

DIII-D operated 16.0 weeks for fiscal year
Number of planned runweeks: 13
Plus 2 Weeks (ARRA)
Total number of discharges: 2284

| Scheduled Hours | Hours | Accumulated Hours | Accumulated Weeks * | Accumulated Discharges | Experiment Title | Discharge Range | Session Leader | Miniproposal |
|-----------------|-------|-------------------|---------------------|------------------------|--|-----------------|-------------------|--------------|
| 8.5 | 8.5 | 8.5 | 0.2 | 30 | QH-mode Experiments with co-NBI | 135713 - 135744 | Burrell, Keith | 2009-31-03 |
| 8.5 | 8.5 | 17 | 0.4 | 60 | Structure of ideal MHD response | 135745 - 135775 | Lanctot, Matthew | 2/1/2009 |
| 8.5 | 8.5 | 25.5 | 0.6 | 85 | Low-Z MGI Optimization | 135776 - 135802 | Wesley, John | 1/5/2009 |
| 8.5 | 8.5 | 34 | 0.9 | 108 | Structure of ideal MHD response (Makeup) | 135803 - 135817 | Lanctot, Matthew | 2/1/2009 |
| 8.5 | 8.5 | 34 | 0.9 | 108 | Distinctive roles of direct RWM feedback and DEFC in stabilizing current-driven RWM | 135818 - 135826 | In, Yongkyoon | 2009-14-01 |
| 8.5 | 8.5 | 42.5 | 1.1 | 133 | DIII-D and NSTX Aspect Ratio Comparison of NTM Physics | 135827 - 135841 | LaHaye, Rob | 2009-54-01 |
| 8.5 | 8.5 | 42.5 | 1.1 | 133 | Powered | 135842 - 135852 | Walker, Mike | 2009-43-01 |
| 8.5 | 8.5 | 51 | 1.3 | 161 | DIII-D and NSTX Aspect Ratio Comparison of NTM Physics | 135853 - 135869 | LaHaye, Rob | 2009-54-01 |
| 8.5 | 8.5 | 51 | 1.3 | 161 | Distinctive roles of direct RWM feedback and DEFC in stabilizing current-driven RWM | 135870 - 135882 | In, Yongkyoon | 2009-14-01 |
| 8.5 | 8.5 | 59.5 | 1.5 | 186 | Powered | 135883 - 135891 | Walker, Mike | 2009-43-01 |
| 8.5 | 8.5 | 59.5 | 1.5 | 186 | ITER Startup | 135892 - 135909 | Jackson, Gary | 2009-43-03 |
| 8.5 | 8.5 | 68 | 1.7 | 213 | Comparison of Impurity screening and radiating divertor behavior between ELMing and RMP ELM-suppressed plasmas | 135910 - 135924 | Petrie, Tom | 2009-13-01 |
| 8.5 | 8.5 | 68 | 1.7 | 213 | Secondary Divertor Study | 135925 - 135937 | Watkins, Jon | 2009-65-01 |
| 8.5 | 8.5 | 76.5 | 1.9 | 241 | Co-NBI QH-mode | 136016 - 136033 | Burrell, Keith | 2009-31-03 |
| 8.5 | 8.5 | 76.5 | 1.9 | 241 | ITER Baseline Scenario discharges with reduced collisionality | 136034 - 136043 | Doyle, Edward | 2009-34-02 |
| 8.5 | 8.5 | 85 | 2.1 | 270 | DIII-D/JET pedestal similarity scans | 136044 - 136073 | Osborne, Tom | 2009-21-02 |
| 8.5 | 4.5 | 89.5 | 2.2 | 283 | DIII-D/JET pedestal similarity scans | 136074 - 136097 | Osborne, Tom | 2009-21-02 |
| 10.5 | 10.5 | 100 | 2.5 | 326 | Distinctive roles of direct RWM feedback and DEFC in stabilizing current-driven RWM | 136098 - 136134 | In, Yongkyoon | 2009-14-01 |
| 10.5 | 10.5 | 100 | 2.5 | 326 | 1st Solenoidless Startup Scenario Testing - Thursday Night 12Mar2009 | 136135 - 136151 | Leuer, Jim | 9/1/2009 |
