## AllData
| SampleName | Sample | Site | SampleNumber | PointCount | LineNumber | Zone | TransectDistance | SiO2 | Al2O3 | FeO | CoO | NiO | Cu2O | MnO | MgO | CaO | SrO | Na2O | CO2 | Total |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 1 | 348 | Z1 | 0.000 | 0.032853 | 0.000000 | 0.053442 | 0.000000 | 0.000000 | 0.000000 | 0.025214 | 20.177100 | 31.446200 | 0.227971 | 0.142644 | 47.5281 | 99.633524 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 2 | 351 | Z1 | 1158.000 | 0.000000 | 0.000000 | 0.059913 | 0.000000 | 0.000000 | 0.000000 | 0.022648 | 20.740700 | 30.475200 | 0.269027 | 0.158538 | 47.6808 | 99.406826 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 3 | 352 | Z1 | 1544.010 | 0.046555 | 0.000000 | 0.452331 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 20.633900 | 31.220600 | 0.079910 | 0.058268 | 47.4794 | 99.970964 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 4 | 355 | Z2 | 2703.010 | 0.000000 | 0.000000 | 0.122919 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.670455 | 54.403200 | 0.036988 | 0.000000 | 44.2350 | 99.468562 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 5 | 356 | Z2 | 3089.010 | 0.118215 | 0.000000 | 0.050226 | 0.000000 | 0.000000 | 0.000000 | 0.022049 | 0.455004 | 55.874600 | 0.047045 | 0.000000 | 43.9193 | 100.486439 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 6 | 357 | Z2 | 3475.020 | 0.000000 | 0.000000 | 0.047825 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.449184 | 56.169700 | 0.078140 | 0.000000 | 43.8419 | 100.586749 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 7 | 358 | Z2 | 3861.020 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.449875 | 55.545500 | 0.117609 | 0.000000 | 43.9985 | 100.111484 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 8 | 359 | Z3 | 4247.020 | 0.000000 | 0.000000 | 0.137996 | 0.000000 | 0.000000 | 0.000000 | 0.021476 | 0.533942 | 55.289400 | 0.000000 | 0.000000 | 44.0403 | 100.023114 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 9 | 360 | Z3 | 4633.020 | 1.857980 | 0.828808 | 0.178123 | 0.000000 | 0.000000 | 0.000000 | 0.021227 | 19.096000 | 28.121800 | 0.274255 | 0.278661 | 48.4457 | 99.102554 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 10 | 361 | Z3 | 5019.020 | 0.000000 | 0.000000 | 0.053169 | 0.000000 | 0.000000 | 0.000000 | 0.024813 | 21.002300 | 30.716500 | 0.341681 | 0.176702 | 47.5439 | 99.859065 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 11 | 362 | Z3 | 5405.020 | 0.024570 | 0.000000 | 0.067851 | 0.000000 | 0.000000 | 0.000000 | 0.020785 | 20.785400 | 31.170400 | 0.312920 | 0.160672 | 47.4708 | 100.013398 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 12 | 365 | Z3 | 6564.030 | 0.287837 | 0.140810 | 0.068975 | 0.022129 | 0.000000 | 0.000000 | 0.024322 | 20.746500 | 30.954600 | 0.291164 | 0.161522 | 47.5268 | 100.224659 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 13 | 366 | Z3 | 6950.030 | 5.551650 | 0.296938 | 0.177921 | 0.000000 | 0.000000 | 0.000000 | 0.024192 | 17.043400 | 27.619500 | 0.198310 | 0.156939 | 48.9953 | 100.064150 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 14 | 368 | Z3 | 7722.040 | 0.000000 | 0.000000 | 0.072032 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.416564 | 55.800200 | 0.078015 | 0.000000 | 43.9281 | 100.294911 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 15 | 369 | Z3 | 8108.040 | 0.000000 | 0.000000 | 0.107167 | 0.000000 | 0.000000 | 0.000000 | 0.023747 | 0.396211 | 55.888400 | 0.052680 | 0.000000 | 43.9043 | 100.372505 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 16 | 370 | Z3 | 8494.040 | 0.043624 | 0.000000 | 0.085852 | 0.000000 | 0.000000 | 0.000000 | 0.021379 | 1.867550 | 54.263100 | 0.000000 | 0.017009 | 44.1462 | 100.444714 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 17 | 371 | Z3 | 8880.040 | 0.175738 | 0.044690 | 0.068590 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.684600 | 30.050300 | 0.235168 | 0.155919 | 47.9616 | 98.376605 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 18 | 373 | Z3 | 9653.040 | 0.596914 | 0.119679 | 0.115254 | 0.000000 | 0.000000 | 0.000000 | 0.017877 | 20.070200 | 31.267400 | 0.214335 | 0.201516 | 47.5524 | 100.155575 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 19 | 374 | Z3 | 10039.000 | 0.063084 | 0.035383 | 0.135345 | 0.000000 | 0.000000 | 0.000000 | 0.018232 | 20.078300 | 31.564000 | 0.214735 | 0.156948 | 47.4743 | 99.740327 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 20 | 375 | Z3 | 10425.100 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.665400 | 31.905600 | 0.292819 | 0.172367 | 47.4486 | 99.484786 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 21 | 376 | Z3 | 10811.100 | 0.000000 | 0.000000 | 0.095168 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.819200 | 31.900800 | 0.225006 | 0.148308 | 47.4431 | 99.631582 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 22 | 378 | Z3 | 11583.100 | 0.068342 | 0.029071 | 0.854381 | 0.000000 | 0.000000 | 0.000000 | 0.017506 | 19.396900 | 31.703200 | 0.226682 | 0.077056 | 47.3111 | 99.684238 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 23 | 379 | Z3 | 11969.100 | 0.035459 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.630700 | 33.282400 | 0.213827 | 0.154716 | 47.1280 | 100.445102 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 24 | 380 | Z3 | 12355.100 | 0.000000 | 0.000000 | 0.073664 | 0.000000 | 0.000000 | 0.000000 | 0.021337 | 19.915700 | 31.737100 | 0.237843 | 0.161154 | 47.4605 | 99.607298 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 25 | 381 | Z3 | 12741.100 | 0.097699 | 0.000000 | 0.070592 | 0.000000 | 0.000000 | 0.000000 | 0.020411 | 19.770100 | 32.414200 | 0.210975 | 0.169752 | 47.3134 | 100.067129 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 26 | 382 | Z3 | 13127.100 | 0.000000 | 0.000000 | 0.042152 | 0.000000 | 0.000000 | 0.000000 | 0.022582 | 19.894200 | 32.198300 | 0.215402 | 0.162503 | 47.3631 | 99.898239 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 27 | 384 | Z3 | 13900.100 | 0.084808 | 0.000000 | 0.084912 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 20.287600 | 30.476000 | 0.239117 | 0.148474 | 47.7554 | 99.076311 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 28 | 385 | Z4 | 14286.100 | 1.907870 | 0.660549 | 0.164411 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 3.278310 | 48.518700 | 0.067778 | 0.026217 | 45.4011 | 100.024935 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 29 | 386 | Z4 | 14672.100 | 5.139670 | 1.728510 | 0.244234 | 0.000000 | 0.000000 | 0.000000 | 0.022055 | 13.116700 | 28.259700 | 0.199700 | 0.100276 | 49.3320 | 98.142845 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 30 | 387 | Z4 | 15058.100 | 0.000000 | 0.000000 | 0.113004 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.560739 | 56.998400 | 0.000000 | 0.000000 | 43.6618 | 101.333943 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 31 | 390 | Z4 | 16216.100 | 0.113775 | 0.032647 | 0.096008 | 0.000000 | 0.000000 | 0.000000 | 0.025359 | 20.755300 | 31.686100 | 0.213526 | 0.183185 | 47.3557 | 100.461600 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 32 | 391 | Z4 | 16602.100 | 0.084925 | 0.000000 | 0.231495 | 0.000000 | 0.000000 | 0.000000 | 0.031424 | 20.074100 | 31.213300 | 0.188897 | 0.144467 | 47.5441 | 99.512708 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 33 | 392 | Z4 | 16988.100 | 0.439678 | 0.125761 | 0.081506 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.978300 | 31.765600 | 0.209781 | 0.252666 | 47.4390 | 100.292292 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 34 | 394 | Z4 | 17761.100 | 0.000000 | 0.000000 | 0.287734 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 18.993300 | 32.921400 | 0.224630 | 0.187747 | 47.2026 | 99.817411 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 35 | 395 | Z4 | 18147.100 | 0.020749 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.572492 | 54.578000 | 0.269406 | 0.031772 | 44.1261 | 99.598519 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 36 | 396 | Z4 | 18533.100 | 0.000000 | 0.000000 | 0.021163 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.332938 | 56.771600 | 0.139457 | 0.000000 | 43.7090 | 100.974158 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 37 | 397 | Z4 | 18919.100 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 4.158500 | 48.785900 | 0.354298 | 0.165445 | 45.0674 | 98.531543 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 38 | 399 | Z4 | 19691.100 | 0.158022 | 0.026271 | 0.058056 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 18.126300 | 32.383600 | 0.228138 | 0.221436 | 47.5410 | 98.742823 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 39 | 402 | Z4 | 20849.100 | 0.000000 | 0.000000 | 0.037484 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.548800 | 32.565900 | 0.262508 | 0.245839 | 47.2758 | 99.936331 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 40 | 403 | Z4 | 21236.100 | 0.000000 | 0.000000 | 0.157993 | 0.019276 | 0.000000 | 0.000000 | 0.016165 | 19.342600 | 31.607800 | 0.200817 | 0.181448 | 47.5580 | 99.084099 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 41 | 405 | Z4 | 22008.100 | 0.091031 | 0.000000 | 0.080878 | 0.000000 | 0.000000 | 0.000000 | 0.029943 | 19.166500 | 32.252700 | 0.281279 | 0.237254 | 47.3867 | 99.526285 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 42 | 406 | Z4 | 22394.100 | 0.000000 | 0.000000 | 0.081152 | 0.000000 | 0.000000 | 0.000000 | 0.019905 | 19.317200 | 31.412100 | 0.240393 | 0.229078 | 47.6049 | 98.904728 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 43 | 410 | Z4 | 23938.100 | 0.038172 | 0.000000 | 0.026912 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.665800 | 32.590500 | 0.242808 | 0.167804 | 47.2957 | 100.027696 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 44 | 413 | Z4 | 25097.100 | 0.000000 | 0.000000 | 0.026638 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 15.315800 | 38.186200 | 0.245797 | 0.169900 | 46.4241 | 100.368435 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 45 | 414 | Z4 | 25483.100 | 0.196897 | 0.083039 | 0.114017 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 14.794700 | 39.118700 | 0.176587 | 0.104994 | 46.2679 | 100.856834 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 46 | 415 | Z4 | 25869.100 | 0.000000 | 0.025874 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.475869 | 55.565000 | 0.320797 | 0.052312 | 43.8852 | 100.325052 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 47 | 418 | Z4 | 27027.100 | 0.000000 | 0.000000 | 0.053216 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.387580 | 56.098900 | 0.087632 | 0.000000 | 43.8561 | 100.483428 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 48 | 419 | Z4 | 27413.100 | 0.000000 | 0.000000 | 0.435662 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.166600 | 32.438700 | 0.189422 | 0.148673 | 47.2896 | 99.668657 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 49 | 420 | Z2 | 27799.100 | 0.146254 | 0.115993 | 0.037698 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.163010 | 51.036100 | 0.044312 | 0.018715 | 44.8956 | 98.457682 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 50 | 421 | Z2 | 28185.100 | 0.417196 | 0.089077 | 0.094509 | 0.000000 | 0.000000 | 0.000000 | 0.030895 | 22.451400 | 29.117200 | 0.288060 | 0.158672 | 47.7776 | 100.424609 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 51 | 422 | Z2 | 28572.100 | 0.000000 | 0.000000 | 0.068685 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.430594 | 55.390900 | 0.115972 | 0.000000 | 44.0066 | 100.012751 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 52 | 423 | Z2 | 28958.100 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.327572 | 55.170100 | 0.047844 | 0.000000 | 44.1068 | 99.652316 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 53 | 424 | Z5 | 29344.200 | 0.076412 | 0.000000 | 0.217386 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 17.081500 | 30.449300 | 0.220215 | 0.112241 | 48.2042 | 96.361254 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 54 | 425 | Z5 | 29730.200 | 0.000000 | 0.000000 | 0.074773 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.280800 | 33.190400 | 0.267526 | 0.209283 | 47.1441 | 100.166882 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 55 | 426 | Z5 | 30116.200 | 0.000000 | 0.000000 | 0.031669 | 0.000000 | 0.013992 | 0.000000 | 0.000000 | 19.328200 | 32.459700 | 0.257855 | 0.162789 | 47.3584 | 99.612605 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 56 | 427 | Z5 | 30502.200 | 0.097041 | 0.020405 | 0.048737 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 18.085200 | 33.021500 | 0.213510 | 0.191239 | 47.3972 | 99.074832 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 57 | 428 | Z5 | 30888.200 | 0.000000 | 0.000000 | 0.043404 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.201700 | 32.619400 | 0.261713 | 0.208421 | 47.3161 | 99.650738 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 58 | 430 | Z5 | 31660.200 | 0.000000 | 0.000000 | 0.137895 | 0.000000 | 0.000000 | 0.000000 | 0.025551 | 1.582900 | 53.631600 | 0.000000 | 0.000000 | 44.2935 | 99.671446 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 59 | 431 | Z5 | 32046.200 | 0.000000 | 0.000000 | 0.079433 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.338900 | 32.151200 | 0.269672 | 0.183867 | 47.4082 | 99.431272 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 60 | 433 | Z5 | 32819.200 | 0.000000 | 0.000000 | 0.044634 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.268800 | 32.351700 | 0.241986 | 0.180404 | 47.4032 | 99.490724 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 61 | 436 | Z5 | 33977.200 | 0.000000 | 0.000000 | 0.046480 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.612200 | 32.571800 | 0.232668 | 0.214985 | 47.2851 | 99.963233 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 62 | 437 | Z5 | 34363.200 | 0.082444 | 0.000000 | 0.065660 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.551400 | 32.081800 | 0.272975 | 0.179257 | 47.4145 | 99.648036 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 63 | 439 | Z5 | 35135.200 | 0.117438 | 0.021733 | 0.149267 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.365000 | 31.571300 | 0.252345 | 0.228735 | 47.5409 | 99.246718 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 64 | 441 | Z5 | 35907.200 | 0.028141 | 0.000000 | 0.112956 | 0.000000 | 0.000000 | 0.000000 | 0.018740 | 20.016300 | 30.079700 | 0.304942 | 0.160731 | 47.8555 | 98.577010 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 65 | 443 | Z5 | 36680.200 | 0.029139 | 0.000000 | 0.377883 | 0.000000 | 0.000000 | 0.000000 | 0.017405 | 19.864100 | 32.233800 | 0.256239 | 0.213312 | 47.2122 | 100.204078 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 66 | 445 | Z5 | 37452.200 | 0.025161 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.011380 | 52.804000 | 0.211207 | 0.076955 | 44.5008 | 98.629503 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 67 | 446 | Z5 | 37838.200 | 0.078552 | 0.000000 | 0.075158 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.385900 | 32.930100 | 0.260023 | 0.199478 | 47.2077 | 100.136911 |
