

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 199.00 | 1.3470e-06 |
| 200.00 | 1.1817e-06 |
| 201.00 | 6.7620e-07 |
| 202.00 | 1.2552e-06 |
| 203.00 | 1.0639e-06 |
| 204.00 | 7.3617e-07 |
| 205.00 | 4.6751e-08 |
| 206.00 | 6.7686e-07 |
| 207.00 | 1.0452e-06 |
| 208.00 | 1.1076e-07 |
| 209.00 | 1.0940e-06 |
| 210.00 | 8.3553e-07 |
| 211.00 | 6.5796e-07 |
| 212.00 | 7.4590e-07 |
| 213.00 | 1.4417e-06 |
| 214.00 | 4.8565e-07 |
| 215.00 | 3.1796e-07 |
| 216.00 | 8.0677e-07 |
| 217.00 | -2.2564e-07 |
| 218.00 | 7.7058e-07 |
| 219.00 | 1.2795e-06 |
| 220.00 | 6.3487e-07 |
| 221.00 | 7.5668e-07 |
| 222.00 | 7.1032e-07 |
| 223.00 | 4.8182e-07 |
| 224.00 | 9.0333e-07 |
| 225.00 | 6.0489e-07 |
| 226.00 | -4.2329e-08 |
| 227.00 | 9.1309e-07 |
| 228.00 | 6.5029e-07 |
| 229.00 | 1.4063e-06 |
| 230.00 | 3.5856e-07 |
| 231.00 | 7.9824e-07 |
| 232.00 | 6.6683e-07 |
| 233.00 | -3.1226e-07 |
| 234.00 | 6.4039e-07 |
| 235.00 | 8.9558e-07 |
| 236.00 | 2.0783e-07 |
| 237.00 | 5.6941e-07 |
| 238.00 | 5.9926e-07 |
| 239.00 | 6.3153e-07 |
| 240.00 | 2.3479e-07 |
| 241.00 | 8.1663e-07 |
| 242.00 | 7.9528e-07 |
| 243.00 | 3.4959e-07 |
| 244.00 | -2.1441e-07 |
| 245.00 | -3.9204e-08 |
| 246.00 | 1.7780e-07 |
| 247.00 | -5.3846e-07 |
| 248.00 | 6.4681e-07 |
| 249.00 | 4.2981e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 250.00 | 2.2736e-07 |
| 251.00 | -4.6173e-07 |
| 252.00 | 3.7084e-07 |
| 253.00 | 8.7128e-07 |
| 254.00 | -3.2413e-07 |
| 255.00 | 7.5654e-08 |
| 256.00 | -4.8112e-07 |
| 257.00 | 2.3563e-07 |
| 258.00 | -2.8390e-07 |
| 259.00 | 5.8310e-07 |
| 260.00 | 3.6525e-07 |
| 261.00 | 2.1626e-07 |
| 262.00 | 7.6421e-08 |
| 263.00 | 2.0940e-07 |
| 264.00 | 6.7899e-07 |
| 265.00 | -5.7163e-07 |
| 266.00 | 2.9963e-07 |
| 267.00 | 8.7046e-07 |
| 268.00 | 4.1189e-07 |
| 269.00 | -5.4800e-07 |
| 270.00 | 3.8060e-07 |
| 271.00 | 3.2572e-07 |
| 272.00 | 5.0123e-07 |
| 273.00 | -5.2426e-07 |
| 274.00 | 2.3544e-07 |
| 275.00 | 5.7506e-07 |
| 276.00 | 5.3401e-07 |
| 277.00 | -5.6655e-08 |
| 278.00 | 5.3842e-07 |
| 279.00 | 7.2585e-07 |
| 280.00 | 4.9264e-07 |
| 281.00 | -8.2864e-07 |
| 282.00 | 2.8900e-07 |
| 283.00 | 5.9197e-07 |
| 284.00 | -5.6943e-08 |
| 285.00 | 2.4558e-07 |
| 286.00 | -5.8188e-08 |
| 287.00 | 1.6496e-07 |
| 288.00 | 1.6950e-07 |
| 289.00 | 1.5511e-07 |
| 290.00 | 3.0329e-07 |
| 291.00 | 5.3311e-07 |
| 292.00 | 2.7461e-07 |
| 293.00 | 2.6041e-07 |
| 294.00 | -2.8753e-07 |
| 295.00 | -1.8372e-07 |
| 296.00 | -5.6941e-08 |
| 297.00 | 6.6691e-07 |
| 298.00 | 1.9142e-08 |
| 299.00 | 2.3108e-07 |
| 300.00 | 2.4562e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 301.00 | -1.5233e-07 |
| 302.00 | 5.1211e-07 |
| 303.00 | 3.3745e-07 |
| 304.00 | 4.6414e-07 |
| 305.00 | -2.7632e-07 |
| 306.00 | 3.4175e-07 |
| 307.00 | 3.9043e-07 |
| 308.00 | 2.4738e-07 |
| 309.00 | -6.0952e-07 |
| 310.00 | 3.5566e-07 |
| 311.00 | -1.0977e-07 |
| 312.00 | 9.1671e-07 |
| 313.00 | 3.5200e-07 |
| 314.00 | 2.9733e-07 |
| 315.00 | 3.8201e-07 |
| 316.00 | 1.8531e-07 |
| 317.00 | 6.2793e-07 |
| 318.00 | 6.9526e-07 |
| 319.00 | 1.2311e-07 |
| 320.00 | 1.6896e-07 |
| 321.00 | 6.3746e-07 |
| 322.00 | 1.3302e-06 |
| 323.00 | 2.8522e-07 |
