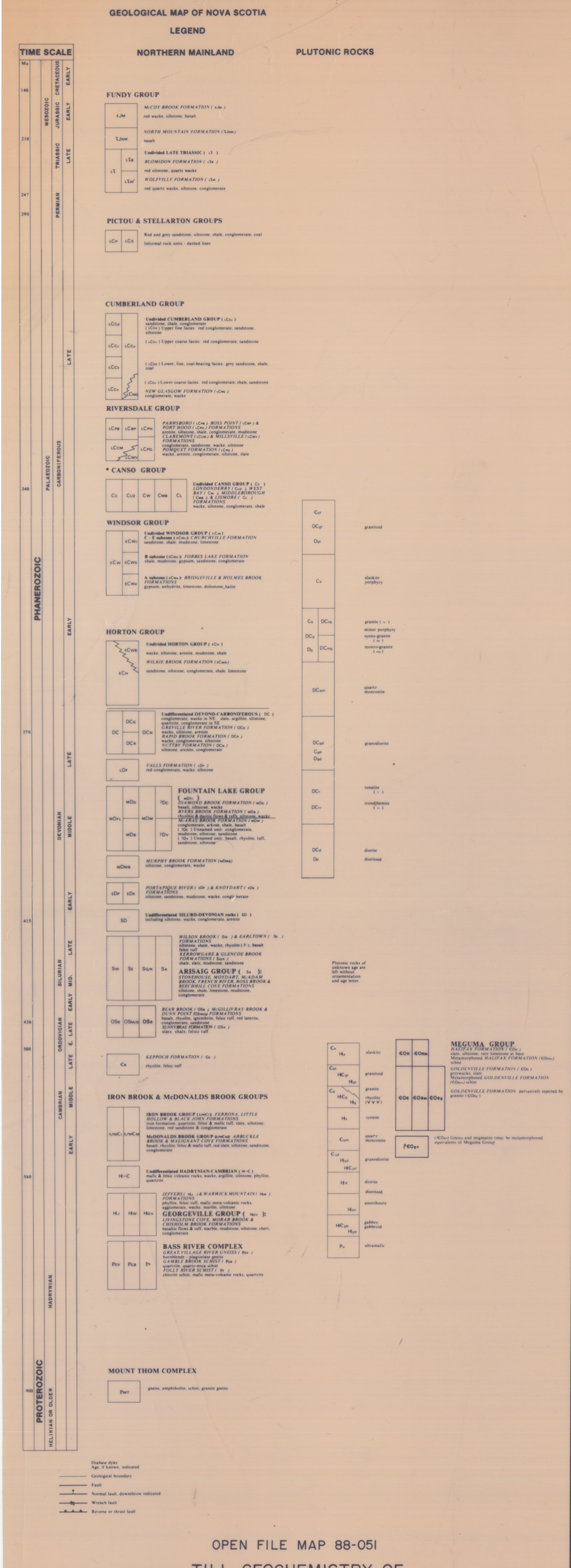


# OPEN FILE MAP 88-051

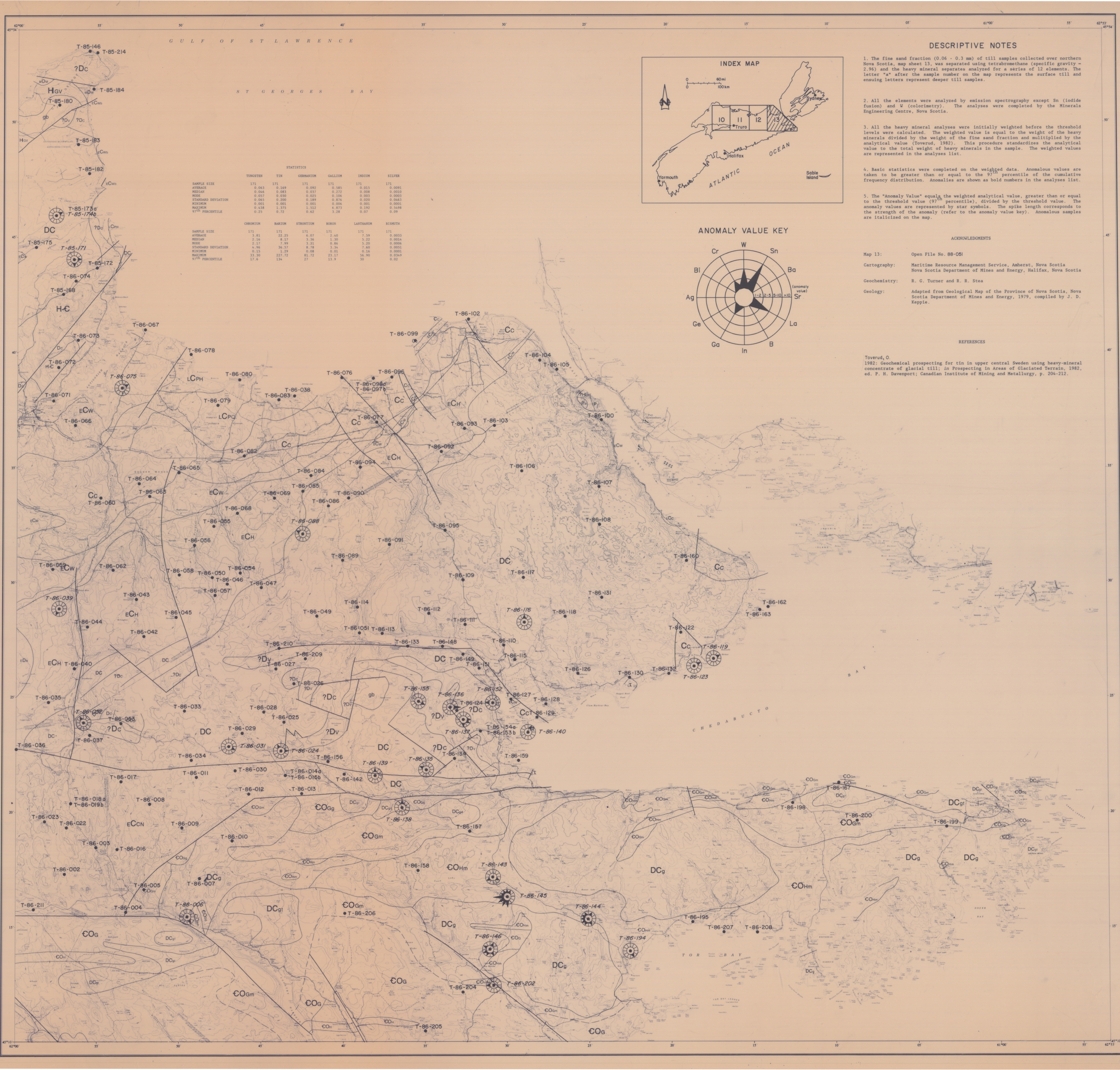
# TILL GEOCHEMISTRY OF NORTHERN MAINLAND NOVA SCOTIA HEAVY MINERAL SEPARATE ANALYSES