| GRB24-BTS-4\_Transect | BTS4 | BTS | 8 | 68 | 447 | Z5 | 38224.200 | 0.000000 | 0.000000 | 0.032829 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.414500 | 32.315900 | 0.258214 | 0.206930 | 47.3757 | 99.604073 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 69 | 335 | Z1 | 0.000 | 0.955424 | 0.044942 | 2.449220 | 0.000000 | 0.000000 | 0.000000 | 0.051220 | 10.339600 | 40.205300 | 0.107312 | 0.098345 | 45.8316 | 100.082963 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 70 | 336 | Z1 | 436.606 | 0.153134 | 0.000000 | 0.840993 | 0.000000 | 0.000000 | 0.000000 | 0.025249 | 2.352480 | 52.580800 | 0.152854 | 0.046279 | 44.1947 | 100.346489 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 71 | 337 | Z1 | 873.213 | 0.733430 | 0.000000 | 1.370690 | 0.000000 | 0.000000 | 0.000000 | 0.042551 | 3.502670 | 49.953600 | 0.210670 | 0.062969 | 44.5395 | 100.416080 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 72 | 338 | Z1 | 1309.820 | 0.000000 | 0.000000 | 0.696864 | 0.000000 | 0.000000 | 0.000000 | 0.023043 | 7.107050 | 47.651400 | 0.189840 | 0.101059 | 44.8839 | 100.653156 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 73 | 339 | Z1 | 1746.430 | 0.237712 | 0.000000 | 0.462823 | 0.000000 | 0.000000 | 0.000000 | 0.024488 | 7.006680 | 45.449700 | 0.169231 | 0.084727 | 45.5141 | 98.949461 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 74 | 340 | Z1 | 2183.030 | 0.021092 | 0.000000 | 0.376748 | 0.000000 | 0.000000 | 0.000000 | 0.034843 | 8.746470 | 45.194300 | 0.155165 | 0.083552 | 45.3964 | 100.008570 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 75 | 341 | Z1 | 2619.640 | 0.000000 | 0.000000 | 0.088551 | 0.000000 | 0.000000 | 0.000000 | 0.023256 | 0.692862 | 54.717700 | 0.241758 | 0.026253 | 44.0709 | 99.861280 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 76 | 343 | Z1 | 3491.930 | 0.000000 | 0.000000 | 0.119548 | 0.000000 | 0.000000 | 0.000000 | 0.021445 | 0.709685 | 55.388700 | 0.203693 | 0.045705 | 43.9162 | 100.404976 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 77 | 344 | Z1 | 3928.540 | 0.103419 | 0.000000 | 0.976214 | 0.000000 | 0.000000 | 0.000000 | 0.020995 | 7.138860 | 48.059300 | 0.240160 | 0.096595 | 44.6793 | 101.314843 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 78 | 345 | Z1 | 4365.150 | 0.233316 | 0.023701 | 1.268610 | 0.000000 | 0.000000 | 0.000000 | 0.051840 | 11.135300 | 42.247600 | 0.200368 | 0.133976 | 45.5361 | 100.830811 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 79 | 346 | Z1 | 4801.750 | 0.029142 | 0.000000 | 0.549877 | 0.000000 | 0.000000 | 0.000000 | 0.090427 | 10.054100 | 44.196400 | 0.073607 | 0.034753 | 45.4756 | 100.503906 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 80 | 349 | Z1 | 6111.570 | 0.025361 | 0.000000 | 0.181579 | 0.000000 | 0.000000 | 0.000000 | 0.040718 | 3.696590 | 49.414600 | 0.186232 | 0.028676 | 45.0020 | 98.575756 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 81 | 351 | Z1 | 6984.790 | 0.000000 | 0.000000 | 0.521212 | 0.000000 | 0.020598 | 0.000000 | 0.041560 | 13.881800 | 37.739200 | 0.233317 | 0.155370 | 46.5379 | 99.130957 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 82 | 352 | Z1 | 7420.990 | 0.059707 | 0.031733 | 0.173046 | 0.000000 | 0.000000 | 0.000000 | 0.024551 | 0.984845 | 54.823400 | 0.214093 | 0.044706 | 44.0008 | 100.356881 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 83 | 353 | Z1 | 7857.600 | 0.042727 | 0.000000 | 0.286774 | 0.000000 | 0.000000 | 0.000000 | 0.035634 | 9.717400 | 45.646500 | 0.162889 | 0.072014 | 45.2075 | 101.171438 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 84 | 354 | Z1 | 8293.290 | 1.099520 | 0.053177 | 13.018800 | 0.000000 | 0.000000 | 0.000000 | 0.096402 | 13.357200 | 25.894200 | 0.126786 | 0.161011 | 45.6138 | 99.420896 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 85 | 355 | Z1 | 8729.900 | 0.315013 | 0.074856 | 1.459710 | 0.000000 | 0.000000 | 0.000000 | 0.061176 | 15.941600 | 34.223100 | 0.192050 | 0.257434 | 46.8684 | 99.393339 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 86 | 356 | Z1 | 9166.500 | 0.067696 | 0.000000 | 0.462729 | 0.000000 | 0.000000 | 0.000000 | 0.034972 | 5.629690 | 48.716900 | 0.212372 | 0.063060 | 44.8522 | 100.039619 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 87 | 357 | Z1 | 9603.110 | 0.058166 | 0.000000 | 0.439106 | 0.000000 | 0.000000 | 0.000000 | 0.050423 | 3.520140 | 51.763900 | 0.293845 | 0.037078 | 44.3347 | 100.497358 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 88 | 358 | Z1 | 10039.700 | 0.093798 | 0.000000 | 0.487232 | 0.000000 | 0.000000 | 0.000000 | 0.035346 | 1.570360 | 53.855700 | 0.205465 | 0.048550 | 44.0747 | 100.371151 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 89 | 359 | Z1 | 10476.300 | 0.211847 | 0.080761 | 0.987363 | 0.000000 | 0.000000 | 0.000000 | 0.040505 | 0.637485 | 53.723800 | 0.281833 | 0.094531 | 44.0094 | 100.067525 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 90 | 361 | Z1 | 11349.500 | 0.757598 | 0.242932 | 0.949023 | 0.000000 | 0.000000 | 0.000000 | 0.035731 | 3.479420 | 51.173300 | 0.284431 | 0.085834 | 44.3446 | 101.352869 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 91 | 362 | Z1 | 11786.100 | 0.230515 | 0.023771 | 2.195660 | 0.000000 | 0.000000 | 0.000000 | 0.059426 | 8.174730 | 44.935100 | 0.177207 | 0.144988 | 44.9337 | 100.875097 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 92 | 363 | Z1 | 12222.800 | 0.150933 | 0.041677 | 0.230773 | 0.000000 | 0.000000 | 0.000000 | 0.022654 | 0.840911 | 55.099600 | 0.148049 | 0.029057 | 43.9544 | 100.518054 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 93 | 364 | Z1 | 12659.400 | 0.161318 | 0.044594 | 0.137927 | 0.000000 | 0.000000 | 0.000000 | 0.059050 | 0.492902 | 54.685800 | 0.318153 | 0.106754 | 44.0297 | 100.036198 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 94 | 365 | Z1 | 13096.000 | 0.050883 | 0.000000 | 0.290125 | 0.000000 | 0.000000 | 0.000000 | 0.057307 | 4.386300 | 50.675300 | 0.282807 | 0.053384 | 44.5480 | 100.344106 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 95 | 366 | Z2 | 13531.700 | 0.000000 | 0.000000 | 0.056363 | 0.000000 | 0.000000 | 0.000000 | 0.038177 | 0.552500 | 56.014500 | 0.215713 | 0.028849 | 43.7989 | 100.705002 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 96 | 368 | Z2 | 14404.900 | 0.000000 | 0.000000 | 0.602609 | 0.000000 | 0.000000 | 0.000000 | 0.103682 | 19.244600 | 31.077300 | 0.194939 | 0.162533 | 47.5337 | 98.919363 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 97 | 369 | Z2 | 14841.500 | 0.044517 | 0.000000 | 0.080724 | 0.000000 | 0.000000 | 0.000000 | 0.056790 | 0.635375 | 55.678700 | 0.257914 | 0.029000 | 43.8437 | 100.626720 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 98 | 370 | Z2 | 15278.100 | 0.103829 | 0.000000 | 0.185796 | 0.000000 | 0.025389 | 0.000000 | 0.038985 | 1.183230 | 55.510300 | 0.257143 | 0.056793 | 43.7875 | 101.148965 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 99 | 371 | Z2 | 15714.700 | 1.464900 | 0.424620 | 1.568790 | 0.000000 | 0.000000 | 0.000000 | 0.051739 | 17.286200 | 32.867100 | 0.164862 | 0.485491 | 46.9610 | 101.274702 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 100 | 372 | Z2 | 16151.300 | 0.053390 | 0.019459 | 0.224450 | 0.000000 | 0.000000 | 0.000000 | 0.054249 | 1.830200 | 54.124000 | 0.222347 | 0.034334 | 44.0576 | 100.620029 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 101 | 373 | Z2 | 16587.900 | 0.000000 | 0.000000 | 0.109001 | 0.000000 | 0.000000 | 0.000000 | 0.023726 | 1.153580 | 55.729600 | 0.250328 | 0.030047 | 43.7905 | 101.086782 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 102 | 374 | Z2 | 17024.500 | 0.131982 | 0.021604 | 0.074828 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.555753 | 55.557200 | 0.252736 | 0.044212 | 43.8950 | 100.533315 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 103 | 375 | Z2 | 17461.100 | 0.000000 | 0.000000 | 0.711991 | 0.000000 | 0.000000 | 0.000000 | 0.098194 | 17.836400 | 31.901500 | 0.240465 | 0.207961 | 47.4629 | 98.459411 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 104 | 378 | Z2 | 18770.900 | 0.021295 | 0.000000 | 0.035445 | 0.000000 | 0.000000 | 0.000000 | 0.022389 | 0.700713 | 54.943900 | 0.107826 | 0.017440 | 44.0819 | 99.930908 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 105 | 379 | Z2 | 19206.600 | 0.043133 | 0.000000 | 1.100190 | 0.000000 | 0.000000 | 0.000000 | 0.090772 | 10.680400 | 42.102500 | 0.288493 | 0.087679 | 45.6353 | 100.028467 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 106 | 380 | Z2 | 19643.200 | 0.000000 | 0.000000 | 2.407990 | 0.000000 | 0.000000 | 0.000000 | 0.093813 | 16.327500 | 33.232100 | 0.193571 | 0.132378 | 46.7807 | 99.168052 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 107 | 381 | Z2 | 20079.800 | 0.196978 | 0.037509 | 1.355290 | 0.000000 | 0.000000 | 0.000000 | 0.071511 | 17.568600 | 32.439600 | 0.177987 | 0.195773 | 47.1707 | 99.213948 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 108 | 382 | Z2 | 20516.400 | 0.315369 | 0.052210 | 0.195336 | 0.000000 | 0.000000 | 0.000000 | 0.030220 | 1.546360 | 52.107600 | 0.216792 | 0.066593 | 44.5830 | 99.113480 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 109 | 383 | Z2 | 20952.600 | 0.073639 | 0.000000 | 0.322951 | 0.000000 | 0.000000 | 0.000000 | 0.049654 | 8.808660 | 45.645700 | 0.000000 | 0.032269 | 45.3701 | 100.302973 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 110 | 384 | Z2 | 21389.200 | 0.595572 | 0.334072 | 0.102037 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.751152 | 54.253800 | 0.121791 | 0.022220 | 44.2493 | 100.429944 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 111 | 385 | Z2 | 21825.900 | 0.000000 | 0.020329 | 0.065083 | 0.000000 | 0.000000 | 0.000000 | 0.023690 | 0.546183 | 55.706500 | 0.152686 | 0.000000 | 43.8959 | 100.410371 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 112 | 386 | Z2 | 22262.500 | 0.022891 | 0.000000 | 0.048083 | 0.000000 | 0.000000 | 0.000000 | 0.022157 | 0.490533 | 54.637200 | 0.208566 | 0.021510 | 44.1334 | 99.584340 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 113 | 387 | Z2 | 22699.100 | 0.034395 | 0.000000 | 0.979254 | 0.000000 | 0.000000 | 0.000000 | 0.038278 | 16.969900 | 33.791100 | 0.206739 | 0.135969 | 47.0315 | 99.187135 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 114 | 388 | Z2 | 23135.700 | 0.000000 | 0.000000 | 0.095741 | 0.000000 | 0.000000 | 0.000000 | 0.031209 | 0.547072 | 55.399500 | 0.241811 | 0.019211 | 43.9201 | 100.254644 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 115 | 389 | Z2 | 23572.300 | 0.034997 | 0.000000 | 0.142057 | 0.000000 | 0.000000 | 0.000000 | 0.032139 | 4.907540 | 50.808000 | 0.217875 | 0.054010 | 44.5245 | 100.721118 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 116 | 390 | Z2 | 24008.900 | 0.080683 | 0.000000 | 0.428392 | 0.000000 | 0.000000 | 0.000000 | 0.055655 | 19.407000 | 31.799600 | 0.106188 | 0.129505 | 47.4624 | 99.469423 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 117 | 392 | Z3 | 24881.200 | 0.063159 | 0.000000 | 0.480643 | 0.020630 | 0.000000 | 0.000000 | 0.029285 | 5.953300 | 47.813700 | 0.161878 | 0.052076 | 45.0475 | 99.622171 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 118 | 393 | Z3 | 25317.800 | 0.000000 | 0.000000 | 0.059298 | 0.000000 | 0.000000 | 0.000000 | 0.051592 | 0.533979 | 55.948900 | 0.254021 | 0.040099 | 43.7875 | 100.675389 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 119 | 394 | Z3 | 25754.400 | 0.051107 | 0.000000 | 0.343530 | 0.000000 | 0.000000 | 0.000000 | 0.024333 | 0.517515 | 56.060400 | 0.130145 | 0.024875 | 43.7485 | 100.900405 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 120 | 395 | Z3 | 26191.000 | 0.705255 | 0.169418 | 1.935860 | 0.000000 | 0.000000 | 0.000000 | 0.024536 | 0.924795 | 52.624700 | 0.000000 | 0.015401 | 44.1015 | 100.501465 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 121 | 396 | Z3 | 26627.600 | 0.200693 | 0.063655 | 0.476030 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.619221 | 54.678900 | 0.128959 | 0.017441 | 44.0286 | 100.213499 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 122 | 397 | Z3 | 27064.200 | 0.000000 | 0.000000 | 0.337805 | 0.000000 | 0.000000 | 0.000000 | 0.054502 | 19.086200 | 33.630700 | 0.162165 | 0.144571 | 47.0172 | 100.433143 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 123 | 398 | Z3 | 27500.800 | 0.037838 | 0.000000 | 0.206139 | 0.000000 | 0.000000 | 0.000000 | 0.036221 | 0.513059 | 55.609200 | 0.258469 | 0.028028 | 43.8434 | 100.532354 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 124 | 399 | Z3 | 27937.400 | 0.025891 | 0.000000 | 0.255087 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.813761 | 54.675800 | 0.239477 | 0.038113 | 44.0193 | 100.067429 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 125 | 400 | Z3 | 28374.000 | 0.089989 | 0.000000 | 0.570874 | 0.000000 | 0.000000 | 0.000000 | 0.036057 | 4.860690 | 49.099800 | 0.186587 | 0.049322 | 44.8254 | 99.718719 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 126 | 403 | Z3 | 29683.800 | 0.349006 | 0.071256 | 1.287840 | 0.000000 | 0.000000 | 0.000000 | 0.058164 | 16.923700 | 32.519400 | 0.171781 | 0.281151 | 47.2497 | 98.911998 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 127 | 404 | Z3 | 30119.500 | 0.549939 | 0.147677 | 1.724050 | 0.000000 | 0.000000 | 0.000000 | 0.023992 | 0.772343 | 52.410900 | 0.000000 | 0.000000 | 44.2220 | 99.850901 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 128 | 406 | Z3 | 30992.700 | 0.000000 | 0.000000 | 0.617111 | 0.000000 | 0.000000 | 0.000000 | 0.147898 | 0.456496 | 55.073400 | 0.000000 | 0.000000 | 43.9193 | 100.214205 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 129 | 407 | Z3 | 31429.300 | 0.181332 | 0.048502 | 1.392640 | 0.000000 | 0.000000 | 0.000000 | 0.035984 | 2.620830 | 49.529800 | 0.183077 | 0.047858 | 44.7182 | 98.758223 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 130 | 408 | Z3 | 31865.900 | 0.065386 | 0.000000 | 0.255995 | 0.000000 | 0.000000 | 0.000000 | 0.040438 | 0.689771 | 54.304900 | 0.247806 | 0.030594 | 44.1076 | 99.742490 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 131 | 409 | Z3 | 32302.500 | 0.071775 | 0.000000 | 0.559280 | 0.000000 | 0.000000 | 0.000000 | 0.067938 | 4.165880 | 48.877700 | 0.249525 | 0.062491 | 44.9212 | 98.975789 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 132 | 410 | Z3 | 32739.200 | 0.157109 | 0.032078 | 0.078822 | 0.000000 | 0.000000 | 0.000000 | 0.036087 | 0.524784 | 55.758100 | 0.203152 | 0.022897 | 43.8692 | 100.682229 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 133 | 411 | Z3 | 33175.800 | 0.042626 | 0.000000 | 0.200948 | 0.022917 | 0.000000 | 0.000000 | 0.000000 | 0.522875 | 55.124500 | 0.268841 | 0.025858 | 43.9418 | 100.150365 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 134 | 412 | Z3 | 33612.400 | 0.000000 | 0.000000 | 0.182200 | 0.000000 | 0.000000 | 0.000000 | 0.043509 | 0.592214 | 55.689700 | 0.237175 | 0.026043 | 43.8198 | 100.590641 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 135 | 413 | Z4 | 34049.000 | 0.000000 | 0.000000 | 0.220329 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.476584 | 55.031100 | 0.189855 | 0.025286 | 44.0078 | 99.950954 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 136 | 414 | Z4 | 34485.600 | 0.000000 | 0.000000 | 0.299141 | 0.000000 | 0.000000 | 0.000000 | 0.055010 | 0.807991 | 55.184200 | 0.190900 | 0.026078 | 43.8954 | 100.458720 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 137 | 415 | Z4 | 34922.200 | 0.177712 | 0.086935 | 0.250294 | 0.000000 | 0.000000 | 0.000000 | 0.055572 | 0.515528 | 55.583200 | 0.199010 | 0.023060 | 43.8573 | 100.748611 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 138 | 416 | Z4 | 35357.500 | 0.021249 | 0.000000 | 0.033880 | 0.000000 | 0.000000 | 0.000000 | 0.038317 | 0.607351 | 55.063800 | 0.263196 | 0.039630 | 43.9948 | 100.062223 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 139 | 417 | Z4 | 35794.100 | 0.151185 | 0.034011 | 0.166621 | 0.000000 | 0.000000 | 0.000000 | 0.047027 | 0.748346 | 55.872800 | 0.266091 | 0.041448 | 43.7659 | 101.093429 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 140 | 418 | Z4 | 36230.700 | 0.116910 | 0.039571 | 0.163471 | 0.000000 | 0.000000 | 0.000000 | 0.044109 | 0.727950 | 55.500700 | 0.209979 | 0.021850 | 43.8743 | 100.698840 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 141 | 420 | Z4 | 37103.900 | 0.000000 | 0.000000 | 0.100064 | 0.000000 | 0.000000 | 0.000000 | 0.037793 | 0.964973 | 56.046100 | 0.275082 | 0.034040 | 43.7258 | 101.183852 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 142 | 421 | Z4 | 37540.500 | 0.068279 | 0.000000 | 0.129780 | 0.000000 | 0.000000 | 0.000000 | 0.028833 | 0.684203 | 55.688000 | 0.271743 | 0.031617 | 43.8234 | 100.725855 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 143 | 422 | Z4 | 37977.100 | 0.000000 | 0.000000 | 0.148465 | 0.000000 | 0.000000 | 0.000000 | 0.055846 | 5.957220 | 49.377600 | 0.201369 | 0.057638 | 44.7498 | 100.547938 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 144 | 423 | Z4 | 38413.700 | 0.265403 | 0.084947 | 0.198660 | 0.000000 | 0.000000 | 0.000000 | 0.034256 | 1.029570 | 55.466800 | 0.198365 | 0.020946 | 43.8551 | 101.154047 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 145 | 424 | Z4 | 38850.300 | 0.254938 | 0.075651 | 0.122174 | 0.000000 | 0.000000 | 0.000000 | 0.036032 | 0.562071 | 55.734700 | 0.216505 | 0.032641 | 43.8554 | 100.890112 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 146 | 425 | Z4 | 39286.900 | 0.471697 | 0.193266 | 0.526258 | 0.000000 | 0.000000 | 0.000000 | 0.033674 | 0.667657 | 54.748700 | 0.263872 | 0.149984 | 43.9105 | 100.965608 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 147 | 426 | Z4 | 39723.500 | 0.035016 | 0.028204 | 0.083590 | 0.000000 | 0.000000 | 0.000000 | 0.039294 | 0.880071 | 55.723800 | 0.043300 | 0.018156 | 43.8937 | 100.745131 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 148 | 427 | Z4 | 40160.100 | 0.568729 | 0.234594 | 0.873355 | 0.000000 | 0.000000 | 0.000000 | 0.086410 | 17.596000 | 33.389000 | 0.138729 | 0.240150 | 47.0836 | 100.210567 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 149 | 430 | Z4 | 41469.000 | 0.000000 | 0.030359 | 0.035129 | 0.000000 | 0.000000 | 0.000000 | 0.031396 | 0.595162 | 56.142700 | 0.189603 | 0.030646 | 43.7774 | 100.832395 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 150 | 431 | Z4 | 41905.600 | 1.463560 | 0.274835 | 1.343320 | 0.000000 | 0.000000 | 0.000000 | 0.081288 | 16.495000 | 31.595100 | 0.156722 | 0.222060 | 47.5600 | 99.191885 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 151 | 432 | Z4 | 42342.200 | 1.397430 | 0.161694 | 1.074530 | 0.000000 | 0.000000 | 0.000000 | 0.055591 | 17.765400 | 31.993900 | 0.148851 | 0.146521 | 47.4096 | 100.153517 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 152 | 433 | Z4 | 42778.900 | 0.129569 | 0.034031 | 1.210660 | 0.000000 | 0.000000 | 0.000000 | 0.059836 | 1.444780 | 54.199600 | 0.000000 | 0.000000 | 43.8577 | 100.936176 |
