FUNDEADOURO DE SALINÓPOLIS (ESTADO DO PARÁ) - 2024 Longitude 047° 21'.0 W Fuso +03.0 horas 60 Componentes Nível Médio 2.75 m Carta 302

Latitude 00° 37'.0 S IAGS

IAGS					60 Componentes						Nível Médio 2.75 m					Cai	ta 302						
Janeiro					Fevereiro						Março					Abril							
HORA ALT (m) HORA ALT (m)				HOR		A ALT		HORA ALT (m)				HORA ALT (m)						A ALT					
01 SEG	0434 1021 1641 2221	1.0 4.1 1.4 4.2	17 QUA	0554 1143 1819	0.8 4.5 1.1	01 QUI	0517 1104 1745 2328	1.2 4.1 1.4 3.9	17 SAB	0649 1249	4.0 1.5 4.1 1.5	01 SEX	0454 1026 1717 2249	4.3 1.2	DOM	0008 0615 1217 1902	1.6 4.0	01 SEG	0558 1151 1838	4.1	17 QUA	0247 0851 1454 2156	2.0 3.7
02 TER	1102	1.2 4.0 1.5 4.0	18 QUI	0639 1232	4.3 1.1 4.3 1.3	02 SEX	0602 1156 1838	1.5 4.0 1.5	18 DOM	0758 1409	3.7 1.8 3.9 1.6	02 SAB	0536 1113 1800 2347	4.2 1.3	18 SEG	0126 0723 1341 2100	2.0 3.7	02 TER	0038 0700 1306 1949	1.8	18 QUI	1015 1609	1.7 3.9
03 QUA	0553 1156 1817	1.4 3.9 1.6	19 SEX	0113 0734 1334 2024	4.1 1.4 4.2 1.4	03 SAB	0030 0656 1258 1938	3.8 1.6 4.0 1.5	19 SEG	1553	3.6 1.9 3.9 1.4	03 DOM	0617 1213 1856	4.0	19 TER	1538	3.6 2.0 3.8 1.5	03 QUA	0204 0828 1432 2121	1.7	19 SEX	0454 1104 1700 2336	1.4
04 QUI	0017 0647 1258 1923	3.8 1.5 3.9 1.6	20 SAB	0228 0845 1449 2149	3.9 1.6 4.1 1.4	04 DOM	0141 0800 1406 2045	3.7 1.7 4.1 1.4	20 TER	1108 1709	3.9 1.6 4.1 1.1	04 SEG	0058 0719 1328 2004	3.7 1.8 4.0 1.5	20 QUA	0445 1054 1651 2336	3.8 1.7 4.0 1.2	04 QUI	0334 1000 1553 2241	4.0 1.4 4.5 0.9	20 SAB	0536 1149 1745	1.0
05 SEX	0126 0753 1402 2034	1.6 4.0	21 DOM	0354 1006 1611 2304	3.9 1.6 4.2 1.2	05 SEG	0254 0909 1513 2154	1.6 4.2	21 QUA		4.2 1.3 4.4	05 TER	0219 0841 1447 2132	1.7 4.2	21 QUI	0536 1145 1741	1.3	05 SEX	0445 1109 1700 2343	0.9 4.8	21 DOM	0009 0609 1226 1823	4.6 0.8
06 SAB		3.9 1.6 4.1 1.3	22 SEG	0509 1119 1721	4.1 1.4 4.3	06 TER	0404 1021 1617 2308	1.4	22 QUI	0643 1251	0.9 4.4 1.1 4.6	06 QUA	0347 1008 1602 2256	3.9 1.5 4.5 1.0	22 SEX	0013 0613 1223 1819		06 SAB	0541 1206 1758	0.5	22 SEG	0051 0643 1302 1858	4.8
07 DOM	0341 0958 1558 2236	4.0 1.4 4.4 1.1	23 TER		0.9 4.3 1.2 4.5	07 QUA	0509 1132 1719	1.1	23 SEX	0715 1324	0.7 4.6 0.9 4.7	07 QUI	0458 1124 1711	1.1	23 SAB	0053 0649 1258 1853		07 DOM	0038 0632 1300 1853	5.2 0.1	23 TER	0123 0711 1343 1934	4.8 0.5
