**T639全球中期天气数值预报系统模式产品要素说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | **要素代码** | **要素名称** | **要素单位** | **层次类型** | **层次** |
|  | GPH | 位势高度 | 位势米 | 100 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | TEM | 温度 | K | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | WIU | 风的u分量 | 米/秒 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | WIV | 风的v分量 | 米/秒 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | VVP | 垂直速度 | 帕/秒 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | RVO | 相对涡度 | 秒-1 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | RDI | 相对散度 | 秒-1 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | SHU | 比湿 | 千克/千克 | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | RHU | 相对湿度 | % | 10, 20, 30, 50, 70,100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975, 1000 |
|  | DPT | 露点温度 | K | 100 | 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975,1000 |
|  | DPD | 温度露点差 | K | 100 | 500,700,850,925 |
|  | MFVO | 水汽通量散度 | 10-7克/百帕⋅厘米²秒 | 100 | 500, 700, 850, 925 |
|  | MOFU | 水汽通量 | 10-1克/百帕⋅厘米⋅秒 | 100 | 500, 700, 850, 925 |
|  | PPT | 假绝热位温/假相当位温 | K | 100 | 500, 700, 850, 925 |
|  | MPVH | 湿位涡水平分量 | 10-6 m-2 s-1k kg-1 | 100 | 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975,1000 |
|  | MPVV | 湿位涡垂直分量 | 10-6 m-2 s-1k kg-1 | 100 | 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 925,950, 975,1000 |
|  | TEAD | 温度平流 | 10-6K/s | 100 | 200, 500, 700, 850, 925, 1000 |
|  | VOAD | 涡度平流  | 10-11/s2 | 100 | 200, 500, 700, 850, 925, 1000 |
|  | CPE | 对流性降水 | mm | 1 | 0 |
|  | LPE | 大尺度降水 | mm | 1 | 0 |
|  | TPE | 总降水量 | mm | 1 | 0 |
|  | NFSH | 感热净通量 | w/m2 | 1 | 0 |
|  | NLHF | 潜热净通量 | w/m2 | 1 | 0 |
|  | NLRF | 净长波辐射通量 | w/m2 | 1 | 0 |
|  | NSRF | 净短波辐射通量 | w/m2 | 1 | 0 |
|  | SME | 雪融化量 | m | 1 | 0 |
|  | EVA | 蒸发量 | m | 1 | 0 |
|  | LOV | 陆地覆盖 | 0-1 | 1 | 0 |
|  | SDE | 雪深  | m | 1 | 0 |
|  | PRS | 气压  | Pa | 1 | 0 |
|  | SSWC | 表面储水池含量 | m | 1 | 0 |
|  | WRO | 水径流 | m | 1 | 0 |
|  | LCC | 低云量 | 0-1 | 2 | 0 |
|  | MCC | 中云量 | 0-1 | 2 | 0 |
|  | HCC | 高云量 | 0-1 | 2 | 0 |
|  | TCC | 总云量（层次类型：云底层） | 0-1 | 2 | 0 |
|  | SSP | 海平面气压 | Pa | 101 | 0 |
|  | KIDX | K指数 | K | 101 | 0 |
|  | TEM | 温度(2米) | K | 1 | 2 |
|  | MNT | 最低温度(2米) | K | 1 | 2 |
|  | MXT | 最高温度(2米) | K | 1 | 2 |
|  | RHU | 相对湿度(2米) | % | 1 | 2 |
|  | WIU | 风的u分量(10米) | m/s | 105  | 10 |
|  | WIV | 风的v分量(10米) | m/s | 105  | 10 |
|  | GPH | 位势高度(地面) | gpm | 1 | 0 |

**时次：**00,12

**预报时效：**

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**层次类型：**等压面-100，海平面-101，地面或水面-1，特定高度-2, 特定高度(10M)-105