| 324.00 | 1.1782e-06 |
| 325.00 | 7.6639e-07 |
| 326.00 | 4.8372e-07 |
| 327.00 | -8.2976e-08 |
| 328.00 | 4.7010e-07 |
| 329.00 | 5.4431e-07 |
| 330.00 | -2.1240e-08 |
| 331.00 | 4.7559e-07 |
| 332.00 | 8.2205e-07 |
| 333.00 | 5.6840e-07 |
| 334.00 | 5.5601e-07 |
| 335.00 | 2.2258e-07 |
| 336.00 | 9.1659e-07 |
| 337.00 | 0.0000 |
| 338.00 | 6.6256e-07 |
| 339.00 | 0.0000 |
| 340.00 | 5.2239e-07 |
| 341.00 | 5.0729e-07 |
| 342.00 | -4.3634e-07 |
| 343.00 | -1.4520e-07 |
| 344.00 | -6.5352e-07 |
| 345.00 | 6.3027e-08 |
| 346.00 | -1.8481e-07 |
| 347.00 | 4.0347e-08 |
| 348.00 | 3.9781e-07 |
| 349.00 | -3.6313e-07 |
| 350.00 | 1.4772e-07 |
| 351.00 | 8.3385e-08 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 352.00 | -1.4384e-07 |
| 353.00 | 2.0248e-07 |
| 354.00 | 1.2573e-07 |
| 355.00 | -2.3246e-07 |
| 356.00 | 1.2441e-07 |
| 357.00 | 3.0493e-07 |
| 358.00 | -6.9402e-07 |
| 359.00 | -3.3836e-07 |
| 360.00 | -2.4770e-07 |
| 361.00 | 1.8118e-07 |
| 362.00 | -5.4307e-07 |
| 363.00 | 4.4110e-07 |
| 364.00 | 2.0464e-07 |
| 365.00 | -6.1835e-07 |
| 366.00 | 1.2360e-07 |
| 367.00 | 5.1711e-07 |
| 368.00 | -3.6414e-07 |
| 369.00 | -6.4279e-08 |
| 370.00 | -1.8931e-07 |
| 371.00 | 5.7878e-07 |
| 372.00 | -5.7068e-07 |
| 373.00 | 4.4295e-07 |
| 374.00 | 3.1910e-07 |
| 375.00 | 1.1856e-07 |
| 376.00 | -1.7647e-07 |
| 377.00 | -4.4815e-07 |
| 378.00 | 6.9669e-07 |
| 379.00 | -7.7739e-07 |
| 380.00 | 6.2843e-08 |
| 381.00 | 3.5510e-07 |
| 382.00 | 1.4582e-07 |
| 383.00 | -3.7395e-07 |
| 384.00 | -8.2890e-08 |
| 385.00 | 4.7524e-07 |
| 386.00 | -9.4928e-07 |
| 387.00 | 6.7980e-07 |
| 388.00 | 6.3720e-07 |
| 389.00 | -1.0251e-06 |
| 390.00 | -4.5045e-07 |
| 391.00 | 1.0219e-07 |
| 392.00 | -3.2642e-07 |
| 393.00 | -5.9091e-07 |
| 394.00 | 2.4405e-07 |
| 395.00 | -6.0854e-08 |
| 396.00 | 2.6315e-07 |
| 397.00 | -1.0704e-06 |
| 398.00 | -8.0672e-08 |
| 399.00 | -1.4098e-07 |
| 400.00 | -8.6389e-07 |
| 401.00 | -4.6100e-07 |
| 402.00 | 4.8009e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 403.00 | 2.3942e-07 |
| 404.00 | -7.5771e-07 |
| 405.00 | -2.3883e-07 |
| 406.00 | 2.1847e-07 |
| 407.00 | -8.9204e-07 |
| 408.00 | -3.3602e-07 |
| 409.00 | -1.9705e-08 |
| 410.00 | -4.5245e-07 |
| 411.00 | -4.7147e-07 |
| 412.00 | 5.8711e-07 |
| 413.00 | 7.8034e-08 |
| 414.00 | -1.8388e-07 |
| 415.00 | 1.8793e-07 |
| 416.00 | -2.4957e-07 |
| 417.00 | -2.2783e-07 |
| 418.00 | -1.6493e-07 |
| 419.00 | -3.6897e-07 |
| 420.00 | 1.0195e-07 |
| 421.00 | -8.2900e-07 |
| 422.00 | -1.2065e-07 |
| 423.00 | -1.9976e-07 |
| 424.00 | -6.1396e-07 |
| 425.00 | 6.0738e-07 |
| 426.00 | -9.6462e-07 |
| 427.00 | -7.5174e-07 |
| 428.00 | -1.0336e-07 |
| 429.00 | 4.0846e-08 |
| 430.00 | -3.8240e-07 |
| 431.00 | -1.0513e-06 |
| 432.00 | -1.0283e-07 |
| 433.00 | 2.2849e-07 |
| 434.00 | -1.1641e-06 |
| 435.00 | -7.6183e-07 |
| 436.00 | -8.4514e-07 |
| 437.00 | -9.8689e-07 |
| 438.00 | 1.6448e-07 |
| 439.00 | -7.6421e-07 |
| 440.00 | -6.4922e-07 |
| 441.00 | -3.1452e-07 |
| 442.00 | 6.1593e-08 |
| 443.00 | -4.0124e-08 |
| 444.00 | -7.0750e-07 |
| 445.00 | 1.4690e-07 |
| 446.00 | -7.8124e-07 |
| 447.00 | -7.8697e-07 |
| 448.00 | 3.3754e-07 |
| 449.00 | -5.0774e-07 |