## Map 13-88

R. G. TURNER and R. R. STEA

NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY
Jack MacIsaac
Minister
John J. Laffin, P. Eng., FEIC
Deputy Minister

km 2 1 0 2 4 6 8 10 12 km
mi 1 0.5 0 1 2 3 4 5 6 7 8 mi
SCALE 1:100,000



STATISTICS

| | TUNGSTEN | TIN | GERMANIUM | GALLIUM | INDIUM | SILVER |
|---|---|---|---|---|---|---|
| SAMPLE SIZE | 171 | 171 | 171 | 171 | 171 | 171 |
| AVERAGE | 0.063 | 0.169 | 0.092 | 0.585 | 0.015 | 0.0091 |
| MEDIAN | 0.046 | 0.083 | 0.037 | 0.272 | 0.008 | 0.0010 |
| MODE | 0.057 | 0.030 | 0.025 | 0.106 | 0.003 | 0.0003 |
| STANDARD DEVIATION | 0.065 | 0.200 | 0.189 | 0.876 | 0.020 | 0.0463 |
| MINIMUM | 0.001 | 0.001 | 0.001 | 0.006 | 0.001 | 0.0001 |
| MAXIMUM | 0.438 | 1.375 | 1.512 | 6.873 | 0.192 | 0.5498 |
| 97th PERCENTILE | 0.25 | 0.72 | 0.62 | 3.28 | 0.07 | 0.09 |

| | CHROMIUM | BARIUM | STRONTIUM | BORON | LANTHANUM | BISMUTH |
|---|---|---|---|---|---|---|
| SAMPLE SIZE | 171 | 171 | 171 | 171 | 171 | 171 |
| AVERAGE | 3.81 | 22.25 | 6.07 | 2.40 | 7.59 | 0.0033 |
| MEDIAN | 2.16 | 8.17 | 3.36 | 1.30 | 5.22 | 0.0014 |
| MODE | 2.17 | 7.99 | 3.31 | 0.86 | 5.20 | 0.0006 |
| STANDARD DEVIATION | 4.96 | 36.57 | 8.78 | 3.34 | 7.60 | 0.0051 |
| MINIMUM | 0.15 | 1.29 | 0.08 | 0.01 | 0.16 | 0.0001 |
| MAXIMUM | 33.30 | 227.72 | 81.72 | 23.17 | 56.90 | 0.0349 |
| 97th PERCENTILE | 17.6 | 134 | 27 | 13.9 | 30 | 0.02 |

## DESCRIPTIVE NOTES

1. The fine sand fraction (0.06 - 0.3 mm) of till samples collected over northern Nova Scotia, map sheet 13, was separated using tetrabromethane (specific gravity = 2.96) and the heavy mineral separates analyzed for a series of 12 elements. The letter "a" after the sample number on the map represents the surface till and ensuing letters represent deeper till samples.

2. All the elements were analyzed by emission spectrography except Sn (iodide fusion) and W (colorimetry). The analyses were completed by the Minerals Engineering Centre, Nova Scotia.

3. All the heavy mineral analyses were initially weighted before the threshold levels were calculated. The weighted value is equal to the weight of the heavy minerals divided by the weight of the fine sand fraction and mulitiplied by the analytical value (Toverud, 1982). This procedure standardizes the analytical value to the total weight of heavy minerals in the sample. The weighted values are represented in the analyses list.

4. Basic statistics were completed on the weighted data. Anomalous values are taken to be greater than or equal to the 97th percentile of the cumulative frequency distribution. Anomalies are shown as bold numbers in the analyses list.

5. The "Anomaly Value" equals the weighted analytical value, greater than or equal to the threshold value (97th percentile), divided by the threshold value. The anomaly values are represented by star symbols. The spike length corresponds to the strength of the anomaly (refer to the anomaly value key). Anomalous samples are italicized on the map.

### ACKNOWLEDGMENTS

Map 13: Open File No. 88-051
Cartography: Maritime Resource Management Service, Amherst, Nova Scotia
Nova Scotia Department of Mines and Energy, Halifax, Nova Scotia
Geochemistry: R. G. Turner and R. R. Stea
Geology: Adapted from Geological Map of the Province of Nova Scotia, Nova Scotia Department of Mines and Energy, 1979, compiled by J. D. Keppie.

### REFERENCES

Toverud, O.
1982: Geochemical prospecting for tin in upper central Sweden using heavy-mineral concentrate of glacial till; *in* Prospecting in Areas of Glaciated Terrain, 1982, ed. P. H. Davenport; Canadian Institute of Mining and Metallurgy, p. 204-212.

