



Annex 3 to Letter Ref.: TD/ag-1542

## JET 2015/16 Workprogramme Experiments' Schedule

Exp-ID	Title of Experiment	Date
<b>Campaign C35 - Deuterium</b>		
<b>Week 43 (Campaign week: 1) 19 - 23 Oct DT rehearsal (15 MW NBI)</b>		
M15-30	Benchmark predictive models of SOL/divertor impurity transport and material migration (QMBs) (1/1)	19/10/15
M15-10	Maximization of ICRH power in H-mode (1/1) GIM15	
M15-21	Dynamics and stability of divertor detachment (1/3)	20/10/15
M15-06	Entry to H-mode at lower input power and q95~3 (1/2)	
M15-11	Characterization of performance limiting, RF-induced impurity sources (ILA) (1/2)	21/10/15
M15-27	ICRH scenarios for DT (1/3)	
M15-15	Avoiding the ballooning boundary (1/3)	22/10/15
M15-13	Impact of D Outgassing from W divertor on ELM duration (1/2)	
Cont-D	D-Contingency (1/49) for pulses from earlier sessions	23/10/15
Cont-D	D-Contingency (2/49) for pulses from earlier sessions	
<b>Week 44 (Campaign week: 2) 26 - 30 Oct DT rehearsal</b>		
Neutral beam SYNC commissioning to full power with AGHS		26/10/15
M15-11	Characterization of performance limiting, RF-induced impurity sources (ILA) (2/2)	
M15-01	Baseline scenario for DT (1/30) scenario development	27/10/15
M15-01	Baseline scenario for DT (2/30) scenario development	
M15-15	Avoiding the ballooning boundary (2/3)	28/10/15
M15-06	Entry to H-mode at lower input power and q95~3 (2/2)	
M15-12	Pedestal optimisation in high shaped plasmas (1/4)	29/10/15
M15-12	Pedestal optimisation in high shaped plasmas (2/4)	
Cont-D	D-Contingency (3/49) for pulses from earlier sessions	30/10/15
Cont-D	D-Contingency (4/49) for pulses from earlier sessions	
<b>Week 45 (Campaign week: 3) 2 - 6 Nov DT rehearsal</b>		
M15-13	Impact of D Outgassing from W divertor on ELM duration (2/2)	02/11/15
M15-12	Pedestal optimisation in high shaped plasmas (3/4)	
M15-02	Hybrid scenario for DT (1/30) scenario development/Ne seeding	03/11/15
M15-02	Hybrid scenario for DT (2/30) scenario development/Ne seeding	
M15-15	Avoiding the ballooning boundary (3/3)	04/11/15
M15-03	High Z impurity control in H-mode access and exit phases (1/2)	
Cont-D	D-Contingency (5/49)	05/11/15
Cont-D	D-Contingency (6/49)	
M15-22	Impact of seeding gases on recycling behaviour, radiation pattern, pedestal and detachment (1/5)	06/11/15
M15-27	ICRH scenarios for DT (2/3)	
<b>Week 46 (Campaign week: 4) 9 - 13 Nov DT rehearsal</b>		
M15-04	Role of transport by ELMs and between ELMs on high Z impurity expulsion (1/3)	09/11/15
M15-26	Isotope effect on transport (1/4)	
M15-01	Baseline scenario for DT (3/30) scenario development	10/11/15
M15-01	Baseline scenario for DT (4/30) scenario development	
M15-02	Hybrid scenario for DT (3/30) ICRH optimisation/Ne seeding	11/11/15
M15-02	Hybrid scenario for DT (4/30) ICRH optimisation/Ne seeding	
Cont-D	D-Contingency (7/49)	12/11/15
Cont-D	D-Contingency (8/49)	
M15-03	High Z impurity control in H-mode access and exit phases (2/2)	13/11/15
M15-14	Characterise main chamber recycling and radial SOL fluxes ELM/inter-ELM (1/2)	
<b>Week 47 (Campaign week: 5) 16 - 20 Nov</b>		
Neutral beam SYNC commissioning to full power with normal gas feed		16/11/15
M15-22	Impact of seeding gases on recycling behaviour, radiation pattern, pedestal and detachment (2/5)	
Cont-D	D-Contingency (9/49)	17/11/15
Cont-D	D-Contingency (10/49)	
M15-01	Baseline scenario for DT (5/30) Ne seeding	18/11/15
M15-01	Baseline scenario for DT (6/30) Ne seeding	
M15-02	Hybrid scenario for DT (5/30) Pellet pacing/Ne seeding	19/11/15
M15-02	Hybrid scenario for DT (6/30) Pellet pacing/Ne seeding	
M15-17	Optimisation of disruption mitigation for high current operation (1/4)	20/11/15
M15-26	Isotope effect on transport (2/4)	



