3 - Anual | Sem. | 16-Mar-20 | R | 100.00 | 2750.000 | 24-Oct-19 | Fija=9.125 | 2.31 | 20.93 | 102.31 | 44.86 | - | 48.81% | 1.92 | 2.91 |
| Bs. As. Abr. 2028 (e,g) | BP28 | 18-Abr-28 | Anual | Sem. | 18-Abr-20 | R | 100.00 | 3100.000 | 11-Dic-19 | Fija=9.625 | 1.55 | 19.18 | 101.55 | 50.95 | - | 26.19% | 3.86 | 5.89 |
| Bs. As. PAR May. 2020 (g) | BPMD | 1-May-20 | 6 - Sem. | Sem. | 1-May-20 | A+R | 16.67 | 980.000 | 10-Dic-19 | Fija=4 | 0.08 | 4.10 | 16.75 | 97.63 | 33.19 | 10.90% | 0.36 | 0.38 |
| Bs. As. PAR May. 2035 (g) | BPLD | 15-May-35 | 30 - Sem. | Sem. | 15-May-20 | R | 100.00 | 2700.000 | 12-Dic-19 | Fija=4 | 0.34 | 8.95 | 100.34 | 44.91 | 32.36 | 20.07% | 4.14 | 7.50 |
| II. Euros | | | | | | | | | | | | | | | | | | |
| Bs. As. PAR May. 2035 (g) | BPLE | 15-May-35 | 30 - Sem. | Sem. | 15-May-20 | R | 100.00 | 2817.755EX | 30-Oct-19 | Fija=4 | 0.34 | 9.52 | 100.34 | 42.23 | - | 21.73% | 3.96 | 7.50 |

Notas Aclaratorias:

(*) Los indicadores de los títulos emitidos en dólares se calculan en esa misma divisa convirtiendo su cotización en \$ por el dólar bancos vendedor (Fuente: Thomson Reuters) (**) En el caso de ajustables por CER y por CVS, el cálculo de indicadores considera el coeficiente aplicable de acuerdo a las condiciones de emisión.

(a) Los precios corresponden al precio de cierre en PPT(Prioridad Precio-Tiempo) e incluyen los intereses corridos ('precio sucio') (b) El cálculo de volatilidades se realiza siempre que la especie cotice más de 75% de las últimas 40 ruedas en PPT.

(c) La tasa utilizada para estimar los flujos futuros surge del promedio de tasas correspondiente al período actual.(e) El título tiene una denominación mínima de u\$s100.000 y múltiplos enteros de u\$s1.000.

(f) El título tiene una denominación mínima de u\$s150.000 y múltiplos enteros de u\$s1.000. (g) Fecha de registro o 'record date': estarán legitimados para el cobro aquellos tenedores registrados con una antelación de 15 días corridos respecto a cada fecha de pago.

(h) El título tiene una denominación mínima de u\$s10.000 y múltiplos enteros de u\$s1.000.(i) Los servicios de renta y amortización se pagan en pesos al tipo de cambio de referencia del bono, según prospecto de emisión (j) El título tiene una denominación mínima de u\$s1.000 y múltiplos enteros de u\$s1.000.

ANÁLISIS DE OBLIGACIONES NEGOCIABLES (*)

12-Dic-19

| Emisor | Código (S.I.B.) | Vencimiento | Amortización | Cupón de Renta | Próximo Vencimiento. | VR (en %) | Cotización c/100 v.r. en Pesos (a) | Fecha última cotización | Cupón Corriente | | | Valor Técnico c/100 v.n. | Paridad (en %) | TIR anual | DM | PPV (en años) | |
|---|-----------------|-------------|--------------|----------------|----------------------|-----------|------------------------------------|-------------------------|--------------------|-------------------------------|--------------------|--------------------------|----------------|--------------|-----------|---------------|------|
| | | | | | | | | | Renta Anual (en %) | Intereses Corridos c/100 v.n. | Yield Anual (en %) | | | | | | |
| Obligaciones Negociables denominadas y pagaderas en dólares Ley Extranjera | | | | | | | | | | | | | | | | | |
| 1. Actividades Inmobiliarias | | | | | | | | | | | | | | | | | |
| IRSA Clase II 2020 (b,g) | OIRY7 | 20-Jul-20 | Al vto. | Sem. | 20-Ene-20 | R | 100.00 | 714.304EX | 18-Jul-19 | Fija=11.5 | 4.66 | 158.46 | 104.66 | 11.39 | *** | 0.01 | - |
| 3. Energía Eléctrica | | | | | | | | | | | | | | | | | |
| EDENOR Clase IX 2022 (b) | ODNY9 | 25-Oct-22 | Al vto. | Sem. | 25-Abr-20 | R | 100.00 | 3886.081EX | 23-Oct-19 | Fija=9.75 | 1.38 | 15.36 | 101.38 | 63.97 | 31.65% | 2.10 | 2.58 |
| 4. Petróleo y Gas | | | | | | | | | | | | | | | | | |
| PAE Clase I 2021 (b) | OPNY1 | 7-May-21 | 3 - Anual | Sem. | 7-May-20 | A+R | 66.67 | 5242.000 | 4-Dic-19 | Fija=7.875 | 0.57 | 6.04 | 67.24 | 130.12 | -19.39% | 1.04 | 0.88 |
| YPF Clase XXVIII 2024 | YPCUO | 4-Abr-24 | 3 Anual | Sem. | 4-Abr-20 | R | 100.00 | 7246.000 | 12-Dic-19 | Var.=8.75 | 1.75 | 7.34 | 101.75 | 118.85 | 2.80% | 3.02 | 3.05 |
| YPF Clase XXXIX 2025 | YCA6O | 28-Jul-25 | Al Vto. | Sem. | 28-Ene-20 | R | 100.00 | 6810.000 | 9-Dic-19 | Fija=8.5 | 3.23 | 7.70 | 103.23 | 110.10 | 6.37% | 4.37 | 4.62 |
| Obligaciones Negociables denominadas en dólares y pagaderas en pesos Ley Argentina | | | | | | | | | | | | | | | | | |
| 2. Petróleo y Gas | | | | | | | | | | | | | | | | | |
| YPF Clase XXII 2020 | YPCNO | 29-Jul-20 | 7 - Anual | Trim. | 29-Ene-20 | R | 14.29 | 563.393EX | 25-Oct-19 | Fija=3.5 | 0.07 | 5.36 | 14.35 | 65.52 | 106.71% | 0.48 | 0.61 |
| | | | | | | | | | | | | | Divasas | Dolar Bancos | | | |
| | | | | | | | | | | | | | | \$59.9150 | \$59.9175 | | |

Notas Aclaratorias:

(*) Los indicadores de los títulos emitidos en dólares se calculan en esa misma divisa convirtiendo su cotización en \$ por el dólar bancos vendedor (Fuente: Thomson Reuters)

(a) Los precios corresponden al precio de cierre en PPT(Prioridad Precio-Tiempo) e incluyen los intereses corridos (precio sucio)

(b) El título tiene una denominación mínima de u\$s 2.000 y múltiplos enteros de u\$s1.000

(c) El título tiene una denominación mínima de u\$s 150.000 y múltiplos enteros de u\$s1.000 - (d) El título tiene una denominación mínima de u\$s 35.000 y múltiplos enteros de u\$s 2.000

(f) El título tiene una denominación mínima de u\$s 500.000 y múltiplos enteros de u\$s 500.000.

(g) Fecha de registro o 'record date': estarán legitimados para el cobro aquellos tenedores registrados con una antelación de 15 días corridos respecto de cada fecha de pago. (h) Denominación mínima de u\$s 10.000 y múltiplos enteros de u\$s 1.000.

Indice de Bonos (Medido en Pesos)

12-Dic-19

Indice de Bonos IAMC (Base 1/1/95=100)

| | Valor al 12-Dic-19 | Variación Diaria al 11-Dic-19 | Variación Semanal al 06-Dic-19 | Variación Mensual al 29-Nov-19 | Variación anual al 28-Dic-18 | Ponderación* |
|---|-----------------------|-------------------------------------|--------------------------------------|--------------------------------------|------------------------------------|--------------|
| Subíndice de Bonos Cortos emitidos en pesos | 8,768.429 | 0.53% | 1.95% | 3.45% | -12.86% | 23.11% |
| Subíndice de Bonos Cortos emitidos en dólares | 6,909.117 | -0.21% | -0.55% | -2.36% | -2.85% | 41.38% |
| Subíndice de Bonos Largos emitidos en pesos | 17,800.321 | -0.61% | -0.61% | 10.81% | -2.11% | 3.30% |
| Subíndice de Bonos Largos emitidos en dólares | 20,876.220 | -1.06% | -1.00% | 2.57% | 34.17% | 32.21% |
| Indice de Bonos General | 16,878.064 | -0.33% | -0.11% | 1.02% | 8.95% | 100.00% |

(*)Composicion Índices: Subíndice de Bonos Cortos emitidos en pesos (TC21, TC20, TJ20, A2M2, S30S9, S31O9, S30A0, S31L0, S28F0, S11O9, S29Y0, S15N9), Subíndice de Bonos Cortos emitidos en dólares (AY24, AO20, AA25, AF20, U30G9, U13S9, U27S9, U11O9, U25O9, U15N9, U29N9), Subíndice de Bonos Largos emitidos en pesos (DICP), Subíndice de Bonos Largos emitidos en dólares (DICY, PARY, DICA, AA37, AC17).

