

CALCULO MODELO GEOIDAL LOCAL

| | |
|----------------|------------|
| CODIGO | F-PR-12 |
| VERSIÓN | 0 |
| FECHA | 19/11/2013 |
| PAGINA | 1_1 |

| PUNTO | COTA ELIPSOIDAL h | COTA NIVELACION H | COTA GEOCOL2004 | N' = h – H NIVELACION | N1 = h – H GEOCOL2004 | C = N' – N1 | DELTA h | DELTA H GEOM NIV | DIF DELTAS |
|-------------|----------------------|-------------------------|--------------------|-----------------------|-----------------------|-------------|----------|------------------|------------|
| BLZ-2-EAB | 2947,919 | 2923,970 | 2920,819 | 23,949 | 27,100 | -3,151 | - | - | - |
| GPS-1-ETMVA | 2647,014 | 2623,196 | 2620,414 | 23,818 | 26,600 | -2,782 | -117,818 | -117,798 | -0,020 |
| GPS-5-ETMVA | 2764,832 | 2740,994 | 2738,032 | 23,838 | 26,800 | -2,962 | -101,069 | -101,032 | -0,037 |
| GPS-7-ETMVA | 2865,901 | 2842,026 | 2838,901 | 23,876 | 27,000 | -3,124 | -25,186 | -25,099 | -0,087 |
| GPS-4-IDU | 2891,087 | 2867,125 | 2864,087 | 23,963 | 27,000 | -3,037 | -5,981 | -5,996 | 0,015 |
| GPS-73-EAAB | 2897,068 | 2873,121 | 2870,068 | 23,947 | 27,000 | -3,053 | 122,536 | 122,476 | 0,060 |
| P3-2018 | 2774,532 | 2750,644 | 2747,632 | 23,888 | 26,900 | -3,012 | 136,100 | 136,026 | 0,074 |
| GPS-01 | 2638,432 | 2614,619 | 2611,832 | 23,813 | 26,600 | -2,787 | -2,182 | -2,186 | 0,004 |
| GPS-02 | 2640,614 | 2616,805 | 2614,014 | 23,809 | 26,600 | -2,791 | -18,958 | -18,939 | -0,019 |
| GPS-03 | 2659,572 | 2635,744 | 2632,872 | 23,828 | 26,700 | -2,872 | -2,250 | -2,253 | 0,003 |
| GPS-04 | 2661,822 | 2637,997 | 2635,122 | 23,825 | 26,700 | -2,875 | -0,170 | -0,140 | -0,030 |
| GPS-05 | 2661,992 | 2638,137 | 2635,292 | 23,855 | 26,700 | -2,845 | -8,113 | -8,145 | 0,032 |
| GPS-06 | 2670,105 | 2646,282 | 2643,405 | 23,823 | 26,700 | -2,877 | -10,734 | -10,707 | -0,027 |
| GPS-07 | 2680,839 | 2656,989 | 2654,139 | 23,850 | 26,700 | -2,850 | -51,452 | -51,458 | 0,006 |
| GPS-08 | 2732,291 | 2708,447 | 2705,591 | 23,844 | 26,700 | -2,856 | -9,821 | -9,837 | 0,016 |
| GPS-09 | 2742,112 | 2718,283 | 2715,412 | 23,829 | 26,700 | -2,871 | -11,261 | -11,240 | -0,021 |
| GPS-10 | 2753,373 | 2729,523 | 2726,573 | 23,850 | 26,800 | -2,950 | -5,684 | -5,663 | -0,021 |
| GPS-11 | 2759,057 | 2735,186 | 2732,257 | 23,871 | 26,800 | -2,929 | -5,636 | -5,661 | 0,025 |
| GPS-12 | 2764,693 | 2740,847 | 2737,893 | 23,846 | 26,800 | -2,954 | 9,124 | 9,126 | -0,002 |
| GPS-13 | 2755,569 | 2731,721 | 2728,769 | 23,848 | 26,800 | -2,952 | 0,111 | 0,137 | -0,026 |
| GPS-14 | 2755,458 | 2731,584 | 2728,658 | 23,874 | 26,800 | -2,926 | 2,498 | 2,476 | 0,022 |
| GPS-15 | 2752,960 | 2729,108 | 2726,160 | 23,852 | 26,800 | -2,948 | -1,832 | -1,813 | -0,019 |
| GPS-16 | 2754,792 | 2730,921 | 2727,992 | 23,871 | 26,800 | -2,929 | -20,077 | -20,084 | 0,007 |
| GPS-17 | 2774,869 | 2751,005 | 2747,969 | 23,864 | 26,900 | -3,036 | -2,444 | -2,437 | -0,007 |
| GPS-18 | 2777,313 | 2753,442 | 2750,413 | 23,871 | 26,900 | -3,029 | -8,804 | -8,776 | -0,028 |
| GPS-19 | 2786,117 | 2762,218 | 2759,217 | 23,899 | 26,900 | -3,001 | -45,547 | -45,585 | 0,038 |
| GPS-20 | 2831,664 | 2807,804 | 2804,764 | 23,860 | 26,900 | -3,040 | -8,837 | -8,820 | -0,017 |
| GPS-21 | 2840,501 | 2816,623 | 2813,601 | 23,878 | 26,900 | -3,022 | -21,595 | -21,596 | 0,001 |
| GPS-22 | 2862,096 | 2838,220 | 2835,096 | 23,876 | 27,000 | -3,124 | -3,344 | -3,341 | -0,003 |
| GPS-23 | 2865,440 | 2841,560 | 2838,440 | 23,880 | 27,000 | -3,120 | -22,819 | -22,797 | -0,022 |
| GPS-24 | 2888,259 | 2864,357 | 2861,259 | 23,902 | 27,000 | -3,098 | -1,519 | -1,544 | 0,025 |
| GPS-25 | 2889,778 | 2865,901 | 2862,778 | 23,877 | 27,000 | -3,123 | -13,872 | -13,855 | -0,017 |
| GPS-26 | 2903,650 | 2879,756 | 2876,650 | 23,894 | 27,000 | -3,106 | 0,178 | 0,189 | -0,011 |
| GPS-27 | 2903,472 | 2879,568 | 2876,472 | 23,905 | 27,000 | -3,095 | 129,798 | 129,806 | -0,008 |
| GPS-28 | 2773,674 | 2749,761 | 2746,774 | 23,913 | 26,900 | -2,987 | -5,477 | -5,500 | 0,023 |
| GPS-29 | 2779,151 | 2755,261 | 2752,251 | 23,890 | 26,900 | -3,010 | 5,324 | 5,316 | 0,008 |
| GPS-30 | 2773,827 | 2749,944 | 2746,927 | 23,883 | 26,900 | -3,017 | -23,667 | -23,645 | -0,022 |
| GPS-31 | 2797,494 | 2773,589 | 2770,594 | 23,905 | 26,900 | -2,995 | 11,373 | 11,361 | 0,012 |
| GPS-32 | 2786,121 | 2762,228 | 2759,221 | 23,893 | 26,900 | -3,007 | -40,785 | -40,784 | -0,001 |