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	<b>Week 48 (Campaign week: 6)</b>	<b>23 - 27 Nov</b>	<b>Back to normal gas feed</b>
	Maintenance		23/11/15
	Maintenance		
M15-22	Impact of seeding gases on recycling behaviour, radiation pattern, pedestal and detachment (3/5)		24/11/15
M15-32	Investigation of heat flux mitigation factor and of W melting by ELMs (1/4)		
M15-01	Baseline scenario for DT (7/30) Ne seeding		25/11/15
M15-01	Baseline scenario for DT (8/30) Ne seeding		
Cont-D	D-Contingency (11/49)		26/11/15
Cont-D	D-Contingency (12/49)		
M15-17	Optimisation of disruption mitigation for high current operation (2/4)		27/11/15
M15-31	Quantify dynamic fuel wall inventory and fuel retention at high recycling flux (1/1)		
	<b>Week 49 (Campaign week: 7)</b>	<b>30 Nov - 4 Dec</b>	
M15-12	Pedestal optimisation in high shaped plasmas (4/4)		30/11/15
Cont-D	D-Contingency (13/49)		
M15-02	Hybrid scenario for DT (7/30) ICRH optimisation		01/12/15
M15-02	Hybrid scenario for DT (8/30) ICRH optimisation		
Cont-D	D-Contingency (14/49)		02/12/15
Cont-D	D-Contingency (15/49)		
M15-20	Seeding to maximum radiated fraction towards high Psep/R (1/8)		03/12/15
M15-20	Seeding to maximum radiated fraction towards high Psep/R (2/8)		
M15-17	Optimisation of disruption mitigation for high current operation (3/4)		04/12/15
M15-22	Impact of seeding gases on recycling behaviour, radiation pattern, pedestal and detachment (4/5)		
	<b>Week 50 (Campaign week: 8)</b>	<b>7 - 11 Dec</b>	
M15-05	Dimensionless beta scan in baseline plasmas (1/2)		07/12/15
M15-05	Dimensionless beta scan in baseline plasmas (2/2)		
M15-01	Baseline scenario for DT (9/30) Ar seeding		08/12/15
M15-01	Baseline scenario for DT (10/30) Ar seeding		
M15-32	Investigation of heat flux mitigation factor and of W melting by ELMs (2/4)		09/12/15
M15-17	Optimisation of disruption mitigation for high current operation (4/4)		
M15-28	Extend scalings of ELM power loads and of SOL width to inner divertor and first wall (1/3)		10/12/15
M15-28	Extend scalings of ELM power loads and of SOL width to inner divertor and first wall (2/3)		
	No operations		11/12/15
	No operations		
	<b>Week 51 (Campaign week: 9)</b>	<b>14 - 18 Dec</b>	
M15-32	Investigation of heat flux mitigation factor and of W melting by ELMs (3/4)		14/12/15
M15-28	Extend scalings of ELM power loads and of SOL width to inner divertor and first wall (3/3)		
Cont-D	D-Contingency (16/49)		15/12/15
Cont-D	D-Contingency (17/49)		
M15-02	Hybrid scenario for DT (9/30) Scenario development		16/12/15
M15-02	Hybrid scenario for DT (10/30) Scenario development		
M15-32	Investigation of heat flux mitigation factor and of W melting by ELMs (4/4)		17/12/15
M15-14	Characterise main chamber recycling and radial SOL fluxes ELM/inter-ELM (2/2)		
M15-20	Seeding to maximum radiated fraction towards high Psep/R (3/8)		18/12/15
M15-20	Seeding to maximum radiated fraction towards high Psep/R (4/8)		
	<b>End of C35</b>		
	<b>Week 52</b>	<b>21 - 25 Dec</b>	
	X-mas break		21/12/15
	X-mas break		
	X-mas break		22/12/15
	X-mas break		
	X-mas break		23/12/15
	X-mas break		
	X-mas break		24/12/15
	X-mas break		
	X-mas break		25/12/15
	X-mas break		