| GRB23-YR-11\_Transect | YR11 | YR | 8 | 153 | 434 | Z4 | 43215.500 | 0.000000 | 0.000000 | 0.495872 | 0.000000 | 0.000000 | 0.000000 | 0.169679 | 0.455819 | 55.204200 | 0.000000 | 0.000000 | 43.9097 | 100.235270 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 154 | 326 | Z1 | 38002.600 | 0.000000 | 0.000000 | 0.123621 | 0.000000 | 0.000000 | 0.000000 | 0.043139 | 0.476592 | 55.085500 | 0.208817 | 0.057054 | 43.9875 | 99.982223 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 155 | 324 | Z1 | 37234.800 | 0.084720 | 0.000000 | 0.218300 | 0.000000 | 0.000000 | 0.000000 | 0.088435 | 0.957606 | 54.256900 | 0.326245 | 0.039922 | 44.0602 | 100.032328 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 156 | 323 | Z1 | 36851.400 | 0.069813 | 0.000000 | 0.146229 | 0.000000 | 0.000000 | 0.000000 | 0.059507 | 0.271226 | 53.604100 | 0.226559 | 0.033600 | 44.3544 | 98.765434 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 157 | 321 | Z1 | 36083.600 | 0.054491 | 0.000000 | 0.218878 | 0.000000 | 0.000000 | 0.000000 | 0.053624 | 0.388493 | 55.010200 | 0.289672 | 0.049814 | 43.9570 | 100.022172 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 158 | 317 | Z1 | 34548.000 | 0.133824 | 0.000000 | 1.937890 | 0.000000 | 0.000000 | 0.000000 | 0.153714 | 12.632600 | 37.322200 | 0.283967 | 0.208599 | 46.2808 | 98.953594 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 159 | 316 | Z1 | 34163.700 | 0.023711 | 0.000000 | 0.121932 | 0.000000 | 0.000000 | 0.000000 | 0.043165 | 0.344290 | 55.150300 | 0.367754 | 0.051162 | 43.9282 | 100.030514 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 160 | 314 | Z1 | 33395.900 | 0.069314 | 0.021201 | 0.129855 | 0.000000 | 0.000000 | 0.000000 | 0.062902 | 0.439296 | 55.397200 | 0.349254 | 0.053273 | 43.8649 | 100.387195 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 161 | 313 | Z1 | 33012.500 | 0.191384 | 0.029301 | 1.447320 | 0.000000 | 0.000000 | 0.000000 | 0.070372 | 2.910980 | 51.134000 | 0.323805 | 0.070886 | 44.2068 | 100.384848 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 162 | 310 | Z1 | 31860.400 | 0.025835 | 0.000000 | 0.230089 | 0.000000 | 0.000000 | 0.000000 | 0.050593 | 0.425507 | 54.666300 | 0.309012 | 0.028825 | 44.0309 | 99.767061 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 163 | 308 | Z1 | 31093.600 | 0.064720 | 0.000000 | 0.188823 | 0.000000 | 0.000000 | 0.000000 | 0.054509 | 0.385750 | 54.794500 | 0.338335 | 0.074116 | 43.9912 | 99.891953 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 164 | 307 | Z1 | 30709.200 | 0.000000 | 0.000000 | 0.054666 | 0.000000 | 0.000000 | 0.000000 | 0.045294 | 0.294779 | 55.086300 | 0.296616 | 0.127814 | 43.9816 | 99.887069 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 165 | 306 | Z1 | 30325.800 | 0.000000 | 0.000000 | 0.198244 | 0.000000 | 0.000000 | 0.000000 | 0.062218 | 0.397388 | 54.752000 | 0.368847 | 0.062764 | 43.9871 | 99.828561 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 166 | 305 | Z1 | 29941.400 | 0.033953 | 0.000000 | 0.181933 | 0.000000 | 0.000000 | 0.000000 | 0.042443 | 0.313835 | 55.007300 | 0.269309 | 0.042354 | 43.9868 | 99.877927 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 167 | 304 | Z1 | 29558.000 | 0.000000 | 0.000000 | 0.107556 | 0.000000 | 0.000000 | 0.000000 | 0.059884 | 0.308254 | 55.215500 | 0.320916 | 0.032217 | 43.9417 | 99.986027 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 168 | 303 | Z1 | 29173.600 | 0.203554 | 0.053204 | 0.176951 | 0.000000 | 0.000000 | 0.000000 | 0.038024 | 0.424453 | 54.370600 | 0.275027 | 0.079003 | 44.1245 | 99.745316 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 169 | 302 | Z2 | 28790.200 | 0.000000 | 0.000000 | 0.255238 | 0.000000 | 0.000000 | 0.000000 | 0.055408 | 0.486422 | 54.698600 | 0.310418 | 0.068981 | 43.9983 | 99.873367 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 170 | 301 | Z2 | 28405.800 | 0.073464 | 0.025352 | 0.133980 | 0.000000 | 0.000000 | 0.000000 | 0.074235 | 0.420282 | 55.048100 | 0.345060 | 0.073772 | 43.9355 | 100.129745 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 171 | 300 | Z2 | 28022.500 | 0.032291 | 0.000000 | 0.142334 | 0.000000 | 0.000000 | 0.000000 | 0.094604 | 0.361615 | 55.114900 | 0.399350 | 0.040284 | 43.9126 | 100.097978 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 172 | 299 | Z2 | 27638.000 | 2.450360 | 0.027621 | 0.115486 | 0.000000 | 0.000000 | 0.000000 | 0.058157 | 0.420116 | 51.675800 | 0.155865 | 0.041361 | 44.9543 | 99.899066 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 173 | 298 | Z2 | 27254.700 | 0.000000 | 0.000000 | 0.103059 | 0.000000 | 0.000000 | 0.000000 | 0.066730 | 0.391193 | 54.644600 | 0.250605 | 0.076866 | 44.0787 | 99.611753 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 174 | 297 | Z2 | 26870.300 | 0.092882 | 0.000000 | 0.116324 | 0.000000 | 0.000000 | 0.000000 | 0.048761 | 0.280528 | 54.186500 | 0.203984 | 0.063463 | 44.2266 | 99.219042 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 175 | 296 | Z2 | 26486.900 | 0.000000 | 0.000000 | 0.123253 | 0.000000 | 0.000000 | 0.000000 | 0.031052 | 0.350028 | 54.974600 | 0.319337 | 0.055174 | 43.9963 | 99.849744 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 176 | 295 | Z2 | 26102.500 | 0.233069 | 0.040917 | 0.204257 | 0.000000 | 0.000000 | 0.000000 | 0.061003 | 0.326828 | 54.758300 | 0.282449 | 0.035479 | 44.0349 | 99.977202 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 177 | 294 | Z2 | 25719.100 | 0.064421 | 0.000000 | 0.236866 | 0.000000 | 0.000000 | 0.000000 | 0.077220 | 0.416804 | 54.516400 | 0.308698 | 0.044214 | 44.0510 | 99.715623 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 178 | 293 | Z2 | 25334.700 | 0.029209 | 0.020048 | 0.139122 | 0.000000 | 0.000000 | 0.000000 | 0.051295 | 0.339599 | 54.205000 | 0.273012 | 0.039315 | 44.1911 | 99.287700 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 179 | 291 | Z2 | 24566.900 | 2.380790 | 0.346369 | 0.711146 | 0.000000 | 0.000000 | 0.000000 | 0.040626 | 0.901394 | 51.186500 | 0.280279 | 0.059956 | 44.7849 | 100.691960 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 180 | 290 | Z2 | 24183.600 | 0.423847 | 0.142061 | 0.104672 | 0.000000 | 0.000000 | 0.000000 | 0.059942 | 0.307951 | 55.061800 | 0.287545 | 0.067559 | 44.0091 | 100.464477 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 181 | 288 | Z2 | 23415.800 | 0.437274 | 0.073269 | 0.236778 | 0.000000 | 0.000000 | 0.000000 | 0.032351 | 0.476463 | 54.461800 | 0.279816 | 0.075647 | 44.1026 | 100.175998 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 182 | 287 | Z2 | 23032.400 | 0.000000 | 0.000000 | 0.142391 | 0.000000 | 0.000000 | 0.000000 | 0.052066 | 0.318224 | 53.634900 | 0.315507 | 1.130810 | 44.0106 | 99.604498 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 183 | 286 | Z2 | 22648.000 | 0.056928 | 0.000000 | 0.155601 | 0.000000 | 0.000000 | 0.000000 | 0.037901 | 0.429827 | 53.615700 | 0.278220 | 0.052404 | 44.3037 | 98.930281 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 184 | 285 | Z2 | 22264.600 | 0.000000 | 0.000000 | 0.189259 | 0.000000 | 0.016376 | 0.000000 | 0.046047 | 0.363991 | 54.364900 | 0.325135 | 0.090703 | 44.0874 | 99.483811 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 185 | 284 | Z2 | 21880.200 | 0.000000 | 0.000000 | 0.109549 | 0.000000 | 0.000000 | 0.000000 | 0.061829 | 0.365357 | 55.084500 | 0.303232 | 0.054427 | 43.9647 | 99.943594 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 186 | 283 | Z2 | 21496.800 | 0.313961 | 0.069378 | 0.313417 | 0.000000 | 0.000000 | 0.000000 | 0.056677 | 0.509486 | 55.103000 | 0.258975 | 0.067319 | 43.9232 | 100.615413 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 187 | 282 | Z2 | 21112.500 | 0.000000 | 0.000000 | 0.124812 | 0.000000 | 0.000000 | 0.000000 | 0.051690 | 0.315286 | 55.340000 | 0.323272 | 0.044509 | 43.9113 | 100.110869 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 188 | 280 | Z2 | 20344.700 | 0.091884 | 0.000000 | 0.188471 | 0.000000 | 0.000000 | 0.000000 | 0.029515 | 0.365361 | 53.643000 | 0.290329 | 0.044037 | 44.3018 | 98.954397 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 189 | 279 | Z2 | 19961.300 | 0.493659 | 0.143682 | 0.243069 | 0.000000 | 0.000000 | 0.000000 | 0.835158 | 0.462962 | 53.711600 | 0.093645 | 0.000000 | 44.1263 | 100.110075 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 190 | 278 | Z2 | 19576.900 | 0.000000 | 0.000000 | 0.117803 | 0.000000 | 0.014347 | 0.000000 | 0.042229 | 0.349842 | 54.593600 | 0.315301 | 0.064482 | 44.0742 | 99.571804 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 191 | 277 | Z2 | 19193.500 | 1.596140 | 0.265857 | 1.438330 | 0.000000 | 0.000000 | 0.000000 | 0.082155 | 9.718840 | 41.217900 | 0.247533 | 0.182313 | 45.9021 | 100.651168 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 192 | 276 | Z2 | 18809.100 | 0.212106 | 0.000000 | 0.145329 | 0.000000 | 0.000000 | 0.000000 | 0.059169 | 0.281486 | 53.729100 | 0.261192 | 0.034881 | 44.3130 | 99.036263 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 193 | 275 | Z2 | 18425.700 | 0.062101 | 0.000000 | 0.623196 | 0.000000 | 0.000000 | 0.000000 | 0.069362 | 3.216030 | 51.580800 | 0.240286 | 0.103920 | 44.3555 | 100.251195 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 194 | 273 | Z3 | 17657.900 | 0.061270 | 0.000000 | 0.127406 | 0.000000 | 0.000000 | 0.000000 | 0.057619 | 0.340047 | 54.808100 | 0.335174 | 0.025232 | 44.0303 | 99.785148 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 195 | 272 | Z3 | 17273.500 | 0.394759 | 0.089878 | 0.259430 | 0.023355 | 0.000000 | 0.000000 | 0.051661 | 0.501716 | 55.053500 | 0.312522 | 0.038621 | 43.9350 | 100.660442 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 196 | 271 | Z3 | 16890.100 | 0.000000 | 0.000000 | 0.219791 | 0.000000 | 0.000000 | 0.000000 | 0.366349 | 0.385206 | 54.895400 | 0.154032 | 0.000000 | 43.9453 | 99.966078 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 197 | 269 | Z3 | 16122.400 | 0.555214 | 0.131950 | 0.355767 | 0.000000 | 0.000000 | 0.000000 | 0.393665 | 0.494854 | 53.617600 | 0.232182 | 0.000000 | 44.1974 | 99.978632 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 198 | 268 | Z3 | 15739.000 | 0.000000 | 0.000000 | 0.131908 | 0.000000 | 0.000000 | 0.000000 | 0.051509 | 0.366682 | 55.495900 | 0.272874 | 0.051967 | 43.8909 | 100.261740 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 199 | 267 | Z3 | 15354.600 | 0.030318 | 0.000000 | 0.101240 | 0.000000 | 0.000000 | 0.000000 | 0.030640 | 0.412761 | 54.733700 | 0.338079 | 0.051989 | 44.0520 | 99.750727 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 200 | 266 | Z3 | 14971.200 | 0.153678 | 0.043231 | 0.178636 | 0.000000 | 0.000000 | 0.000000 | 0.057312 | 0.527237 | 53.371700 | 0.288771 | 0.061865 | 44.3514 | 99.033830 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 201 | 265 | Z3 | 14586.800 | 0.063760 | 0.000000 | 0.063146 | 0.000000 | 0.000000 | 0.000000 | 0.329647 | 0.407982 | 54.750200 | 0.072095 | 0.000000 | 44.0719 | 99.758730 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 202 | 263 | Z3 | 13819.000 | 0.000000 | 0.000000 | 0.191253 | 0.000000 | 0.000000 | 0.000000 | 0.066174 | 0.440704 | 54.828700 | 0.298962 | 0.038824 | 43.9997 | 99.864317 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 203 | 262 | Z3 | 13435.600 | 0.097652 | 0.000000 | 0.282301 | 0.000000 | 0.000000 | 0.000000 | 0.038321 | 0.377963 | 53.343900 | 0.333995 | 0.073657 | 44.3098 | 98.857589 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 204 | 260 | Z3 | 12667.800 | 0.052005 | 0.000000 | 0.179574 | 0.000000 | 0.000000 | 0.000000 | 0.036441 | 0.445733 | 55.209600 | 0.307470 | 0.071934 | 43.9140 | 100.216757 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 205 | 258 | Z3 | 11900.100 | 0.241750 | 0.096855 | 0.144910 | 0.000000 | 0.000000 | 0.000000 | 0.071095 | 0.321471 | 53.719000 | 0.254628 | 0.045938 | 44.3164 | 99.212047 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 206 | 257 | Z3 | 11515.700 | 0.409158 | 0.071348 | 0.204872 | 0.000000 | 0.000000 | 0.000000 | 0.311591 | 0.395961 | 54.433100 | 0.161192 | 0.015366 | 44.1003 | 100.102888 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 207 | 255 | Z3 | 10747.900 | 0.058922 | 0.000000 | 0.116095 | 0.000000 | 0.000000 | 0.000000 | 0.077801 | 0.318629 | 55.870000 | 0.273898 | 0.028288 | 43.8087 | 100.552333 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 208 | 254 | Z3 | 10364.500 | 0.023911 | 0.000000 | 0.124162 | 0.000000 | 0.000000 | 0.000000 | 0.059661 | 0.324570 | 55.476000 | 0.264147 | 0.068679 | 43.8932 | 100.234330 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 209 | 252 | Z3 | 9596.730 | 0.000000 | 0.000000 | 0.168732 | 0.000000 | 0.000000 | 0.000000 | 0.046494 | 0.347319 | 55.125600 | 0.310748 | 0.035408 | 43.9512 | 99.985501 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 210 | 251 | Z3 | 9212.360 | 0.542609 | 0.180374 | 0.230854 | 0.000000 | 0.000000 | 0.000000 | 0.062923 | 0.604522 | 52.372900 | 0.231881 | 0.043542 | 44.5986 | 98.868205 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 211 | 250 | Z3 | 8828.980 | 0.000000 | 0.000000 | 0.135879 | 0.000000 | 0.000000 | 0.000000 | 0.036177 | 0.307995 | 55.239600 | 0.348502 | 0.152182 | 43.8966 | 100.116935 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 212 | 249 | Z3 | 8444.560 | 0.026951 | 0.000000 | 0.179164 | 0.000000 | 0.000000 | 0.000000 | 0.053646 | 0.369577 | 54.642200 | 0.296162 | 0.076467 | 44.0380 | 99.682167 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 213 | 248 | Z3 | 8061.180 | 0.051301 | 0.000000 | 0.138735 | 0.000000 | 0.000000 | 0.000000 | 0.061185 | 0.398868 | 54.271500 | 0.253159 | 0.022745 | 44.1808 | 99.378293 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 214 | 247 | Z3 | 7677.810 | 0.155804 | 0.000000 | 0.125990 | 0.000000 | 0.000000 | 0.000000 | 0.069460 | 0.405320 | 54.119200 | 0.299707 | 0.027696 | 44.1939 | 99.397077 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 215 | 246 | Z3 | 7293.380 | 0.031467 | 0.000000 | 0.170118 | 0.000000 | 0.000000 | 0.000000 | 0.076802 | 0.759298 | 54.399600 | 0.283329 | 0.045368 | 44.0762 | 99.842182 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 216 | 242 | Z3 | 5757.830 | 0.197702 | 0.041990 | 0.170785 | 0.000000 | 0.000000 | 0.000000 | 0.064331 | 0.378016 | 53.948300 | 0.205043 | 0.035989 | 44.2648 | 99.306956 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 217 | 240 | Z3 | 4990.080 | 0.465025 | 0.045335 | 0.285368 | 0.000000 | 0.000000 | 0.000000 | 0.056063 | 0.506039 | 53.609400 | 0.282985 | 0.035829 | 44.2824 | 99.568444 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 218 | 238 | Z4 | 4222.280 | 5.708920 | 1.459030 | 1.310750 | 0.000000 | 0.000000 | 0.000000 | 0.049264 | 1.667250 | 43.409300 | 0.191952 | 0.073632 | 46.5344 | 100.404498 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 219 | 237 | Z4 | 3838.900 | 0.037854 | 0.000000 | 0.208285 | 0.000000 | 0.000000 | 0.000000 | 0.061927 | 0.355156 | 54.173200 | 0.329028 | 0.119506 | 44.1292 | 99.414156 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 220 | 236 | Z4 | 3454.530 | 1.593610 | 0.382593 | 0.389509 | 0.000000 | 0.000000 | 0.000000 | 0.071150 | 0.830852 | 52.188000 | 0.222190 | 0.029979 | 44.6361 | 100.343983 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 221 | 235 | Z4 | 3071.100 | 0.083904 | 0.030813 | 0.309431 | 0.000000 | 0.000000 | 0.000000 | 0.067312 | 0.587036 | 54.226700 | 0.328712 | 0.039220 | 44.0896 | 99.762728 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 222 | 234 | Z4 | 2686.730 | 1.807450 | 0.397136 | 0.329247 | 0.000000 | 0.000000 | 0.000000 | 0.042487 | 0.574876 | 49.734500 | 0.229107 | 0.118235 | 45.2693 | 98.502338 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 223 | 233 | Z4 | 2303.350 | 0.216326 | 0.031221 | 0.161594 | 0.000000 | 0.000000 | 0.000000 | 0.067324 | 0.390012 | 54.944500 | 0.309561 | 0.037438 | 44.0012 | 100.159176 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 224 | 232 | Z4 | 1918.930 | 0.070315 | 0.000000 | 0.195625 | 0.000000 | 0.000000 | 0.000000 | 0.068615 | 0.445855 | 55.162200 | 0.378382 | 0.041294 | 43.8920 | 100.254286 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 225 | 231 | Z4 | 1535.550 | 1.118500 | 0.196977 | 0.349737 | 0.000000 | 0.000000 | 0.000000 | 0.068069 | 0.784392 | 52.421300 | 0.245772 | 0.058242 | 44.5590 | 99.801989 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 226 | 229 | Z4 | 767.799 | 0.310754 | 0.046957 | 0.245542 | 0.000000 | 0.000000 | 0.000000 | 0.052913 | 0.461010 | 52.926100 | 0.369514 | 0.095852 | 44.4112 | 98.919842 |
