

Додаток І

| Станція | Координати референцих GNSS-станцій України в системі УСК-2000 | | | УСК-2000 -BLH | | | УСК-2000 -ху | |
|---------|---|--------------|--------------|---------------|---------------|----------|--------------|-------------|
| | Х | У | З | В | Л | Н | х | у |
| ALXN | 3534669.5380 | 2305501.3332 | 4766671.9364 | 48.6713309924 | 33.1145496928 | 116.1381 | 5393178.722 | 6508436.958 |
| BALT | 3722630.7321 | 2115385.0646 | 4711838.4625 | 47.9297733117 | 29.6074055776 | 144.8175 | 5314004.674 | 5694838.942 |
| BCRV | 3568255.0285 | 2069863.7949 | 4848632.3130 | 49.7991897096 | 30.1170477674 | 189.6220 | 5522598.195 | 6292455.990 |
| BGS2 | 3559494.1192 | 2127933.2569 | 4829981.1668 | 49.5404379982 | 30.8717847194 | 157.1249 | 5492006.035 | 6345969.475 |
| BRGN | 3766396.1346 | 1752528.5813 | 4824118.8495 | 49.4576189979 | 24.9528647612 | 315.2561 | 5482632.965 | 5351586.943 |
| BRSL | 3554669.3247 | 2013012.4805 | 4882193.2145 | 50.2689980903 | 29.5229172153 | 180.9400 | 5573912.421 | 5679863.597 |
| BRSP | 3495799.4041 | 2096233.6256 | 4889581.9218 | 50.3733645273 | 30.9487379329 | 149.8758 | 5584487.768 | 6354078.666 |
| CHER | 3715240.3591 | 1672207.6311 | 4891242.1191 | 50.3960669289 | 24.2322270373 | 214.6465 | 5588664.360 | 5303208.431 |
| CHRS | 3396791.2941 | 2069218.0577 | 4969678.2964 | 51.5159933747 | 31.3484542121 | 154.3980 | 5710885.473 | 6385357.611 |
| CHRV | 3824321.0471 | 1862288.1600 | 4737148.1843 | 48.2694314154 | 25.9641906694 | 260.4475 | 5348999.350 | 5423104.894 |
| CHTK | 3773793.4817 | 1823865.2896 | 4791922.1936 | 49.0149059704 | 25.7943662863 | 253.8411 | 5432081.371 | 5411807.380 |
| CRNI | 3824726.0507 | 1860130.2135 | 4737696.2091 | 48.2766049246 | 25.9356651123 | 283.3371 | 5349825.977 | 5420998.337 |
| DIZU | 3463235.0629 | 2432037.5776 | 4756263.9368 | 48.5299666867 | 35.0782360092 | 100.1885 | 5379538.424 | 6653492.484 |
| DNCK | 3378251.5167 | 2621662.8614 | 4716917.6898 | 47.9971481871 | 37.8129414885 | 229.2767 | 5318886.132 | 7411409.634 |
| DNPR | 3470120.6596 | 2431269.8132 | 4751672.4651 | 48.4676114976 | 35.0162296302 | 104.6350 | 5372482.269 | 6649095.916 |
| DNRS | 3756084.7745 | 1890283.4664 | 4780308.4476 | 48.8547933103 | 26.7142379023 | 365.2560 | 5413614.072 | 5479029.221 |
| DUNA | 3747988.6340 | 1898874.9220 | 4783226.7534 | 48.8947720492 | 26.8685238232 | 357.2546 | 5418029.029 | 5490359.243 |
| EPS1 | 3313600.5130 | 2430185.8586 | 4861944.4162 | 49.9857047338 | 36.2562231127 | 120.0581 | 5542964.010 | 7303234.212 |
| FRAN | 3815124.1376 | 1756032.9751 | 4784615.3573 | 48.9145295480 | 24.7157644821 | 283.2951 | 5422734.035 | 5332575.792 |
| GDRS | 3532677.6662 | 1994472.5740 | 4905537.3115 | 50.5985628890 | 29.4481228491 | 170.3341 | 5610388.707 | 5673323.896 |
| GIZV | 3646025.4811 | 1906432.7061 | 4857830.9449 | 49.9265649962 | 27.6041545984 | 275.3060 | 5532951.297 | 5543381.847 |
| GLPL | 3470521.8961 | 2543662.7043 | 4692585.2639 | 47.6722822060 | 36.2389477202 | 115.3439 | 5285777.428 | 7292657.893 |
| GRDN | 3811732.4844 | 1813919.2017 | 4765839.7543 | 48.6580845599 | 25.4487438074 | 303.6051 | 5392860.971 | 5385716.736 |