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Exp-ID	Title of Experiment	Date
<b>Week 53 28 Dec - 1 Jan</b>		
	X-mas break	28/12/15
	X-mas break	
	X-mas break	29/12/15
	X-mas break	
	X-mas break	30/12/15
	X-mas break	
	X-mas break	31/12/15
	X-mas break	
	X-mas break	01/01/16
	X-mas break	
<b>Campaign C36 - Deuterium</b>		
<b>Week 1 (Campaign week: 10) 4 - 8 Jan Warm up generators, LN2 regen</b>		
	Maintenance	04/01/16
	Maintenance	
	Maintenance	05/01/16
	Maintenance	
	Plasma Restart	06/01/16
	Plasma Restart	
M15-21	Dynamics and stability of divertor detachment (2/3)	07/01/16
M15-25	Effect of fast particle and electro-magnetic stabilization on turbulent transport in a DT plasma (1/1)	
M15-29	Study impurity migration and ammonia formation in seeded H-mode discharges (1/4)	08/01/16
M15-29	Study impurity migration and ammonia formation in seeded H-mode discharges (2/4)	
<b>Week 2 (Campaign week: 11) 11 - 15 Jan</b>		
M15-09	Impact of proximity to tile 1 on L-H and W source (1/2)	11/01/16
M15-09	Impact of proximity to tile 1 on L-H and W source (2/2)	
M15-02	Hybrid scenario for DT (11/30)	12/01/16
M15-02	Hybrid scenario for DT (12/30)	
M15-22	Impact of seeding gases on recycling behaviour, radiation pattern, pedestal and detachment (5/5)	13/01/16
Cont-D	D-Contingency (18/49)	
M15-20	Seeding to maximum radiated fraction towards high Psep/R (5/8)	14/01/16
M15-20	Seeding to maximum radiated fraction towards high Psep/R (6/8)	
Cont-D	D-Contingency (19/49)	15/01/16
M15-18	Develop ITER-like disruption mitigation scenarios (1/6)	
<b>Week 3 (Campaign week: 12) 18 - 22 Jan</b>		
M15-02	Hybrid scenario for DT (13/30)	18/01/16
M15-02	Hybrid scenario for DT (14/30)	
M15-01	Baseline scenario for DT (11/30) Ar-seeding	19/01/16
M15-01	Baseline scenario for DT (12/30) Ar-seeding	
M15-26	Isotope effect on transport (3/4)	20/01/16
M15-26	Isotope effect on transport (4/4)	
Cont-D	D-Contingency (20/49)	21/01/16
Cont-D	D-Contingency (21/49)	
M15-20	Seeding to maximum radiated fraction towards high Psep/R (7/8)	22/01/16
M15-20	Seeding to maximum radiated fraction towards high Psep/R (8/8)	
<b>Week 4 (Campaign week: 13) 25 - 29 Jan</b>		
M15-07	Dependence of H-mode access on plasma current (1/2)	25/01/16
M15-04	Role of transport by ELMs and between ELMs on high Z impurity expulsion (2/3)	
Cont-D	D-Contingency (22/49)	26/01/16
Cont-D	D-Contingency (23/49)	
M15-01	Baseline scenario for DT (13/30)	27/01/16
M15-01	Baseline scenario for DT (14/30)	
M15-02	Hybrid scenario for DT (15/30)	28/01/16
M15-02	Hybrid scenario for DT (16/30)	
M15-18	Develop ITER-like disruption mitigation scenarios (2/6)	29/01/16
M15-21	Dynamics and stability of divertor detachment (3/3)	



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Exp-ID	Title of Experiment	Date
<b>Week 5 (Campaign week: 14) 1 - 5 Feb</b>		
M15-01	Baseline scenario for DT (15/30)	01/02/16
M15-01	Baseline scenario for DT (16/30)	
M15-02	Hybrid scenario for DT (17/30)	02/02/16
M15-02	Hybrid scenario for DT (18/30)	
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (1/7)	03/02/16
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (2/7)	
M15-07	Dependence of H-mode access on plasma current (2/2)	04/02/16
M15-18	Develop ITER-like disruption mitigation scenarios (3/6)	
Cont-D	D-Contingency (24/49)	05/02/16
Cont-D	D-Contingency (25/49)	
<b>Week 6 (Campaign week: 15) 8 - 12 Feb</b>		
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (3/7)	08/02/16
Cont-D	D-Contingency (26/49)	
M15-01	Baseline scenario for DT (17/30)	09/02/16
M15-01	Baseline scenario for DT (18/30)	
M15-02	Hybrid scenario for DT (19/30)	10/02/16
M15-02	Hybrid scenario for DT (20/30)	
Cont-D	D-Contingency (27/49)	11/02/16
Cont-D	D-Contingency (28/49)	
M15-18	Develop ITER-like disruption mitigation scenarios (4/6)	12/02/16
M15-04	Role of transport by ELMs and between ELMs on high Z impurity expulsion (3/3)	
<b>Week 7 (Campaign week: 16) 15 - 19 Feb</b>		
M15-23	Characterisation of type-I to type-III transition and H to L in high-delta seeded scenarios (1/2)	15/02/16
M15-23	Characterisation of type-I to type-III transition and H to L in high-delta seeded scenarios (2/2)	
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (4/7)	16/02/16
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (5/7)	
M15-01	Baseline scenario for DT (19/30)	17/02/16
M15-01	Baseline scenario for DT (20/30)	
M15-02	Hybrid scenario for DT (21/30)	18/02/16
M15-02	Hybrid scenario for DT (22/30)	
Cont-D	D-Contingency (29/49)	19/02/16
Cont-D	D-Contingency (30/49)	
<b>Week 8 (Campaign week: 17) 22 - 26 Feb</b>		
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (6/7)	22/02/16
M15-24	Target discharge for TAE's in DTE2 and fast particle physics (7/7)	
Cont-D	D-Contingency (31/49)	23/02/16
Cont-D	D-Contingency (32/49)	
Cont-D	D-Contingency (33/49)	24/02/16
Cont-D	D-Contingency (34/49)	
M15-01	Baseline scenario for DT (21/30)	25/02/16
M15-01	Baseline scenario for DT (22/30)	
M15-18	Develop ITER-like disruption mitigation scenarios (5/6)	26/02/16
M15-16	Plasma fuelling in ITER pedestal conditions (1/2)	
<b>Week 9 (Campaign week: 18) 29 Feb - 4 Mar</b>		
M15-02	Hybrid scenario for DT (23/30)	29/02/16
M15-02	Hybrid scenario for DT (24/30)	
M15-01	Baseline scenario for DT (23/30)	01/03/16
M15-01	Baseline scenario for DT (24/30)	
Cont-D	D-Contingency (35/49)	02/03/16
Cont-D	D-Contingency (36/49)	
M15-18	Develop ITER-like disruption mitigation scenarios (6/6)	03/03/16
M15-27	ICRH scenarios for DT (3/3)	
	Maintenance	04/03/16
	Maintenance	