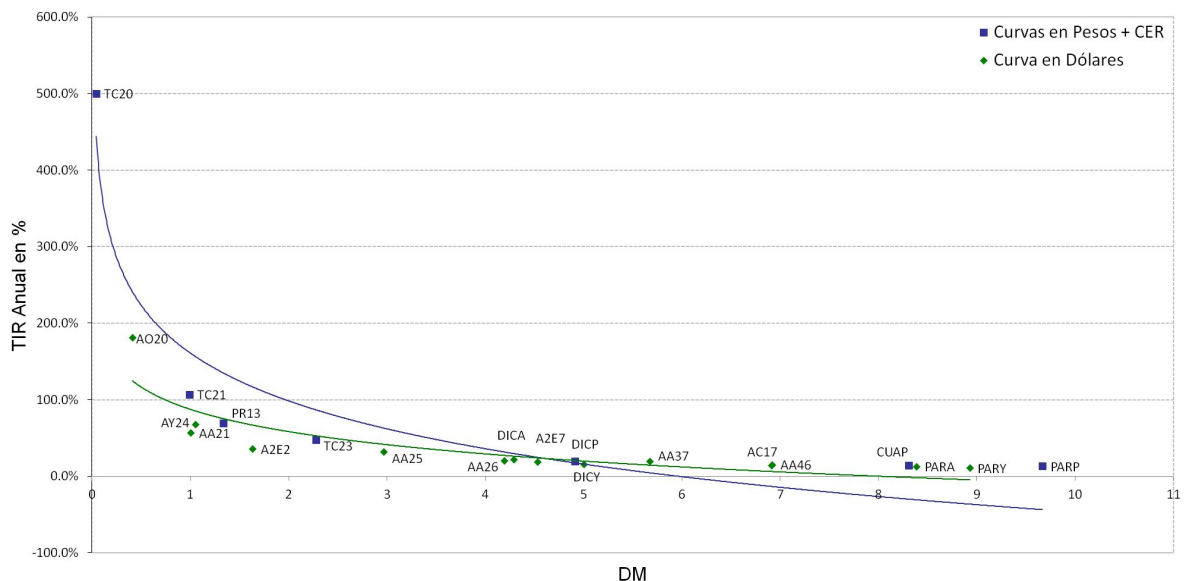
Indice de Bonos (Medido en Dólares)

12-Dic-19

Indice de Bonos IAMC (Base 1/1/95=100)

| | Valor al 12-Dic-19 | Variación Diaria al 11-Dic-19 | Variación Semanal al 06-Dic-19 | Variación Mensual al 29-Nov-19 | Variación Anual al 28-Dic-18 | Ponderación* |
|---|-----------------------|-------------------------------------|--------------------------------------|--------------------------------------|------------------------------------|--------------|
| Subíndice de Bonos Cortos emitidos en pesos | 438.128 | 0.53% | 2.18% | 3.66% | -45.03% | 23.11% |
| Subíndice de Bonos Cortos emitidos en dólares | 124.186 | -0.21% | -0.33% | -2.16% | -38.71% | 41.38% |
| Subíndice de Bonos Largos emitidos en pesos | 638.501 | -0.60% | -0.39% | 11.04% | -38.24% | 3.30% |
| Subíndice de Bonos Largos emitidos en dólares | 349.520 | -1.05% | -0.78% | 2.78% | -15.36% | 32.21% |
| Indice de Bonos General | 282.374 | -0.32% | 0.11% | 1.23% | -31.27% | 100.00% |

(*)Composicion Índices: Subíndice de Bonos Cortos emitidos en pesos (TC21, TC20, TJ20, A2M2, S30S9, S31O9, S30A0, S31L0, S28F0, S11O9, S29Y0, S15N9), Subíndice de Bonos Cortos emitidos en dólares (AY24, AO20, AA25, AF20, U30G9, U13S9, U27S9, U11O9, U25O9, U15N9, U29N9), Subíndice de Bonos Largos emitidos en pesos (DICP), Subíndice de Bonos Largos emitidos en dólares (DICY, PARY, DICA, AA37, AC17).

Curvas de Rendimientos
Curva en Pesos + CER y en Dólares


| Serie | Negociación | | | | | | | Teóricos(c/vol hist.) | | | Implícitos | |
|-------|---------------------------|-----------|--------|--------|-------|--------------|--------------------------------|-----------------------|-------|----------------|-----------------|-------|
| | Precio cierre de la prima | Variación | Mínimo | Máximo | Lotes | Volumen (\$) | Últ. precio prima/cot. subyac. | Prima teórica | Delta | Efecto Palanca | Volat. Implícit | Delta |

Opciones de Compra
Vencimiento Diciembre - 20/12/2019 - 8 días - Tasa Promedio de Caución a 30 días 43.47%

| ALUA Cotización Subyacente: 32.000 Volatilidad Histórica del subyacente 40 ruedas: 74.89% | | | | | | | | | | | | |
|---|--------|--------|--------|--------|---|-------|--------|--------|-------|--------|---------|-------|
| ALUC13.37D | 18.400 | -2.39% | 18.400 | 18.400 | 2 | 3,680 | 57.50% | 18.759 | 1.000 | 1.71% | 0.00% | 1.000 |
| ALUC24.37D | 7.500 | -3.85% | 7.500 | 7.500 | 4 | 3,000 | 23.44% | 7.870 | 0.995 | 4.05% | 0.00% | 1.000 |
| ALUC25.37D | 7.000 | 0.78% | 7.000 | 7.000 | 7 | 4,900 | 21.88% | 6.891 | 0.987 | 4.58% | 106.76% | 0.945 |
| ALUC32.47D | 0.900 | 0.00% | 0.900 | 0.900 | 1 | 90 | 2.81% | 1.351 | 0.505 | 11.96% | 51.22% | 0.490 |

| BBAR Cotización Subyacente: 110.200 Volatilidad Histórica del subyacente 40 ruedas: 61.17% | | | | | | | | | | | | |
|--|--------|---------|--------|--------|---|-------|--------|--------|-------|-------|-------|-------|
| BBAC92.ODI | 18.000 | 500.00% | 13.000 | 18.000 | 3 | 4,900 | 16.33% | 19.146 | 0.983 | 5.66% | 0.00% | 1.000 |

| BMA Cotización Subyacente: 212.700 Volatilidad Histórica del subyacente 40 ruedas: 60.40% | | | | | | | | | | | | |
|---|--------|---------|--------|--------|---|--------|--------|--------|-------|-------|--------|-------|
| BMAC190.DI | 25.800 | 330.00% | 25.800 | 25.800 | 4 | 10,320 | 12.13% | 25.246 | 0.920 | 7.75% | 70.66% | 0.888 |

| CEPU Cotización Subyacente: 29.950 Volatilidad Histórica del subyacente 40 ruedas: 73.76% | | | | | | | | | | | | |
|---|--------|--------|--------|--------|---|-------|--------|-------|-------|-------|--|-------|
| CEPC21.29D | 10.000 | -6.54% | 10.000 | 10.000 | 1 | 1,000 | 33.39% | 8.865 | 0.999 | 3.38% | | 0.854 |

| COME Cotización Subyacente: 1.800 Volatilidad Histórica del subyacente 40 ruedas: 47.82% | | | | | | | | | | | | |
|--|-------|---------|-------|-------|-------|--------|--------|-------|-------|--------|--------|-------|
| COMC1.25DI | 0.537 | -2.36% | 0.530 | 0.600 | 29 | 2,850 | 29.83% | 0.562 | 1.000 | 3.20% | 0.00% | 1.000 |
| COMC1.55DI | 0.210 | -40.00% | 0.210 | 0.210 | 8 | 286 | 11.67% | 0.265 | 0.988 | 6.70% | 0.00% | 1.000 |
| COMC1.65DI | 0.162 | 23.66% | 0.137 | 0.169 | 879 | 23,078 | 9.00% | 0.171 | 0.918 | 9.67% | 0.00% | 1.000 |
| COMC1.85DI | 0.036 | 0.00% | 0.030 | 0.040 | 5,751 | 32,694 | 2.00% | 0.037 | 0.416 | 20.16% | 46.76% | 0.413 |
| COMC1.95DI | 0.012 | 9.09% | 0.010 | 0.013 | 5,982 | 10,882 | 0.67% | 0.011 | 0.171 | 27.07% | 48.77% | 0.176 |
| COMC2.118D | 0.008 | 300.00% | 0.008 | 0.010 | 763 | 1,204 | 0.44% | 0.001 | 0.017 | 40.02% | 73.84% | 0.091 |

| GGAL Cotización Subyacente: 103.350 Volatilidad Histórica del subyacente 40 ruedas: 65.52% | | | | | | | | | | | | |
|--|--------|---------|--------|--------|--------|------------|--------|--------|-------|--------|---------|-------|
| GFGC54.ODI | 50.000 | 7.07% | 50.000 | 50.000 | 1 | 5,000 | 48.38% | 49.869 | 1.000 | 2.07% | | 0.989 |
| GFGC60.ODI | 43.000 | 2.63% | 40.000 | 43.000 | 32 | 134,725 | 41.61% | 43.927 | 1.000 | 2.35% | 0.00% | 1.000 |
| GFGC72.ODI | 31.400 | 10.18% | 30.100 | 31.500 | 732 | 2,255,280 | 30.38% | 32.042 | 1.000 | 3.23% | 0.00% | 1.000 |
| GFGC75.ODI | 28.980 | 11.46% | 26.890 | 28.980 | 14 | 39,104 | 28.04% | 29.072 | 1.000 | 3.55% | 0.00% | 1.000 |
| GFGC81.ODI | 22.872 | 8.91% | 20.500 | 22.890 | 52 | 111,522 | 22.13% | 23.142 | 0.996 | 4.45% | 0.00% | 1.000 |
| GFGC84.ODI | 19.500 | 21.88% | 19.500 | 19.500 | 2 | 3,900 | 18.87% | 20.199 | 0.988 | 5.06% | 0.00% | 1.000 |
| GFGC87.ODI | 15.500 | 4.73% | 14.800 | 15.900 | 62 | 93,960 | 15.00% | 17.298 | 0.972 | 5.81% | 0.00% | 1.000 |
| GFGC90.ODI | 13.964 | 6.45% | 11.500 | 14.000 | 232 | 297,610 | 13.51% | 14.480 | 0.941 | 6.72% | 0.00% | 1.000 |
| GFGC93.ODI | 11.815 | 12.52% | 9.770 | 12.000 | 306 | 327,673 | 11.43% | 11.802 | 0.890 | 7.80% | 65.99% | 0.889 |
| GFGC96.ODI | 8.527 | 5.93% | 7.000 | 8.600 | 604 | 468,560 | 8.25% | 9.329 | 0.817 | 9.05% | 41.62% | 0.916 |
| GFGC99.ODI | 6.581 | 5.80% | 5.300 | 7.000 | 1,294 | 761,358 | 6.37% | 7.129 | 0.722 | 10.46% | 54.61% | 0.754 |
| GFGC102.DI | 4.806 | 5.30% | 3.850 | 5.160 | 30,331 | 13,187,293 | 4.65% | 5.253 | 0.611 | 12.03% | 57.94% | 0.621 |
| GFGC105.DI | 3.451 | -0.35% | 2.650 | 3.800 | 12,360 | 3,798,567 | 3.34% | 3.726 | 0.494 | 13.71% | 61.04% | 0.491 |
| GFGC108.DI | 2.374 | -5.87% | 1.800 | 2.800 | 8,023 | 1,772,629 | 2.30% | 2.540 | 0.381 | 15.50% | 62.69% | 0.374 |
| GFGC111.DI | 1.583 | -7.21% | 1.210 | 2.000 | 8,583 | 1,267,345 | 1.53% | 1.665 | 0.280 | 17.37% | 63.93% | 0.274 |
| GFGC114.DI | 1.139 | -5.00% | 0.800 | 1.500 | 10,774 | 1,197,077 | 1.10% | 1.049 | 0.196 | 19.30% | 67.60% | 0.204 |
| GFGC117.DI | 0.791 | -16.12% | 0.510 | 0.950 | 1,630 | 119,913 | 0.77% | 0.636 | 0.131 | 21.27% | 70.06% | 0.148 |
| GFGC120.DI | 0.532 | -24.00% | 0.400 | 0.800 | 8,621 | 428,824 | 0.51% | 0.371 | 0.083 | 23.30% | 71.75% | 0.105 |
| GFGC126.DI | 0.250 | -37.50% | 0.199 | 0.255 | 2,071 | 48,038 | 0.24% | 0.113 | 0.030 | 27.45% | 75.64% | 0.053 |
| GFGC132.DI | 0.130 | -13.33% | 0.090 | 0.170 | 4,568 | 56,272 | 0.13% | 0.030 | 0.009 | 31.69% | 80.34% | 0.029 |
| GFGC135.DI | 0.100 | 11.11% | 0.100 | 0.100 | 5 | 50 | 0.10% | 0.015 | 0.005 | 33.83% | 83.19% | 0.022 |
| GFGC150.DI | 0.100 | 0.00% | 0.100 | 0.140 | 103 | 1,430 | 0.10% | 0.000 | 0.000 | - | 110.79% | 0.017 |
| GFGC165.DI | 0.050 | -28.57% | 0.050 | 0.080 | 651 | 4,158 | 0.05% | 0.000 | 0.000 | - | 123.77% | 0.008 |
| GFGC174.DI | 0.030 | -33.33% | 0.030 | 0.030 | 634 | 1,902 | 0.03% | 0.000 | 0.000 | - | 128.71% | 0.005 |
| GFGC220.DI | 0.024 | -20.00% | 0.019 | 0.024 | 33 | 78 | 0.02% | 0.000 | 0.000 | - | 175.05% | 0.003 |

