

Experiment Summary for Open-Access NMR Spectrometers

Spectrometer	Experiment	Description	Range (ppm)	Number of transients	Run time (min:sec)	Night time only	
<b>DPX200</b> {1H}	N h1acq.au	Proton	12 → -2	16	1:15		
	N h1acq2.au	Proton with wide SW	21 → -5	16	1:19		
	N h1acq3.au	Proton with extra wide SW to 25 ppm	25 → -5	16	1:12		
	N h1sup.au	Proton with D2O presaturation	13 → -3	16	1:09		
	N h1sup2.au	Proton with wide SW and D2O presaturation	21 → -11	16	1:09		
<b>AVG400</b> {1H, 13C, 19F, 31P}	N h1acq.crl	Proton	16 → -4	16	1:32		
	N h1sup.crl	Proton with D2O presaturation	14.7 → -5.3	16	1:32		
	N f19acq.crl	Fluorine 100 to -250 ppm (16 scans)	100 → -250	16	1:00		
	N f19dec.crl	Fluorine with 1H decoupling 100 to -250 ppm (16 scans)	100 → -250	16	1:00		
	N f19acqQ.crl	Fluorine quantitative -50 to -250 ppm (set o1p for 19F shift)	-50 → -250	16	3:38		
	N h1f19dec.crl	Proton with 19F decoupling (set o2p for 19F shift)	15 → -5	16	0:55		
	N p31dec.crl	Phosphorus with 1H decoupling 200 to -200 ppm	200 → -200	16	1:01		
	Nh1p31dec.crl	Proton with 31P decoupling (set o2p for 31P shift)	15 → -5	16	0:55		
	n c13acq_256.crl	13C 256 scans	230 → -30	256	7:20	Yes	
	n c13acq_512.crl	13C 512 scans	230 → -30	512	14:33	Yes	
	n DEPT135.crl	13C DEPT135	230 → -30	128	3:41	Yes	
	n DEPTQ.crl	13C DEPTQ	230 → -30	128	7:16	Yes	
	n f19acq_256.crl	Fluorine 100 to -250 ppm (256 scans)	100 → -250	256	13:07	Yes	
	n f19dec_256.crl	Fluorine with 1H decoupling 100 to -250 ppm (256 scans)	100 → -250	256	13:07	Yes	
	c COSYSW	Proton with 2D COSY	optimised on <sup>1</sup> H	1	5	Yes	
	c COSYPRSW	Proton presat. with 2D COSY	optimised on <sup>1</sup> H	1	6	Yes	
	c HSQC SW	13C edited HSQC	optimised on <sup>1</sup> H	2	5	Yes	
	<b>AVH400</b> {1H, 13C, 19F, 31P}	N h1acq.crl	Proton	16 → -4	16	1:32	
		N h1acq2.crl	Proton with wide SW	25 → -5	16	1:07	
		N h1sup.crl	Proton with D2O presaturation	14.7 → -5.3	16	1:32	
n f19acq.crl		Fluorine 100 to -250 ppm (16 scans)	100 → -250	16	1:00	Yes	
n f19acq_256.crl		Fluorine 100 to -250 ppm (256 scans)	100 → -250	256	13:07	Yes	
n f19dec.crl		Fluorine with 1H decoupling 100 to -250 ppm (16 scans)	100 → -250	16	1:00	Yes	
n f19dec_256.crl		Fluorine with 1H decoupling 100 to -250 ppm (256 scans)	100 → -250	256	13:07	Yes	
n h1f19dec.crl		Proton with 19F decoupling (set o2p for 19F shift)	15 → -5	16	0:55	Yes	
n p31dec.crl		Phosphorus with 1H decoupling 200 to -200 ppm	200 → -200	16	1:01	Yes	
n h1p31dec.crl		Proton with 31P decoupling (set o2p for 31P shift)	15 → -5	16	0:55	Yes	
n c13acq_256.crl		Carbon 256 scans	230 → -30	256	7:20	Yes	
n c13acq_512.crl		Carbon 512 scans	230 → -30	512	14:33	Yes	
n DEPT135.crl		Carbon DEPT135	230 → -30	128	3:41	Yes	
n DEPTQ.crl		Carbon DEPTQ	230 → -30	128	7:16	Yes	
c COSY.comp		Proton with COSY	optimised on <sup>1</sup> H	1	5	Yes	
c COSYPR.comp		Proton presat. with COSY	optimised on <sup>1</sup> H	1	5	Yes	
c HSQC.comp		Proton with HSQC	optimised on <sup>1</sup> H	2	5	Yes	
c COSY_HSQC.comp		Proton with COSY and HSQC	optimised on <sup>1</sup> H	1 + 2	5 + 5	Yes	
<b>AVF400</b> {1H, 13C, 19F, 31P}		N h1acq.crl	Proton	16 → -4	16	1:32	
		N h1acq2.crl	Proton with wide SW	25 → -5	16	1:07	
	N h1sup.crl	Proton with D2O presaturation	14.7 → -5.3	16	1:32		
	n c13acq_256.crl	Carbon 256 scans	230 → -30	256	7:20	Yes	
	n c13acq_512.crl	Carbon 512 scans	230 → -30	512	14:33	Yes	
	n DEPT135.crl	Carbon DEPT135	230 → -30	128	3:41	Yes	
	n DEPTQ.crl	Carbon DEPTQ	230 → -30	128	7:16	Yes	
	c COSY.comp	Proton with COSY	optimised on <sup>1</sup> H	1	5	Yes	
	c COSYPR.comp	Proton presat. with COSY	optimised on <sup>1</sup> H	1	6	Yes	
	c HSQC.comp	Proton with HSQC	optimised on <sup>1</sup> H	2	5	Yes	
	c COSY_HSQC.comp	Proton with COSY and HSQC	optimised on <sup>1</sup> H	1 + 2	5 + 5	Yes	
	N f19acq.crl	Fluorine 100 to -250 ppm (16 scans)	100 → -250	16	1:00		
	N f19dec.crl	Fluorine with 1H decoupling 100 to -250 ppm (16 scans)	100 → -250	16	1:00		
	N f19acqQ.crl	Fluorine quantitative -50 to -250 ppm (set o1p for 19F shift)	-50 → -250	16	3:38		
	C F19.comp	Fluorine optimised for JH measurement	optimised on <sup>19</sup> F	16	0:38		
	N h1f19dec.crl	Proton with 19F decoupling (set o2p for 19F shift)	15 → -5	16	0:55		
	n f19acq_256.crl	Fluorine 100 to -250 ppm (256 scans)	100 → -250	256	13:07	Yes	
	n f19dec_256.crl	Fluorine with 1H decoupling 100 to -250 ppm (256 scans)	100 → -250	256	13:07	Yes	
	N p31dec.crl	Phosphorus with 1H decoupling 200 to -200 ppm	200 → -200	16	1:01		
	N h1p31dec.crl	Proton with 31P decoupling (set o2p for 31P shift)	15 → -5	16	0:55		

N: Normal (Single) experiments

C: Composite experiments comprising two or more parameter sets