Horns Rev II, 2D-Model Tests

Impact Pressures on Horizontal and Cone Platforms from Irregular Waves

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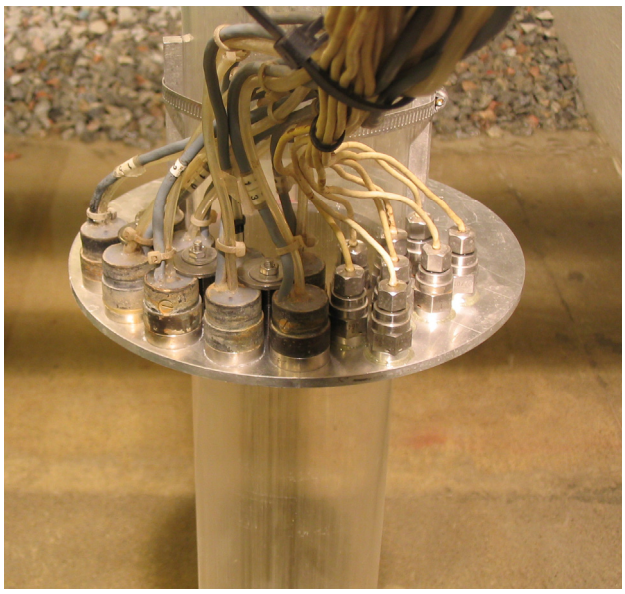
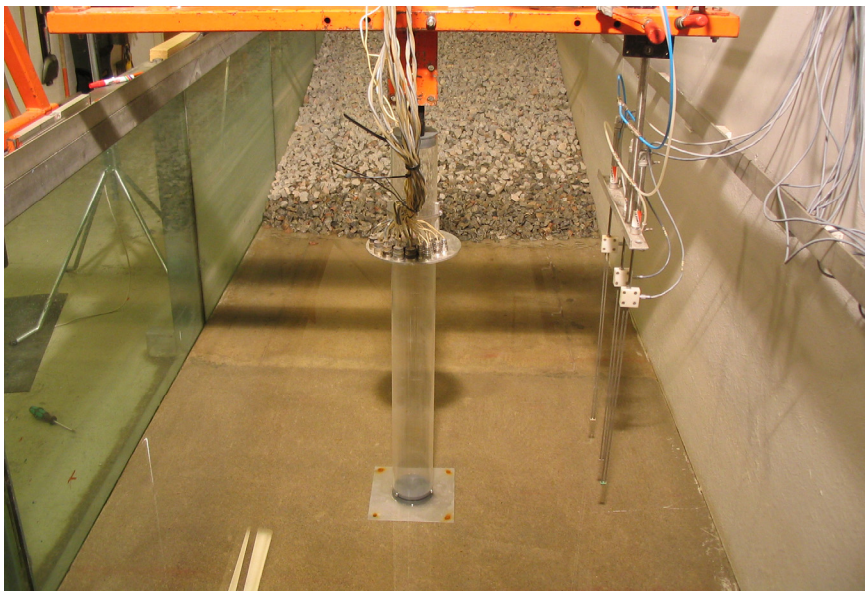

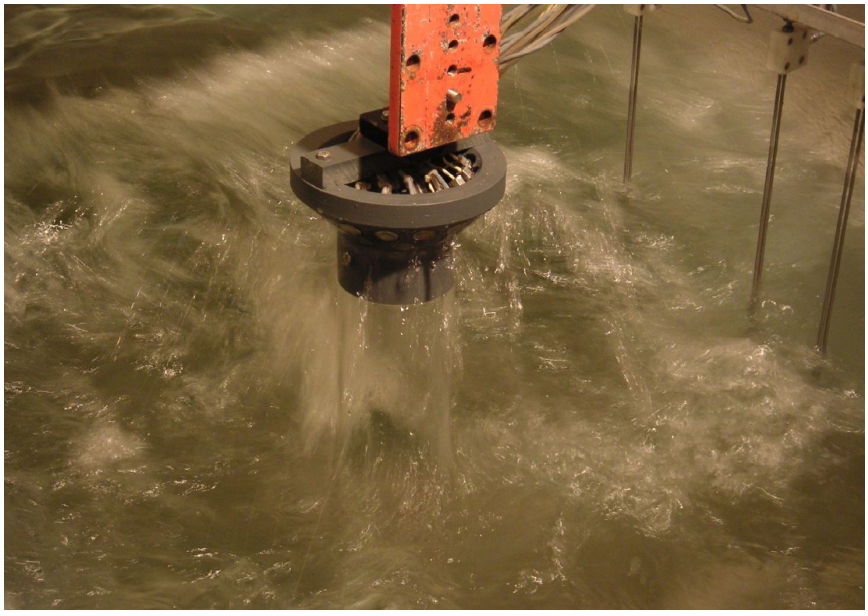

DCE Contract Report No. 13

CLIENT:
DONG energy

AALBORG UNIVERSITY
Department of Civil Engineering

Aalborg University
Department of Civil Engineering
Water & Soil

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by

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January 2007

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Preface

This report is an extension of the study presented in Lykke Andersen and Brorsen, 2006 and includes results from the irregular wave tests, where Lykke Andersen & Brorsen, 2006 focused on regular waves. The 2D physical model tests were carried out in the shallow wave flume at Dept. of Civil Engineering, Aalborg University (AAU) on behalf of DONG Energy A/S, Denmark.

The tests have been conducted at Aalborg University from 9. November, 2006 to 17. November, 2006. Unless otherwise mentioned, all values given in this report are in model scale. For further information please contact Thomas Lykke Andersen (tla@civil.aau.dk).

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1 Introduction

The assessment of impact forces generated by waves on access platforms for offshore wind turbine structures is discussed in the technical note by Gravesen, 2006. This technical note was established for design of the access platforms for the Horns Rev II offshore wind farm. The idea is to determine the impact pressures in a three step procedure:

1) Calculate the expected maximum wave run-up height with no platform.
2) Use this run-up height to calculate the velocity at the level of the platform.
3) Use a slamming force model to get the maximum pressures.

Lykke Andersen and Frigaard, 2006 focus on step one and two. Lykke Andersen & Brorsen, 2006 deals with step three but mainly for regular waves as only few irregular wave tests were included. The present report deals with model tests performed at Aalborg University to investigate step three for irregular waves.

The same test setup and data analysis method as used by Lykke Andersen and Brorsen, 2006 were applied and are therefore not described further.

2 Test Programme

All tests are replay of the stored steering signals from the wave calibration tests performed without the structure in place, cf. Lykke Andersen and Frigaard, 2006. In Lykke Andersen and Brorsen, 2006 the results of 87 regular and 6 irregular tests were presented. In this report the results of 58 irregular tests are presented. These tests are reproduction of tests carried out by Lykke Andersen & Frigaard, 2006 on selected platform levels. Three platform levels have been considered, corresponding to distances from MWL of z = 0.675h, z = 0.55h and z=0.425h, but most of the irregular wave tests have been carried out on the highest platform level only. For the cone the platform level is taken to be the midpoint of the cone, and thus the cone start 2 cm below this point, cf. Lykke Andersen & Brorsen, 2006.

3 Results

The velocity at the level of the platform is calculated from the run-up measurements from:

$$v(z) = \sqrt{2g \cdot (R_u - z)} \tag{1}$$

Using this velocity and the measured pressures it is possible to derive a slamming coefficient.

In the present case two pressures are considered:

- The maximum pressure registered within the test. This was found by taking the maximum pressure within all of the time series from all of the individual pressure cells. This gives for each test a maximum pressure on the platform and can be used to design the plate elements of the platform which typically covers an area of 1 m^2 in prototype.
- The spatial averaged pressure found by averaging the time series from the individual pressure transducers. Within this spatial averaged time series the maximum spatial averaged pressure is found and the pressure distribution at the time it occurs is given. This can be used to give an estimate on the maximum total force on the platform. This spatial averaged pressure is significantly smaller than the one found from taking the maximum pressure of all of the cells, as the maxima do not occur at the same time. For deriving the spatial averaged pressure only the Phillips pressure cells have been considered as they were the most reliable.

The results using these two methods are given in the following two sections for the horizontal platform and the conical platform, respectively.

It has been observed that in case of small impacts, the largest pressures occur in the inner ring of the pressure transducers and close to 0 degrees, for both the horizontal and cone shaped platform. In case of large impacts pressures the location of the largest pressures changes in many cases to the outer ring of pressure cells. This location change was also found for regular waves by Lykke Andersen & Brorsen, 2006. The change in location is not easy to explain, but could be caused by smaller velocities just around the joint between the pile and the

platform. Therefore, the increased pressure created by the change in flow direction could be larger in the outer ring of cells. As a consequence of this, the z coordinate used to calculate the velocity (Eq. 1) is in the cone case taken as the midpoint of the cone. This is expected to give conservative slamming coefficients.

The slamming pressures generated on the platforms are pressures of very short duration, i.e. rise-times of few milliseconds in the model scale. In case of significant dynamical dampening the peak pressures used for design could be reduced. However, in the present case both the model and the prototype structure is very stiff and there is not expected to be very significant dynamic damping, even for these very high frequencies. However, it is recommended to check what stresses such impact types would generate in the elements of the platform.

3.1 Horizontal Platform

The detailed results of the irregular tests with the horizontal platform are given in appendix A and summarized here.

3.1.1 Maximum Pressures

The irregular tests give in average slamming coefficients on the maximum pressure, that are clearly higher than found by Lykke Andersen & Brorsen, 2006 for regular waves. The upper limit of the slamming coefficient is for the irregular waves clearly above Cs = 12, cf. Fig. 1.

Moreover, quite large pressures have been measured even for zero or close to zero predicted velocity. As zero pressure was well predicted for the non-breaking regular waves, it is likely that this is caused by breaking irregular waves, where the run-up heights could be larger than those measured by Lykke Andersen & Frigaard, 2006. The underprediction of run-up heights is caused by the run-up measurement system and could be due to:

- Air entrainment for breaking waves causing too small run-up heights to be measured by the run-up gauges.
- The upper part of the run-up tongue is not measured by the run-up gauges as the layer thickness of the uprushing water is very small.
- The flow detaches from the pile and is therefore not measured by the run-up gauges. Drops of water have been observed to reach significantly higher levels than measured by the run-up gauges.

Therefore, it is recommended to apply a safety factor on the run-up height when designing platforms, which is done in Fig. 2 where the run-up height is increased by 20%. This moves the data points to the right as the calculated velocity increases.

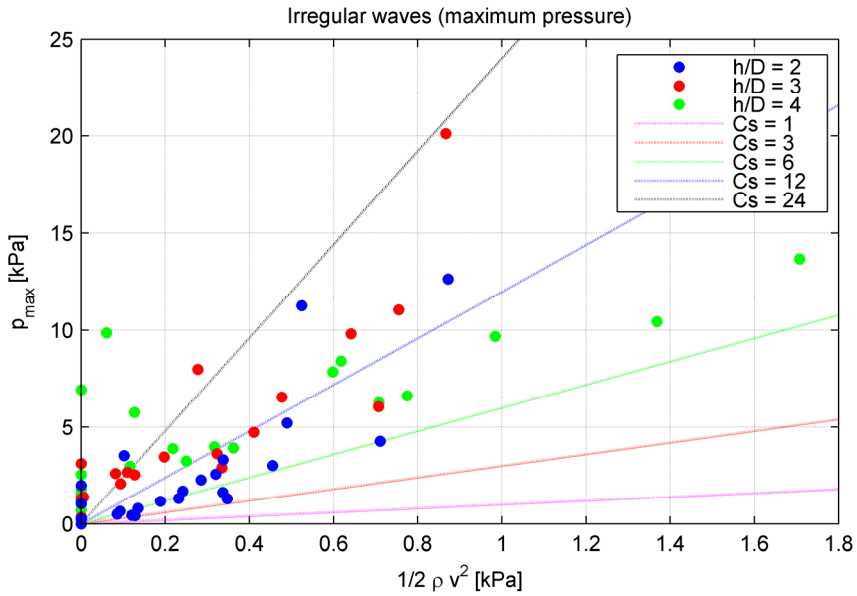

Figure 1: Measured pressures on the horizontal platform for irregular waves (pressures with 2%, 0.5% and 0.1% exceedance probability are given). The pressure is taken as the maximum value of the 15 individual pressure cells.

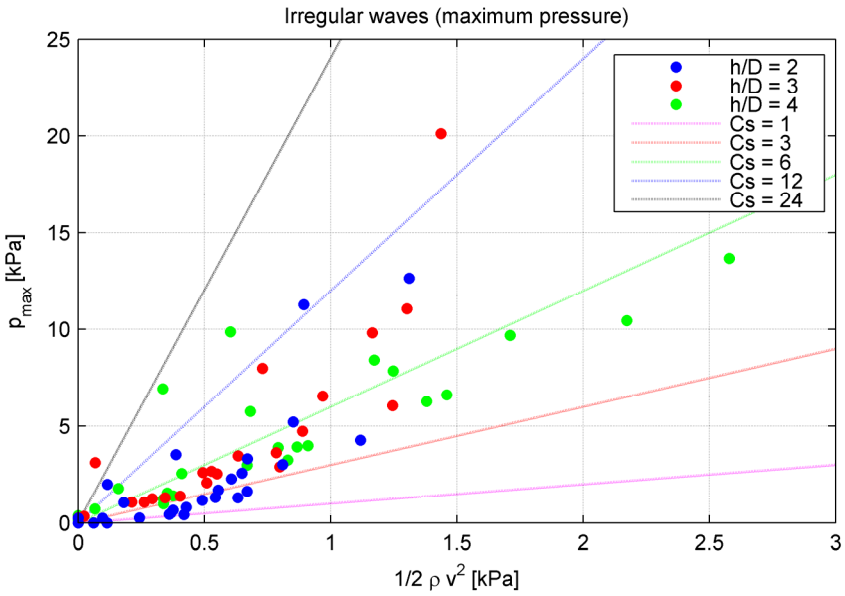

Figure 2: As Fig. 1 but with run-up height increased by 20%, which leads to larger predicted velocities.

3.1.2 Spatial Averaged Pressures

The spatial averaged pressures calculated from the eight Phillips pressure transducers are given in Fig. 3 and 4. From the figures it can be seen that the slamming coefficient on the spatial averaged pressure go up to approximately Cs = 3 and are thus significantly smaller than found by taking the maximum of all the cells.

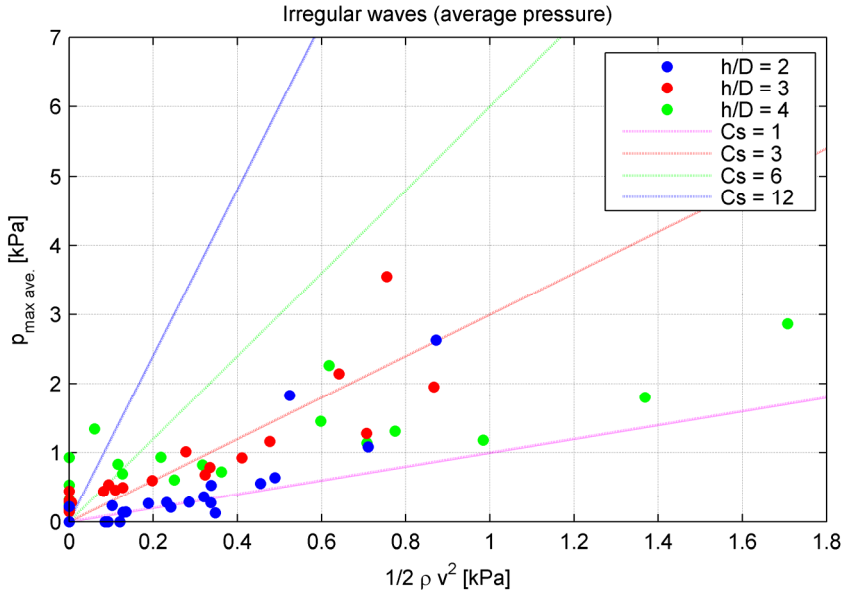

Figure 3: Measured pressures on the horizontal platform for irregular waves (pressures with 2%, 0.5% and 0.1% exceedance probability are given). The pressure is taken as the average value of the 8 Phillips pressure cells.

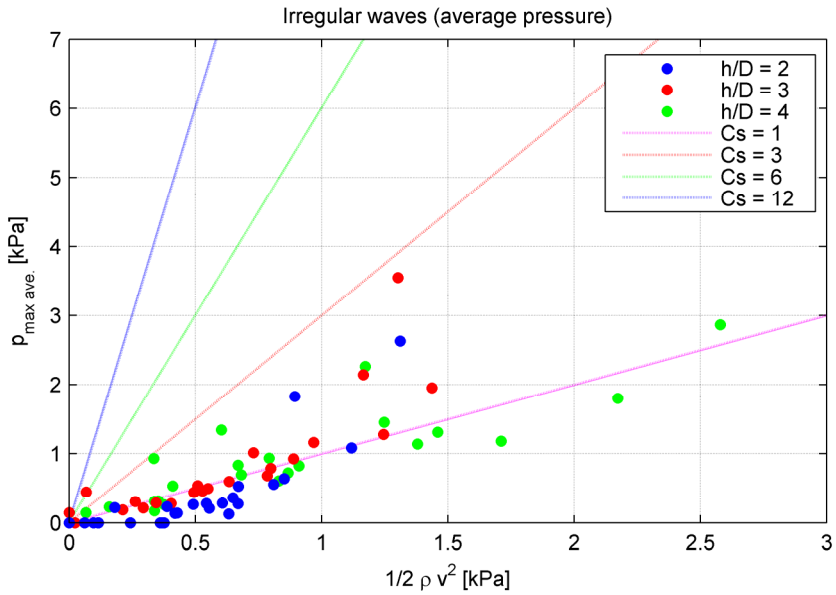

Figure 4: As Fig. 3 but with run-up height increased by 20%, which leads to larger predicted velocities.

3.2 Cone Platform

The detailed results from the model tests with the cone platform are given in appendix B. Below the results on the maximum and spatial averaged pressures are summarized.

3.2.1 Maximum Pressures

The irregular tests show that the slamming coefficient for extreme events can go up to approximately Cs = 12, cf. Fig. 5. This is a large increase compared to the regular waves that gave slamming coefficients up to approximately Cs = 6, cf. Lykke Andersen & Brorsen, 2006. However, including the factor of 1.2 on the run-up height gives slamming coefficients below 6 in most cases, cf. Fig. 6. For the irregular waves the maximum observed pressures are not very significantly reduced on the cone platform compared to the horizontal one. However, in average the slamming coefficient is smaller.

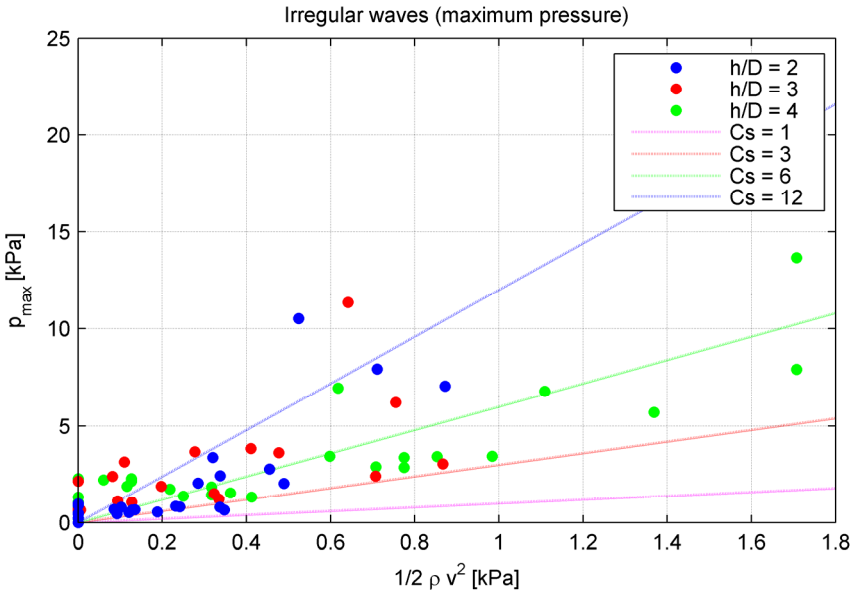

Figure 5: Measured pressures on the cone platform for irregular waves (pressures with 2%, 0.5% and 0.1% exceedance probability are given). The pressure is taken as the maximum value of the 12 individual pressure cells.

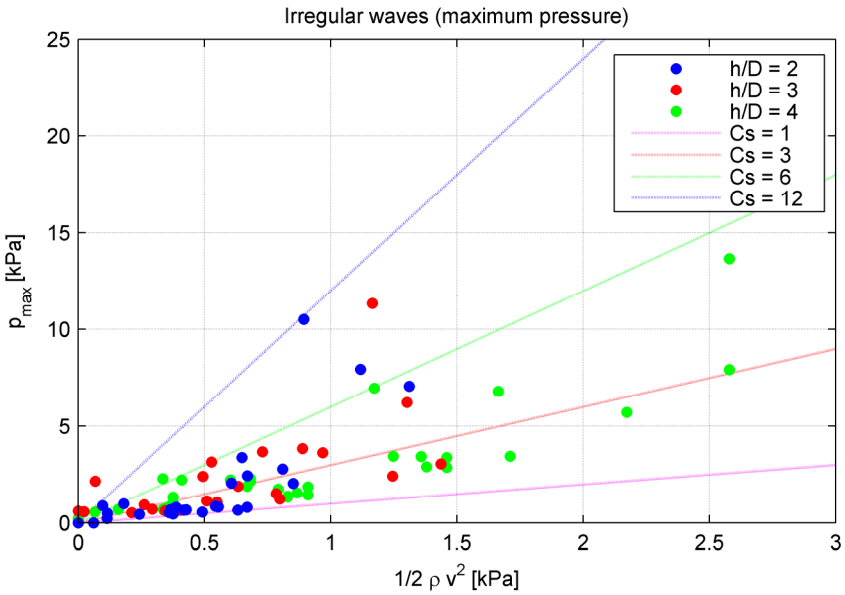

Figure 6: As Fig. 5 but with run-up height increased by 20%, which leads to larger predicted velocities.

3.2.2 Spatial Averaged Pressures

The results on the spatial averaged pressures are given in Fig. 7 and 8. It can be observed that the spatial averaged pressure is slightly smaller on the cone platform compared to the horizontal platform.

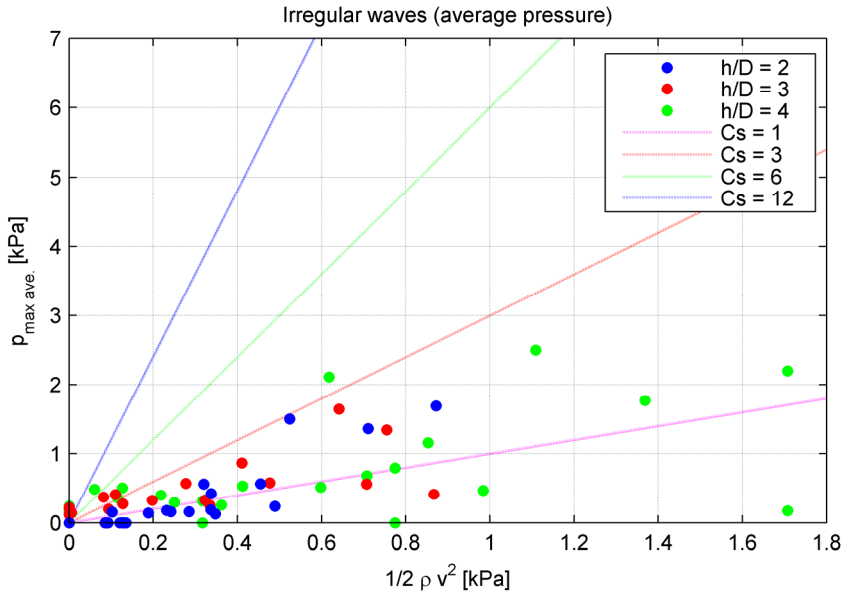

Figure 7: Measured pressures on the cone platform for irregular waves (pressures with 2%, 0.5% and 0.1% exceedance probability are given). The pressure is taken as the average value of the 7 Phillips pressure cells.

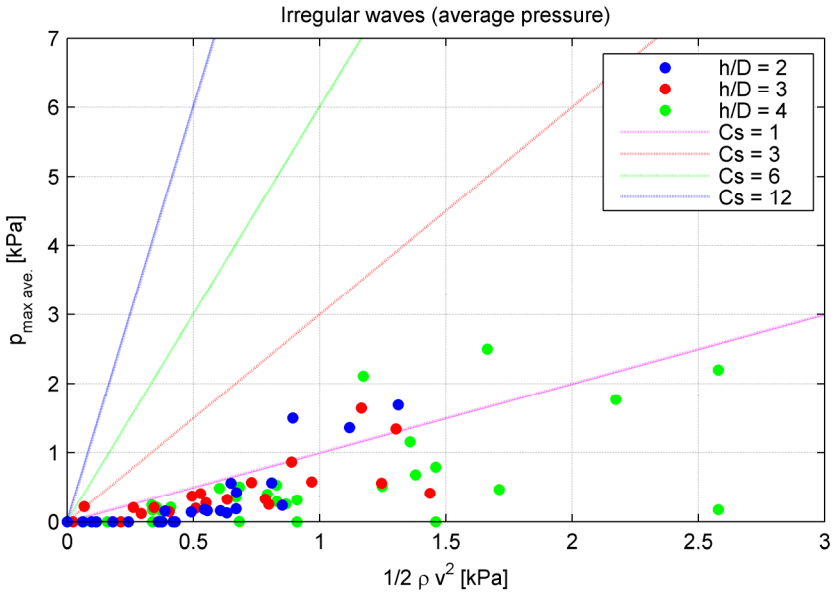

Figure 8: As Fig. 7 but with run-up height increased by 20%, which leads to larger predicted velocities.

4 Model & Scale Effects

- Less reliable run-up and wave measurements for breaking and broken waves. This influence the slamming coefficients as the run-up height is used for estimating the velocity at the platform level.
- The surface tension is too high in the model leading to too large bubbles and drops in the model, and too little air content in breaking waves. This could influence the measured pressures.
- Pressures generated by a mixture of water and air will be too high in the model due to compressibility [Lundgren, 1969].
- In reality the impact pressures are dependent on structure flexibility. The model is expected to be too stiff compared to prototype and is expected to give pressures on the safe side.

5 Evaluation of Design Method for Maximum Pressures

In the present chapter a design procedure for the maximum pressure is established and evaluated. Based on the results from Lykke Andersen & Frigaard, 2006 the following run-up factors are selected, with wave kinematics calculated from the stream function theory:

- s_{0p} = 0.020: m = 4
- s_{0p} = 0.035: m = 3
- k = 1.2

where m is a factor on the velocity head as given below:

$$R_u = k \cdot \left(\eta_{max} + m \cdot \frac{u^2}{2g} \right) \qquad (2)$$

η and u is calculated from the stream function theory. The factor k = 1.2 is introduced as the run-up was found to be underestimated by approximately 20% from the measurement system used by Lykke Andersen & Frigaard, 2006.

Based on the results presented in the present report is selected:

- Horizontal platform: Cs = 10
- Cone platform: Cs = 6

Evaluation of the design procedure is given in Fig. 9 for irregular waves. From the figure it can be seen that the proposed design procedure is conservative in most cases. However, it is very conservative in some cases.

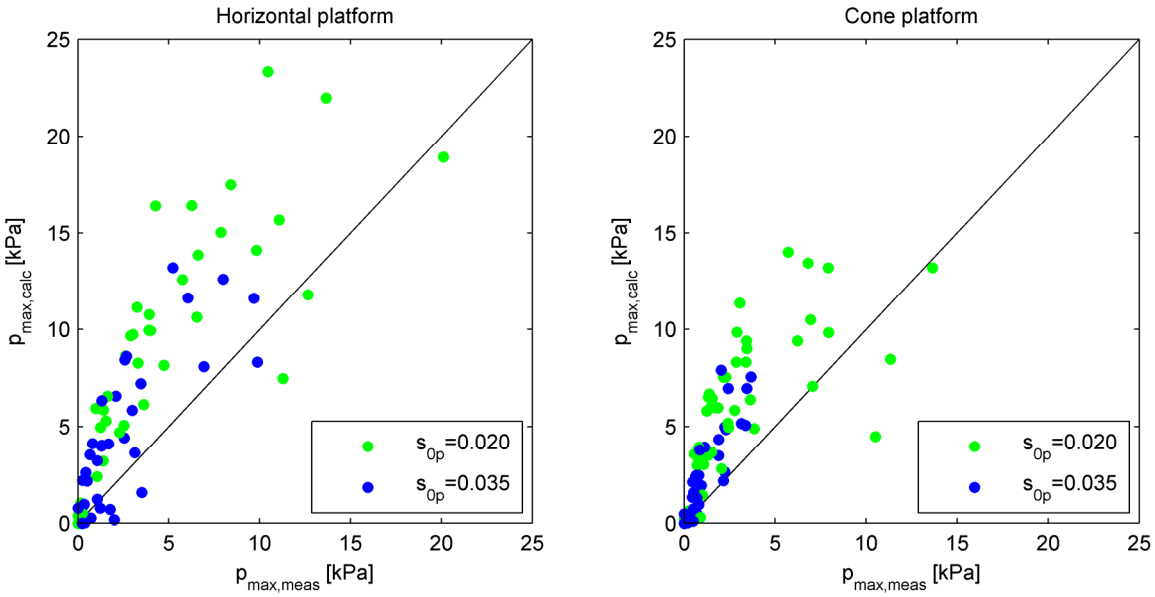

Figure 9: Evaluation of design procedure for irregular waves for maximum pressures (pressures with exceedance probability of 2%, 0.5% and 0.1% are given).

6 Evaluation of Design Method for Spatial Averaged Pressures

In the present chapter a design procedure for the spatial averaged pressure is established and evaluated. Based on the results from Lykke Andersen & Frigaard, 2006 the following run-up factors are selected, with wave kinematics calculated from the stream function theory:

- s_{0p} = 0.020: m = 4
- s_{0p} = 0.035: m = 3
- k = 1.2

Based on the results presented in the present report is selected:

- Horizontal platform: Cs = 1.5
- Cone platform: Cs = 1.2

Evaluation of the design procedure is given in Fig. 10 for irregular waves (2%, 0.5% and 0.1% values given). From the figure it can be seen that the proposed design procedure is conservative in most cases.

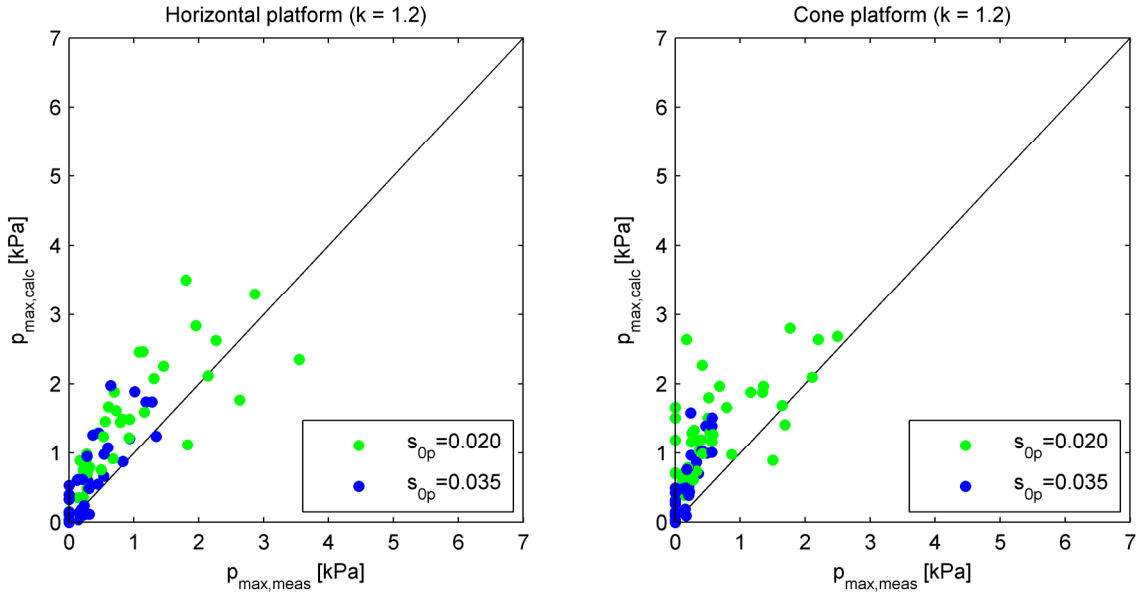

Figure 10: Evaluation of design procedure for irregular waves for spatial averaged pressures (pressures with exceedance probability of 2%, 0.5% and 0.1% are given).

7 Conclusions

Impact pressures on a horizontal platform and conical platform have been measured in a small scale model for irregular waves. By comparing results with run-up tests performed earlier, slamming coefficients have been calculated. The calculated slamming coefficients are expected to be on the safe side as the Froude scaling law has been used [Lundgren, 1969].

The obtained slamming coefficients are significantly larger than found for regular and mainly non-breaking waves by Lykke Andersen & Brorsen, 2006. This could partly be explained by under estimation of the run-up height for breaking waves. The maximum pressures are not reduced very significantly by using a cone platform compared to a horizontal platform.

A design procedure has been suggested for calculating maximum and spatial averaged pressures on horizontal platforms and cone platforms. The design procedure has been evaluated against the present data. The design procedure is conservative in most cases.

It is recommended to investigate the forces on a design where the horizontal plates are substituted by grates with a large opening percentage. This is expected to give significantly smaller forces than for the closed plate. The force on the grates is expected to be reduced more than the opening percentage justify, corresponding to a smaller slamming coefficient.