| PAMP Cotización Subyacente: 41.750 Volatilidad Histórica del subyacente 40 ruedas: 62.93% | | | | | | | | | | | | |
|---|-------|---------|-------|-------|-----|--------|--------|-------|-------|--------|--------|-------|
| PAMC35.ODI | 7.143 | -4.76% | 7.000 | 7.500 | 49 | 35,000 | 17.11% | 7.118 | 0.979 | 5.74% | 69.46% | 0.968 |
| PAMC37.ODI | 4.900 | -48.42% | 4.900 | 4.900 | 7 | 3,430 | 11.74% | 5.243 | 0.925 | 7.36% | 0.00% | 1.000 |
| PAMC45.ODI | 1.100 | 4.76% | 0.650 | 1.200 | 337 | 29,045 | 2.63% | 0.582 | 0.258 | 18.52% | 87.04% | 0.330 |
| PAMC51.ODI | 0.150 | 0.00% | 0.150 | 0.150 | 29 | 435 | 0.36% | 0.034 | 0.024 | 29.47% | 82.79% | 0.069 |

| TGSU2 Cotización Subyacente: 93.800 Volatilidad Histórica del subyacente 40 ruedas: 61.10% | | | | | | | | | | | | |
|--|-------|---------|-------|-------|---|-----|-------|-------|-------|--------|--------|-------|
| TGSC95541D | 1.300 | -35.00% | 1.300 | 1.500 | 3 | 410 | 1.39% | 3.027 | 0.480 | 14.87% | 29.98% | 0.431 |
| TGSC11554D | 0.050 | -95.00% | 0.050 | 0.050 | 3 | 15 | 0.05% | 0.048 | 0.016 | 31.77% | 61.42% | 0.017 |

| TXAR Cotización Subyacente: 22.900 Volatilidad Histórica del subyacente 40 ruedas: 54.06% | | | | | | | | | | | | |
|---|--------|---------|--------|--------|-----|--------|--------|--------|-------|--------|--------|-------|
| TXAC11.8DI | 11.200 | 1.82% | 11.200 | 11.200 | 8 | 8,960 | 48.91% | 11.213 | 1.000 | 2.04% | 0.00% | 1.000 |
| TXAC15.0DI | 7.000 | -12.50% | 7.000 | 7.500 | 30 | 21,500 | 30.57% | 8.044 | 1.000 | 2.85% | 0.00% | 1.000 |
| TXAC16.0DI | 6.600 | 13.79% | 6.500 | 6.600 | 74 | 48,500 | 28.82% | 7.054 | 1.000 | 3.25% | 0.00% | 1.000 |
| TXAC17.0DI | 5.250 | 10.48% | 5.250 | 5.250 | 10 | 5,250 | 22.93% | 6.063 | 1.000 | 3.78% | 0.00% | 1.000 |
| TXAC20.0DI | 2.656 | 20.73% | 2.200 | 2.750 | 86 | 20,625 | 11.60% | 3.117 | 0.967 | 7.11% | 0.00% | 1.000 |
| TXAC23.0DI | 0.400 | 66.67% | 0.150 | 0.400 | 171 | 4,010 | 1.75% | 0.796 | 0.542 | 15.59% | 24.74% | 0.564 |

| VALO Cotización Subyacente: 12.300 Volatilidad Histórica del subyacente 40 ruedas: 79.36% | | | | | | | | | | | | |
|---|-------|--------|-------|-------|-----|---------|--------|-------|-------|-------|-------|-------|
| GVAC8.00DI | 4.200 | 23.53% | 3.600 | 4.200 | 210 | 81,353 | 34.15% | 4.377 | 1.000 | 2.81% | 0.00% | 1.000 |
| GVAC9.00DI | 3.000 | 9.09% | 2.850 | 3.000 | 584 | 171,565 | 24.39% | 3.388 | 0.997 | 3.62% | 0.00% | 1.000 |
| GVAC9.80DI | 2.550 | 45.71% | 2.000 | 2.550 | 165 | 37,290 | 20.73% | 2.605 | 0.980 | 4.63% | 0.00% | 1.000 |

