General Information

- Please use following file name convention for submission: Beginning with your first name initial and full surname, add test case id followed by file serial number separated by underscores and/or hyphens. For example, if your name is John Smith and for the third file of test case 1a.2., a file name *fig_1a_2-03.wmf* appearing in the instruction should be rewritten as *jsmith_1a_2-03.wmf*

- Please archive all of your figure files and integral data files for all cases into one zipped file. The file name should be *your first name initial* and *your surname* + ".zip". For example, if your name is John Smith, the file name is *jsmith.zip* .

- The archived file should be uploaded to the FTP server of FORCE via FORCE ftp-server. User account name and password are required to login the server. Please contact the organizer (technical@simman2007.dk) to obtain this information.

Fig.3a.6-1 Axial velocity contours and cross flow vectors (x/L_{PP}=0.135)

File name for PMM phase 0° case	fig_3a_6-01a.tif
File name for PMM phase 45° case	fig_3a_6-01b.tif
File name for PMM phase 90° case	fig_3a_6-01c.tif
File name for PMM phase 135° case	fig_3a_6-01d.tif
Horizontal-axis variable and range	$-0.1 \le y/L_{PP} \le 0.1$
Vertical-axis variable and range	$-0.08 \le z/L_{PP} \le 0.053$
Contour levels	$0.5 \le U \le 1.0,\ \Delta U \le 0.05$
Tecplot setups	Frame size = 9×6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1% Vectors size = 0.025 relative (Grid units/ Magnitude) Vector line color and size : black, 0.1%

Fig.3a.6-2 Transverse velocity contours (x/L_{PP}=0.135)

File name for PMM phase 0°	fig_3a_6-02a.tif
File name for PMM phase 45°	fig_3a_6-02b.tif
File name for PMM phase 90°	fig_3a_6-02c.tif
File name for PMM phase 135°	fig_3a_6-02d.tif
Horizontal-axis variable and range	$-0.1 \le y/L_{PP} \le 0.1$
Vertical-axis variable and range	$-0.08 \le z/L_{PP} \le 0.053$
Contour levels	$-0.2 \le V \le 0.2$，$\Delta V \le 0.05$
Tecplot setups	Frame size = 9×6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.6-3 Vertical velocity contours (x/L_{PP}=0.135)

File name for PMM phase 0°	fig_3a_6-03a.tif
File name for PMM phase 45°	fig_3a_6-03b.tif
File name for PMM phase 90°	fig_3a_6-03c.tif
File name for PMM phase 135°	fig_3a_6-03d.tif
Horizontal-axis variable and range	$-0.1 \le y/L_{PP} \le 0.1$
Vertical-axis variable and range	$-0.08 \le z/L_{PP} \le 0.053$
Contour levels	$-0.2 \le W \le 0.2$，$\Delta W \le 0.05$
Tecplot setups	Frame size = 9×6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.6-4 Turbulent kinetic energy contours (x/L_{PP}=0.135)

File name for PMM phase 0°	fig_3a_6-04a.tif
File name for PMM phase 45°	fig_3a_6-04b.tif
File name for PMM phase 90°	fig_3a_6-04c.tif
File name for PMM phase 135°	fig_3a_6-04d.tif
Horizontal-axis variable and range	$-0.1 \le y/L_{PP} \le 0.1$
Vertical-axis variable and range	$-0.08 \le z/L_{PP} \le 0.053$
Contour levels	k = 0.001, 0.002, 0.003, 0.004, 0.005, 0.006, 0.008, 0.01, 0.02
Tecplot setups	Frame size = 9 × 6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.6-5 Axial vorticity contours (x/L_{PP}=0.135)

File name for PMM phase 0°	fig_3a_6-05a.tif
File name for PMM phase 45°	fig_3a_6-05b.tif
File name for PMM phase 90°	fig_3a_6-05c.tif
File name for PMM phase 135°	fig_3a_6-05d.tif
Horizontal-axis variable and range	$-0.1 \le y/L_{PP} \le 0.1$
Vertical-axis variable and range	$-0.08 \le z/L_{PP} \le 0.053$
Contour levels	ω_x = -150, -50, -20, -15, -10, -5, 5, 10, 15, 20, 50, 150
Tecplot setups	Frame size = 9 × 6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Large Rainbow color map Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.6-6 Axial velocity contours and cross flow vectors (x/L_{PP}=0.935)

File name for PMM phase 0°	fig_3a_6-06a.tif
File name for PMM phase 45°	fig_3a_6-06b.tif
File name for PMM phase 90°	fig_3a_6-06c.tif
File name for PMM phase 135°	fig_3a_6-06d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	Same as Fig.3a.6-1
Contour levels	
Tecplot setups	
Style (Tecplot)	

Fig.3a.6-7 Transverse velocity contours (x/L_{PP}=0.935)

File name for PMM phase 0° case	fig_3a_6-07a.tif
File name for PMM phase 45° case	fig_3a_6-07b.tif
File name for PMM phase 90° case	fig_3a_6-07c.tif
File name for PMM phase 135° case	fig_3a_6-07d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	Same as Fig.3a.6-2
Contour levels	
Tecplot setups	
Style (Tecplot)	

Fig.3a.6-8 Vertical velocity contours (x/L_{PP}=0.935)

File name for PMM phase 0°	fig_3a_6-08a.tif
File name for PMM phase 45°	fig_3a_6-08b.tif
File name for PMM phase 90°	fig_3a_6-08c.tif
File name for PMM phase 135°	fig_3a_6-08d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	Same as Fig.3a.6-3
Contour levels	
Tecplot setups	
Style (Tecplot)	

Fig.3a.6-9 Turbulent kinetic energy contours (x/L_{PP}=0.935)

File name for PMM phase 0°	fig_3a_6-09a.tif
File name for PMM phase 45°	fig_3a_6-09b.tif
File name for PMM phase 90°	fig_3a_6-09c.tif
File name for PMM phase 135°	fig_3a_6-09d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	Same as Fig.3a.6-4
Contour levels	
Tecplot setups	
Style (Tecplot)	

Fig.3a.6-10 Axial vorticity contours (x/L_{PP}=0.935)

File name for PMM phase 0°	fig_3a_6-10a.tif
File name for PMM phase 45°	fig_3a_6-10b.tif
File name for PMM phase 90°	fig_3a_6-10c.tif
File name for PMM phase 135°	fig_3a_6-10d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	Same as Fig.3a.6-5
Contour levels	
Tecplot setups	
Style (Tecplot)	