| HMEL | 3706244.8665 | 1885787.0155 | 4820525.9890 | 49.4075695239 | 26.9676014469 | 351.4052 | 5475051.747 | 5497648.704 |
| HUS1 | 3912041.2746 | 1686159.0505 | 4731419.7049 | 48.1928492545 | 23.3168976844 | 185.6969 | 5342561.582 | 4672251.642 |
| IVNK | 3491633.8566 | 2008232.5199 | 4929055.2128 | 50.9331244140 | 29.9055983833 | 140.6047 | 5648767.640 | 5704244.780 |
| IZRS | 3934451.1757 | 2166294.1406 | 4513615.6124 | 45.3336939263 | 28.8370164954 | 57.5281 | 5023760.126 | 5644001.881 |
| IZUM | 3323147.2347 | 2529631.1720 | 4804713.0509 | 49.1922664722 | 37.2789529256 | 90.7819 | 5452532.052 | 7374553.980 |
| JTMR | 3583671.0554 | 1961284.4285 | 4882128.1621 | 50.2674044816 | 28.6911651486 | 243.6923 | 5572057.463 | 5620574.335 |
| KACH | 3657523.7434 | 1936386.5416 | 4837461.7371 | 49.6427189374 | 27.8978882263 | 296.3643 | 5501592.214 | 5564851.232 |
| KIRV | 3580620.5618 | 2257564.7924 | 4755413.0229 | 48.5180231322 | 32.2312426870 | 138.5559 | 5376409.418 | 6443207.153 |
| KMC1 | 3510001.0221 | 2055973.8434 | 4896506.6496 | 50.4705998895 | 30.3595265414 | 192.8544 | 5596624.373 | 6312553.031 |
| KMST | 3505776.7307 | 2066848.0117 | 4894960.6296 | 50.4488072079 | 30.5216858718 | 189.3935 | 5593803.750 | 6323982.403 |
| KPSK | 3273502.7609 | 2522639.9845 | 4842072.7689 | 49.7089415867 | 37.6187114491 | 92.4360 | 5509486.693 | 7400370.798 |

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|------|--------------|--------------|--------------|---------------|---------------|----------|-------------|-------------|
| KREM | 3490198.6437 | 2305381.4505 | 4799161.0185 | 49.1157357673 | 33.4459648682 | 110.2226 | 5442690.247 | 6532556.870 |
| KOCH | 3768890.7145 | 1870693.4685 | 4777795.5573 | 48.8216657518 | 26.3975590068 | 248.4098 | 5410065.682 | 5455760.518 |
| KOVL | 3638749.9043 | 1671063.0575 | 4948387.0743 | 51.2090648475 | 24.6665261327 | 194.0984 | 5678032.694 | 5336939.733 |
| KPNS | 3273549.1714 | 2522413.1465 | 4842164.7719 | 49.7101738979 | 37.6158276190 | 96.8506 | 5509627.580 | 7400165.326 |
| KRRG | 3574052.6995 | 2356755.0124 | 4712228.7456 | 47.9357791212 | 33.4011337161 | 67.8385 | 5311458.293 | 6529972.353 |
| KRRS | 3579284.4723 | 2259636.0408 | 4755435.7646 | 48.5183257268 | 32.2646040952 | 139.1600 | 5376418.830 | 6445672.073 |
| KUCH | 3743894.4889 | 1929736.7046 | 4774037.4716 | 48.7699986043 | 27.2681925447 | 284.3949 | 5404179.542 | 5519714.649 |
| KYIV | 3499919.9426 | 2060876.3300 | 4901536.8991 | 50.5424380610 | 30.4910775806 | 125.1003 | 5604290.383 | 6322160.833 |
| KZLE | 3449779.2168 | 2082497.4914 | 4927701.7597 | 50.9139657377 | 31.1177465239 | 127.8570 | 5644301.754 | 6367628.628 |
| KZLS | 3465801.0283 | 2325701.2130 | 4806952.4411 | 49.2230939499 | 33.8633065712 | 90.0620 | 5454893.073 | 6562887.776 |
| LGRS | 3270745.0109 | 2679006.8033 | 4759744.9299 | 48.5777398696 | 39.3202717673 | 52.8415 | 5382814.177 | 7523632.701 |
| LOZV | 3386107.0907 | 2488535.5365 | 4782466.5860 | 48.8859362926 | 36.3131049534 | 205.8662 | 5420520.196 | 7302952.932 |
| LUCH | 3316883.2511 | 2678954.7342 | 4728321.9557 | 48.1496533217 | 38.9268499240 | 327.4980 | 5335164.315 | 7494556.866 |
| MEZH | 3409994.0274 | 2544911.2557 | 4735899.5601 | 48.2532149683 | 36.7343331324 | 195.9698 | 5349159.869 | 7331754.965 |