| 450.00 | -2.0803e-07 |
| 451.00 | -1.4348e-07 |
| 452.00 | 1.6182e-07 |
| 453.00 | -1.3986e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 454.00 | 3.7162e-12 |
| 455.00 | 7.8317e-08 |
| 456.00 | -5.6185e-07 |
| 457.00 | 2.3054e-07 |
| 458.00 | -5.3330e-07 |
| 459.00 | -7.3741e-07 |
| 460.00 | -6.7753e-07 |
| 461.00 | -1.8719e-07 |
| 462.00 | 3.7224e-08 |
| 463.00 | -6.3048e-07 |
| 464.00 | 1.6631e-07 |
| 465.00 | -7.3796e-08 |
| 466.00 | -1.0507e-06 |
| 467.00 | -4.6091e-07 |
| 468.00 | 3.6928e-08 |
| 469.00 | 9.2340e-08 |
| 470.00 | -5.3599e-07 |
| 471.00 | -3.7126e-08 |
| 472.00 | 5.5792e-08 |
| 473.00 | -1.3826e-06 |
| 474.00 | 1.5028e-07 |
| 475.00 | -4.9094e-07 |
| 476.00 | -1.2515e-06 |
| 477.00 | 7.2549e-07 |
| 478.00 | 2.6874e-07 |
| 479.00 | 9.6536e-08 |
| 480.00 | -2.5807e-07 |
| 481.00 | 3.3955e-12 |
| 482.00 | -1.2734e-07 |
| 483.00 | -8.0659e-07 |
| 484.00 | -4.0597e-07 |
| 485.00 | -1.6718e-07 |
| 486.00 | 3.7405e-08 |
| 487.00 | 2.0705e-07 |
| 488.00 | 5.6912e-08 |
| 489.00 | 7.6378e-08 |
| 490.00 | 1.1537e-07 |
| 491.00 | -1.9369e-07 |
| 492.00 | -4.8693e-07 |
| 493.00 | -3.9218e-08 |
| 494.00 | 5.5772e-08 |
| 495.00 | -5.0908e-07 |
| 496.00 | 1.4639e-07 |
| 497.00 | -4.4203e-07 |
| 498.00 | -1.6682e-07 |
| 499.00 | 7.4591e-08 |
| 500.00 | 7.1251e-07 |
| 501.00 | 1.1688e-06 |
| 502.00 | -3.7899e-07 |
| 503.00 | 0.0000 |
| 504.00 | 1.1503e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 505.00 | -7.9037e-07 |
| 506.00 | 8.5187e-07 |
| 507.00 | 5.8422e-08 |
| 508.00 | 1.5678e-07 |
| 509.00 | 1.9914e-07 |
| 510.00 | 4.1888e-07 |
| 511.00 | 3.6572e-08 |
| 512.00 | -2.5758e-07 |
| 513.00 | 6.8374e-07 |
| 514.00 | 5.0191e-07 |
| 515.00 | 3.7358e-07 |
| 516.00 | -1.5015e-07 |
| 517.00 | 3.0217e-07 |
| 518.00 | 4.9401e-07 |
| 519.00 | -2.4859e-07 |
| 520.00 | 9.6197e-08 |
| 521.00 | 3.8671e-07 |
| 522.00 | -1.1664e-07 |
| 523.00 | -1.9572e-08 |
| 524.00 | 6.8907e-07 |
| 525.00 | 2.5426e-07 |
| 526.00 | -2.7429e-07 |
| 527.00 | 1.0116e-06 |
| 528.00 | 5.9225e-07 |
| 529.00 | 1.1182e-07 |
| 530.00 | -1.6904e-07 |
| 531.00 | 8.3153e-07 |
| 532.00 | 7.9969e-07 |
| 533.00 | 1.3419e-07 |
| 534.00 | -4.2439e-07 |
| 535.00 | -3.8903e-08 |
| 536.00 | 3.3454e-07 |
| 537.00 | 5.8414e-07 |
| 538.00 | 2.3930e-07 |
| 539.00 | 4.2712e-07 |
| 540.00 | 1.8741e-07 |
| 541.00 | -3.7901e-07 |
| 542.00 | 7.4726e-07 |
| 543.00 | 3.8783e-08 |
| 544.00 | 3.1404e-07 |
| 545.00 | -3.2793e-07 |
| 546.00 | 2.9459e-07 |
| 547.00 | 9.2884e-08 |
| 548.00 | 3.7514e-08 |
| 549.00 | -3.9673e-07 |
| 550.00 | 1.8989e-08 |
| 551.00 | 7.0652e-07 |
| 552.00 | -1.9189e-07 |
| 553.00 | -3.8582e-07 |
| 554.00 | 3.4902e-07 |
| 555.00 | 3.3132e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 556.00 | -1.1763e-07 |
| 557.00 | -4.2038e-07 |
| 558.00 | 1.8393e-07 |
| 559.00 | 3.7007e-08 |
| 560.00 | -5.5870e-08 |
| 561.00 | -3.1881e-07 |
| 562.00 | 2.0781e-07 |
| 563.00 | 3.9935e-07 |
| 564.00 | 6.3325e-07 |
| 565.00 | -4.8322e-07 |
| 566.00 | -9.7239e-08 |
| 567.00 | -3.3222e-07 |
| 568.00 | 7.4655e-07 |
| 569.00 | -1.2809e-06 |
| 570.00 | -3.3951e-07 |
| 571.00 | -9.7722e-07 |
| 572.00 | 1.9910e-07 |
| 573.00 | -5.9616e-08 |
| 574.00 | -2.0822e-07 |