08 SEG	0438 1054 1647 2332	4.2 1.2 4.6 0.8	24 QUA	0100 0656 1304 1858	0.7 4.5 1.0 4.6	08 QUI	0015 0608 1236 1817	4.6 0.8	24 SAB	0747 1358	0.6 4.7 0.8 4.7	08 SEX	0002 0558 1226 1811	0.6 4.7 0.6 5.1	24 DOM	0123 0717 1334 1924	0.6 4.8 0.6 4.8	08 SEG	0123 0715 1349 1941		24 QUA	0158 0743 1415 2004	0.7 4.9 0.5 4.7
09 TER	0530 1151 1738	4.4 1.1 4.8	25 QUI	0145 0738 1347 1934	0.6 4.6 0.9 4.7	09 SEX	0113 0702 1334 1913	4.9 0.5	25 DOM	0809 1430	0.6 4.7 0.7 4.7	09 SAB	0058 0651 1317 1906	5.1 0.3	25 SEG	0156 0745 1404 1953	4.9 0.5	09 TER	0206 0758 1434 2023	5.5 -0.2	25 QUI	0238 0811 1456 2039	0.8 4.8 0.5 4.6
10 QUA	0032 0621 1249 1828	4.6 0.9	26 SEX	0217 0806 1417 1958	4.6 0.9	10 SAB	0204 0753 1421 2004	5.1 0.3	26 SEG	0836	0.6 4.7 0.7 4.7	10 DOM	0149 0739 1404 1954	5.3 0.0	26 TER	0226 0809 1443 2024	4.9 0.5	10 QUA	0251 0838 1509 2102	5.4 -0.1	26 SEX	0306 0841 1534 2109	4.7 0.6
11 QUI	0126 0711 1345 1919	4.7 0.7	27 SAB	0251 0836 1449 2024	4.6 0.9	11 DOM	0253 0838 1506 2053	0.1	27 TER	0319 0856 1534 2102	4.7 0.7	11 SEG	0234 0819 1453 2041	5.4 -0.1	27 QUA	0258 0838 1511 2051	4.8 0.6	11 QUI	0326 0909 1553 2145	5.2 0.1	27 SAB	0349 0913 1606 2145	4.6 0.8
12 SEX	0217 0758 1436 2009	4.8 0.6	28 DOM	0313 0854 1515 2043	4.5 0.9	12 SEG	0334 0917 1553 2138	5.2 0.2	28 QUA	0351 0924 1602 2134	4.6 0.8	12 TER	0308 0856 1532 2119	5.4 -0.1	28 QUI	0332 0900 1551 2124	4.7 0.7	12 SEX	0400 0947 1628 2219	5.0 0.4	28 DOM	0421 0947 1651 2228	4.5 0.9
13 SAB	0304 0849 1521 2058	4.9 0.5	29 SEG	0341 0921 1547 2117	4.5 1.0	13 TER	0408 0954 1630 2215	0.3	29 QUI	0421 0949 1643 2209	4.5 1.0	13 QUA	0351 0934 1606 2158	5.3 0.1	29 SEX	0400 0930 1623 2151	4.5 0.9	13 SAB	0439 1023 1702 2300	4.6 0.8	29 SEG	0500 1039 1736 2319	4.3 1.1
14 DOM	0353 0934 1604 2147	4.8 0.6	30 TER	0408 0947 1621 2149	4.4 1.1	14 QUA	0449 1032 1706 2254	4.9 0.6				14 QUI	0423 1004 1649 2238	5.0 0.4	30 SAB	0439 0956 1700 2234	4.4 1.1	14 DOM	0509 1102 1747 2353	4.3 1.2	30 TER	0551 1143 1824	4.2
15 SEG	0434 1015 1651 2236	4.8 0.7	31 QUA	0443 1024 1658 2234	4.3 1.2	15 QUI	0521 1106 1749 2341	4.7 0.9				15 SEX	0456 1041 1721 2317	0.8	31 DOM	0511 1045 1747 2326	4.2 1.2	15 SEG	0554 1156 1834	4.0			
16 TER	0509 1058 1734 2323	4.6 0.9				16 SEX	0558 1149 1836	4.4				16 SAB	0534 1123 1804	4.3				16 TER	0102 0653 1311 2015	1.9 3.7			