| MIZ1 | 3881130.9058 | 1687981.9547 | 4756357.6412 | 48.5276141647 | 23.5051920054 | 456.4720 | 5380222.375 | 4685032.545 |
| MKVC | 3653659.6235 | 1867075.0188 | 4867364.6783 | 50.0594194696 | 27.0677157196 | 318.5279 | 5547555.983 | 5504849.024 |
| MUKA | 3909849.8836 | 1637452.4969 | 4750105.1198 | 48.4460621864 | 22.7240273294 | 133.8646 | 5369557.968 | 4627543.002 |
| MYKO | 3790441.3089 | 1686109.4009 | 4828905.5885 | 49.5240104574 | 23.9810265108 | 302.0979 | 5492274.388 | 4715817.980 |
| NADA | 3840464.8796 | 1756495.2311 | 4764465.9043 | 48.6380618211 | 24.5777106768 | 433.2589 | 5392305.796 | 5321479.747 |
| NEMO | 3675285.4076 | 2024644.3669 | 4787884.8495 | 48.9596125593 | 28.8495273235 | 251.3539 | 5426880.713 | 5635441.661 |
| NIKL | 3697134.7083 | 2314804.2426 | 4638008.2167 | 46.9485025611 | 32.0509963814 | 92.9541 | 5202050.890 | 6427752.276 |
| NMSH | 3512077.7976 | 2035528.3731 | 4903501.0438 | 50.5695418381 | 30.0957026366 | 187.9718 | 5608327.488 | 6294257.983 |
| NVSL | 3548713.3366 | 2553655.0744 | 4628591.5526 | 46.8249053935 | 35.7388008507 | 57.6157 | 5191517.132 | 6708980.261 |
| ODRS | 3788016.9620 | 2253499.2327 | 4594872.4616 | 46.3836256304 | 30.7485025753 | 34.7799 | 5141282.744 | 6326800.043 |
| ODSS | 3758388.5114 | 2260414.1012 | 4615620.8262 | 46.6548593226 | 31.0240361086 | 35.9718 | 5170866.707 | 6348750.249 |
| ORIH | 3498134.2448 | 2521024.0510 | 4684287.9539 | 47.5620104330 | 35.7794161057 | 71.2269 | 5273567.520 | 6709160.666 |
| PART | 3669456.1949 | 2340966.1038 | 4646751.0264 | 47.0641052065 | 32.5362448211 | 63.9396 | 5214569.909 | 6464770.286 |
| PHM2 | 3500769.8533 | 2140152.3194 | 4867043.8761 | 50.0571952188 | 31.4390139238 | 107.2856 | 5548473.960 | 6388217.309 |
| PLTV | 3413054.7148 | 2348930.1304 | 4833251.9257 | 49.5856635506 | 34.5364990196 | 167.7645 | 5495993.457 | 6611104.032 |
| PMSK | 3355053.6088 | 2457806.2061 | 4819858.5885 | 49.3997641367 | 36.2253262955 | 216.4498 | 5477886.942 | 7298610.602 |
| RAH1 | 3895949.7837 | 1751475.3976 | 4721396.6409 | 48.0550670494 | 24.2069265019 | 460.0841 | 5328420.329 | 5291793.043 |
| RDVL | 3705306.2070 | 1748102.7176 | 4872352.2715 | 50.1302668526 | 25.2571700404 | 229.6939 | 5556889.167 | 5375385.776 |
| RIVN | 3635911.4362 | 1794524.6250 | 4907393.7191 | 50.6241935599 | 26.2689030776 | 231.1838 | 5610633.019 | 5448264.639 |
| RJNT | 3830133.1520 | 1717892.7679 | 4786585.0960 | 48.9404923500 | 24.1572064092 | 379.6318 | 5427002.298 | 5291748.172 |
| RMNK | 3764786.3240 | 1939196.7185 | 4753858.2209 | 48.4955100209 | 27.2524579062 | 277.2718 | 5373651.257 | 5518658.947 |
| SAMB | 3813349.8447 | 1634586.5078 | 4828607.6347 | 49.5197166048 | 23.2023187324 | 317.9782 | 5489855.906 | 4659460.805 |
| SARN | 3569770.3474 | 1789015.9445 | 4957279.3814 | 51.3372027817 | 26.6180666145 | 159.9546 | 5689769.268 | 5473383.567 |
| SHAZ | 3631953.6727 | 1609735.8535 | 4973448.8989 | 51.5702830776 | 23.9036329520 | 172.1358 | 5719629.600 | 4701303.298 |

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| SHPT | 3645273.3435 | 1863508.7117 | 4874905.4290 | 50.1655963575 | 27.0766786572 | 275.0101 | 5559366.988 | 5505478.719 |