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Appendix A: Horizontal Platform & Irregular Waves

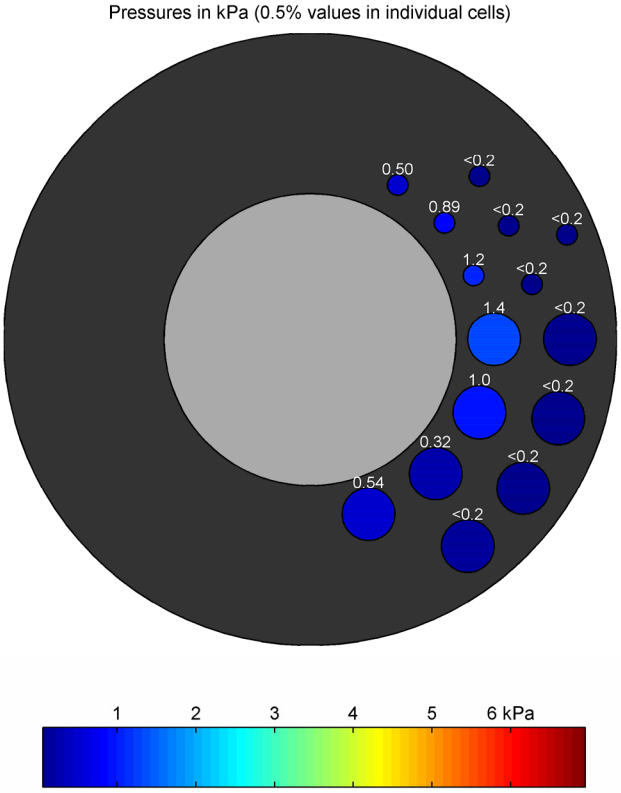
A.1 Test 1 (h/D = 4, $H_{m0}/h = 0.35$, $s_{0p} = 0.020$)

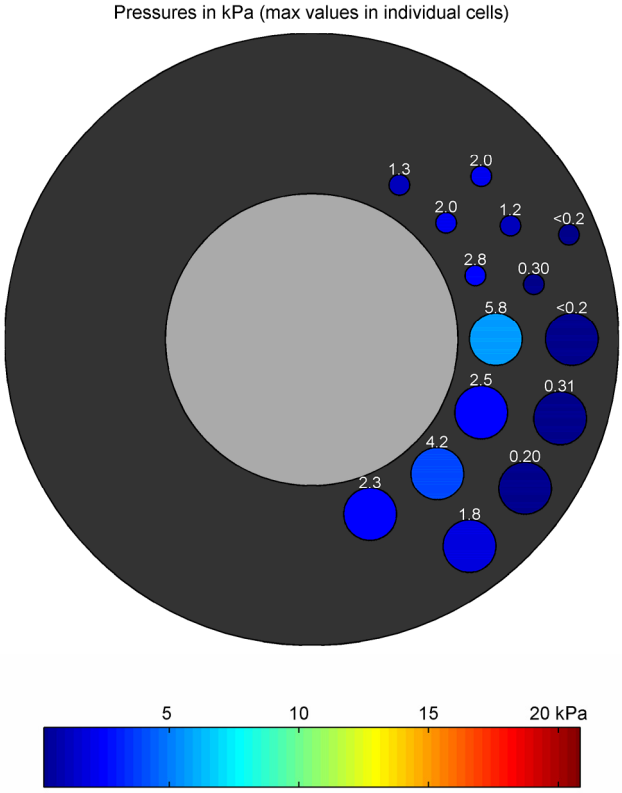
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test098.dat	RunUp_Test_017.dat	Pressure_HorizPlatform_001.dat	0.27	0.4	0.139	2.12	0.134	0.173	0.205

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

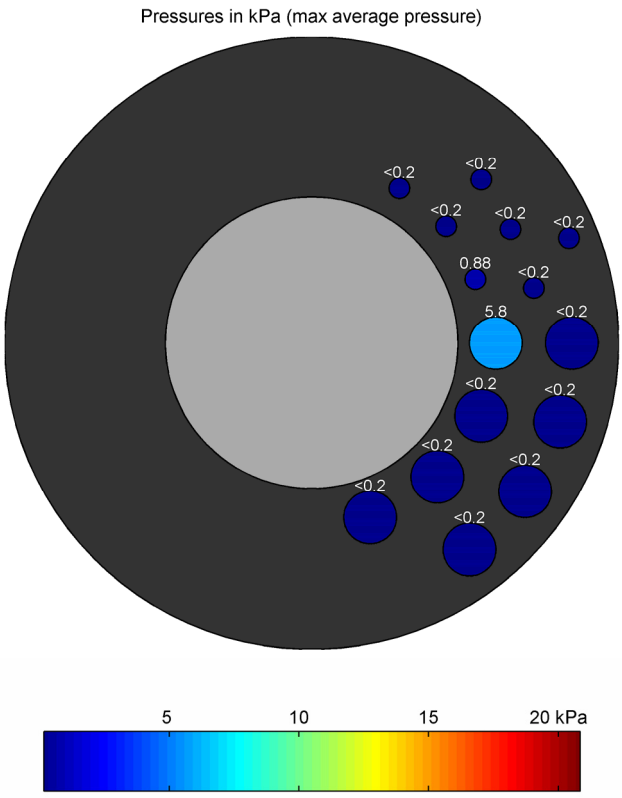
	2%	0.5%	0.1% (max)
Ru [m]	0.212	0.257	0.283
P1 [kPa]	0.00	1.40	5.76
P2 [kPa]	0.00	1.03	2.46
P3 [kPa]	0.00	0.32	4.23
P4 [kPa]	0.00	0.54	2.34
P5 [kPa]	0.00	0.00	0.17
P6 [kPa]	0.00	0.00	0.31
P7 [kPa]	0.00	0.00	0.20
P8 [kPa]	0.00	0.17	1.78
P10 [kPa]	0.00	1.18	2.78
P11 [kPa]	0.16	0.89	2.03
P12 [kPa]	0.00	0.50	1.31
P13 [kPa]	0.00	0.00	0.30
P14 [kPa]	0.00	0.00	1.17
P15 [kPa]	0.00	0.00	2.00
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.16	1.40	5.76
Cs (max pressure)			45.5





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.283
P1 [kPa]	5.76
P2 [kPa]	0.00
P3 [kPa]	0.00
P4 [kPa]	0.02
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	0.88
P11 [kPa]	0.17
P12 [kPa]	0.00
P13 [kPa]	0.03
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.03
Mean. Pressure over P1 to P8 [kPa]	0.70
Cs (average pressure)	5.5



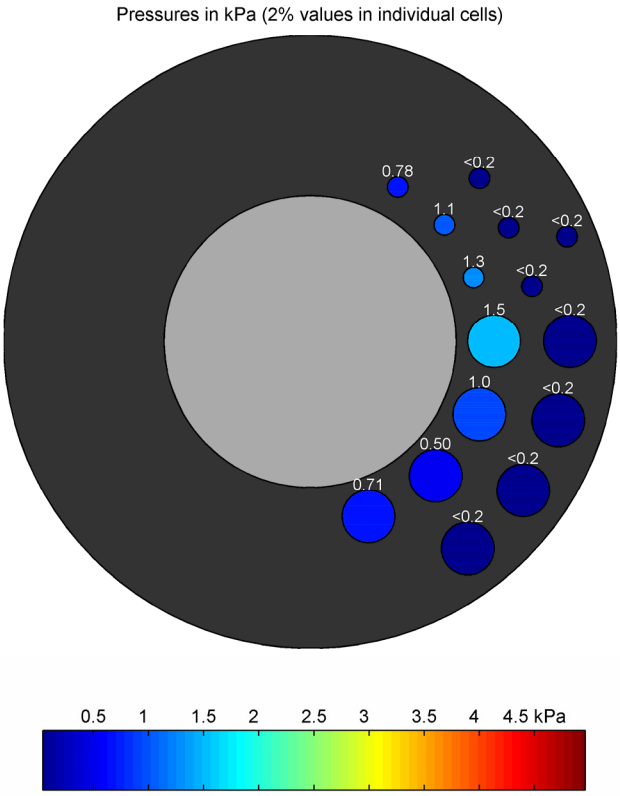
A.2 Test 2 (h/D = 4, $H_{m0}/h = 0.40$, $s_{0p} = 0.020$)

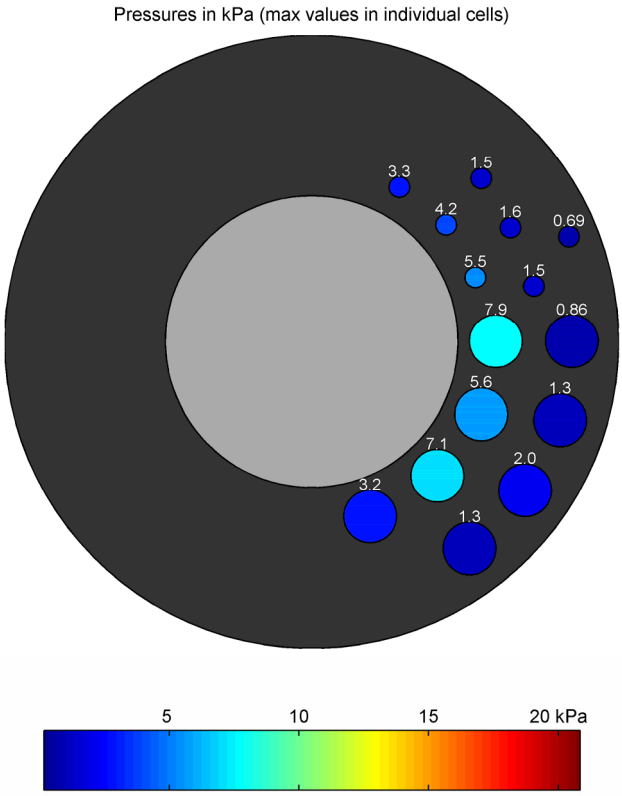
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test099.dat	RunUp_Test_018.dat	Pressure_HorizPlatform_002.dat	0.27	0.4	0.159	2.26	0.150	0.185	0.210

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

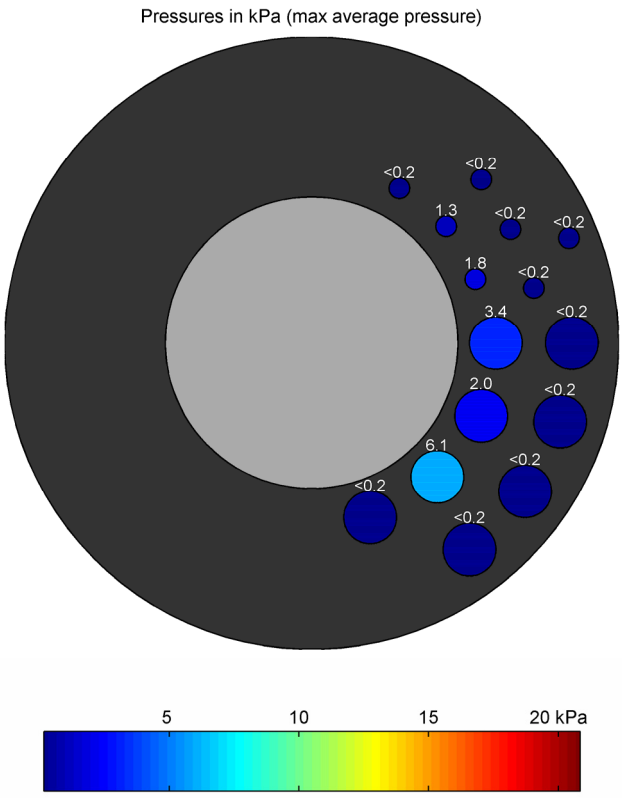
	2%	0.5%	0.1% (max)
Ru [m]	0.255	0.292	0.331
P1 [kPa]	1.54	3.64	7.87
P2 [kPa]	1.01	3.90	5.59
P3 [kPa]	0.50	3.07	7.08
P4 [kPa]	0.71	1.84	3.16
P5 [kPa]	0.00	0.44	0.86
P6 [kPa]	0.00	0.29	1.29
P7 [kPa]	0.00	0.32	1.97
P8 [kPa]	0.00	0.60	1.26
P10 [kPa]	1.25	2.71	5.49
P11 [kPa]	1.09	2.65	4.23
P12 [kPa]	0.78	2.04	3.27
P13 [kPa]	0.00	0.93	1.45
P14 [kPa]	0.00	0.45	1.60
P15 [kPa]	0.00	0.50	1.52
P17 [kPa]	0.00	0.00	0.69
Max. Pressure [kPa]	1.54	3.90	7.87
Cs (max pressure)		17.9	13.2





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.331
P1 [kPa]	3.36
P2 [kPa]	1.99
P3 [kPa]	6.11
P4 [kPa]	0.07
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.05
P8 [kPa]	0.09
P10 [kPa]	1.76
P11 [kPa]	1.28
P12 [kPa]	0.00
P13 [kPa]	0.01
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.46
Cs (average pressure)	2.4



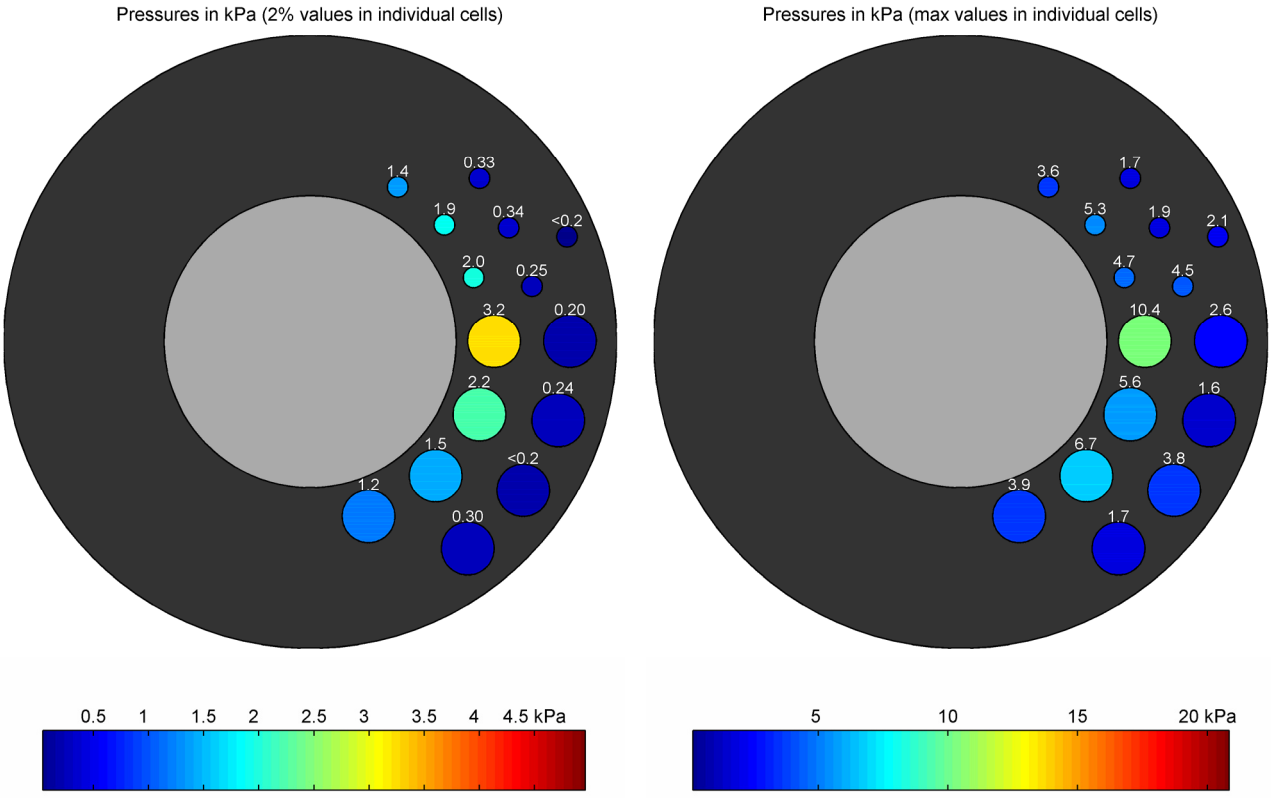
A.3 Test 3 (h/D = 4, $H_{m0}/h = 0.43$, $s_{0p} = 0.020$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test100.dat	RunUp_Test_019.dat	Pressure_HorizPlatform_003.dat	0.27	0.4	0.172	2.35	0.163	0.200	0.227

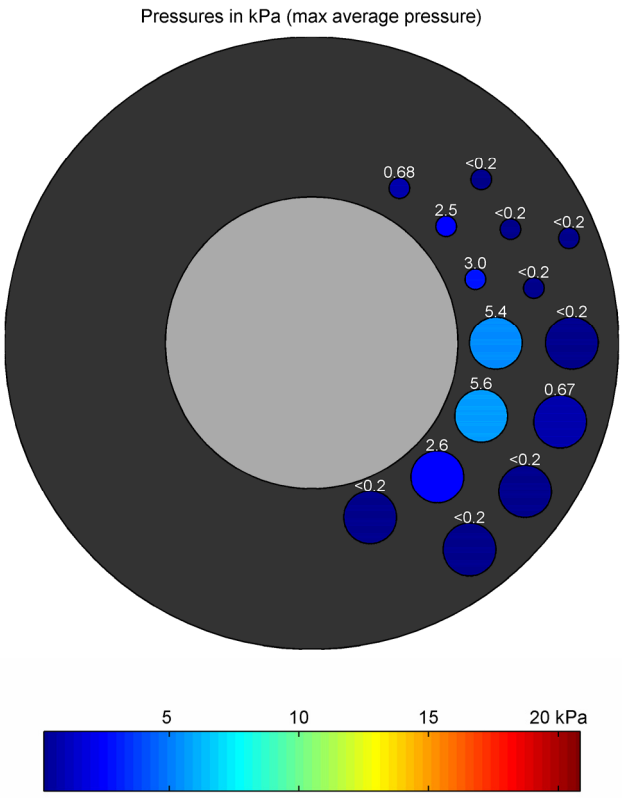
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.296	0.342	0.409
P1 [kPa]	3.24	6.27	10.45
P2 [kPa]	2.23	3.95	5.62
P3 [kPa]	1.46	2.89	6.72
P4 [kPa]	1.23	3.00	3.87
P5 [kPa]	0.20	0.90	2.62
P6 [kPa]	0.24	0.63	1.59
P7 [kPa]	0.18	0.98	3.77
P8 [kPa]	0.30	0.78	1.70
P10 [kPa]	2.00	3.93	4.75
P11 [kPa]	1.88	3.26	5.34
P12 [kPa]	1.38	2.37	3.62
P13 [kPa]	0.25	1.06	4.45
P14 [kPa]	0.34	1.15	1.93
P15 [kPa]	0.33	0.86	1.74
P17 [kPa]	0.00	0.23	2.12
Max. Pressure [kPa]	3.24	6.27	10.45
Cs (max pressure)	13.0	8.9	7.6



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.409
P1 [kPa]	5.36
P2 [kPa]	5.62
P3 [kPa]	2.62
P4 [kPa]	0.07
P5 [kPa]	0.06
P6 [kPa]	0.67
P7 [kPa]	0.01
P8 [kPa]	0.03
P10 [kPa]	3.00
P11 [kPa]	2.47
P12 [kPa]	0.68
P13 [kPa]	0.00
P14 [kPa]	0.05
P15 [kPa]	0.07
P17 [kPa]	0.03
Mean. Pressure over P1 to P8 [kPa]	1.80
Cs (average pressure)	1.3



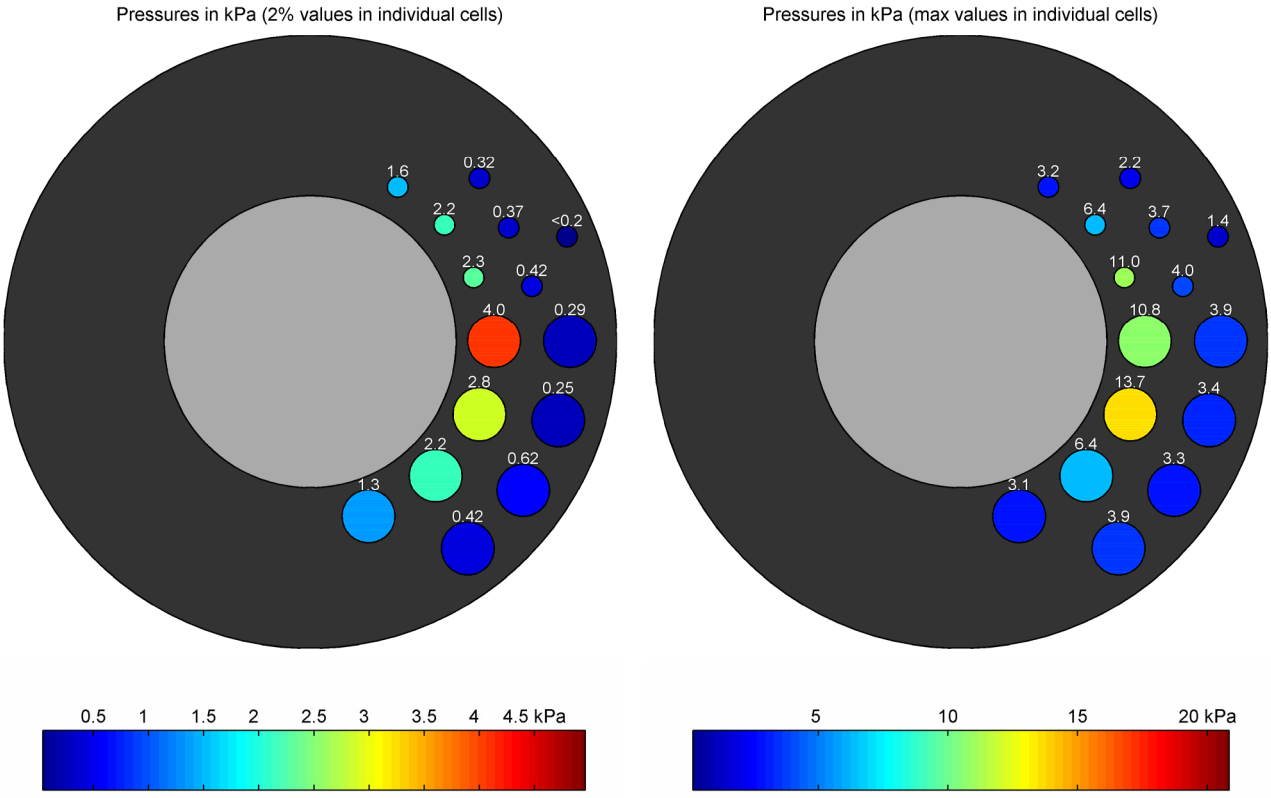
A.4 Test 4 (h/D = 4, H_{m0}/h = 0.44, s_{0p} = 0.020)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test101.dat	RunUp_Test_020.dat	Pressure_HorizPlatform_004.dat	0.27	0.4	0.176	2.43	0.162	0.196	0.224

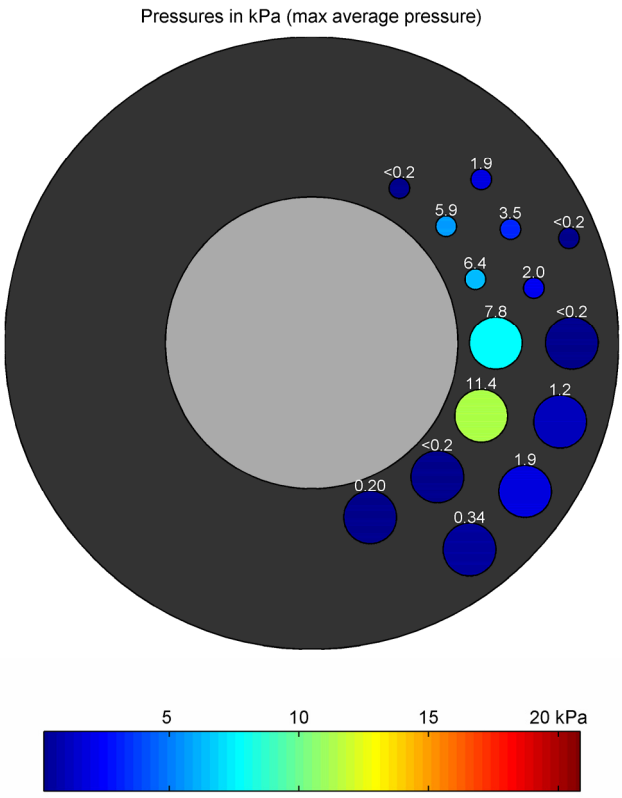
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.302	0.349	0.444
P1 [kPa]	3.99	6.61	10.81
P2 [kPa]	2.84	5.32	13.67
P3 [kPa]	2.18	4.38	6.35
P4 [kPa]	1.33	2.57	3.11
P5 [kPa]	0.29	1.16	3.88
P6 [kPa]	0.25	0.80	3.41
P7 [kPa]	0.62	2.00	3.27
P8 [kPa]	0.42	1.46	3.87
P10 [kPa]	2.34	4.01	11.03
P11 [kPa]	2.18	3.33	6.38
P12 [kPa]	1.56	2.92	3.20
P13 [kPa]	0.42	1.53	3.96
P14 [kPa]	0.37	1.25	3.68
P15 [kPa]	0.32	1.47	2.19
P17 [kPa]	0.00	0.65	1.43
Max. Pressure [kPa]	3.99	6.61	13.67
Cs (max pressure)	12.6	8.5	8.0



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.444
P1 [kPa]	7.76
P2 [kPa]	11.37
P3 [kPa]	0.18
P4 [kPa]	0.20
P5 [kPa]	0.01
P6 [kPa]	1.16
P7 [kPa]	1.89
P8 [kPa]	0.34
P10 [kPa]	6.41
P11 [kPa]	5.85
P12 [kPa]	0.00
P13 [kPa]	2.05
P14 [kPa]	3.49
P15 [kPa]	1.94
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	2.86
Cs (average pressure)	1.7



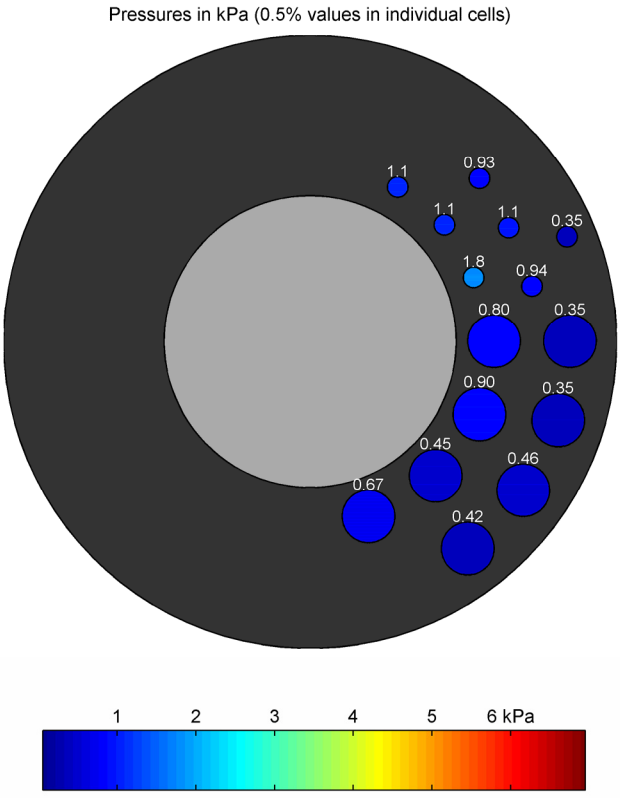
A.5 Test 5 (h/D = 4, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

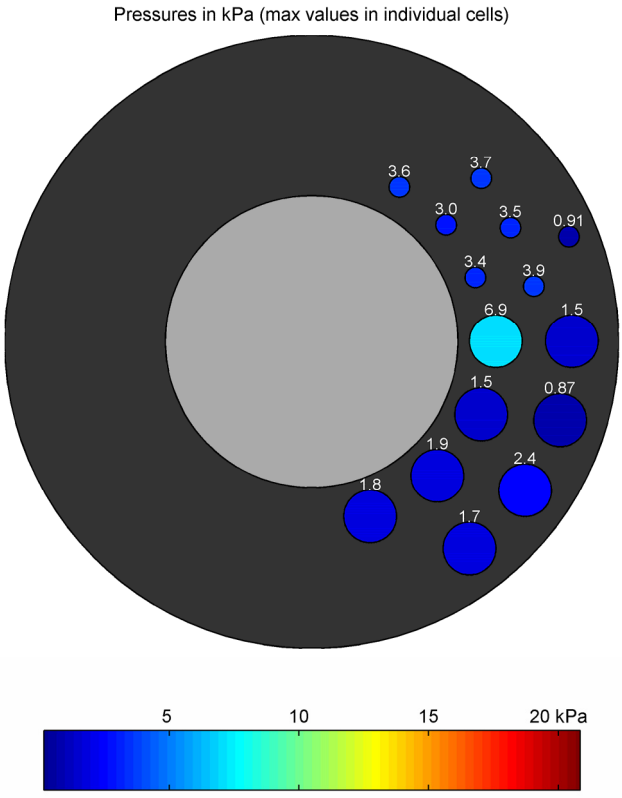
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test105.dat	RunUp_Test_021.dat	Pressure_HorizPlatform_005.dat	0.27	0.4	0.139	1.60	0.134	0.171	0.210

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

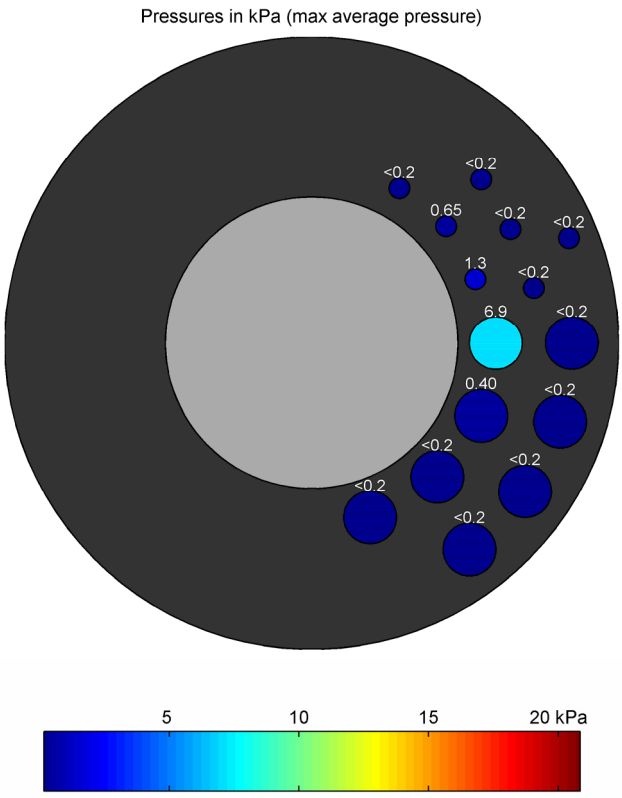
	2%	0.5%	0.1% (max)
Ru [m]	0.210	0.239	0.254
P1 [kPa]	0.00	0.80	6.92
P2 [kPa]	0.00	0.90	1.47
P3 [kPa]	0.00	0.45	1.87
P4 [kPa]	0.00	0.67	1.76
P5 [kPa]	0.00	0.35	1.46
P6 [kPa]	0.00	0.35	0.87
P7 [kPa]	0.00	0.46	2.40
P8 [kPa]	0.18	0.42	1.68
P10 [kPa]	0.00	1.77	3.44
P11 [kPa]	0.37	1.12	3.02
P12 [kPa]	0.24	1.13	3.64
P13 [kPa]	0.00	0.94	3.90
P14 [kPa]	0.00	1.08	3.54
P15 [kPa]	0.00	0.93	3.68
P17 [kPa]	0.00	0.35	0.91
Max. Pressure [kPa]	0.37	1.77	6.92
Cs (max pressure)			





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.254
P1 [kPa]	6.92
P2 [kPa]	0.40
P3 [kPa]	0.00
P4 [kPa]	0.06
P5 [kPa]	0.06
P6 [kPa]	0.00
P7 [kPa]	0.02
P8 [kPa]	0.08
P10 [kPa]	1.33
P11 [kPa]	0.65
P12 [kPa]	0.02
P13 [kPa]	0.00
P14 [kPa]	0.14
P15 [kPa]	0.18
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	0.93
Cs (average pressure)	



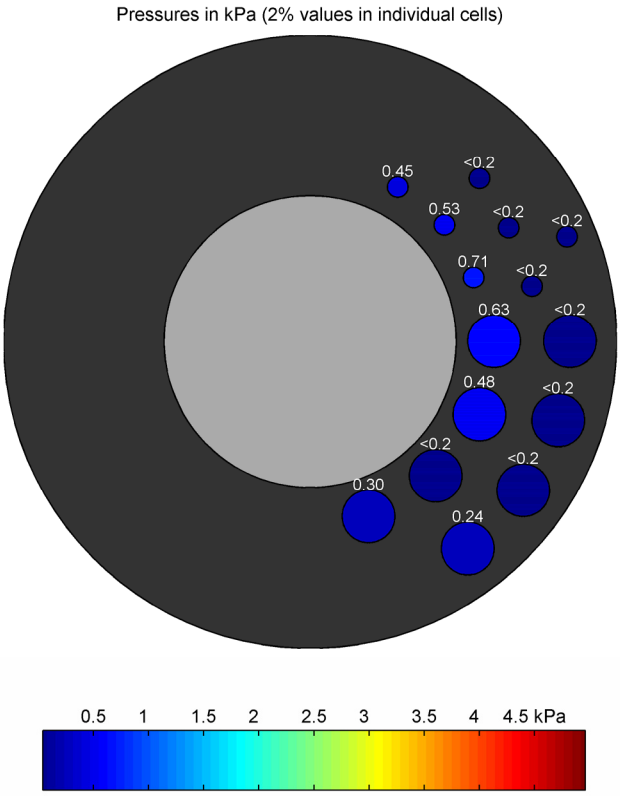
A.6 Test 6 (h/D = 4, H_{m0}/h = 0.40, s_{0p} = 0.035)

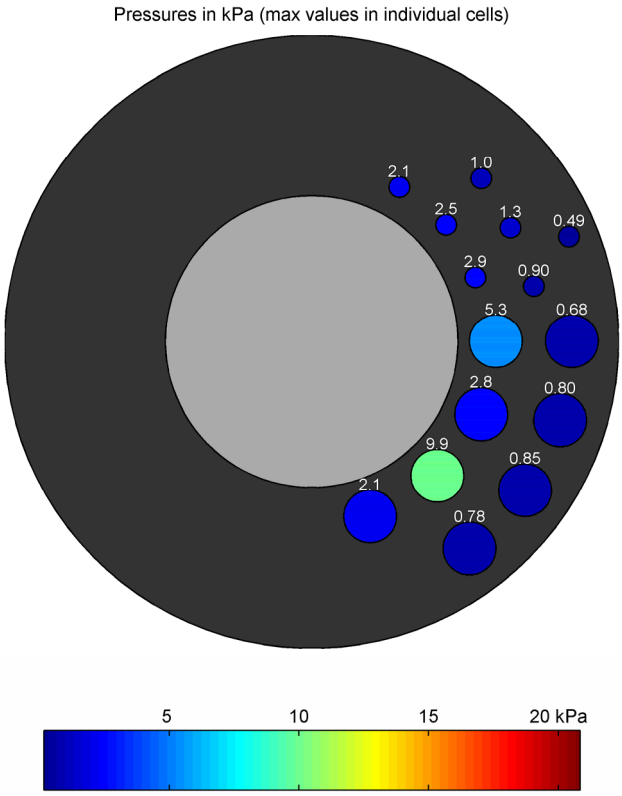
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test108.dat	RunUp_Test_022.dat	Pressure_HorizPlatform_006.dat	0.27	0.4	0.160	1.71	0.152	0.186	0.211

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

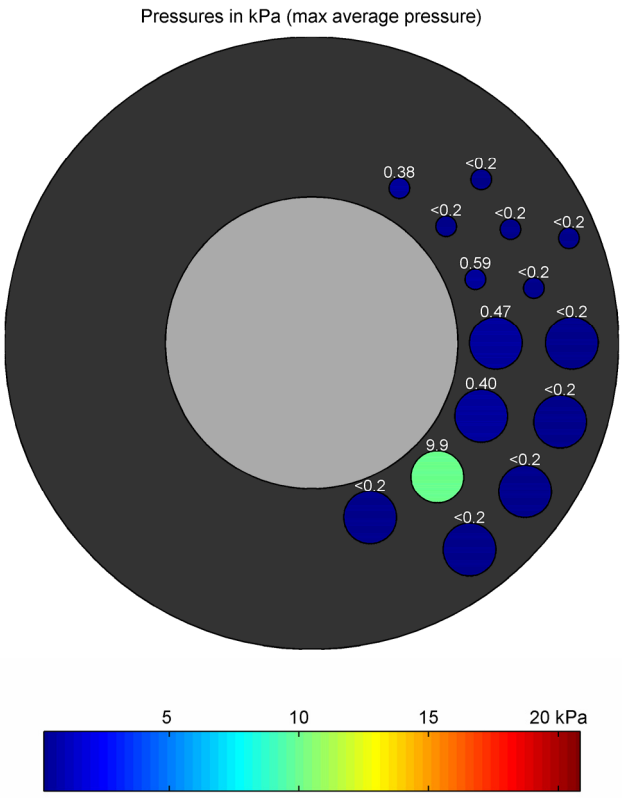
	2%	0.5%	0.1% (max)
Ru [m]	0.231	0.260	0.276
P1 [kPa]	0.63	2.55	5.25
P2 [kPa]	0.48	1.56	2.80
P3 [kPa]	0.00	2.50	9.88
P4 [kPa]	0.30	1.18	2.12
P5 [kPa]	0.00	0.49	0.68
P6 [kPa]	0.00	0.25	0.80
P7 [kPa]	0.00	0.85	0.85
P8 [kPa]	0.24	0.65	0.78
P10 [kPa]	0.71	1.77	2.86
P11 [kPa]	0.53	1.40	2.50
P12 [kPa]	0.45	1.46	2.09
P13 [kPa]	0.00	0.35	0.90
P14 [kPa]	0.00	0.36	1.31
P15 [kPa]	0.00	0.37	1.01
P17 [kPa]	0.00	0.00	0.49
Max. Pressure [kPa]	0.71	2.55	9.88
Cs (max pressure)			162





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.276
P1 [kPa]	0.47
P2 [kPa]	0.40
P3 [kPa]	9.88
P4 [kPa]	0.08
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.03
P10 [kPa]	0.59
P11 [kPa]	0.20
P12 [kPa]	0.38
P13 [kPa]	0.00
P14 [kPa]	0.04
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.34
Cs (average pressure)	22.1



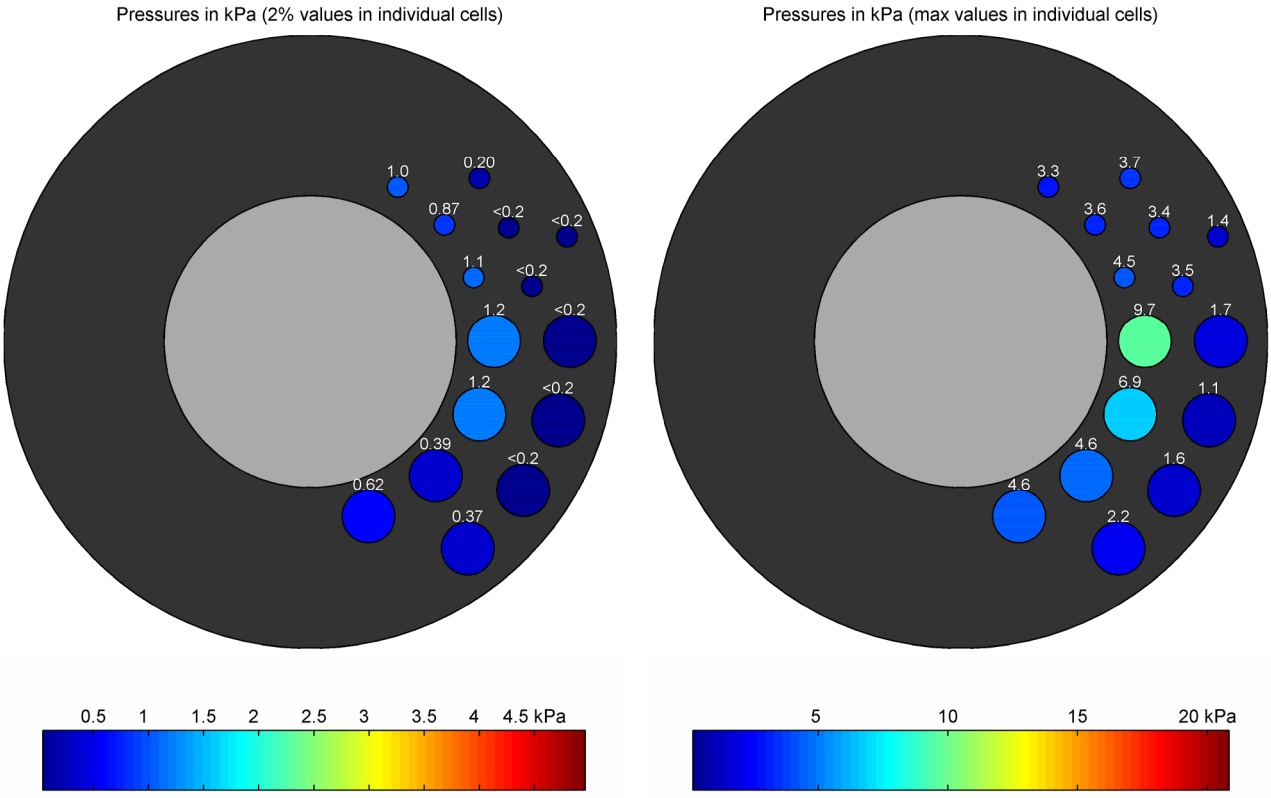
A.7 Test 7 ($h/D = 4$, $H_{m0}/h = 0.42$, $s_{0p} = 0.035$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test110.dat	RunUp_Test_023.dat	Pressure_HorizPlatform_007.dat	0.27	0.4	0.169	1.77	0.156	0.187	0.219

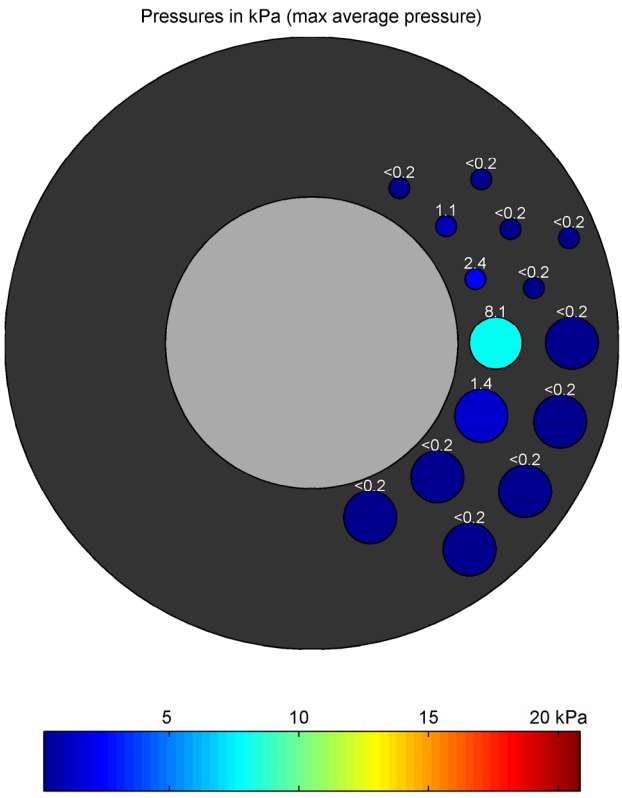
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.254	0.282	0.370
P1 [kPa]	1.23	2.59	9.68
P2 [kPa]	1.19	2.98	6.85
P3 [kPa]	0.39	2.52	4.63
P4 [kPa]	0.62	1.83	4.56
P5 [kPa]	0.00	0.49	1.70
P6 [kPa]	0.00	0.43	1.08
P7 [kPa]	0.00	0.72	1.60
P8 [kPa]	0.37	0.69	2.19
P10 [kPa]	1.14	2.39	4.48
P11 [kPa]	0.87	2.31	3.58
P12 [kPa]	1.02	1.71	3.26
P13 [kPa]	0.00	0.96	3.55
P14 [kPa]	0.00	1.11	3.37
P15 [kPa]	0.20	1.06	3.65
P17 [kPa]	0.00	0.44	1.40
Max. Pressure [kPa]	1.23	2.98	9.68
Cs (max pressure)		25.7	9.8



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.370
P1 [kPa]	8.11
P2 [kPa]	1.37
P3 [kPa]	0.00
P4 [kPa]	0.12
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	2.36
P11 [kPa]	1.11
P12 [kPa]	0.00
P13 [kPa]	0.01
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.18
Cs (average pressure)	1.2