## GEOCHEMICAL ANALYSES

| SAMPLE NUMBER | DEPTH (M) | FINE SAND (g) | HEAVY MINERAL (g) | W (ppm) | Sn (ppm) | Ge (ppm) | Ga (ppm) | In (ppm) | Ag (ppm) | Cr (ppm) | Ba (ppm) | Sr (ppm) | B (ppm) | La (ppm) | Bi (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T-85-146 | 1.0 | 611.6 | 8.75 | 0.129 | 0.229 | 0.058 | 0.372 | 0.012 | 0.0014 | 2.50 | 5.86 | 5.29 | 3.29 | 1.00 | 0.0014 |
| T-85-168 | 1.0 | 537.9 | 5.49 | 0.020 | 0.561 | 0.036 | 0.276 | 0.021 | 0.0010 | 1.48 | 3.57 | 5.10 | 0.66 | 3.27 | 0.0010 |
| T-85-171 | 1.5 | 732.4 | 47.57 | 0.065 | 0.324 | 0.188 | 1.688 | **0.097** | 0.0032 | 4.22 | 16.88 | 49.35 | 1.36 | 16.88 | 0.0065 |
| T-85-172 | 1.5 | 533.3 | 6.27 | 0.012 | 0.058 | 0.040 | 0.305 | 0.010 | 0.0006 | 2.46 | 5.64 | 9.40 | 0.54 | 3.88 | 0.0012 |
| T-85-173 | 1.0 | 785.6 | 6.25 | 0.024 | 0.039 | 0.025 | 0.278 | 0.008 | 0.0016 | 0.71 | 44.58 | 5.65 | 1.23 | 4.06 | 0.0008 |
| T-85-174 | 2.0 | 194.9 | 6.25 | 0.032 | 0.320 | 0.153 | 1.154 | 0.022 | 0.0096 | 3.04 | **227.71** | 22.77 | 4.81 | 10.26 | 0.0032 |
| T-85-175 | 1.0 | 260.3 | 2.31 | 0.009 | 0.613 | 0.031 | 0.195 | 0.002 | 0.0004 | 1.15 | 4.18 | 6.49 | 0.38 | 4.35 | 0.0009 |
| T-85-180 | 2.0 | 779.7 | 7.86 | 0.050 | 0.161 | 0.035 | 0.272 | 0.011 | 0.0010 | 2.21 | 5.23 | 5.03 | 2.72 | 9.06 | 0.0010 |
| T-85-182 | 1.0 | 929.8 | 5.33 | 0.034 | 0.458 | 0.017 | 0.091 | 0.002 | 0.0003 | 0.97 | 3.95 | 1.89 | 1.66 | 7.73 | 0.0006 |
| T-85-183 | 1.0 | 766.2 | 4.51 | 0.082 | 0.305 | 0.018 | 0.105 | 0.003 | 0.0003 | 0.94 | 3.70 | 2.17 | 1.29 | 9.40 | 0.0006 |
| T-85-184 | 1.8 | 828.9 | 7.82 | 0.019 | 0.047 | 0.031 | 0.179 | 0.006 | 0.0005 | 2.07 | 5.09 | 2.73 | 1.98 | 8.48 | 0.0009 |
| T-85-214 | 2.5 | 664.8 | 6.81 | 0.031 | 0.409 | 0.034 | 0.184 | 0.007 | 0.0010 | 1.12 | 101.38 | 4.71 | 3.48 | 11.77 | 0.0010 |
| T-86-002 | 1.0 | 392.0 | 4.99 | 0.025 | 0.063 | 0.028 | 0.267 | 0.011 | 0.0025 | 1.27 | 16.54 | 2.29 | 0.95 | 2.80 | 0.0013 |
| T-86-003 | 2.5 | 199.0 | 2.55 | 0.064 | 0.064 | 0.026 | 0.294 | 0.009 | 0.0051 | 1.66 | 48.65 | 2.81 | 0.57 | 4.35 | 0.0013 |
| T-86-004 | 2.0 | 858.0 | 11.88 | 0.042 | 0.069 | 0.031 | 0.332 | 0.006 | 0.0007 | 1.66 | 11.76 | 2.76 | 2.97 | 20.76 | 0.0014 |
| T-86-005 | 1.0 | 1008.0 | 9.17 | 0.055 | 0.045 | 0.025 | 0.145 | 0.007 | 0.0018 | 0.54 | 6.36 | 1.72 | 1.54 | 10.91 | 0.0009 |
| T-86-006 | 1.0 | 795.0 | 22.59 | 0.057 | 0.142 | 0.193 | 0.710 | 0.005 | 0.0114 | 3.55 | 10.23 | 1.42 | **15.06** | 0.56 | 0.0028 |
| T-86-007 | 1.5 | 837.0 | 8.39 | 0.020 | 0.050 | 0.048 | 0.270 | 0.003 | 0.0010 | 0.65 | 1.90 | 1.40 | 3.61 | 2.50 | 0.0090 |
| T-86-008 | 1.0 | 806.0 | 17.49 | 0.043 | 0.108 | 0.045 | 0.412 | 0.013 | 0.0011 | 1.73 | 7.59 | 4.12 | 1.38 | 4.77 | 0.0022 |
| T-86-009 | 1.5 | 692.0 | 14.96 | 0.065 | 0.108 | 0.051 | 0.518 | 0.019 | 0.0011 | 2.26 | 9.72 | 4.75 | 1.44 | 7.56 | 0.0022 |
| T-86-010 | 1.5 | 869.0 | 73.35 | 0.253 | 0.422 | 0.168 | 2.279 | 0.025 | 0.0042 | 6.33 | 59.08 | 7.59 | 6.75 | 6.75 | 0.0084 |
| T-86-011 | 1.5 | 588.0 | 9.00 | 0.061 | 0.076 | 0.036 | 0.413 | 0.013 | 0.0008 | 1.83 | 5.05 | 7.04 | 1.14 | 7.19 | 0.0015 |
| T-86-012 | 1.0 | 1044.0 | 13.45 | 0.039 | 0.064 | 0.028 | 0.206 | 0.005 | 0.0013 | 1.22 | 12.49 | 3.99 | 1.15 | 11.33 | 0.0013 |
| T-86-013 | 1.5 | 690.0 | 9.92 | 0.086 | 0.071 | 0.028 | 0.273 | 0.010 | 0.0007 | 1.00 | 8.19 | 4.16 | 1.00 | 12.07 | 0.0014 |
| T-86-014 | 3.0 | 543.0 | 12.40 | 0.046 | 0.114 | 0.059 | 0.639 | 0.016 | 0.0011 | 2.51 | 7.53 | 7.53 | 1.37 | 9.82 | 0.0023 |
| T-86-015 | 4.0 | 537.0 | 7.17 | 0.027 | 0.066 | 0.034 | 0.333 | 0.010 | 0.0007 | 1.60 | 6.67 | 4.13 | 0.53 | 8.80 | 0.0013 |
| T-86-016 | 1.0 | 588.0 | 11.85 | 0.040 | 0.100 | 0.046 | 0.423 | 0.020 | 0.0010 | 2.31 | 18.94 | 3.42 | 1.37 | 7.85 | 0.0020 |