| GRB24-BTR-5\_Transect | BTR5 | BTR | 5 | 227 | 227 | Z4 | 0.000 | 0.000000 | 0.000000 | 0.223537 | 0.000000 | 0.000000 | 0.000000 | 0.482667 | 0.304649 | 54.606700 | 0.216262 | 0.000000 | 43.9630 | 99.796815 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 228 | 113 | Z1 | 0.000 | 96.993700 | 0.457507 | 0.023925 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.066593 | 0.214296 | 0.000000 | 0.113563 | 0.0000 | 97.869584 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 229 | 116 | Z1 | 1303.820 | 98.215300 | 0.203151 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.114905 | 0.000000 | 0.055271 | 0.0000 | 98.588627 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 230 | 117 | Z1 | 1738.140 | 97.082100 | 0.473311 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.065752 | 0.281816 | 0.000000 | 0.115234 | 0.0000 | 98.018213 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 231 | 118 | Z1 | 2172.890 | 0.406423 | 0.000000 | 0.035908 | 0.000000 | 0.000000 | 0.000000 | 0.032171 | 20.010300 | 31.059600 | 0.085498 | 0.192302 | 47.6996 | 99.521802 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 232 | 119 | Z1 | 2607.640 | 94.643900 | 0.651124 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.022058 | 0.783979 | 1.064800 | 0.000000 | 0.120144 | 0.0000 | 97.286005 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 233 | 120 | Z1 | 3041.960 | 95.819000 | 0.715559 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.042576 | 0.139850 | 0.075685 | 0.126871 | 0.0000 | 96.919541 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 234 | 121 | Z1 | 3476.710 | 94.333900 | 0.295593 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.677539 | 1.299980 | 0.000000 | 0.067017 | 0.0000 | 96.674029 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 235 | 122 | Z1 | 3911.030 | 1.470330 | 0.000000 | 0.035623 | 0.000000 | 0.000000 | 0.000000 | 0.029739 | 20.127100 | 30.731000 | 0.050966 | 0.190936 | 47.8052 | 100.440894 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 236 | 124 | Z1 | 4779.630 | 98.953000 | 0.062292 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.038850 | 0.076392 | 0.000000 | 0.021103 | 0.0000 | 99.151637 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 237 | 127 | Z1 | 6083.020 | 1.039810 | 0.000000 | 0.021066 | 0.000000 | 0.000000 | 0.000000 | 0.023761 | 19.379000 | 31.987000 | 0.086941 | 0.181793 | 47.5562 | 100.275571 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 238 | 128 | Z1 | 6517.770 | 96.953000 | 0.112839 | 0.026733 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.175295 | 0.198796 | 0.000000 | 0.036814 | 0.0000 | 97.503477 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 239 | 129 | Z1 | 6952.520 | 98.347700 | 0.261479 | 0.019328 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.041268 | 0.149326 | 0.000000 | 0.065181 | 0.0000 | 98.884282 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 240 | 130 | Z1 | 7386.840 | 99.140100 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.135025 | 0.039229 | 0.015786 | 0.0000 | 99.330140 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 241 | 131 | Z1 | 7821.590 | 95.536500 | 0.036770 | 0.021747 | 0.025916 | 0.000000 | 0.000000 | 0.000000 | 0.045301 | 0.083195 | 0.000000 | 0.020697 | 0.0000 | 95.770126 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 242 | 132 | Z1 | 8255.910 | 90.943600 | 0.142281 | 0.029192 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.879890 | 2.589160 | 0.000000 | 0.050616 | 0.0000 | 95.634739 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 243 | 134 | Z1 | 9125.410 | 0.104824 | 0.000000 | 0.031525 | 0.000000 | 0.014750 | 0.000000 | 0.047154 | 19.413000 | 31.578900 | 0.116096 | 0.144981 | 47.6269 | 99.078130 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 244 | 135 | Z1 | 9559.730 | 98.336500 | 0.301362 | 0.041045 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.008935 | 0.049551 | 0.000000 | 0.076893 | 0.0000 | 98.814286 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 245 | 136 | Z1 | 9994.480 | 98.507400 | 0.122621 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.064496 | 0.0000 | 98.694517 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 246 | 137 | Z1 | 10428.800 | 97.900600 | 0.212431 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.011623 | 0.100277 | 0.000000 | 0.097996 | 0.0000 | 98.322927 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 247 | 138 | Z1 | 10863.600 | 100.116000 | 0.046091 | 0.057016 | 0.024064 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.059027 | 0.000000 | 0.024592 | 0.0000 | 100.326790 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 248 | 140 | Z1 | 11732.600 | 95.594500 | 1.028850 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.400558 | 0.556224 | 0.038917 | 0.176183 | 0.0000 | 97.795232 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 249 | 142 | Z2 | 12601.700 | 96.035700 | 0.921917 | 0.030342 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.046111 | 0.101350 | 0.000000 | 0.116245 | 0.0000 | 97.251665 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 250 | 143 | Z2 | 13035.500 | 97.090100 | 0.288325 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.014063 | 0.052848 | 0.035665 | 0.044731 | 0.0000 | 97.525732 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 251 | 144 | Z2 | 13469.900 | 97.640000 | 0.180988 | 0.115987 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.017608 | 0.088109 | 0.000000 | 0.030287 | 0.0000 | 98.072979 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 252 | 145 | Z2 | 13904.600 | 0.432733 | 0.000000 | 0.064991 | 0.000000 | 0.000000 | 0.000000 | 0.079110 | 19.624600 | 31.893000 | 0.092776 | 0.125948 | 47.5276 | 99.840758 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 253 | 147 | Z2 | 14773.700 | 100.308000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.0000 | 100.308000 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 254 | 148 | Z2 | 15208.400 | 97.315000 | 0.104787 | 0.201336 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.009896 | 0.109515 | 0.000000 | 0.043233 | 0.0000 | 97.783767 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 255 | 149 | Z2 | 15642.800 | 96.813800 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.024394 | 0.000000 | 0.000000 | 0.060717 | 0.028910 | 0.0000 | 96.927821 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 256 | 153 | Z2 | 17381.300 | 97.393300 | 0.476457 | 0.042291 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.106840 | 0.000000 | 0.095293 | 0.0000 | 98.114181 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 257 | 155 | Z2 | 18250.400 | 93.983400 | 0.683357 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.404941 | 1.072120 | 0.000000 | 0.127422 | 0.0000 | 96.271240 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 258 | 156 | Z2 | 18685.100 | 97.699200 | 0.503381 | 0.089330 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.023633 | 0.099136 | 0.036250 | 0.095524 | 0.0000 | 98.546454 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 259 | 157 | Z2 | 19119.500 | 98.016100 | 0.076741 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.069051 | 0.046308 | 0.028808 | 0.0000 | 98.237008 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 260 | 159 | Z2 | 19988.500 | 100.420000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.137033 | 0.000000 | 0.011828 | 0.0000 | 100.568861 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 261 | 160 | Z2 | 20423.300 | 97.200000 | 0.199043 | 0.066980 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.009399 | 0.098093 | 0.000000 | 0.034623 | 0.0000 | 97.608138 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 262 | 164 | Z2 | 22160.500 | 94.914700 | 0.421339 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.412010 | 0.719395 | 0.000000 | 0.096370 | 0.0000 | 96.563814 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 263 | 165 | Z2 | 22595.300 | 97.843400 | 0.694127 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.060484 | 0.353495 | 0.000000 | 0.123459 | 0.0000 | 99.074965 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 264 | 166 | Z3 | 23030.000 | 95.560900 | 0.539319 | 0.120898 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.355980 | 0.588684 | 0.000000 | 0.082803 | 0.0000 | 97.248584 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 265 | 167 | Z3 | 23464.300 | 97.632500 | 0.920613 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.043973 | 0.171635 | 0.000000 | 0.181711 | 0.0000 | 98.950432 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 266 | 168 | Z3 | 23899.100 | 93.630200 | 0.089595 | 0.045502 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.275270 | 2.142970 | 0.000000 | 0.044633 | 0.0000 | 97.228170 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 267 | 169 | Z3 | 24333.400 | 95.779600 | 0.456725 | 0.021380 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.301467 | 0.558643 | 0.000000 | 0.107380 | 0.0000 | 97.225195 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 268 | 170 | Z3 | 24768.100 | 96.980000 | 0.470667 | 0.033116 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.146643 | 0.321981 | 0.054298 | 0.111797 | 0.0000 | 98.118502 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 269 | 171 | Z3 | 25202.900 | 95.996000 | 0.844096 | 0.086538 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.072238 | 0.087720 | 0.033879 | 0.124061 | 0.0000 | 97.244532 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 270 | 172 | Z3 | 25637.200 | 94.410100 | 0.425166 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.366502 | 0.721335 | 0.000000 | 0.081132 | 0.0000 | 96.004235 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 271 | 173 | Z3 | 26072.000 | 97.572700 | 0.268603 | 0.028234 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.090519 | 0.255054 | 0.000000 | 0.076067 | 0.0000 | 98.291177 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 272 | 175 | Z3 | 26941.000 | 97.392700 | 0.184020 | 0.027882 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.147299 | 0.290320 | 0.000000 | 0.063703 | 0.0000 | 98.105924 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 273 | 177 | Z3 | 27810.100 | 96.071500 | 0.686830 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.016526 | 0.020165 | 0.078758 | 0.041547 | 0.132207 | 0.0000 | 97.047533 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 274 | 178 | Z3 | 28244.900 | 97.353000 | 0.444853 | 0.409853 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.113101 | 0.161498 | 0.000000 | 0.063171 | 0.0000 | 98.545476 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 275 | 180 | Z3 | 29113.900 | 96.250600 | 0.565040 | 0.023206 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.381710 | 0.664353 | 0.000000 | 0.098202 | 0.0000 | 97.983111 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 276 | 181 | Z3 | 29548.700 | 93.797000 | 0.415506 | 0.032499 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.388926 | 0.724185 | 0.000000 | 0.097947 | 0.0000 | 95.456063 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 277 | 183 | Z3 | 30416.800 | 0.098530 | 0.000000 | 0.104994 | 0.000000 | 0.000000 | 0.000000 | 0.142197 | 21.026400 | 30.578400 | 0.000000 | 0.113924 | 47.6832 | 99.747645 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 278 | 184 | Z3 | 30851.200 | 98.406000 | 0.124208 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.032311 | 0.128493 | 0.040488 | 0.038933 | 0.0000 | 98.770433 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 279 | 187 | Z3 | 32155.000 | 97.423600 | 0.135408 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.046114 | 0.033246 | 0.036797 | 0.047824 | 0.0000 | 97.722989 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 280 | 188 | Z3 | 32589.700 | 98.391400 | 0.066193 | 0.019786 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.012685 | 0.000000 | 0.036484 | 0.031658 | 0.0000 | 98.558206 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 281 | 189 | Z3 | 33024.000 | 2.938170 | 0.000000 | 0.086309 | 0.000000 | 0.000000 | 0.000000 | 0.033033 | 19.072800 | 30.912000 | 0.120684 | 0.159145 | 47.8822 | 101.204341 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 282 | 191 | Z3 | 33893.100 | 96.807400 | 0.757682 | 0.019724 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.009026 | 0.097363 | 0.000000 | 0.152624 | 0.0000 | 97.843819 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 283 | 192 | Z3 | 34327.900 | 92.644000 | 0.371567 | 0.068860 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.040970 | 2.224910 | 0.000000 | 0.070365 | 0.0000 | 96.420672 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 284 | 193 | Z4 | 34762.600 | 97.777800 | 0.027332 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.008867 | 0.000000 | 0.032783 | 0.029431 | 0.0000 | 97.876213 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 285 | 194 | Z4 | 35196.900 | 98.824100 | 0.073072 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.015066 | 0.000000 | 0.033857 | 0.032661 | 0.0000 | 98.978756 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 286 | 196 | Z4 | 36066.000 | 95.887800 | 0.349697 | 0.030852 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.051279 | 0.111561 | 0.000000 | 0.097003 | 0.0000 | 96.528192 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 287 | 197 | Z4 | 36500.800 | 99.689600 | 0.360275 | 0.000000 | 0.000000 | 0.017459 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.095011 | 0.0000 | 100.162345 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 288 | 199 | Z4 | 37369.800 | 92.509900 | 0.329663 | 0.000000 | 0.019116 | 0.000000 | 0.000000 | 0.000000 | 0.767028 | 1.710250 | 0.000000 | 0.080471 | 0.0000 | 95.416428 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 289 | 200 | Z4 | 37804.600 | 96.782900 | 0.568432 | 0.031353 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.014717 | 0.089632 | 0.000000 | 0.118534 | 0.0000 | 97.605568 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 290 | 201 | Z4 | 38238.900 | 98.760200 | 0.122522 | 0.041689 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.032546 | 0.000000 | 0.000000 | 0.040108 | 0.0000 | 98.997065 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 291 | 202 | Z4 | 38672.700 | 97.837100 | 0.359437 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.043142 | 0.062546 | 0.000000 | 0.084889 | 0.0000 | 98.387114 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 292 | 203 | Z4 | 39107.500 | 96.430000 | 1.067800 | 0.020917 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.019693 | 0.194392 | 0.000000 | 0.205992 | 0.0000 | 97.938794 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 293 | 206 | Z4 | 40410.900 | 95.801800 | 1.096340 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.049219 | 0.153161 | 0.000000 | 0.198669 | 0.0000 | 97.299189 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 294 | 208 | Z4 | 41280.400 | 96.310200 | 0.913991 | 0.545657 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.026876 | 0.112126 | 0.000000 | 0.165348 | 0.0000 | 98.074198 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 295 | 209 | Z4 | 41714.700 | 95.483500 | 1.056610 | 0.203073 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.041115 | 0.150239 | 0.039897 | 0.131960 | 0.0000 | 97.106394 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 296 | 210 | Z4 | 42149.500 | 96.750500 | 0.857423 | 0.050550 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.147187 | 0.068949 | 0.000000 | 0.144246 | 0.0000 | 98.018855 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 297 | 211 | Z4 | 42583.800 | 94.306500 | 1.210510 | 0.539930 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.168365 | 0.390264 | 0.000000 | 0.138708 | 0.0000 | 96.754277 |
| GRB23-HS-12\_Transect | HS12 | HS | 3 | 298 | 212 | Z4 | 43018.500 | 95.744700 | 0.815934 | 0.146463 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.024284 | 0.090443 | 0.000000 | 0.117898 | 0.0000 | 96.939722 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 299 | 554 | Z1 | 38854.100 | 0.144539 | 0.043045 | 0.340615 | 0.000000 | 0.000000 | 0.000000 | 0.084833 | 17.998400 | 33.553400 | 0.266979 | 0.133149 | 47.1373 | 99.702260 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 300 | 553 | Z1 | 38462.000 | 0.720855 | 0.171057 | 0.573417 | 0.000000 | 0.000000 | 0.000000 | 0.096413 | 18.857100 | 31.884700 | 0.248594 | 0.152554 | 47.3870 | 100.091690 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 301 | 552 | Z1 | 38069.000 | 0.027508 | 0.000000 | 0.442882 | 0.000000 | 0.000000 | 0.000000 | 0.113372 | 9.165280 | 43.531100 | 0.108730 | 0.094843 | 45.7381 | 99.221815 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 302 | 549 | Z1 | 36891.800 | 0.000000 | 0.000000 | 0.179366 | 0.000000 | 0.000000 | 0.000000 | 0.104675 | 11.066600 | 40.973000 | 0.280433 | 0.139563 | 46.1532 | 98.896837 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 303 | 547 | Z1 | 36106.700 | 0.000000 | 0.000000 | 0.180758 | 0.000000 | 0.000000 | 0.000000 | 0.035315 | 19.140600 | 31.577700 | 0.314329 | 0.182776 | 47.5372 | 98.968678 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 304 | 546 | Z1 | 35714.600 | 0.103737 | 0.034976 | 1.481350 | 0.000000 | 0.000000 | 0.000000 | 0.138446 | 18.645600 | 31.470100 | 0.092939 | 0.070712 | 47.2843 | 99.322160 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 305 | 545 | Z1 | 35321.500 | 0.078397 | 0.035188 | 0.488606 | 0.000000 | 0.000000 | 0.000000 | 0.086135 | 16.431200 | 35.510000 | 0.244264 | 0.107093 | 46.7953 | 99.776183 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 306 | 544 | Z1 | 34929.500 | 0.072205 | 0.000000 | 0.711069 | 0.000000 | 0.017024 | 0.000000 | 0.106279 | 4.385890 | 49.375200 | 0.196035 | 0.028390 | 44.7397 | 99.631792 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 307 | 543 | Z1 | 34537.400 | 1.133900 | 0.378758 | 0.514025 | 0.000000 | 0.000000 | 0.000000 | 0.083912 | 17.377700 | 31.833700 | 0.175798 | 0.115520 | 47.6611 | 99.274413 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 308 | 542 | Z1 | 34144.400 | 1.375300 | 0.449699 | 0.554394 | 0.000000 | 0.000000 | 0.000000 | 0.063185 | 16.140200 | 35.173500 | 0.264134 | 0.113351 | 46.9212 | 101.054963 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 309 | 541 | Z1 | 33752.300 | 0.026996 | 0.000000 | 0.268772 | 0.000000 | 0.000000 | 0.000000 | 0.082949 | 18.136800 | 34.098900 | 0.210261 | 0.133297 | 47.0225 | 99.980475 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 310 | 540 | Z1 | 33359.200 | 0.333698 | 0.119035 | 0.482309 | 0.000000 | 0.000000 | 0.000000 | 0.098175 | 16.581600 | 35.754300 | 0.190885 | 0.140350 | 46.7249 | 100.425252 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 311 | 539 | Z1 | 32967.200 | 0.074450 | 0.035587 | 0.280643 | 0.000000 | 0.000000 | 0.000000 | 0.069663 | 18.796100 | 32.681100 | 0.248810 | 0.140068 | 47.2905 | 99.616921 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 312 | 536 | Z1 | 