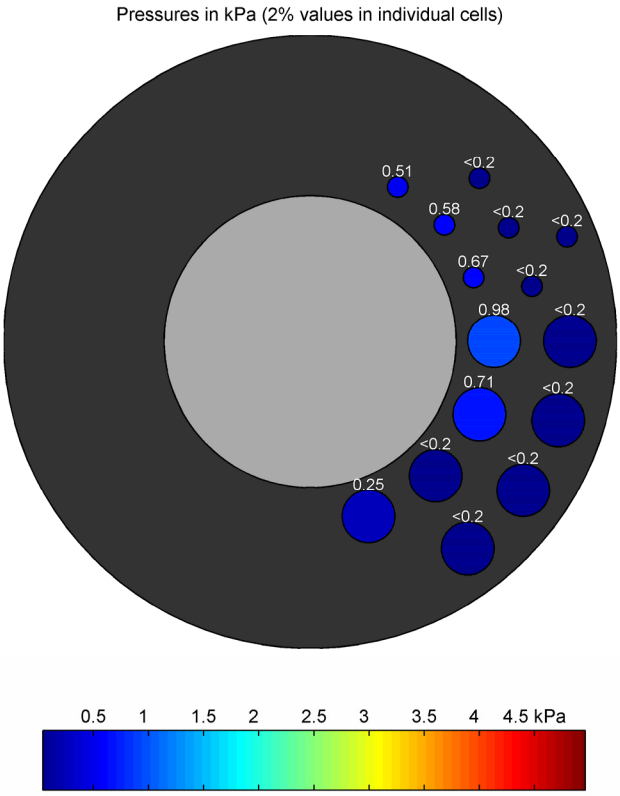
A.8 Test 22 (h/D = 4, $H_{m0}/h = 0.35$, $s_{0p} = 0.020$)

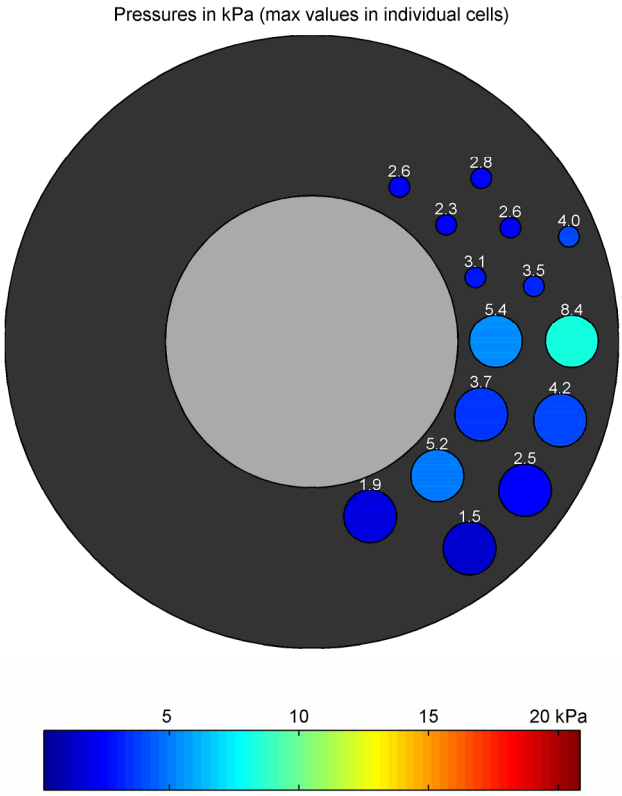
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test098.dat	RunUp_Test_017.dat	Pressure_HorizPlatform_022.dat	0.22	0.4	0.139	2.12	0.134	0.173	0.205

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

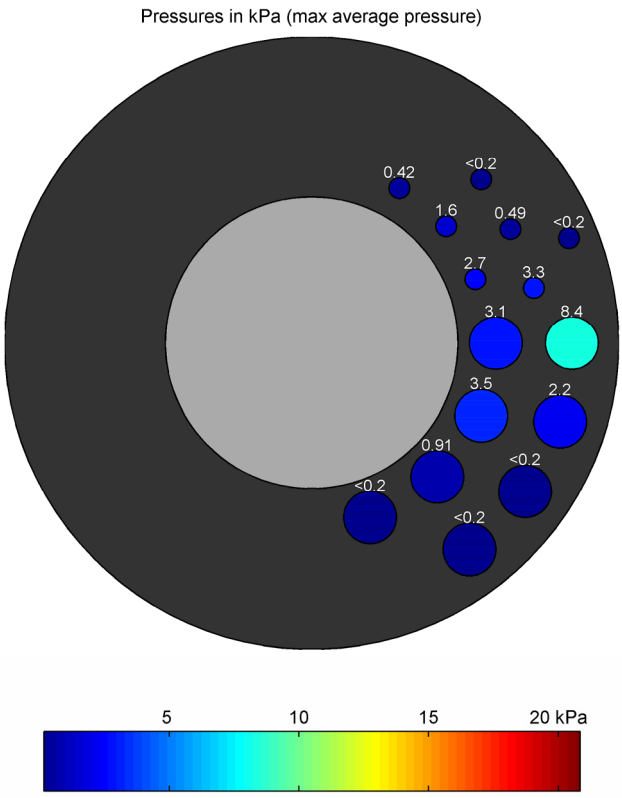
	2%	0.5%	0.1% (max)
Ru [m]	0.212	0.257	0.283
P1 [kPa]	0.98	2.60	5.40
P2 [kPa]	0.71	2.64	3.69
P3 [kPa]	0.00	3.93	5.22
P4 [kPa]	0.25	1.25	1.93
P5 [kPa]	0.00	0.17	8.41
P6 [kPa]	0.00	0.25	4.19
P7 [kPa]	0.00	0.25	2.49
P8 [kPa]	0.00	0.30	1.49
P10 [kPa]	0.67	2.34	3.12
P11 [kPa]	0.58	1.72	2.35
P12 [kPa]	0.51	1.36	2.62
P13 [kPa]	0.00	0.00	3.48
P14 [kPa]	0.00	0.00	2.61
P15 [kPa]	0.00	0.20	2.78
P17 [kPa]	0.00	0.00	3.96
Max. Pressure [kPa]	0.98	3.93	8.41
Cs (max pressure)		10.8	13.6





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.283
P1 [kPa]	3.14
P2 [kPa]	3.48
P3 [kPa]	0.91
P4 [kPa]	0.00
P5 [kPa]	8.41
P6 [kPa]	2.19
P7 [kPa]	0.01
P8 [kPa]	0.03
P10 [kPa]	2.69
P11 [kPa]	1.60
P12 [kPa]	0.42
P13 [kPa]	3.25
P14 [kPa]	0.49
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	2.27
Cs (average pressure)	3.7



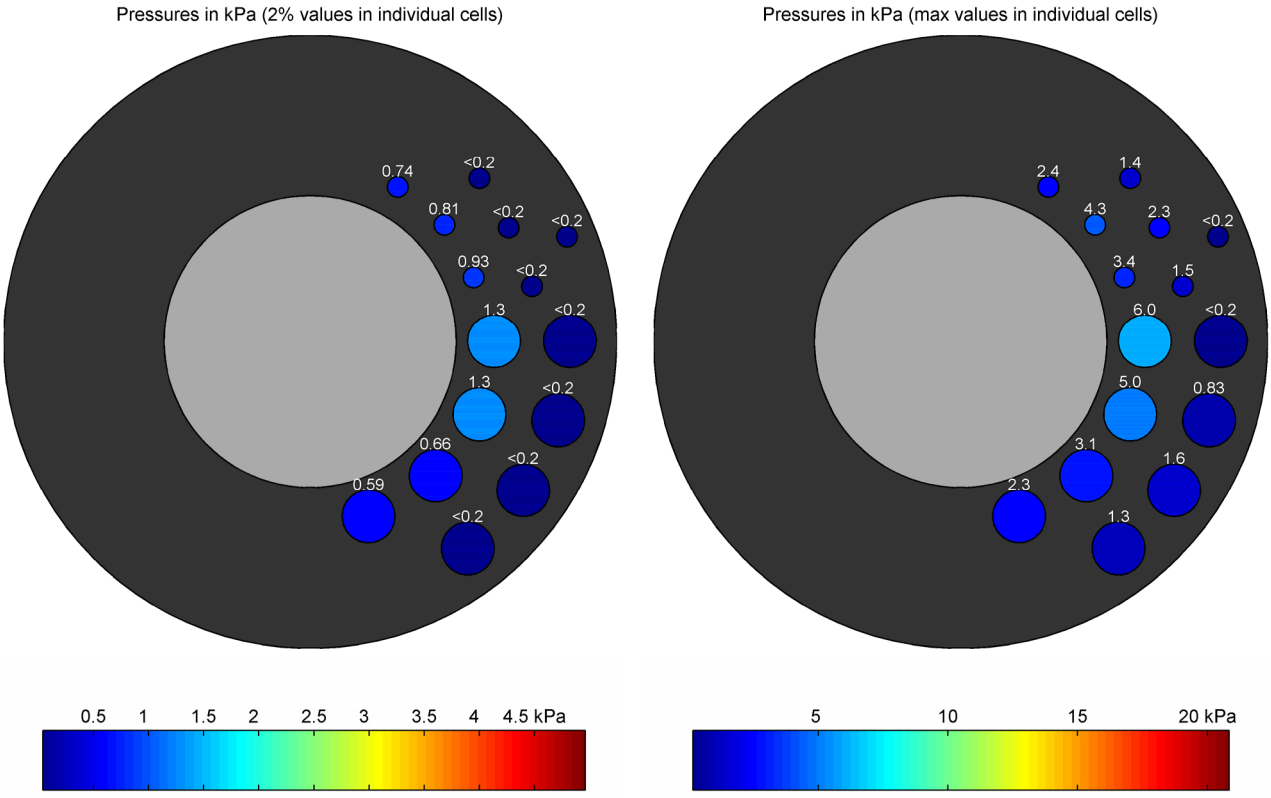
A.9 Test 35 (h/D = 3, $H_{m0}/h = 0.46$, $s_{0p} = 0.035$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test133.dat	RunUp_Test_016.dat	Pressure_HorizPlatform_035.dat	0.202	0.3	0.137	1.59	0.129	0.151	0.171

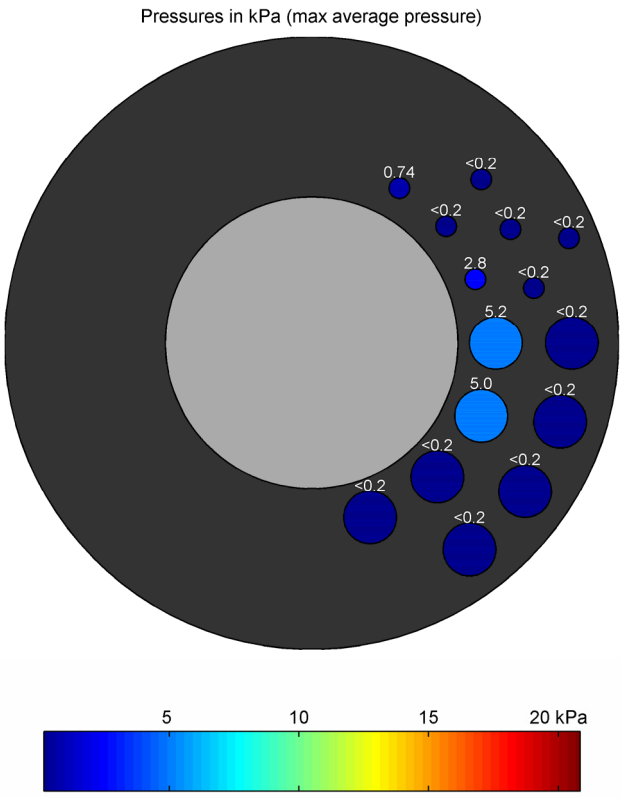
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.198	0.222	0.274
P1 [kPa]	1.29	3.47	6.05
P2 [kPa]	1.26	2.22	4.95
P3 [kPa]	0.66	2.05	3.15
P4 [kPa]	0.59	1.29	2.31
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.35	0.83
P7 [kPa]	0.00	0.77	1.57
P8 [kPa]	0.00	0.76	1.27
P10 [kPa]	0.93	2.02	3.44
P11 [kPa]	0.81	1.71	4.34
P12 [kPa]	0.74	1.59	2.38
P13 [kPa]	0.00	0.34	1.48
P14 [kPa]	0.00	0.35	2.30
P15 [kPa]	0.00	0.81	1.40
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	1.29	3.47	6.05
Cs (max pressure)		17.6	8.6



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.274
P1 [kPa]	5.16
P2 [kPa]	4.95
P3 [kPa]	0.03
P4 [kPa]	0.06
P5 [kPa]	0.01
P6 [kPa]	0.01
P7 [kPa]	0.00
P8 [kPa]	0.02
P10 [kPa]	2.78
P11 [kPa]	0.19
P12 [kPa]	0.74
P13 [kPa]	0.00
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.02
Mean. Pressure over P1 to P8 [kPa]	1.28
Cs (average pressure)	1.8



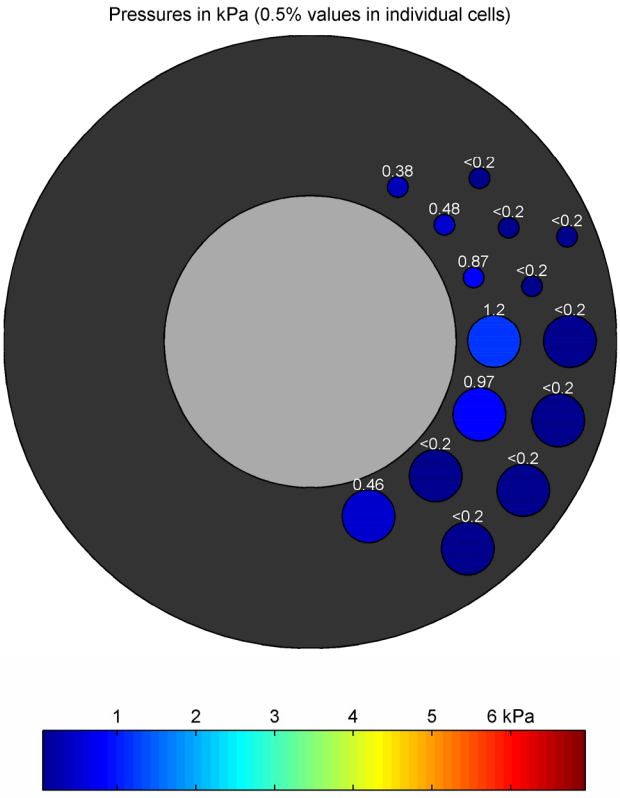
A.10 Test 36 (h/D = 3, $H_{m0}/h = 0.35$, $s_{0p} = 0.020$)

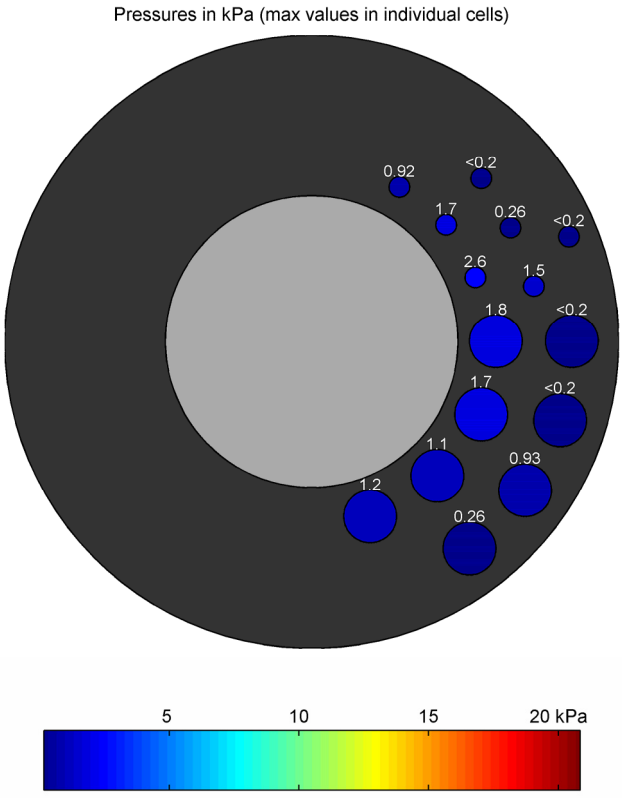
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test122.dat	RunUp_Test_009.dat	Pressure_HorizPlatform_036.dat	0.202	0.3	0.105	1.83	0.100	0.129	0.152

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

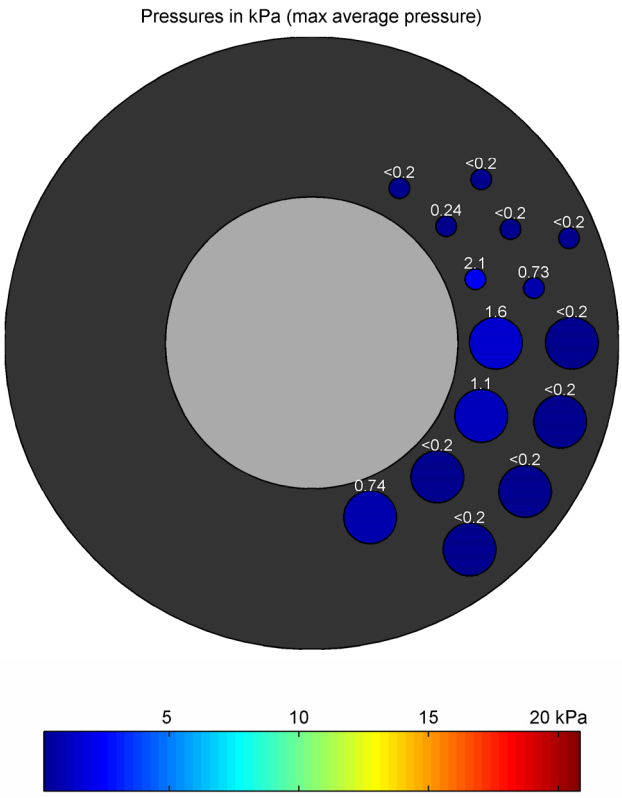
	2%	0.5%	0.1% (max)
Ru [m]	0.156	0.193	0.210
P1 [kPa]	0.00	1.25	1.79
P2 [kPa]	0.00	0.97	1.66
P3 [kPa]	0.00	0.00	1.10
P4 [kPa]	0.00	0.46	1.20
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.93
P8 [kPa]	0.00	0.00	0.26
P10 [kPa]	0.00	0.87	2.61
P11 [kPa]	0.00	0.48	1.73
P12 [kPa]	0.00	0.38	0.92
P13 [kPa]	0.00	0.00	1.50
P14 [kPa]	0.00	0.00	0.26
P15 [kPa]	0.00	0.00	0.00
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.00	1.25	2.61
Cs (max pressure)			32.0





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.210
P1 [kPa]	1.63
P2 [kPa]	1.11
P3 [kPa]	0.01
P4 [kPa]	0.74
P5 [kPa]	0.02
P6 [kPa]	0.01
P7 [kPa]	0.02
P8 [kPa]	0.00
P10 [kPa]	2.14
P11 [kPa]	0.24
P12 [kPa]	0.08
P13 [kPa]	0.73
P14 [kPa]	0.09
P15 [kPa]	0.00
P17 [kPa]	0.08
Mean. Pressure over P1 to P8 [kPa]	0.44
Cs (average pressure)	5.4



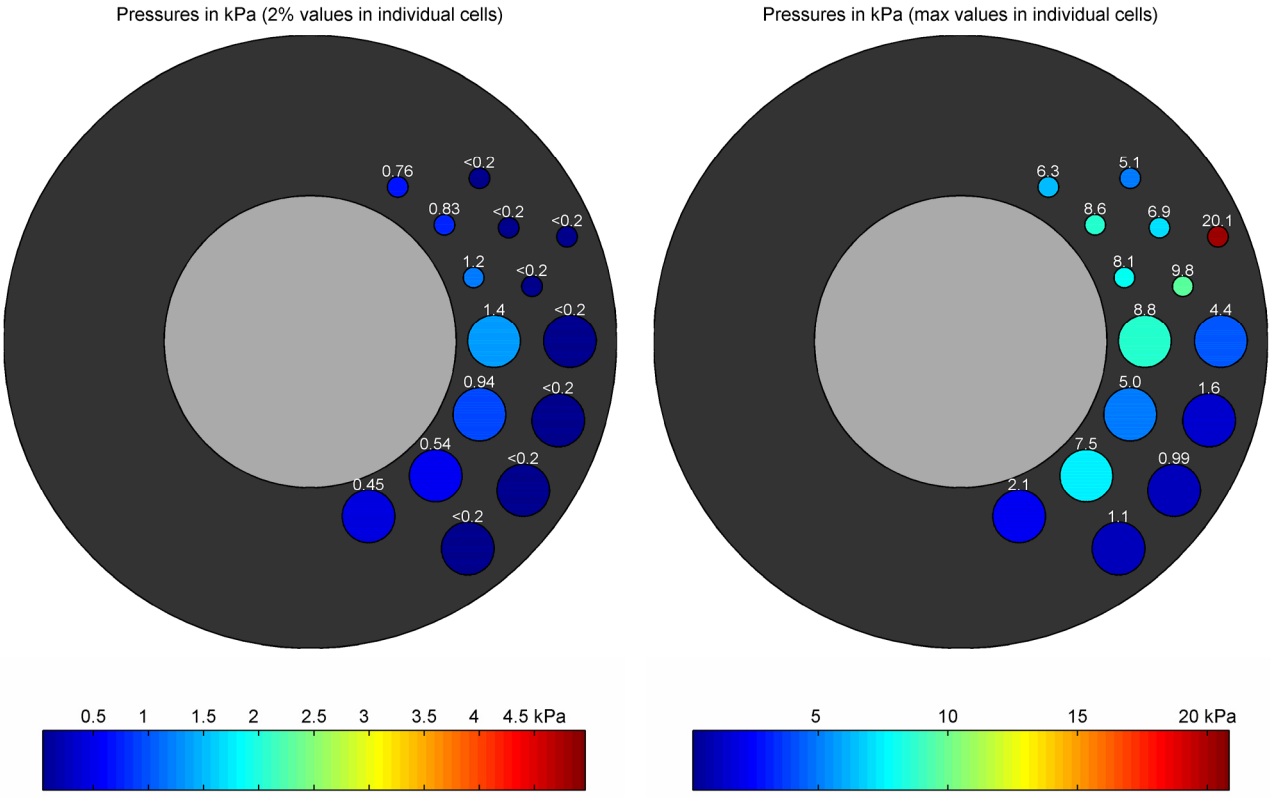
A.11 Test 37 (h/D = 3, $H_{m0}/h = 0.40$, $s_{0p} = 0.020$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test125.dat	RunUp_Test_010.dat	Pressure_HorizPlatform_037.dat	0.202	0.3	0.121	1.96	0.112	0.136	0.173

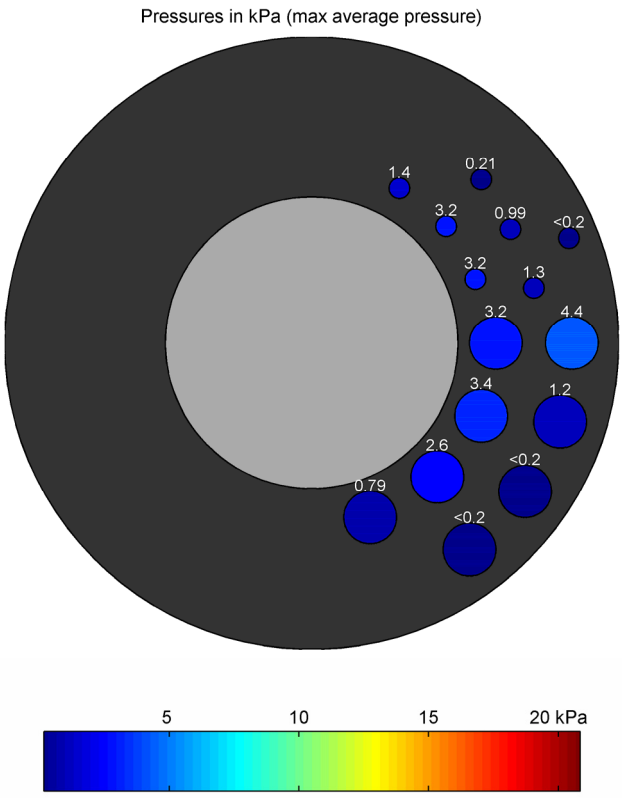
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.203	0.236	0.290
P1 [kPa]	1.38	2.73	8.76
P2 [kPa]	0.94	2.89	5.00
P3 [kPa]	0.54	1.43	7.49
P4 [kPa]	0.45	1.12	2.12
P5 [kPa]	0.00	0.40	4.41
P6 [kPa]	0.00	0.23	1.62
P7 [kPa]	0.00	0.28	0.99
P8 [kPa]	0.00	0.39	1.06
P10 [kPa]	1.22	2.68	8.15
P11 [kPa]	0.83	1.97	8.60
P12 [kPa]	0.76	1.62	6.25
P13 [kPa]	0.00	0.35	9.84
P14 [kPa]	0.00	0.31	6.90
P15 [kPa]	0.00	0.43	5.10
P17 [kPa]	0.00	0.00	20.11
Max. Pressure [kPa]	1.38	2.89	20.11
Cs (max pressure)	233.4	8.6	23.2



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.290
P1 [kPa]	3.19
P2 [kPa]	3.41
P3 [kPa]	2.58
P4 [kPa]	0.79
P5 [kPa]	4.41
P6 [kPa]	1.17
P7 [kPa]	0.00
P8 [kPa]	0.09
P10 [kPa]	3.21
P11 [kPa]	3.18
P12 [kPa]	1.35
P13 [kPa]	1.26
P14 [kPa]	0.99
P15 [kPa]	0.21
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.95
Cs (average pressure)	2.3



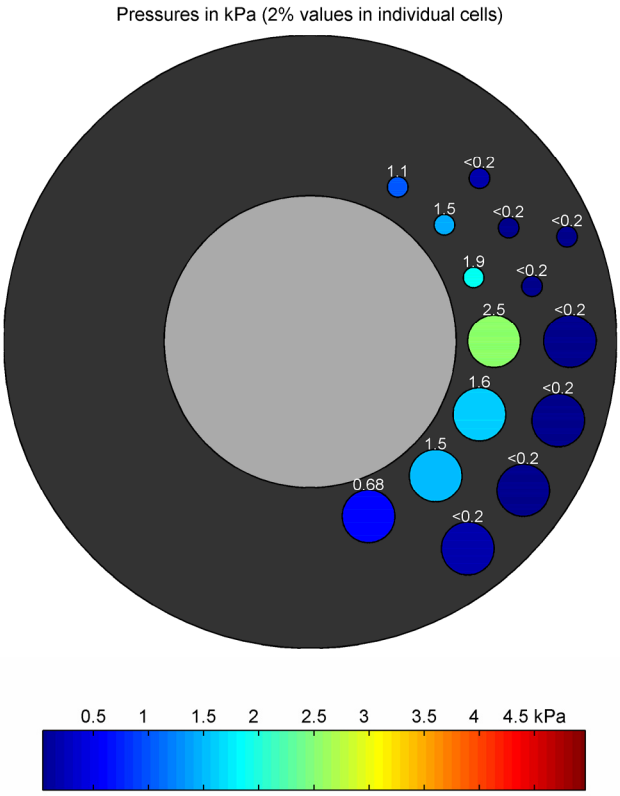
A.12 Test 38 (h/D = 3, $H_{m0}/h = 0.43$, $s_{0p} = 0.020$)

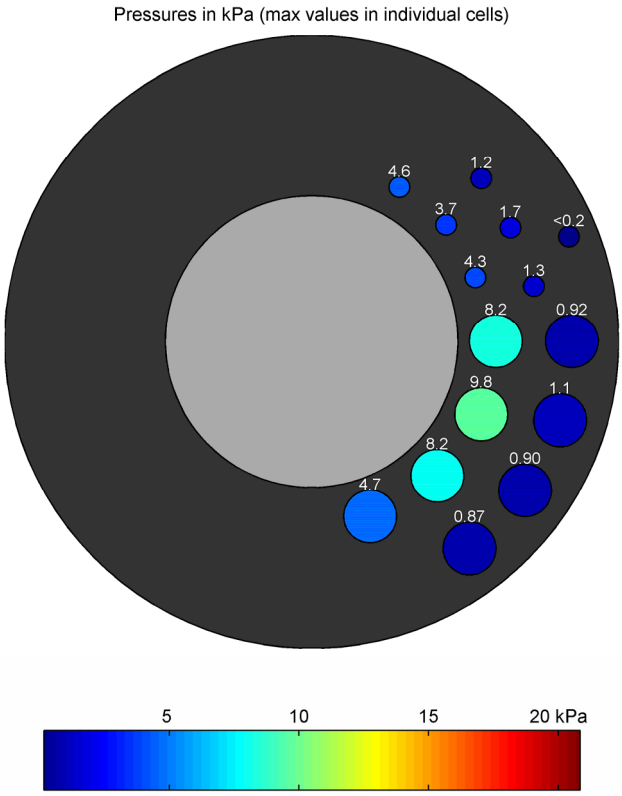
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test127.dat	RunUp_Test_011.dat	Pressure_HorizPlatform_038.dat	0.202	0.3	0.130	2.03	0.119	0.141	0.163

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

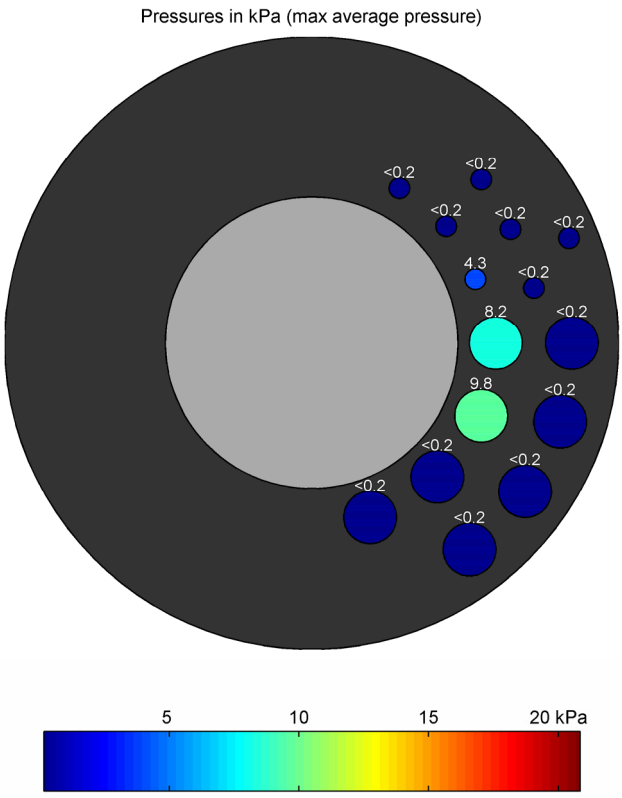
	2%	0.5%	0.1% (max)
Ru [m]	0.215	0.244	0.267
P1 [kPa]	2.54	4.73	8.21
P2 [kPa]	1.61	2.90	9.83
P3 [kPa]	1.53	3.49	8.16
P4 [kPa]	0.68	2.02	4.71
P5 [kPa]	0.00	0.00	0.92
P6 [kPa]	0.00	0.22	1.07
P7 [kPa]	0.00	0.90	0.90
P8 [kPa]	0.18	0.87	0.87
P10 [kPa]	1.94	3.00	4.26
P11 [kPa]	1.47	2.90	3.74
P12 [kPa]	1.08	2.00	4.57
P13 [kPa]	0.00	0.41	1.34
P14 [kPa]	0.00	0.47	1.73
P15 [kPa]	0.16	0.70	1.17
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	2.54	4.73	9.83
Cs (max pressure)	19.9	11.5	15.3





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.267
P1 [kPa]	8.21
P2 [kPa]	9.83
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.00
P6 [kPa]	0.04
P7 [kPa]	0.00
P8 [kPa]	0.02
P10 [kPa]	4.26
P11 [kPa]	0.14
P12 [kPa]	0.10
P13 [kPa]	0.00
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	2.14
Cs (average pressure)	3.3



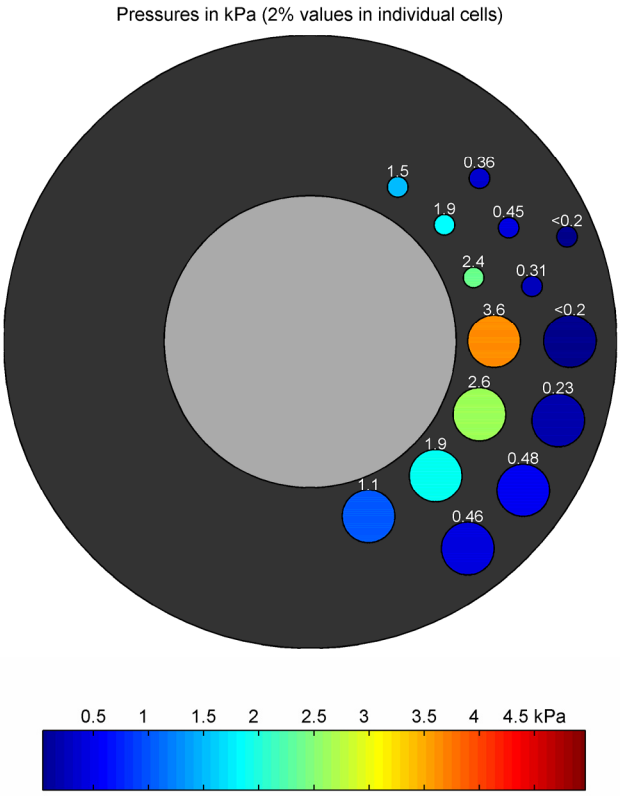
A.13 Test 39 (h/D = 3, $H_{m0}/h = 0.46$, $s_{0p} = 0.020$)

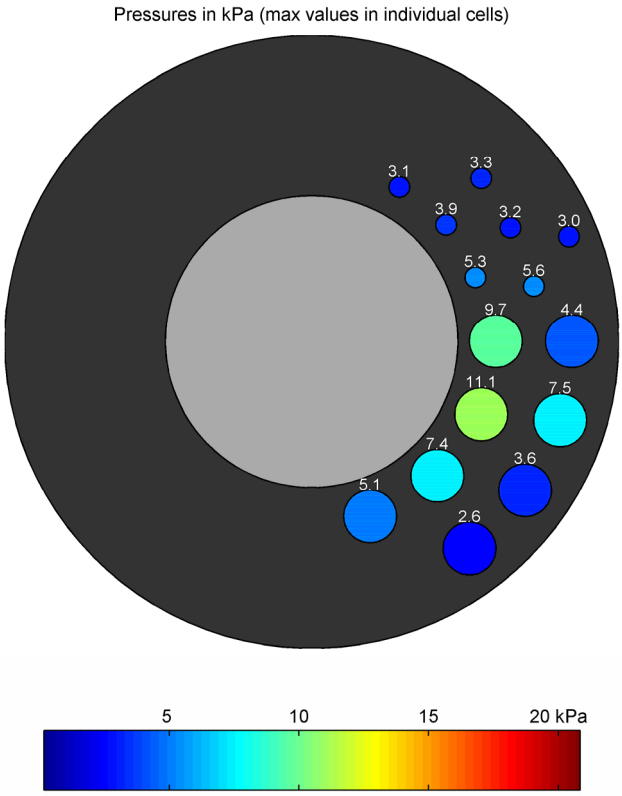
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test128.dat	RunUp_Test_012.dat	Pressure_HorizPlatform_039.dat	0.202	0.3	0.139	2.10	0.125	0.143	0.166

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

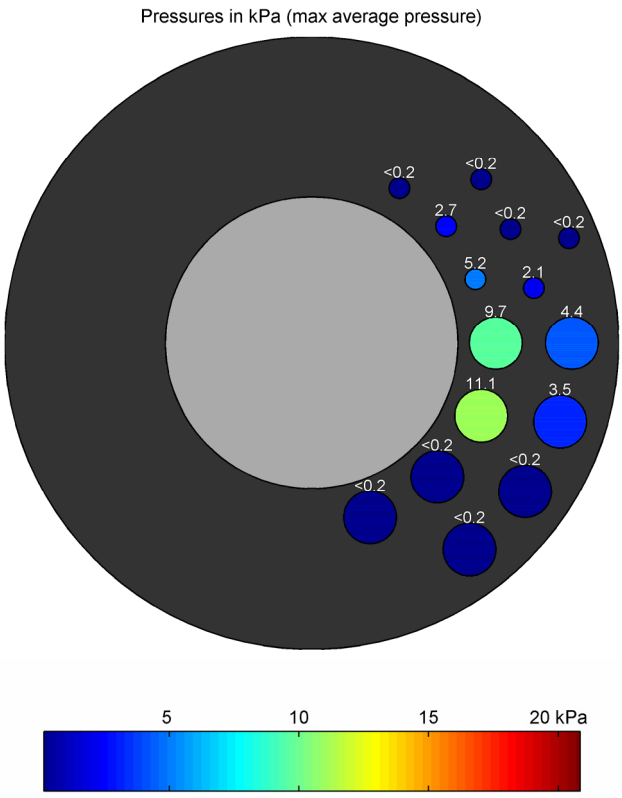
	2%	0.5%	0.1% (max)
Ru [m]	0.235	0.251	0.279
P1 [kPa]	3.63	5.75	9.71
P2 [kPa]	2.61	6.55	11.07
P3 [kPa]	1.89	4.30	7.42
P4 [kPa]	1.09	1.52	5.06
P5 [kPa]	0.00	0.48	4.40
P6 [kPa]	0.23	0.76	7.51
P7 [kPa]	0.48	1.30	3.56
P8 [kPa]	0.46	1.12	2.58
P10 [kPa]	2.38	4.23	5.25
P11 [kPa]	1.87	3.03	3.92
P12 [kPa]	1.54	2.46	3.09
P13 [kPa]	0.31	1.28	5.56
P14 [kPa]	0.45	1.98	3.21
P15 [kPa]	0.36	1.26	3.35
P17 [kPa]	0.00	0.70	3.00
Max. Pressure [kPa]	3.63	6.55	11.07
Cs (max pressure)	11.2	13.7	14.7





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.279
P1 [kPa]	9.71
P2 [kPa]	11.07
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	4.40
P6 [kPa]	3.48
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	5.21
P11 [kPa]	2.72
P12 [kPa]	0.06
P13 [kPa]	2.11
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	3.55
Cs (average pressure)	4.7



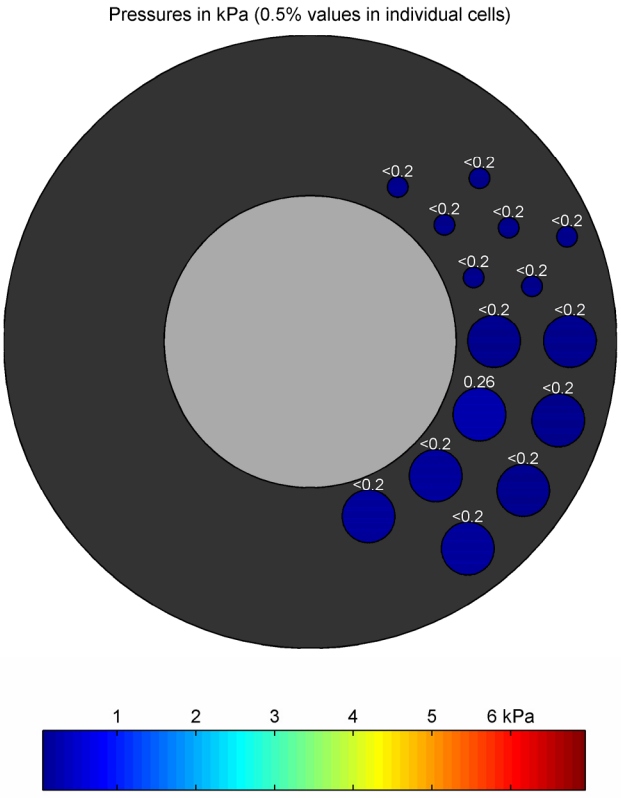
A.14 Test 40 (h/D = 3, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