| 575.00 | -5.5300e-07 |
| 576.00 | 3.3931e-07 |
| 577.00 | -2.1127e-07 |
| 578.00 | 0.0000 |
| 579.00 | -9.4230e-07 |
| 580.00 | 5.0002e-07 |
| 581.00 | -1.2436e-07 |
| 582.00 | -1.3386e-06 |
| 583.00 | -2.0467e-07 |
| 584.00 | 2.0331e-08 |
| 585.00 | 2.4244e-07 |
| 586.00 | -3.4089e-07 |
| 587.00 | -5.5668e-07 |
| 588.00 | 3.5400e-07 |
| 589.00 | 3.8224e-07 |
| 590.00 | 1.0508e-07 |
| 591.00 | -7.0616e-07 |
| 592.00 | -4.7166e-07 |
| 593.00 | 2.0231e-07 |
| 594.00 | -6.3069e-07 |
| 595.00 | -5.5323e-07 |
| 596.00 | 2.0932e-07 |
| 597.00 | -2.0559e-08 |
| 598.00 | -2.0182e-08 |
| 599.00 | -1.0975e-06 |
| 600.00 | 4.0055e-07 |
| 601.00 | -2.8851e-07 |
| 602.00 | -2.9771e-07 |
| 603.00 | -7.2495e-07 |
| 604.00 | 8.2971e-08 |
| 605.00 | 2.2003e-08 |
| 606.00 | 1.2825e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 607.00 | -8.6954e-07 |
| 608.00 | 1.4794e-07 |
| 609.00 | -1.0924e-06 |
| 610.00 | 4.0763e-07 |
| 611.00 | -4.9080e-07 |
| 612.00 | 5.3531e-07 |
| 613.00 | 1.5622e-06 |
| 614.00 | 4.4637e-06 |
| 615.00 | 9.9534e-06 |
| 616.00 | 2.0000e-05 |
| 617.00 | 3.0000e-05 |
| 618.00 | 4.0000e-05 |
| 619.00 | 4.0000e-05 |
| 620.00 | 5.0000e-05 |
| 621.00 | 5.0000e-05 |
| 622.00 | 4.0000e-05 |
| 623.00 | 4.0000e-05 |
| 624.00 | 5.0000e-05 |
| 625.00 | 5.0000e-05 |
| 626.00 | 5.0000e-05 |
| 627.00 | 6.0000e-05 |
| 628.00 | 6.0000e-05 |
| 629.00 | 6.0000e-05 |
| 630.00 | 6.0000e-05 |
| 631.00 | 6.0000e-05 |
| 632.00 | 6.0000e-05 |
| 633.00 | 6.0000e-05 |
| 634.00 | 6.0000e-05 |
| 635.00 | 6.0000e-05 |
| 636.00 | 6.0000e-05 |
| 637.00 | 7.0000e-05 |
| 638.00 | 7.0000e-05 |
| 639.00 | 8.0000e-05 |
| 640.00 | 1.0000e-04 |
| 641.00 | 0.00014000 |
| 642.00 | 0.00022000 |
| 643.00 | 0.00042000 |
| 644.00 | 0.00095000 |
| 645.00 | 0.0026800 |
| 646.00 | 0.0094900 |
| 647.00 | 0.033140 |
| 648.00 | 0.086280 |
| 649.00 | 0.17401 |
| 650.00 | 0.29441 |
| 651.00 | 0.43699 |
| 652.00 | 0.57998 |
| 653.00 | 0.69754 |
| 654.00 | 0.77950 |
| 655.00 | 0.82763 |
| 656.00 | 0.83554 |
| 657.00 | 0.80015 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 658.00 | 0.72737 |
| 659.00 | 0.62171 |
| 660.00 | 0.48543 |
| 661.00 | 0.31425 |
| 662.00 | 0.17250 |
| 663.00 | 0.089080 |
| 664.00 | 0.049160 |
| 665.00 | 0.017530 |
| 666.00 | 0.0054200 |
| 667.00 | 0.0019400 |
| 668.00 | 0.00082000 |
| 669.00 | 0.00040000 |
| 670.00 | 0.00023000 |
| 671.00 | 0.00015000 |
| 672.00 | 0.00012000 |
| 673.00 | 1.0000e-04 |
| 674.00 | 8.0000e-05 |
| 675.00 | 8.0000e-05 |
| 676.00 | 7.0000e-05 |
| 677.00 | 7.0000e-05 |
| 678.00 | 7.0000e-05 |
| 679.00 | 6.0000e-05 |
| 680.00 | 6.0000e-05 |
| 681.00 | 6.0000e-05 |
| 682.00 | 6.0000e-05 |
| 683.00 | 6.0000e-05 |
| 684.00 | 6.0000e-05 |
| 685.00 | 6.0000e-05 |
| 686.00 | 6.0000e-05 |
| 687.00 | 6.0000e-05 |
| 688.00 | 6.0000e-05 |
| 689.00 | 6.0000e-05 |
| 690.00 | 6.0000e-05 |
| 691.00 | 6.0000e-05 |
| 692.00 | 6.0000e-05 |
| 693.00 | 6.0000e-05 |
| 694.00 | 6.0000e-05 |
| 695.00 | 6.0000e-05 |
| 696.00 | 6.0000e-05 |
| 697.00 | 6.0000e-05 |
| 698.00 | 6.0000e-05 |
| 699.00 | 6.0000e-05 |
| 700.00 | 6.0000e-05 |
| 701.00 | 6.0000e-05 |
| 702.00 | 5.0000e-05 |
| 703.00 | 5.0000e-05 |
| 704.00 | 5.0000e-05 |