31790.000 | 0.034042 | 0.000000 | 0.176877 | 0.000000 | 0.000000 | 0.000000 | 0.034445 | 18.055200 | 33.420200 | 0.262336 | 0.154540 | 47.2298 | 99.367440 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 313 | 535 | Z1 | 31396.900 | 0.021903 | 0.000000 | 1.024700 | 0.000000 | 0.000000 | 0.000000 | 0.108132 | 15.909600 | 35.520400 | 0.145776 | 0.066645 | 46.7289 | 99.526056 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 314 | 534 | Z1 | 31004.900 | 0.221054 | 0.052343 | 0.313357 | 0.000000 | 0.000000 | 0.000000 | 0.054847 | 17.523900 | 34.169900 | 0.207088 | 0.111370 | 47.1036 | 99.757459 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 315 | 533 | Z1 | 30612.800 | 0.475325 | 0.133262 | 0.300953 | 0.000000 | 0.000000 | 0.000000 | 0.065352 | 17.420800 | 32.996200 | 0.189993 | 0.117002 | 47.4230 | 99.121887 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 316 | 532 | Z1 | 30219.700 | 0.297498 | 0.117846 | 0.237242 | 0.000000 | 0.000000 | 0.000000 | 0.054732 | 18.163800 | 33.087000 | 0.293924 | 0.170848 | 47.2550 | 99.677890 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 317 | 531 | Z1 | 29827.700 | 1.188600 | 0.356513 | 0.488769 | 0.000000 | 0.000000 | 0.000000 | 0.061478 | 16.004300 | 33.972900 | 0.201181 | 0.094923 | 47.2950 | 99.663664 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 318 | 530 | Z1 | 29434.600 | 0.000000 | 0.000000 | 0.123911 | 0.000000 | 0.000000 | 0.000000 | 0.029707 | 18.578200 | 33.186800 | 0.225848 | 0.132690 | 47.2598 | 99.536956 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 319 | 529 | Z1 | 29042.600 | 0.909561 | 0.270954 | 0.302497 | 0.000000 | 0.000000 | 0.000000 | 0.074275 | 17.314500 | 33.800300 | 0.243411 | 0.143575 | 47.1837 | 100.242773 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 320 | 528 | Z1 | 28650.500 | 0.416540 | 0.102594 | 0.229555 | 0.000000 | 0.000000 | 0.000000 | 0.065110 | 16.012700 | 35.970900 | 0.247953 | 0.119829 | 46.8311 | 99.996281 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 321 | 527 | Z1 | 28257.400 | 1.189480 | 0.340643 | 0.391392 | 0.000000 | 0.000000 | 0.000000 | 0.071953 | 18.477300 | 32.631100 | 0.144107 | 0.113874 | 47.3610 | 100.720849 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 322 | 526 | Z1 | 27865.400 | 0.230805 | 0.058145 | 0.795591 | 0.000000 | 0.000000 | 0.000000 | 0.061854 | 18.303200 | 32.922100 | 0.181009 | 0.103845 | 47.1556 | 99.812149 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 323 | 525 | Z1 | 27472.300 | 1.639350 | 0.700338 | 0.945210 | 0.000000 | 0.000000 | 0.000000 | 0.079423 | 17.877500 | 31.851000 | 0.198710 | 0.205500 | 47.4009 | 100.897931 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 324 | 524 | Z1 | 27080.300 | 0.336073 | 0.108819 | 0.328646 | 0.000000 | 0.000000 | 0.000000 | 0.080165 | 17.617100 | 33.807600 | 0.281769 | 0.149940 | 47.1138 | 99.823912 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 325 | 523 | Z1 | 26688.200 | 0.000000 | 0.000000 | 0.313806 | 0.000000 | 0.000000 | 0.000000 | 0.272904 | 0.434148 | 54.324800 | 0.129445 | 0.000000 | 44.0969 | 99.572003 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 326 | 522 | Z1 | 26295.100 | 0.044373 | 0.000000 | 0.306377 | 0.000000 | 0.000000 | 0.000000 | 0.072125 | 17.558200 | 33.366700 | 0.259034 | 0.130641 | 47.2747 | 99.012150 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 327 | 521 | Z1 | 25903.100 | 1.700660 | 0.466815 | 0.532919 | 0.000000 | 0.000000 | 0.000000 | 0.071982 | 18.324700 | 32.326500 | 0.197099 | 0.117453 | 47.3918 | 101.129928 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 328 | 519 | Z1 | 25117.900 | 0.075752 | 0.000000 | 0.255889 | 0.000000 | 0.000000 | 0.000000 | 0.035938 | 18.840800 | 32.623700 | 0.299352 | 0.173440 | 47.2875 | 99.592371 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 329 | 517 | Z1 | 24332.800 | 3.179370 | 0.821176 | 0.308695 | 0.021355 | 0.000000 | 0.000000 | 0.098291 | 8.987700 | 40.471500 | 0.115311 | 0.094934 | 46.6362 | 100.734532 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 330 | 516 | Z1 | 23940.800 | 0.822182 | 0.223311 | 0.150177 | 0.000000 | 0.000000 | 0.000000 | 0.061396 | 17.324800 | 33.385500 | 0.257223 | 0.174687 | 47.3310 | 99.730276 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 331 | 515 | Z1 | 23547.700 | 0.000000 | 0.000000 | 0.181432 | 0.000000 | 0.000000 | 0.000000 | 0.037408 | 18.680900 | 33.261200 | 0.342646 | 0.182796 | 47.1493 | 99.835682 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 332 | 514 | Z1 | 23155.600 | 3.992810 | 1.076620 | 0.940485 | 0.000000 | 0.000000 | 0.000000 | 0.123817 | 11.182000 | 33.550700 | 0.110170 | 0.062406 | 47.9642 | 99.003208 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 333 | 513 | Z1 | 22762.600 | 0.631274 | 0.114469 | 0.213190 | 0.000000 | 0.000000 | 0.000000 | 0.191376 | 4.640360 | 50.068000 | 0.055563 | 0.030478 | 44.7665 | 100.711210 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 334 | 512 | Z1 | 22370.500 | 0.082079 | 0.000000 | 0.246257 | 0.000000 | 0.000000 | 0.000000 | 0.064602 | 18.213400 | 33.037200 | 0.314087 | 0.166382 | 47.2522 | 99.376207 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 335 | 511 | Z1 | 21978.500 | 0.049078 | 0.000000 | 0.240017 | 0.000000 | 0.000000 | 0.000000 | 0.067092 | 18.599600 | 32.162900 | 0.299170 | 0.149933 | 47.4401 | 99.007890 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 336 | 510 | Z1 | 21585.400 | 0.317877 | 0.086939 | 0.428248 | 0.000000 | 0.000000 | 0.000000 | 0.075105 | 17.744200 | 33.620000 | 0.248028 | 0.106588 | 47.1464 | 99.773385 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 337 | 508 | Z1 | 20800.300 | 0.022849 | 0.000000 | 0.638138 | 0.000000 | 0.000000 | 0.000000 | 0.104138 | 14.459500 | 37.616200 | 0.282738 | 0.061030 | 46.4499 | 99.634493 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 338 | 507 | Z2 | 20408.200 | 0.021173 | 0.000000 | 1.002820 | 0.000000 | 0.000000 | 0.000000 | 0.106578 | 17.468200 | 34.305900 | 0.182711 | 0.068038 | 46.8404 | 99.995820 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 339 | 506 | Z2 | 20016.100 | 0.115802 | 0.032887 | 0.324728 | 0.000000 | 0.000000 | 0.000000 | 0.074642 | 17.931000 | 33.261400 | 0.207947 | 0.129518 | 47.2642 | 99.342124 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 340 | 505 | Z2 | 19623.100 | 0.071529 | 0.000000 | 0.210814 | 0.000000 | 0.000000 | 0.000000 | 0.062342 | 16.796500 | 34.476600 | 0.329649 | 0.167620 | 47.0689 | 99.183954 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 341 | 504 | Z2 | 19231.000 | 0.171277 | 0.057928 | 0.234958 | 0.000000 | 0.000000 | 0.000000 | 0.049430 | 17.324200 | 34.773400 | 0.288131 | 0.137533 | 46.9366 | 99.973457 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 342 | 503 | Z2 | 18838.000 | 0.056001 | 0.000000 | 0.534881 | 0.000000 | 0.000000 | 0.000000 | 0.068010 | 15.835500 | 35.377600 | 0.235629 | 0.106371 | 46.9044 | 99.118392 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 343 | 502 | Z2 | 18445.900 | 0.000000 | 0.000000 | 0.191417 | 0.000000 | 0.000000 | 0.000000 | 0.043008 | 17.853700 | 34.101500 | 0.246495 | 0.142305 | 47.0828 | 99.661225 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 344 | 501 | Z2 | 18053.800 | 0.000000 | 0.000000 | 0.290050 | 0.000000 | 0.000000 | 0.000000 | 0.239218 | 0.385793 | 54.542200 | 0.223005 | 0.000000 | 44.0218 | 99.702066 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 345 | 500 | Z2 | 17660.800 | 6.765950 | 1.490780 | 0.591318 | 0.000000 | 0.000000 | 0.000000 | 0.149732 | 2.385630 | 40.034100 | 0.064431 | 0.015661 | 47.6144 | 99.112002 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 346 | 499 | Z2 | 17268.700 | 0.000000 | 0.000000 | 0.261534 | 0.000000 | 0.000000 | 0.000000 | 0.057819 | 17.636700 | 32.909100 | 0.314309 | 0.148162 | 47.3734 | 98.701024 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 347 | 498 | Z2 | 16875.600 | 1.000470 | 0.268388 | 0.519503 | 0.000000 | 0.000000 | 0.000000 | 0.071822 | 17.656700 | 32.979200 | 0.275074 | 0.129732 | 47.2895 | 100.190389 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 348 | 497 | Z2 | 16483.600 | 0.143508 | 0.036198 | 0.425747 | 0.000000 | 0.000000 | 0.000000 | 0.060359 | 15.889200 | 36.186300 | 0.261702 | 0.109686 | 46.7307 | 99.843400 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 349 | 496 | Z2 | 16091.500 | 0.000000 | 0.000000 | 0.186673 | 0.000000 | 0.000000 | 0.000000 | 0.078756 | 17.839400 | 34.559800 | 0.234085 | 0.142525 | 46.9666 | 100.007839 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 350 | 495 | Z2 | 15698.500 | 0.541222 | 0.196924 | 0.456019 | 0.000000 | 0.000000 | 0.000000 | 0.057909 | 18.170700 | 31.776600 | 0.220328 | 0.102227 | 47.5767 | 99.098629 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 351 | 494 | Z2 | 15306.400 | 0.243107 | 0.090327 | 0.412240 | 0.000000 | 0.000000 | 0.000000 | 0.052291 | 18.149900 | 32.813500 | 0.228264 | 0.109233 | 47.3149 | 99.413762 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 352 | 493 | Z2 | 14913.300 | 0.019557 | 0.000000 | 0.180784 | 0.000000 | 0.000000 | 0.000000 | 0.023757 | 18.637500 | 31.942800 | 0.340884 | 0.163854 | 47.5033 | 98.812436 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 353 | 492 | Z2 | 14521.300 | 0.137041 | 0.024462 | 0.230065 | 0.000000 | 0.000000 | 0.000000 | 0.031791 | 17.832000 | 32.481300 | 0.257218 | 0.151698 | 47.4896 | 98.635175 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 354 | 491 | Z2 | 14129.200 | 0.000000 | 0.000000 | 0.275894 | 0.000000 | 0.000000 | 0.000000 | 0.057962 | 19.233100 | 32.894400 | 0.282258 | 0.135410 | 47.1685 | 100.047524 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 355 | 490 | Z2 | 13736.200 | 0.000000 | 0.000000 | 0.291383 | 0.000000 | 0.000000 | 0.000000 | 0.054873 | 18.762100 | 32.899700 | 0.231042 | 0.122103 | 47.2419 | 99.603101 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 356 | 489 | Z2 | 13344.100 | 0.058739 | 0.000000 | 0.285870 | 0.000000 | 0.000000 | 0.000000 | 0.037762 | 15.386900 | 37.190200 | 0.301575 | 0.113752 | 46.5650 | 99.939798 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 357 | 488 | Z2 | 12951.000 | 0.102146 | 0.019118 | 0.302709 | 0.000000 | 0.000000 | 0.000000 | 0.059442 | 18.523300 | 33.082700 | 0.232059 | 0.137214 | 47.2234 | 99.682088 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 358 | 487 | Z2 | 12559.000 | 2.678790 | 0.722506 | 0.544620 | 0.000000 | 0.000000 | 0.000000 | 0.080430 | 15.058100 | 33.271700 | 0.269955 | 0.124146 | 47.5540 | 100.304247 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 359 | 486 | Z2 | 12166.900 | 0.279228 | 0.059971 | 0.426749 | 0.000000 | 0.000000 | 0.000000 | 0.083189 | 15.914700 | 35.367400 | 0.300105 | 0.144610 | 46.8945 | 99.470452 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 360 | 484 | Z3 | 11381.800 | 0.130218 | 0.000000 | 0.219700 | 0.019768 | 0.000000 | 0.000000 | 0.057781 | 14.112700 | 38.040300 | 0.359475 | 0.145593 | 46.4854 | 99.570935 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 361 | 483 | Z3 | 10988.700 | 0.038540 | 0.000000 | 0.341722 | 0.000000 | 0.000000 | 0.000000 | 0.111411 | 18.206200 | 32.751300 | 0.239476 | 0.177265 | 47.3136 | 99.179514 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 362 | 482 | Z3 | 10596.700 | 0.520506 | 0.188258 | 0.389149 | 0.000000 | 0.000000 | 0.000000 | 0.141009 | 6.167690 | 48.831200 | 0.166093 | 0.032851 | 44.8132 | 101.249956 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 363 | 481 | Z3 | 10204.600 | 0.000000 | 0.000000 | 0.228528 | 0.000000 | 0.000000 | 0.000000 | 0.209717 | 0.362256 | 54.655900 | 0.140548 | 0.015532 | 44.0596 | 99.672081 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 364 | 480 | Z3 | 9811.530 | 0.324809 | 0.059640 | 0.498381 | 0.000000 | 0.000000 | 0.000000 | 0.066056 | 18.991800 | 30.664700 | 0.224367 | 0.163265 | 47.7313 | 98.724318 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 365 | 479 | Z3 | 9419.480 | 0.080468 | 0.000000 | 0.355416 | 0.000000 | 0.000000 | 0.000000 | 0.185689 | 3.722260 | 50.213600 | 0.051614 | 0.014118 | 44.7681 | 99.391265 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 366 | 478 | Z3 | 9026.420 | 0.975816 | 0.282056 | 0.480218 | 0.000000 | 0.015467 | 0.000000 | 0.042067 | 16.778900 | 34.401300 | 0.248230 | 0.127097 | 47.0543 | 100.405451 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 367 | 477 | Z3 | 8634.360 | 0.388396 | 0.107939 | 0.372086 | 0.000000 | 0.000000 | 0.000000 | 0.062388 | 16.886000 | 34.150000 | 0.253099 | 0.144920 | 47.1278 | 99.492628 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 368 | 476 | Z3 | 8241.300 | 0.504759 | 0.071012 | 0.297942 | 0.000000 | 0.000000 | 0.000000 | 0.116468 | 7.769210 | 43.799300 | 0.126656 | 0.042183 | 45.9079 | 98.635430 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 369 | 475 | Z3 | 7849.230 | 0.080751 | 0.024270 | 0.396896 | 0.000000 | 0.000000 | 0.000000 | 0.038433 | 14.331500 | 36.463600 | 0.271559 | 0.132949 | 46.8586 | 98.598558 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 370 | 474 | Z3 | 7457.170 | 0.344069 | 0.062171 | 0.475408 | 0.000000 | 0.000000 | 0.000000 | 0.051939 | 18.601900 | 32.401100 | 0.213339 | 0.141698 | 47.3448 | 99.636424 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 371 | 473 | Z3 | 7064.110 | 0.613972 | 0.139793 | 0.473655 | 0.000000 | 0.000000 | 0.000000 | 0.044925 | 18.834600 | 31.543000 | 0.173167 | 0.164133 | 47.5508 | 99.538045 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 372 | 472 | Z3 | 6672.050 | 0.130509 | 0.046825 | 0.238496 | 0.000000 | 0.000000 | 0.000000 | 0.084019 | 14.323900 | 38.648800 | 0.276261 | 0.129092 | 46.3305 | 100.208402 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 373 | 471 | Z3 | 6278.980 | 0.000000 | 0.000000 | 0.248533 | 0.000000 | 0.000000 | 0.000000 | 0.199301 | 0.348672 | 55.159300 | 0.169057 | 0.000000 | 43.9313 | 100.056163 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 374 | 470 | Z3 | 5886.920 | 0.000000 | 0.000000 | 0.131772 | 0.000000 | 0.000000 | 0.000000 | 0.074171 | 0.151466 | 55.491900 | 0.373690 | 0.000000 | 43.8702 | 100.093199 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 375 | 469 | Z3 | 5494.860 | 0.000000 | 0.000000 | 0.252821 | 0.000000 | 0.000000 | 0.000000 | 0.190144 | 0.375794 | 53.254100 | 0.173666 | 0.000000 | 44.3701 | 98.616625 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 376 | 468 | Z3 | 5101.800 | 0.136174 | 0.049678 | 0.229593 | 0.000000 | 0.000000 | 0.000000 | 0.084316 | 17.889000 | 33.300900 | 0.334164 | 0.161753 | 47.2209 | 99.406478 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 377 | 467 | Z3 | 4709.730 | 0.113414 | 0.000000 | 0.253633 | 0.000000 | 0.000000 | 0.000000 | 0.029666 | 17.613300 | 33.873800 | 0.276901 | 0.151051 | 47.1327 | 99.444465 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 378 | 466 | Z3 | 4316.670 | 0.274569 | 0.090142 | 0.288056 | 0.000000 | 0.000000 | 0.000000 | 0.060174 | 17.018000 | 33.711500 | 0.279149 | 0.171993 | 47.2281 | 99.121683 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 379 | 465 | Z3 | 3924.610 | 0.634267 | 0.145063 | 0.227552 | 0.000000 | 0.000000 | 0.000000 | 0.174068 | 1.540470 | 52.408500 | 0.139966 | 0.022366 | 44.5023 | 99.794552 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 380 | 463 | Z3 | 3139.500 | 0.000000 | 0.000000 | 0.265424 | 0.000000 | 0.000000 | 0.000000 | 0.041542 | 17.719200 | 34.041700 | 0.272193 | 0.175926 | 47.0660 | 99.581985 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 381 | 462 | Z3 | 2747.440 | 0.000000 | 0.000000 | 0.184350 | 0.000000 | 0.000000 | 0.000000 | 0.146006 | 0.283072 | 56.218500 | 0.279523 | 0.000000 | 43.6921 | 100.803551 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 382 | 461 | Z3 | 2354.380 | 0.000000 | 0.000000 | 0.186300 | 0.000000 | 0.000000 | 0.000000 | 0.137157 | 0.256308 | 55.381600 | 0.296375 | 0.000000 | 43.8792 | 100.136940 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 383 | 458 | Z3 | 1177.190 | 0.607670 | 0.182062 | 0.971269 | 0.000000 | 0.000000 | 0.000000 | 0.081681 | 17.883400 | 31.630300 | 0.170313 | 0.113258 | 47.4944 | 99.134353 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 384 | 457 | Z3 | 785.125 | 0.136354 | 0.049644 | 0.250273 | 0.000000 | 0.000000 | 0.000000 | 0.189265 | 5.097000 | 47.696500 | 0.202916 | 0.052947 | 45.1815 | 98.856399 |
