| No. crt. | Year | Month | Day | 3-h | V0 (km/s) | V1 (km/s) | Δt1 | Vmax (km/s) | Dur (days) | ΔV1 (km/s) | ΔVM (km/s) | I | Source | IMF | Dst_min (nT) | Dst_date (mm:dd:hh) | Bz_min (nT) | Bz_date (mm:dd:hh) | SSC_date (mm:dd:hh) | Energy estimate ΔWε (J) | Energy estimate ΔW (J) | SYM-H_min (nT) | SYM-H_date (mm:dd:hh:min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2011 | 1 | 3 | 5 | 314 | 424.7 | 8 | 424.7 | 3 | 110.7 | 110.7 | 332.1 | CH431 | + | | | | | | | | | |
| 2 | 2011 | 1 | 6 | 5 | 326.7 | 604.3 | 9 | 645.3 | 7.1 | 277.6 | 318.6 | 2262.06 | CHs431, 432 | - | -42 | 01:07:06 | -3.3 | 01:07:04 | | | | -46 | 01:07:06:30 |
| 3 | 2011 | 1 | 13 | 6 | 432 | 545 | 8 | 545 | 2.5 | 113 | 113 | 282.5 | CH433 | - | | | | | | | | | |
| 4 | 2011 | 1 | 16 | 4 | 413.7 | 517 | 9 | 517 | 2.2 | 103.3 | 103.3 | 227.26 | CH433 | + | | | | | | | | | |
| 5 | 2011 | 1 | 18 | 6 | 417.7 | 521 | 7 | 521 | 2.5 | 103.3 | 103.3 | 258.25 | CH434 | + | | | | | | | | | |
| 6 | 2011 | 1 | 31 | 5 | 260.7 | 514.7 | 10 | 514.7 | 3.4 | 254 | 254 | 863.6 | CH435 | - | | | | | | | | | |
| 7 | 2011 | 2 | 3 | 8 | 311.7 | 514.7 | 8 | 630 | 10.2 | 203 | 318.3 | 3246.66 | CH435 | - | -63 | 02:04:21 | -15.9 | 02:04:20 | | 8.44E+15 | 1.05E+17 | -67 | 02:04:21:22 |
| 8 | 2011 | 2 | 14 | 2 | 307 | 497.7 | 10 | 497.7 | 3.4 | 190.7 | 190.7 | 648.38 | CH* | + | -40 | 02:14:22 | -13.5 | 02:14:21 | 02:14:15 | | | -49 | 02:14:22:37 |
| 9 | 2011 | 2 | 28 | 5 | 305.3 | 619.3 | 11 | 668.7 | 9.2 | 314 | 363.4 | 3343.28 | CHs437, 438 | - | -88 | 03:01:14 | -12.1 | 03:01:12 | | 9.99E+15 | 8.39E+16 | -71 | 03:01:14:22 |
| 10 | 2011 | 3 | 10 | 1 | 297 | 455.3 | 15 | 592 | 12 | 158.3 | 295 | 3540 | CH439 | + | -83 | 03:11:05 | -9.7 | 03:11:02 | | 3.77E+16 | 1.46E+18 | -92 | 03:11:05:21 |
| 11 | 2011 | 3 | 22 | 1 | 335.3 | 507.7 | 13 | 507.7 | 5.1 | 172.4 | 172.4 | 879.24 | CHs441, 442 | + | | | | | | | | | |
| 12 | 2011 | 4 | 11 | 2 | 320 | 448.3 | 6 | 587.7 | 6.2 | 128.3 | 267.7 | 1659.74 | CH444 | + | -48 | 04:12:09 | -7.7 | 04:12:06 | | | | -57 | 04:12:09:04 |
| 13 | 2011 | 4 | 18 | 1 | 322 | 436.3 | 15 | 545.3 | 6.5 | 114.3 | 223.3 | 1451.45 | CH445 | + | | | | | | | | | |
| 14 | 2011 | 4 | 28 | 3 | 326.7 | 471.7 | 13 | 688 | 9.9 | 145 | 361.3 | 3576.87 | CH446 | - | -46 | 04:30:19 | -4.2 | 04:30:21 | | | | -45 | 04:30:19:00 |
| 15 | 2011 | 5 | 14 | 5 | 316.7 | 536.3 | 10 | 581.3 | 6.6 | 219.6 | 264.6 | 1746.36 | CHs448, 449 | + | | | | | | | | | |
| 16 | 2011 | 5 | 21 | 2 | 328 | 436 | 6 | 444.3 | 5.2 | 108 | 116.3 | 604.76 | CH* | + | | | | | | | | | |
| 17 | 2011 | 5 | 26 | 4 | 353.7 | 470.3 | 11 | 735.3 | 8.9 | 116.6 | 381.6 | 3396.24 | CH450 | - | -80 | 05:28:14 | -10.7 | 05:28:09 | | 2.38E+16 | 3.44E+17 | -94 | 05:28:11:11 |