| 8.5 | 8.5 | 108.5 | 2.7 | 355 | MGI radiation asymmetry | 136152 - 136181 | James, Alex | 1/2/2009 |
| 8.5 | 8.5 | 117 | 2.9 | 387 | Bootstrap current density as a function of the q profile | 136182 - 136214 | Ferron, John | 11/1/2009 |
| 8.5 | 8.5 | 125.5 | 3.1 | 417 | RMP ELM control during q95 scans | 136215 - 136246 | Evans, Todd | 2009-31-01 |
| 8.5 | 8.5 | 134 | 3.4 | 448 | Test field penetration and transport features in L-mode and low power H-mode plasmas | 136247 - 136278 | Schmitz, Oliver | 2/2/2009 |
| 10.5 | 10.5 | 144.5 | 3.6 | 485 | Simulating ITER Rampdown | 136279 - 136309 | Politzer, Pete | 2009-41-01 |
| 10.5 | 10.5 | 144.5 | 3.6 | 485 | 2nd Solenoidless Scenario Testing Thursday 19March2009 | 136310 - 136316 | Leuer, Jim | 9/1/2009 |
| 8.5 | 8.5 | 153 | 3.8 | 516 | Simulating ITER Rampdown | 136317 - 136332 | Politzer, Pete | 2009-41-01 |
| 8.5 | 8.5 | 153 | 3.8 | 516 | ITER Baseline Scenario discharges with reduced collisionality | 136333 - 136351 | Doyle, Edward | 2009-34-02 |
| 8.5 | 8.5 | 161.5 | 4 | 546 | Inboard/Outboard ITER SOL widths | 136472 - 136505 | Leonard, Tony | 2009-62-01 |
| 8.5 | 8.5 | 170 | 4.3 | 576 | Test Kinetic Ballooning Modes and EPED1 | 136506 - 136536 | Groebner, Richard | 2009-21-01 |
| 8.5 | 8.5 | 178.5 | 4.5 | 605 | Collisionality effects on RMP ELM Control | 136537 - 136566 | DeGrassie, John | 2009-31-02 |
| 10.5 | 10.5 | 189 | 4.7 | 647 | Startup: beam into gas | 136567 - 136578 | Burrell, Keith | 2009-99-01 |

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|------|------|-------|-----|------|---|--------------------|----------------------|------------|
| 10.5 | 10.5 | 189 | 4.7 | 647 | Inboard/outboard ITER startup SOL widths | 136579 - 136599 | Leonard, Tony | 2009-62-01 |
| 10.5 | 10.5 | 189 | 4.7 | 647 | DIII-D Solenoidless Startup & Current Rampup | | Leuer, Jim | 9/1/2009 |
| 10.5 | 10.5 | 189 | 4.7 | 647 | DIII-D Solenoidless Startup & Current Rampup | 136600 - 136609 | Leuer, Jim | 9/1/2009 |
| 8.5 | 8.5 | 197.5 | 4.9 | 684 | VDE Force and Displacement Scaling with Plasma Parameters | 136610 - 136647 | Humphreys, Dave | 2009-32-01 |
| 8.5 | 8.5 | 206 | 5.2 | 712 | DIII-D Solenoidless Startup & Current Rampup | 136648 - 136663 | Cunningham, Geoffrey | 9/1/2009 |
| 8.5 | 8.5 | 206 | 5.2 | 712 | Validation of Elongation and Shaping Scans of Transport | 136664 - 136678 | Holland, Chris | 3/2/2009 |
| 8.5 | 8.5 | 214.5 | 5.4 | 741 | Validation of Elongation and Shaping Scans of Transport | 136679 - 136708 | Holland, Chris | 3/2/2009 |
| 8.5 | 8.5 | 223 | 5.6 | 774 | Validation of B-Stark and an Atomic Model for MSE Spectrum | 136709 - 136742 | Antoniuk, Novimir | 2009-55-01 |
| 10.5 | 10.5 | 233.5 | 5.8 | 815 | Simulation of ITER Rampdown | 136743 - 136780 | Politzer, Pete | 2009-41-02 |