| Serie | Negociación | | | | | | | Teóricos(c/vol hist.) | | | Implícitos | |
|---|---------------------------|-----------|--------|--------|-------|--------------|--------------------------------|-----------------------|--------|----------------|-----------------|--------|
| | Precio cierre de la prima | Variación | Mínimo | Máximo | Lotes | Volumen (\$) | Últ. precio prima/cot. subyac. | Prima teórica | Delta | Efecto Palanca | Volat. Implícit | Delta |
| GVAC10.6DI | 1.717 | 56.09% | 1.200 | 1.800 | 701 | 110,755 | 13.96% | 1.858 | 0.919 | 6.08% | 0.00% | 1.000 |
| GVAC11.4DI | 1.150 | 121.15% | 0.355 | 1.150 | 939 | 81,076 | 9.35% | 1.201 | 0.783 | 8.02% | 69.59% | 0.810 |
| GVAC12.2DI | 0.620 | 148.00% | 0.150 | 0.634 | 1,839 | 78,613 | 5.04% | 0.690 | 0.583 | 10.39% | 69.55% | 0.589 |
| GVAC13.0DI | 0.150 | 48.51% | 0.120 | 0.150 | 102 | 1,377 | 1.22% | 0.350 | 0.372 | 13.07% | 49.22% | 0.279 |
| YFPD Cotización Subyacente: 767.950 Volatilidad Histórica del subyacente 40 ruedas: 45.92% | | | | | | | | | | | | |
| YFPC700.DI | 61.100 | 7.19% | 51.000 | 61.100 | 8 | 44,620 | 7.96% | 76.160 | 0.937 | 9.45% | 0.00% | 1.000 |
| YFPC740.DI | 33.308 | 28.11% | 25.000 | 34.000 | 25 | 75,970 | 4.34% | 42.618 | 0.763 | 13.75% | 0.00% | 1.000 |
| YFPC760.DI | 21.722 | 20.68% | 16.000 | 23.000 | 50 | 95,950 | 2.83% | 29.269 | 0.628 | 16.49% | 28.00% | 0.692 |
| YFPC800.DI | 7.095 | 5.11% | 4.050 | 9.000 | 80 | 47,485 | 0.92% | 11.297 | 0.336 | 22.88% | 35.55% | 0.287 |
| Vencimiento Febrero - 21/02/2020 - 71 días - Tasa Promedio de Caucción a 30 días 43.47% | | | | | | | | | | | | |
| ALUA Cotización Subyacente: 32.000 Volatilidad Histórica del subyacente 40 ruedas: 74.89% | | | | | | | | | | | | |
| ALUC13.37F | 20.500 | 0.00% | 20.500 | 20.500 | 46 | 94,300 | 64.06% | 19.732 | 0.999 | 1.62% | 175.34% | 0.947 |
| ALUC21.9FE | 12.500 | 0.00% | 12.000 | 12.500 | 37 | 45,690 | 39.06% | 12.207 | 0.941 | 2.47% | 89.82% | 0.914 |
| ALUC33.0FE | 3.000 | - | 3.000 | 3.000 | 50 | 15,000 | 9.38% | 5.024 | 0.630 | 4.01% | 36.86% | 0.662 |
| CECO2 Cotización Subyacente: 12.500 Volatilidad Histórica del subyacente 40 ruedas: 66.06% | | | | | | | | | | | | |
| CECC13.0FE | 1.250 | 4.17% | 1.250 | 1.250 | 125 | 15,625 | 10.00% | 1.726 | 0.620 | 4.49% | 43.46% | 0.632 |
| COME Cotización Subyacente: 1.800 Volatilidad Histórica del subyacente 40 ruedas: 47.82% | | | | | | | | | | | | |
| COMC1.25FE | 0.650 | 5.69% | 0.650 | 0.650 | 36 | 2,340 | 36.11% | 0.655 | 0.987 | 2.71% | 0.00% | 1.000 |
| COMC1.85FE | 0.200 | - | 0.200 | 0.200 | 200 | 4,000 | 11.11% | 0.204 | 0.648 | 5.71% | 46.34% | 0.650 |
| COMC2.15FE | 0.060 | - | 0.050 | 0.061 | 1,074 | 6,389 | 3.13% | 0.088 | 0.372 | 7.65% | 38.52% | 0.326 |
| COMC2.35FE | 0.080 | 0.00% | 0.080 | 0.080 | 55 | 440 | 4.44% | 0.046 | 0.228 | 8.97% | 60.96% | 0.297 |
| GGAL Cotización Subyacente: 103.350 Volatilidad Histórica del subyacente 40 ruedas: 65.52% | | | | | | | | | | | | |
| GFGC80.0FE | 49.750 | -0.50% | 47.000 | 50.000 | 67 | 331,930 | 48.14% | 48.397 | 0.990 | 2.11% | 106.12% | 0.942 |
| GFGC99.0FE | 16.500 | - | 16.000 | 16.500 | 15 | 24,650 | 15.97% | 18.546 | 0.722 | 4.02% | 51.92% | 0.750 |
| GFGC102.FE | 14.422 | 1.21% | 13.250 | 15.000 | 566 | 796,951 | 13.95% | 16.902 | 0.686 | 4.20% | 50.04% | 0.711 |
| GFGC111.FE | 9.540 | 6.00% | 9.000 | 10.000 | 403 | 374,954 | 9.23% | 12.621 | 0.577 | 4.73% | 48.42% | 0.569 |
| GFGC114.FE | 7.900 | -1.25% | 7.500 | 8.000 | 436 | 327,950 | 7.64% | 11.400 | 0.541 | 4.91% | 46.36% | 0.517 |
| GFGC117.FE | 7.000 | -10.26% | 7.000 | 8.490 | 192 | 143,774 | 6.77% | 10.275 | 0.505 | 5.08% | 47.64% | 0.470 |
| GFGC120.FE | 5.609 | -6.11% | 5.500 | 6.250 | 360 | 212,943 | 5.43% | 9.242 | 0.471 | 5.26% | 45.47% | 0.415 |
| GFGC132.FE | 2.775 | -7.50% | 2.750 | 2.950 | 110 | 30,515 | 2.69% | 5.954 | 0.344 | 5.98% | 45.50% | 0.246 |
| GFGC180.FE | 0.749 | 10.15% | 0.749 | 0.750 | 14 | 1,049 | 0.72% | 0.851 | 0.071 | 8.65% | 63.84% | 0.065 |
| PAMP Cotización Subyacente: 41.750 Volatilidad Histórica del subyacente 40 ruedas: 62.93% | | | | | | | | | | | | |
| PAMC37.0FE | 9.000 | 50.00% | 9.000 | 9.000 | 50 | 45,000 | 21.56% | 9.189 | 0.810 | 3.68% | 59.10% | 0.821 |
| PAMC45.0FE | 2.900 | -9.38% | 2.510 | 3.200 | 283 | 77,285 | 6.95% | 4.843 | 0.571 | 4.92% | 36.33% | 0.559 |
| PAMC51.0FE | 1.850 | -11.82% | 1.500 | 2.000 | 135 | 24,905 | 4.43% | 2.794 | 0.394 | 5.88% | 49.42% | 0.340 |
| SUPV Cotización Subyacente: 43.450 Volatilidad Histórica del subyacente 40 ruedas: 65.35% | | | | | | | | | | | | |
| SUPC46.0FE | 3.600 | - | 3.600 | 3.600 | 8 | 2,880 | 8.29% | 5.581 | 0.596 | 4.64% | 38.86% | 0.600 |
| TXAR Cotización Subyacente: 22.900 Volatilidad Histórica del subyacente 40 ruedas: 54.06% | | | | | | | | | | | | |
| TXAC23.0FE | 2.652 | 8.24% | 2.500 | 2.700 | 241 | 62,070 | 11.58% | 3.116 | 0.677 | 4.97% | 41.14% | 0.704 |
| TXAC27.0FE | 1.500 | -6.25% | 1.500 | 1.600 | 33 | 5,030 | 6.55% | 1.458 | 0.417 | 6.55% | 55.11% | 0.421 |
| VALO Cotización Subyacente: 12.300 Volatilidad Histórica del subyacente 40 ruedas: 79.36% | | | | | | | | | | | | |
| GVAC9.00FE | 3.800 | 26.67% | 3.800 | 3.800 | 10 | 3,800 | 30.89% | 4.267 | 0.904 | 2.61% | 0.00% | 1.000 |
| GVAC10.6FE | 2.450 | - | 2.400 | 2.450 | 110 | 26,900 | 19.92% | 3.150 | 0.800 | 3.12% | 0.00% | 1.000 |
| GVAC12.2FE | 1.400 | - | 1.000 | 1.400 | 657 | 78,790 | 11.38% | 2.252 | 0.671 | 3.67% | 34.57% | 0.754 |
| GVAC13.0FE | 0.960 | - | 0.500 | 1.000 | 850 | 63,000 | 7.80% | 1.885 | 0.604 | 3.94% | 35.54% | 0.607 |
| YFPD Cotización Subyacente: 767.950 Volatilidad Histórica del subyacente 40 ruedas: 45.92% | | | | | | | | | | | | |
| YFPC800.FE | 56.500 | 6.60% | 50.000 | 56.500 | 35 | 192,909 | 7.36% | 79.294 | 0.626 | 6.06% | 28.04% | 0.664 |
| YFPC960.FE | 13.334 | -11.11% | 12.010 | 14.980 | 8 | 10,535 | 1.74% | 24.968 | 0.284 | 8.72% | 35.15% | 0.211 |
| Vencimiento Abril - 17/04/2020 - 127 días - Tasa Promedio de Caucción a 30 días 43.47% | | | | | | | | | | | | |
| PAMP Cotización Subyacente: 41.750 Volatilidad Histórica del subyacente 40 ruedas: 62.93% | | | | | | | | | | | | |
| PAMC57.0AB | 3.600 | -5.26% | 3.600 | 3.600 | 10 | 3,600 | 8.62% | 3.729 | 0.407 | 4.55% | 61.59% | 0.402 |
| TXAR Cotización Subyacente: 22.900 Volatilidad Histórica del subyacente 40 ruedas: 54.06% | | | | | | | | | | | | |
| TXAC25.0AB | 3.250 | -7.14% | 3.250 | 3.250 | 30 | 9,750 | 14.19% | 3.613 | 0.642 | 4.07% | 46.90% | 0.646 |
| Opciones de Venta | | | | | | | | | | | | |
| Vencimiento Diciembre - 20/12/2019 - 8 días - Tasa Promedio de Caucción a 30 días 43.47% | | | | | | | | | | | | |
| COME Cotización Subyacente: 1.800 Volatilidad Histórica del subyacente 40 ruedas: 47.82% | | | | | | | | | | | | |
| COMV1.55DI | 0.002 | 0.00% | 0.002 | 0.002 | 98 | 33 | 0.11% | 0.001 | -0.012 | 40.08% | 58.85% | -0.032 |
| COMV1.75DI | 0.036 | 12.50% | 0.036 | 0.036 | 2 | 12 | 2.00% | 0.024 | -0.286 | 21.67% | 60.89% | -0.322 |
| COMV1.85DI | 0.099 | -1.00% | 0.099 | 0.099 | 1 | 17 | 5.50% | 0.069 | -0.584 | 15.17% | 75.87% | -0.540 |
| GGAL Cotización Subyacente: 103.350 Volatilidad Histórica del subyacente 40 ruedas: 65.52% | | | | | | | | | | | | |
| GFGV54.0DI | 0.040 | 0.00% | 0.025 | 0.040 | 820 | 3,105 | 0.04% | 0.000 | 0.000 | - | 177.48% | -0.004 |
| GFGV60.0DI | 0.045 | -50.55% | 0.044 | 0.075 | 241 | 1,405 | 0.04% | 0.000 | 0.000 | - | 153.30% | -0.006 |
| GFGV72.0DI | 0.073 | -51.33% | 0.073 | 0.169 | 26 | 329 | 0.07% | 0.000 | 0.000 | - | 113.78% | -0.011 |