| T-86-017 | 1.0 | 338.0 | 9.74 | 0.029 | 0.144 | 0.066 | 0.605 | 0.020 | 0.0014 | 3.16 | 12.67 | 6.62 | 1.29 | 10.37 | 0.0029 |
| T-86-018 | 1.5 | 583.0 | 17.90 | 0.061 | 0.153 | 0.064 | 0.521 | 0.018 | 0.0015 | 3.06 | 20.56 | 4.29 | 2.30 | 5.83 | 0.0031 |
| T-86-019 | 1.5 | 231.0 | 7.09 | 0.092 | 0.153 | 0.073 | 0.491 | 0.021 | 0.0015 | 4.91 | 21.19 | 3.37 | 1.68 | 6.14 | 0.0031 |
| T-86-022 | 1.0 | 653.0 | 30.54 | 0.094 | 0.233 | 0.112 | 1.028 | 0.051 | 0.0023 | 13.56 | 20.57 | 4.67 | 2.57 | 7.48 | 0.0047 |
| T-86-023 | 1.5 | 956.0 | 14.60 | 0.137 | 0.076 | 0.038 | 0.381 | 0.010 | 0.0061 | 1.14 | 16.79 | 2.44 | 1.29 | 6.71 | 0.0015 |
| T-86-024 | 1.5 | 530.0 | 42.18 | 0.080 | 0.397 | 0.143 | 1.830 | 0.055 | 0.0080 | **19.09** | 68.43 | **30.24** | 1.98 | 7.16 | 0.0080 |
| T-86-025 | 1.5 | 607.0 | 42.91 | 0.141 | 0.353 | 0.198 | 2.191 | 0.049 | 0.0035 | 12.72 | 22.62 | 14.14 | 3.11 | 25.45 | 0.0071 |
| T-86-026 | 1.5 | 576.0 | 8.23 | 0.057 | 0.071 | 0.040 | 0.386 | 0.018 | 0.0007 | 3.00 | 5.57 | 7.29 | 0.71 | 7.86 | 0.0014 |
| T-86-027 | 1.5 | 509.0 | 12.82 | 0.050 | 0.126 | 0.070 | 0.680 | 0.045 | 0.0013 | 4.66 | 11.08 | 4.28 | 0.85 | 5.29 | 0.0025 |
| T-86-028 | 1.0 | 414.0 | 9.78 | 0.047 | 0.118 | 0.061 | 0.543 | 0.021 | 0.0012 | 4.36 | 9.44 | 4.01 | 0.40 | 5.19 | 0.0024 |
| T-86-029 | 1.0 | 501.0 | 10.09 | 0.020 | 0.100 | 0.052 | 0.523 | 0.020 | 0.0010 | 3.42 | 6.44 | 8.46 | 0.80 | 7.05 | 0.0020 |
| T-86-030 | 1.5 | 230.0 | 8.35 | 0.036 | 0.181 | 0.112 | 0.980 | 0.047 | 0.0018 | 5.81 | 10.17 | 11.98 | 1.27 | 15.98 | 0.0036 |
| T-86-031 | 1.0 | 276.0 | 10.42 | 0.113 | 0.188 | 0.094 | 0.717 | 0.030 | 0.0019 | 7.92 | 9.05 | 16.98 | 1.32 | **31.70** | 0.0038 |
| T-86-033 | 2.0 | 570.0 | 13.17 | 0.023 | 0.115 | 0.064 | 0.485 | 0.025 | 0.0012 | 4.38 | 1.61 | 7.39 | 1.50 | 9.93 | 0.0023 |
| T-86-034 | 2.0 | 721.0 | 22.90 | 0.095 | 0.158 | 0.088 | 0.857 | 0.034 | 0.0016 | 4.76 | 6.66 | 14.92 | 1.74 | 10.16 | 0.0032 |
| T-86-035 | 1.0 | 439.0 | 39.95 | 0.091 | 0.455 | 0.182 | 2.548 | 0.009 | 0.0046 | 10.01 | 68.25 | 9.10 | 5.00 | 12.74 | 0.0091 |
| T-86-036 | 1.0 | 653.0 | 11.85 | 0.054 | 0.181 | 0.054 | 0.381 | 0.023 | 0.0009 | 2.72 | 7.07 | 3.44 | 0.90 | 4.35 | 0.0018 |
| T-86-037 | 1.0 | 465.0 | 35.32 | 0.228 | 0.379 | 0.189 | 2.126 | 0.060 | 0.0038 | 13.67 | 44.81 | 11.39 | 1.67 | 15.95 | 0.0076 |
| T-86-039 | 1.0 | 506.0 | 65.67 | 0.130 | 0.649 | 0.272 | **4.023** | 0.011 | 0.0065 | 9.73 | 103.83 | 16.87 | 4.54 | 15.57 | 0.0130 |
| T-86-040 | 1.0 | 408.0 | 6.30 | 0.046 | 0.077 | 0.030 | 0.370 | 0.013 | 0.0008 | 1.31 | 11.88 | 1.54 | 1.08 | 5.86 | 0.0015 |
| T-86-042 | 2.0 | 387.0 | 42.80 | 0.111 | 0.553 | 0.265 | 3.207 | 0.011 | 0.0055 | 8.29 | 132.71 | 11.05 | 5.52 | 14.37 | 0.0111 |
| T-86-043 | 1.5 | 277.0 | 9.98 | 0.036 | 0.360 | 0.079 | 0.864 | 0.007 | 0.0018 | 2.88 | 27.73 | 4.68 | 1.62 | 4.68 | 0.0036 |
| T-86-044 | 1.5 | 292.0 | 0.76 | 0.036 | 0.057 | 0.008 | 0.072 | 0.002 | 0.0001 | 0.44 | 3.55 | 0.44 | 0.25 | 2.20 | 0.0003 |
| T-86-045 | 1.0 | 363.0 | 4.41 | 0.049 | 0.267 | 0.029 | 0.182 | 0.006 | 0.0006 | 1.33 | 6.07 | 1.45 | 0.66 | 9.71 | 0.0012 |
| T-86-046 | 1.0 | 289.0 | 0.12 | 0.001 | 0.001 | 0.001 | 0.006 | 0.001 | 0.0001 | 0.15 | 4.81 | 0.08 | 0.01 | 0.16 | 0.0001 |
| T-86-047 | 0.8 | 319.0 | 1.29 | 0.016 | 0.020 | 0.013 | 0.093 | 0.004 | 0.0002 | 0.80 | 3.92 | 1.01 | 0.26 | 2.06 | 0.0004 |
| T-86-049 | 1.5 | 279.0 | 3.79 | 0.014 | 0.135 | 0.036 | 0.271 | 0.012 | 0.0007 | 2.24 | 9.10 | 1.22 | 1.29 | 8.15 | 0.0014 |
| T-86-050 | 1.0 | 420.0 | 2.40 | 0.006 | 0.028 | 0.017 | 0.125 | 0.004 | 0.0003 | 1.31 | 7.42 | 1.42 | 0.57 | 1.94 | 0.0006 |
| T-86-051 | 2.0 | 428.0 | 3.17 | 0.007 | 0.037 | 0.018 | 0.118 | 0.005 | 0.0004 | 1.85 | 2.73 | 1.03 | 0.70 | 4.66 | 0.0007 |