| | | | | | | | | | | | | | | | -35 | 06:02:13 | -3.7 | 06:02:07 | | | | -31 | 06:02:12:13 |
| | | | | | | | | | | | | | | | -45 | 06:05:05 | -3.8 | 06:05:00 | 06:04:20 | | | -51 | 06:05:03:21 |
| 18 | 2011 | 6 | 7 | 3 | 396.3 | 544 | 10 | 544 | 2.4 | 147.7 | 147.7 | 354.48 | CH453 | - | -39 | 06:08:04 | -5.1 | 06:08:04 | | | | -46 | 06:08:04:42 |
| 19 | 2011 | 6 | 13 | 8 | 437 | 552 | 6 | 552 | 2.2 | 115 | 115 | 253 | CH455 | + | | | | | | | | | |
| 20 | 2011 | 6 | 21 | 3 | 388.3 | 579.3 | 13 | 651.7 | 6.8 | 191 | 263.4 | 1791.12 | CH457 | - | | | | | | | | | |
| 21 | 2011 | 7 | 9 | 3 | 344.7 | 489 | 11 | 702.3 | 8.1 | 144.3 | 357.6 | 2896.56 | CH465 | + | | | | | | | | | |
| 22 | 2011 | 7 | 17 | 4 | 348.3 | 464.7 | 9 | 726 | 7.4 | 116.4 | 377.7 | 2794.98 | CH466 | - | | | | | | | | | |
| 23 | 2011 | 7 | 24 | 7 | 428.7 | 586.3 | 8 | 586.3 | 2.6 | 157.6 | 157.6 | 409.76 | CH467 | - | | | | | | | | | |
| 24 | 2011 | 7 | 29 | 4 | 305 | 463.3 | 12 | 665 | 5.9 | 158.3 | 360 | 2124 | CH468 | - | -40 | 07:30:22 | -7.1 | 07:30:19 | | | | -41 | 07:30:22:17 |
| 25 | 2011 | 8 | 8 | 2 | 492 | 607 | 6 | 628.7 | 2.9 | 115 | 136.7 | 396.43 | CH469 | + | | | | | | | | | |
| 26 | 2011 | 8 | 13 | 7 | 318.7 | 490 | 9 | 564.7 | 9.2 | 171.3 | 246 | 2263.2 | CH471 | - | | | | | | | | | |
| 27 | 2011 | 8 | 23 | 1 | 349 | 517.7 | 7 | 560 | 5.4 | 168.7 | 211 | 1139.4 | CH472 | - | | | | | | | | | |
| 28 | 2011 | 8 | 28 | 4 | 391 | 522 | 9 | 522 | 2.4 | 131 | 131 | 314.4 | CH473 | - | | | | | | | | | |
| 29 | 2011 | 9 | 10 | 6 | 471.3 | 608 | 4 | 646.3 | 5.3 | 136.7 | 175 | 927.5 | CH475 | - | -55 | 09:10:22 | -1.7 | 09:10:20 | | 9.13E+16 | 2.71E+17 | -61 | 09:10:22:59 |
| | | | | | | | | | | | | | | | -44 | 09:12:03 | -3.2 | 09:12:03 | | | | -47 | 09:12:03:27 |
| 30 | 2011 | 9 | 30 | 3 | 439.7 | 553.7 | 10 | 553.7 | 2.8 | 114 | 114 | 319.2 | CH477 | + | | | | | | | | | |
| 31 | 2011 | 10 | 14 | 5 | 359.7 | 469.3 | 8 | 469.3 | 4.5 | 109.6 | 109.6 | 493.2 | CH479 | - | | | | | | | | | |
| 32 | 2011 | 10 | 30 | 3 | 285.7 | 419 | 8 | 433.3 | 6.4 | 133.3 | 147.6 | 944.64 | CH481 | + | -66 | 11:01:15 | -7.9 | 11:01:12 | | 3.16E+16 | 1.03E+18 | -63 | 11:01:15:14 |
| | | | | | | | | | | | | | | | -40 | 11:05:02 | -4.9 | 11:04:22 | | | | -36 | 11:05:05:59 |
| 33 | 2011 | 11 | 22 | 1 | 310.3 | 418.3 | 9 | 425 | 5 | 108 | 114.7 | 573.5 | CH485 | - | | | | | | | | | |
| 34 | 2011 | 12 | 9 | 3 | 294 | 435.3 | 10 | 485.7 | 7.9 | 141.3 | 191.7 | 1514.43 | CH487 | - | | | | | | | | | |
| 35 | 2011 | 12 | 18 | 1 | 262.7 | 376 | 12 | 412 | 9.2 | 113.3 | 149.3 | 1373.56 | CH489 | - | | | | | | | | | |
| 36 | 2011 | 12 | 28 | 2 | 244.3 | 423.7 | 14 | 423.7 | 3.9 | 179.4 | 179.4 | 699.66 | CH490 | + | | | | | | | | | |