Anexo A

Análisis de opciones

12/12/2019

| Serie | Negociación | | | | | | | Teóricos(c/vol hist.) | | | Implícitos | |
|---|---------------------------|-----------|--------|--------|-------|--------------|--------------------------------|-----------------------|--------|----------------|-----------------|--------|
| | Precio cierre de la prima | Variación | Mínimo | Máximo | Lotes | Volumen (\$) | Últ. precio prima/cot. subyac. | Prima teórica | Delta | Efecto Palanca | Volat. Implícit | Delta |
| GFGV75.0DI | 0.100 | 170.27% | 0.045 | 0.100 | 5 | 28 | 0.10% | 0.001 | 0.000 | 40.10% | 107.45% | -0.016 |
| GFGV81.0DI | 0.131 | -38.50% | 0.100 | 0.210 | 88 | 1,505 | 0.13% | 0.013 | -0.004 | 32.43% | 89.16% | -0.024 |
| GFGV84.0DI | 0.199 | -50.25% | 0.150 | 0.250 | 452 | 10,132 | 0.19% | 0.041 | -0.012 | 29.01% | 84.30% | -0.037 |
| GFGV87.0DI | 0.340 | -15.00% | 0.150 | 0.350 | 129 | 3,666 | 0.33% | 0.112 | -0.028 | 25.87% | 81.63% | -0.060 |
| GFGV90.0DI | 0.321 | -54.14% | 0.321 | 0.600 | 984 | 41,692 | 0.31% | 0.265 | -0.059 | 22.98% | 68.47% | -0.067 |
| GFGV93.0DI | 0.462 | -48.67% | 0.450 | 1.000 | 499 | 30,905 | 0.45% | 0.557 | -0.110 | 20.34% | 62.10% | -0.098 |
| GFGV96.0DI | 0.700 | -52.15% | 0.700 | 1.498 | 809 | 95,956 | 0.68% | 1.056 | -0.183 | 17.93% | 56.28% | -0.150 |
| GFGV99.0DI | 1.404 | -50.49% | 1.300 | 2.850 | 766 | 161,458 | 1.36% | 1.827 | -0.278 | 15.74% | 57.16% | -0.254 |
| GFGV102.DI | 2.647 | -43.68% | 1.500 | 4.500 | 758 | 277,965 | 2.56% | 2.922 | -0.389 | 13.75% | 60.86% | -0.383 |
| GFGV105.DI | 4.700 | -18.97% | 4.200 | 6.500 | 86 | 44,680 | 4.55% | 4.367 | -0.506 | 11.97% | 70.94% | -0.502 |
| GFGV126.DI | 25.000 | -8.26% | 24.100 | 27.200 | 10 | 26,360 | 24.19% | 21.552 | -0.970 | 4.65% | 165.29% | -0.740 |
| PAMP Cotización Subyacente: 41.750 Volatilidad Histórica del subyacente 40 ruedas: 62.93% | | | | | | | | | | | | |
| PAMV45.0DI | 3.250 | 30.00% | 2.000 | 4.000 | 19 | 6,150 | 7.78% | 3.399 | -0.742 | 9.11% | 55.27% | -0.774 |
| YFPD Cotización Subyacente: 767.950 Volatilidad Histórica del subyacente 40 ruedas: 45.92% | | | | | | | | | | | | |
| YPFV520.DI | 0.450 | 0.00% | 0.450 | 0.450 | 6 | 270 | 0.06% | 0.000 | 0.000 | - | 118.49% | -0.009 |
| YPFV760.DI | 12.667 | -47.22% | 12.000 | 15.000 | 4 | 5,300 | 1.65% | 14.012 | -0.372 | 20.37% | 42.81% | -0.365 |
| Vencimiento Febrero - 21/02/2020 - 71 días - Tasa Promedio de Caución a 30 días 43.47% | | | | | | | | | | | | |
| CRES Cotización Subyacente: 39.500 Volatilidad Histórica del subyacente 40 ruedas: 60.29% | | | | | | | | | | | | |
| CREV45047F | 5.500 | -8.33% | 5.500 | 5.500 | 2 | 1,100 | 13.92% | 5.290 | -0.515 | 3.84% | 63.30% | -0.509 |
| GGAL Cotización Subyacente: 103.350 Volatilidad Histórica del subyacente 40 ruedas: 65.52% | | | | | | | | | | | | |
| GFGV75.0FE | 0.900 | 5.88% | 0.900 | 1.000 | 30 | 2,810 | 0.87% | 0.900 | -0.062 | 7.07% | 65.53% | -0.062 |
| GFGV84.0FE | 1.200 | -40.00% | 1.200 | 1.500 | 55 | 7,600 | 1.16% | 2.122 | -0.124 | 6.07% | 54.76% | -0.092 |
| GFGV90.0FE | 3.300 | -15.38% | 3.100 | 3.630 | 42 | 14,006 | 3.19% | 3.387 | -0.180 | 5.49% | 64.80% | -0.178 |
| GFGV99.0FE | 5.350 | -12.22% | 5.200 | 5.555 | 65 | 35,626 | 5.18% | 6.062 | -0.278 | 4.74% | 60.87% | -0.271 |
| PAMP Cotización Subyacente: 41.750 Volatilidad Histórica del subyacente 40 ruedas: 62.93% | | | | | | | | | | | | |
| PAMV37.0FE | 0.700 | 180.00% | 0.700 | 0.700 | 3 | 210 | 1.68% | 1.399 | -0.190 | 5.66% | 47.83% | -0.140 |
| PAMV41.0FE | 2.000 | -16.67% | 2.000 | 2.000 | 3 | 600 | 4.79% | 2.650 | -0.305 | 4.80% | 52.80% | -0.288 |
| YFPD Cotización Subyacente: 767.950 Volatilidad Histórica del subyacente 40 ruedas: 45.92% | | | | | | | | | | | | |
| YPFV700.FE | 8.508 | -10.44% | 8.500 | 8.550 | 7 | 5,960 | 1.11% | 15.025 | -0.164 | 8.40% | 37.54% | -0.124 |
| Vencimiento Abril - 17/04/2020 - 127 días - Tasa Promedio de Caución a 30 días 43.47% | | | | | | | | | | | | |
| BMA Cotización Subyacente: 212.700 Volatilidad Histórica del subyacente 40 ruedas: 60.40% | | | | | | | | | | | | |
| BMAV170.AB | 2.000 | -50.00% | 2.000 | 2.000 | 10 | 2,000 | 0.94% | 4.715 | -0.109 | 4.92% | 47.08% | -0.068 |

Notas:

- 1 - Variación con respecto al cierre anterior.
- 2 - Los indicadores se calculan utilizando el modelo de Black & Scholes.
- 3 - Delta=variación cierre de la prima / variación cotización del subyacente
- 4 - Efecto Palanca = variación porcentual cierre de la prima / variación porcentual cotización del subyacente = Delta x (cotización del subyacente / cierre de la prima)
- 5 - No se informan volatilidades implícitas >= 200% por considerarlas poco significativas para el análisis.

 El Glosario con la explicación detallada de cada uno de los indicadores está disponible en internet(<http://www.iamc.sba.com.ar/informes/glosarioOpciones.pdf>)

Anexo B
Posiciones Abiertas por Especie al 11/12/2019

| Especie | Serie | Posiciones (nominales) - Open Interest - | | | | | |
|---------------------------|-----------------------------|--|------------------|------------------|------------------|-------------------|---------------------------|
| | | cubiertas | opuestas | cruzadas | descubiertas | total | Variación c/ día anterior |
| Opciones de Compra | | | | | | | |
| AGRO | AGRC11.0DI | 10,000 | 0 | 0 | 0 | 10,000 | 0 |
| | Total Call Diciembre | 10,000 | 0 | 0 | 0 | 10,000 | 0 |
| ALUA | ALUC13.37D | 242,800 | 83,600 | 100 | 2,400 | 328,900 | 14,800 |
| | ALUC21.37D | 1,100 | 5,800 | 0 | 0 | 6,900 | 0 |
| | ALUC23.37D | 54,800 | 32,600 | 0 | 15,800 | 103,200 | 0 |
| | ALUC24.37D | 867,400 | 3,100 | 0 | 8,300 | 878,800 | -4,800 |
| | ALUC25.37D | 44,400 | 119,500 | 200 | 1,900 | 166,000 | -4,000 |
| | ALUC32.47D | 78,800 | 36,700 | 4,700 | 17,600 | 137,800 | 6,500 |
| | Total Call Diciembre | 1,289,300 | 281,300 | 5,000 | 46,000 | 1,621,600 | 12,500 |
| | ALUC13.37F | 1,384,300 | 266,500 | 9,717 | 177,583 | 1,838,100 | 16,000 |
| | ALUC21.9FE | 52,100 | 2,600 | 0 | 5,900 | 60,600 | 8,500 |
| | ALUC25.37F | 0 | 5,100 | 0 | 0 | 5,100 | 0 |
| | Total Call Febrero | 1,436,400 | 274,200 | 9,717 | 183,483 | 1,903,800 | 24,500 |
| BBAR | BBAC114.DI | 200 | 0 | 0 | 0 | 200 | 0 |
| | BBAC92.0DI | 800 | 0 | 0 | 100 | 900 | 0 |
| | Total Call Diciembre | 1,000 | 0 | 0 | 100 | 1,100 | 0 |
| BMA | BMAC170.DI | 200 | 0 | 0 | 1,200 | 1,400 | 0 |
| | BMAC190.DI | 0 | 0 | 0 | 100 | 100 | 0 |
| | BMAC200.DI | 2,200 | 300 | 0 | 18,100 | 20,600 | 0 |
| | BMAC220.DI | 3,000 | 0 | 0 | 3,000 | 6,000 | 0 |
| | BMAC240.DI | 0 | 0 | 14,099 | 901 | 15,000 | 0 |
| | Total Call Diciembre | 5,400 | 300 | 14,099 | 23,301 | 43,100 | 0 |
| BOLT | BOLC3.30DI | 124,900 | 0 | 0 | 1,200 | 126,100 | 0 |
| | BOLC3.50DI | 304,000 | 200 | 0 | 9,100 | 313,300 | 0 |
| | BOLC3.90DI | 161,300 | 15,800 | 0 | 0 | 177,100 | 0 |
| | Total Call Diciembre | 590,200 | 16,000 | 0 | 10,300 | 616,500 | 0 |
| BYMA | BYMC240.DI | 0 | 0 | 0 | 34,700 | 34,700 | 0 |
| | Total Call Diciembre | 0 | 0 | 0 | 34,700 | 34,700 | 0 |
| CARC | CARC1.35DI | 330,000 | 0 | 0 | 0 | 330,000 | 0 |
| | Total Call Diciembre | 330,000 | 0 | 0 | 0 | 330,000 | 0 |
| CECO2 | CECC10.0DI | 0 | 0 | 0 | 2,500 | 2,500 | 0 |
| | Total Call Diciembre | 0 | 0 | 0 | 2,500 | 2,500 | 0 |
| | CECC13.0FE | 43,500 | 0 | 5,000 | 6,500 | 55,000 | 8,000 |
| | Total Call Febrero | 43,500 | 0 | 5,000 | 6,500 | 55,000 | 8,000 |
| CEPU | CEPC21.29D | 46,600 | 0 | 19,000 | 38,900 | 104,500 | -3,100 |
| | CEPC25.29D | 12,000 | 0 | 0 | 3,000 | 15,000 | 0 |
| | CEPC43.29D | 2,700 | 0 | 0 | 0 | 2,700 | 0 |
| | Total Call Diciembre | 61,300 | 0 | 19,000 | 41,900 | 122,200 | -3,100 |
| | CEPC26.0FE | 800 | 0 | 0 | 0 | 800 | 0 |
| | Total Call Febrero | 800 | 0 | 0 | 0 | 800 | 0 |
| COME | COMC1.25DI | 2,205,920 | 180,370 | 1,783,792 | 447,798 | 4,617,880 | 7,820 |
| | COMC1.35DI | 2,331,890 | 511,360 | 362,950 | 320,450 | 3,526,650 | 0 |
| | COMC1.45DI | 772,650 | 230,832 | 603,978 | 375,930 | 1,983,390 | 0 |
| | COMC1.55DI | 151,130 | 74,800 | 1,700 | 5,610 | 233,240 | 0 |
| | COMC1.65DI | 4,074,900 | 4,080 | 1,412,530 | 683,400 | 6,174,910 | 49,130 |
| | COMC1.75DI | 1,852,490 | 2,210 | 851,360 | 133,110 | 2,839,170 | 365,330 |
| | COMC1.85DI | 10,062,130 | 434,429 | 1,514,070 | 2,122,661 | 14,133,290 | 9,010 |
| | COMC1.95DI | 6,080,560 | 1,612,328 | 319,042 | 366,520 | 8,378,450 | -70,550 |
| | COMC2.05DI | 5,318,450 | 956,690 | 379,950 | 917,220 | 7,572,310 | 0 |
| | COMC2.118D | 6,335,050 | 1,458,336 | 382,521 | 1,872,623 | 10,048,530 | 0 |
| | COMC2.35DI | 1,624,690 | 2,783,980 | 85,223 | 1,103,867 | 5,597,760 | -979,030 |
| | Total Call Diciembre | 40,809,860 | 8,249,415 | 7,697,116 | 8,349,189 | 65,105,580 | -618,290 |
| | COMC1.25FE | 61,500 | 0 | 38,100 | 107,800 | 207,400 | 24,100 |
| | COMC2.35FE | 665,900 | 118,000 | 0 | 13,500 | 797,400 | 50,200 |
| | Total Call Febrero | 727,400 | 118,000 | 38,100 | 121,300 | 1,004,800 | 74,300 |
| CRES | CREC37047D | 3,300 | 0 | 0 | 300 | 3,600 | 0 |
| | CREC45047D | 2,400 | 0 | 0 | 0 | 2,400 | 0 |
| | CREC49047D | 10,000 | 0 | 0 | 0 | 10,000 | 0 |
| | Total Call Diciembre | 15,700 | 0 | 0 | 300 | 16,000 | 0 |
| | CREC45047F | 1,400 | 1,100 | 0 | 0 | 2,500 | 0 |
| | CREC48.0FE | 100 | 0 | 0 | 600 | 700 | 0 |
| | CREC49047F | 4,900 | 2,500 | 0 | 500 | 7,900 | 0 |
| | Total Call Febrero | 6,400 | 3,600 | 0 | 1,100 | 11,100 | 0 |
| EDN | EDNC16.0DI | 0 | 0 | 0 | 600 | 600 | 0 |
| | EDNC22.0DI | 19,100 | 500 | 0 | 2,200 | 21,800 | 0 |
| | EDNC23.0DI | 100 | 0 | 0 | 0 | 100 | 0 |
| | Total Call Diciembre | 19,200 | 500 | 0 | 2,800 | 22,500 | 0 |
| | EDNC22.0FE | 1,800 | 0 | 0 | 1,700 | 3,500 | 0 |
| | Total Call Febrero | 1,800 | 0 | 0 | 1,700 | 3,500 | 0 |
| GGAL | GFGC102.DI | 1,411,300 | 5,216,100 | 3,667 | 583,433 | 7,214,500 | 417,000 |
| | GFGC105.DI | 157,000 | 1,245,900 | 7,446 | 7,446 | 2,135,000 | 509,900 |
| | GFGC108.DI | 610,800 | 1,108,070 | 15,190 | 331,340 | 2,065,400 | -293,900 |