| 705.00 | 5.0000e-05 |
| 706.00 | 5.0000e-05 |
| 707.00 | 5.0000e-05 |
| 708.00 | 5.0000e-05 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 709.00 | 4.0000e-05 |
| 710.00 | 3.0000e-05 |
| 711.00 | 2.0000e-05 |
| 712.00 | 1.0000e-05 |
| 713.00 | 6.8550e-06 |
| 714.00 | 4.6267e-06 |
| 715.00 | 1.6219e-06 |
| 716.00 | 1.3839e-06 |
| 717.00 | 6.0174e-07 |
| 718.00 | -5.6319e-08 |
| 719.00 | -9.6814e-08 |
| 720.00 | 3.0290e-07 |
| 721.00 | 2.2859e-07 |
| 722.00 | 7.8446e-08 |
| 723.00 | -9.2952e-08 |
| 724.00 | -3.0613e-07 |
| 725.00 | -1.1818e-07 |
| 726.00 | -4.6221e-07 |
| 727.00 | 2.1286e-07 |
| 728.00 | 1.8830e-08 |
| 729.00 | 6.7843e-07 |
| 730.00 | -6.3959e-07 |
| 731.00 | 3.6929e-07 |
| 732.00 | -5.6927e-08 |
| 733.00 | -9.3684e-07 |
| 734.00 | -1.8985e-08 |
| 735.00 | 1.5203e-07 |
| 736.00 | 3.3190e-07 |
| 737.00 | -6.8421e-07 |
| 738.00 | -2.2783e-07 |
| 739.00 | -5.6567e-07 |
| 740.00 | -3.0345e-07 |
| 741.00 | 1.8935e-08 |
| 742.00 | 1.1680e-07 |
| 743.00 | -9.8133e-07 |
| 744.00 | 6.2788e-07 |
| 745.00 | 3.7127e-07 |
| 746.00 | -2.8025e-07 |
| 747.00 | -1.4587e-06 |
| 748.00 | -5.0523e-07 |
| 749.00 | -4.6392e-07 |
| 750.00 | -9.5221e-08 |
| 751.00 | -5.6649e-07 |
| 752.00 | 1.0015e-07 |
| 753.00 | -2.0850e-07 |
| 754.00 | -6.8058e-07 |
| 755.00 | 5.9837e-08 |
| 756.00 | -2.5302e-07 |
| 757.00 | -4.2896e-07 |
| 758.00 | 5.1949e-07 |
| 759.00 | 9.6402e-07 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 760.00 | 4.8428e-07 |
| 761.00 | 2.7826e-07 |
| 762.00 | 6.1891e-07 |
| 763.00 | 6.5755e-07 |
| 764.00 | -1.7834e-07 |
| 765.00 | 3.9404e-07 |
| 766.00 | 1.3442e-07 |
| 767.00 | -5.5108e-07 |
| 768.00 | -6.5289e-07 |
| 769.00 | 6.7237e-07 |
| 770.00 | 1.9669e-08 |
| 771.00 | -1.0279e-06 |
| 772.00 | 0.0000 |
| 773.00 | -2.7327e-07 |
| 774.00 | -4.5982e-07 |
| 775.00 | -9.5506e-08 |
| 776.00 | 1.9544e-07 |
| 777.00 | 2.4020e-07 |
| 778.00 | -5.8250e-08 |
| 779.00 | -3.6808e-07 |
| 780.00 | -3.9688e-08 |
| 781.00 | 9.4574e-08 |
| 782.00 | -5.8011e-08 |
| 783.00 | -6.1325e-07 |
| 784.00 | -4.4559e-07 |
| 785.00 | -5.7305e-07 |
| 786.00 | -7.0381e-07 |
| 787.00 | -5.2000e-07 |
| 788.00 | -8.1448e-07 |
| 789.00 | -2.1281e-07 |
| 790.00 | -3.7532e-07 |
| 791.00 | -4.8430e-07 |
| 792.00 | -9.9815e-07 |
| 793.00 | 3.8947e-08 |
| 794.00 | 1.1944e-07 |
| 795.00 | -2.0330e-08 |
| 796.00 | -1.5791e-06 |
| 797.00 | -2.9662e-07 |
| 798.00 | -2.1619e-07 |
| 799.00 | -3.3044e-07 |
| 800.00 | 7.1977e-07 |
| 801.00 | -3.5043e-07 |
| 802.00 | -2.3389e-07 |
| 803.00 | 2.9328e-07 |
| 804.00 | 1.1758e-07 |
| 805.00 | -5.5066e-07 |
| 806.00 | 1.5799e-07 |
| 807.00 | 3.9680e-07 |
| 808.00 | 2.9969e-07 |
| 809.00 | -2.2100e-07 |
| 810.00 | -4.0410e-08 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 811.00 | -4.6782e-07 |
| 812.00 | 2.0470e-08 |
| 813.00 | 4.1304e-08 |
| 814.00 | -3.9375e-08 |
| 815.00 | 0.0000 |
| 816.00 | 7.7822e-08 |
| 817.00 | 1.5677e-07 |
| 818.00 | 9.8742e-08 |
| 819.00 | -1.5923e-07 |
| 820.00 | 6.4125e-07 |
| 821.00 | 3.2322e-07 |
| 822.00 | -4.8920e-07 |
| 823.00 | 8.2157e-08 |
| 824.00 | 0.0000 |
| 825.00 | -5.7834e-08 |
| 826.00 | 4.8514e-07 |
| 827.00 | 4.6941e-07 |
| 828.00 | -1.3825e-07 |
