**Solar Wind Velocity**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | ***x*** | ***y*** | ***z*** | ***v*2** | ***v (km/sec)*** | ***Time (hrs)*** |
| 1-6-18 | -570 | 5 | 19 |  |  |  |
| 2-6-18 | -647 | 75 | -75 |  |  |  |
| 3-6-18 | -619 | 96 | 18 |  |  |  |
| 4-6-18 | -613 | 125 | 37 |  |  |  |
| 5-6-18 | -419 | 17 | 9 |  |  |  |
| 6-6-18 | -419 | 30 | 16 |  |  |  |
| 7-6-18 | -343 | -3 | -9 |  |  |  |
| 8-6-18 | -373 | -22 | -1 |  |  |  |
| 9-6-18 | -342 | 1 | -5 |  |  |  |

**Solar Wind Velocity Answer Key**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | ***x*2** | ***y*2** | ***z*2** | ***v*2** | ***v (km/sec)*** | ***Time (hrs)*** |
| 1-6-18 | -570 | 5 | 19 | 325,286 | 570 | 73 |
| 2-6-18 | -647 | 75 | -75 | 429,859 | 656 | 63 |
| 3-6-18 | -619 | 96 | 18 | 392,701 | 627 | 66 |
| 4-6-18 | -613 | 125 | 37 | 392,763 | 627 | 66 |
| 5-6-18 | -419 | 17 | 9 | 175,931 | 419 | 99 |
| 6-6-18 | -419 | 30 | 16 | 176,717 | 420 | 99 |
| 7-6-18 | -343 | -3 | -9 | 117,739 | 343 | 120 |
| 8-6-18 | -373 | -22 | -1 | 139,614 | 374 | 110 |
| 9-6-18 | -342 | 1 | -5 | 116,990 | 342 | 120 |