Anexo B
Posiciones Abiertas por Especie al 11/12/2019

| Especie | Serie | Posiciones (nominales) - Open Interest - | | | | | |
|---------|-----------------------------|--|-------------------|----------------|-------------------|-------------------|---------------------------|
| | | cubiertas | opuestas | cruzadas | descubiertas | total | Variación c/ día anterior |
| | GFGC111.DI | 570,400 | 948,775 | 4,766 | 690,059 | 2,214,000 | 281,300 |
| | GFGC114.DI | 308,900 | 1,509,271 | 51,492 | 644,637 | 2,514,300 | 135,400 |
| | GFGC117.DI | 46,500 | 719,100 | 10,509 | 489,991 | 1,266,100 | 112,200 |
| | GFGC120.DI | 810,500 | 2,257,604 | 14,200 | 1,672,096 | 4,754,400 | -29,700 |
| | GFGC126.DI | 87,500 | 719,700 | 0 | 939,200 | 1,746,400 | 17,200 |
| | GFGC132.DI | 499,600 | 875,700 | 62,885 | 1,320,615 | 2,758,800 | -97,900 |
| | GFGC135.DI | 150,800 | 590,285 | 1,015 | 510,600 | 1,252,700 | -12,800 |
| | GFGC150.DI | 178,900 | 589,500 | 0 | 1,652,400 | 2,420,800 | 28,500 |
| | GFGC165.DI | 69,800 | 110,300 | 3,395 | 3,361,605 | 3,545,100 | -13,500 |
| | GFGC171.DI | 0 | 338,600 | 1,000 | 469,400 | 809,000 | 0 |
| | GFGC174.DI | 266,000 | 2,741,887 | 6,113 | 1,830,500 | 4,844,500 | 0 |
| | GFGC180.DI | 60,100 | 759,400 | 0 | 467,100 | 1,286,600 | -3,300 |
| | GFGC190.DI | 100 | 0 | 0 | 0 | 100 | 0 |
| | GFGC200.DI | 118,000 | 502,411 | 2,889 | 371,900 | 995,200 | 5,000 |
| | GFGC220.DI | 59,200 | 1,186,625 | 600 | 2,400,975 | 3,647,400 | 36,000 |
| | GFGC54.0DI | 300 | 13,900 | 0 | 0 | 14,200 | 0 |
| | GFGC60.0DI | 830,600 | 674,825 | 14,116 | 49,759 | 1,569,300 | 1,000 |
| | GFGC63.0DI | 0 | 100 | 0 | 0 | 100 | 0 |
| | GFGC69.0DI | 100 | 0 | 0 | 0 | 100 | 0 |
| | GFGC72.0DI | 41,100 | 238,000 | 4,900 | 154,400 | 438,400 | 0 |
| | GFGC75.0DI | 100 | 9,400 | 0 | 1,200 | 10,700 | 2,500 |
| | GFGC81.0DI | 61,300 | 243,951 | 8,349 | 176,600 | 490,200 | -500 |
| | GFGC84.0DI | 23,900 | 30,000 | 500 | 17,000 | 71,400 | -100 |
| | GFGC87.0DI | 103,300 | 208,775 | 14,333 | 90,092 | 416,500 | -400 |
| | GFGC90.0DI | 339,300 | 363,200 | 5,516 | 64,084 | 772,100 | 12,100 |
| | GFGC93.0DI | 304,000 | 815,500 | 17,887 | 189,113 | 1,326,500 | -17,400 |
| | GFGC96.0DI | 180,100 | 1,220,100 | 17,862 | 248,038 | 1,666,100 | 9,500 |
| | GFGC99.0DI | 444,000 | 819,354 | 2,718 | 415,928 | 1,682,000 | 43,900 |
| | Total Call Diciembre | 7,733,500 | 26,056,333 | 271,348 | 19,866,719 | 53,927,900 | 1,142,000 |
| | GFGC102.FE | 65,500 | 84,753 | 13,747 | 33,900 | 197,900 | 4,600 |
| | GFGC111.FE | 21,200 | 75,800 | 11,333 | 34,967 | 143,300 | 11,800 |
| | GFGC114.FE | 598,000 | 7,300 | 18,545 | 12,855 | 636,700 | 6,300 |
| | GFGC117.FE | 0 | 17,200 | 0 | 2,500 | 19,700 | 18,200 |
| | GFGC120.FE | 9,600 | 2,300 | 1,000 | 5,200 | 18,100 | 11,600 |
| | GFGC123.FE | 410,700 | 4,900 | 0 | 1,900 | 417,500 | 16,800 |
| | GFGC126.FE | 50,500 | 1,300 | 0 | 2,300 | 54,100 | 3,800 |
| | GFGC132.FE | 422,700 | 13,900 | 0 | 30,300 | 466,900 | 5,300 |
| | GFGC135.FE | 11,000 | 12,600 | 0 | 9,500 | 33,100 | 1,000 |
| | GFGC150.FE | 11,200 | 36,700 | 0 | 7,100 | 55,000 | 3,600 |
| | GFGC171.FE | 0 | 12,000 | 0 | 0 | 12,000 | 0 |
| | GFGC174.FE | 0 | 15,000 | 0 | 0 | 15,000 | 0 |
| | GFGC180.FE | 3,400 | 30,800 | 0 | 5,300 | 39,500 | 6,000 |
| | GFGC220.FE | 0 | 2,400 | 0 | 7,700 | 10,100 | 0 |
| | GFGC54.0FE | 1,300 | 6,800 | 0 | 6,000 | 14,100 | 0 |
| | GFGC60.0FE | 15,300 | 6,000 | 0 | 2,100 | 23,400 | 500 |
| | GFGC72.0FE | 2,000 | 1,100 | 0 | 3,400 | 6,500 | 0 |
| | GFGC75.0FE | 7,000 | 0 | 0 | 1,400 | 8,400 | 1,000 |
| | Total Call Febrero | 1,629,400 | 330,853 | 44,625 | 166,422 | 2,171,300 | 90,500 |
| MIRG | MIRC320.DI | 400 | 0 | 0 | 1,100 | 1,500 | 0 |
| | MIRC500.DI | 200 | 0 | 0 | 0 | 200 | 0 |
| | Total Call Diciembre | 600 | 0 | 0 | 1,100 | 1,700 | 0 |
| PAMP | PAMC35.0DI | 50,500 | 3,400 | 643 | 28,857 | 83,400 | 1,800 |
| | PAMC37.0DI | 5,400 | 0 | 201 | 2,699 | 8,300 | 0 |
| | PAMC45.0DI | 352,300 | 9,300 | 121 | 143,979 | 505,700 | 13,600 |
| | PAMC51.0DI | 187,400 | 20,658 | 6,028 | 59,614 | 273,700 | -3,700 |
| | PAMC57.0DI | 307,300 | 33,869 | 370 | 58,261 | 399,800 | -8,800 |
| | PAMC59.0DI | 81,700 | 88,100 | 835 | 28,665 | 199,300 | 0 |
| | PAMC69.0DI | 124,700 | 13,900 | 0 | 4,700 | 143,300 | 0 |
| | Total Call Diciembre | 1,109,300 | 169,227 | 8,198 | 326,775 | 1,613,500 | 2,900 |
| | PAMC37.0FE | 300 | 0 | 0 | 0 | 300 | 0 |
| | PAMC45.0FE | 70,400 | 0 | 0 | 12,100 | 82,500 | 3,200 |
| | PAMC51.0FE | 20,400 | 3,000 | 0 | 41,500 | 64,900 | 12,000 |
| | PAMC57.0FE | 16,800 | 200 | 0 | 4,500 | 21,500 | 1,500 |
| | Total Call Febrero | 107,900 | 3,200 | 0 | 58,100 | 169,200 | 16,700 |
| | PAMC57.0AB | 0 | 0 | 0 | 1,600 | 1,600 | 0 |
| | Total Call Abril | 0 | 0 | 0 | 1,600 | 1,600 | 0 |
| SUPV | SUPC37.0DI | 0 | 0 | 0 | 100 | 100 | 0 |
| | SUPC40.0DI | 30,500 | 0 | 0 | 9,500 | 40,000 | 0 |
| | SUPC43.0DI | 6,500 | 100 | 0 | 0 | 6,600 | 0 |
| | SUPC46.0DI | 3,700 | 0 | 0 | 0 | 3,700 | 0 |
| | SUPC58.0DI | 110,500 | 0 | 0 | 600 | 111,100 | 0 |
| | SUPC63.0DI | 91,000 | 4,600 | 0 | 1,000 | 96,600 | 0 |
| | Total Call Diciembre | 242,200 | 4,700 | 0 | 11,200 | 258,100 | 0 |
| TECO2 | TECC130.DI | 200 | 0 | 0 | 0 | 200 | 0 |
| | Total Call Diciembre | 200 | 0 | 0 | 0 | 200 | 0 |
| TGSU2 | TGSC11554D | 600 | 0 | 0 | 800 | 1,400 | 0 |