| 829.00 | 3.3800e-07 |
| 830.00 | -4.2104e-07 |
| 831.00 | -7.2921e-07 |
| 832.00 | 3.6753e-07 |
| 833.00 | 1.1490e-07 |
| 834.00 | -5.0217e-07 |
| 835.00 | 4.6925e-07 |
| 836.00 | 2.7674e-07 |
| 837.00 | 4.8042e-07 |
| 838.00 | -2.2293e-07 |
| 839.00 | 4.1127e-07 |
| 840.00 | 5.9234e-08 |
| 841.00 | 0.0000 |
| 842.00 | 6.3645e-07 |
| 843.00 | 1.8878e-08 |
| 844.00 | -3.8580e-08 |
| 845.00 | 1.0056e-06 |
| 846.00 | 2.4270e-07 |
| 847.00 | 4.1628e-08 |
| 848.00 | 1.2841e-07 |
| 849.00 | 1.3264e-07 |
| 850.00 | -0.00079000 |
| 851.00 | -0.00079000 |
| 852.00 | -0.00076000 |
| 853.00 | -0.00074000 |
| 854.00 | -0.00074000 |
| 855.00 | -0.00072000 |
| 856.00 | -0.00070000 |
| 857.00 | -0.00069000 |
| 858.00 | -0.00067000 |
| 859.00 | -0.00066000 |
| 860.00 | -0.00064000 |
| 861.00 | -0.00063000 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 862.00 | -0.00061000 |
| 863.00 | -0.00060000 |
| 864.00 | -0.00058000 |
| 865.00 | -0.00057000 |
| 866.00 | -0.00056000 |
| 867.00 | -0.00054000 |
| 868.00 | -0.00053000 |
| 869.00 | -0.00052000 |
| 870.00 | -0.00050000 |
| 871.00 | -0.00049000 |
| 872.00 | -0.00048000 |
| 873.00 | -0.00047000 |
| 874.00 | -0.00046000 |
| 875.00 | -0.00045000 |
| 876.00 | -0.00043000 |
| 877.00 | -0.00042000 |
| 878.00 | -0.00042000 |
| 879.00 | -0.00040000 |
| 880.00 | -0.00039000 |
| 881.00 | -0.00038000 |
| 882.00 | -0.00037000 |
| 883.00 | -0.00037000 |
| 884.00 | -0.00035000 |
| 885.00 | -0.00034000 |
| 886.00 | -0.00033000 |
| 887.00 | -0.00033000 |
| 888.00 | -0.00031000 |
| 889.00 | -0.00031000 |
| 890.00 | -0.00030000 |
| 891.00 | -0.00029000 |
| 892.00 | -0.00028000 |
| 893.00 | -0.00028000 |
| 894.00 | -0.00027000 |
| 895.00 | -0.00027000 |
| 896.00 | -0.00026000 |
| 897.00 | -0.00025000 |
| 898.00 | -0.00025000 |
| 899.00 | -0.00024000 |
| 900.00 | -0.00024000 |
| 901.00 | -0.00023000 |
| 902.00 | -0.00023000 |
| 903.00 | -0.00022000 |
| 904.00 | -0.00022000 |
| 905.00 | -0.00022000 |
| 906.00 | -0.00021000 |
| 907.00 | -0.00021000 |
| 908.00 | -0.00021000 |
| 909.00 | -0.00020000 |
| 910.00 | -0.00020000 |
| 911.00 | -0.00019000 |
| 912.00 | -0.00019000 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 913.00 | -0.00019000 |
| 914.00 | -0.00018000 |
| 915.00 | -0.00018000 |
| 916.00 | -0.00018000 |
| 917.00 | -0.00018000 |
| 918.00 | -0.00017000 |
| 919.00 | -0.00017000 |
| 920.00 | -0.00017000 |
| 921.00 | -0.00017000 |
| 922.00 | -0.00016000 |
| 923.00 | -0.00016000 |
| 924.00 | -0.00016000 |
| 925.00 | -0.00015000 |
| 926.00 | -0.00015000 |
| 927.00 | -0.00015000 |
| 928.00 | -0.00015000 |
| 929.00 | -0.00014000 |
| 930.00 | -0.00014000 |
| 931.00 | -0.00014000 |
| 932.00 | -0.00014000 |
| 933.00 | -0.00013000 |
| 934.00 | -0.00013000 |
| 935.00 | -0.00013000 |
| 936.00 | -0.00013000 |
| 937.00 | -0.00013000 |
| 938.00 | -0.00013000 |
| 939.00 | -0.00012000 |
| 940.00 | -0.00012000 |
| 941.00 | -0.00012000 |
| 942.00 | -0.00012000 |
| 943.00 | -0.00012000 |
| 944.00 | -0.00012000 |
| 945.00 | -0.00011000 |
| 946.00 | -0.00011000 |
| 947.00 | -0.00011000 |
| 948.00 | -0.00011000 |
| 949.00 | -0.00011000 |
| 950.00 | -0.00011000 |
| 951.00 | -0.00011000 |
| 952.00 | -0.00011000 |