FUNDEADOURO DE SALINÓPOLIS (ESTADO DO PARÁ) - 2024

Latitude 00° 37'.0 S

Longitude 047° 21'.0 W

Fuso +03.0 horas

Nível Médio 2.75 m **IAGS** 60 Componentes Carta 302 Maio Junho Julho Agosto HORA ALT (m) 0224 0902 0326 0958 0319 0956 0441 1143 0449 4.5 1149 1.0 0028 0654 3.8 1.6 0249 4.3 1.2 0236 4.4 1.2 4.1 1.3 4.2 1.2 01 17 01 17 01 17 01 17 0908 0928 1.8 QUA SEX SAB SEG SEG QUA QUI SAB 4.3 1258 42 1502 3.8 1456 4.4 1558 4.0 1526 4.1 1604 3.9 1747 4.1 1743 1.3 2143 1.6 2124 1.1 1.5 2147 1.3 2356 2219 2221 1.5 1.4 3 0149 3.9 0351 4.0 0328 4.5 0419 4.2 0345 4.4 0417 4.3 0554 4.3 0009 1.1 02 18 02 18 02 18 02 18 1009 1604 1008 1602 0.9 4.5 1054 1654 1041 1643 1102 1704 1245 1843 0551 1253 0817 1417 1.6 4.3 1.5 4.0 0.9 4.4 QUI QUI SAB DOM TER TER SEX DOM 2056 1.2 2238 1.4 2230 1.0 2313 1.3 2258 1.3 2324 1.4 1841 4.6 4.2 1.2 0432 0506 1147 0458 0511 0.7 5.1 വദവദ 0439 4.2 1.2 4.6 0.7 4.5 1.0 0054 1.1 4.5 0108 10 10 03 19 03 10 03 03 1100 1109 1153 0.9 0651 0651 1.0 1206 SEX DOM SEG **QUA QUA** SEX SAB SEG 0.7 4.5 1532 15 1656 42 1700 16 1745 4.3 1754 4.3 1800 4.3 1332 13/17 0.3 1.2 0.9 0.9 2208 2323 1926 1934 2332 4.9 ¥ 0413 4.5 0521 0532 4.8 0004 0006 1.2 0026 1.2 0139 0.9 0200 0.4 04 20 04 20 04 20 04 20 0.8 4.7 0.5 4.7 4.6 4.6 0.7 0606 1306 0734 1408 1047 1145 0.9 1209 0549 0604 4.7 47 0745 5.3 SAB SEG TER DOM TER **OUI OUI** SAB 0.5 1638 1743 0.8 0.7 0.0 2308 0.7 1832 4 4 1853 4.5 1853 4.5 2002 47 2017 5.1 0511 48 0004 1.1 0030 0.8 0054 0104 1.0 0658 4.7 0124 0.9 0213 0.8 0251 0.2 21 05 21 21 05 21 05 05 4.7 4.6 4.9 1145 0.5 0558 0624 0634 0658 0804 0836 5.4 DOM TER **OUA** SEX SEX DOM SEG QUA 1739 49 1228 0.7 1304 0.4 1328 0.7 1347 0.5 1400 0.5 1447 0.5 1511 -∩ 1 4.5 4.8 1913 4.6 4.6 (¥ (¥) 0004 0049 0121 0147 0156 0.9 0215 0.7 0249 0334 0.1 0.5 0.7 1.0 0.8 22 06 22 06 22 06 06 22 0602 5.1 0.2 0636 4 7 0713 5.0 0717 4 8 0747 48 0753 5.0 0834 47 0917 5.3 SEG **OUA OUI** SAB SAB SEG TER **OUI** 1309 0.6 1358 0.3 1430 0.5 1453 1509 1554 1834 5 1 1902 4.6 1954 4.9 1958 4.5 2021 47 2034 4.8 2058 4 7 2139 5.2 0056 0.4 0128 0.9 0206 0.7 0234 0.9 0238 0.8 0302 0.5 0313 0.8 0408 0.1 07 07 07 07 23 23 23 23 0653 5.2 0708 0758 5.0 0802 0824 4.8 0845 0958 QUI QUA TER SEX DOM DOM TER SEX 1324 0.0 5.2 1354 0.5 4.6 1445 0.3 1502 0.5 1504 0.5 1536 0.1 1539 0.6 1630 0.2 5.1 ¥ 0206 0351 0453 0147 0.3 0.9 0253 0315 0.9 0308 0.9 0345 0.3 08 24 08 24 08 24 08 24 0738 5.3 0743 4.8 0839 4.9 0849 4.9 0854 