Anexo B
Posiciones Abiertas por Especie al 11/12/2019

| Especie | Serie | Posiciones (nominales) - Open Interest - | | | | | total | Variación c/ día anterior |
|---------------------------------|-----------------------------|--|-------------------|------------------|-------------------|--------------------|----------------|---------------------------|
| | | cubiertas | opuestas | cruzadas | descubiertas | | | |
| | TGSC13054D | 3,000 | 0 | 0 | 0 | 3,000 | 0 | |
| | TGSC95541D | 5,700 | 0 | 0 | 4,400 | 10,100 | 0 | |
| | Total Call Diciembre | 9,300 | 0 | 0 | 5,200 | 14,500 | 0 | |
| | TGSC11554F | 2,700 | 0 | 0 | 0 | 2,700 | 2,200 | |
| | Total Call Febrero | 2,700 | 0 | 0 | 0 | 2,700 | 2,200 | |
| TRAN | TRAC22.0DI | 9,200 | 0 | 0 | 3,200 | 12,400 | 0 | |
| | TRAC24.0DI | 13,100 | 0 | 0 | 0 | 13,100 | 0 | |
| | Total Call Diciembre | 22,300 | 0 | 0 | 3,200 | 25,500 | 0 | |
| TXAR | TXAC11.8DI | 528,700 | 91,000 | 0 | 22,400 | 642,100 | -1,000 | |
| | TXAC12.3DI | 208,400 | 9,000 | 0 | 19,100 | 236,500 | 0 | |
| | TXAC15.0DI | 235,600 | 27,900 | 115,300 | 11,000 | 389,800 | 0 | |
| | TXAC16.0DI | 499,000 | 42,400 | 12,850 | 132,050 | 686,300 | -23,600 | |
| | TXAC17.0DI | 143,500 | 17,600 | 0 | 45,400 | 206,500 | -18,800 | |
| | TXAC18.0DI | 557,800 | 47,500 | 18,103 | 34,997 | 658,400 | -39,500 | |
| | TXAC19.0DI | 10,000 | 0 | 0 | 0 | 10,000 | 0 | |
| | TXAC20.0DI | 245,400 | 14,600 | 34,988 | 31,112 | 326,100 | 0 | |
| | TXAC23.0DI | 263,200 | 106,820 | 13,872 | 37,908 | 421,800 | 200 | |
| | TXAC24.0DI | 0 | 10,000 | 5,000 | 0 | 15,000 | 0 | |
| | Total Call Diciembre | 2,691,600 | 366,820 | 200,113 | 333,967 | 3,592,500 | -82,700 | |
| | TXAC18.0FE | 21,000 | 2,700 | 0 | 1,000 | 24,700 | 0 | |
| | TXAC23.0FE | 181,300 | 500 | 45,602 | 33,198 | 260,600 | 6,600 | |
| | TXAC25.0FE | 0 | 0 | 0 | 2,600 | 2,600 | 0 | |
| | TXAC27.0FE | 3,300 | 0 | 0 | 1,500 | 4,800 | 0 | |
| | Total Call Febrero | 205,600 | 3,200 | 45,602 | 38,298 | 292,700 | 6,600 | |
| | TXAC25.0AB | 500 | 1,500 | 0 | 1,000 | 3,000 | 3,000 | |
| | Total Call Abril | 500 | 1,500 | 0 | 1,000 | 3,000 | 3,000 | |
| VALO | GVAC10.6DI | 193,700 | 24,800 | 53,381 | 69,319 | 341,200 | 0 | |
| | GVAC11.4DI | 206,700 | 25,100 | 0 | 24,800 | 256,600 | 0 | |
| | GVAC12.2DI | 344,200 | 339,000 | 0 | 148,000 | 831,200 | 12,700 | |
| | GVAC13.0DI | 288,200 | 26,300 | 0 | 51,500 | 366,000 | 0 | |
| | GVAC6.00DI | 500 | 0 | 0 | 0 | 500 | 0 | |
| | GVAC7.00DI | 7,800 | 20,400 | 0 | 100 | 28,300 | 0 | |
| | GVAC8.00DI | 513,200 | 38,600 | 0 | 49,300 | 601,100 | -6,300 | |
| | GVAC9.00DI | 246,100 | 5,800 | 0 | 19,000 | 270,900 | -5,800 | |
| | GVAC9.80DI | 210,700 | 14,800 | 0 | 27,200 | 252,700 | -46,400 | |
| | Total Call Diciembre | 2,011,100 | 494,800 | 53,381 | 389,219 | 2,948,500 | -45,800 | |
| | GVAC9.00FE | 13,000 | 1,000 | 0 | 0 | 14,000 | 0 | |
| | GVAC9.80FE | 14,100 | 0 | 0 | 1,000 | 15,100 | 0 | |
| | Total Call Febrero | 27,100 | 1,000 | 0 | 1,000 | 29,100 | 0 | |
| YFPD | YFPC800.DI | 3,300 | 900 | 400 | 400 | 5,000 | 0 | |
| | YFPC700.DI | 36,600 | 0 | 200 | 4,400 | 41,200 | -200 | |
| | YFPC740.DI | 23,500 | 100 | 500 | 2,700 | 26,800 | 0 | |
| | YFPC760.DI | 11,100 | 6,800 | 63 | 3,737 | 21,700 | 4,600 | |
| | YFPC800.DI | 55,100 | 5,047 | 888 | 10,065 | 71,100 | 500 | |
| | YFPC880.DI | 8,500 | 13,332 | 3,368 | 4,700 | 29,900 | 0 | |
| | YFPC920.DI | 2,700 | 1,500 | 0 | 0 | 4,200 | 0 | |
| | Total Call Diciembre | 140,800 | 27,679 | 5,419 | 26,002 | 199,900 | 4,900 | |
| | YFPC700.FE | 700 | 0 | 0 | 400 | 1,100 | 400 | |
| | YFPC740.FE | 200 | 200 | 0 | 100 | 500 | 300 | |
| | YFPC800.FE | 25,100 | 800 | 0 | 4,600 | 30,500 | 2,100 | |
| | YFPC960.FE | 3,100 | 1,400 | 3,693 | 1,507 | 9,700 | 1,100 | |
| | Total Call Febrero | 29,100 | 2,400 | 3,693 | 6,607 | 41,800 | 3,900 | |
| Total Opciones de Compra | | 61,311,460 | 36,405,027 | 8,420,411 | 30,061,582 | 136,198,480 | | |
| Opciones de Venta | | | | | | | | |
| ALUA | ALUV32.47D | 0 | 0 | 0 | 3,000 | 3,000 | 0 | |
| | Total Put Diciembre | 0 | 0 | 0 | 3,000 | 3,000 | 0 | |
| | ALUV19.37F | 0 | 0 | 0 | 113,200 | 113,200 | 0 | |
| | ALUV20.37F | 0 | 0 | 0 | 11,800 | 11,800 | 0 | |
| | ALUV25.37F | 0 | 0 | 0 | 36,600 | 36,600 | 0 | |
| | Total Put Febrero | 0 | 0 | 0 | 161,600 | 161,600 | 0 | |
| BMA | BMAV170.DI | 0 | 0 | 0 | 12,500 | 12,500 | 0 | |
| | BMAV260.DI | 0 | 0 | 0 | 100 | 100 | -100 | |
| | Total Put Diciembre | 0 | 0 | 0 | 12,600 | 12,600 | -100 | |
| | BMAV170.AB | 0 | 0 | 0 | 400 | 400 | 0 | |
| | Total Put Abril | 0 | 0 | 0 | 400 | 400 | 0 | |
| CEPU | CEPV37.29D | 0 | 0 | 0 | 100 | 100 | 0 | |
| | Total Put Diciembre | 0 | 0 | 0 | 100 | 100 | 0 | |
| COME | COMV1.35DI | 0 | 93,840 | 0 | 486,540 | 580,380 | 0 | |
| | COMV1.45DI | 0 | 97,580 | 0 | 23,800 | 121,380 | 0 | |
| | COMV1.55DI | 0 | 289,850 | 0 | 736,950 | 1,026,800 | 0 | |
| | COMV1.65DI | 0 | 24,820 | 0 | 514,930 | 539,750 | 0 | |
| | COMV1.75DI | 0 | 3,400 | 0 | 102,000 | 105,400 | 3,400 | |
| | COMV1.85DI | 0 | 50,150 | 0 | 98,260 | 148,410 | 0 | |
| | Total Put Diciembre | 0 | 559,640 | 0 | 1,962,480 | 2,522,120 | 3,400 | |