| GRB24-HS5-13\_Transect | HS5x13 | HS | 10 | 385 | 455 | Z3 | 0.000 | 0.028823 | 0.000000 | 0.268036 | 0.000000 | 0.000000 | 0.000000 | 0.163385 | 0.403527 | 54.910700 | 0.200338 | 0.000000 | 43.9735 | 99.948309 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 386 | 114 | Z1 | 0.000 | 0.197380 | 0.046703 | 0.918778 | 0.000000 | 0.000000 | 0.000000 | 0.052285 | 9.964840 | 43.497300 | 0.309020 | 0.094625 | 45.4470 | 100.527931 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 387 | 115 | Z1 | 229.000 | 0.026779 | 0.000000 | 0.452566 | 0.000000 | 0.000000 | 0.000000 | 0.035944 | 3.713420 | 50.515700 | 0.399169 | 0.067347 | 44.5621 | 99.773025 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 388 | 116 | Z1 | 458.264 | 0.000000 | 0.000000 | 1.073360 | 0.000000 | 0.000000 | 0.000000 | 0.066407 | 16.321200 | 34.090900 | 0.333239 | 0.142451 | 46.9547 | 98.982257 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 389 | 121 | Z1 | 1604.760 | 0.120478 | 0.036237 | 1.433220 | 0.000000 | 0.000000 | 0.000000 | 0.066940 | 11.740600 | 40.098800 | 0.228790 | 0.095765 | 45.9342 | 99.755030 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 390 | 122 | Z1 | 1834.720 | 1.605170 | 0.438020 | 1.550270 | 0.000000 | 0.000000 | 0.000000 | 0.104232 | 14.198400 | 33.857300 | 0.195109 | 0.132460 | 47.1970 | 99.277961 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 391 | 123 | Z1 | 2063.990 | 0.110336 | 0.063491 | 0.174509 | 0.000000 | 0.000000 | 0.000000 | 0.308020 | 0.314021 | 54.957700 | 0.000000 | 0.016115 | 44.0313 | 99.975492 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 392 | 125 | Z1 | 2522.250 | 0.110096 | 0.034640 | 0.245870 | 0.000000 | 0.000000 | 0.000000 | 0.248238 | 0.863682 | 53.394600 | 0.101112 | 0.000000 | 44.3165 | 99.314738 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 393 | 126 | Z1 | 2752.220 | 0.066183 | 0.000000 | 0.983735 | 0.000000 | 0.000000 | 0.000000 | 0.077132 | 6.600310 | 46.953400 | 0.348757 | 0.077651 | 44.9338 | 100.040968 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 394 | 127 | Z1 | 2981.480 | 0.071879 | 0.000000 | 0.240371 | 0.000000 | 0.000000 | 0.000000 | 0.057107 | 2.269150 | 52.643300 | 0.485029 | 0.038532 | 44.2442 | 100.049568 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 395 | 128 | Z1 | 3210.480 | 0.022289 | 0.000000 | 0.538122 | 0.000000 | 0.000000 | 0.000000 | 0.066180 | 5.803250 | 49.002600 | 0.351488 | 0.076169 | 44.6738 | 100.533898 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 396 | 131 | Z1 | 3898.710 | 0.078876 | 0.000000 | 0.208359 | 0.000000 | 0.000000 | 0.000000 | 0.346555 | 0.273591 | 55.531400 | 0.089993 | 0.000000 | 43.8640 | 100.392774 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 397 | 132 | Z1 | 4127.980 | 0.771459 | 0.219576 | 2.146150 | 0.000000 | 0.000000 | 0.000000 | 0.078281 | 10.454800 | 39.937900 | 0.273303 | 0.096984 | 45.9048 | 99.883253 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 398 | 133 | Z1 | 4356.980 | 0.201566 | 0.026575 | 0.680960 | 0.000000 | 0.000000 | 0.000000 | 0.058793 | 3.481580 | 50.408600 | 0.406214 | 0.046867 | 44.5420 | 99.853155 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 399 | 134 | Z1 | 4586.240 | 0.000000 | 0.020939 | 0.152784 | 0.000000 | 0.000000 | 0.000000 | 0.064431 | 0.865241 | 54.286700 | 0.419211 | 0.048474 | 44.0390 | 99.896780 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 400 | 135 | Z1 | 4815.240 | 0.112864 | 0.030392 | 0.653517 | 0.000000 | 0.000000 | 0.000000 | 0.066456 | 3.768440 | 48.843100 | 0.298326 | 0.057810 | 44.9217 | 98.752605 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 401 | 136 | Z2 | 5045.470 | 0.051164 | 0.000000 | 0.193875 | 0.000000 | 0.000000 | 0.000000 | 0.049139 | 1.101970 | 54.737200 | 0.488093 | 0.032460 | 43.8954 | 100.549301 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 402 | 137 | Z2 | 5274.470 | 0.000000 | 0.000000 | 0.135744 | 0.000000 | 0.000000 | 0.000000 | 0.020493 | 0.899264 | 54.883900 | 0.232206 | 0.021596 | 43.9976 | 100.190803 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 403 | 138 | Z2 | 5503.470 | 0.133411 | 0.000000 | 0.308414 | 0.000000 | 0.000000 | 0.000000 | 0.045719 | 2.091970 | 52.325300 | 0.383443 | 0.055408 | 44.3500 | 99.693665 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 404 | 139 | Z2 | 5732.730 | 0.000000 | 0.000000 | 0.219679 | 0.000000 | 0.000000 | 0.000000 | 0.047253 | 1.193770 | 54.134900 | 0.413493 | 0.049179 | 44.0257 | 100.083974 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 405 | 140 | Z2 | 5962.700 | 0.034756 | 0.000000 | 1.422680 | 0.000000 | 0.000000 | 0.000000 | 0.088260 | 8.457710 | 42.787100 | 0.215849 | 0.100507 | 45.6535 | 98.760362 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 406 | 141 | Z2 | 6191.960 | 1.058610 | 0.249639 | 1.806740 | 0.000000 | 0.000000 | 0.000000 | 0.074169 | 16.944000 | 31.220100 | 0.287434 | 0.227939 | 47.3771 | 99.245731 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 407 | 142 | Z2 | 6420.960 | 0.030051 | 0.000000 | 0.248142 | 0.000000 | 0.000000 | 0.000000 | 0.044634 | 2.329260 | 52.144100 | 0.458862 | 0.065108 | 44.3585 | 99.678657 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 408 | 144 | Z2 | 6879.230 | 0.290065 | 0.000000 | 5.065660 | 0.000000 | 0.000000 | 0.000000 | 0.087223 | 7.592970 | 43.682300 | 0.227764 | 0.149834 | 44.3677 | 101.463516 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 409 | 145 | Z2 | 7109.190 | 0.000000 | 0.000000 | 0.373989 | 0.000000 | 0.000000 | 0.000000 | 0.065699 | 3.310270 | 51.759800 | 0.388989 | 0.082741 | 44.3332 | 100.314688 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 410 | 146 | Z2 | 7338.460 | 0.000000 | 0.000000 | 1.048020 | 0.000000 | 0.000000 | 0.000000 | 0.083234 | 6.290190 | 45.293200 | 0.405055 | 0.109245 | 45.3311 | 98.560044 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 411 | 148 | Z2 | 7796.720 | 0.000000 | 0.000000 | 0.104369 | 0.000000 | 0.000000 | 0.000000 | 0.094204 | 0.558699 | 55.280800 | 0.265915 | 0.015922 | 43.9173 | 100.237209 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 412 | 149 | Z2 | 8025.720 | 0.123236 | 0.021082 | 0.289255 | 0.000000 | 0.000000 | 0.000000 | 0.098394 | 1.561160 | 53.421200 | 0.265453 | 0.025784 | 44.2010 | 100.006564 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 413 | 150 | Z2 | 8255.950 | 0.204961 | 0.044942 | 0.413735 | 0.000000 | 0.000000 | 0.000000 | 0.097073 | 3.156630 | 50.364200 | 0.298230 | 0.083208 | 44.6916 | 99.354579 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 414 | 151 | Z2 | 8484.950 | 0.191395 | 0.052416 | 0.174686 | 0.000000 | 0.000000 | 0.000000 | 0.082251 | 0.518126 | 55.071000 | 0.281049 | 0.014364 | 43.9578 | 100.343087 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 415 | 152 | Z2 | 8714.210 | 0.000000 | 0.000000 | 1.309160 | 0.000000 | 0.014812 | 0.000000 | 0.077041 | 11.493000 | 41.452000 | 0.255792 | 0.160442 | 45.6225 | 100.384747 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 416 | 153 | Z2 | 8943.210 | 0.000000 | 0.000000 | 0.787083 | 0.000000 | 0.000000 | 0.000000 | 0.079090 | 4.747490 | 47.832500 | 0.304268 | 0.066233 | 45.0126 | 98.829264 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 417 | 155 | Z2 | 9402.440 | 0.028140 | 0.000000 | 0.246184 | 0.000000 | 0.000000 | 0.000000 | 0.076009 | 0.779928 | 54.500500 | 0.265658 | 0.072825 | 44.0277 | 99.996944 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 418 | 156 | Z2 | 9631.440 | 0.000000 | 0.000000 | 0.378431 | 0.000000 | 0.000000 | 0.000000 | 0.062747 | 1.877700 | 52.716600 | 0.355443 | 0.050822 | 44.2594 | 99.701143 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 419 | 157 | Z2 | 9860.700 | 0.029314 | 0.000000 | 0.269675 | 0.000000 | 0.000000 | 0.000000 | 0.075227 | 1.395300 | 53.393900 | 0.298550 | 0.035903 | 44.2134 | 99.711269 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 420 | 158 | Z2 | 10089.700 | 0.000000 | 0.000000 | 0.210463 | 0.000000 | 0.000000 | 0.000000 | 0.040700 | 0.933992 | 54.138500 | 0.389738 | 0.059254 | 44.0727 | 99.845347 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 421 | 159 | Z2 | 10319.900 | 0.000000 | 0.000000 | 2.360320 | 0.000000 | 0.000000 | 0.000000 | 0.115300 | 9.067590 | 43.182100 | 0.191834 | 0.062024 | 45.1965 | 100.175668 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 422 | 160 | Z2 | 10548.900 | 0.025283 | 0.000000 | 0.154843 | 0.000000 | 0.000000 | 0.000000 | 0.082897 | 0.787233 | 54.403100 | 0.181114 | 0.000000 | 44.1263 | 99.760770 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 423 | 161 | Z2 | 10777.900 | 0.000000 | 0.000000 | 0.239455 | 0.000000 | 0.000000 | 0.000000 | 0.044338 | 0.591093 | 54.646600 | 0.381583 | 0.097797 | 43.9665 | 99.967366 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 424 | 162 | Z2 | 11007.200 | 0.050186 | 0.000000 | 0.109565 | 0.000000 | 0.000000 | 0.000000 | 0.030295 | 0.390274 | 55.081600 | 0.374063 | 0.065751 | 43.9425 | 100.044234 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 425 | 163 | Z3 | 11236.200 | 0.000000 | 0.000000 | 0.718146 | 0.000000 | 0.000000 | 0.000000 | 0.023370 | 5.808860 | 47.186600 | 0.276109 | 0.100825 | 45.0802 | 99.194110 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 426 | 165 | Z3 | 11695.400 | 0.699795 | 0.224827 | 0.952697 | 0.000000 | 0.000000 | 0.000000 | 0.084968 | 5.545050 | 48.097400 | 0.322637 | 0.095804 | 44.8246 | 100.847778 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 427 | 166 | Z3 | 11924.700 | 0.105647 | 0.000000 | 2.181860 | 0.000000 | 0.000000 | 0.000000 | 0.080164 | 17.356500 | 31.918500 | 0.207071 | 0.269355 | 47.0224 | 99.141497 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 428 | 169 | Z3 | 12612.900 | 0.000000 | 0.000000 | 0.240874 | 0.000000 | 0.000000 | 0.000000 | 0.042640 | 1.203850 | 54.447500 | 0.344841 | 0.049463 | 43.9944 | 100.323568 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 429 | 171 | Z3 | 13071.200 | 0.042265 | 0.019389 | 0.198748 | 0.000000 | 0.000000 | 0.000000 | 0.046563 | 1.492520 | 52.521200 | 0.327689 | 0.049584 | 44.4192 | 99.117158 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 430 | 173 | Z3 | 13530.400 | 0.031166 | 0.000000 | 0.164783 | 0.000000 | 0.000000 | 0.000000 | 0.042682 | 1.203580 | 53.682000 | 0.353740 | 0.043213 | 44.1795 | 99.700664 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 431 | 176 | Z3 | 14217.700 | 0.039267 | 0.000000 | 0.514736 | 0.000000 | 0.000000 | 0.000000 | 0.059982 | 2.558340 | 51.031900 | 0.364831 | 0.063725 | 44.5444 | 99.177181 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 432 | 177 | Z3 | 14446.700 | 0.000000 | 0.000000 | 0.400804 | 0.000000 | 0.000000 | 0.000000 | 0.030239 | 5.106560 | 50.722900 | 0.318279 | 0.089858 | 44.4082 | 101.076840 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 433 | 178 | Z3 | 14676.900 | 0.000000 | 0.000000 | 1.050800 | 0.000000 | 0.000000 | 0.000000 | 0.062954 | 9.352520 | 42.954300 | 0.325603 | 0.135411 | 45.5836 | 99.465188 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 434 | 179 | Z3 | 14905.900 | 0.125675 | 0.027857 | 1.433220 | 0.000000 | 0.000000 | 0.000000 | 0.078557 | 16.207300 | 33.382800 | 0.260437 | 0.177267 | 47.0525 | 98.745613 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 435 | 180 | Z4 | 15135.200 | 0.000000 | 0.000000 | 0.299436 | 0.000000 | 0.000000 | 0.000000 | 0.070780 | 1.310060 | 54.025400 | 0.391061 | 0.046395 | 44.0277 | 100.170832 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 436 | 181 | Z4 | 15364.200 | 0.000000 | 0.000000 | 0.215200 | 0.000000 | 0.000000 | 0.000000 | 0.053052 | 0.798141 | 54.865900 | 0.399325 | 0.040267 | 43.9149 | 100.286785 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 437 | 182 | Z4 | 15593.400 | 0.000000 | 0.000000 | 0.234903 | 0.000000 | 0.000000 | 0.000000 | 0.056023 | 0.693421 | 54.115600 | 0.422824 | 0.061112 | 44.0784 | 99.662283 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 438 | 183 | Z4 | 15823.400 | 0.000000 | 0.000000 | 2.154830 | 0.000000 | 0.000000 | 0.000000 | 0.070570 | 18.467100 | 30.906600 | 0.297915 | 0.187120 | 47.1425 | 99.226635 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 439 | 184 | Z4 | 16052.400 | 0.055927 | 0.000000 | 2.612550 | 0.000000 | 0.000000 | 0.000000 | 0.094793 | 15.136700 | 34.713000 | 0.204260 | 0.239872 | 46.4554 | 99.512502 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 440 | 185 | Z4 | 16281.700 | 0.000000 | 0.000000 | 1.006800 | 0.000000 | 0.000000 | 0.000000 | 0.093528 | 7.669080 | 45.861200 | 0.262507 | 0.118131 | 45.0934 | 100.104646 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 441 | 186 | Z4 | 16510.700 | 0.000000 | 0.000000 | 0.326054 | 0.000000 | 0.000000 | 0.000000 | 0.066091 | 1.506370 | 53.353600 | 0.353581 | 0.034122 | 44.1664 | 99.806218 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 442 | 187 | Z4 | 16740.900 | 0.031695 | 0.000000 | 0.366107 | 0.000000 | 0.000000 | 0.000000 | 0.067538 | 2.510000 | 50.908800 | 0.272194 | 0.069015 | 44.6572 | 98.882549 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 443 | 188 | Z4 | 16969.900 | 0.000000 | 0.000000 | 0.501854 | 0.000000 | 0.000000 | 0.000000 | 0.070781 | 4.117920 | 51.125000 | 0.339649 | 0.089120 | 44.3643 | 100.608624 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 444 | 189 | Z4 | 17199.200 | 0.184202 | 0.034018 | 0.311692 | 0.000000 | 0.000000 | 0.000000 | 0.118220 | 0.838138 | 53.670100 | 0.120919 | 0.000000 | 44.2715 | 99.548789 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 445 | 190 | Z4 | 17428.200 | 0.000000 | 0.000000 | 0.237126 | 0.000000 | 0.017555 | 0.000000 | 0.051239 | 1.225380 | 53.918300 | 0.391935 | 0.049022 | 44.0760 | 99.966557 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 446 | 191 | Z4 | 17657.200 | 0.067250 | 0.000000 | 1.430170 | 0.000000 | 0.000000 | 0.000000 | 0.057139 | 0.809303 | 53.921600 | 0.407051 | 0.055663 | 43.7628 | 100.510976 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 447 | 192 | Z4 | 17887.400 | 0.000000 | 0.000000 | 0.308154 | 0.000000 | 0.000000 | 0.000000 | 0.070716 | 1.865100 | 52.615800 | 0.410568 | 0.064072 | 44.2833 | 99.617710 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 448 | 193 | Z4 | 18116.400 | 0.064167 | 0.000000 | 2.091850 | 0.000000 | 0.000000 | 0.000000 | 0.071343 | 16.019300 | 33.699600 | 0.241024 | 0.173444 | 46.7781 | 99.138828 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 449 | 194 | Z4 | 18345.600 | 0.000000 | 0.000000 | 0.174700 | 0.000000 | 0.000000 | 0.000000 | 0.026838 | 0.712663 | 55.398400 | 0.383215 | 0.049805 | 43.8164 | 100.562021 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 450 | 195 | Z4 | 18574.600 | 0.229834 | 0.043314 | 0.407458 | 0.000000 | 0.000000 | 0.000000 | 0.086312 | 1.571330 | 52.534200 | 0.367429 | 0.057390 | 44.3336 | 99.630867 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 451 | 196 | Z4 | 18803.900 | 0.051577 | 0.000000 | 1.455240 | 0.000000 | 0.000000 | 0.000000 | 0.140475 | 10.286100 | 41.924900 | 0.279025 | 0.127664 | 45.5897 | 99.854681 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 452 | 197 | Z4 | 19033.900 | 0.756292 | 0.155479 | 0.484235 | 0.000000 | 0.000000 | 0.000000 | 0.093528 | 1.043300 | 53.607100 | 0.418295 | 0.061248 | 44.1098 | 100.729277 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 453 | 198 | Z4 | 19263.100 | 0.000000 | 0.000000 | 0.198207 | 0.000000 | 0.000000 | 0.000000 | 0.057181 | 0.753874 | 54.676600 | 0.323261 | 0.022208 | 43.9999 | 100.031231 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 454 | 199 | Z4 | 19492.100 | 0.063997 | 0.000000 | 0.790948 | 0.000000 | 0.000000 | 0.000000 | 0.047203 | 18.782900 | 32.093600 | 0.255441 | 0.152619 | 47.2751 | 99.461808 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 455 | 201 | Z4 | 19951.400 | 0.000000 | 0.000000 | 0.305187 | 0.000000 | 0.000000 | 0.000000 | 0.051201 | 0.777166 | 54.921900 | 0.414913 | 0.042827 | 43.8694 | 100.382594 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 456 | 203 | Z4 | 20409.600 | 0.080851 | 0.000000 | 0.234657 | 0.000000 | 0.000000 | 0.000000 | 0.083163 | 0.573433 | 55.088100 | 0.338693 | 0.026151 | 43.8921 | 100.317148 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 457 | 204 | Z4 | 20638.600 | 0.047463 | 0.000000 | 1.547910 | 0.000000 | 0.000000 | 0.000000 | 0.151897 | 5.430370 | 46.612400 | 0.168664 | 0.044432 | 45.0339 | 99.037036 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 458 | 205 | Z4 | 20867.900 | 0.000000 | 0.000000 | 0.276986 | 0.000000 | 0.000000 | 0.000000 | 0.108141 | 1.435940 | 53.544100 | 0.325103 | 0.022628 | 44.1616 | 99.874498 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 459 | 206 | Z4 | 21097.900 | 0.000000 | 0.000000 | 0.107118 | 0.000000 | 0.000000 | 0.000000 | 0.105791 | 0.626144 | 55.203800 | 0.194305 | 0.000000 | 43.9569 | 100.194058 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 460 | 207 | Z4 | 21326.900 | 0.023610 | 0.000000 | 0.226270 | 0.000000 | 0.000000 | 0.000000 | 0.050298 | 0.729569 | 54.859000 | 0.466900 | 0.067869 | 43.8855 | 100.309016 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 461 | 208 | Z4 | 21556.100 | 0.000000 | 0.000000 | 0.163024 | 0.000000 | 0.000000 | 0.000000 | 0.036110 | 1.393810 | 54.195400 | 0.376910 | 0.047131 | 44.0385 | 100.250885 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 462 | 209 | Z4 | 21785.100 | 0.000000 | 0.000000 | 0.238538 | 0.000000 | 0.000000 | 0.000000 | 0.057264 | 1.332990 | 53.628400 | 0.382615 | 0.035935 | 44.1456 | 99.821342 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 463 | 210 | Z4 | 22014.400 | 0.000000 | 0.000000 | 0.513198 | 0.000000 | 0.000000 | 0.000000 | 0.046688 | 4.207890 | 50.834500 | 0.387783 | 0.072105 | 44.4120 | 100.474164 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 464 | 211 | Z4 | 22244.400 | 0.154153 | 0.039317 | 0.754002 | 0.000000 | 0.000000 | 0.000000 | 0.052743 | 5.682630 | 47.614900 | 0.342919 | 0.072341 | 44.9696 | 99.682605 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 465 | 212 | Z4 | 22473.600 | 0.056374 | 0.000000 | 0.900621 | 0.000000 | 0.000000 | 0.000000 | 0.058041 | 8.826980 | 45.902600 | 0.326163 | 0.125301 | 44.9726 | 101.168680 |