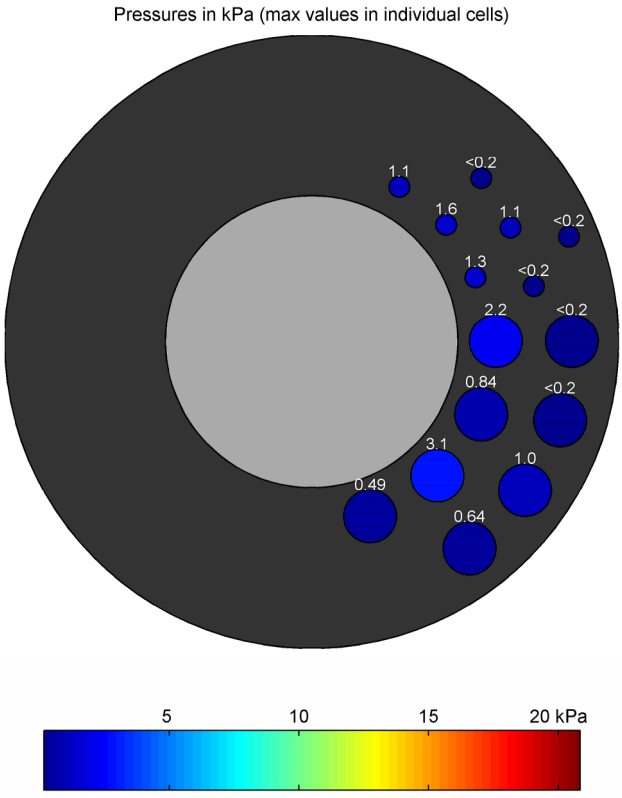
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test130.dat	RunUp_Test_013.dat	Pressure_HorizPlatform_040.dat	0.202	0.3	0.106	1.39	0.099	0.129	0.151

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

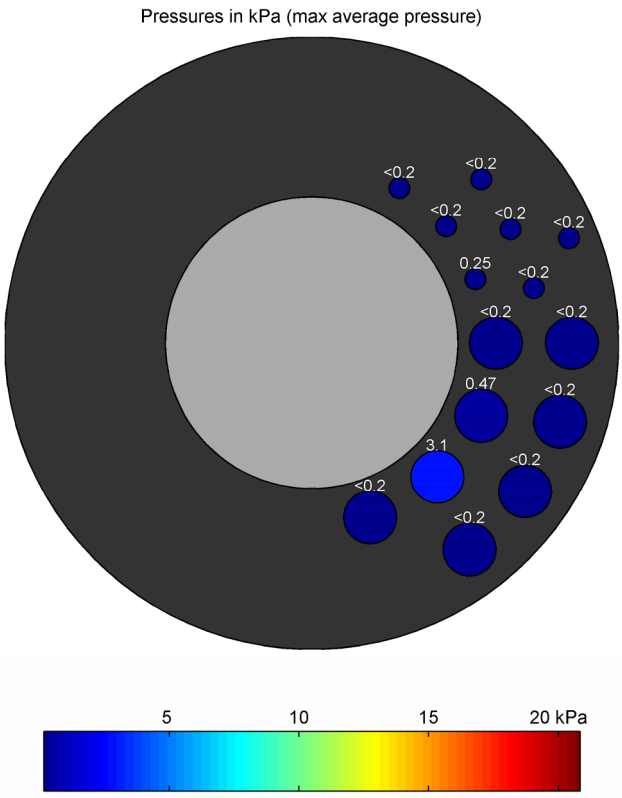
	2%	0.5%	0.1% (max)
Ru [m]	0.140	0.164	0.174
P1 [kPa]	0.00	0.00	2.23
P2 [kPa]	0.00	0.26	0.84
P3 [kPa]	0.00	0.15	3.12
P4 [kPa]	0.00	0.20	0.49
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	1.04
P8 [kPa]	0.00	0.17	0.64
P10 [kPa]	0.00	0.00	1.33
P11 [kPa]	0.00	0.00	1.64
P12 [kPa]	0.00	0.00	1.08
P13 [kPa]	0.00	0.00	0.00
P14 [kPa]	0.00	0.00	1.15
P15 [kPa]	0.00	0.00	0.00
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.00	0.26	3.12
Cs (max pressure)			





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.174
P1 [kPa]	0.00
P2 [kPa]	0.47
P3 [kPa]	3.12
P4 [kPa]	0.02
P5 [kPa]	0.03
P6 [kPa]	0.01
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	0.25
P11 [kPa]	0.11
P12 [kPa]	0.16
P13 [kPa]	0.00
P14 [kPa]	0.07
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	0.45
Cs (average pressure)	



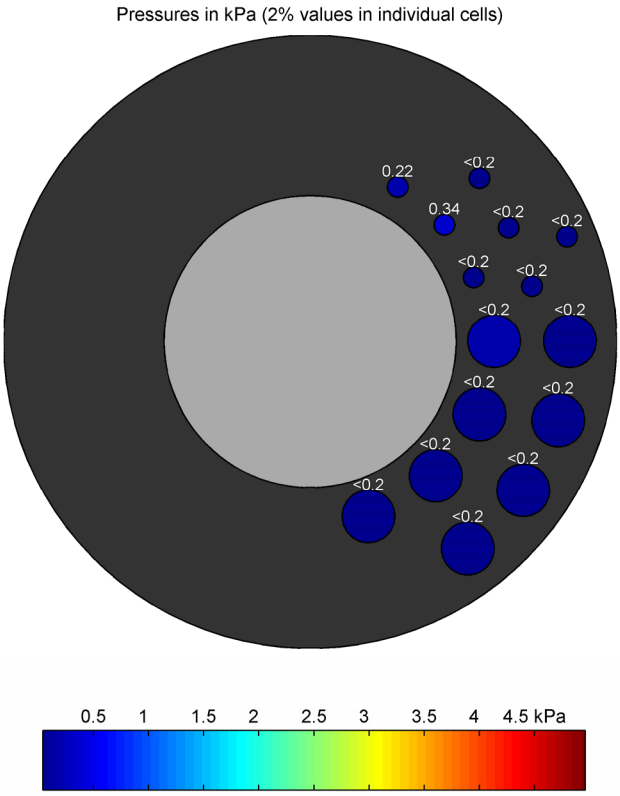
A.15 Test 41 (h/D = 3, $H_{m0}/h = 0.40$, $s_{0p} = 0.035$)

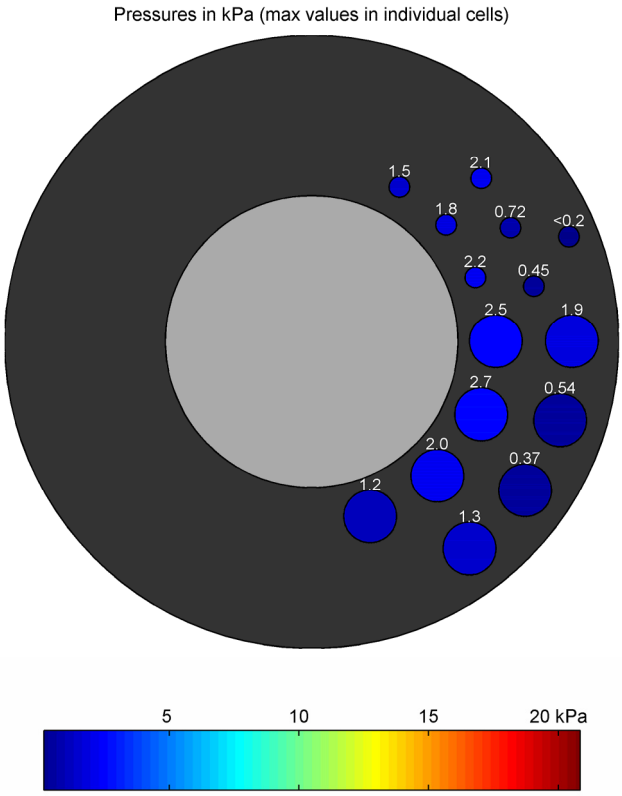
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test131.dat	RunUp_Test_014.dat	Pressure_HorizPlatform_041.dat	0.202	0.3	0.119	1.48	0.115	0.142	0.164

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

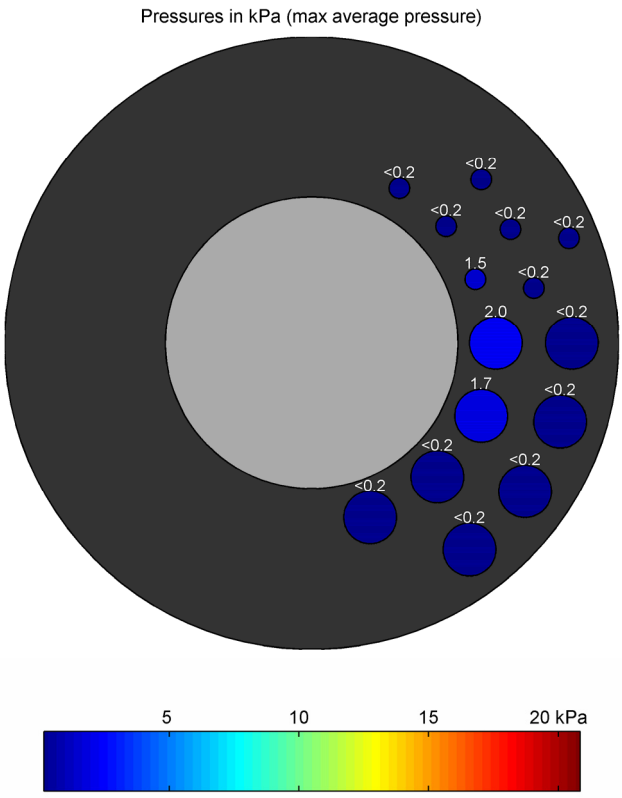
	2%	0.5%	0.1% (max)
Ru [m]	0.170	0.191	0.213
P1 [kPa]	0.16	1.06	2.46
P2 [kPa]	0.00	0.90	2.67
P3 [kPa]	0.00	0.79	2.02
P4 [kPa]	0.00	0.73	1.23
P5 [kPa]	0.00	0.00	1.91
P6 [kPa]	0.00	0.00	0.54
P7 [kPa]	0.00	0.00	0.37
P8 [kPa]	0.00	0.00	1.32
P10 [kPa]	0.00	1.01	2.23
P11 [kPa]	0.34	0.93	1.83
P12 [kPa]	0.22	0.98	1.49
P13 [kPa]	0.00	0.00	0.45
P14 [kPa]	0.00	0.00	0.72
P15 [kPa]	0.00	0.00	2.11
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.34	1.06	2.67
Cs (max pressure)			24.3





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.213
P1 [kPa]	2.04
P2 [kPa]	1.70
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	1.55
P11 [kPa]	0.00
P12 [kPa]	0.00
P13 [kPa]	0.02
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.01
Mean. Pressure over P1 to P8 [kPa]	0.46
Cs (average pressure)	4.2



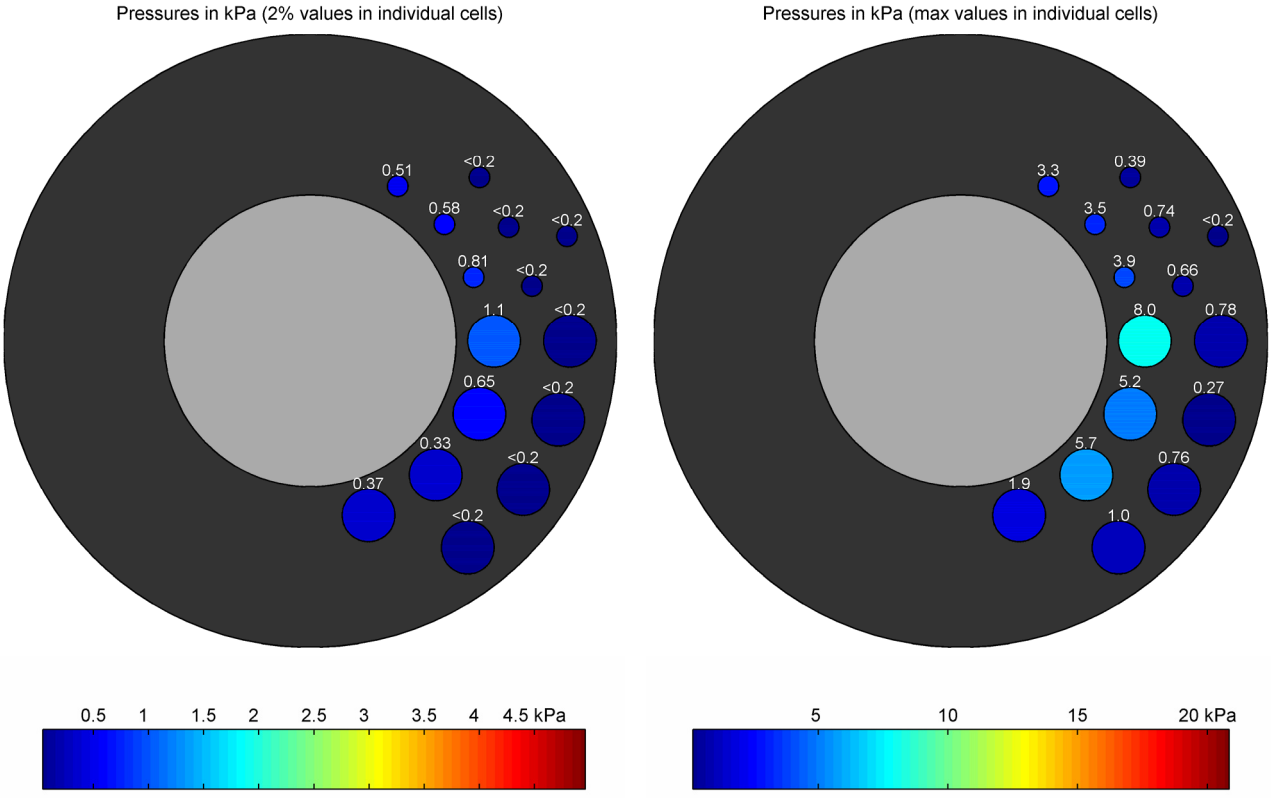
A.16 Test 42 (h/D = 3, H_{m0}/h = 0.43, s_{0p} = 0.035)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test132.dat	RunUp_Test_015.dat	Pressure_HorizPlatform_042.dat	0.202	0.3	0.130	1.54	0.120	0.143	0.173

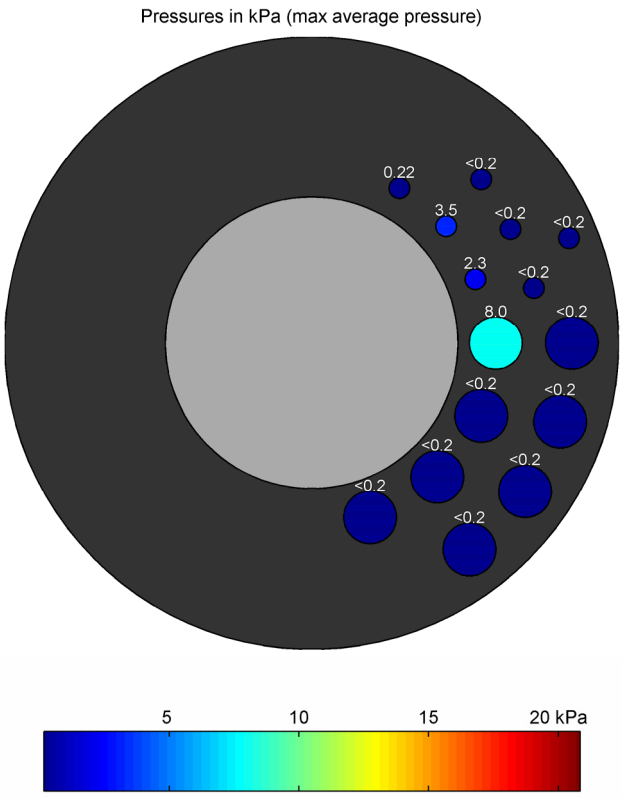
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.186	0.212	0.230
P1 [kPa]	1.07	2.07	7.99
P2 [kPa]	0.65	2.08	5.18
P3 [kPa]	0.33	1.34	5.69
P4 [kPa]	0.37	1.03	1.92
P5 [kPa]	0.00	0.00	0.78
P6 [kPa]	0.00	0.00	0.27
P7 [kPa]	0.00	0.25	0.76
P8 [kPa]	0.00	0.00	1.04
P10 [kPa]	0.81	1.66	3.95
P11 [kPa]	0.58	1.69	3.52
P12 [kPa]	0.51	1.44	3.27
P13 [kPa]	0.00	0.00	0.66
P14 [kPa]	0.00	0.23	0.74
P15 [kPa]	0.00	0.00	0.39
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	1.07	2.08	7.99
Cs (max pressure)		22.1	28.7



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.230
P1 [kPa]	7.99
P2 [kPa]	0.13
P3 [kPa]	0.00
P4 [kPa]	0.02
P5 [kPa]	0.01
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.01
P10 [kPa]	2.27
P11 [kPa]	3.52
P12 [kPa]	0.22
P13 [kPa]	0.00
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.02
Cs (average pressure)	3.7



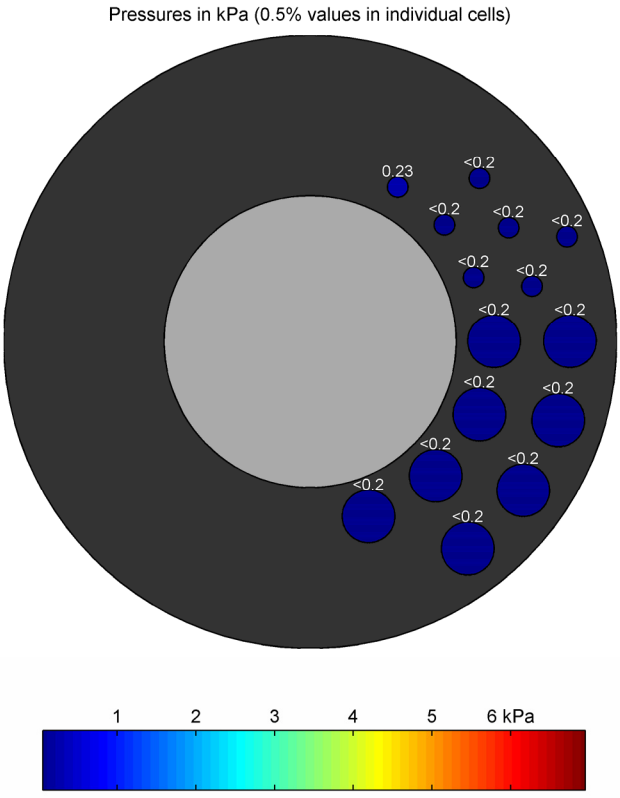
A.17 Test 51 (h/D = 2, H_{m0}/h = 0.35, s_{0p} = 0.020)

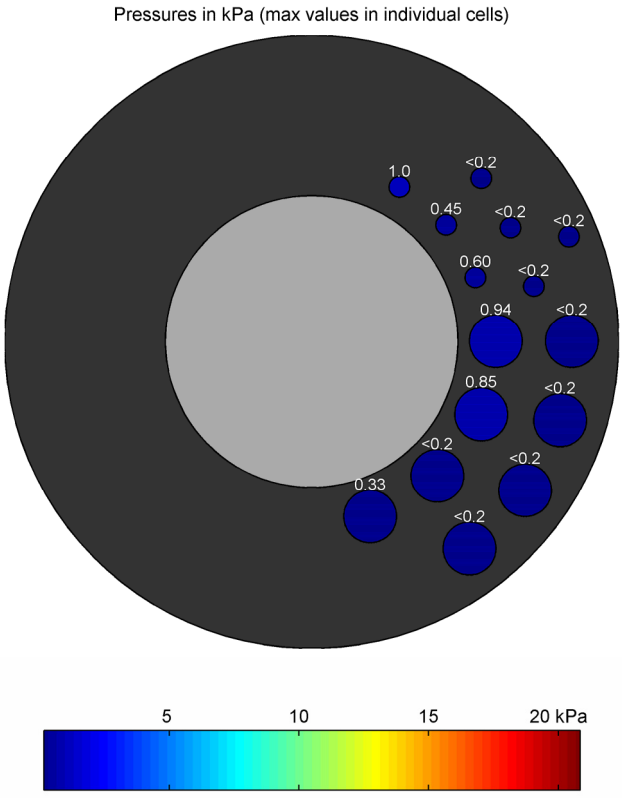
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test112.dat	RunUp_Test_001.dat	Pressure_HorizPlatform_051.dat	0.135	0.2	0.069	1.50	0.065	0.082	0.092

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

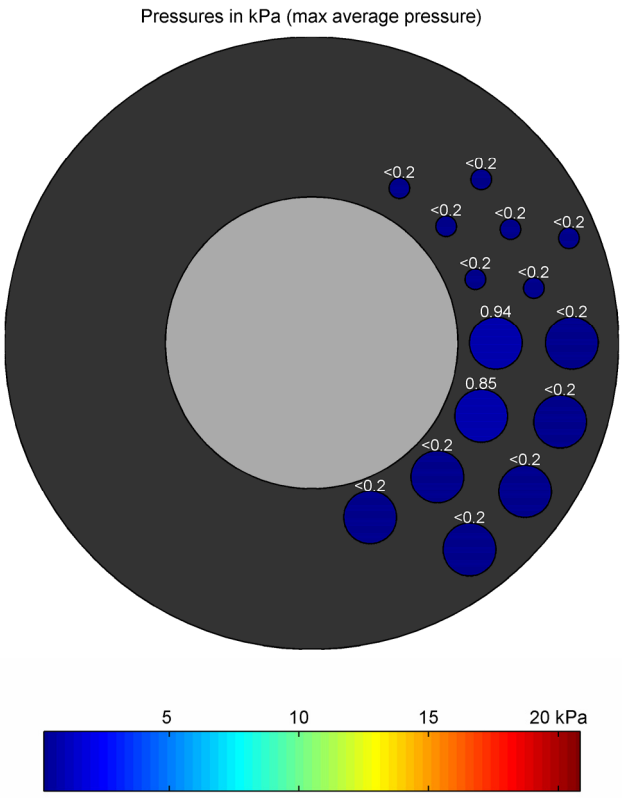
	2%	0.5%	0.1% (max)
Ru [m]	0.103	0.121	0.128
P1 [kPa]	0.00	0.00	0.94
P2 [kPa]	0.00	0.00	0.85
P3 [kPa]	0.00	0.00	0.00
P4 [kPa]	0.00	0.00	0.33
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.00	0.00
P10 [kPa]	0.00	0.00	0.60
P11 [kPa]	0.00	0.00	0.45
P12 [kPa]	0.00	0.23	1.04
P13 [kPa]	0.00	0.00	0.00
P14 [kPa]	0.00	0.00	0.00
P15 [kPa]	0.00	0.00	0.00
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.00	0.23	1.04
Cs (max pressure)			





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.128
P1 [kPa]	0.94
P2 [kPa]	0.85
P3 [kPa]	0.00
P4 [kPa]	0.01
P5 [kPa]	0.03
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	0.16
P11 [kPa]	0.00
P12 [kPa]	0.00
P13 [kPa]	0.03
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	0.22
Cs (average pressure)	



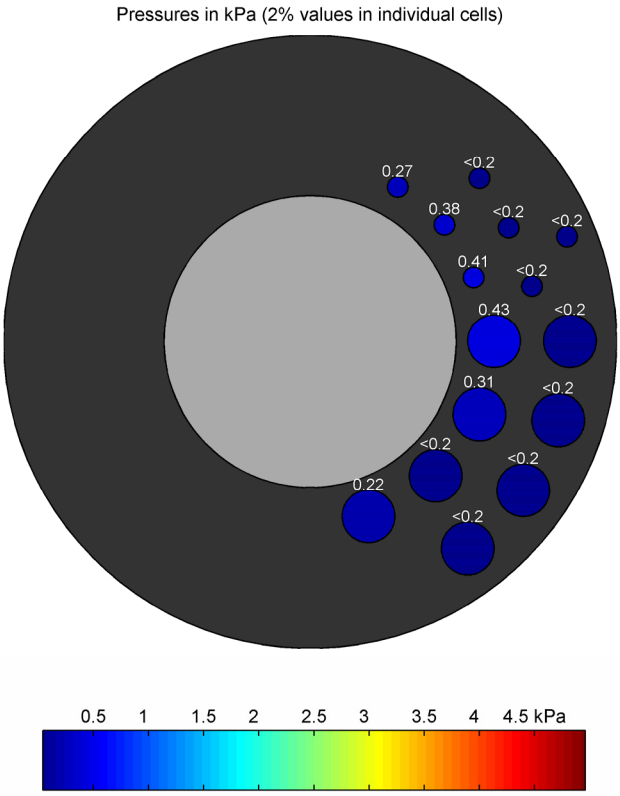
A.18 Test 52 (h/D = 2, H_{m0}/h = 0.40, s_{0p} = 0.020)

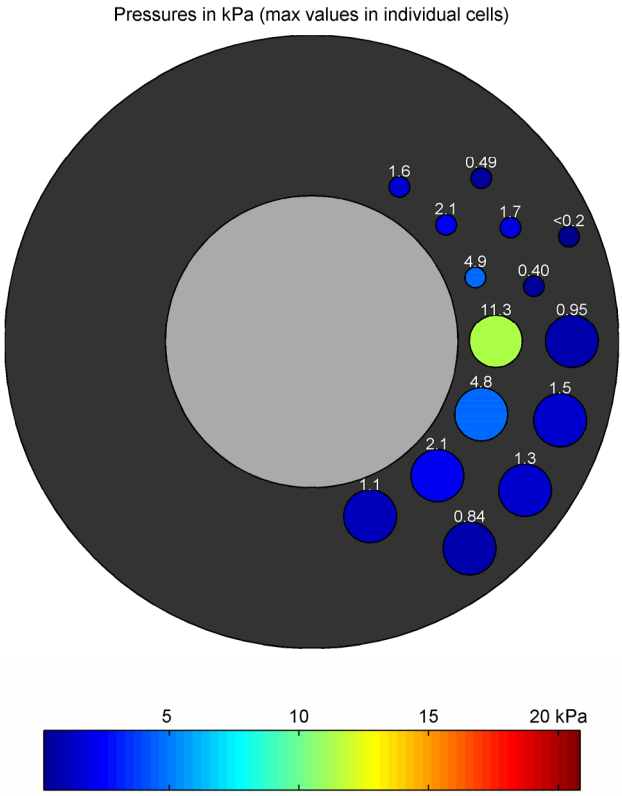
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test113.dat	RunUp_Test_002.dat	Pressure_HorizPlatform_052.dat	0.135	0.2	0.079	1.60	0.075	0.92	0.105

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

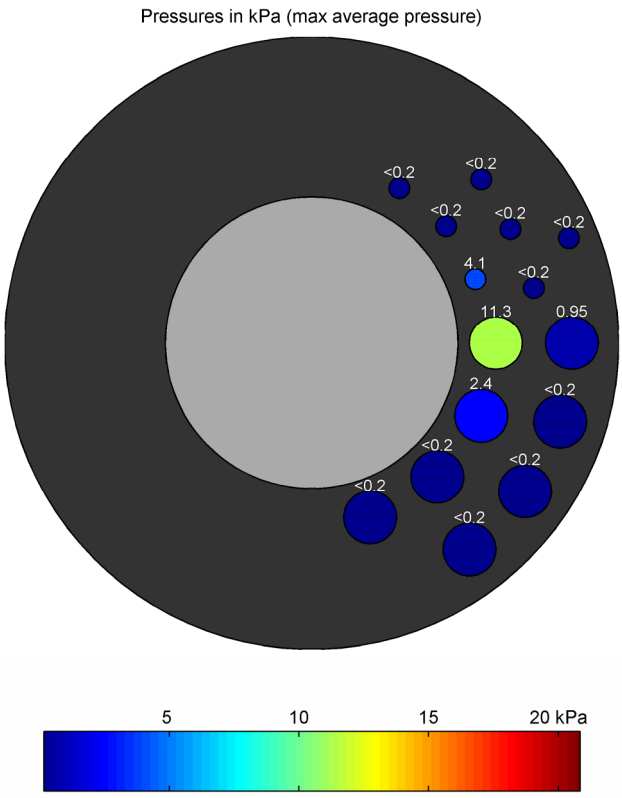
	2%	0.5%	0.1% (max)
Ru [m]	0.148	0.164	0.188
P1 [kPa]	0.43	2.27	11.28
P2 [kPa]	0.31	1.32	4.84
P3 [kPa]	0.00	1.66	2.11
P4 [kPa]	0.22	0.54	1.10
P5 [kPa]	0.00	0.00	0.95
P6 [kPa]	0.00	0.00	1.47
P7 [kPa]	0.00	1.31	1.32
P8 [kPa]	0.00	0.83	0.84
P10 [kPa]	0.41	1.28	4.90
P11 [kPa]	0.38	0.77	2.13
P12 [kPa]	0.27	0.73	1.58
P13 [kPa]	0.00	0.00	0.40
P14 [kPa]	0.00	0.00	1.69
P15 [kPa]	0.00	0.00	0.49
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.43	2.27	11.28
Cs (max pressure)	3.3	8.0	21.5





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.188
P1 [kPa]	11.28
P2 [kPa]	2.45
P3 [kPa]	0.00
P4 [kPa]	0.06
P5 [kPa]	0.95
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	4.07
P11 [kPa]	0.16
P12 [kPa]	0.00
P13 [kPa]	0.06
P14 [kPa]	0.06
P15 [kPa]	0.19
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.83
Cs (average pressure)	3.5



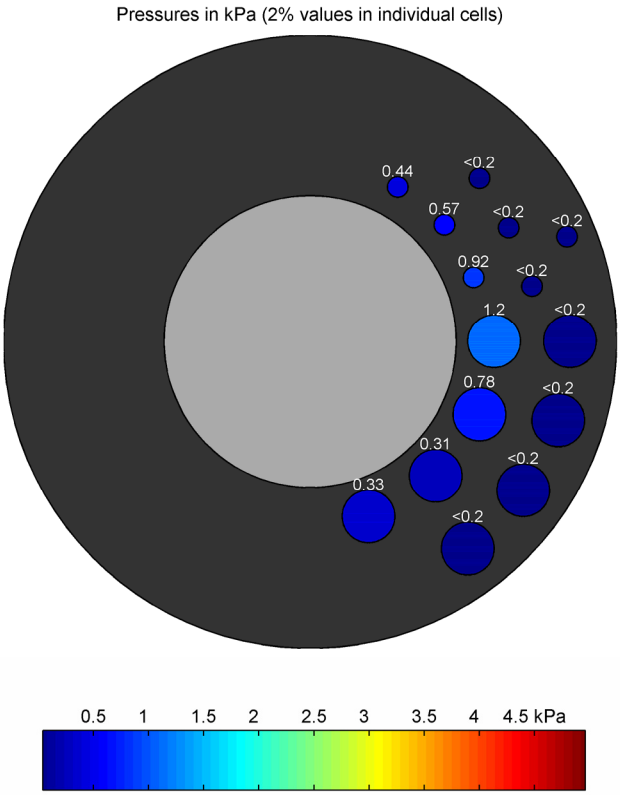
A.19 Test 53 (h/D = 2, H_{m0}/h = 0.43, s_{0p} = 0.020)

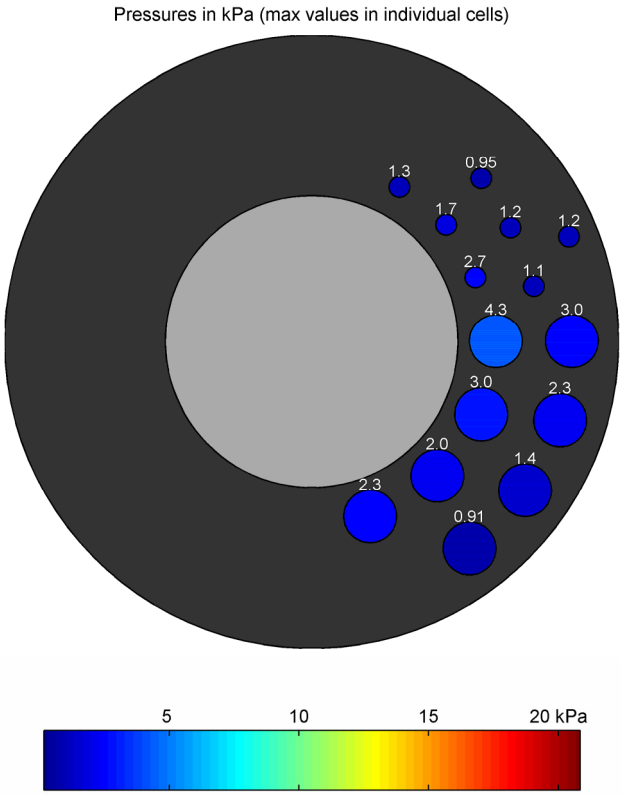
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test115.dat	RunUp_Test_003.dat	Pressure_HorizPlatform_053.dat	0.135	0.085	1.66	0.082	0.101	0.122	0.2

Measured pressures and calculated maximum slamming coefficients:

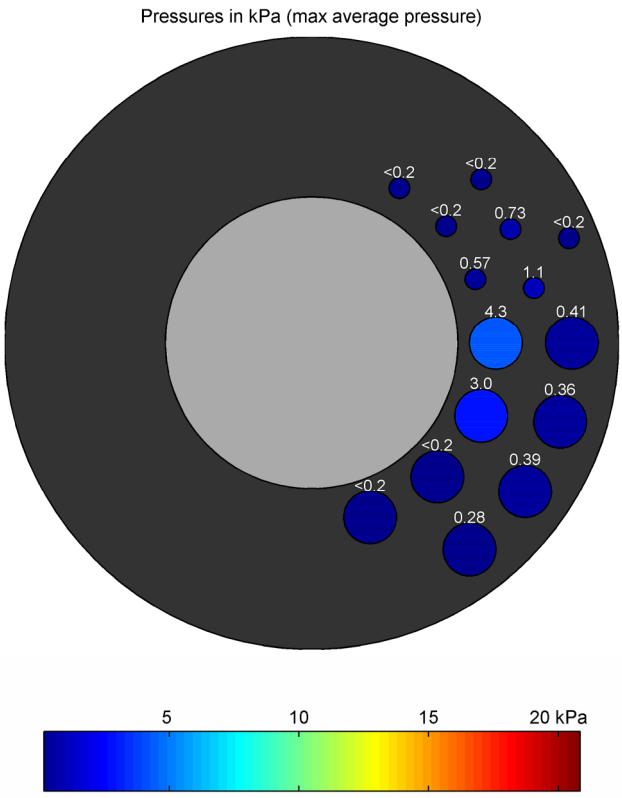
	2%	0.5%	0.1% (max)
Ru [m]	0.154	0.169	0.207
P1 [kPa]	1.16	3.31	4.28
P2 [kPa]	0.78	1.76	2.98
P3 [kPa]	0.31	1.20	2.04
P4 [kPa]	0.33	0.46	2.31
P5 [kPa]	0.00	0.18	2.95
P6 [kPa]	0.00	0.20	2.25
P7 [kPa]	0.00	1.39	1.40
P8 [kPa]	0.00	0.51	0.91
P10 [kPa]	0.92	1.78	2.67
P11 [kPa]	0.57	1.28	1.68
P12 [kPa]	0.44	0.96	1.25
P13 [kPa]	0.00	0.17	1.08
P14 [kPa]	0.00	0.25	1.16
P15 [kPa]	0.00	0.24	0.95
P17 [kPa]	0.00	0.00	1.24
Max. Pressure [kPa]	1.16	3.31	4.28
Cs (max pressure)	6.2	9.8	6.0





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.207
P1 [kPa]	4.28
P2 [kPa]	2.98
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.41
P6 [kPa]	0.36
P7 [kPa]	0.39
P8 [kPa]	0.28
P10 [kPa]	0.57
P11 [kPa]	0.02
P12 [kPa]	0.00
P13 [kPa]	1.07
P14 [kPa]	0.73
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	1.09
Cs (average pressure)	1.5



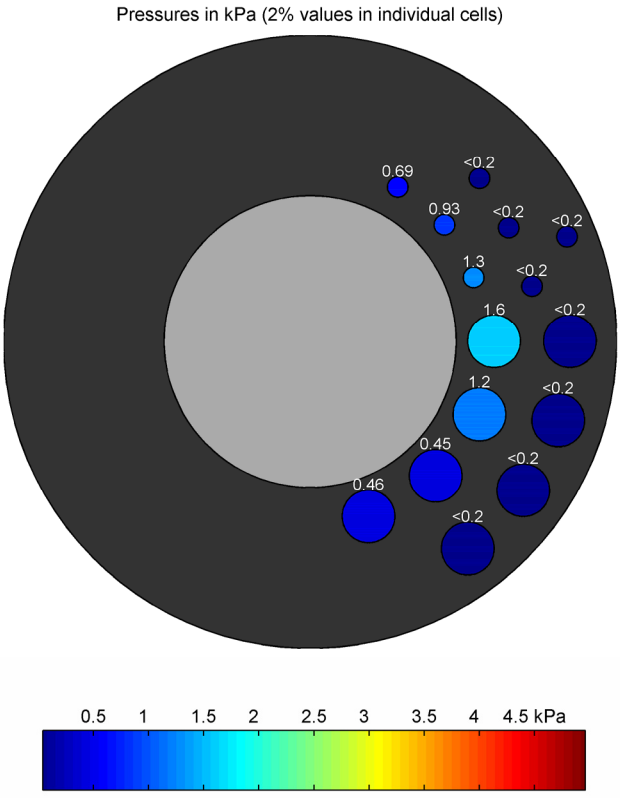
A.20 Test 54 (h/D = 2, H_{m0}/h = 0.46, s_{0p} = 0.020)

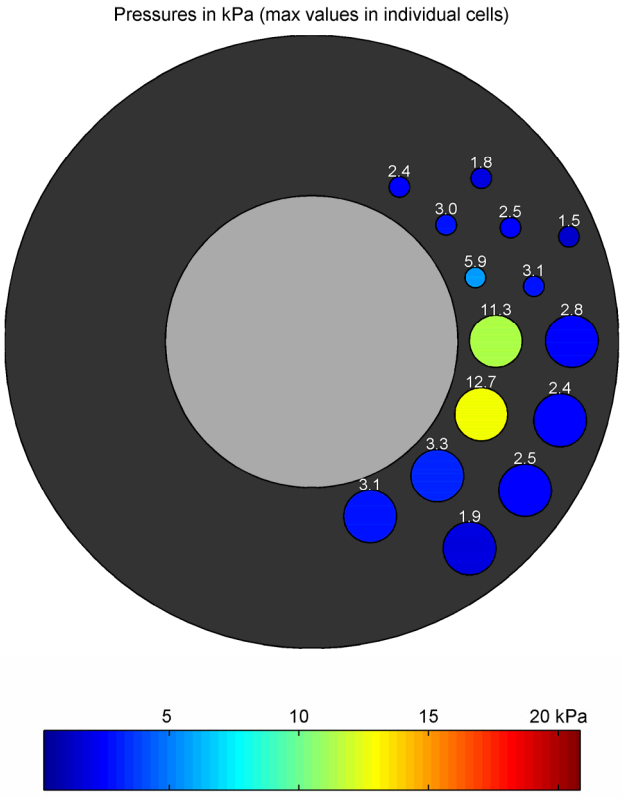
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test116.dat	RunUp_Test_004.dat	Pressure_HorizPlatform_054.dat	0.135	0.2	0.091	1.72	0.087	0.102	0.114