| 10.5 | 10.5 | 233.5 | 5.8 | 815 | DIII-D Solenoidless Startup & Current Rampup | | Leuer, Jim | 9/1/2009 |
| 10.5 | 10.5 | 233.5 | 5.8 | 815 | Solenoidless startup--hardware checkout | 136781 - 136785 | Mueller, Dennis | 9/1/2009 |
| 8.5 | 8.5 | 242 | 6.1 | 851 | DIII-D Solenoidless Startup & Current Rampup | 136786 - 136810 | Cunningham, Geoffrey | 9/1/2009 |
| 8.5 | 8.5 | 242 | 6.1 | 851 | Erosion of graphite, diamond-coated, and tungsten PFCs in detached divertor plasmas with Ar injection | 136811 - 136822 | Rudakov, Dmitry | 2009-65-02 |
| 8.5 | 8.5 | 250.5 | 6.3 | 883 | Steady State Scenario Development | 136823 - 136859 | Holcomb, Chris | 11/2/2009 |
| 8.5 | 8.5 | 259 | 6.5 | 909 | Size scaling of intrinsic rotation; Turbulent momentum stress source | 136860 - 136891 | DeGrassie, John | 2009-51-01 |
| 8.5 | 8.5 | 267.5 | 6.7 | 940 | Turbulence Studies with Grad_ Te Modulation | 136892 - 136893 | DeBoo, Jim | 3/1/2009 |
| 8.5 | 8.5 | 267.5 | 6.7 | 940 | TMV | 136894 - 136908 | DeBoo, Jim | 3/1/2009 |
| 8.5 | 8.5 | 267.5 | 6.7 | 940 | DIMES Heated Sample | 136909 - 136924 | Rudakov, Dmitry | 2009-65-03 |
| 8.5 | 8.5 | 276 | 6.9 | 975 | Steady State Scenario Development | 136925 - 136943 | Holcomb, Chris | 11/2/2009 |
| 8.5 | 8.5 | 276 | 6.9 | 975 | Turbulence Studies with Grad_ Te Modulation | 136944 - 136960 | DeBoo, Jim | 3/1/2009 |
| 8.5 | 8.5 | 284.5 | 7.1 | 1013 | Giant sawteeth | 136961 - 136999 | Heidbrink, Bill | 2009-52-01 |
| 8.5 | 2.3 | 286.8 | 7.2 | 1033 | Validation of theory of magnetic field driven torques | 137135 - 137170 | Cole, Andrew | 2009-51-03 |
| 8.5 | 8.5 | 295.3 | 7.4 | 1061 | Pedestal parameter dependence in double-null QH m ode | 137171 - 137199 | Burrell, Keith | 2009-21-04 |
| 8.5 | 8.5 | 303.8 | 7.6 | 1095 | Effects of nonaxisymmetric fields on density, rotation, and ELMs | 137200 - 137234 | Garofalo, Andrea | 2/3/2009 |
| 10.5 | 10.5 | 314.3 | 7.9 | 1135 | Super H-Mode | 137235 - 137267 | Snyder, Philip | 9/2/2009 |
| 10.5 | 10.5 | 314.3 | 7.9 | 1135 | ICRF H-mode Coupling Tests | 137268 - 137275 | Nagy, Alexander | 2009-99-05 |
| 8.5 | 8.5 | 322.8 | 8.1 | 1160 | Validation of theory of magnetic field driven torques | 137276 - 137301 | Cole, Andrew | 2009-51-03 |
| 8.5 | 8.5 | 331.3 | 8.3 | 1190 | Turbulence Studies with Grad_ Te Modulation | 137302 - 137332 | DeBoo, Jim | 3/1/2009 |
| 8.5 | 8.5 | 339.8 | 8.5 | 1225 | Test of collisionality dependence of momentum and particle pinch | 137333 - 137371 | Tala, Tuomas | 2009-51-02 |
| 8.5 | 3.3 | 343 | 8.6 | 1245 | JET/DIII-D rho* scaling of hybrid plasmas | 137372 - 137402 | Joffrin, Emmanuel | 12/1/2009 |
| 10.5 | 10.5 | 353.5 | 8.8 | 1276 | Bootstrap current vs. q profile at high betaN | 137403 - 137433 | Ferron, John | 11/3/2009 |