4.7 0934 5.1 0923 4.6 1039 4.9 **QUA** SEX SAB SEG SEG QUA QUI SAB 1409 0.0 1438 0.5 1521 0.4 1551 0.4 1539 0.6 1611 0.1 1602 0.7 1702 0.5 2004 5.2 2017 4.5 2113 4.7 2130 4.5 2128 4.6 2158 4.9 2147 4.6 2249 4.9 0.9 25 0228 0.4 0251 1.0 0328 0.8 0400 0.8 0341 0432 0.5 0411 0.9 0528 0.6 09 25 09 25 09 09 25 0815 5.2 0821 4.7 0913 4.7 0939 4.8 0921 4.6 1017 0949 4.5 1119 OUI SAB DOM TER TER OUI SEX DOM 1456 0.0 1513 0.6 1558 0.5 1632 0.4 1602 0.7 1654 0.3 1632 0.9 1743 0.9 0332 0400 1.0 0449 0.9 0404 0509 0449 0608 0306 0.5 1.0 0.6 1.0 0.9 10 26 10 26 10 26 10 26 5.1 0.2 4.3 1.1 0854 0856 4.7 0945 4.6 1030 4.8 0945 4.5 1058 4.9 1028 1206 4.2 1.3 SEX DOM SEG QUA QUA SEX SAB SEG 1538 1558 0.6 1628 0.8 1709 0.5 1630 0.8 1732 0.5 1702 2128 4.8 2138 4.3 2221 4.3 2258 4.5 2219 4.4 2317 4.8 2251 4.3 0347 0.7 0408 0430 1.2 0532 0436 0554 0.7 0524 0017 4.3 0.9 1.2 11 27 27 11 27 27 11 11 0930 4.8 0943 4.6 1015 4.4 1121 4.7 1019 4.4 1145 4.6 1109 4.1 0702 1.3 SAB SEG TER **OUI OUI** SAB DOM TER 1.0 1609 0.5 1643 0.7 1658 1756 0.7 1656 1.0 1808 0.8 1743 1.3 4.2 1309 3.9 2223 2349 2253 2358 0417 1.0 0454 12 0500 1.3 0617 1.0 0508 1.2 0639 1.0 0606 1.3 0124 4.0 28 12 28 28 12 28 12 12 1004 4.6 1036 4.5 1054 4.2 1.2 1211 4.5 1100 4.2 1.1 1236 4.3 1200 3.9 0823 1.6 DOM TER QUA SEX SEX DOM SEG **QUA** 1651 0.8 1724 0.8 1728 1843 0.9 1732 1854 1.1 1826 1.5 1443 3.7 2051 2247 4.3 2313 4.1 2334 4.0 2334 4.2 1.9 ({ 0038 0049 13 0454 29 0545 0541 1.5 29 4.4 1.1 13 0554 1.3 4.1 29 13 0026 4.0 29 0300 3.9 13 1043 4.3 1136 4 4 1141 4.0 0711 1151 0734 12 0700 1.5 1015 1.5 SEG **QUA** QUI SAB SAB SEG TER QUI 1721 0.9 1309 1.3 1336 1300 1626 1.1 1813 1806 1.4 4.4 1.1 1813 4.1 3.7 3.8 2326 4.0 1934 1951 2238 ({ 0528 1.5 0011 4,1 0023 3.9 0134 0021 0151 4.2 0128 4.0 0439 4.0 30 30 14 30 14 30 1126 4.0 0643 1.4 1239 4.3 0632 0849 1134 1.6 0815 1.2 0647 1.5 3.9 0800 1.5 1.2 TER QUI SEX DOM DOM TER **QUA** SEX 1802 14 1239 3.9 1413 42 1249 1454 39 1411 37 1738 4 1 2108 1911 1.0 1900 1.5 2036 1.2 1906 1.5 1.6 2028 2347 1.4 (3 3.8 0117 15 0123 3.9 4.0 0311 0238 0545 15 31 15 31 15 31 1.4 0613 1.8 0751 1.3 0739 1.7 0749 1.5 1019 1.4 0911 1224 0.9 SEX **QUA** SAB SEG QUA QUI SAB 1349 1353 1526 1824 1226 1347 1630 3.8 3.8 4.3 3.8 3.9 4.4 3.8 1.6 2009 1.6 2008 ({ 0132 3.7 0228 3.9 0219 4 0 0345 4.3 16 16 16 16 0728 0854 0853 1032 1.9 1.6 1.5 1.3 QUI DOM TER SEX 1341 3.8 1456 3.9 1500 3.8 1639 4.0 2300 1.7 2119 1.6 2115 1.6