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

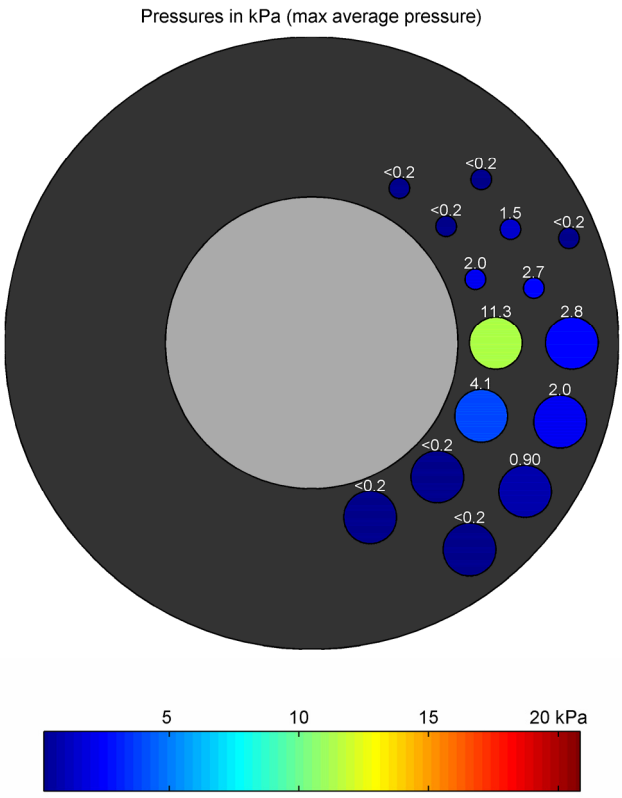
	2%	0.5%	0.1% (max)
Ru [m]	0.169	0.181	0.224
P1 [kPa]	1.63	3.01	11.28
P2 [kPa]	1.17	2.54	12.65
P3 [kPa]	0.45	1.55	3.31
P4 [kPa]	0.46	0.89	3.11
P5 [kPa]	0.00	0.00	2.79
P6 [kPa]	0.00	0.00	2.36
P7 [kPa]	0.00	0.41	2.45
P8 [kPa]	0.00	0.29	1.94
P10 [kPa]	1.27	2.03	5.86
P11 [kPa]	0.93	1.56	3.04
P12 [kPa]	0.69	1.16	2.39
P13 [kPa]	0.00	0.38	3.13
P14 [kPa]	0.00	0.38	2.48
P15 [kPa]	0.00	0.28	1.79
P17 [kPa]	0.00	0.00	1.51
Max. Pressure [kPa]	1.63	3.01	12.65
Cs (max pressure)	4.8	6.6	14.5





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.224
P1 [kPa]	11.28
P2 [kPa]	4.14
P3 [kPa]	0.00
P4 [kPa]	0.05
P5 [kPa]	2.79
P6 [kPa]	2.01
P7 [kPa]	0.90
P8 [kPa]	0.00
P10 [kPa]	2.01
P11 [kPa]	0.00
P12 [kPa]	0.00
P13 [kPa]	2.74
P14 [kPa]	1.51
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	2.63
Cs (average pressure)	3.0



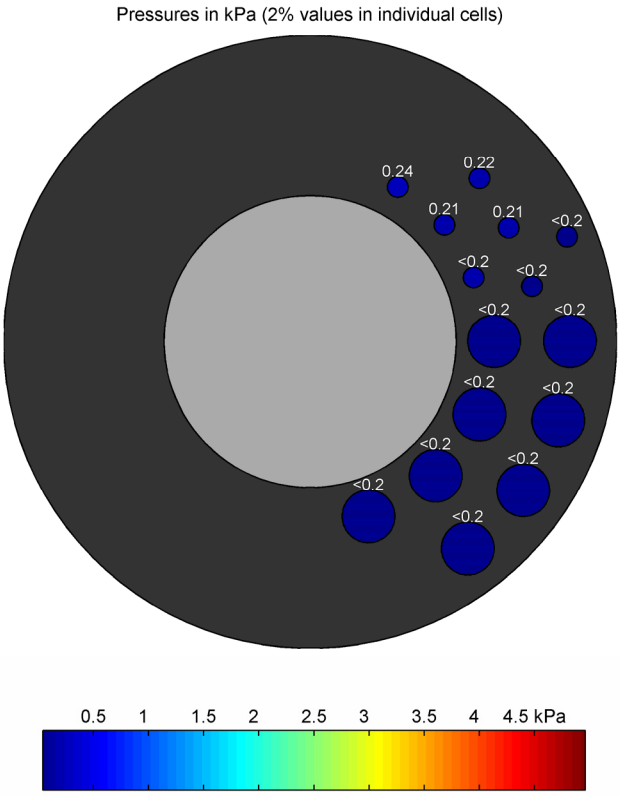
A.21 Test 55 ($h/D = 2$, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

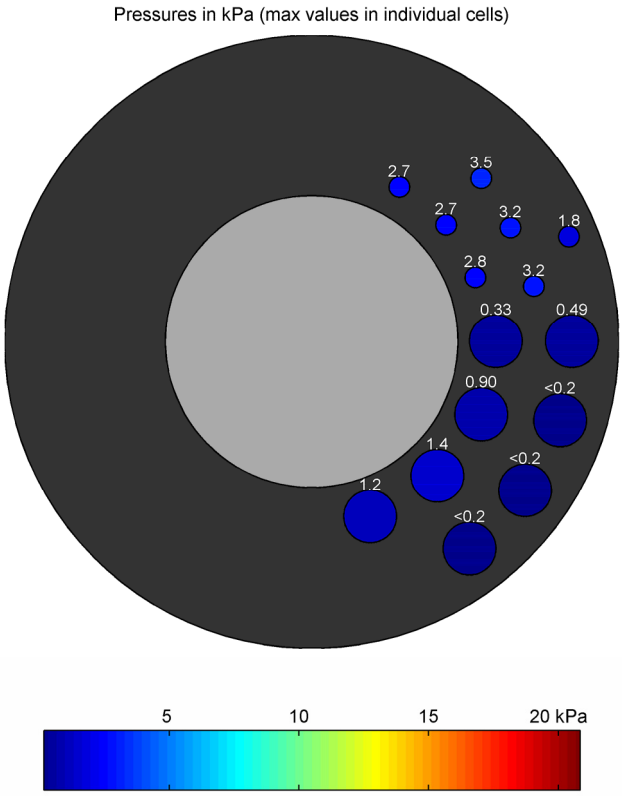
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test117.dat	RunUp_Test_005.dat	Pressure_HorizPlatform_055.dat	0.135	0.2	0.070	1.13	0.067	0.087	0.098

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

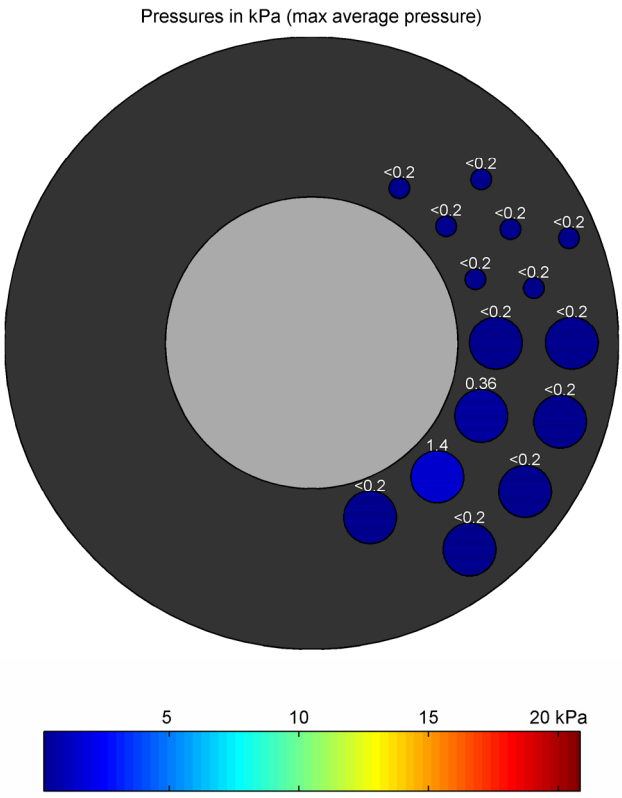
	2%	0.5%	0.1% (max)
Ru [m]	0.097	0.122	0.145
P1 [kPa]	0.00	0.00	0.33
P2 [kPa]	0.00	0.00	0.90
P3 [kPa]	0.00	0.00	1.40
P4 [kPa]	0.00	0.00	1.18
P5 [kPa]	0.00	0.00	0.49
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.00	0.00
P10 [kPa]	0.16	1.57	2.81
P11 [kPa]	0.21	1.37	2.69
P12 [kPa]	0.24	1.34	2.74
P13 [kPa]	0.00	2.00	3.17
P14 [kPa]	0.21	1.64	3.16
P15 [kPa]	0.22	1.87	3.52
P17 [kPa]	0.00	0.79	1.77
Max. Pressure [kPa]	0.24	2.00	3.52
Cs (max pressure)			34.5





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.145
P1 [kPa]	0.07
P2 [kPa]	0.36
P3 [kPa]	1.40
P4 [kPa]	0.00
P5 [kPa]	0.10
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.05
P10 [kPa]	0.00
P11 [kPa]	0.00
P12 [kPa]	0.00
P13 [kPa]	0.07
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.03
Mean. Pressure over P1 to P8 [kPa]	0.23
Cs (average pressure)	2.3



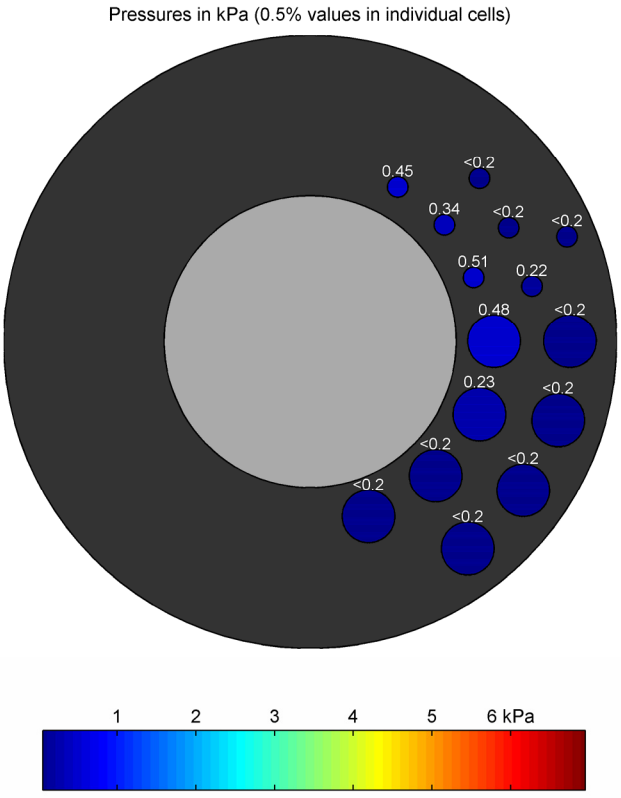
A.22 Test 56 (h/D = 2, $H_{m0}/h = 0.40$, $s_{0p} = 0.035$)

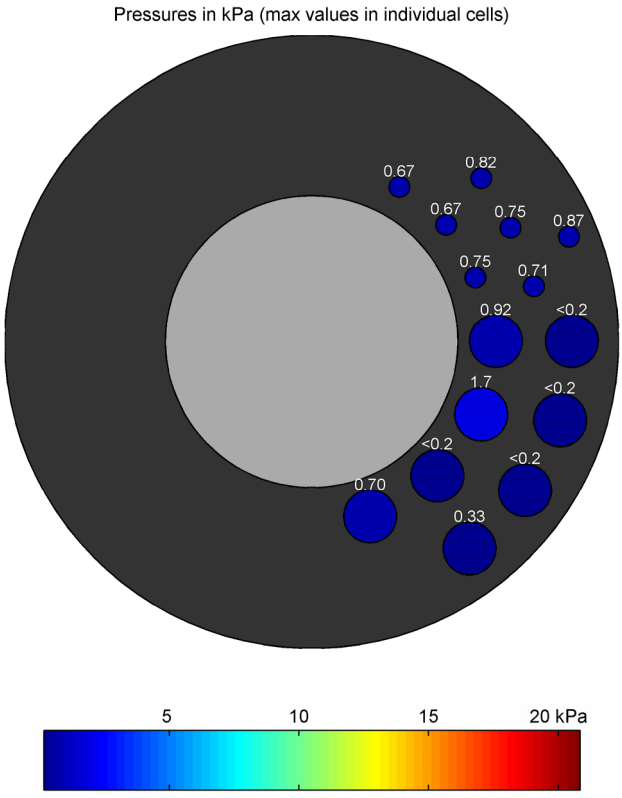
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test118.dat	RunUp_Test_006.dat	Pressure_HorizPlatform_056.dat	0.135	0.2	0.079	1.21	0.076	0.095	0.105

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

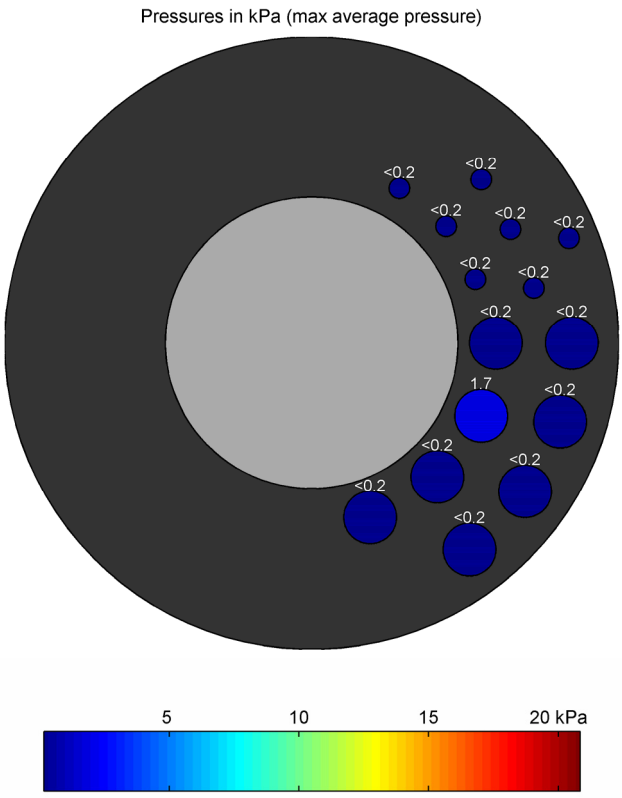
	2%	0.5%	0.1% (max)
Ru [m]	0.122	0.144	0.160
P1 [kPa]	0.00	0.48	0.92
P2 [kPa]	0.00	0.23	1.69
P3 [kPa]	0.00	0.00	0.00
P4 [kPa]	0.00	0.00	0.70
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.00	0.33
P10 [kPa]	0.00	0.51	0.75
P11 [kPa]	0.00	0.34	0.67
P12 [kPa]	0.00	0.45	0.67
P13 [kPa]	0.00	0.22	0.71
P14 [kPa]	0.00	0.00	0.75
P15 [kPa]	0.00	0.00	0.82
P17 [kPa]	0.00	0.00	0.87
Max. Pressure [kPa]	0.00	0.51	1.69
Cs (max pressure)		6.0	7.0





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.160
P1 [kPa]	0.09
P2 [kPa]	1.69
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.01
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.05
P12 [kPa]	0.00
P13 [kPa]	0.03
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	0.21
Cs (average pressure)	0.9



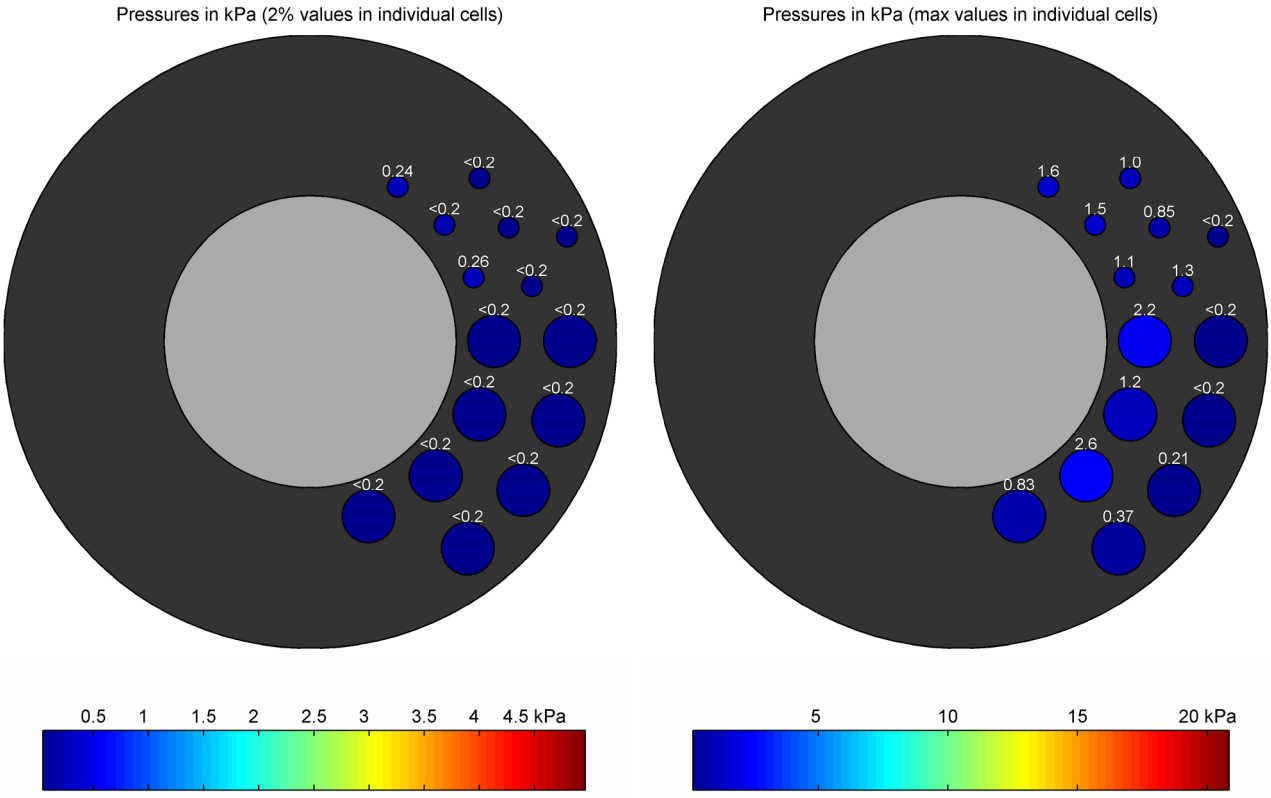
A.23 Test 57 ($h/D = 2$, $H_{m0}/h = 0.43$, $s_{0p} = 0.035$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test119.dat	RunUp_Test_007.dat	Pressure_HorizPlatform_057.dat	0.135	0.2	0.086	1.25	0.082	0.100	0.115

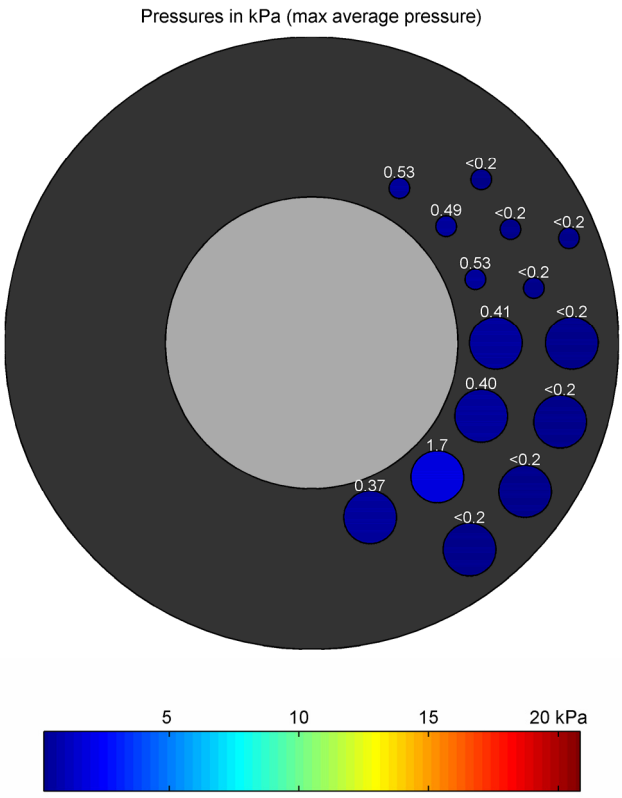
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.133	0.149	0.168
P1 [kPa]	0.00	0.79	2.20
P2 [kPa]	0.00	0.41	1.23
P3 [kPa]	0.00	0.00	2.57
P4 [kPa]	0.00	0.38	0.83
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.21
P8 [kPa]	0.00	0.00	0.37
P10 [kPa]	0.26	0.61	1.13
P11 [kPa]	0.18	0.54	1.55
P12 [kPa]	0.24	0.51	1.59
P13 [kPa]	0.00	0.32	1.30
P14 [kPa]	0.00	0.30	0.85
P15 [kPa]	0.00	0.30	1.00
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.26	0.79	2.57
Cs (max pressure)		5.9	8.0



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.168
P1 [kPa]	0.41
P2 [kPa]	0.40
P3 [kPa]	1.67
P4 [kPa]	0.37
P5 [kPa]	0.03
P6 [kPa]	0.04
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	0.53
P11 [kPa]	0.49
P12 [kPa]	0.53
P13 [kPa]	0.00
P14 [kPa]	0.05
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	0.37
Cs (average pressure)	1.1



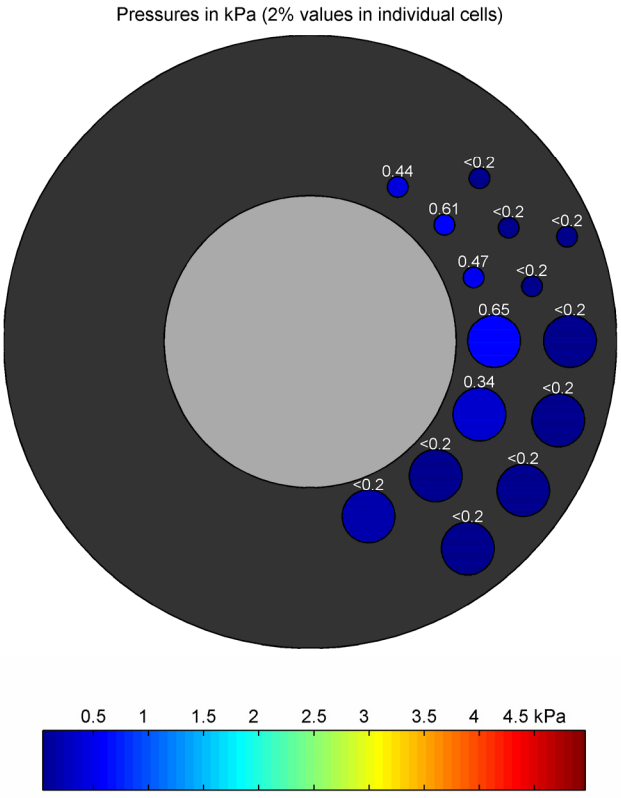
A.24 Test 58 ($h/D = 2$, $H_{m0}/h = 0.46$, $s_{0p} = 0.035$)

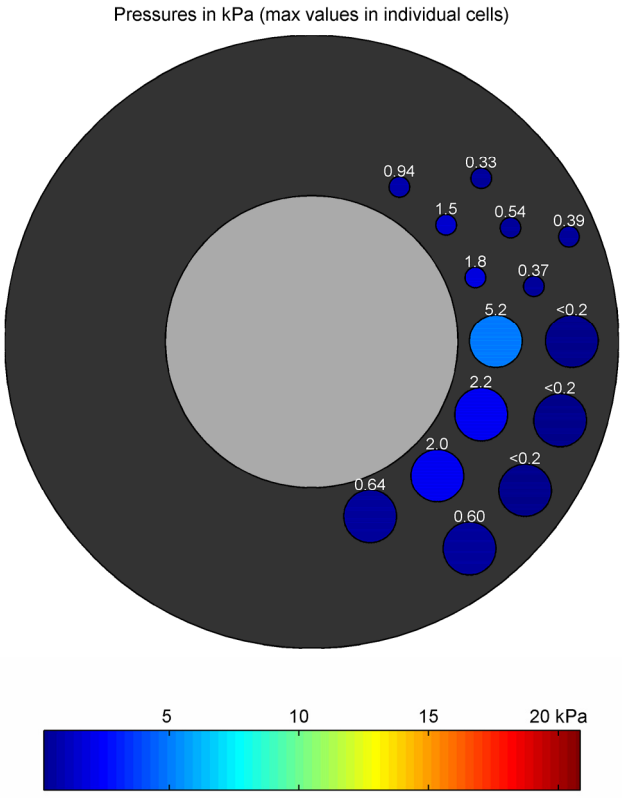
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test120.dat	RunUp_Test_008.dat	Pressure_HorizPlatform_058.dat	0.135	0.2	0.092	1.30	0.089	0.103	0.125

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

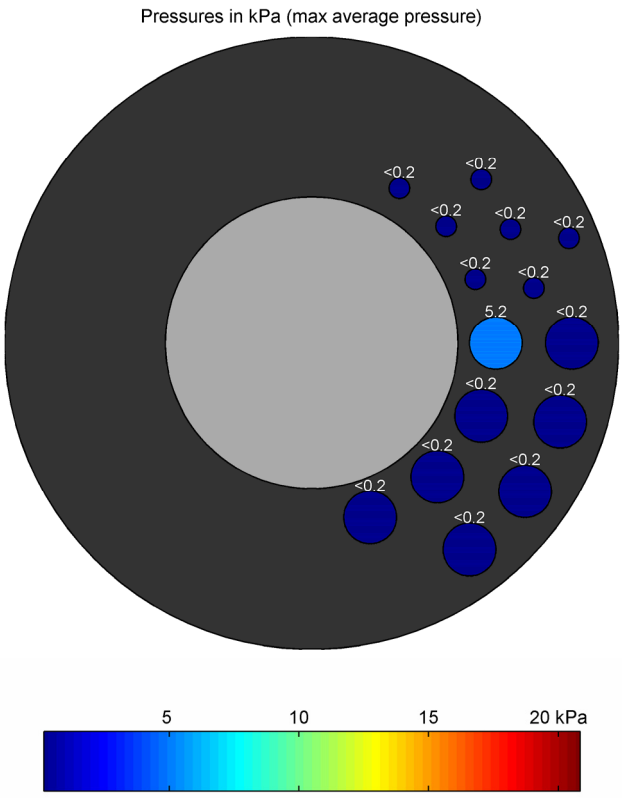
	2%	0.5%	0.1% (max)
Ru [m]	0.144	0.159	0.185
P1 [kPa]	0.65	1.31	5.22
P2 [kPa]	0.34	1.07	2.18
P3 [kPa]	0.00	0.39	2.01
P4 [kPa]	0.17	0.59	0.64
P5 [kPa]	0.00	0.00	0.18
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.00	0.60
P10 [kPa]	0.47	1.17	1.82
P11 [kPa]	0.61	0.83	1.53
P12 [kPa]	0.44	0.66	0.94
P13 [kPa]	0.00	0.00	0.37
P14 [kPa]	0.00	0.17	0.54
P15 [kPa]	0.00	0.00	0.33
P17 [kPa]	0.00	0.36	0.39
Max. Pressure [kPa]	0.65	1.31	5.22
Cs (max pressure)	7.1	5.6	10.7





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.185
P1 [kPa]	5.22
P2 [kPa]	0.07
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.00
P12 [kPa]	0.00
P13 [kPa]	0.01
P14 [kPa]	0.00
P15 [kPa]	0.00
P17 [kPa]	0.00
Mean. Pressure over P1 to P8 [kPa]	0.64
Cs (average pressure)	1.3



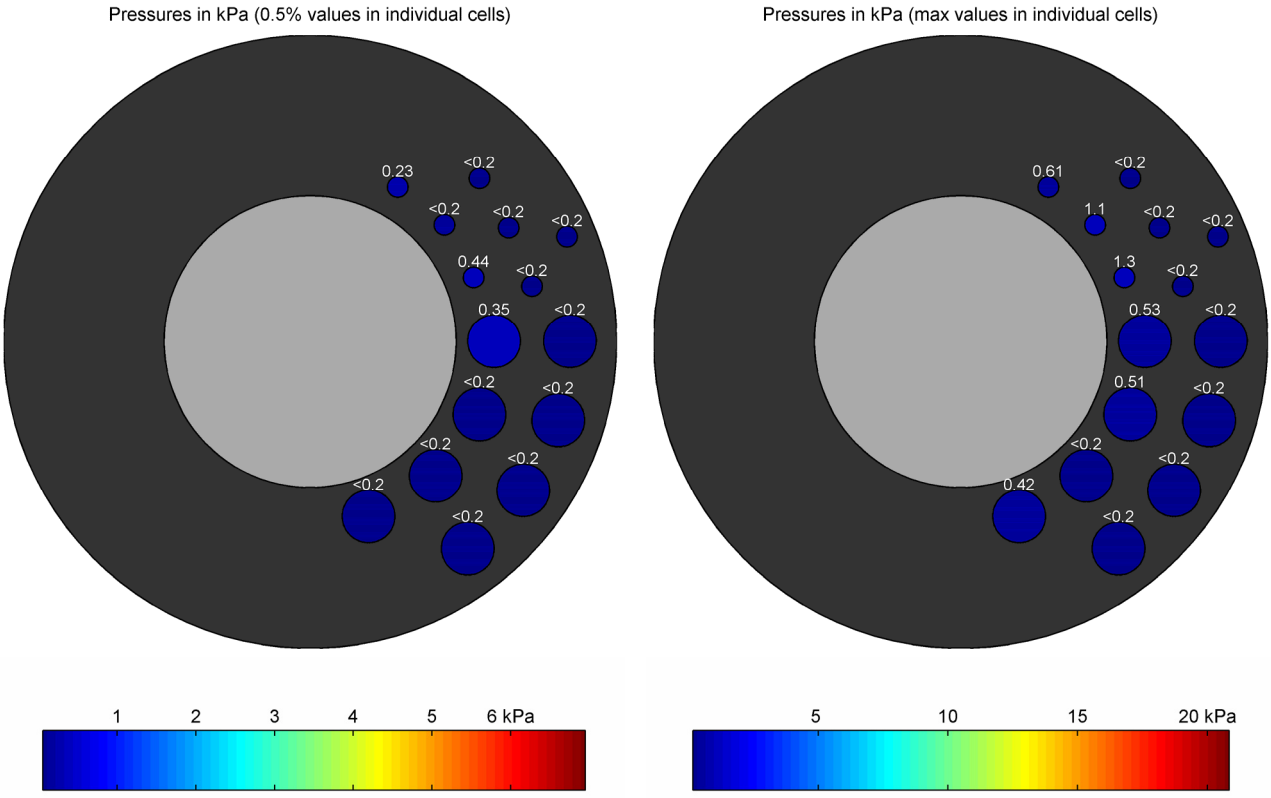
A.25 Test 68 ($h/D = 2$, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test117.dat	RunUp_Test_005.dat	Pressure_HorizPlatform_068.dat	0.110	0.2	0.070	1.13	0.067	0.087	0.098

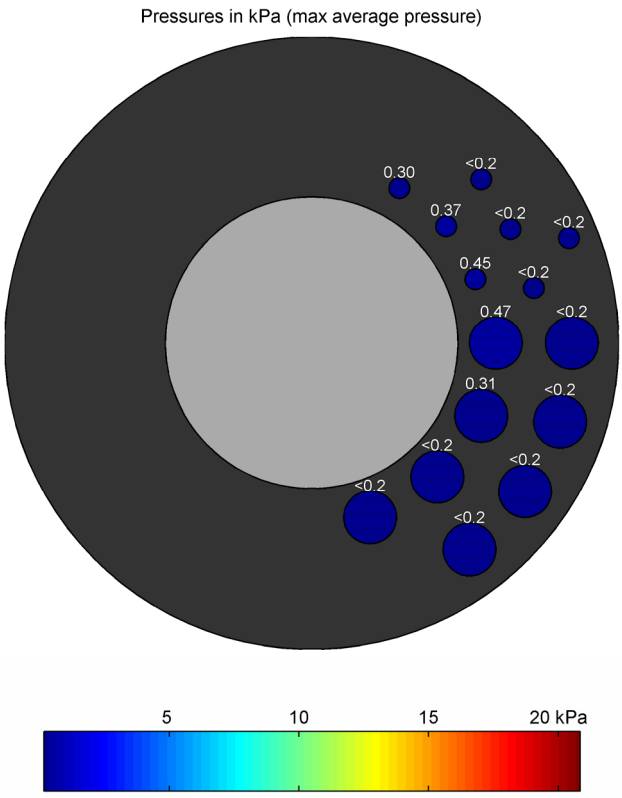
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.097	0.122	0.145
P1 [kPa]	0.00	0.35	0.53
P2 [kPa]	0.00	0.00	0.51
P3 [kPa]	0.00	0.00	0.00
P4 [kPa]	0.00	0.00	0.42
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.00	0.00
P10 [kPa]	0.00	0.44	1.31
P11 [kPa]	0.00	0.16	1.13
P12 [kPa]	0.00	0.23	0.61
P13 [kPa]	0.00	0.00	0.00
P14 [kPa]	0.00	0.00	0.00
P15 [kPa]	0.00	0.00	0.00
P17 [kPa]	0.00	0.00	0.00
Max. Pressure [kPa]	0.00	0.44	1.31
Cs (max pressure)		3.6	3.8



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.145
P1 [kPa]	0.47
P2 [kPa]	0.31
P3 [kPa]	0.01
P4 [kPa]	0.07
P5 [kPa]	0.05
P6 [kPa]	0.05
P7 [kPa]	0.03
P8 [kPa]	0.03
P10 [kPa]	0.45
P11 [kPa]	0.37
P12 [kPa]	0.30
P13 [kPa]	0.00
P14 [kPa]	0.10
P15 [kPa]	0.00
P17 [kPa]	0.03
Mean. Pressure over P1 to P8 [kPa]	0.13
Cs (average pressure)	0.4



Appendix B: Cone Platform & Irregular Waves

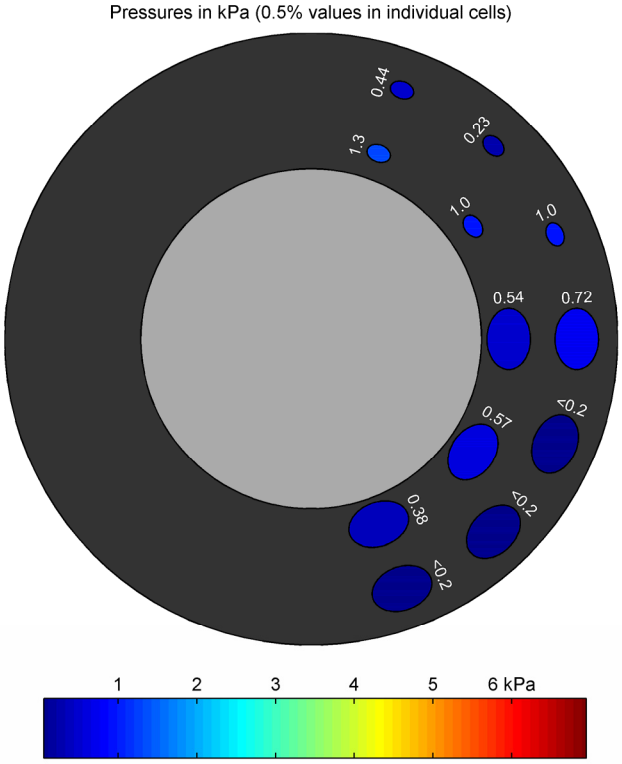
B.1 Test 1 (h/D = 4, $H_{m0}/h = 0.35$, $s_{0p} = 0.020$)

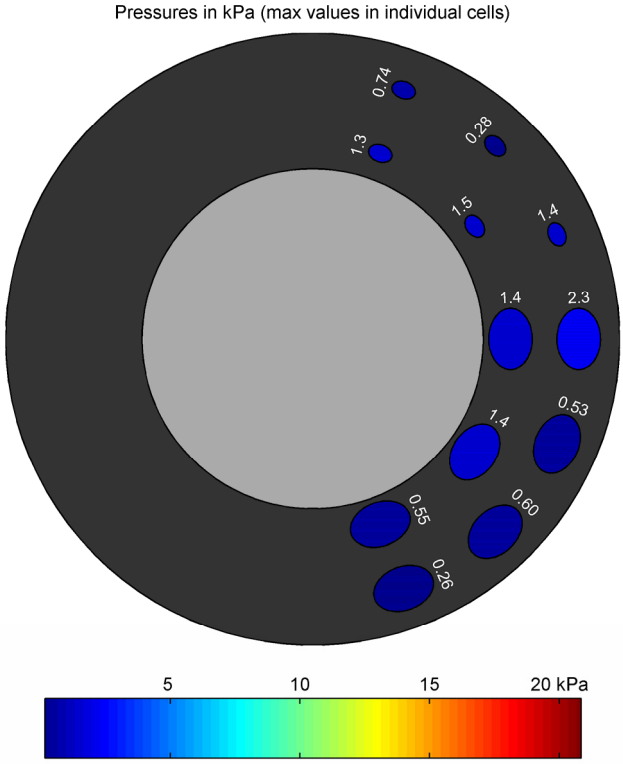
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test098.dat	RunUp_Test_017.dat	Pressure_ConePlatform_001.dat	0.27	0.4	0.139	2.12	0.134	0.173	0.205

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

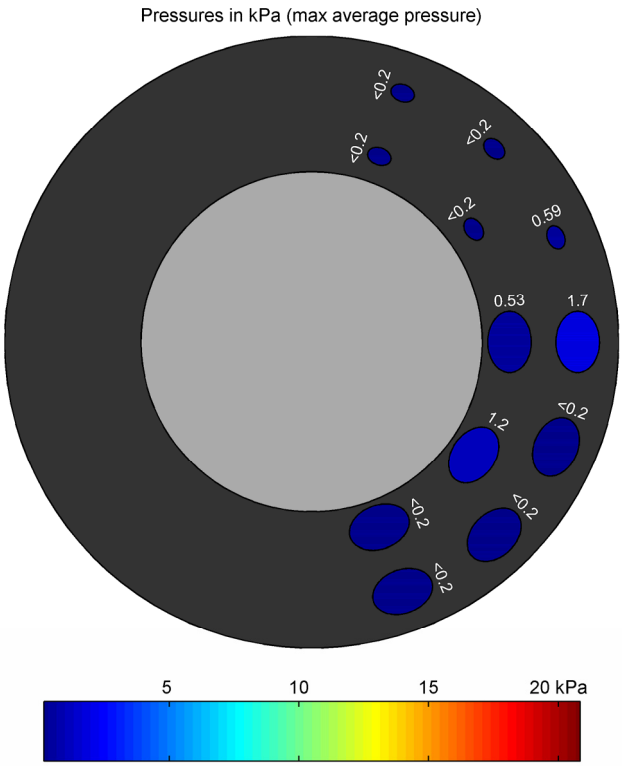
	2%	0.5%	0.1% (max)
Ru [m]	0.212	0.257	0.283
P1 [kPa]	0.00	0.54	1.36
P2 [kPa]	0.00	0.57	1.39
P3 [kPa]	0.00	0.38	0.55
P4 [kPa]	0.00	0.72	2.29
P5 [kPa]	0.00	0.00	0.53
P6 [kPa]	0.00	0.00	0.60
P7 [kPa]	0.00	0.00	0.26
P8 [kPa]	0.00	1.01	1.47
P9 [kPa]	0.22	1.33	1.33
P10 [kPa]	0.16	1.03	1.40
P11 [kPa]	0.00	0.23	0.29
P12 [kPa]	0.00	0.44	0.74
Max. Pressure [kPa]	0.22	1.33	2.29
Cs (max pressure)			18.1