| 10.5 | 10.5 | 353.5 | 8.8 | 1276 | RF Gas Puff Coupling in H-Mode | 137434 - 137438 | Nagy, Alexander | 2009-99-05 |
| 8.5 | 8.5 | 362 | 9.1 | 1310 | Plasma response model (PRM) theory benchmarking and searching for direct evidence of 2nd least stable RWM | 137439 - 137458 | In, Yongkyoon | 2009-14-04 |
| 8.5 | 8.5 | 362 | 9.1 | 1310 | Turbulence Studies with grad_ Te Modulation | 137459 - 137473 | DeBoo, Jim | 3/1/2009 |
| 8.5 | 8.5 | 370.5 | 9.3 | 1346 | Investigation of | 137474 - 137510 | Austin, Max | 2009-53-01 |
| 8.5 | 8.5 | 379 | 9.5 | 1384 | JET/DIII-D rho* scaling of hybrid plasmas | 137511 - 137533 | Joffrin, Emmanuel | 12/1/2009 |

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| 8.5 | 8.5 | 379 | 9.5 | 1384 | Bootstrap current vs. q profile at high betaN | 137534 - 137554 | Ferron, John | 11/3/2009 |
| 10.5 | 10.5 | 389.5 | 9.7 | 1420 | Bootstrap current vs. q profile at high betaN | 137555 - 137578 | Ferron, John | 11/3/2009 |
| 10.5 | 10.5 | 389.5 | 9.7 | 1420 | JET/DIII-D rho* scaling of hybrid plasmas | 137579 - 137588 | Joffrin, Emmanuel | 12/1/2009 |
| 10.5 | 10.5 | 389.5 | 9.7 | 1420 | CER beam into gas | 137589 - 137592 | Burrell, Keith | 2009-99-99 |
| 8.5 | 8.5 | 398 | 10 | 1452 | Characterize runaway electron generation and transport | 137593 - 137626 | James, Alex | 2009-32-02 |
| 8.5 | 8.5 | 406.5 | 10.2 | 1482 | Gas balance in ECH-heated, ELMing H-mode plasmas with strong cryopumping | 137893 - 137926 | Allen, Steve | 2009-61-02 |
| 10.5 | 10.5 | 417 | 10.4 | 1516 | Gas balance in ECH-heated, ELMing H-mode plasmas with strong cryopumping | 137927 - 137950 | Allen, Steve | 2009-61-02 |
| 10.5 | 10.5 | 417 | 10.4 | 1516 | SOL Flow | 137951 - 137961 | Leonard, Tony | 2009-63-01 |
| 10.5 | 10.5 | 417 | 10.4 | 1516 | | | Cengher, Mirela | 2009-99-04 |
| 8.5 | 3 | 420 | 10.5 | 1524 | Initial experiment using large shattered pellets | | Commaux, Nicolas | 1/1/2009 |
| 8.5 | 3 | 420 | 10.5 | 1524 | Initial experiment using large shattered pellets | | Commaux, Nicolas | 1/1/2009 |
| 8.5 | 3 | 423 | 10.6 | 1544 | m/n = 2/1 NTM Suppression in ITER baseline Demonstration Discharges | | Welander, Anders | 2009-33-01 |
| 8.5 | 8.5 | 431.5 | 10.8 | 1570 | RMP ELM suppression during radiating divertor operation | 138000 - 138020 | Petrie, Tom | 2009-13-02 |
| 8.5 | 8.5 | 440 | 11 | 1603 | Correlation Between Core Density and Electron Temperature Fluctuations and Comparison with GYRO Predictions | 138021 - 138054 | White, Anne | 3/3/2009 |
| 8.5 | 8.5 | 448.5 | 11.2 | 1626 | m/n = 2/1 NTM Suppression in ITER baseline Demonstration Discharges | 138103 - 138104 | Welander, Anders | 2009-33-01 |
| 8.5 | 8.5 | 448.5 | 11.2 | 1626 | m/n = 2/1 NTM Suppression in ITER baseline Demonstration Discharges | 138105 - 138118 | Welander, Anders | 2009-33-01 |