| 953.00 | -1.0000e-04 |
| 954.00 | -1.0000e-04 |
| 955.00 | -1.0000e-04 |
| 956.00 | -1.0000e-04 |
| 957.00 | -1.0000e-04 |
| 958.00 | -1.0000e-04 |
| 959.00 | -1.0000e-04 |
| 960.00 | -1.0000e-04 |
| 961.00 | -1.0000e-04 |
| 962.00 | -9.0000e-05 |
| 963.00 | -9.0000e-05 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 964.00 | -9.0000e-05 |
| 965.00 | -9.0000e-05 |
| 966.00 | -9.0000e-05 |
| 967.00 | -9.0000e-05 |
| 968.00 | -9.0000e-05 |
| 969.00 | -9.0000e-05 |
| 970.00 | -9.0000e-05 |
| 971.00 | -9.0000e-05 |
| 972.00 | -8.0000e-05 |
| 973.00 | -9.0000e-05 |
| 974.00 | -8.0000e-05 |
| 975.00 | -8.0000e-05 |
| 976.00 | -8.0000e-05 |
| 977.00 | -8.0000e-05 |
| 978.00 | -8.0000e-05 |
| 979.00 | -8.0000e-05 |
| 980.00 | -8.0000e-05 |
| 981.00 | -8.0000e-05 |
| 982.00 | -8.0000e-05 |
| 983.00 | -8.0000e-05 |
| 984.00 | -8.0000e-05 |
| 985.00 | -8.0000e-05 |
| 986.00 | -8.0000e-05 |
| 987.00 | -8.0000e-05 |
| 988.00 | -8.0000e-05 |
| 989.00 | -7.0000e-05 |
| 990.00 | -7.0000e-05 |
| 991.00 | -7.0000e-05 |
| 992.00 | -7.0000e-05 |
| 993.00 | -7.0000e-05 |
| 994.00 | -7.0000e-05 |
| 995.00 | -7.0000e-05 |
| 996.00 | -7.0000e-05 |
| 997.00 | -7.0000e-05 |
| 998.00 | -7.0000e-05 |
| 999.00 | -7.0000e-05 |
| 1000.0 | -7.0000e-05 |
| 1001.0 | -7.0000e-05 |
| 1002.0 | -7.0000e-05 |
| 1003.0 | -7.0000e-05 |
| 1004.0 | -7.0000e-05 |
| 1005.0 | -7.0000e-05 |
| 1006.0 | -7.0000e-05 |
| 1007.0 | -7.0000e-05 |
| 1008.0 | -7.0000e-05 |
| 1009.0 | -7.0000e-05 |
| 1010.0 | -7.0000e-05 |
| 1011.0 | -7.0000e-05 |
| 1012.0 | -7.0000e-05 |
| 1013.0 | -7.0000e-05 |
| 1014.0 | -7.0000e-05 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 1015.0 | -7.0000e-05 |
| 1016.0 | -7.0000e-05 |
| 1017.0 | -7.0000e-05 |
| 1018.0 | -7.0000e-05 |
| 1019.0 | -7.0000e-05 |
| 1020.0 | -7.0000e-05 |
| 1021.0 | -7.0000e-05 |
| 1022.0 | -7.0000e-05 |
| 1023.0 | -7.0000e-05 |
| 1024.0 | -7.0000e-05 |
| 1025.0 | -7.0000e-05 |
| 1026.0 | -7.0000e-05 |
| 1027.0 | -7.0000e-05 |
| 1028.0 | -7.0000e-05 |
| 1029.0 | -7.0000e-05 |
| 1030.0 | -7.0000e-05 |
| 1031.0 | -7.0000e-05 |
| 1032.0 | -7.0000e-05 |
| 1033.0 | -7.0000e-05 |
| 1034.0 | -7.0000e-05 |
| 1035.0 | -7.0000e-05 |
| 1036.0 | -7.0000e-05 |
| 1037.0 | -7.0000e-05 |
| 1038.0 | -7.0000e-05 |
| 1039.0 | -7.0000e-05 |
| 1040.0 | -7.0000e-05 |
| 1041.0 | -7.0000e-05 |
| 1042.0 | -7.0000e-05 |
| 1043.0 | -7.0000e-05 |
| 1044.0 | -7.0000e-05 |
| 1045.0 | -7.0000e-05 |
| 1046.0 | -7.0000e-05 |
| 1047.0 | -7.0000e-05 |
| 1048.0 | -7.0000e-05 |
| 1049.0 | -7.0000e-05 |
| 1050.0 | -7.0000e-05 |
| 1051.0 | -7.0000e-05 |
| 1052.0 | -7.0000e-05 |
| 1053.0 | -7.0000e-05 |
| 1054.0 | -7.0000e-05 |
| 1055.0 | -7.0000e-05 |
| 1056.0 | -7.0000e-05 |
| 1057.0 | -7.0000e-05 |
| 1058.0 | -7.0000e-05 |
| 1059.0 | -7.0000e-05 |
| 1060.0 | -7.0000e-05 |
| 1061.0 | -7.0000e-05 |
| 1062.0 | -7.0000e-05 |
| 1063.0 | -7.0000e-05 |
| 1064.0 | -7.0000e-05 |
| 1065.0 | -7.0000e-05 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 1066.0 | -7.0000e-05 |
| 1067.0 | -7.0000e-05 |
| 1068.0 | -7.0000e-05 |
| 1069.0 | -7.0000e-05 |
| 1070.0 | -7.0000e-05 |
| 1071.0 | -7.0000e-05 |
| 1072.0 | -7.0000e-05 |
| 1073.0 | -7.0000e-05 |
| 1074.0 | -7.0000e-05 |