| SHSH | 3415274.8588 | 2303210.5660 | 4853508.3493 | 49.8673794037 | 33.9951406427 | 168.3389 | 5526668.164 | 6571544.018 |
| SHU1 | 3679372.2761 | 1803766.7023 | 4871751.1292 | 50.1215845101 | 26.1158315588 | 253.1954 | 5554842.991 | 5436768.280 |
| SIMF | 3740905.2151 | 2536945.6454 | 4485533.7149 | 44.9730564307 | 34.1436907738 | 316.7648 | 4982674.417 | 6590220.173 |
| SKOL | 3841538.5343 | 1671484.2413 | 4793921.9285 | 49.0402423353 | 23.5142445235 | 455.2519 | 5437245.215 | 4683818.345 |
| SKON | 3673264.1794 | 1885003.3907 | 4845751.3942 | 49.7580735127 | 27.1654650676 | 284.3271 | 5514048.457 | 5511922.762 |
| SKVR | 3586918.8616 | 2045190.0949 | 4845402.5042 | 49.7538183747 | 29.6909321603 | 227.8411 | 5517038.705 | 5693903.284 |
| SMLA | 3546243.4421 | 2204585.2690 | 4805455.0127 | 49.2017619327 | 31.8678850022 | 159.3019 | 5452778.915 | 6417495.640 |
| SMNV | 3465527.3012 | 2267521.1088 | 4834699.9093 | 49.6064015888 | 33.1970316685 | 105.9238 | 5497184.282 | 6514241.559 |
| STRY | 3812826.7022 | 1687507.1461 | 4810890.3709 | 49.2750530854 | 23.8735535980 | 308.7012 | 5464288.203 | 4709093.346 |
| SVRS | 3799632.5046 | 2504242.5870 | 4454226.8508 | 44.5788560558 | 33.3878759328 | 20.2643 | 4938303.935 | 6530806.513 |
| TER2 | 3737845.6729 | 1791825.4112 | 4831891.7237 | 49.5647582946 | 25.6118401621 | 361.6494 | 5493459.948 | 5399579.113 |
| TETV | 3615538.2964 | 2060611.2065 | 4817677.5844 | 49.3697408325 | 29.6802022099 | 206.9448 | 5474300.343 | 5694651.950 |
| UMAN | 3643044.0332 | 2120283.5559 | 4771185.2203 | 48.7316346836 | 30.1997802734 | 232.2611 | 5403663.357 | 6294011.492 |
| UZHG | 3907878.4067 | 1601303.7934 | 4763946.0037 | 48.6339804444 | 22.2820009087 | 140.1940 | 5389812.273 | 4594492.330 |
| VASL | 3444664.6482 | 2503301.5771 | 4732870.4220 | 48.2133235909 | 36.0065990536 | 96.2307 | 5346576.331 | 7277546.404 |
| VLVL | 3677676.9763 | 1664536.7172 | 4921931.1216 | 50.8309070595 | 24.3517676077 | 205.8000 | 5636717.445 | 5313435.627 |
| VNRS | 3670836.2219 | 1987208.5935 | 4806868.6774 | 49.2198505311 | 28.4289158681 | 290.5833 | 5455156.560 | 5604095.537 |
| VRHV | 3871084.8252 | 1787694.6396 | 4728504.2452 | 48.1486757519 | 24.7878303903 | 669.5909 | 5337420.597 | 5335392.644 |
| VSLE | 3570874.4875 | 2494442.9948 | 4643746.0128 | 47.0242480425 | 34.9363175387 | 83.7525 | 5211854.656 | 6647202.435 |
| ZAKR | 3678012.3512 | 1862852.9107 | 4850712.8965 | 49.8269011779 | 26.8614658038 | 309.4800 | 5521700.016 | 5490031.906 |
| ZAST | 3809301.2409 | 1844111.3381 | 4756219.7109 | 48.5275390955 | 25.8319726626 | 279.7656 | 5377841.109 | 5413727.187 |
| ZGUR | 3457846.0694 | 2158623.0588 | 4889405.5948 | 50.3710422033 | 31.9752186909 | 134.8662 | 5582719.355 | 6427094.052 |
| ZHTR | 3585619.6759 | 1960156.7959 | 4881157.1787 | 50.2537471463 | 28.6641790474 | 244.0377 | 5570495.057 | 5618684.354 |
| ZOLH | 3741521.2674 | 1737151.6925 | 4848756.4313 | 49.7999954167 | 24.9049806840 | 276.3893 | 5520804.691 | 5349176.869 |
| ZPRG | 3509609.3468 | 2459765.9350 | 4708061.0537 | 47.8797586638 | 35.0253081930 | 78.3167 | 5307137.826 | 6651489.607 |
| ZPRS | 3507118.9785 | 2470609.0841 | 4704257.3591 | 47.8288220835 | 35.1629897262 | 73.9130 | 5301753.921 | 6661946.071 |