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.283
P1 [kPa]	0.53
P2 [kPa]	1.22
P3 [kPa]	0.00
P4 [kPa]	1.66
P5 [kPa]	0.15
P6 [kPa]	0.10
P7 [kPa]	0.00
P8 [kPa]	0.07
P9 [kPa]	0.00
P10 [kPa]	0.59
P11 [kPa]	0.00
P12 [kPa]	0.14
Mean. Pressure over P1 to P7 [kPa]	0.51
Cs (average pressure)	4.0



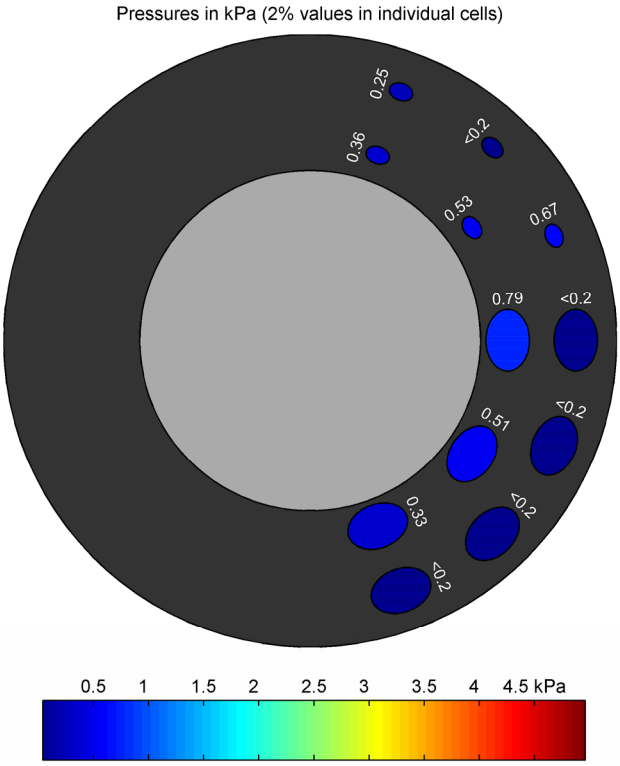
B.2 Test 2 (h/D = 4, $H_{m0}/h = 0.40$, $s_{0p} = 0.020$)

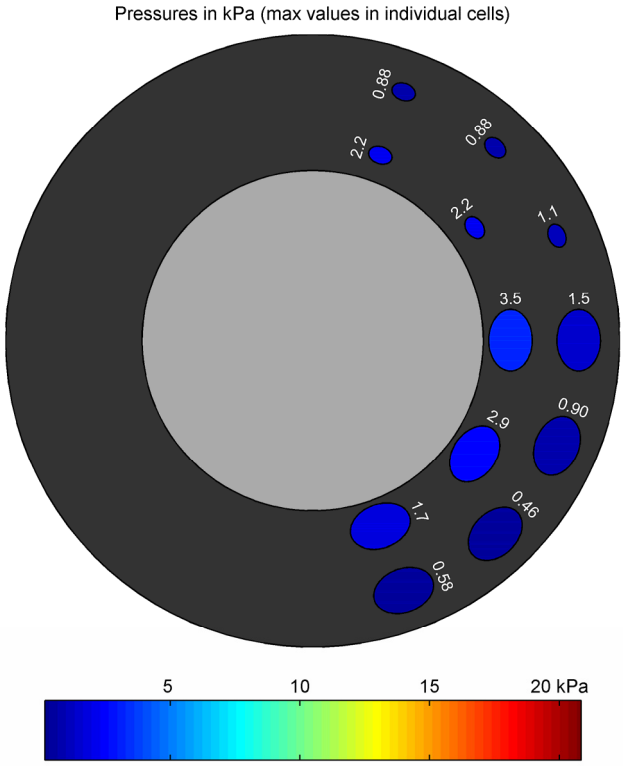
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test099.dat	RunUp_Test_018.dat	Pressure_ConePlatform_002.dat	0.27	0.4	0.159	2.26	0.150	0.185	0.210

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

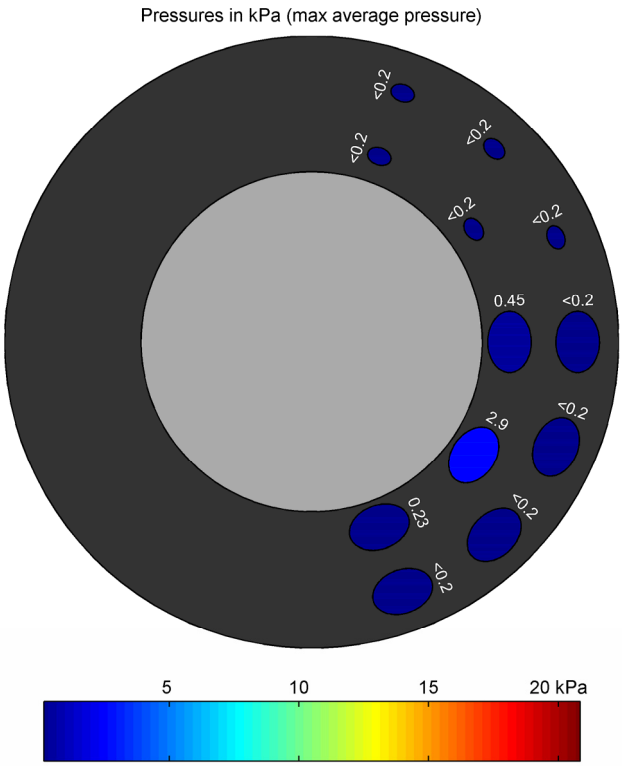
	2%	0.5%	0.1% (max)
Ru [m]	0.255	0.292	0.331
P1 [kPa]	0.79	1.74	3.45
P2 [kPa]	0.51	1.36	2.88
P3 [kPa]	0.33	0.95	1.72
P4 [kPa]	0.00	0.22	1.53
P5 [kPa]	0.00	0.20	0.90
P6 [kPa]	0.00	0.21	0.46
P7 [kPa]	0.00	0.00	0.58
P8 [kPa]	0.53	1.31	2.17
P9 [kPa]	0.36	0.77	2.21
P10 [kPa]	0.67	0.91	1.11
P11 [kPa]	0.00	0.33	0.88
P12 [kPa]	0.25	0.42	0.88
Max. Pressure [kPa]	0.79	1.74	3.45
Cs (max pressure)		8.0	5.8





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.331
P1 [kPa]	0.45
P2 [kPa]	2.88
P3 [kPa]	0.23
P4 [kPa]	0.01
P5 [kPa]	0.02
P6 [kPa]	0.04
P7 [kPa]	0.00
P8 [kPa]	0.13
P9 [kPa]	0.02
P10 [kPa]	0.09
P11 [kPa]	0.07
P12 [kPa]	0.01
Mean. Pressure over P1 to P7 [kPa]	0.51
Cs (average pressure)	0.9



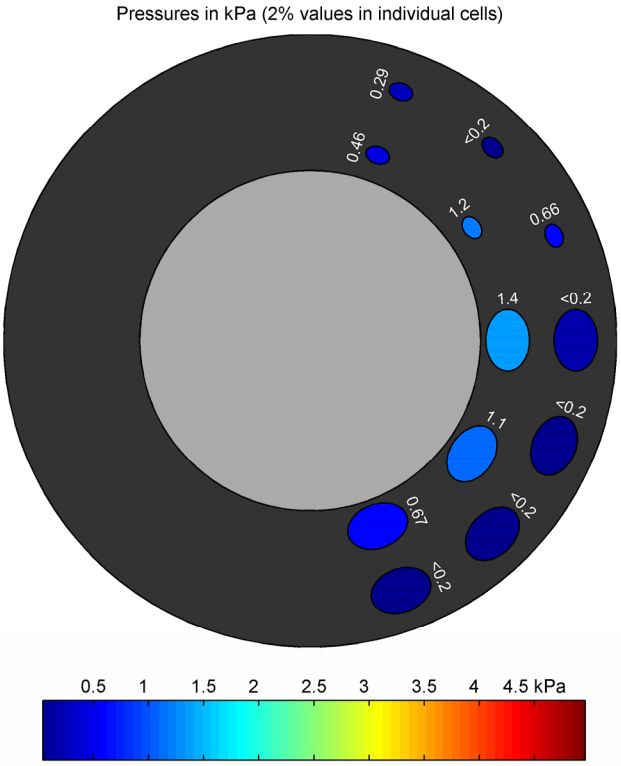
B.3 Test 3 (h/D = 4, $H_{m0}/h = 0.43$, $s_{0p} = 0.020$)

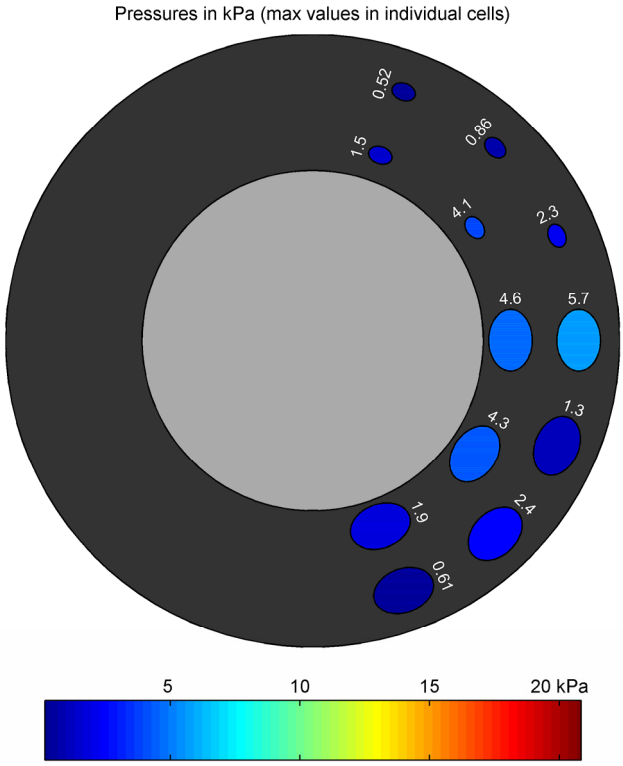
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test100.dat	RunUp_Test_019.dat	Pressure_ConePlatform_003.dat	0.27	0.4	0.172	2.35	0.163	0.200	0.227

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

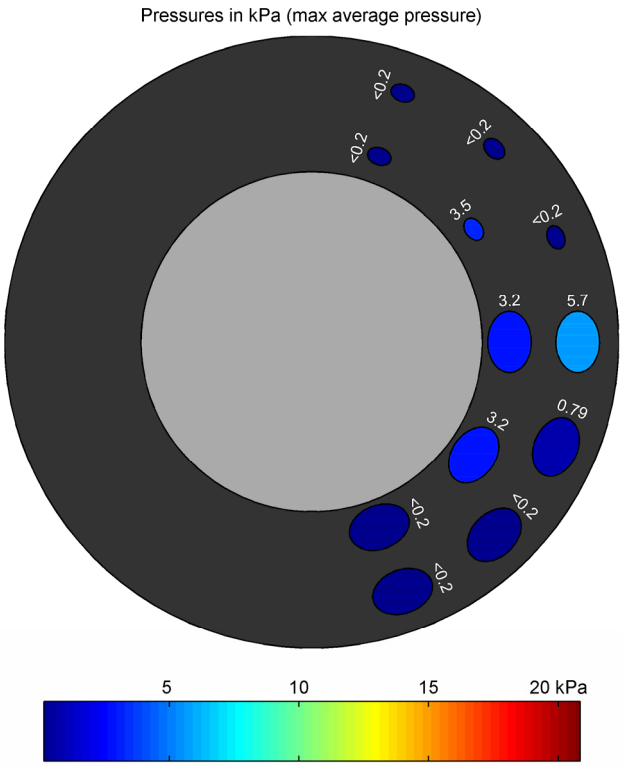
	2%	0.5%	0.1% (max)
Ru [m]	0.296	0.342	0.409
P1 [kPa]	1.38	2.90	4.65
P2 [kPa]	1.12	2.74	4.29
P3 [kPa]	0.67	1.47	1.92
P4 [kPa]	0.17	0.35	5.71
P5 [kPa]	0.00	0.43	1.25
P6 [kPa]	0.00	0.43	2.36
P7 [kPa]	0.00	0.19	0.61
P8 [kPa]	1.22	2.07	4.06
P9 [kPa]	0.46	0.77	1.52
P10 [kPa]	0.66	1.21	2.26
P11 [kPa]	0.00	0.41	0.86
P12 [kPa]	0.29	0.44	0.52
Max. Pressure [kPa]	1.38	2.90	5.71
Cs (max pressure)	5.5	4.1	4.2





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.409
P1 [kPa]	3.17
P2 [kPa]	3.24
P3 [kPa]	0.00
P4 [kPa]	5.71
P5 [kPa]	0.79
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	3.45
P9 [kPa]	0.01
P10 [kPa]	0.00
P11 [kPa]	0.06
P12 [kPa]	0.01
Mean. Pressure over P1 to P7 [kPa]	1.77
Cs (average pressure)	1.3



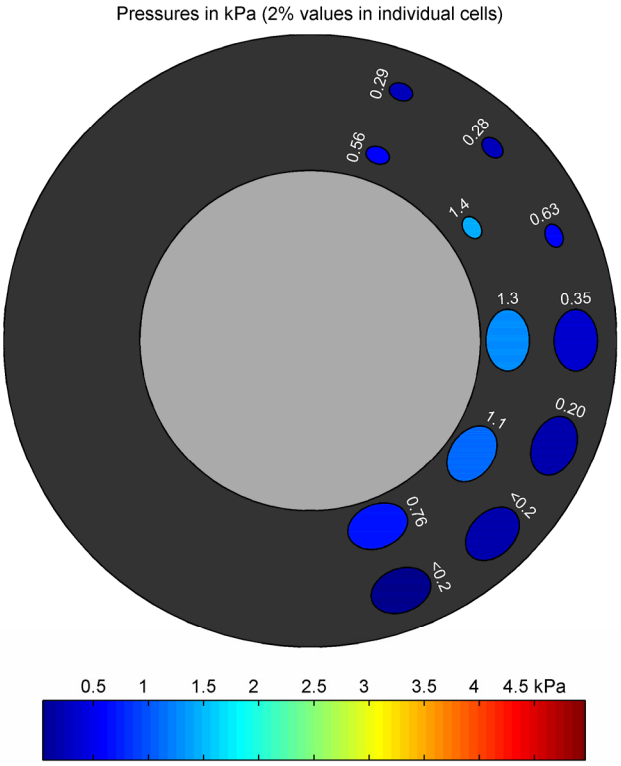
B.4 Test 4 (h/D = 4, $H_{m0}/h = 0.44$, $s_{0p} = 0.020$)

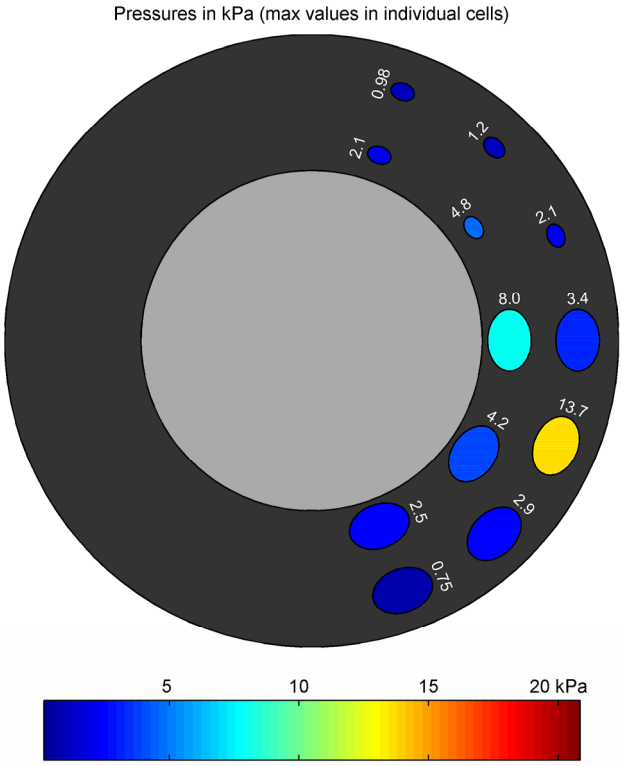
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test101.dat	RunUp_Test_020.dat	Pressure_ConePlatform_004.dat	0.27	0.4	0.176	2.43	0.162	0.196	0.224

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

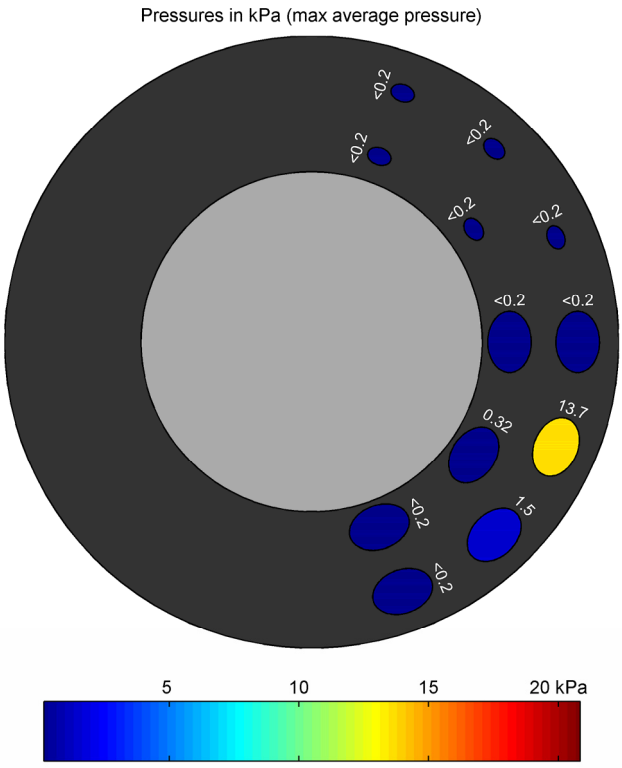
	2%	0.5%	0.1% (max)
Ru [m]	0.302	0.349	0.444
P1 [kPa]	1.26	3.38	7.98
P2 [kPa]	1.13	2.63	4.18
P3 [kPa]	0.76	1.16	2.50
P4 [kPa]	0.35	0.89	3.44
P5 [kPa]	0.20	1.24	13.65
P6 [kPa]	0.16	0.40	2.94
P7 [kPa]	0.00	0.59	0.75
P8 [kPa]	1.44	2.59	4.84
P9 [kPa]	0.56	2.15	2.15
P10 [kPa]	0.63	1.04	2.12
P11 [kPa]	0.28	0.64	1.17
P12 [kPa]	0.29	0.46	0.98
Max. Pressure [kPa]	1.44	3.38	13.65
Cs (max pressure)	4.5	4.4	8.0





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.444
P1 [kPa]	0.00
P2 [kPa]	0.32
P3 [kPa]	0.02
P4 [kPa]	0.00
P5 [kPa]	13.65
P6 [kPa]	1.53
P7 [kPa]	0.00
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.03
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	2.20
Cs (average pressure)	1.3



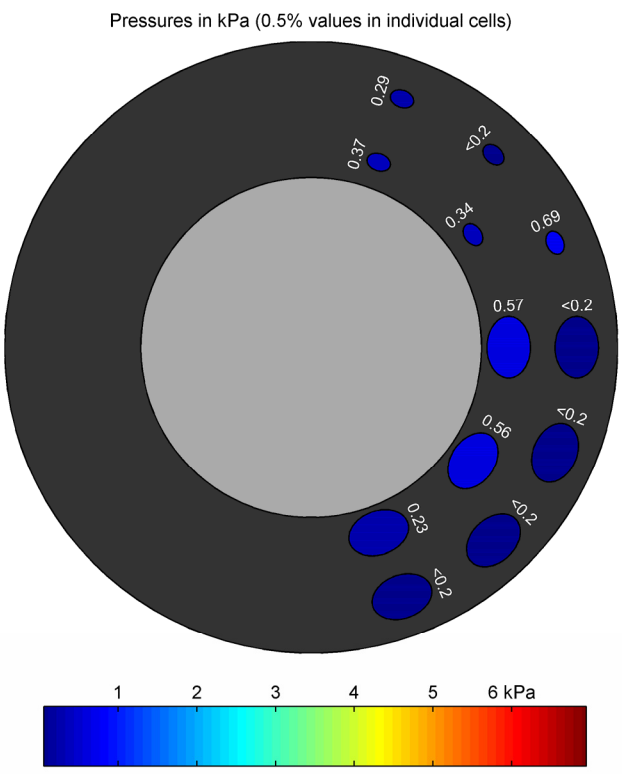
B.5 Test 5 (h/D = 4, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

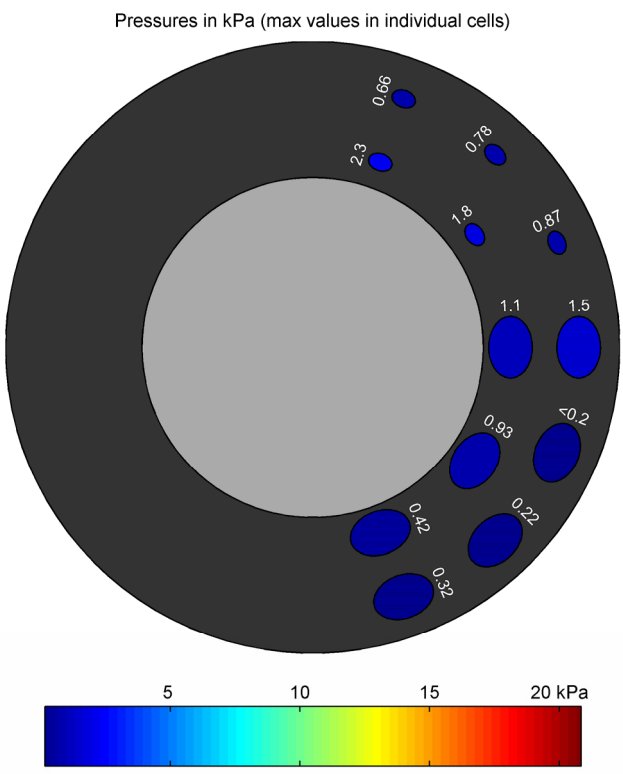
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test105.dat	RunUp_Test_021.dat	Pressure_ConePlatform_005.dat	0.27	0.4	0.139	1.60	0.134	0.171	0.210

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

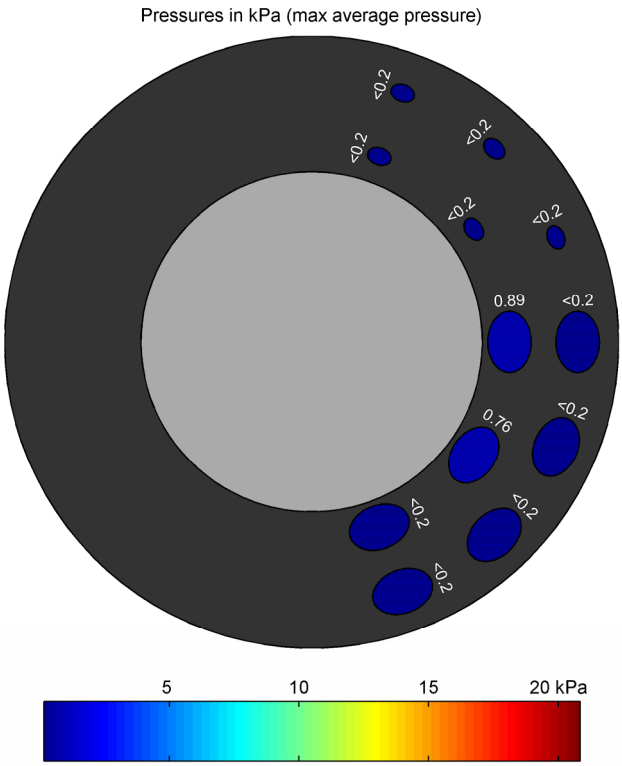
	2%	0.5%	0.1% (max)
Ru [m]	0.210	0.239	0.254
P1 [kPa]	0.00	0.57	1.14
P2 [kPa]	0.00	0.56	0.93
P3 [kPa]	0.00	0.23	0.42
P4 [kPa]	0.00	0.00	1.54
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.22
P7 [kPa]	0.00	0.00	0.32
P8 [kPa]	0.00	0.34	1.83
P9 [kPa]	0.00	0.37	2.29
P10 [kPa]	0.18	0.69	0.87
P11 [kPa]	0.00	0.00	0.78
P12 [kPa]	0.00	0.29	0.66
Max. Pressure [kPa]	0.18	0.69	2.29
Cs (max pressure)			





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.254
P1 [kPa]	0.89
P2 [kPa]	0.76
P3 [kPa]	0.00
P4 [kPa]	0.02
P5 [kPa]	0.03
P6 [kPa]	0.00
P7 [kPa]	0.01
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.00
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.24
Cs (average pressure)	



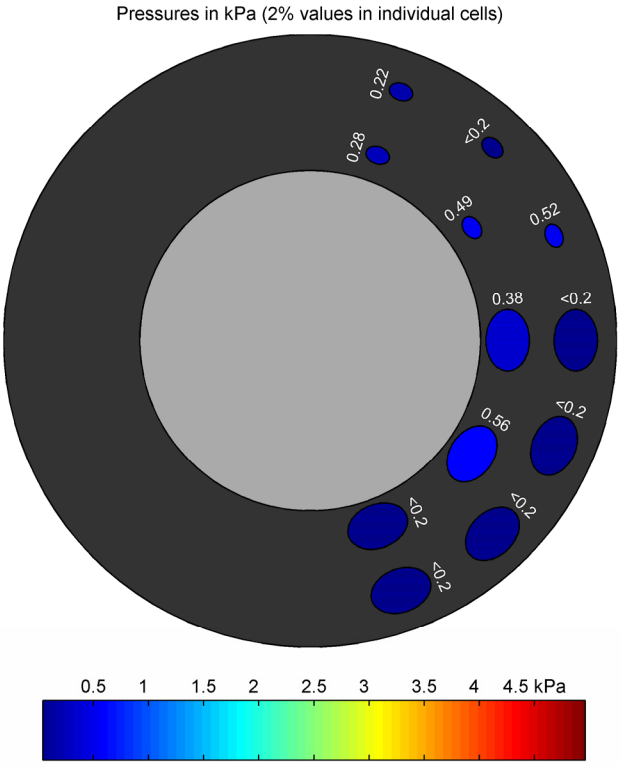
B.6 Test 6 (h/D = 4, $H_{m0}/h = 0.40$, $s_{0p} = 0.035$)

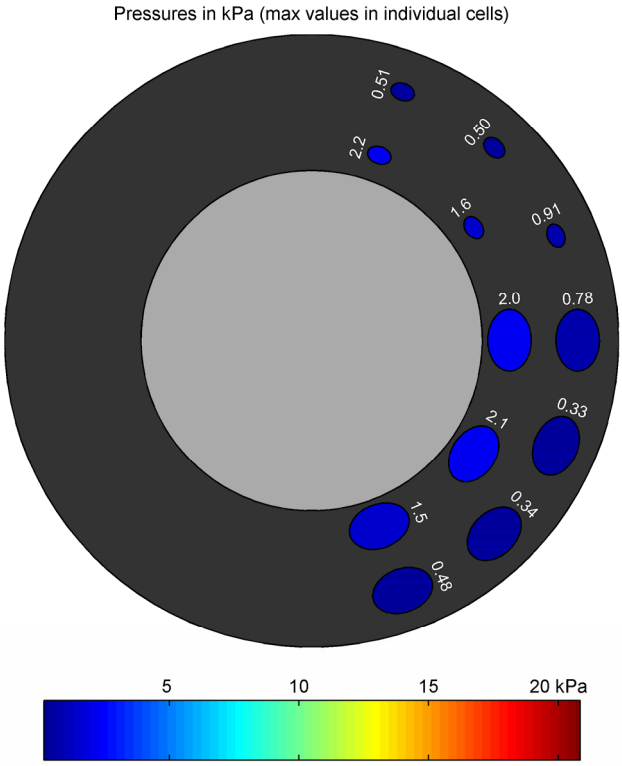
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test108.dat	RunUp_Test_022.dat	Pressure_ConePlatform_006.dat	0.27	0.4	0.160	1.71	0.152	0.186	0.211

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

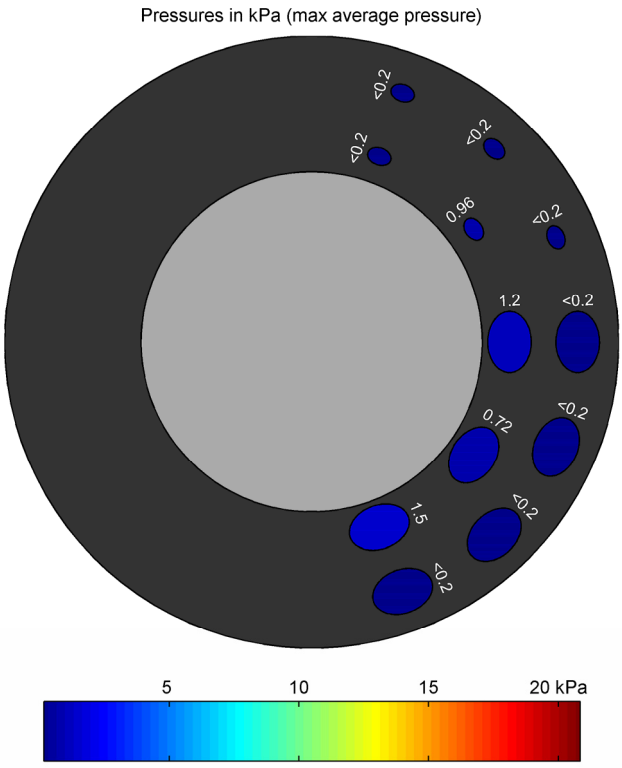
	2%	0.5%	0.1% (max)
Ru [m]	0.231	0.260	0.276
P1 [kPa]	0.38	0.93	2.05
P2 [kPa]	0.56	0.93	2.09
P3 [kPa]	0.00	0.55	1.54
P4 [kPa]	0.00	0.55	0.78
P5 [kPa]	0.00	0.00	0.33
P6 [kPa]	0.00	0.00	0.34
P7 [kPa]	0.00	0.48	0.48
P8 [kPa]	0.49	0.86	1.57
P9 [kPa]	0.28	2.22	2.23
P10 [kPa]	0.52	0.62	0.91
P11 [kPa]	0.00	0.00	0.50
P12 [kPa]	0.22	0.36	0.51
Max. Pressure [kPa]	0.56	2.22	2.23
Cs (max pressure)			36.6





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.276
P1 [kPa]	1.23
P2 [kPa]	0.72
P3 [kPa]	1.54
P4 [kPa]	0.03
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.96
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.09
P12 [kPa]	0.09
Mean. Pressure over P1 to P7 [kPa]	0.49
Cs (average pressure)	8.0



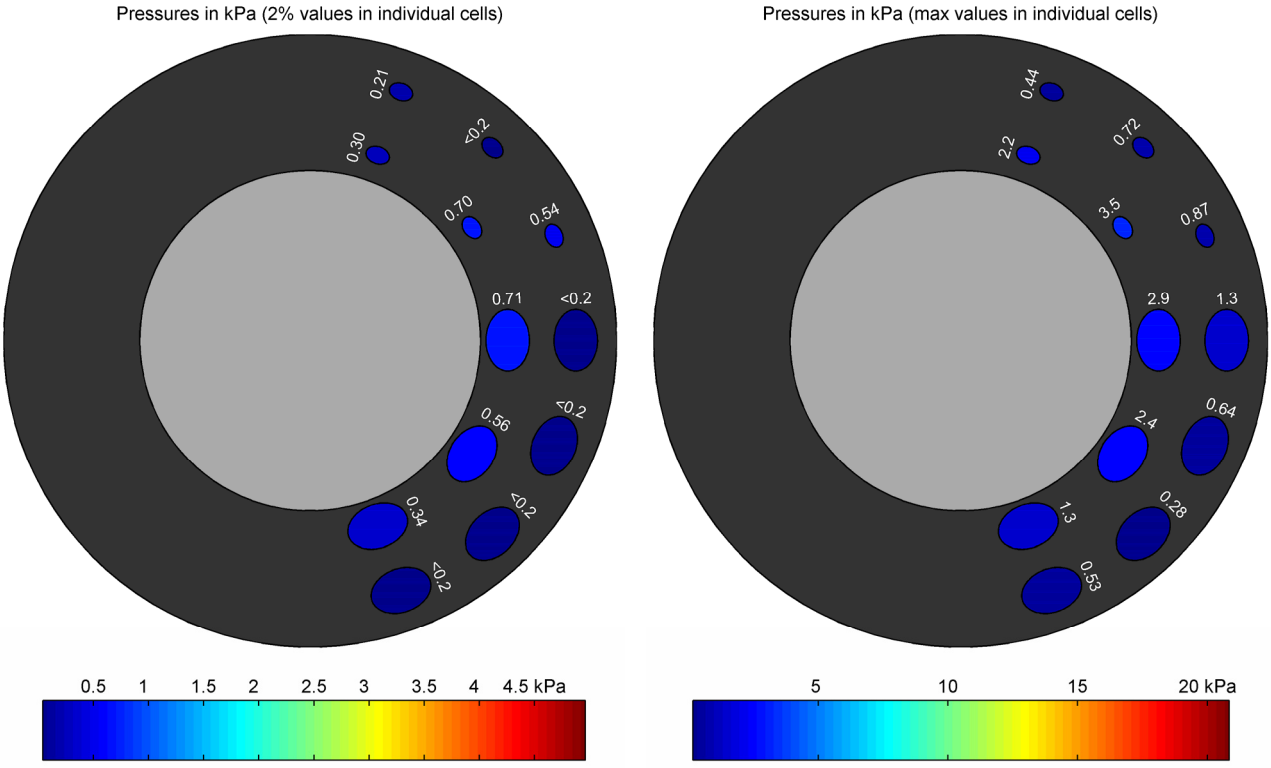
B.7 Test 7 (h/D = 4, $H_{m0}/h = 0.42$, $s_{0p} = 0.035$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test110.dat	RunUp_Test_023.dat	Pressure_ConePlatform_007.dat	0.27	0.4	0.169	1.77	0.156	0.187	0.219

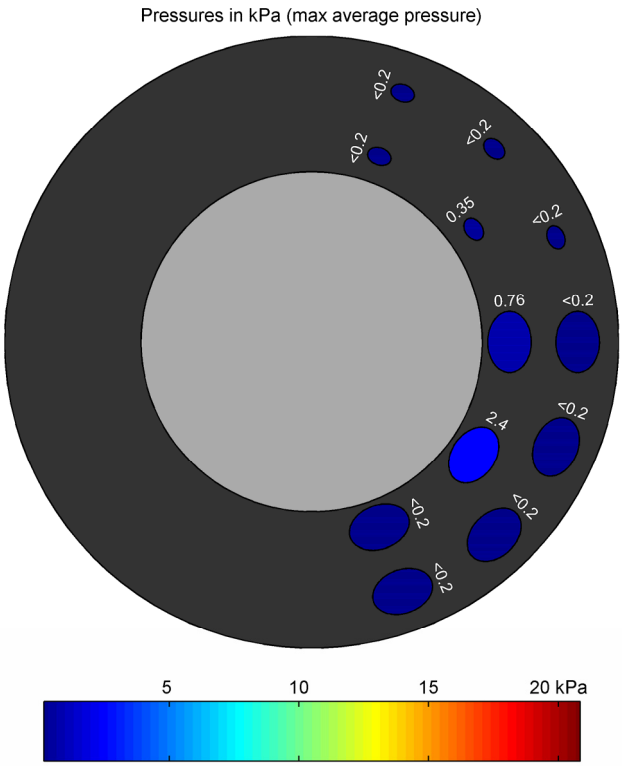
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.254	0.282	0.370
P1 [kPa]	0.71	1.89	2.88
P2 [kPa]	0.56	1.37	2.42
P3 [kPa]	0.34	0.96	1.35
P4 [kPa]	0.00	0.52	1.33
P5 [kPa]	0.00	0.17	0.64
P6 [kPa]	0.00	0.19	0.28
P7 [kPa]	0.00	0.20	0.53
P8 [kPa]	0.70	1.23	3.45
P9 [kPa]	0.30	1.15	2.18
P10 [kPa]	0.54	0.66	0.87
P11 [kPa]	0.00	0.33	0.72
P12 [kPa]	0.21	0.34	0.44
Max. Pressure [kPa]	0.71	1.89	3.45
Cs (max pressure)		16.3	3.5



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.370
P1 [kPa]	0.76
P2 [kPa]	2.42
P3 [kPa]	0.15
P4 [kPa]	0.03
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.35
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.06
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.47
Cs (average pressure)	0.5



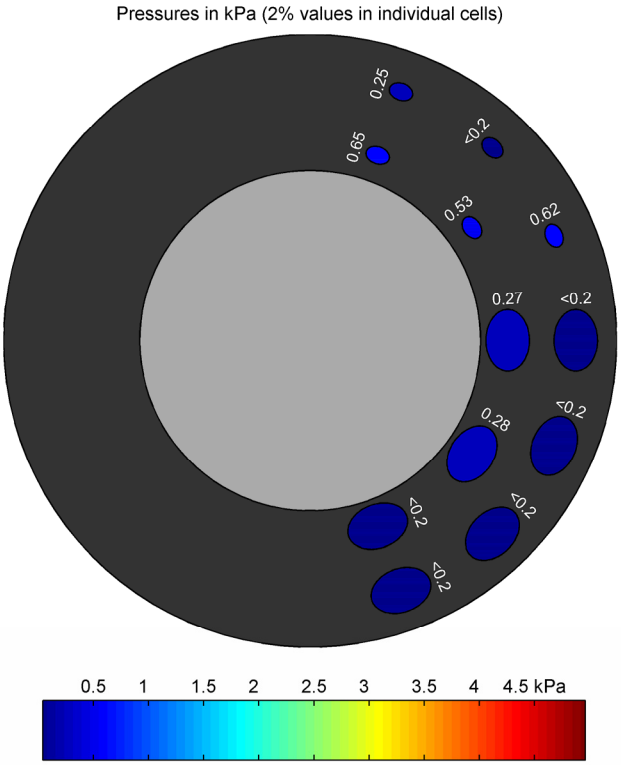
B.8 Test 24 (h/D = 4, H_{m0}/h = 0.35, s_{0p} = 0.020)