Anexo B
Posiciones Abiertas por Especie al 11/12/2019

| Especie | Serie | Posiciones (nominales) - Open Interest - | | | | | total | Variación c/ día anterior |
|---------|----------------------------|--|------------------|----------|------------------|------------------|----------------|---------------------------|
| | | cubiertas | opuestas | cruzadas | descubiertas | | | |
| | COMV1.65FE | 0 | 0 | 0 | 20,000 | 20,000 | 0 | |
| | COMV1.75FE | 0 | 500 | 0 | 32,200 | 32,700 | 0 | |
| | Total Put Febrero | 0 | 500 | 0 | 52,200 | 52,700 | 0 | |
| CRES | CREV37047D | 0 | 0 | 0 | 3,000 | 3,000 | 0 | |
| | CREV45047D | 0 | 0 | 0 | 100 | 100 | 0 | |
| | Total Put Diciembre | 0 | 0 | 0 | 3,100 | 3,100 | 0 | |
| | CREV38.0FE | 0 | 500 | 0 | 1,000 | 1,500 | 0 | |
| | CREV45047F | 0 | 0 | 0 | 4,500 | 4,500 | -400 | |
| | Total Put Febrero | 0 | 500 | 0 | 5,500 | 6,000 | -400 | |
| EDN | EDNV16.0DI | 0 | 0 | 0 | 176,000 | 176,000 | 0 | |
| | Total Put Diciembre | 0 | 0 | 0 | 176,000 | 176,000 | 0 | |
| | EDNV19.0FE | 0 | 0 | 0 | 4,400 | 4,400 | 1,400 | |
| | Total Put Febrero | 0 | 0 | 0 | 4,400 | 4,400 | 1,400 | |
| GGAL | GFGV102.DI | 0 | 188,800 | 0 | 321,400 | 510,200 | -11,600 | |
| | GFGV105.DI | 0 | 105,100 | 0 | 13,100 | 118,200 | -11,400 | |
| | GFGV114.DI | 0 | 100 | 0 | 0 | 100 | 0 | |
| | GFGV126.DI | 0 | 19,400 | 0 | 29,400 | 48,800 | 5,000 | |
| | GFGV54.0DI | 0 | 410,775 | 0 | 1,244,425 | 1,655,200 | 19,000 | |
| | GFGV60.0DI | 0 | 677,700 | 0 | 318,200 | 995,900 | 94,800 | |
| | GFGV72.0DI | 0 | 165,500 | 0 | 90,500 | 256,000 | 3,300 | |
| | GFGV75.0DI | 0 | 569,100 | 0 | 219,500 | 788,600 | 0 | |
| | GFGV81.0DI | 0 | 297,600 | 0 | 156,500 | 454,100 | -8,300 | |
| | GFGV84.0DI | 0 | 347,200 | 0 | 238,200 | 585,400 | 12,100 | |
| | GFGV87.0DI | 0 | 209,200 | 0 | 183,600 | 392,800 | -15,000 | |
| | GFGV90.0DI | 0 | 235,800 | 0 | 325,600 | 561,400 | 30,500 | |
| | GFGV93.0DI | 0 | 240,256 | 0 | 221,644 | 461,900 | -7,900 | |
| | GFGV96.0DI | 0 | 76,600 | 0 | 214,600 | 291,200 | 9,700 | |
| | GFGV99.0DI | 0 | 118,700 | 0 | 276,400 | 395,100 | 41,300 | |
| | Total Put Diciembre | 0 | 3,661,831 | 0 | 3,853,069 | 7,514,900 | 161,500 | |
| | GFGV54.0FE | 0 | 12,800 | 0 | 349,700 | 362,500 | 0 | |
| | GFGV60.0FE | 0 | 0 | 0 | 278,500 | 278,500 | 0 | |
| | GFGV75.0FE | 0 | 3,600 | 0 | 58,700 | 62,300 | 2,500 | |
| | GFGV84.0FE | 0 | 8,000 | 0 | 53,700 | 61,700 | 16,100 | |
| | GFGV90.0FE | 0 | 11,600 | 0 | 67,200 | 78,800 | 6,900 | |
| | GFGV99.0FE | 0 | 29,600 | 0 | 31,900 | 61,500 | 7,700 | |
| | Total Put Febrero | 0 | 65,600 | 0 | 839,700 | 905,300 | 33,200 | |
| | GFGV54.0AB | 0 | 0 | 0 | 296,000 | 296,000 | 10,000 | |
| | Total Put Abril | 0 | 0 | 0 | 296,000 | 296,000 | 10,000 | |
| PAMP | PAMV35.0DI | 0 | 15,100 | 0 | 71,700 | 86,800 | 0 | |
| | PAMV37.0DI | 0 | 0 | 0 | 71,400 | 71,400 | 0 | |
| | PAMV39.0DI | 0 | 500 | 0 | 2,000 | 2,500 | 0 | |
| | PAMV41.0DI | 0 | 0 | 0 | 11,200 | 11,200 | 0 | |
| | PAMV43.0DI | 0 | 0 | 0 | 32,800 | 32,800 | 0 | |
| | PAMV45.0DI | 0 | 14,400 | 0 | 38,800 | 53,200 | 100 | |
| | PAMV55.0DI | 0 | 0 | 0 | 2,900 | 2,900 | -2,000 | |
| | Total Put Diciembre | 0 | 30,000 | 0 | 230,800 | 260,800 | -1,900 | |
| | PAMV37.0FE | 0 | 25,400 | 0 | 54,800 | 80,200 | 0 | |
| | PAMV41.0FE | 0 | 3,200 | 0 | 2,000 | 5,200 | 0 | |
| | Total Put Febrero | 0 | 28,600 | 0 | 56,800 | 85,400 | 0 | |
| TGSU2 | TGSV11554F | 0 | 0 | 0 | 400 | 400 | 0 | |
| | Total Put Febrero | 0 | 0 | 0 | 400 | 400 | 0 | |
| TXAR | TXAV11.8DI | 0 | 0 | 0 | 46,000 | 46,000 | 0 | |
| | TXAV12.3DI | 0 | 0 | 0 | 0 | 0 | 0 | |
| | TXAV13.75D | 0 | 300 | 0 | 8,700 | 9,000 | 0 | |
| | TXAV15.0DI | 0 | 1,700 | 0 | 88,600 | 90,300 | 0 | |
| | TXAV16.0DI | 0 | 11,200 | 0 | 0 | 11,200 | 0 | |
| | TXAV17.0DI | 0 | 18,200 | 0 | 161,400 | 179,600 | 0 | |
| | TXAV18.0DI | 0 | 0 | 0 | 2,800 | 2,800 | 0 | |
| | TXAV20.0DI | 0 | 1,500 | 0 | 14,400 | 15,900 | 0 | |
| | Total Put Diciembre | 0 | 32,900 | 0 | 321,900 | 354,800 | 0 | |
| | TXAV20.0FE | 0 | 9,200 | 0 | 30,400 | 39,600 | 0 | |
| | TXAV23.0FE | 0 | 2,000 | 0 | 500 | 2,500 | 0 | |
| | Total Put Febrero | 0 | 11,200 | 0 | 30,900 | 42,100 | 0 | |
| VALO | GVAV6.00DI | 0 | 0 | 0 | 3,500 | 3,500 | 0 | |
| | GVAV8.00DI | 0 | 87,800 | 0 | 504,700 | 592,500 | 0 | |
| | Total Put Diciembre | 0 | 87,800 | 0 | 508,200 | 596,000 | 0 | |
| YFPD | YPFV520.DI | 0 | 400 | 0 | 12,500 | 12,900 | 0 | |
| | YPFV540.DI | 0 | 400 | 0 | 300 | 700 | 0 | |
| | YPFV560.DI | 0 | 200 | 0 | 14,300 | 14,500 | 0 | |
| | YPFV600.DI | 0 | 900 | 0 | 6,400 | 7,300 | 0 | |
| | YPFV620.DI | 0 | 1,100 | 0 | 6,700 | 7,800 | 0 | |
| | YPFV640.DI | 0 | 0 | 0 | 200 | 200 | 0 | |
| | YPFV700.DI | 0 | 2,300 | 0 | 20,700 | 23,000 | 700 | |
| | YPFV760.DI | 0 | 200 | 0 | 2,800 | 3,000 | -800 | |
| | Total Put Diciembre | 0 | 5,500 | 0 | 63,900 | 69,400 | -100 | |

Anexo B
Posiciones Abiertas por Especie al 11/12/2019

| Especie | Serie | Posiciones (nominales) - Open Interest - | | | | | total | Variación c/ día anterior |
|--------------------------------|--------------------------|--|------------------|----------|------------------|-------------------|------------|---------------------------|
| | | cubiertas | opuestas | cruzadas | descubiertas | | | |
| | YPFV600.FE | 0 | 0 | 0 | 300 | 300 | 0 | |
| | YPFV620.FE | 0 | 0 | 0 | 0 | 0 | 0 | |
| | YPFV640.FE | 0 | 0 | 0 | 4,800 | 4,800 | 0 | |
| | YPFV700.FE | 0 | 600 | 0 | 7,100 | 7,700 | 900 | |
| | Total Put Febrero | 0 | 600 | 0 | 12,200 | 12,800 | 900 | |
| Total Opciones de Venta | | 0 | 4,484,671 | 0 | 8,595,249 | 13,079,920 | | |

Lanzador cubierto: Es el sujeto que se obliga a cumplir con el derecho que la opción le otorga al titular depositando como garantía el activo subyacente. Esta figura sólo es aplicable a las opciones de compra.

Lanzador descubierto: Es el sujeto que se obliga a cumplir con el derecho que la opción le otorga al titular, sin depositar el activo subyacente. Esta figura es aplicable optativamente a las opciones de compra e indefectiblemente a las opciones de venta.

Posiciones Opuestas: Las posiciones opuestas acreditan las siguientes condiciones: a) opciones del mismo tipo (compra o venta) y de naturaleza inversa (titular, lanzador) sobre un mismo activo subyacente y b) idénticas cantidades de lotes lanzados y titulares en diferentes series

Posiciones Cruzadas: Combinan opciones con operaciones a plazo autorizadas que impliquen posiciones inversas, efectuadas para un comitente en la misma firma de agente o sociedad de bolsa, por la

misma cantidad y sobre el mismo activo subyacente.

(!): Información tomada de Refinitiv.

DIRECTOR GENERAL: Ernesto Allaria

DIRECTORA EJECUTIVA: Lic. Mónica Erpen

ECONOMIA Y FINANZAS: Lic. Mario Maydana, Cdr. Jorge Chain Vidal

PASANTES: Cinthya Maylin, Juliana Sánchez Marey, Francisco Ugarte

ESTADISTICAS Y BASE DE DATOS: Lic. Rosa Santantonio, Fernando Berástegui, Ing. Jesús Martínez Soto

CAPACITACION: Adriana Vidoni, Lic. Alberto Pascual.

Instituto Argentino de Mercado de Capitales S.A. IAMC - BYMA

25 de Mayo 362 2° Piso (C1002ABH)

Ciudad Autónoma de Buenos Aires - Argentina

E-mail: iamc@iamc.sba.com.ar

<https://www.iamc.com.ar>

@IAMC_Oficial

Director de Publicación: Ernesto Allaria