| T-86-052 | 1.0 | 354.0 | 23.57 | 0.067 | 0.333 | 0.166 | 1.198 | 0.066 | 0.0033 | **33.29** | 7.99 | 10.65 | 1.99 | 7.32 | 0.0067 |
| T-86-053 | 1.5 | 458.0 | 22.47 | 0.049 | 0.245 | 0.117 | 0.932 | 0.029 | 0.0025 | 13.24 | 9.32 | 20.11 | 1.32 | 9.32 | 0.0049 |
| T-86-054 | 1.5 | 249.0 | 0.95 | 0.057 | 0.019 | 0.007 | 0.038 | 0.000 | 0.0002 | 1.03 | 1.68 | 1.34 | 0.36 | 0.72 | 0.0004 |
| T-86-055 | 1.5 | 385.0 | 2.06 | 0.080 | 0.096 | 0.016 | 0.101 | 0.002 | 0.0003 | 1.39 | 2.29 | 2.29 | 0.88 | 2.62 | 0.0005 |
| T-86-056 | 1.5 | 303.0 | 2.85 | 0.122 | 0.169 | 0.028 | 0.197 | 0.005 | 0.0005 | 2.16 | 7.15 | 2.63 | 0.75 | 3.20 | 0.0009 |
| T-86-057 | 2.0 | 508.0 | 4.41 | 0.026 | 0.190 | 0.015 | 0.121 | 0.001 | 0.0174 | 0.65 | 12.75 | 1.12 | 0.47 | 4.33 | 0.0121 |
| T-86-058 | 1.0 | 154.0 | 0.33 | 0.001 | 0.010 | 0.003 | 0.010 | 0.001 | 0.0001 | 0.45 | 1.29 | 0.41 | 0.18 | 0.71 | 0.0006 |
| T-86-059 | 1.0 | 549.0 | 3.77 | 0.014 | 0.034 | 0.017 | 0.116 | 0.009 | 0.0007 | 1.30 | 4.12 | 0.96 | 0.41 | 1.65 | 0.0007 |
| T-86-060 | 1.0 | 552.0 | 4.74 | 0.009 | 0.386 | 0.026 | 0.197 | 0.007 | 0.0004 | 1.80 | 2.83 | 3.60 | 0.60 | 4.55 | 0.0009 |
| T-86-062 | 1.5 | 327.0 | 2.10 | 0.003 | 0.032 | 0.021 | 0.147 | 0.007 | 0.0003 | 1.67 | 3.66 | 1.99 | 0.89 | 1.28 | 0.0006 |
| T-86-063 | 1.0 | 355.0 | 4.68 | 0.026 | 0.066 | 0.051 | 0.277 | 0.006 | 0.0007 | 3.56 | 3.56 | 5.93 | 0.85 | 8.57 | 0.0013 |
| T-86-064 | 0.8 | 550.0 | 5.44 | 0.010 | 0.049 | 0.034 | 0.178 | 0.009 | 0.0005 | 4.25 | 1.88 | 3.46 | 1.03 | 1.88 | 0.0010 |
| T-86-065 | 2.0 | 588.0 | 4.95 | 0.008 | 0.185 | 0.027 | 0.151 | 0.005 | 0.0017 | 2.52 | 2.27 | 3.36 | 0.96 | 2.35 | 0.0008 |
| T-86-066 | 1.5 | 693.0 | 10.27 | 0.015 | 0.148 | 0.053 | 0.311 | 0.014 | 0.0007 | 2.96 | 3.40 | 7.85 | 1.18 | 7.40 | 0.0015 |
| T-86-067 | 2.0 | 1044.0 | 12.04 | 0.012 | 0.057 | 0.042 | 0.230 | 0.006 | 0.0006 | 4.84 | 2.99 | 4.95 | 1.84 | 8.64 | 0.0012 |
| T-86-068 | 1.0 | 408.0 | 1.76 | 0.002 | 0.021 | 0.015 | 0.090 | 0.002 | 0.0002 | 1.16 | 2.02 | 2.54 | 0.71 | 2.41 | 0.0004 |
| T-86-069 | 1.0 | 497.0 | 2.65 | 0.005 | 0.026 | 0.020 | 0.112 | 0.004 | 0.0003 | 1.38 | 4.53 | 1.86 | 1.20 | 1.86 | 0.0005 |
| T-86-071 | 1.5 | 901.0 | 17.97 | 0.010 | 0.099 | 0.077 | 0.438 | 0.019 | 0.0060 | 4.98 | 16.94 | 9.77 | 1.49 | 3.19 | 0.0020 |
| T-86-072 | 1.0 | 480.0 | 4.92 | 0.021 | 0.051 | 0.041 | 0.225 | 0.010 | 0.0005 | 2.05 | 4.30 | 4.51 | 1.28 | 1.84 | 0.0010 |
| T-86-073 | 1.0 | 963.0 | 7.08 | 0.022 | 0.036 | 0.025 | 0.139 | 0.005 | 0.0004 | 1.54 | 1.76 | 3.30 | 0.69 | 2.79 | 0.0007 |
| T-86-074 | 1.0 | 774.0 | 12.15 | 0.063 | 0.078 | 0.054 | 0.298 | 0.009 | 0.0008 | 5.18 | 5.33 | 7.06 | 0.70 | 2.19 | 0.0016 |
| T-86-075 | 1.0 | 466.0 | 5.03 | 0.162 | 0.054 | 0.034 | 0.194 | 0.002 | 0.0005 | 4.32 | **142.56** | 10.80 | 0.86 | 2.37 | 0.0011 |
| T-86-076 | 4.0 | 206.0 | 1.63 | 0.032 | 0.039 | 0.025 | 0.134 | 0.010 | 0.0048 | 1.50 | 98.23 | 5.22 | 0.83 | 3.64 | 0.0008 |
| T-86-077 | 3.0 | 1005.0 | 6.70 | 0.020 | 0.033 | 0.022 | 0.100 | 0.003 | 0.0040 | 1.19 | 65.32 | 3.46 | 1.23 | 2.86 | 0.0047 |
| T-86-078 | 2.5 | 561.0 | 3.69 | 0.099 | 0.138 | 0.024 | 0.105 | 0.004 | 0.0003 | 1.97 | 90.79 | 2.96 | 1.25 | 4.40 | 0.0007 |
| T-86-079 | 1.0 | 1432.0 | 6.10 | 0.009 | 0.021 | 0.014 | 0.059 | 0.003 | 0.0002 | 1.36 | 3.06 | 1.10 | 0.87 | 2.76 | 0.0004 |
| T-86-080 | 1.0 | 600.0 | 3.63 | 0.018 | 0.030 | 0.024 | 0.114 | 0.001 | 0.0012 | 1.33 | 65.34 | 3.44 | 1.57 | 3.20 | 0.0006 |
| T-86-082 | 1.0 | 1155.0 | 16.80 | 0.102 | 0.072 | 0.046 | 0.334 | 0.014 | 0.0007 | 2.91 | 6.25 | 6.11 | 2.25 | 17.45 | 0.0015 |
| T-86-083 | 1.5 | 1042.0 | 4.91 | 0.005 | 0.075 | 0.014 | 0.070 | 0.001 | 0.0002 | 1.03 | 36.29 | 1.79 | 1.17 | 2.78 | 0.0005 |