| 8.5 | 8.5 | 448.5 | 11.2 | 1626 | ITER Baseline Scenario discharges with low torque and RF dominated heating | 138119 - 138127 | Doyle, Edward | 2009-34-01 |
| 8.5 | 8.5 | 457 | 11.4 | 1656 | Simulating ITER Rampdown in DIII-D | 138128 - 138159 | Politzer, Pete | 2009-41-04 |
| 10.5 | 10.5 | 467.5 | 11.7 | 1684 | Deconfinement of REs with RMP | 138160 - 138183 | Humphreys, Dave | 1/4/2009 |
| 10.5 | 10.5 | 467.5 | 11.7 | 1684 | ICRF H-mode Coupling Tests: Final Checkout Evening Session | 138184 - 138189 | Pinsker, Bob | 2009-99-05 |
| 8.5 | 8.5 | 476 | 11.9 | 1707 | Initial experiment using large shattered pellets | 138190 - 138213 | Commaux, Nicolas | 1/1/2009 |
| 8.5 | 8.5 | 484.5 | 12.1 | 1737 | Secondary Divertor Study | 138214 - 138244 | Watkins, Jon | 2009-65-01 |
| 8.5 | 8.5 | 493 | 12.3 | 1761 | Impact of RMP on Core and Edge Transport | 138245 - 138272 | Schmitz, Lothar | 2009-31-04 |
| 8.5 | 2 | 495 | 12.4 | 1781 | Establish the role of q95 and beta for n=3 field amplification and its relation to ELM suppression | 138273 - 138279 | Reimerdes, Holger | 2/5/2009 |
| 8.5 | 2 | 495 | 12.4 | 1781 | CER beam into gas calibration | 138280 - 138293 | Burrell, Keith | 2009-99-02 |
| 10.5 | 10.5 | 505.5 | 12.6 | 1817 | Long Distance FW Antenna Coupling With Gas Puffing | 138294 - 138296 | Pinsker, Bob | 2009-55-02 |
| 10.5 | 10.5 | 505.5 | 12.6 | 1817 | CER beam into gas | 138297 - 138301 | Burrell, Keith | 2009-99-02 |
| 10.5 | 10.5 | 505.5 | 12.6 | 1817 | Long Distance FW Antenna Coupling With Gas Puffing | 138302 - 138331 | Pinsker, Bob | 2009-55-02 |
| 8.5 | 8.5 | 514 | 12.9 | 1850 | Establish the role of q95 and beta for n=3 field amplification and its relation to ELM suppression | 138332 - 138365 | Reimerdes, Holger | 2/5/2009 |
| 8.5 | 4.8 | 518.8 | 13 | 1870 | ITER Baseline Scenario discharges with low torque and RF dominated heating | 138370 - 138379 | Doyle, Edward | 2009-34-01 |
| 8.5 | 4.8 | 518.8 | 13 | 1870 | Fast-ion transport by microturbulence | 138380 - 138394 | Heidbrink, Bill | 2009-52-02 |
| 8.5 | 8.5 | 527.3 | 13.2 | 1900 | Effect of energetic particles on RWM stability | 138395 - 138410 | Reimerdes, Holger | 2009-99-07 |
| 8.5 | 8.5 | 527.3 | 13.2 | 1900 | MHD spectroscopic search for possible 2nd least stable RWM | 138411 - 138425 | In, Yongkyoon | 2009-14-03 |
| 8.5 | 8.5 | 535.8 | 13.4 | 1927 | Pedestal scaling with p* and rotation at high triangularity | 138426 - 138454 | Osborne, Tom | 2009-21-03 |
| 10.5 | 10.5 | 546.3 | 13.7 | 1962 | Measure 3D structures with slowly rotating n=2 fields | 138455 - 138490 | Lasnier, Charles | 2/4/2009 |

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|------|------|-------|------|------|---|--------------------|---------------------|------------|
| 8.5 | 8.5 | 554.8 | 13.9 | 1996 | Large Shell Pellet Test | 138491 - 138496 | Hollmann, Eric | 1/3/2009 |