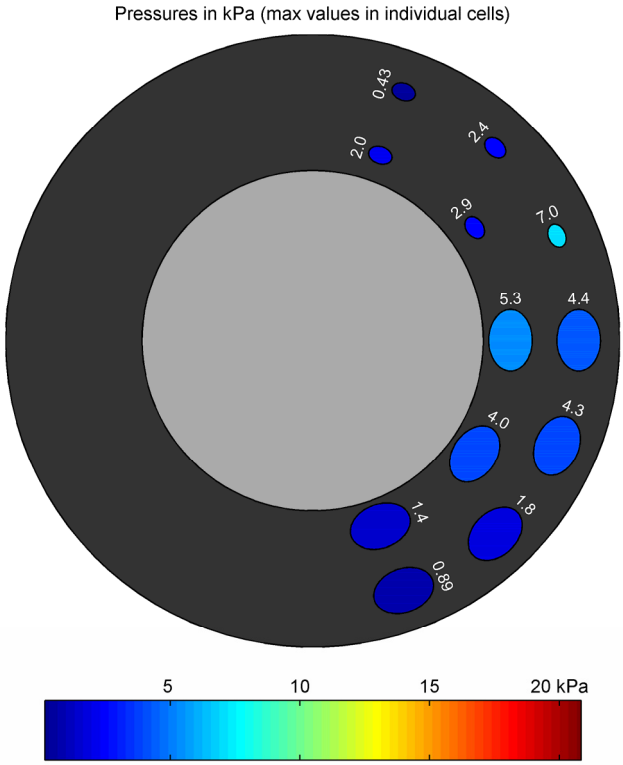
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test098.dat	RunUp_Test_017.dat	Pressure_ConePlatform_024.dat	0.22	0.4	0.139	2.12	0.134	0.173	0.205

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

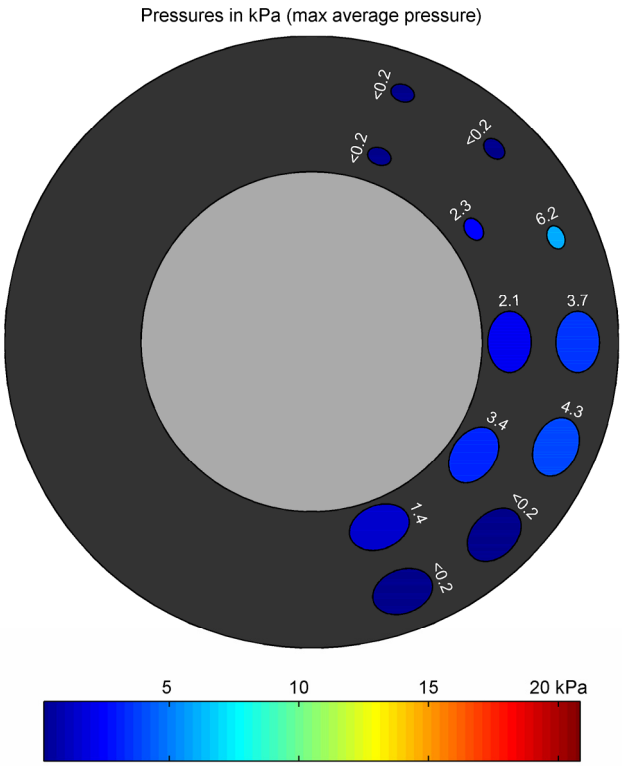
	2%	0.5%	0.1% (max)
Ru [m]	0.212	0.257	0.283
P1 [kPa]	0.27	1.55	5.30
P2 [kPa]	0.28	0.80	4.04
P3 [kPa]	0.00	0.48	1.43
P4 [kPa]	0.00	0.00	4.37
P5 [kPa]	0.00	0.00	4.26
P6 [kPa]	0.00	0.35	1.75
P7 [kPa]	0.00	0.00	0.89
P8 [kPa]	0.53	1.10	2.87
P9 [kPa]	0.65	0.72	1.99
P10 [kPa]	0.62	0.91	6.96
P11 [kPa]	0.00	0.33	2.41
P12 [kPa]	0.25	0.32	0.43
Max. Pressure [kPa]	0.65	1.55	6.96
Cs (max pressure)		4.3	11.3





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.283
P1 [kPa]	2.11
P2 [kPa]	3.45
P3 [kPa]	1.43
P4 [kPa]	3.75
P5 [kPa]	4.26
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	2.31
P9 [kPa]	0.00
P10 [kPa]	6.18
P11 [kPa]	0.10
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	2.11
Cs (average pressure)	3.4



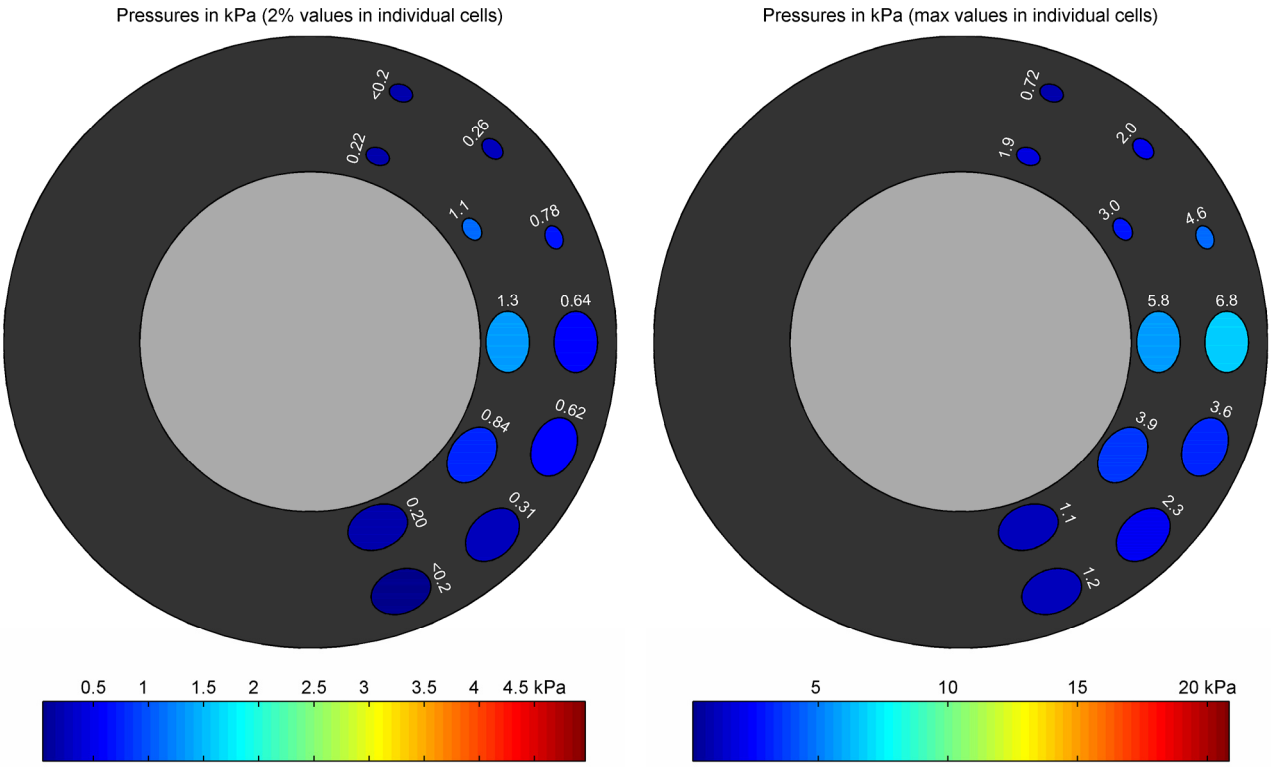
B.9 Test 32 (h/D = 4, $H_{m0}/h = 0.35$, $s_{0p} = 0.020$)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test098.dat	RunUp_Test_017.dat	Pressure_ConePlatform_032.dat	0.17	0.4	0.139	2.12	0.134	0.173	0.205

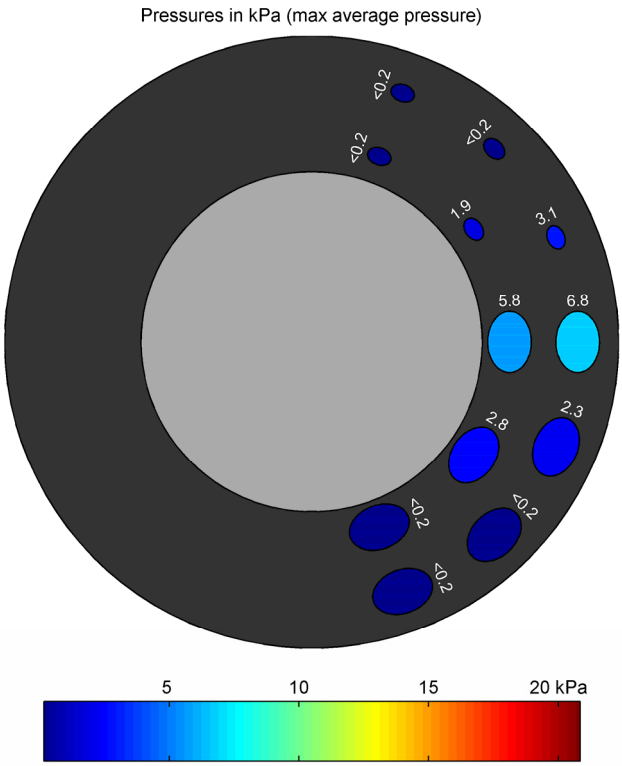
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.212	0.257	0.283
P1 [kPa]	1.34	3.43	5.77
P2 [kPa]	0.84	2.72	3.92
P3 [kPa]	0.20	0.69	1.13
P4 [kPa]	0.64	2.97	6.80
P5 [kPa]	0.62	1.91	3.61
P6 [kPa]	0.31	1.06	2.27
P7 [kPa]	0.00	0.46	1.22
P8 [kPa]	1.11	2.29	3.04
P9 [kPa]	0.22	0.57	1.93
P10 [kPa]	0.78	3.06	4.63
P11 [kPa]	0.26	1.34	2.02
P12 [kPa]	0.20	0.48	0.72
Max. Pressure [kPa]	1.34	3.43	6.80
Cs (max pressure)	3.2	4.0	6.1



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.283
P1 [kPa]	5.77
P2 [kPa]	2.78
P3 [kPa]	0.00
P4 [kPa]	6.80
P5 [kPa]	2.26
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	1.92
P9 [kPa]	0.00
P10 [kPa]	3.06
P11 [kPa]	0.03
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	2.50
Cs (average pressure)	2.3



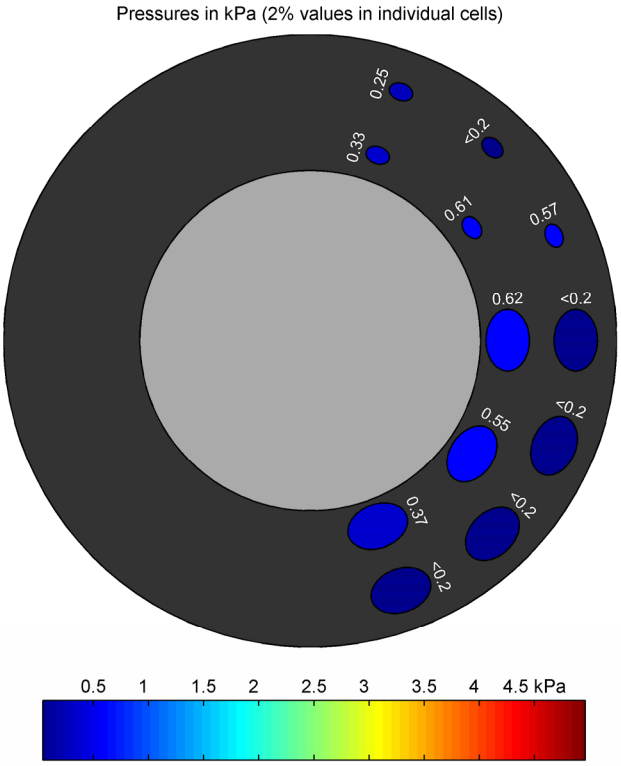
B.10 Test 39 (h/D = 3, $H_{m0}/h = 0.46$, $s_{0p} = 0.035$)

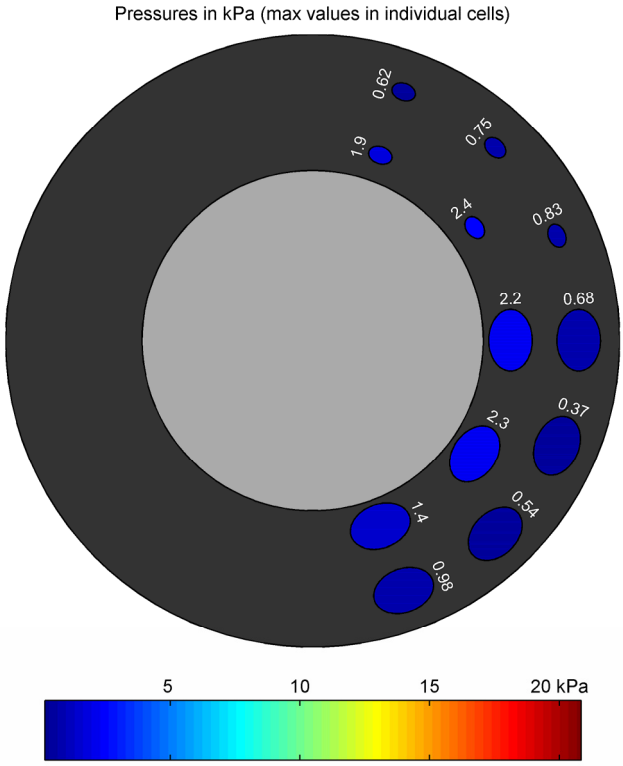
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test133.dat	RunUp_Test_016.dat	Pressure_ConePlatform_039.dat	0.202	0.3	0.137	1.59	0.129	0.151	0.171

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

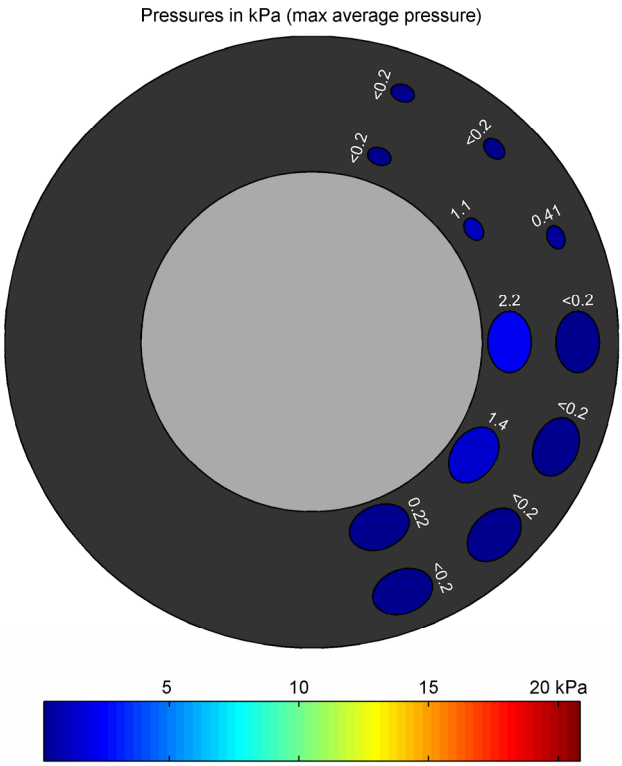
	2%	0.5%	0.1% (max)
Ru [m]	0.198	0.222	0.274
P1 [kPa]	0.62	1.90	2.19
P2 [kPa]	0.55	1.06	2.27
P3 [kPa]	0.37	0.79	1.36
P4 [kPa]	0.00	0.22	0.68
P5 [kPa]	0.00	0.00	0.37
P6 [kPa]	0.00	0.39	0.54
P7 [kPa]	0.00	0.55	0.98
P8 [kPa]	0.61	1.25	2.42
P9 [kPa]	0.33	0.97	1.94
P10 [kPa]	0.57	0.70	0.83
P11 [kPa]	0.00	0.20	0.75
P12 [kPa]	0.25	0.35	0.62
Max. Pressure [kPa]	0.62	1.90	2.42
Cs (max pressure)		9.6	3.4





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.274
P1 [kPa]	2.19
P2 [kPa]	1.38
P3 [kPa]	0.22
P4 [kPa]	0.07
P5 [kPa]	0.00
P6 [kPa]	0.05
P7 [kPa]	0.03
P8 [kPa]	1.13
P9 [kPa]	0.01
P10 [kPa]	0.41
P11 [kPa]	0.00
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.56
Cs (average pressure)	0.8



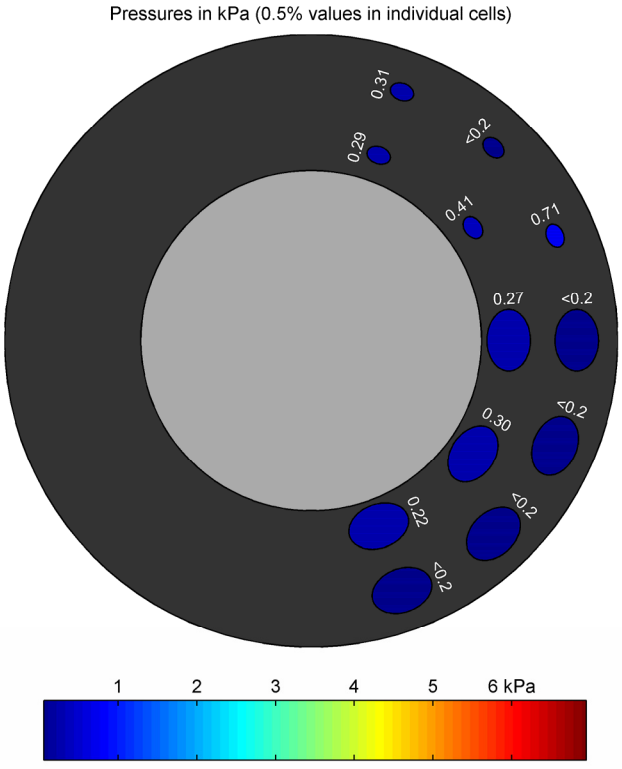
B.11 Test 40 ($h/D = 3$, $H_{m0}/h = 0.35$, $s_{0p} = 0.020$)

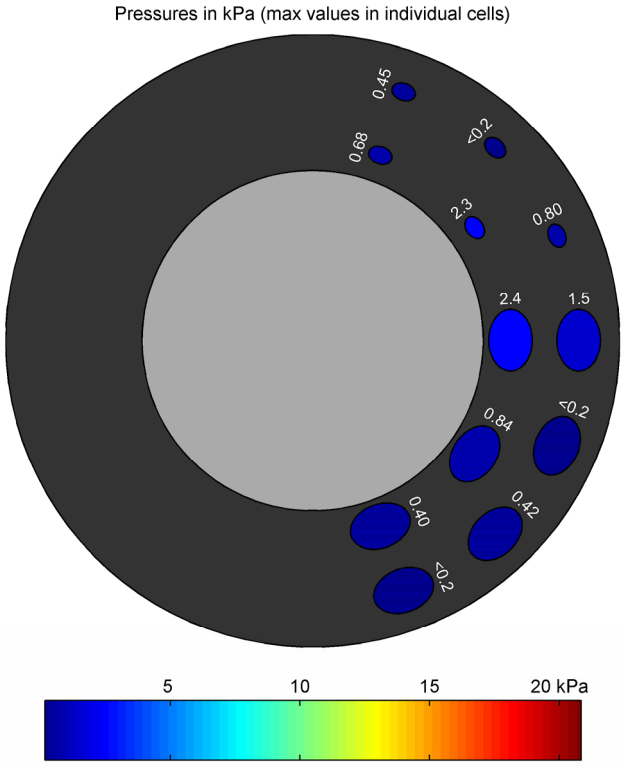
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test122.dat	RunUp_Test_009.dat	Pressure_ConePlatform_040.dat	0.202	0.3	0.105	1.83	0.100	0.129	0.152

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

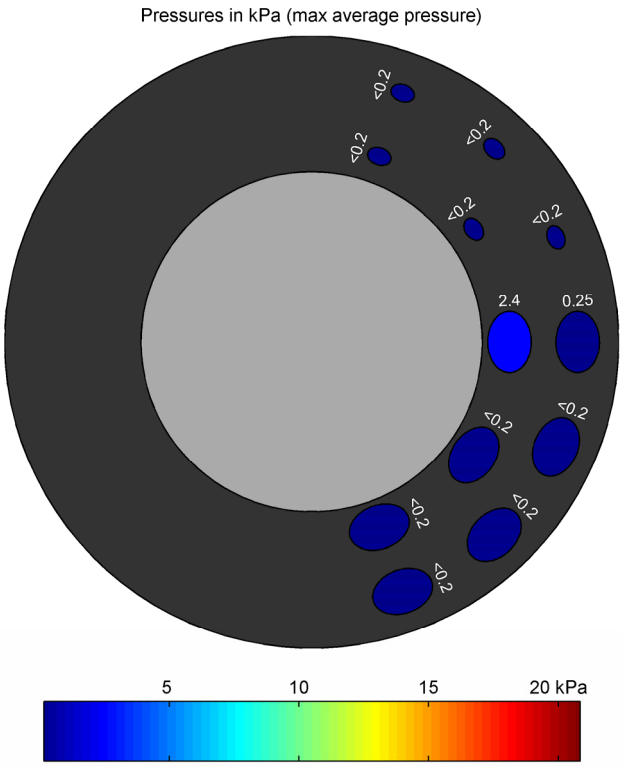
	2%	0.5%	0.1% (max)
Ru [m]	0.156	0.193	0.210
P1 [kPa]	0.00	0.27	2.40
P2 [kPa]	0.00	0.30	0.84
P3 [kPa]	0.00	0.22	0.40
P4 [kPa]	0.00	0.00	1.55
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.42
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.41	2.34
P9 [kPa]	0.00	0.29	0.68
P10 [kPa]	0.00	0.71	0.80
P11 [kPa]	0.00	0.00	0.19
P12 [kPa]	0.00	0.31	0.45
Max. Pressure [kPa]	0.00	0.71	2.40
Cs (max pressure)			29.4





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.210
P1 [kPa]	2.40
P2 [kPa]	0.04
P3 [kPa]	0.00
P4 [kPa]	0.25
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.00
P12 [kPa]	0.02
Mean. Pressure over P1 to P7 [kPa]	0.37
Cs (average pressure)	4.5



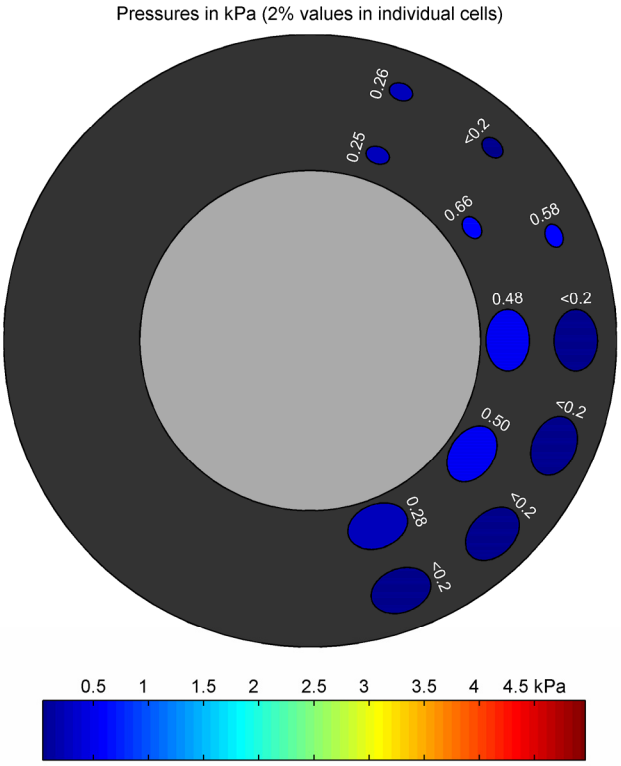
B.12 Test 41 (h/D = 3, $H_{m0}/h = 0.40$, $s_{0p} = 0.020$)

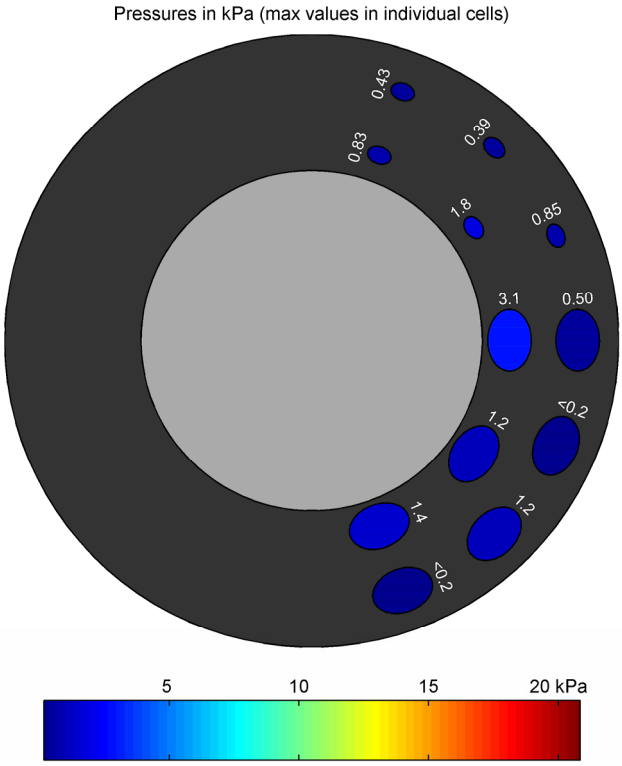
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test125.dat	RunUp_Test_010.dat	Pressure_ConePlatform_041.dat	0.202	0.3	0.121	1.96	0.112	0.136	0.173

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

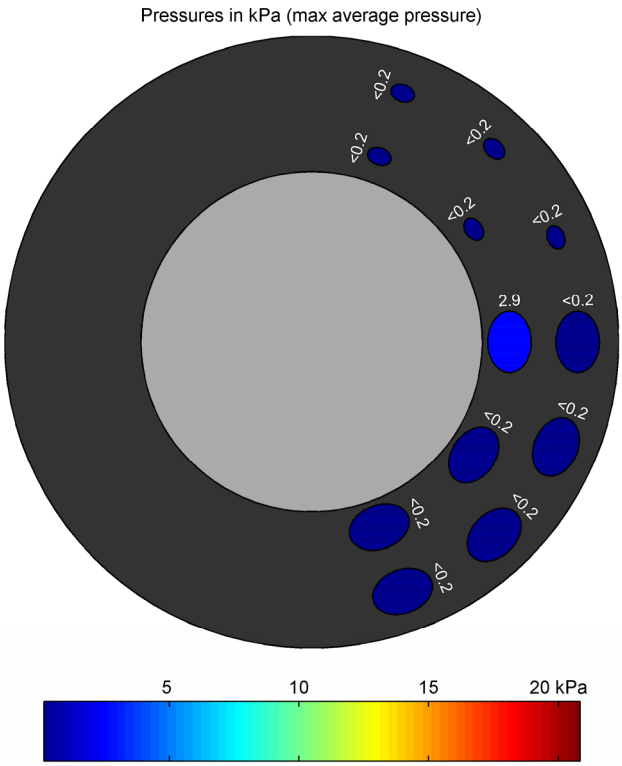
	2%	0.5%	0.1% (max)
Ru [m]	0.203	0.236	0.290
P1 [kPa]	0.48	1.24	3.06
P2 [kPa]	0.50	0.88	1.21
P3 [kPa]	0.28	0.59	1.43
P4 [kPa]	0.00	0.00	0.50
P5 [kPa]	0.00	0.00	0.19
P6 [kPa]	0.00	0.00	1.24
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.66	0.95	1.77
P9 [kPa]	0.25	0.52	0.83
P10 [kPa]	0.58	0.73	0.85
P11 [kPa]	0.00	0.21	0.39
P12 [kPa]	0.26	0.37	0.43
Max. Pressure [kPa]	0.66	1.24	3.06
Cs (max pressure)	111.5	3.7	3.5





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.290
P1 [kPa]	2.95
P2 [kPa]	0.00
P3 [kPa]	0.00
P4 [kPa]	0.01
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.04
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.05
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.41
Cs (average pressure)	0.5



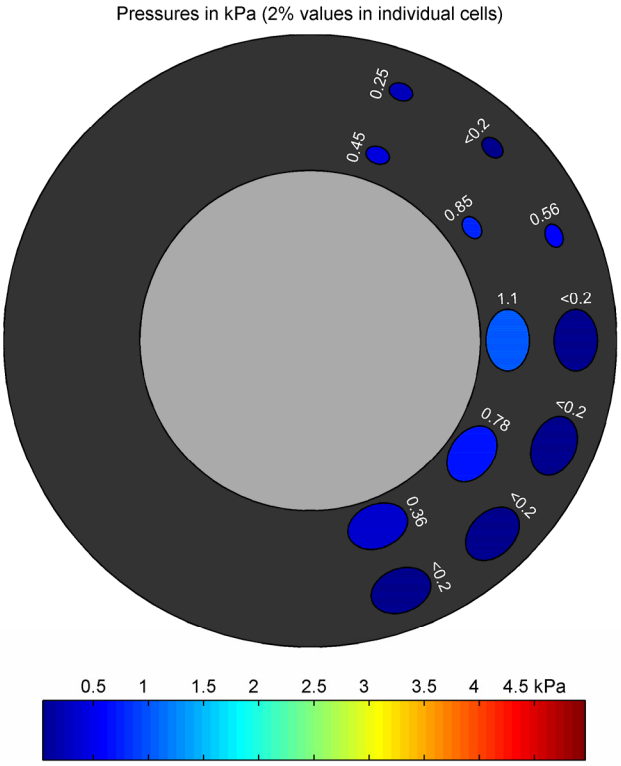
B.13 Test 42 (h/D = 3, $H_{m0}/h = 0.43$, $s_{0p} = 0.020$)

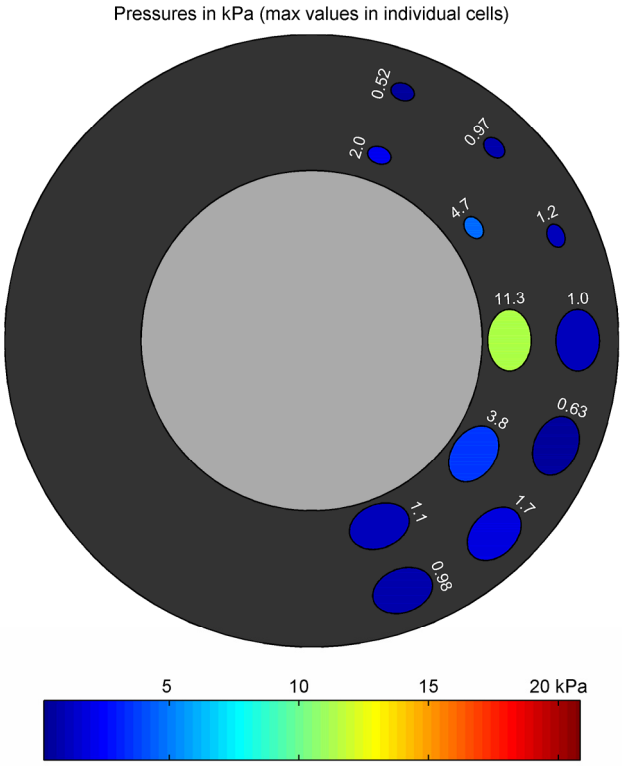
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test127.dat	RunUp_Test_011.dat	Pressure_ConePlatform_042.dat	0.202	0.3	0.130	2.03	0.119	0.141	0.163

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

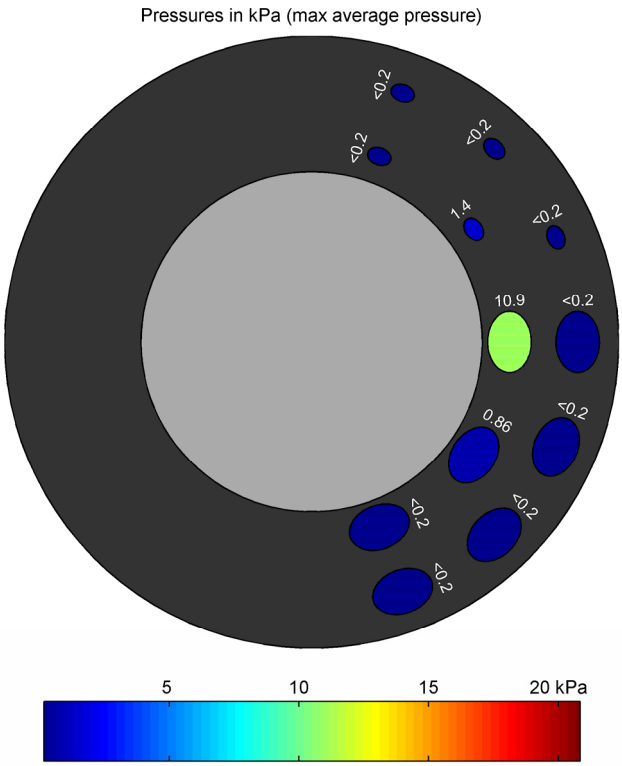
	2%	0.5%	0.1% (max)
Ru [m]	0.215	0.244	0.267
P1 [kPa]	1.06	3.85	11.34
P2 [kPa]	0.78	2.66	3.82
P3 [kPa]	0.36	0.87	1.10
P4 [kPa]	0.00	0.69	1.03
P5 [kPa]	0.00	0.21	0.63
P6 [kPa]	0.00	0.53	1.74
P7 [kPa]	0.00	0.98	0.98
P8 [kPa]	0.85	2.84	4.66
P9 [kPa]	0.45	2.00	2.00
P10 [kPa]	0.56	0.82	1.18
P11 [kPa]	0.00	0.24	0.97
P12 [kPa]	0.25	0.33	0.52
Max. Pressure [kPa]	1.06	3.85	11.34
Cs (max pressure)	8.3	9.4	17.7





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.267
P1 [kPa]	10.90
P2 [kPa]	0.87
P3 [kPa]	0.00
P4 [kPa]	0.02
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	1.36
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.04
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	1.64
Cs (average pressure)	2.6



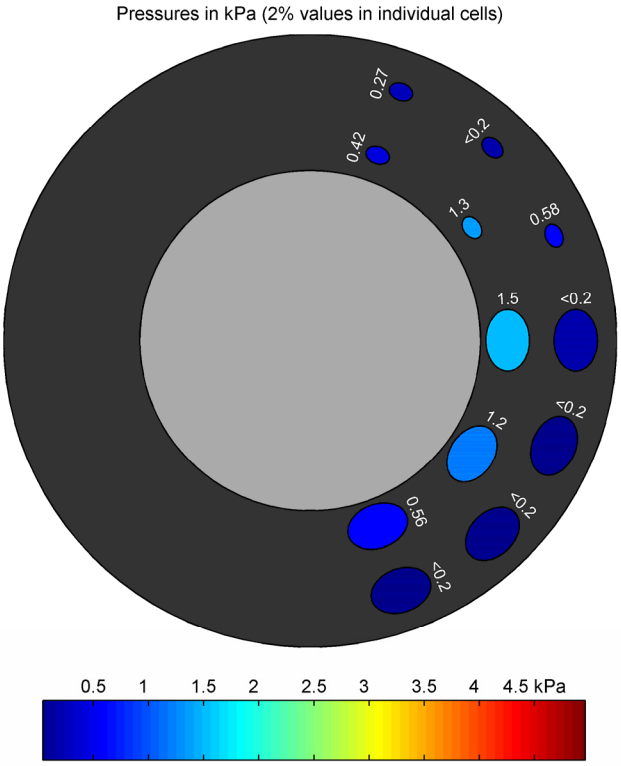
B.14 Test 43

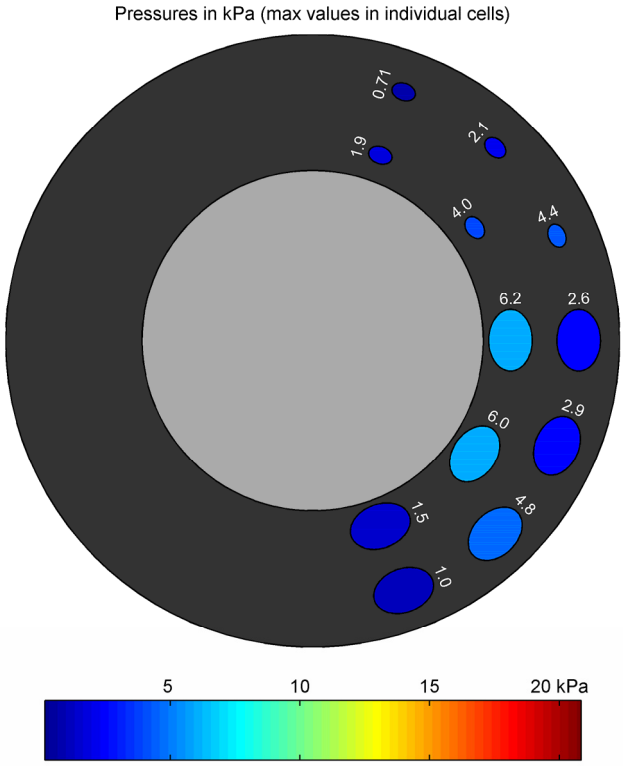
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test128.dat	RunUp_Test_012.dat	Pressure_ConePlatform_043.dat	0.202	0.3	0.139	2.10	0.125	0.143	0.166

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

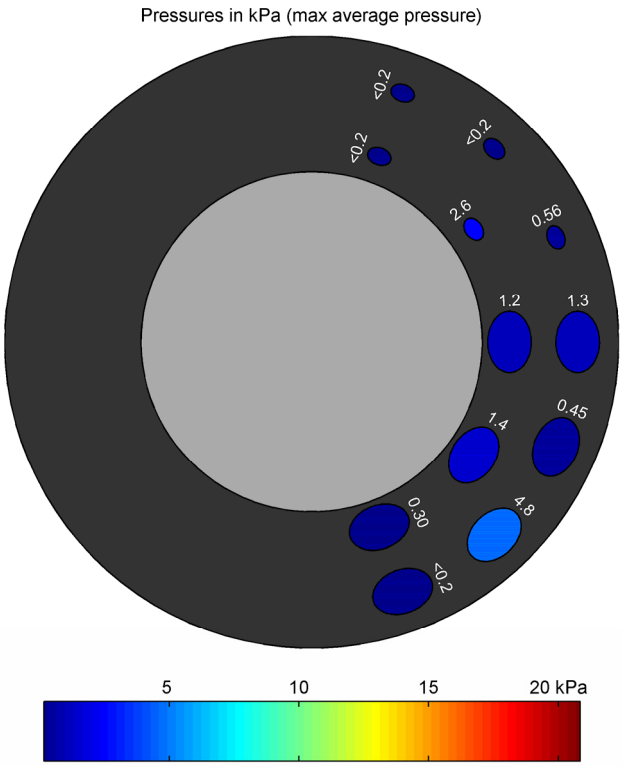
	2%	0.5%	0.1% (max)
Ru [m]	0.235	0.251	0.279
P1 [kPa]	1.51	3.63	6.22
P2 [kPa]	1.20	2.23	6.02
P3 [kPa]	0.56	1.04	1.48
P4 [kPa]	0.18	0.63	2.55
P5 [kPa]	0.00	0.59	2.85
P6 [kPa]	0.00	0.47	4.80
P7 [kPa]	0.00	0.21	1.04
P8 [kPa]	1.34	2.16	4.03
P9 [kPa]	0.42	0.83	1.93
P10 [kPa]	0.58	0.90	4.38
P11 [kPa]	0.20	0.47	2.10
P12 [kPa]	0.27	0.43	0.71
Max. Pressure [kPa]	1.51	3.63	6.22
Cs (max pressure)	4.7	7.6	8.2