FUNDEADOURO DE SALINÓPOLIS (ESTADO DO PARÁ) - 2024

Latitude 00° 37'.0 S

Longitude 047° 21'.0 W

Fuso +03.0 horas

Nível Médio 2.75 m 60 Componentes Setembro Outubro Novembro Dezembro HORA ALT (m) 0123 0.5 0717 4.7 0036 0047 0.8 0119 0234 0132 0.6 0300 17 17 17 17 01 0634 4.5 0641 5.2 0643 4.7 0711 5.4 0823 5.1 0719 4.6 0853 4.8 DOM TER TER SEX DOM TER QUI DOM 1447 1306 1308 0.0 1506 1902 4.6 1911 5.2 1904 4.8 1934 5.5 1928 4.9 2032 5.2 1923 4.8 2053 (***) (F 0113 0.9 0145 0.1 0119 0.6 0204 -0.2 0200 0.5 0313 0.1 0209 0.6 0343 0.4 02 18 02 18 02 18 0218 0713 1345 4.7 0.6 0749 1411 4.7 0.8 0904 1524 4.5 1.0 0709 1347 0734 5.4 1406 -0.1 0758 5.4 0.0 4.9 0.6 0753 0930 4.6 0.9 SEG QUA QUA SEG QUA SAB SEX SEG 0.6 1424 1423 1547 2109 0.7 4.7 0.4 4.7 03 19 03 19 03 19 03 19 0743 0817 5.5 0745 4.8 0843 5.3 0819 4.5 0949 0828 4.4 1002 4.4 TER QUI QUI SAB DOM TER TER OUI 1413 0.5 1409 1504 1602 1.1 4.5 1453 1451 1500 2004 4.8 2038 5.4 4.9 2051 5.3 2023 2149 2028 2156 0447 0221 0.6 0308 0226 0.5 0334 0309 0.7 0436 0.7 0336 0.7 0.9 -0.1 0.0 20 20 20 04 0404 20 041026 1641 4.7 0.5 5.4 0.0 4.7 0.7 0921 1547 5.1 0.4 0849 1523 4.3 1.2 0904 1547 4.3 1.2 1036 4.2 1.3 0858 0813 QUA QUA DOM QUA SEX SEX SEG SEX 1445 1530 1445 1.1 1647 2130 2226 2232 0.6 4.7 0409 1000 0511 1109 1.0 4.0 0413 0947 1.2 4.0 0253 0353 0258 0351 0513 05 21 05 2.1 05 2.1 05 21 0941 5.2 0843 4.6 4.8 0921 4.2 0836 4.1 1113 QUI SAB SAB SEG TER QUI QUI SAB 1626 1508 0.6 1604 0.3 1511 8.0 1621 0.8 1558 1.3 1715 1.5 1.3 1721 2053 4.8 2149 5.2 2049 2204 4.8 2123 2311 4.1 2154 2317 4.0 0453 0426 0500 0.9 0551 0321 0.7 0430 0.3 0336 0.7 0.6 1.0 0554 1.4 22 22 22 06 06 06 06 1019 1645 0909 1549 1047 1700 0956 1639 1202 1802 1038 1711 0900 1541 4.6 0.7 4.9 0.6 4.4 1.0 4.4 1.1 4.0 1.5 3.8 1.7 4.0 1.4 1200 SEX DOM DOM TER OUA SEX SEX DOM 2119 2226 2117 2249 4.4 2208 4.3 2256 4.3 4.7 4.9 4.5 3 0009 0647 0551 0015 3.8 0641 1.6 0.6 4.5 0.9 4.2 0508 3.9 1.6 1.0 4.0 0404 07 23 07 23 07 23 07 23 0932 4.5 1100 0939 1136 4.0 1049 3.8 1138 SAB SEG SEG **QUA** QUI SAB SAB SEG 1606 0.9 1717 1.0 1617 12 1743 1723 16 1315 37 1808 1302 4.5 2306 4.5 0128 0128 08 24 08 24 08 24 08 24 1000 4.3 1.1 1151 1800 