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Exp-ID	Title of Experiment		Date
	Week 10 (Campaign week: 19)	7 - 11 Mar	
Cont-D	D-Contingency (37/49)		07/03/16
Cont-D	D-Contingency (38/49)		
M15-02	Hybrid scenario for DT (25/30)		08/03/16
M15-02	Hybrid scenario for DT (26/30)		
Cont-D	D-Contingency (39/49)		09/03/16
Cont-D	D-Contingency (40/49)		
M15-01	Baseline scenario for DT (25/30)		10/03/16
M15-01	Baseline scenario for DT (26/30)		
M15-19	Mitigation of run-away with high-Z material (1/4)		11/03/16
M15-16	Plasma fuelling in ITER pedestal conditions (2/2)		
	Week 11 (Campaign week: 20)	14 - 18 Mar	
M15-08	Integrating the building blocks of the ITER scenario (1/4)		14/03/16
M15-08	Integrating the building blocks of the ITER scenario (2/4)		
Cont-D	D-Contingency (41/49)		15/03/16
Cont-D	D-Contingency (42/49)		
M15-02	Hybrid scenario for DT (27/30)		16/03/16
M15-02	Hybrid scenario for DT (28/30)		
M15-01	Baseline scenario for DT (27/30)		17/03/16
M15-01	Baseline scenario for DT (28/30)		
Cont-D	D-Contingency (43/49)		18/03/16
M15-19	Mitigation of run-away with high-Z material (2/4)		
	Week 12 (Campaign week: 21)	21 - 25 Mar	
M15-08	Integrating the building blocks of the ITER scenario (3/4)		21/03/16
M15-08	Integrating the building blocks of the ITER scenario (4/4)		
Cont-D	D-Contingency (44/49)		22/03/16
Cont-D	D-Contingency (45/49)		
M15-02	Hybrid scenario for DT (29/30)		23/03/16
M15-02	Hybrid scenario for DT (30/30)		
	Maundy Thursday		24/03/16
	Maundy Thursday		
	Good Friday		25/03/16
	Good Friday		
	Week 13 (Campaign week: 22)	28 Mar - 1 Apr	
	Easter Monday		28/03/16
	Easter Monday		
Cont-D	D-Contingency (46/49) recovery from Easter if necessary		29/03/16
Cont-D	D-Contingency (47/49) recovery from Easter if necessary		
M15-01	Baseline scenario for DT (29/30)		30/03/16
M15-01	Baseline scenario for DT (30/30)		
Cont-D	D-Contingency (48/49)		31/03/16
Cont-D	D-Contingency (49/49)		
M15-19	Mitigation of run-away with high-Z material (3/4)		01/04/16
M15-19	Mitigation of run-away with high-Z material (4/4)		
	Week 14 (Campaign week: 23)	4 - 8 Apr Regen LN2	
M15-29	Study impurity migration and ammonia formation in seeded H-mode discharges (3/4) LTS-experiment		04/04/16
M15-29	Study impurity migration and ammonia formation in seeded H-mode discharges (4/4) LTS-experiment		
	Prepare for shutdown 2016		05/04/16
	Prepare for shutdown 2016		
	Prepare for shutdown 2016		06/04/16
	Prepare for shutdown 2016		
	Prepare for shutdown 2016		07/04/16
	Prepare for shutdown 2016		
	Prepare for shutdown 2016		08/04/16
	Prepare for shutdown 2016		
	End of 2015/16 Campaigns		