| 8.5 | 8.5 | 554.8 | 13.9 | 1996 | Large Shell Pellet Test | 138497 - 138526 | Hollmann, Eric | 1/3/2009 |
| 8.5 | 8.5 | 554.8 | 13.9 | 1996 | Deconfinement of REs with RMP | 138516 - 138525 | Humphreys, Dave | 1/4/2009 |
| 8.5 | 8.5 | 563.3 | 14.1 | 2029 | Radiating Divertor with RMP ELM Suppression | 138527 - 138560 | Petrie, Tom | 2009-99-08 |
| 8.5 | 8.5 | 571.8 | 14.3 | 2061 | Validation | 138561 - 138578 | Cole, Andrew | 2009-99-22 |
| 8.5 | 8.5 | 571.8 | 14.3 | 2061 | QH-mode with NRMF driven rotation | 138579 - 138593 | Garofalo, Andrea | 2009-99-20 |
| 8.5 | 8.5 | 580.3 | 14.5 | 2091 | QH-mode with NRMF driven rotation | 138594 - 138612 | Garofalo, Andrea | 2009-99-20 |
| 8.5 | 8.5 | 580.3 | 14.5 | 2091 | Super H-Mode | 138613 - 138624 | Snyder, Philip | 2009-99-21 |
| 10.5 | 8.5 | 588.8 | 14.7 | 2113 | Super H-Mode | 138625 - 138639 | Snyder, Philip | 2009-99-21 |
| 10.5 | 8.5 | 588.8 | 14.7 | 2113 | QH-mode with NRMF driven rotation | 138640 - 138640 | Garofalo, Andrea | 2009-99-20 |
| 10.5 | 8.5 | 588.8 | 14.7 | 2113 | Large Shell Pellet Test | 138641 - 138655 | Eidietis, Nick | 1/3/2009 |
| 8.5 | 8.5 | 597.3 | 14.9 | 2147 | Initial vessel conditioning during changeover from D3DMP No. 2009-99-93 deuterium to helium | 138656 - 138690 | Jackson, Gary | 2009-99-93 |
| 8.5 | 5.3 | 602.5 | 15.1 | 2167 | H-mode power threshold and H-mode characteristics in helium plasmas | 138691 - 138711 | Gohil, Punit | 2009-35-01 |
| 8.5 | 8.5 | 611 | 15.3 | 2194 | H-mode Power Threshold and H-mode characteristics in helium plasmas | 138712 - 138739 | Gohil, Punit | 2009-35-02 |
| 8.8 | 8.8 | 619.8 | 15.5 | 2224 | H-mode Power Threshold and H-mode characteristics in helium plasmas | 138740 - 138761 | Gohil, Punit | 2009-35-02 |
| 8.8 | 8.8 | 619.8 | 15.5 | 2224 | RMP ELM suppression and density pumpout studies in helium discharges | 138762 - 138770 | Unterberg, Zeke | 2009-35-03 |
| 8.5 | 8.5 | 628.3 | 15.7 | 2248 | RMP ELM suppression and density pumpout studies in helium discharges | 138771 - 138772 | Unterberg, Zeke | 2009-35-03 |
| 8.5 | 8.5 | 628.3 | 15.7 | 2248 | RMP ELM suppression and density pumpout studies in helium discharges | 138773 - 138791 | Unterberg, Zeke | 2009-35-03 |
| 8.5 | 8.5 | 628.3 | 15.7 | 2248 | ITER Startup, Access, and Rampdown Similarity Studies in Helium Discharges | 138792 - 138795 | Jackson, Gary | 2009-35-04 |
| 10.5 | 10.5 | 638.8 | 16 | 2284 | H-mode Power Threshold and H-mode characteristics in helium plasmas | 138796 - 138808 | Gohil, Punit | 2009-35-02 |
| 10.5 | 10.5 | 638.8 | 16 | 2284 | ITER Startup, Access, and Rampdown Similarity Studies in Helium Discharges | 138809 - 138827 | Jackson, Gary | 2009-35-04 |
| 10.5 | 10.5 | 638.8 | 16 | 2284 | CER helium beam into deuterium gas | 138828 - 138832 | Burrell, Keith | 2009-99-92 |