4.1 1.4 1015 1654 4.0 1.5 1241 3.7 1156 3.7 0811 1434 1.7 3.7 0645 1245 0751 TER DOM TER QUI SEX DOM DOM TER 1838 4.0 1411 1643 1.8 1821 3.8 2217 2358 4.2 2226 42 2049 1915 2038 3 ({ 0500 0645 0523 0053 3.8 1.7 0023 0247 0115 0747 4.2 1.1 0245 25 NO NO 25 nο 25 ρn 25 1039 1258 3.7 1100 3.8 0747 0704 1.3 0928 1.6 0906 QUA SEG SAB QUA SEX SEG SEG **OUA** 3.8 1.7 4.0 1.4 1713 1 4 1900 1.8 1738 17 1419 3.6 1315 1538 3.9 1351 42 1517 1.9 4.0 2026 ({ 0224 0351 0545 0111 0609 0232 0147 0353 26 10 10 26 10 26 10 26 1.2 4.0 1.4 4.2 1.1 4.4 1.5 4.2 1126 3.8 0815 17 1206 36 0932 1.6 0823 1021 0853 1006 TER QUI QUI SAB DOM TER TER OUI 3.8 1756 1.6 1443 3.6 1541 1436 1626 1456 1611 1.8 2349 4.0 2049 1.9 2154 2106 1.4 2247 1.2 2138 1.0 2241 1.2 1.7 ({ 3.8 0632 0300 0039 4.0 0349 4.0 0300 0445 0332 0447 2.7 11 2.7 2.7 2.7 11 11 11 1.5 1.2 1.3 1228 1004 0715 1.5 1032 0936 1.0 1106 0956 1.0 1058 QUA DOM SEX **QUA** SEX SEX SEG **OUA** 3.8 1.7 1853 1.8 1613 1332 36 1636 4 1 1543 44 1708 44 1556 4.6 1656 44 ({ 0056 4.0 0424 4.0 0202 0445 4.2 0404 0530 0438 0532 4.3 28 12 28 12 28 28 12 12 0732 1.5 1108 1.2 4.1 0843 1.4 1115 1.1 1038 0.7 4.7 1149 1.0 1056 0.9 1147 1.2 QUI SAB SAB SEG TER QUI QUI SAB 1502 4.3 1656 2002 1.8 2321 1.3 2126 1.5 2332 2309 0.6 2339 0.5 0211 4.0 0521 4.3 0321 0530 0504 49 0008 0.8 0538 0015 0.8 29 29 29 29 13 13 13 13 0853 1158 1.0 1006 1156 1134 0.5 0608 1156 0.7 0611 1.5 0.9 DOM TER SEX DOM OUA SEX SEX DOM 0.9 4.7 1509 3.8 1758 4 4 1613 4.3 1754 4.6 1732 5.0 1226 1753 5.0 1232 8000 0002 0051 0038 0102 0330 0004 0428 30 30 30 30 1021 1.2 0604 4.5 1109 0.7 0608 4.6 0558 5.1 0645 4.6 0634 4.9 0653 4.5 SEG SAB SEG **QUA** QUI SAB SAB SEG 1628 1238 0.8 1709 47 1232 0.8 1224 0.4 1304 0.9 1253 0.6 1317 1.0 2253 1.3 1836 4.6 2339 0.6 1828 4.8 1819 5.2 1849 4.8 1845 5.1 1853 4.8 0439 4.6 0528 5.0 0049 0056 0.1 0130 0153 0.6 31 31 15 15 15 15 1136 0.8 1204 0.4 0645 4.7 0653 5.2 0723 4.9 0732 DOM TER QUI SEX DOM TER 1732 4.5 1800 5.1 1304 0.7 1311 0.3 1345 0.6 1402 0.9 0.8 (F) (¥ 0543 0032 0149 0215 5.0 0.2 0.0 0.2 16 16 16 16 1234 0.4 0623 5.3 0741 5.2 0808 4.9 QUA SEG SAB SEG 1826 4.9 1256 0.1 1400 0.3 1428 0.6 1849 5.3 1951 5.3 2013 5.0