| GRB23-HS-19\_Transect | HS19 | HS | 3 | 466 | 213 | Z4 | 22702.600 | 0.042267 | 0.000000 | 0.884936 | 0.000000 | 0.000000 | 0.000000 | 0.043477 | 8.910790 | 43.126200 | 0.346776 | 0.107509 | 45.6508 | 99.112755 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 467 | 220 | Z1 | 0.000 | 0.021460 | 0.000000 | 0.620424 | 0.000000 | 0.000000 | 0.000000 | 0.018474 | 19.987800 | 31.257900 | 0.176490 | 0.032895 | 47.4642 | 99.579643 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 468 | 221 | Z1 | 399.045 | 0.000000 | 0.000000 | 0.507640 | 0.000000 | 0.017165 | 0.000000 | 0.033026 | 19.927800 | 31.893700 | 0.122832 | 0.041413 | 47.3483 | 99.891876 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 469 | 222 | Z1 | 799.106 | 0.000000 | 0.000000 | 0.439982 | 0.000000 | 0.000000 | 0.000000 | 0.041035 | 20.195700 | 32.441800 | 0.119377 | 0.049176 | 47.1991 | 100.486170 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 470 | 223 | Z1 | 1198.150 | 0.000000 | 0.000000 | 0.699127 | 0.000000 | 0.000000 | 0.000000 | 0.041706 | 19.986000 | 31.572700 | 0.177910 | 0.026563 | 47.3455 | 99.849506 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 471 | 224 | Z1 | 1598.200 | 0.000000 | 0.000000 | 0.602720 | 0.000000 | 0.000000 | 0.000000 | 0.038451 | 19.608700 | 32.379000 | 0.153908 | 0.041733 | 47.2303 | 100.054812 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 472 | 226 | Z1 | 2397.300 | 0.000000 | 0.000000 | 0.345511 | 0.000000 | 0.000000 | 0.000000 | 0.036835 | 19.597800 | 32.029700 | 0.151781 | 0.065478 | 47.4061 | 99.633205 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 473 | 229 | Z1 | 3595.450 | 0.000000 | 0.000000 | 0.701443 | 0.000000 | 0.000000 | 0.000000 | 0.026849 | 19.703800 | 32.035100 | 0.126970 | 0.035230 | 47.2901 | 99.919492 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 474 | 232 | Z1 | 4793.610 | 1.961320 | 0.033339 | 0.408269 | 0.000000 | 0.000000 | 0.000000 | 0.042679 | 18.601300 | 30.366800 | 0.145367 | 0.071617 | 47.9906 | 99.621291 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 475 | 235 | Z1 | 5992.740 | 0.051898 | 0.000000 | 0.189574 | 0.000000 | 0.000000 | 0.000000 | 0.029958 | 19.591300 | 32.030100 | 0.250336 | 0.136288 | 47.3872 | 99.666654 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 476 | 237 | Z1 | 6791.850 | 0.126108 | 0.028579 | 0.213174 | 0.000000 | 0.000000 | 0.000000 | 0.030900 | 19.719000 | 31.836500 | 0.128216 | 0.057531 | 47.4845 | 99.624508 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 477 | 238 | Z1 | 7190.890 | 0.024843 | 0.000000 | 0.117186 | 0.019401 | 0.000000 | 0.000000 | 0.034832 | 19.991600 | 32.442600 | 0.172048 | 0.080872 | 47.2955 | 100.178882 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 478 | 239 | Z1 | 7590.950 | 0.023010 | 0.000000 | 0.184190 | 0.000000 | 0.000000 | 0.000000 | 0.021630 | 20.222500 | 31.718700 | 0.137028 | 0.037893 | 47.4695 | 99.814451 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 479 | 240 | Z1 | 7990.000 | 0.060581 | 0.000000 | 0.295785 | 0.000000 | 0.000000 | 0.000000 | 0.043974 | 18.841700 | 31.747500 | 0.132608 | 0.045738 | 47.6112 | 98.779086 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 480 | 241 | Z1 | 8390.040 | 0.031878 | 0.000000 | 0.107002 | 0.000000 | 0.000000 | 0.000000 | 0.027911 | 19.463400 | 32.467000 | 0.204131 | 0.101232 | 47.3565 | 99.759054 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 481 | 242 | Z1 | 8789.090 | 0.107589 | 0.000000 | 0.189776 | 0.000000 | 0.000000 | 0.000000 | 0.032676 | 19.891300 | 31.681100 | 0.181633 | 0.076080 | 47.4851 | 99.645254 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 482 | 243 | Z1 | 9188.150 | 0.317295 | 0.068404 | 0.217156 | 0.000000 | 0.000000 | 0.000000 | 0.037825 | 19.685900 | 31.546100 | 0.198261 | 0.071384 | 47.5476 | 99.689925 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 483 | 244 | Z1 | 9588.190 | 0.027984 | 0.000000 | 0.163389 | 0.000000 | 0.000000 | 0.000000 | 0.050469 | 20.315300 | 31.662100 | 0.169441 | 0.067874 | 47.4477 | 99.904257 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 484 | 245 | Z2 | 9987.240 | 0.027376 | 0.000000 | 0.108661 | 0.000000 | 0.000000 | 0.000000 | 0.027207 | 19.774800 | 32.613600 | 0.179034 | 0.088881 | 47.2909 | 100.110459 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 485 | 247 | Z2 | 10786.400 | 0.212223 | 0.072560 | 0.256648 | 0.000000 | 0.000000 | 0.000000 | 0.046846 | 19.387600 | 31.375900 | 0.413879 | 0.099544 | 47.5122 | 99.377400 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 486 | 249 | Z2 | 11585.500 | 0.054601 | 0.027550 | 0.130426 | 0.000000 | 0.000000 | 0.000000 | 0.050870 | 19.465600 | 32.960400 | 0.172668 | 0.081238 | 47.2335 | 100.176853 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 487 | 250 | Z2 | 11985.500 | 0.329188 | 0.000000 | 0.105423 | 0.000000 | 0.000000 | 0.000000 | 0.040135 | 19.338400 | 33.206800 | 0.163927 | 0.091606 | 47.1917 | 100.467179 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 488 | 251 | Z2 | 12384.500 | 0.000000 | 0.000000 | 0.043538 | 0.000000 | 0.000000 | 0.000000 | 0.019960 | 19.091100 | 32.256200 | 0.164898 | 0.107161 | 47.5042 | 99.187057 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 489 | 253 | Z2 | 13183.700 | 0.504792 | 0.146806 | 0.120725 | 0.000000 | 0.000000 | 0.000000 | 0.040088 | 19.047900 | 33.115100 | 0.240702 | 0.089242 | 47.2261 | 100.531455 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 490 | 254 | Z2 | 13582.700 | 0.070600 | 0.027395 | 0.087694 | 0.000000 | 0.000000 | 0.000000 | 0.028101 | 19.246900 | 31.881500 | 0.242001 | 0.119361 | 47.5249 | 99.228452 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 491 | 255 | Z2 | 13982.700 | 0.024635 | 0.019994 | 0.101848 | 0.000000 | 0.000000 | 0.000000 | 0.027148 | 20.117300 | 31.302700 | 0.447878 | 0.125761 | 47.4688 | 99.636064 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 492 | 256 | Z2 | 14381.800 | 0.000000 | 0.000000 | 0.164625 | 0.000000 | 0.000000 | 0.000000 | 0.022056 | 19.697200 | 31.849700 | 0.191113 | 0.086780 | 47.4746 | 99.486074 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 493 | 257 | Z2 | 14781.800 | 0.000000 | 0.000000 | 0.130836 | 0.021524 | 0.000000 | 0.000000 | 0.027909 | 19.874800 | 32.940600 | 0.204044 | 0.074525 | 47.1617 | 100.435938 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 494 | 259 | Z2 | 15580.900 | 0.859334 | 0.083774 | 0.563939 | 0.000000 | 0.000000 | 0.000000 | 0.026862 | 19.157500 | 30.528100 | 0.144274 | 0.066836 | 47.7992 | 99.229819 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 495 | 260 | Z2 | 15980.000 | 0.091129 | 0.024716 | 0.082149 | 0.000000 | 0.000000 | 0.000000 | 0.045286 | 19.646200 | 32.869300 | 0.204569 | 0.118821 | 47.2189 | 100.301070 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 496 | 261 | Z2 | 16380.000 | 0.024741 | 0.000000 | 0.092522 | 0.000000 | 0.019866 | 0.000000 | 0.019859 | 19.566500 | 32.573300 | 0.239220 | 0.093642 | 47.3030 | 99.932650 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 497 | 262 | Z2 | 16779.100 | 0.000000 | 0.000000 | 0.067793 | 0.000000 | 0.000000 | 0.000000 | 0.033963 | 19.122600 | 33.094300 | 0.211287 | 0.097512 | 47.2430 | 99.870455 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 498 | 264 | Z2 | 17578.200 | 0.165823 | 0.023691 | 0.800778 | 0.000000 | 0.000000 | 0.000000 | 0.020206 | 19.035400 | 31.939500 | 0.261838 | 0.083537 | 47.3011 | 99.631873 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 499 | 267 | Z2 | 18776.300 | 0.000000 | 0.000000 | 0.072070 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 18.952600 | 33.232700 | 0.296379 | 0.114312 | 47.1982 | 99.866261 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 500 | 268 | Z2 | 19176.400 | 0.184405 | 0.000000 | 0.135145 | 0.000000 | 0.000000 | 0.000000 | 0.057133 | 19.165000 | 33.505700 | 0.242348 | 0.126635 | 47.0761 | 100.492466 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 501 | 276 | Z3 | 22371.800 | 0.051965 | 0.000000 | 0.104934 | 0.000000 | 0.000000 | 0.000000 | 0.042918 | 19.184500 | 32.720600 | 0.228026 | 0.157166 | 47.3005 | 99.790609 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 502 | 277 | Z3 | 22771.800 | 0.000000 | 0.000000 | 0.068244 | 0.000000 | 0.000000 | 0.000000 | 0.026568 | 18.942100 | 33.179000 | 0.217412 | 0.155773 | 47.2326 | 99.821697 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 503 | 278 | Z3 | 23170.900 | 0.025298 | 0.000000 | 0.074258 | 0.000000 | 0.000000 | 0.000000 | 0.034677 | 18.850400 | 33.161500 | 0.260685 | 0.115304 | 47.2438 | 99.765922 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 504 | 279 | Z3 | 23570.900 | 0.000000 | 0.000000 | 0.039584 | 0.000000 | 0.000000 | 0.000000 | 0.024408 | 19.226800 | 33.267700 | 0.229027 | 0.132842 | 47.1779 | 100.098261 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 505 | 282 | Z3 | 24769.100 | 0.023116 | 0.000000 | 0.114352 | 0.000000 | 0.000000 | 0.000000 | 0.043192 | 19.196300 | 33.104100 | 0.206358 | 0.113136 | 47.2044 | 100.004954 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 506 | 283 | Z3 | 25169.100 | 0.020235 | 0.000000 | 0.044529 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 19.377900 | 33.104600 | 0.273498 | 0.140740 | 47.1860 | 100.147502 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 507 | 286 | Z3 | 26367.300 | 0.113391 | 0.000000 | 0.109148 | 0.000000 | 0.000000 | 0.000000 | 0.040382 | 19.449600 | 33.354600 | 0.231126 | 0.084814 | 47.1098 | 100.492861 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 508 | 287 | Z3 | 26766.300 | 0.054246 | 0.000000 | 0.128822 | 0.000000 | 0.000000 | 0.000000 | 0.054427 | 19.073000 | 32.893700 | 0.314494 | 0.151051 | 47.2136 | 99.883340 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 509 | 288 | Z3 | 27166.400 | 0.044779 | 0.000000 | 0.114933 | 0.000000 | 0.000000 | 0.000000 | 0.044448 | 19.366200 | 32.354000 | 0.337371 | 0.139753 | 47.3214 | 99.722884 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 510 | 289 | Z3 | 27565.400 | 0.789791 | 0.271217 | 0.277183 | 0.000000 | 0.000000 | 0.000000 | 0.057114 | 19.097300 | 32.936800 | 0.314356 | 0.141639 | 47.1560 | 101.041400 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 511 | 291 | Z3 | 28364.500 | 0.085940 | 0.023443 | 0.165929 | 0.000000 | 0.000000 | 0.000000 | 0.065140 | 19.878600 | 32.621700 | 0.328436 | 0.144410 | 47.1651 | 100.478698 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 512 | 292 | Z3 | 28764.600 | 0.000000 | 0.000000 | 0.091221 | 0.000000 | 0.000000 | 0.000000 | 0.041462 | 19.085500 | 32.544300 | 0.324875 | 0.143671 | 47.3166 | 99.547629 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 513 | 293 | Z3 | 29163.600 | 0.049123 | 0.000000 | 0.093988 | 0.000000 | 0.000000 | 0.000000 | 0.044270 | 19.170800 | 33.121100 | 0.291680 | 0.172791 | 47.1616 | 100.105352 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 514 | 294 | Z3 | 29563.700 | 0.000000 | 0.000000 | 0.086433 | 0.000000 | 0.000000 | 0.000000 | 0.050509 | 19.117900 | 33.302900 | 0.239118 | 0.113736 | 47.1574 | 100.067996 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 515 | 295 | Z3 | 29962.700 | 0.068556 | 0.000000 | 0.132512 | 0.000000 | 0.000000 | 0.000000 | 0.040017 | 19.426500 | 32.698100 | 0.236102 | 0.110698 | 47.2809 | 99.993385 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 516 | 296 | Z3 | 30362.800 | 0.000000 | 0.000000 | 0.058349 | 0.000000 | 0.000000 | 0.000000 | 0.050271 | 19.762700 | 33.104200 | 0.238763 | 0.108712 | 47.1345 | 100.457495 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 517 | 297 | Z3 | 30761.800 | 0.061503 | 0.000000 | 0.235817 | 0.000000 | 0.000000 | 0.000000 | 0.021731 | 19.640500 | 33.061800 | 0.290506 | 0.145520 | 47.0777 | 100.535077 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 518 | 298 | Z3 | 31160.900 | 0.000000 | 0.000000 | 0.085011 | 0.000000 | 0.000000 | 0.000000 | 0.048214 | 19.409200 | 32.114600 | 0.269692 | 0.140695 | 47.4174 | 99.484812 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 519 | 299 | Z3 | 31560.900 | 0.182112 | 0.062947 | 0.123569 | 0.000000 | 0.000000 | 0.000000 | 0.044613 | 19.076900 | 32.896100 | 0.272002 | 0.100550 | 47.2610 | 100.019793 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 520 | 301 | Z3 | 32360.000 | 0.034175 | 0.000000 | 0.081789 | 0.000000 | 0.000000 | 0.000000 | 0.040768 | 19.363200 | 33.255900 | 0.241685 | 0.120494 | 47.1439 | 100.281911 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 521 | 302 | Z3 | 32759.100 | 0.000000 | 0.000000 | 0.108173 | 0.000000 | 0.000000 | 0.000000 | 0.044772 | 18.176900 | 35.180000 | 0.244705 | 0.105473 | 46.8117 | 100.671723 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 522 | 304 | Z3 | 33558.200 | 0.031564 | 0.000000 | 0.288960 | 0.000000 | 0.000000 | 0.000000 | 0.020702 | 20.144400 | 31.796200 | 0.212481 | 0.080835 | 47.3855 | 99.960642 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 523 | 308 | Z4 | 35156.400 | 0.140578 | 0.000000 | 0.112263 | 0.000000 | 0.000000 | 0.000000 | 0.050302 | 18.119000 | 34.307700 | 0.286315 | 0.133736 | 47.0098 | 100.159694 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 524 | 309 | Z4 | 35555.400 | 0.000000 | 0.000000 | 0.085120 | 0.000000 | 0.000000 | 0.000000 | 0.042596 | 19.111700 | 33.098300 | 0.275440 | 0.139791 | 47.1976 | 99.950547 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 525 | 310 | Z4 | 35955.500 | 0.000000 | 0.000000 | 0.083415 | 0.000000 | 0.024410 | 0.000000 | 0.029942 | 19.254800 | 32.797700 | 0.262193 | 0.150342 | 47.2521 | 99.854902 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 526 | 311 | Z4 | 36354.500 | 0.000000 | 0.000000 | 0.066080 | 0.000000 | 0.000000 | 0.000000 | 0.031219 | 19.052700 | 32.992200 | 0.265506 | 0.158418 | 47.2436 | 99.809723 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 527 | 312 | Z4 | 36754.600 | 0.000000 | 0.000000 | 0.277175 | 0.000000 | 0.000000 | 0.000000 | 0.048375 | 20.177500 | 31.623400 | 0.410001 | 0.155901 | 47.3171 | 100.009452 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 528 | 313 | Z4 | 37153.600 | 0.000000 | 0.000000 | 0.103744 | 0.000000 | 0.000000 | 0.000000 | 0.018369 | 20.019600 | 33.218400 | 0.283495 | 0.183636 | 47.0351 | 100.862344 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 529 | 314 | Z4 | 37553.700 | 0.000000 | 0.000000 | 0.073337 | 0.000000 | 0.000000 | 0.000000 | 0.027977 | 19.250100 | 33.382400 | 0.324327 | 0.179409 | 47.0801 | 100.317650 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 530 | 316 | Z4 | 38352.800 | 0.000000 | 0.000000 | 0.096291 | 0.000000 | 0.000000 | 0.017078 | 0.049033 | 19.512100 | 32.878300 | 0.193086 | 0.095849 | 47.2378 | 100.079537 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 531 | 317 | Z4 | 38751.800 | 0.078122 | 0.000000 | 0.081069 | 0.000000 | 0.000000 | 0.000000 | 0.037449 | 19.139400 | 33.541200 | 0.274792 | 0.140559 | 47.0791 | 100.371691 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 532 | 318 | Z4 | 39151.900 | 0.000000 | 0.000000 | 0.082697 | 0.000000 | 0.000000 | 0.000000 | 0.041313 | 18.118700 | 33.633800 | 0.222407 | 0.116111 | 47.2213 | 99.436328 |
| GRB23-LB-1\_Transect | LB1 | LB | 5 | 533 | 319 | Z4 | 39551.000 | 0.028179 | 0.000000 | 0.069139 | 0.000000 | 0.000000 | 0.000000 | 0.042469 | 19.019400 | 32.900500 | 0.268348 | 0.136116 | 47.2695 | 99.733651 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 534 | 120 | Z1 | 0.000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.042534 | 2.834380 | 51.895100 | 0.259332 | 0.032164 | 44.5225 | 99.586010 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 535 | 121 | Z1 | 452.707 | 1.915040 | 0.393731 | 0.048184 | 0.000000 | 0.000000 | 0.000000 | 0.036658 | 3.345260 | 48.798700 | 0.256011 | 0.041130 | 45.2841 | 100.118814 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 536 | 122 | Z1 | 905.002 | 0.029936 | 0.000000 | 0.075938 | 0.000000 | 0.000000 | 0.000000 | 0.038373 | 4.473330 | 47.260400 | 0.279597 | 0.036651 | 45.4436 | 97.637825 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 537 | 123 | Z1 | 1357.710 | 0.861034 | 0.000000 | 0.025246 | 0.000000 | 0.000000 | 0.000000 | 0.043713 | 1.400610 | 52.906400 | 0.274088 | 0.029602 | 44.4706 | 100.011293 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 538 | 124 | Z1 | 1810.890 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.028879 | 0.403124 | 53.943000 | 0.265248 | 0.017255 | 44.2933 | 98.950806 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 539 | 125 | Z1 | 2263.590 | 1.676900 | 0.082054 | 0.107621 | 0.000000 | 0.000000 | 0.000000 | 0.064816 | 8.868500 | 35.669200 | 0.154512 | 0.036549 | 48.0571 | 94.717252 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 540 | 126 | Z1 | 2715.890 | 2.345400 | 0.000000 | 0.042191 | 0.000000 | 0.000000 | 0.000000 | 0.044732 | 2.099910 | 50.378400 | 0.238103 | 0.050270 | 45.0682 | 100.267206 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 541 | 127 | Z2 | 3168.590 | 94.536100 | 0.235292 | 0.072280 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.055100 | 1.737070 | 0.000000 | 0.044009 | 0.0000 | 97.679851 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 542 | 129 | Z2 | 4074.480 | 98.202000 | 0.122807 | 0.023856 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.013990 | 0.944496 | 0.000000 | 0.020278 | 0.0000 | 99.327427 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 543 | 130 | Z2 | 4526.770 | 93.613200 | 0.245895 | 0.039248 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.074820 | 2.099290 | 0.000000 | 0.053673 | 0.0000 | 97.126126 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 544 | 131 | Z2 | 4979.480 | 99.905700 | 0.141538 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.018230 | 0.058971 | 0.000000 | 0.043507 | 0.0000 | 100.167946 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 545 | 132 | Z2 | 5432.660 | 100.253000 | 0.137247 | 0.016786 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.014443 | 0.089201 | 0.000000 | 0.054628 | 0.0000 | 100.565305 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 546 | 139 | Z3 | 8601.250 | 99.908200 | 0.188669 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.052574 | 0.0000 | 100.149443 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 547 | 140 | Z3 | 9054.430 | 100.580000 | 0.194951 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.052487 | 0.0000 | 100.827438 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 548 | 142 | Z3 | 9958.960 | 94.925600 | 0.188230 | 0.039988 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.952736 | 1.675920 | 0.000000 | 0.052731 | 0.0000 | 97.835205 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 549 | 144 | Z3 | 10864.800 | 81.223500 | 0.081334 | 0.057603 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 3.666710 | 5.887160 | 0.038635 | 0.037271 | 0.0000 | 90.992213 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 550 | 145 | Z3 | 11317.100 | 91.695600 | 0.155028 | 0.054841 | 0.000000 | 0.000000 | 0.000000 | 0.016866 | 1.679620 | 2.909810 | 0.000000 | 0.045117 | 0.0000 | 96.556882 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 551 | 146 | Z3 | 11769.800 | 81.223700 | 0.084471 | 0.066089 | 0.000000 | 0.000000 | 0.000000 | 0.022370 | 3.814910 | 5.922200 | 0.000000 | 0.031079 | 0.0000 | 91.164819 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 552 | 148 | Z3 | 12675.700 | 86.546600 | 0.145202 | 0.027516 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.559630 | 3.979500 | 0.030496 | 0.056222 | 0.0000 | 93.345166 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 553 | 149 | Z3 | 13128.000 | 87.511200 | 0.137126 | 0.040911 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.733230 | 4.303010 | 0.000000 | 0.041900 | 0.0000 | 94.767377 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 554 | 150 | Z3 | 13580.700 | 91.220200 | 0.149541 | 0.030828 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.675350 | 2.621150 | 0.000000 | 0.050748 | 0.0000 | 95.747817 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 555 | 151 | Z3 | 14033.900 | 100.627000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.248736 | 0.456307 | 0.000000 | 0.000000 | 0.0000 | 101.332043 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 556 | 155 | Z3 | 15844.800 | 86.264200 | 0.148266 | 0.051262 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.543720 | 4.541070 | 0.000000 | 0.037254 | 0.0000 | 93.585772 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 557 | 160 | Z3 | 18108.400 | 84.648100 | 0.121487 | 0.033610 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.845260 | 4.570750 | 0.000000 | 0.039055 | 0.0000 | 92.258262 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 558 | 161 | Z3 | 18560.700 | 99.301700 | 0.027170 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.043958 | 0.0000 | 99.372828 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 559 | 163 | Z3 | 19466.100 | 100.957000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.009388 | 0.082900 | 0.000000 | 0.046450 | 0.0000 | 101.095738 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 560 | 164 | Z3 | 19918.400 | 101.052000 | 0.070068 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.016066 | 0.071509 | 0.000000 | 0.042867 | 0.0000 | 101.252510 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 561 | 165 | Z4 | 20371.100 | 88.669600 | 0.117601 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.063440 | 3.678110 | 0.000000 | 0.035225 | 0.0000 | 94.563976 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 562 | 166 | Z4 | 20824.300 | 100.286000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.012332 | 0.366447 | 0.000000 | 0.000000 | 0.0000 | 100.664779 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 563 | 169 | Z4 | 22182.000 | 98.259900 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.326936 | 0.629537 | 0.000000 | 0.012406 | 0.0000 | 99.228779 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 564 | 171 | Z4 | 23087.900 | 101.155000 | 0.029021 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.014232 | 0.0000 | 101.198253 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 565 | 173 | Z4 | 23992.900 | 0.073012 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.038439 | 0.217782 | 55.077400 | 0.262278 | 0.013756 | 44.0572 | 99.739867 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 566 | 176 | Z4 | 25351.000 | 77.275800 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.051939 | 13.126000 | 0.000000 | 0.000000 | 0.0000 | 90.453739 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 567 | 178 | Z4 | 26256.900 | 100.806000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.148317 | 0.000000 | 0.000000 | 0.0000 | 100.954317 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 568 | 179 | Z4 | 26709.600 | 0.224717 | 0.000000 | 0.029952 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.037890 | 54.274100 | 0.170918 | 0.024802 | 44.1009 | 100.863279 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 569 | 180 | Z4 | 27161.900 | 0.127584 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.018387 | 0.188574 | 55.388400 | 0.128204 | 0.018076 | 44.0447 | 99.913925 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 570 | 181 | Z4 | 27614.600 | 101.133000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.189327 | 0.000000 | 0.000000 | 0.0000 | 101.322327 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 571 | 182 | Z4 | 28067.300 | 98.783500 | 0.047330 | 0.150712 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.058459 | 0.283369 | 0.000000 | 0.028339 | 0.0000 | 99.351709 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 572 | 183 | Z3 | 28520.500 | 101.350000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.0000 | 101.350000 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 573 | 185 | Z3 | 29425.500 | 99.521200 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.037538 | 0.000000 | 0.041640 | 0.0000 | 99.600378 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 574 | 188 | Z3 | 30783.200 | 101.010000 | 0.036056 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.016472 | 0.062047 | 0.000000 | 0.050102 | 0.0000 | 101.174677 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 575 | 190 | Z3 | 31689.100 | 100.891000 | 0.021942 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.023592 | 0.061383 | 0.000000 | 0.043770 | 0.0000 | 101.041687 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 576 | 193 | Z3 | 33047.300 | 90.330700 | 0.037828 | 0.034130 | 0.000000 | 0.000000 | 0.018848 | 0.000000 | 1.778930 | 3.439100 | 0.000000 | 0.010830 | 0.0000 | 95.650366 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 577 | 194 | Z3 | 33500.000 | 97.251000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.533380 | 1.258090 | 0.000000 | 0.012564 | 0.0000 | 99.055034 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 578 | 195 | Z3 | 33952.300 | 92.355100 | 0.128360 | 0.025529 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.410580 | 2.586330 | 0.000000 | 0.046117 | 0.0000 | 96.552016 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 579 | 199 | Z3 | 35763.200 | 86.900700 | 0.038754 | 0.046701 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.669870 | 4.411830 | 0.041730 | 0.038450 | 0.0000 | 94.148035 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 580 | 201 | Z3 | 36668.600 | 84.343600 | 0.093522 | 0.035809 | 0.018265 | 0.000000 | 0.000000 | 0.000000 | 2.701060 | 4.596370 | 0.037607 | 0.050620 | 0.0000 | 91.876853 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 581 | 202 | Z3 | 37121.800 | 100.372000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.007915 | 0.058510 | 0.000000 | 0.000000 | 0.0000 | 100.438425 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 582 | 203 | Z3 | 37573.600 | 78.774900 | 0.036159 | 0.065494 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 4.251040 | 7.210420 | 0.053844 | 0.036875 | 0.0000 | 90.428732 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 583 | 205 | Z3 | 38479.500 | 94.952800 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.174410 | 1.742920 | 0.031286 | 0.022799 | 0.0000 | 97.924215 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 584 | 207 | Z3 | 39384.500 | 97.885100 | 0.176343 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.394021 | 0.770709 | 0.000000 | 0.072485 | 0.0000 | 99.298658 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 585 | 210 | Z3 | 40742.600 | 89.601700 | 0.158859 | 0.063960 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 2.356490 | 3.040500 | 0.000000 | 0.061633 | 0.0000 | 95.283142 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 586 | 211 | Z3 | 41195.400 | 93.662200 | 0.118250 | 0.025509 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.248560 | 2.235610 | 0.000000 | 0.072591 | 0.0000 | 97.362720 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 587 | 213 | Z3 | 42101.200 | 94.511900 | 0.052566 | 0.054387 | 0.000000 | 0.017023 | 0.000000 | 0.000000 | 0.029159 | 2.533840 | 0.000000 | 0.016135 | 0.0000 | 97.215010 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 588 | 214 | Z3 | 42553.500 | 99.646500 | 0.136253 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.068055 | 0.155550 | 0.000000 | 0.074764 | 0.0000 | 100.081122 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 589 | 215 | Z3 | 43006.200 | 95.557800 | 0.204581 | 0.038755 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.943301 | 1.421460 | 0.000000 | 0.067763 | 0.0000 | 98.233660 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 590 | 217 | Z3 | 43912.100 | 82.767700 | 0.113394 | 0.017552 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.187899 | 9.952300 | 0.000000 | 0.051890 | 0.0000 | 93.090735 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 591 | 218 | Z3 | 44364.400 | 84.385900 | 0.126908 | 0.065259 | 0.000000 | 0.000000 | 0.000000 | 0.021182 | 2.539090 | 4.650730 | 0.043014 | 0.066967 | 0.0000 | 91.899050 |
| GRB24-LBN2-4\_Transect | LBN2x4 | LB | 3 | 592 | 219 | Z3 | 44817.100 | 98.945000 | 0.187759 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.275913 | 0.461451 | 0.000000 | 0.078348 | 0.0000 | 99.948471 |

## Zone Summary
| Site | Sample | Zone | SiO2 | Al2O3 | FeO | MnO | MgO | CaO | SrO | Na2O | CO2 | Total | Morphology | silicification |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LB | LB1 | Z1 | 0.250361 | 0.043441 | 0.353079 | 0.034661 | 19.725347 | 31.829906 | 0.161667 | 0.061117 | 47.432882 | 99.770474 | flat, thrombolitic | carb |
| LB | LB1 | Z2 | 0.212404 | 0.053311 | 0.180284 | 0.033352 | 19.393376 | 32.426200 | 0.236474 | 0.097964 | 47.336947 | 99.880090 | flat, laminated | carb |
| LB | LB1 | Z3 | 0.109053 | 0.119202 | 0.119443 | 0.041933 | 19.273509 | 32.989705 | 0.263745 | 0.128173 | 47.202695 | 100.107906 | branched | carb |
| LB | LB1 | Z4 | 0.082293 | 0.000000 | 0.102757 | 0.038095 | 19.161364 | 33.124900 | 0.278719 | 0.144533 | 47.176645 | 100.053229 | converging branched | carb |
| HS | HS19 | Z1 | 0.268873 | 0.101841 | 0.763505 | 0.113133 | 6.042168 | 47.201287 | 0.302769 | 0.076250 | 45.037740 | 99.800629 | tan base, few laminations | carb |
| HS | HS19 | Z2 | 0.173121 | 0.092020 | 0.744590 | 0.069225 | 3.669566 | 50.352188 | 0.317078 | 0.074102 | 44.537400 | 99.870789 | blue/gray laminated | carb |
| HS | HS19 | Z3 | 0.173969 | 0.090691 | 0.785667 | 0.055212 | 6.583508 | 46.594510 | 0.310124 | 0.107451 | 45.110900 | 99.678960 | tan middle, few laminations | carb |
| HS | HS19 | Z4 | 0.127311 | 0.068032 | 0.679999 | 0.072130 | 4.563872 | 49.483331 | 0.331663 | 0.078751 | 44.662028 | 99.935581 | blue/gray laminated | carb |
| YR | YR11 | Z1 | 0.263261 | 0.066214 | 1.193123 | 0.042493 | 5.965274 | 47.615969 | 0.202469 | 0.084487 | 44.859619 | 100.212453 | mixed laminated/branched | carb |
| YR | YR11 | Z2 | 0.214505 | 0.129972 | 0.495109 | 0.051351 | 7.251339 | 46.605786 | 0.204608 | 0.094942 | 45.180436 | 100.054050 | laminated | carb |
| YR | YR11 | Z3 | 0.185079 | 0.088764 | 0.609120 | 0.047369 | 3.393967 | 51.079472 | 0.205537 | 0.056676 | 44.510428 | 100.030079 | branched | carb |
| YR | YR11 | Z4 | 0.393975 | 0.106508 | 0.393452 | 0.054998 | 3.630615 | 51.449789 | 0.201363 | 0.068338 | 44.463537 | 100.567638 | converging branched | carb |
| HS | HS12 | Z1 | 78.592295 | 0.243965 | 0.016338 | 0.007375 | 3.960360 | 6.308053 | 0.023492 | 0.093260 | 9.080376 | 98.328598 | laminated | sil |
| HS | HS12 | Z2 | 90.873696 | 0.303364 | 0.040750 | 0.006900 | 1.374850 | 2.326666 | 0.018114 | 0.066845 | 3.168507 | 98.179692 | ooid fill | sil |
| HS | HS12 | Z3 | 86.756795 | 0.388305 | 0.056439 | 0.009588 | 2.247205 | 3.537077 | 0.018209 | 0.093964 | 4.778270 | 97.885852 | non-ooid fill | sil |
| HS | HS12 | Z4 | 96.593107 | 0.613936 | 0.107366 | 0.000000 | 0.093959 | 0.208904 | 0.007102 | 0.112062 | 0.000000 | 97.738874 | branched | sil |
| LB | LBN2x4 | Z1 | 0.975473 | 0.067969 | 0.042740 | 0.042815 | 3.346445 | 48.693029 | 0.246699 | 0.034803 | 45.305629 | 98.755601 | laminated | carb |
| LB | LBN2x4 | Z2 | 97.302000 | 0.176556 | 0.030434 | 0.000000 | 0.435317 | 0.985806 | 0.000000 | 0.043219 | 0.000000 | 98.973331 | branched | sil |
| LB | LBN2x4 | Z3 | 93.130594 | 0.093308 | 0.024326 | 0.001678 | 1.259864 | 2.436333 | 0.007684 | 0.042946 | 0.000000 | 96.998236 | laminated | sil |
| LB | LBN2x4 | Z4 | 69.708556 | 0.017632 | 0.016424 | 0.005166 | 0.450668 | 16.651001 | 0.051036 | 0.013349 | 12.018436 | 98.932268 | fill | sil |
| HS | HS5x13 | Z1 | 0.563336 | 0.161491 | 0.433655 | 0.084128 | 15.768499 | 35.501744 | 0.219876 | 0.120180 | 46.921031 | 99.774924 | laminated | carb |
| HS | HS5x13 | Z2 | 0.563888 | 0.136340 | 0.371853 | 0.072778 | 15.939583 | 35.055791 | 0.251221 | 0.118245 | 47.028432 | 99.538132 | dense thrombolitic | carb |
| HS | HS5x13 | Z3 | 0.233234 | 0.057637 | 0.327893 | 0.107030 | 10.218005 | 42.447823 | 0.227390 | 0.087692 | 45.880315 | 99.588373 | sparse thrombolitic | carb |
| BTS | BTS4 | Z1 | 0.026469 | 0.000000 | 0.188562 | 0.015954 | 20.517233 | 31.047333 | 0.192303 | 0.119817 | 47.562767 | 99.670438 | thrombolitic | carb |
| BTS | BTS4 | Z2 | 0.085208 | 0.025634 | 0.052733 | 0.006618 | 3.424637 | 51.588412 | 0.096996 | 0.022173 | 44.597662 | 99.900074 | fill | fill |
| BTS | BTS4 | Z3 | 0.444385 | 0.074769 | 0.124457 | 0.014994 | 16.005038 | 35.916160 | 0.203747 | 0.133011 | 46.910645 | 99.828313 | thrombolitic | carb |
| BTS | BTS4 | Z4 | 0.390038 | 0.127745 | 0.110074 | 0.006898 | 12.720401 | 39.796133 | 0.206841 | 0.135739 | 46.343990 | 99.838777 | laminated | carb |
| BTS | BTS4 | Z5 | 0.033395 | 0.002634 | 0.096135 | 0.003856 | 16.961799 | 34.778950 | 0.236318 | 0.170539 | 47.057331 | 99.341832 | laminated | carb |
| BTR | BTR5 | Z1 | 0.063688 | 0.006914 | 0.365486 | 0.061855 | 1.398070 | 53.390193 | 0.303609 | 0.067427 | 44.178907 | 99.836148 | branched | carb |
| BTR | BTR5 | Z2 | 0.361775 | 0.046182 | 0.256550 | 0.087007 | 0.887037 | 53.606076 | 0.277962 | 0.104475 | 44.221988 | 99.850281 | branched | carb |
| BTR | BTR5 | Z3 | 0.150552 | 0.029207 | 0.178588 | 0.105274 | 0.422436 | 54.472279 | 0.267147 | 0.043649 | 44.095783 | 99.765890 | branched | carb |
| BTR | BTR5 | Z4 | 1.094763 | 0.254473 | 0.372326 | 0.103173 | 0.640109 | 52.379250 | 0.282048 | 0.061340 | 44.548500 | 99.735981 | branched | carb |

## Analytical_Conditions
| \*Time-depended correction applied for elemental migration due to beam damage, after Nielsen and Sigurdsson (1981). | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 | Unnamed: 4 | Unnamed: 5 | Unnamed: 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Nielsen, C.H., and Sigurdsson, H. (1981) Quantitative methods for electron micro-probe analysis of sodium in natural and synthetic glasses. American Mineralogist, v. 66, pp. 547–552. | NaN | NaN | NaN | NaN | NaN | NaN |
| ^Interference corrections (Donovan et al., 1993 Micro. Anal.) applied to correct for interference of Si Lα on Sr Lα, Fe Kα on Co Kα, and Co Kα on Ni Kα. | NaN | NaN | NaN | NaN | NaN | NaN |
| Donovan, J.J., Snyder, D.A., and Rivers, M.L., An Improved Interference Correction for Trace Element Analysis. Microbeam Analysis, v. 2, pp. 23-28, 1003. | NaN | NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| Instrument | Intensity Correction | Accelerating Voltage (kV) | Beam Current (nA) | Beam Size (µm) | NaN | NaN |
| Cameca SX100, EMAL/U. Michigan | PAP (Pouchou and Pichoir) | 15 | 10 | 5 | NaN | NaN |
| NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| Element | Peak Counting Time (s) | High Off-Peak Counting Time (s) | Low Off-Peak Counting Time (s) | Spectrometer # | Analyzing Crystal | Calibration Standard |
| SiO2 | 30 | 15 | 15 | 2 | TAP | K-411 Glass, Synthetic (NIST SRM 470) |
| Al2O3 | 30 | 15 | 15 | 2 | TAP | K-412 Glass, Synthetic (NIST SRM 470) |
| FeO | 30 | 15 | 15 | 3 | LLiF | Hematite, H92649 (Harvard U.) |
| CoO^ | 30 | 15 | 15 | 3 | LLiF | Co-Sulfide, Synthetic (Chemsavers, Inc.) |
| NiO^ | 60 | 30 | 30 | 4 | LLiF | Ni2SiO4, Synthetic (U. Arizona) |
| Cu2O | 60 | 30 | 30 | 4 | LLiF | Bornite, Synthetic (U. Michigan) |
| MnO | 30 | 15 | 15 | 3 | LLiF | Rhodonite, Broken Hill (U. Michigan) |
| MgO\* | 60 | 30 | 30 | 1 | LTAP | K-411 Glass, Synthetic (NIST SRM 470) |
| CaO\* | 10 | 5 | 5 | 5 | PET | K-411 Glass, Synthetic (NIST SRM 470) |
| SrO^ | 30 | 15 | 15 | 2 | TAP | SrTiO3, Synthetic (M-Imports, Inc.) |
| Na2O | 60 | 30 | 30 | 1 | LTAP | Albite, Tiburon (U. Washington) |