| 1075.0 | -7.0000e-05 |
| 1076.0 | -7.0000e-05 |
| 1077.0 | -7.0000e-05 |
| 1078.0 | -7.0000e-05 |
| 1079.0 | -7.0000e-05 |
| 1080.0 | -7.0000e-05 |
| 1081.0 | -7.0000e-05 |
| 1082.0 | -7.0000e-05 |
| 1083.0 | -7.0000e-05 |
| 1084.0 | -7.0000e-05 |
| 1085.0 | -7.0000e-05 |
| 1086.0 | -7.0000e-05 |
| 1087.0 | -7.0000e-05 |
| 1088.0 | -7.0000e-05 |
| 1089.0 | -7.0000e-05 |
| 1090.0 | -7.0000e-05 |
| 1091.0 | -6.0000e-05 |
| 1092.0 | -7.0000e-05 |
| 1093.0 | -6.0000e-05 |
| 1094.0 | -7.0000e-05 |
| 1095.0 | -7.0000e-05 |
| 1096.0 | -7.0000e-05 |
| 1097.0 | -6.0000e-05 |
| 1098.0 | -7.0000e-05 |
| 1099.0 | -7.0000e-05 |
| 1100.0 | -7.0000e-05 |
| 1101.0 | -7.0000e-05 |
| 1102.0 | -6.0000e-05 |
| 1103.0 | -7.0000e-05 |
| 1104.0 | -7.0000e-05 |
| 1105.0 | -7.0000e-05 |
| 1106.0 | -6.0000e-05 |
| 1107.0 | -7.0000e-05 |
| 1108.0 | -6.0000e-05 |
| 1109.0 | -6.0000e-05 |
| 1110.0 | -6.0000e-05 |
| 1111.0 | -6.0000e-05 |
| 1112.0 | -6.0000e-05 |
| 1113.0 | -6.0000e-05 |
| 1114.0 | -6.0000e-05 |
| 1115.0 | -6.0000e-05 |
| 1116.0 | -6.0000e-05 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 1117.0 | -6.0000e-05 |
| 1118.0 | -6.0000e-05 |
| 1119.0 | -6.0000e-05 |
| 1120.0 | -6.0000e-05 |
| 1121.0 | -5.0000e-05 |
| 1122.0 | -5.0000e-05 |
| 1123.0 | -4.0000e-05 |
| 1124.0 | -4.0000e-05 |
| 1125.0 | -4.0000e-05 |
| 1126.0 | -3.0000e-05 |
| 1127.0 | -2.0000e-05 |
| 1128.0 | -2.0000e-05 |
| 1129.0 | -9.0730e-06 |
| 1130.0 | -2.2771e-07 |
| 1131.0 | 8.7530e-06 |
| 1132.0 | 2.0000e-05 |
| 1133.0 | 3.0000e-05 |
| 1134.0 | 4.0000e-05 |
| 1135.0 | 5.0000e-05 |
| 1136.0 | 6.0000e-05 |
| 1137.0 | 7.0000e-05 |
| 1138.0 | 8.0000e-05 |
| 1139.0 | 9.0000e-05 |
| 1140.0 | 0.00011000 |
| 1141.0 | 0.00012000 |
| 1142.0 | 0.00014000 |
| 1143.0 | 0.00016000 |
| 1144.0 | 0.00018000 |
| 1145.0 | 0.00021000 |
| 1146.0 | 0.00025000 |
| 1147.0 | 0.00029000 |
| 1148.0 | 0.00035000 |
| 1149.0 | 0.00043000 |
| 1150.0 | 0.00054000 |
| 1151.0 | 0.00070000 |
| 1152.0 | 0.00093000 |
| 1153.0 | 0.0012700 |
| 1154.0 | 0.0017000 |
| 1155.0 | 0.0023600 |
| 1156.0 | 0.0032100 |
| 1157.0 | 0.0042600 |
| 1158.0 | 0.0054800 |
| 1159.0 | 0.0069900 |
| 1160.0 | 0.0086500 |

| NAC FM HAL (110-1) BLOCKING DATA | |
|-------------------------------------|-------------|
| WAVELENGTH (nm) | 110_1_1.909 |
| 1161.0 | 0.010470 |
| 1162.0 | 0.012510 |
| 1163.0 | 0.014710 |
| 1164.0 | 0.016980 |
| 1165.0 | 0.019600 |
| 1166.0 | 0.022160 |
| 1167.0 | 0.024750 |
| 1168.0 | 0.027620 |
| 1169.0 | 0.030380 |
| 1170.0 | 0.032970 |
| 1171.0 | 0.035650 |
| 1172.0 | 0.038460 |
| 1173.0 | 0.040930 |
| 1174.0 | 0.043270 |
| 1175.0 | 0.045330 |
| 1176.0 | 0.047280 |
| 1177.0 | 0.048950 |
| 1178.0 | 0.050490 |
| 1179.0 | 0.051800 |
| 1180.0 | 0.053110 |
| 1181.0 | 0.054360 |
| 1182.0 | 0.055470 |
| 1183.0 | 0.056700 |
| 1184.0 | 0.058110 |
| 1185.0 | 0.059400 |
| 1186.0 | 0.060740 |
| 1187.0 | 0.062260 |
| 1188.0 | 0.063760 |
| 1189.0 | 0.065290 |
| 1190.0 | 0.066920 |
| 1191.0 | 0.068620 |
| 1192.0 | 0.070450 |
| 1193.0 | 0.072530 |
| 1194.0 | 0.074690 |
| 1195.0 | 0.077020 |
| 1196.0 | 0.079860 |
| 1197.0 | 0.082930 |
| 1198.0 | 0.085860 |
| 1199.0 | 0.089560 |
| 1200.0 | 0.093330 |