| T-86-084 | 1.0 | 475.0 | 39.25 | 0.083 | 0.413 | 0.140 | 1.652 | 0.066 | 0.0041 | 4.95 | 38.83 | 8.26 | 8.67 | 1.65 | 0.0083 |
| T-86-085 | 1.0 | 532.0 | 8.84 | 0.017 | 0.083 | 0.041 | 0.332 | 0.005 | 0.0008 | 1.66 | 7.47 | 5.48 | 1.74 | 3.15 | 0.0017 |
| T-86-086 | 1.0 | 498.0 | 3.88 | 0.023 | 0.038 | 0.024 | 0.186 | 0.006 | 0.0004 | 1.08 | 5.36 | 1.78 | 1.08 | 2.95 | 0.0008 |
| T-86-088 | 1.5 | 486.0 | 4.30 | 0.053 | 0.044 | 0.021 | 0.150 | 0.004 | 0.0004 | 1.06 | 3.54 | 0.79 | 1.85 | 5.31 | **0.0310** |
| T-86-089 | 1.0 | 459.0 | 3.29 | 0.014 | 0.071 | 0.018 | 0.078 | 0.002 | 0.0004 | 0.93 | 2.87 | 1.86 | 2.58 | 3.44 | 0.0007 |
| T-86-090 | 1.5 | 925.0 | 6.03 | 0.013 | 0.032 | 0.020 | 0.097 | 0.003 | 0.0003 | 0.71 | 1.56 | 1.62 | 1.72 | 1.30 | 0.0007 |
| T-86-091 | 1.5 | 1424.0 | 10.43 | 0.007 | 0.036 | 0.030 | 0.124 | 0.005 | 0.0004 | 1.31 | 1.31 | 2.12 | 1.06 | 3.58 | 0.0007 |
| T-86-092 | 1.5 | 642.0 | 3.83 | 0.006 | 0.029 | 0.018 | 0.083 | 0.004 | 0.0003 | 0.77 | 2.20 | 0.77 | 1.01 | 3.93 | 0.0006 |
| T-86-093 | 2.0 | 553.0 | 3.49 | 0.006 | 0.031 | 0.016 | 0.113 | 0.002 | 0.0013 | 0.53 | 13.88 | 0.50 | 0.88 | 2.33 | 0.0006 |
| T-86-094 | 2.0 | 578.0 | 4.36 | 0.083 | 0.037 | 0.024 | 0.135 | 0.005 | 0.0004 | 1.35 | 2.56 | 3.16 | 1.50 | 7.84 | 0.0008 |
| T-86-095 | 2.0 | 742.0 | 15.45 | 0.208 | 0.104 | 0.068 | 0.374 | 0.012 | 0.0010 | 3.33 | 11.24 | 6.66 | 3.22 | 22.48 | 0.0021 |
| T-86-096 | 1.0 | 351.0 | 2.23 | 0.070 | 0.063 | 0.018 | 0.101 | 0.004 | 0.0003 | 0.69 | 6.93 | 1.65 | 1.97 | 4.45 | 0.0006 |
| T-86-097 | 3.0 | 624.0 | 10.20 | 0.016 | 0.081 | 0.040 | 0.228 | 0.004 | 0.0008 | 1.96 | 133.98 | 4.90 | 3.83 | 12.25 | 0.0016 |
| T-86-098 | 2.0 | 751.0 | 3.69 | 0.010 | 0.024 | 0.016 | 0.054 | 0.002 | 0.0002 | 0.63 | 51.09 | 2.84 | 1.00 | 5.35 | 0.0005 |
| T-86-099 | 3.0 | 521.0 | 2.05 | 0.024 | 0.236 | 0.013 | 0.055 | 0.002 | 0.0002 | 0.66 | 41.37 | 1.30 | 0.76 | 3.03 | 0.0004 |
| T-86-100 | 3.0 | 1057.0 | 4.96 | 0.009 | 0.023 | 0.016 | 0.079 | 0.002 | 0.0014 | 0.75 | 10.32 | 1.07 | 1.00 | 3.00 | 0.0005 |
| T-86-102 | 1.0 | 423.0 | 3.04 | 0.007 | 0.165 | 0.017 | 0.086 | 0.002 | 0.0004 | 1.50 | 40.20 | 2.58 | 1.43 | 6.24 | 0.0007 |
| T-86-103 | 1.0 | 714.0 | 5.64 | 0.008 | 0.039 | 0.025 | 0.173 | 0.005 | 0.0004 | 1.42 | 3.08 | 1.97 | 2.05 | 5.21 | 0.0008 |
| T-86-104 | 1.0 | 636.0 | 6.42 | 0.010 | 0.050 | 0.035 | 0.232 | 0.009 | 0.0005 | 2.42 | 3.63 | 3.12 | 0.85 | 4.74 | 0.0010 |
| T-86-105 | 5.0 | 705.0 | 7.69 | 0.033 | 0.054 | 0.031 | 0.327 | 0.018 | 0.0005 | 1.20 | 2.07 | 2.61 | 0.87 | 6.00 | 0.0011 |
| T-86-106 | 1.0 | 1116.0 | 44.60 | 0.040 | 0.199 | 0.087 | 1.199 | 0.004 | 0.0020 | 4.79 | 24.78 | 2.99 | 6.99 | 9.19 | 0.0040 |
| T-86-107 | 1.0 | 804.0 | 7.50 | 0.056 | 0.046 | 0.030 | 0.214 | 0.012 | 0.0005 | 2.33 | 3.07 | 1.95 | 1.49 | 8.48 | 0.0009 |
| T-86-108 | 1.0 | 644.0 | 3.34 | 0.036 | 0.025 | 0.018 | 0.108 | 0.004 | 0.0003 | 0.98 | 1.76 | 1.66 | 0.83 | 5.49 | 0.0005 |
| T-86-109 | 1.5 | 521.0 | 8.84 | 0.017 | 0.084 | 0.044 | 0.356 | 0.010 | 0.0008 | 2.20 | 9.67 | 3.73 | 1.52 | 8.48 | 0.0017 |
| T-86-110 | 1.5 | 481.0 | 1.87 | 0.012 | 0.038 | 0.012 | 0.085 | 0.002 | 0.0002 | 0.81 | 1.66 | 0.85 | 0.62 | 2.48 | 0.0004 |
| T-86-111 | 1.0 | 473.0 | 2.15 | 0.018 | 0.022 | 0.014 | 0.095 | 0.002 | 0.0002 | 0.81 | 1.63 | 1.13 | 0.43 | 2.26 | 0.0005 |
| T-86-112 | 3.0 | 516.0 | 10.84 | 0.126 | 0.105 | 0.048 | 0.420 | 0.012 | 0.0011 | 2.52 | 18.27 | 1.89 | 1.89 | 6.30 | 0.0021 |
| T-86-113 | 1.5 | 1142.0 | 7.72 | 0.041 | 0.067 | 0.018 | 0.135 | 0.006 | 0.0003 | 2.50 | 1.89 | 1.21 | 0.64 | 4.19 | 0.0007 |
| T-86-114 | 1.0 | 486.0 | 2.87 | 0.088 | 0.129 | 0.018 | 0.135 | 0.006 | 0.0003 | 0.94 | 2.59 | 1.29 | 0.50 | 3.12 | 0.0006 |
| T-86-115 | 1.5 | 420.0 | 2.98 | 0.092 | 0.035 | 0.019 | 0.120 | 0.002 | 0.0004 | 1.56 | 3.40 | 1.98 | 1.17 | 4.40 | 0.0007 |
