**Table: Performance of the different implementations**

|  |  |  |
| --- | --- | --- |
| **Search Method** | **Execution Time (seconds)** | **Index Found** |
| Numpy ‘searchsorted’ | 2.88486e-05 | 9999998 |
| Fortran ‘linearsearch’ | 0.0108652 | 9999999 |
| Fortran ‘binarysearch’ | 6.43730e-06 | 9999999 |