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|--------|----------------------|-------------------------|--------------------|-----------------------|-----------------------|-------------|---------|------------------|------------|
| GPS-33 | 2826,906 | 2803,012 | 2800,006 | 23,894 | 26,900 | -3,006 | -0,107 | -0,024 | -0,083 |
| GPS-34 | 2827,013 | 2803,036 | 2800,113 | 23,977 | 26,900 | -2,923 | -16,965 | -17,020 | 0,055 |
| GPS-35 | 2843,978 | 2820,056 | 2816,978 | 23,923 | 27,000 | -3,077 | -24,290 | -24,289 | -0,001 |
| GPS-36 | 2868,268 | 2844,345 | 2841,268 | 23,923 | 27,000 | -3,077 | -12,674 | -12,688 | 0,014 |
| GPS-37 | 2880,942 | 2857,032 | 2853,942 | 23,910 | 27,000 | -3,090 | -24,242 | -24,204 | -0,038 |
| GPS-38 | 2905,184 | 2881,237 | 2878,184 | 23,947 | 27,000 | -3,053 | -24,209 | -24,190 | -0,019 |
| GPS-39 | 2929,393 | 2905,427 | 2902,293 | 23,966 | 27,100 | -3,134 | -7,771 | -7,776 | 0,005 |
| GPS-40 | 2937,164 | 2913,203 | 2910,064 | 23,962 | 27,100 | -3,138 | -10,088 | -10,081 | -0,007 |
| GPS-41 | 2947,252 | 2923,283 | 2920,152 | 23,969 | 27,100 | -3,131 | -23,012 | -23,014 | 0,002 |
| GPS-42 | 2970,264 | 2946,297 | 2943,164 | 23,967 | 27,100 | -3,133 | -13,593 | -13,611 | 0,018 |
| GPS-43 | 2983,857 | 2959,907 | 2956,757 | 23,950 | 27,100 | -3,150 | 1,830 | 1,832 | -0,003 |
| GPS-44 | 2982,027 | 2958,075 | 2954,927 | 23,952 | 27,100 | -3,148 | 1,249 | 1,260 | -0,011 |
| GPS-45 | 2980,778 | 2956,815 | 2953,678 | 23,963 | 27,100 | -3,137 | -13,977 | -13,969 | -0,008 |
| GPS-46 | 2994,755 | 2970,784 | 2967,655 | 23,971 | 27,100 | -3,129 | -11,712 | -11,704 | -0,008 |
| GPS-47 | 3006,467 | 2982,488 | 2979,367 | 23,979 | 27,100 | -3,121 | -5,654 | -5,661 | 0,007 |
| GPS-48 | 3012,121 | 2988,149 | 2985,021 | 23,972 | 27,100 | -3,128 | -33,526 | -33,506 | -0,020 |
| GPS-49 | 3045,647 | 3021,655 | 3018,447 | 23,992 | 27,200 | -3,208 | -0,605 | -0,586 | -0,019 |
| GPS-50 | 3046,252 | 3022,241 | 3019,052 | 24,011 | 27,200 | -3,189 | - | - | - |