| T-86-116 | 1.0 | 399.0 | 17.48 | **0.438** | 0.219 | 0.070 | 0.700 | 0.003 | 0.0022 | 4.16 | 33.72 | 6.13 | 7.88 | 14.45 | 0.0044 |
| T-86-117 | 1.0 | 662.0 | 6.79 | 0.051 | 0.051 | 0.030 | 0.195 | 0.008 | 0.0005 | 1.53 | 3.28 | 3.48 | 1.43 | 6.46 | 0.0010 |
| T-86-118 | 1.0 | 550.0 | 5.17 | 0.066 | 0.047 | 0.032 | 0.188 | 0.009 | 0.0005 | 2.53 | 3.00 | 2.91 | 1.64 | 4.60 | 0.0009 |
| T-86-119 | 3.0 | 476.0 | 5.61 | 0.012 | 0.059 | 0.027 | 0.129 | 0.001 | 0.0006 | 1.12 | **224.04** | 3.89 | 0.53 | 3.06 | 0.0012 |
| T-86-122 | 2.0 | 214.0 | 1.21 | 0.006 | 0.028 | 0.014 | 0.062 | 0.000 | 0.0003 | 0.33 | 1.29 | 0.25 | 0.18 | 11.83 | 0.0006 |
| T-86-123 | 10.0 | 314.0 | 4.96 | 0.016 | 0.079 | 0.041 | 0.205 | 0.011 | 0.0008 | 1.73 | **162.73** | 5.37 | 1.26 | 6.63 | 0.0016 |
| T-86-124 | 1.5 | 1095.0 | 60.09 | 0.055 | 0.274 | 0.109 | 0.932 | 0.005 | 0.0027 | 5.21 | 38.41 | 7.13 | 3.84 | 4.93 | 0.0055 |
| T-86-126 | 1.5 | 467.0 | 4.18 | 0.125 | 0.044 | 0.028 | 0.206 | 0.009 | 0.0004 | 1.52 | 3.04 | 2.86 | 1.88 | 3.22 | 0.0009 |
| T-86-127 | 2.0 | 548.0 | 23.72 | 0.173 | 0.216 | 0.116 | 0.432 | 0.026 | 0.0022 | 5.62 | 12.55 | 8.22 | 2.38 | 8.65 | 0.0043 |
| T-86-128 | 1.5 | 398.0 | 4.20 | 0.011 | 0.052 | 0.026 | 0.232 | 0.009 | 0.0005 | 1.10 | 3.27 | 1.37 | 1.10 | 0.84 | 0.0158 |
| T-86-129 | 1.5 | 672.0 | 14.84 | 0.088 | 0.110 | 0.059 | 0.419 | 0.013 | 0.0011 | 3.31 | 8.17 | 10.60 | 1.10 | 8.61 | 0.0022 |
| T-86-130 | 1.5 | 498.0 | 2.97 | 0.089 | 0.029 | 0.019 | 0.131 | 0.006 | 0.0018 | 0.95 | 2.97 | 1.49 | 0.80 | 2.86 | 0.0006 |
| T-86-131 | 1.0 | 793.0 | 5.50 | 0.090 | 0.034 | 0.022 | 0.118 | 0.004 | 0.0003 | 0.97 | 2.29 | 2.22 | 1.07 | 5.55 | 0.0007 |
| T-86-132 | 1.5 | 649.0 | 3.76 | 0.058 | 0.029 | 0.022 | 0.133 | 0.005 | 0.0347 | 0.63 | 8.68 | 2.02 | 0.46 | 3.76 | 0.0006 |
| T-86-133 | 1.0 | 857.0 | 8.15 | 0.095 | 0.047 | 0.028 | 0.152 | 0.014 | 0.0005 | 3.04 | 3.23 | 3.42 | 0.99 | 2.94 | 0.0010 |
| T-86-134 | 1.5 | 656.0 | 46.02 | 0.140 | 0.350 | 0.168 | 1.332 | 0.035 | 0.0035 | 5.61 | 31.56 | 11.92 | 2.10 | 16.83 | 0.0070 |
| T-86-135 | 2.0 | 811.0 | 28.31 | 0.035 | 0.174 | 0.073 | 0.488 | 0.010 | 0.0017 | 5.23 | 8.37 | 16.40 | 1.18 | 9.07 | **0.0349** |
| T-86-136 | 1.0 | 622.0 | 67.77 | 0.109 | 0.544 | 0.239 | 1.852 | 0.065 | 0.0054 | 17.43 | 82.80 | **81.71** | 2.83 | 20.70 | 0.0109 |
| T-86-137 | 1.5 | 920.0 | 52.44 | 0.057 | 0.285 | 0.136 | 1.140 | **0.074** | 0.0029 | 7.98 | 23.94 | **29.64** | 1.99 | **34.77** | 0.0057 |
| T-86-138 | 1.0 | 697.0 | 18.18 | **0.365** | 0.130 | 0.067 | 0.417 | 0.005 | 0.0013 | 3.39 | 7.56 | 13.56 | 3.91 | 8.60 | 0.0026 |
| T-86-139 | 1.0 | 738.0 | 17.82 | **0.266** | 0.120 | 0.055 | 0.241 | 0.002 | 0.0012 | 3.62 | 13.27 | 15.69 | 0.96 | 16.89 | 0.0024 |
| T-86-140 | 6.0 | 618.0 | 17.64 | 0.143 | **0.827** | 0.048 | 0.171 | 0.002 | 0.0014 | 3.71 | 14.55 | 11.70 | 0.77 | 6.85 | 0.0029 |
| T-86-142 | 1.5 | 716.0 | 29.04 | 0.081 | 0.202 | 0.101 | 0.811 | 0.040 | 0.0020 | 8.92 | 28.38 | 26.76 | 2.63 | 19.87 | 0.0041 |
| T-86-143 | 1.5 | 900.0 | 128.88 | 0.143 | 0.716 | **0.859** | 2.577 | 0.028 | 0.0716 | 17.18 | 37.23 | 17.18 | 8.59 | **40.09** | 0.0143 |
| T-86-144 | 2.0 | 641.0 | 115.56 | 0.180 | **0.901** | **1.099** | **3.425** | 0.036 | **0.1262** | **21.63** | 75.72 | 11.71 | **16.22** | 23.43 | **0.0180** |
| T-86-145 | 1.5 | 776.0 | 213.33 | **0.275** | **1.374** | **1.512** | **6.872** | **0.192** | **0.5498** | **32.98** | 41.23 | 6.04 | 9.62 | 21.99 | **0.0275** |
| T-86-146 | 1.0 | 1718.0 | 331.84 | **0.193** | **0.965** | **1.197** | **4.056** | 0.038 | 0.0966 | 17.38 | 23.17 | 2.89 | **23.17** | 3.86 | **0.0193** |
| T-86-148 | 1.0 | 628.0 | 3.48 | 0.078 | 0.055 | 0.016 | 0.094 | 0.003 | 0.0003 | 1.49 | 1.38 | 2.33 | 0.72 | 6.26 | 0.0006 |
| T-86-149 | 1.0 | 790.0 | 8.12 | 0.123 | 0.051 | 0.027 | 0.133 | 0.008 | 0.0005 | 2.15 | 1.95 | 2.15 | 1.12 | 4.93 | 0.0010 |
| T-86-151 | 2.0 | 910.0 | 24.41 | 0.107 | 0.134 | 0.067 | 0.482 | 0.018 | 0.0013 | 3.75 | 11.53 | 8.04 | 2.81 | 8.85 | 0.0027 |
| T-86-152 | 1.0 | 582.0 | 57.62 | 0.099 | 0.495 | 0.613 | 2.475 | 0.019 | **0.0990** | 10.89 | 8.91 | 1.88 | 7.92 | 1.98 | 0.0099 |
| T-86-153 | 2.0 | 1294.0 | 92.03 | 0.142 | 0.355 | 0.113 | 0.853 | 0.006 | 0.0036 | 9.24 | 26.31 | 2.84 | 2.84 | 4.26 | 0.0071 |
| T-86-154 | 1.5 | 951.0 | 77.34 | 0.081 | 0.406 | 0.154 | 1.789 | 0.032 | 0.0041 | 9.75 | 56.92 | 15.45 | 2.84 | 4.87 | 0.0081 |
| T-86-155 | 1.0 | 741.0 | 42.17 | 0.057 | 0.284 | 0.136 | 1.138 | 0.034 | 0.0028 | 9.67 | 29.02 | 24.46 | 1.70 | **56.90** | 0.0057 |
| T-86-156 | 2.0 | 499.0 | 15.37 | 0.031 | 0.154 | 0.077 | 0.677 | 0.015 | 0.0015 | 4.61 | 13.85 | 16.01 | 0.92 | 24.33 | 0.0031 |
| T-86-157 | 2.0 | 1155.0 | 13.80 | 0.024 | 0.059 | 0.055 | 0.274 | 0.002 | 0.0024 | 1.43 | 4.53 | 2.98 | 3.70 | 2.50 | 0.0012 |
| T-86-158 | 1.5 | 882.0 | 56.64 | 0.128 | 0.321 | 0.276 | 1.220 | 0.012 | 0.0450 | 4.17 | 15.41 | 7.06 | 10.91 | 7.06 | 0.0064 |
| T-86-159 | 4.0 | 957.0 | 22.01 | 0.046 | 0.689 | 0.052 | 0.368 | 0.018 | 0.0011 | 3.90 | 18.62 | 3.44 | 1.14 | 2.75 | 0.0023 |
| T-86-160 | 1.0 | 677.0 | 2.51 | 0.030 | 0.055 | 0.011 | 0.059 | 0.001 | 0.0002 | 0.48 | 2.66 | 1.18 | 0.51 | 4.81 | 0.0004 |
| T-86-162 | 2.0 | 533.0 | 2.82 | 0.021 | 0.052 | 0.019 | 0.105 | 0.003 | 0.0003 | 0.84 | 10.05 | 1.58 | 1.03 | 4.60 | 0.0005 |
| T-86-163 | 2.0 | 666.0 | 2.60 | 0.031 | 0.082 | 0.013 | 0.074 | 0.002 | 0.0002 | 0.62 | 3.91 | 0.93 | 0.58 | 3.40 | 0.0004 |
| T-86-167 | 15.0 | 1715.0 | 10.79 | 0.019 | 0.062 | 0.020 | 0.100 | 0.003 | 0.0013 | 0.94 | 54.11 | 3.27 | 1.00 | 7.23 | 0.0006 |
| T-86-194 | 1.5 | 1046.0 | 62.47 | 0.179 | 0.298 | 0.400 | 1.672 | 0.023 | 0.0358 | 6.56 | 8.95 | 1.19 | **18.51** | 4.77 | 0.0060 |
| T-86-195 | 1.5 | 981.0 | 11.04 | 0.011 | 0.056 | 0.058 | 0.360 | 0.004 | 0.0034 | 1.46 | 2.92 | 0.59 | 1.96 | 3.26 | 0.0011 |
| T-86-198 | 1.0 | 770.0 | 5.43 | 0.028 | 0.070 | 0.020 | 0.091 | 0.004 | 0.0071 | 0.81 | 78.96 | 3.52 | 0.66 | 6.34 | 0.0007 |
| T-86-199 | 2.0 | 678.0 | 14.28 | 0.042 | 0.105 | 0.090 | 0.421 | 0.008 | 0.0126 | 2.31 | 7.37 | 2.10 | 3.26 | 1.47 | 0.0021 |
| T-86-200 | 1.5 | 941.0 | 6.71 | 0.007 | 0.035 | 0.026 | 0.092 | 0.005 | 0.0004 | 1.14 | 2.35 | 0.85 | 1.42 | 2.92 | 0.0007 |
| T-86-202 | 1.5 | 481.0 | 27.18 | 0.057 | 0.282 | 0.378 | 1.243 | 0.005 | **0.1695** | 5.36 | 7.91 | 3.10 | 7.34 | 1.13 | 0.0057 |
| T-86-204 | 1.0 | 824.0 | 16.57 | 0.020 | 0.100 | 0.048 | 0.361 | 0.022 | 0.0010 | 2.51 | 6.63 | 1.24 | 2.51 | 1.60 | 0.0020 |
| T-86-205 | 1.5 | 1280.0 | 64.58 | 0.050 | 0.252 | 0.267 | 1.160 | 0.020 | 0.0353 | 6.55 | 10.59 | 3.12 | 13.87 | 29.76 | 0.0050 |
| T-86-206 | 1.5 | 1126.0 | 66.10 | 0.059 | 0.293 | 0.322 | 1.643 | 0.035 | 0.0176 | 5.87 | 16.43 | 0.76 | 12.91 | 8.80 | 0.0059 |
| T-86-207 | 3.0 | 780.0 | 13.00 | 0.100 | 0.083 | 0.078 | 0.466 | 0.010 | 0.0033 | 2.16 | 4.16 | 1.83 | 3.83 | 5.16 | 0.0017 |
| T-86-208 | 3.0 | 826.0 | 10.22 | 0.049 | 0.061 | 0.061 | 0.259 | 0.007 | 0.0037 | 3.09 | 2.84 | 0.71 | 2.04 | 4.08 | 0.0012 |
| T-86-209 | 1.5 | 495.0 | 4.54 | 0.064 | 0.091 | 0.022 | 0.192 | 0.005 | 0.0005 | 2.56 | 2.01 | 4.76 | 1.23 | 4.12 | 0.0009 |
| T-86-210 | 1.0 | 531.0 | 19.93 | 0.038 | 0.375 | 0.093 | 0.975 | 0.022 | 0.0019 | 5.62 | 16.51 | 18.38 | 1.68 | 6.00 | 0.0038 |
| T-86-211 | 1.0 | 1301.0 | 21.43 | 0.033 | 0.082 | 0.037 | 0.345 | 0.013 | 0.0008 | 1.15 | 10.70 | 2.79 | 2.47 | 7.90 | 0.0016 |

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