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.279
P1 [kPa]	1.16
P2 [kPa]	1.41
P3 [kPa]	0.30
P4 [kPa]	1.31
P5 [kPa]	0.45
P6 [kPa]	4.80
P7 [kPa]	0.00
P8 [kPa]	2.57
P9 [kPa]	0.08
P10 [kPa]	0.56
P11 [kPa]	0.00
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	1.34
Cs (average pressure)	1.8



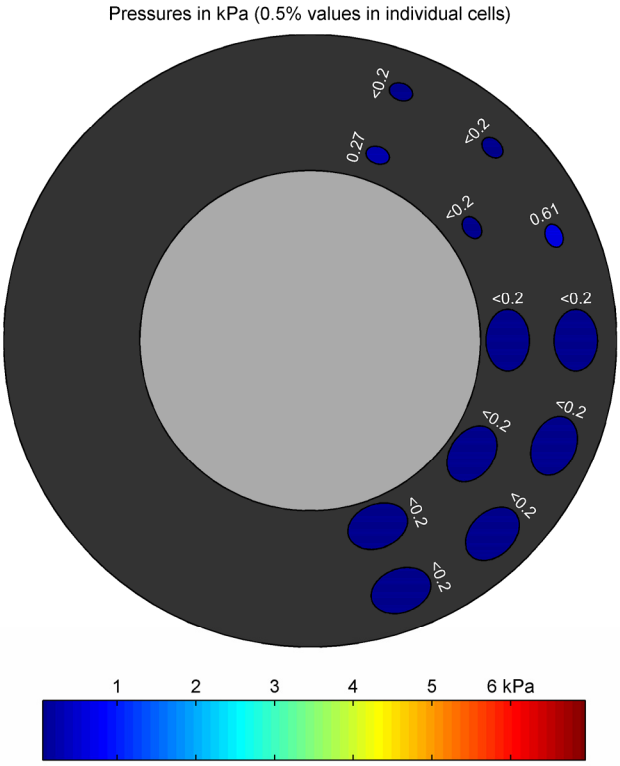
B.15 Test 44 (h/D = 3, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

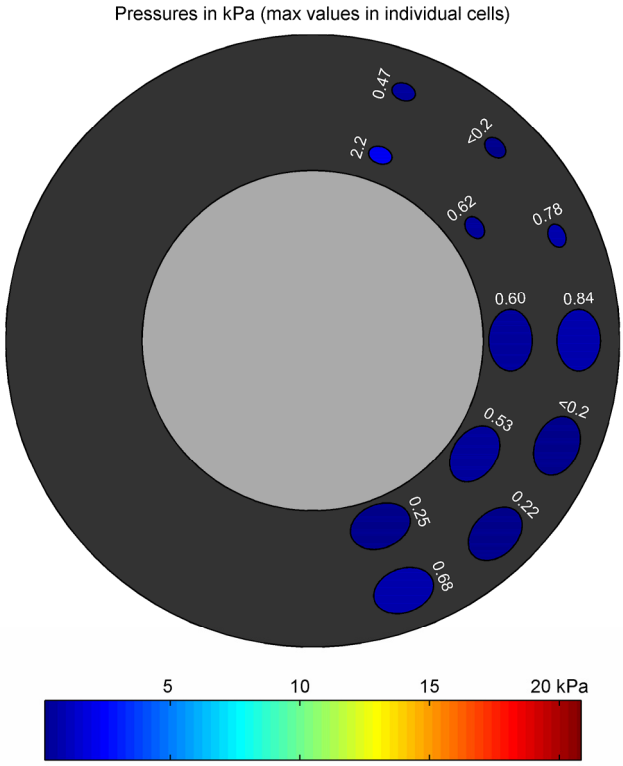
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test130.dat	RunUp_Test_013.dat	Pressure_ConePlatform_044.dat	0.202	0.3	0.106	1.39	0.099	0.129	0.151

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

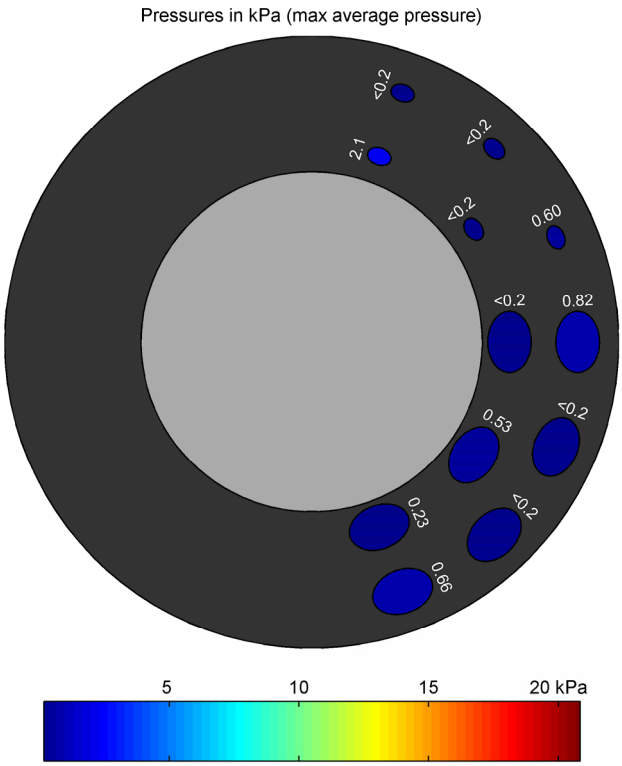
	2%	0.5%	0.1% (max)
Ru [m]	0.140	0.164	0.174
P1 [kPa]	0.00	0.00	0.61
P2 [kPa]	0.00	0.00	0.53
P3 [kPa]	0.00	0.00	0.25
P4 [kPa]	0.00	0.00	0.84
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.22
P7 [kPa]	0.00	0.00	0.68
P8 [kPa]	0.00	0.00	0.62
P9 [kPa]	0.00	0.27	2.16
P10 [kPa]	0.00	0.61	0.78
P11 [kPa]	0.00	0.00	0.17
P12 [kPa]	0.00	0.00	0.47
Max. Pressure [kPa]	0.00	0.61	2.16
Cs (max pressure)			





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.174
P1 [kPa]	0.00
P2 [kPa]	0.53
P3 [kPa]	0.23
P4 [kPa]	0.82
P5 [kPa]	0.00
P6 [kPa]	0.18
P7 [kPa]	0.66
P8 [kPa]	0.00
P9 [kPa]	2.14
P10 [kPa]	0.60
P11 [kPa]	0.00
P12 [kPa]	0.08
Mean. Pressure over P1 to P7 [kPa]	0.22
Cs (average pressure)	



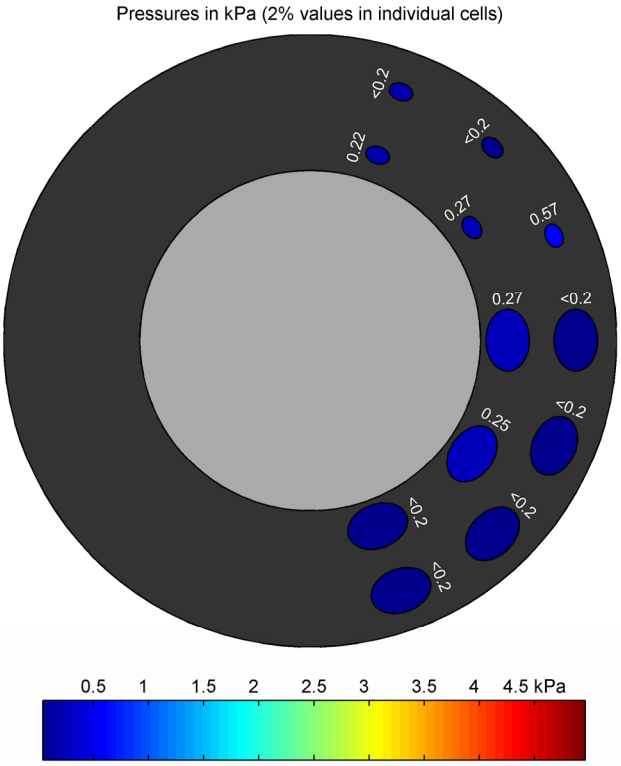
B.16 Test 45 (h/D = 3, $H_{m0}/h = 0.40$, $s_{0p} = 0.035$)

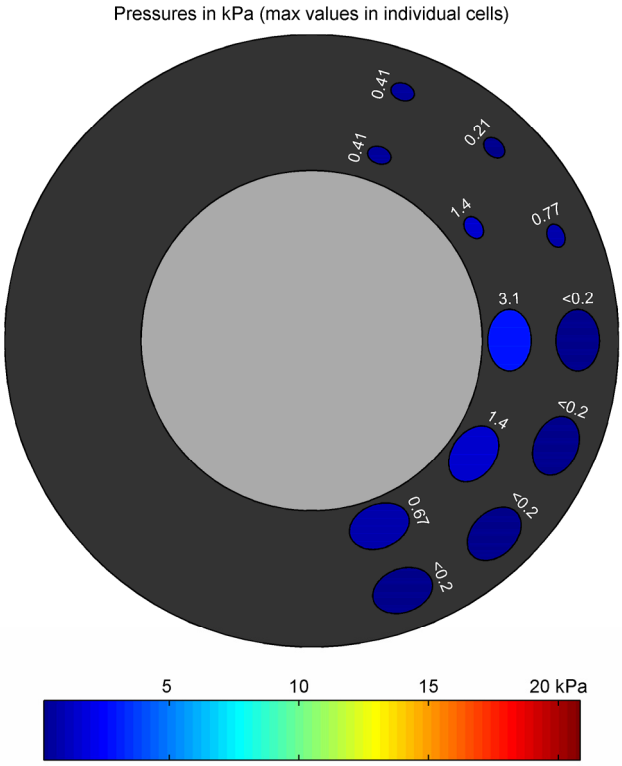
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test131.dat	RunUp_Test_014.dat	Pressure_ConePlatform_045.dat	0.202	0.3	0.119	1.48	0.115	0.142	0.164

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

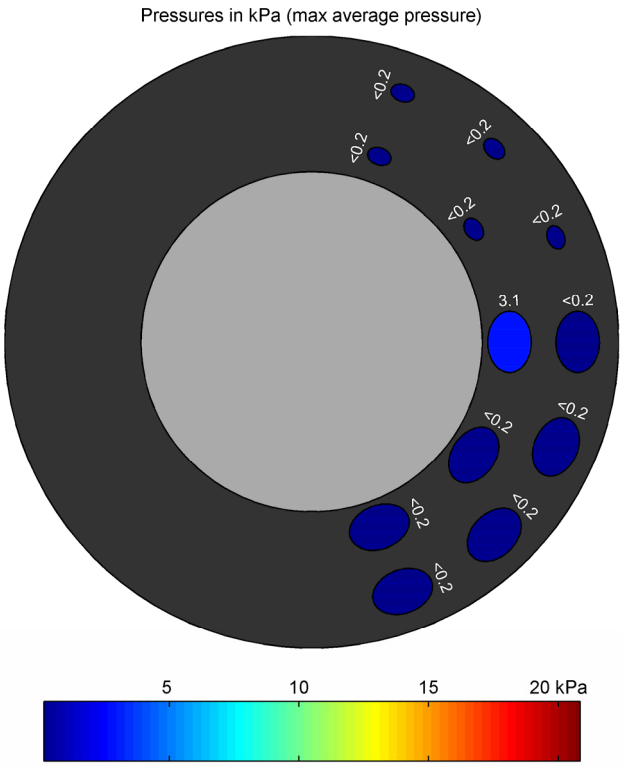
	2%	0.5%	0.1% (max)
Ru [m]	0.170	0.191	0.213
P1 [kPa]	0.27	0.94	3.14
P2 [kPa]	0.25	0.65	1.43
P3 [kPa]	0.00	0.35	0.67
P4 [kPa]	0.00	0.00	0.00
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.27	0.72	1.40
P9 [kPa]	0.22	0.27	0.41
P10 [kPa]	0.57	0.66	0.77
P11 [kPa]	0.00	0.00	0.21
P12 [kPa]	0.17	0.36	0.41
Max. Pressure [kPa]	0.57	0.94	3.14
Cs (max pressure)			28.6





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.213
P1 [kPa]	3.14
P2 [kPa]	0.00
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.03
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.41
Cs (average pressure)	3.7



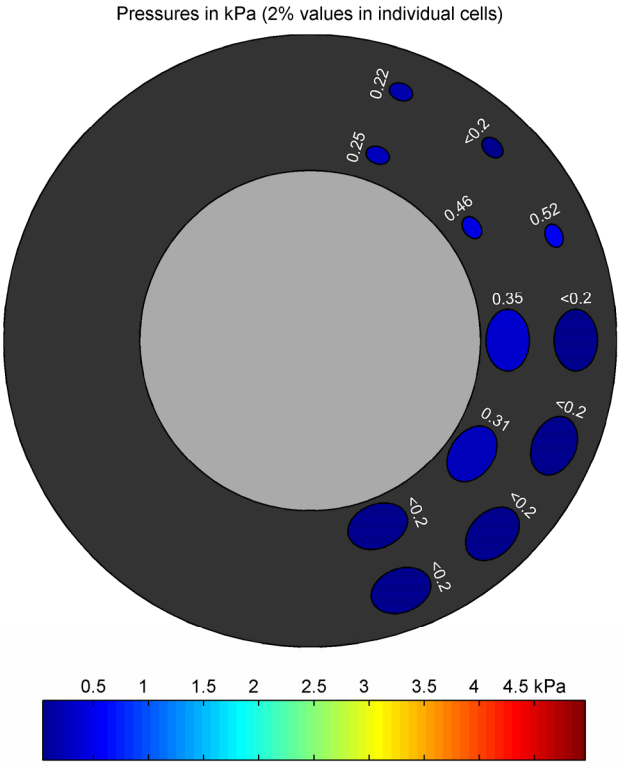
B.17 Test 46 (h/D = 3, $H_{m0}/h = 0.43$, $s_{0p} = 0.035$)

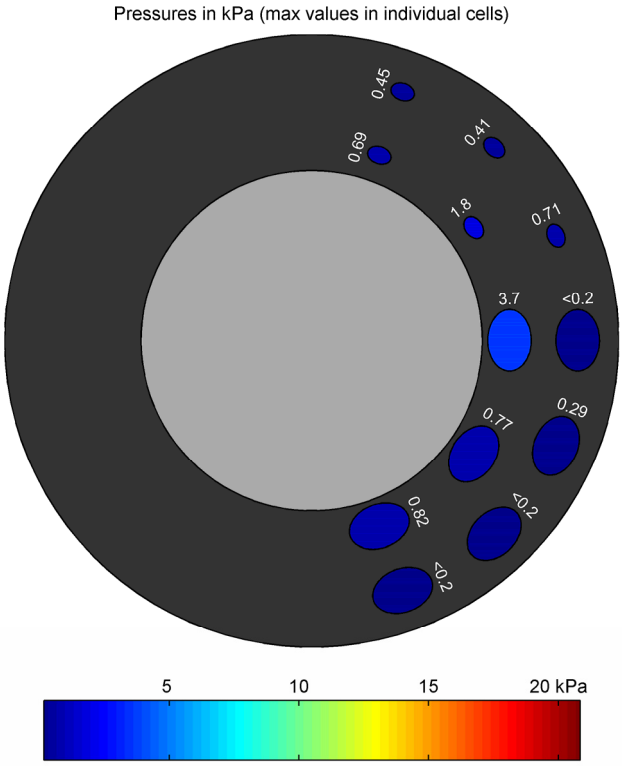
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test132.dat	RunUp_Test_015.dat	Pressure_ConePlatform_046.dat	0.202	0.3	0.130	1.54	0.120	0.143	0.173

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

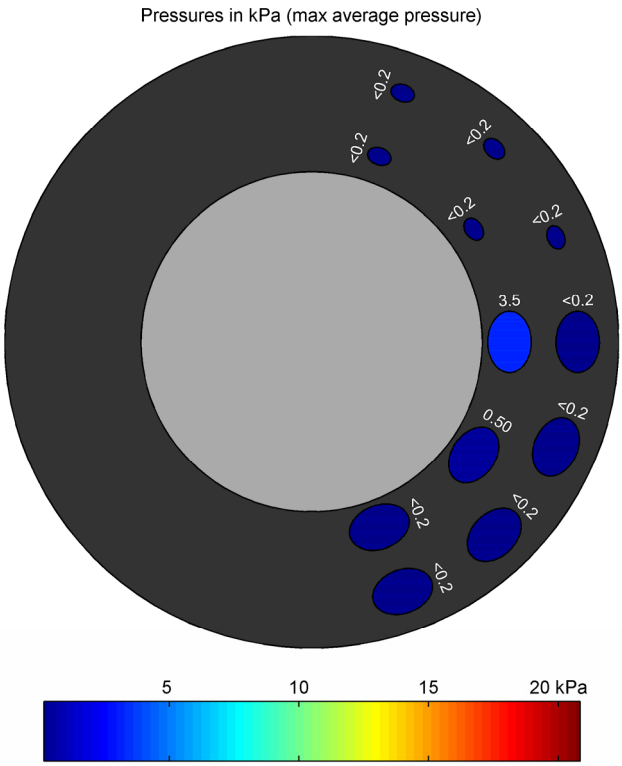
	2%	0.5%	0.1% (max)
Ru [m]	0.186	0.212	0.230
P1 [kPa]	0.35	1.13	3.68
P2 [kPa]	0.31	0.58	0.77
P3 [kPa]	0.00	0.30	0.82
P4 [kPa]	0.00	0.00	0.00
P5 [kPa]	0.00	0.00	0.29
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.46	0.85	1.78
P9 [kPa]	0.25	0.38	0.69
P10 [kPa]	0.52	0.62	0.71
P11 [kPa]	0.00	0.16	0.41
P12 [kPa]	0.22	0.33	0.45
Max. Pressure [kPa]	0.52	1.13	3.68
Cs (max pressure)		12.0	13.2





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.230
P1 [kPa]	3.54
P2 [kPa]	0.50
P3 [kPa]	0.02
P4 [kPa]	0.01
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.01
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.06
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.57
Cs (average pressure)	2.1



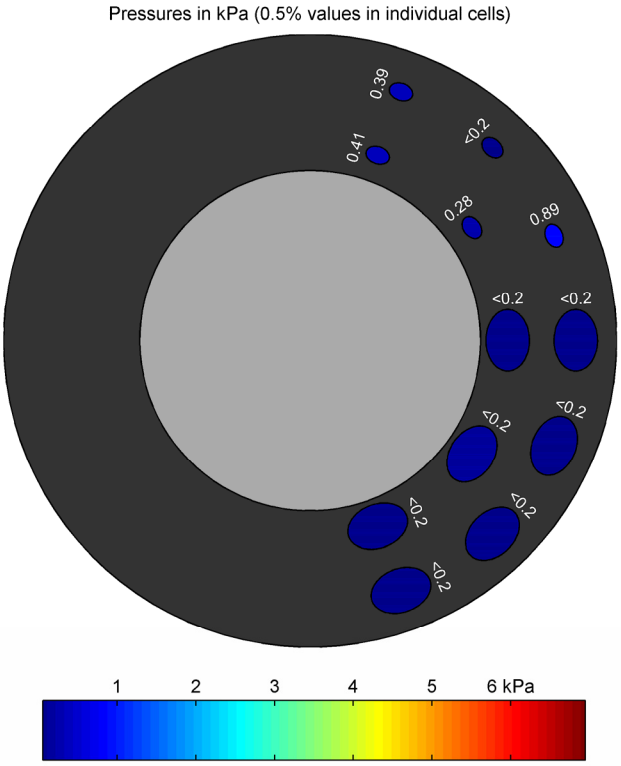
B.18 Test 59 (h/D = 2, H_{m0}/h = 0.35, s_{0p} = 0.020)

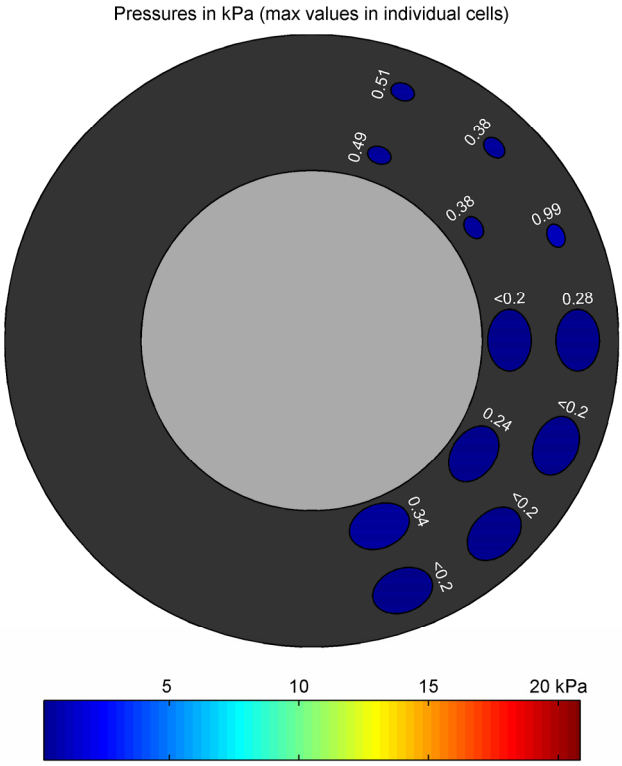
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test112.dat	RunUp_Test_001.dat	Pressure_ConePlatform_059.dat	0.135	0.2	0.069	1.50	0.065	0.082	0.092

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

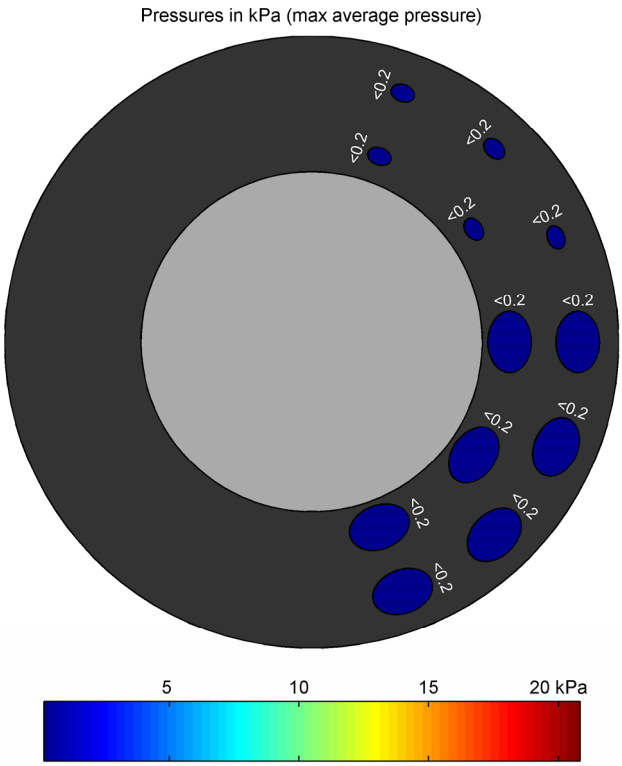
	2%	0.5%	0.1% (max)
Ru [m]	0.103	0.121	0.128
P1 [kPa]	0.00	0.00	0.19
P2 [kPa]	0.00	0.16	0.24
P3 [kPa]	0.00	0.00	0.34
P4 [kPa]	0.00	0.00	0.28
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.28	0.38
P9 [kPa]	0.00	0.41	0.49
P10 [kPa]	0.00	0.89	0.99
P11 [kPa]	0.00	0.00	0.38
P12 [kPa]	0.00	0.39	0.51
Max. Pressure [kPa]	0.00	0.89	0.99
Cs (max pressure)			





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.128
P1 [kPa]	0.00
P2 [kPa]	0.00
P3 [kPa]	0.01
P4 [kPa]	0.00
P5 [kPa]	0.00
P6 [kPa]	0.01
P7 [kPa]	0.00
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.00
P12 [kPa]	0.01
Mean. Pressure over P1 to P7 [kPa]	0.00
Cs (average pressure)	



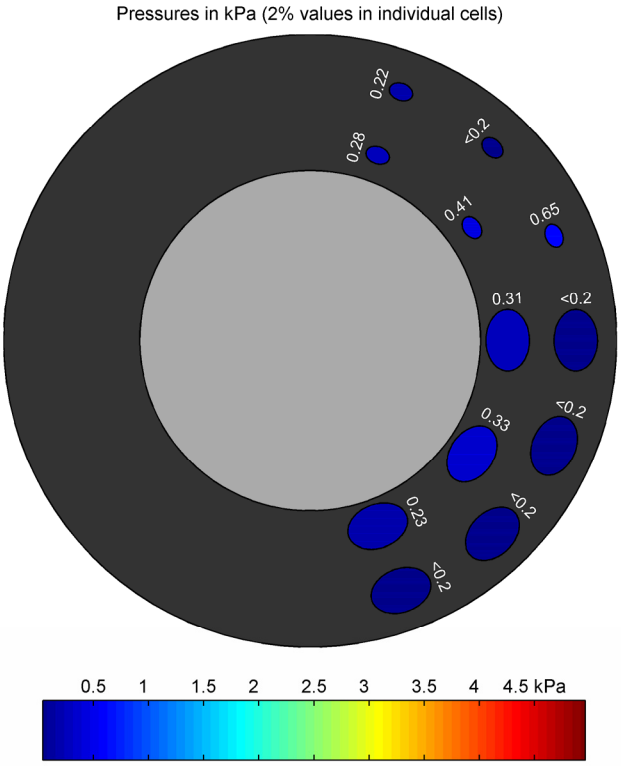
B.19 Test 60 (h/D = 2, $H_{m0}/h = 0.40$, $s_{0p} = 0.020$)

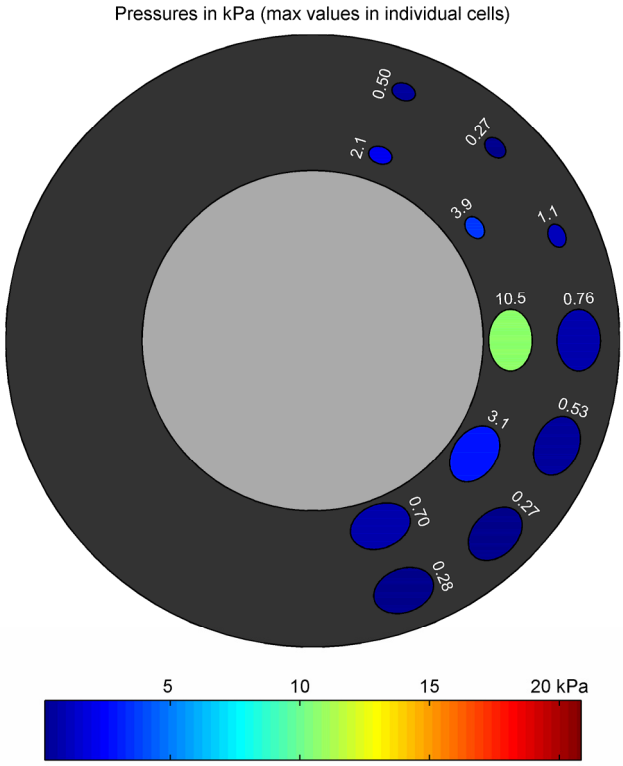
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test113.dat	RunUp_Test_002.dat	Pressure_ConePlatform_060.dat	0.135	0.2	0.079	1.60	0.075	0.92	0.105

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

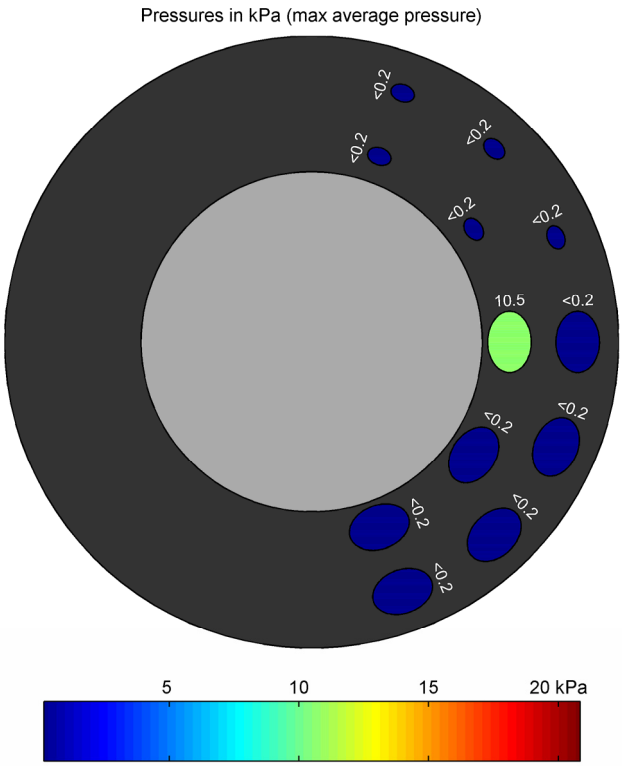
	2%	0.5%	0.1% (max)
Ru [m]	0.148	0.164	0.188
P1 [kPa]	0.31	0.85	10.51
P2 [kPa]	0.33	0.69	3.12
P3 [kPa]	0.23	0.60	0.70
P4 [kPa]	0.00	0.58	0.76
P5 [kPa]	0.00	0.00	0.53
P6 [kPa]	0.00	0.00	0.27
P7 [kPa]	0.00	0.00	0.28
P8 [kPa]	0.41	1.28	3.89
P9 [kPa]	0.28	2.05	2.07
P10 [kPa]	0.65	0.76	1.11
P11 [kPa]	0.00	0.21	0.27
P12 [kPa]	0.22	0.34	0.50
Max. Pressure [kPa]	0.65	2.05	10.51
Cs (max pressure)	5.1	7.2	20.0





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.188
P1 [kPa]	10.51
P2 [kPa]	0.08
P3 [kPa]	0.00
P4 [kPa]	0.15
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.01
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.09
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	1.50
Cs (average pressure)	2.9



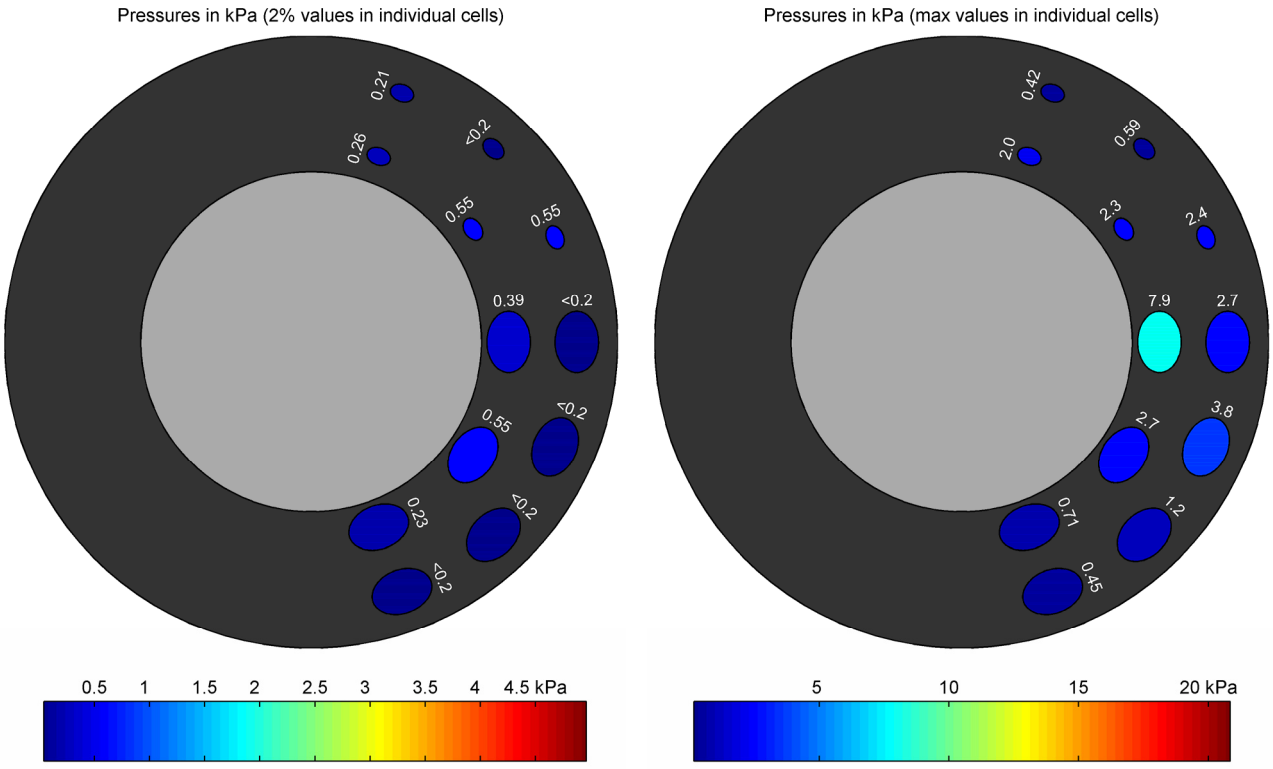
B.20 Test 61 (h/D = 2, H_{m0}/h = 0.43, s_{0p} = 0.020)

Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test115.dat	RunUp_Test_003.dat	Pressure_ConePlatform_061.dat	0.135	0.085	1.66	0.082	0.101	0.122	0.2

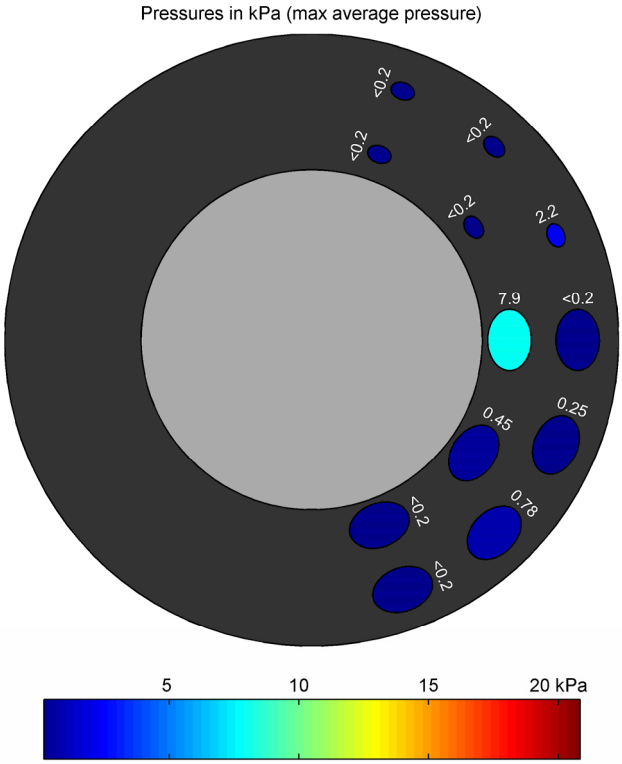
Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.154	0.169	0.207
P1 [kPa]	0.39	2.45	7.94
P2 [kPa]	0.55	1.17	2.72
P3 [kPa]	0.23	0.59	0.71
P4 [kPa]	0.00	0.68	2.67
P5 [kPa]	0.00	0.00	3.78
P6 [kPa]	0.00	0.00	1.24
P7 [kPa]	0.00	0.00	0.45
P8 [kPa]	0.55	1.55	2.32
P9 [kPa]	0.26	0.48	2.01
P10 [kPa]	0.55	0.79	2.42
P11 [kPa]	0.00	0.18	0.59
P12 [kPa]	0.21	0.32	0.42
Max. Pressure [kPa]	0.55	2.45	7.94
Cs (max pressure)	2.9	7.2	11.2



Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.207
P1 [kPa]	7.94
P2 [kPa]	0.45
P3 [kPa]	0.02
P4 [kPa]	0.07
P5 [kPa]	0.25
P6 [kPa]	0.78
P7 [kPa]	0.03
P8 [kPa]	0.00
P9 [kPa]	0.01
P10 [kPa]	2.16
P11 [kPa]	0.06
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	1.36
Cs (average pressure)	1.9



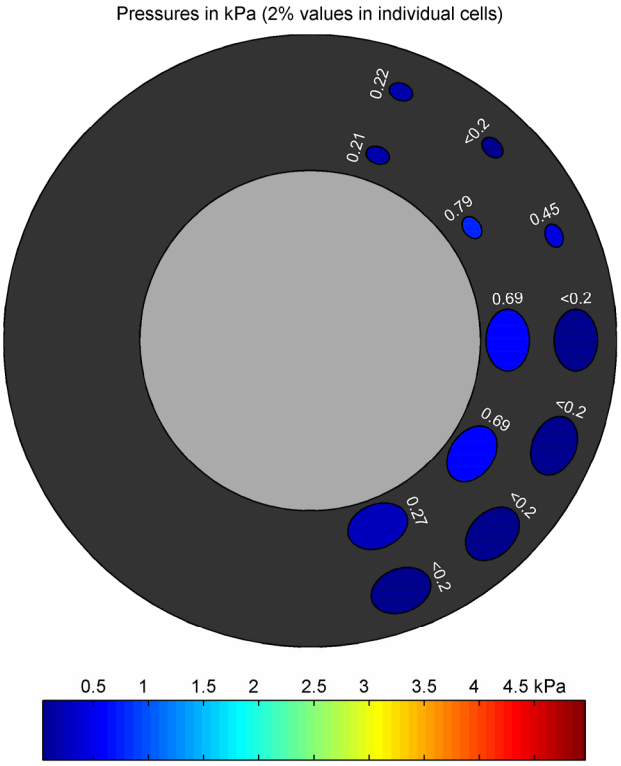
B.21 Test 62 (h/D = 2, $H_{m0}/h = 0.46$, $s_{0p} = 0.020$)

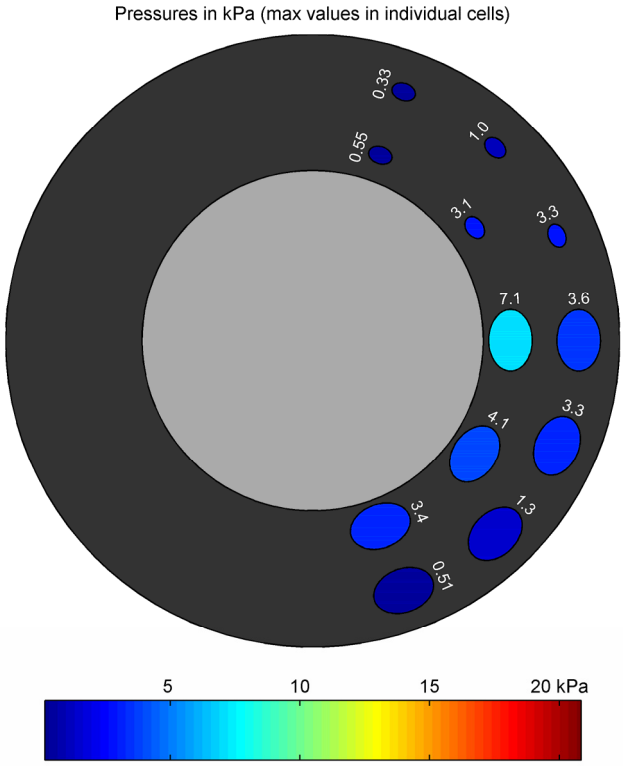
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test116.dat	RunUp_Test_004.dat	Pressure_ConePlatform_062.dat	0.135	0.2	0.091	1.72	0.087	0.102	0.114

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

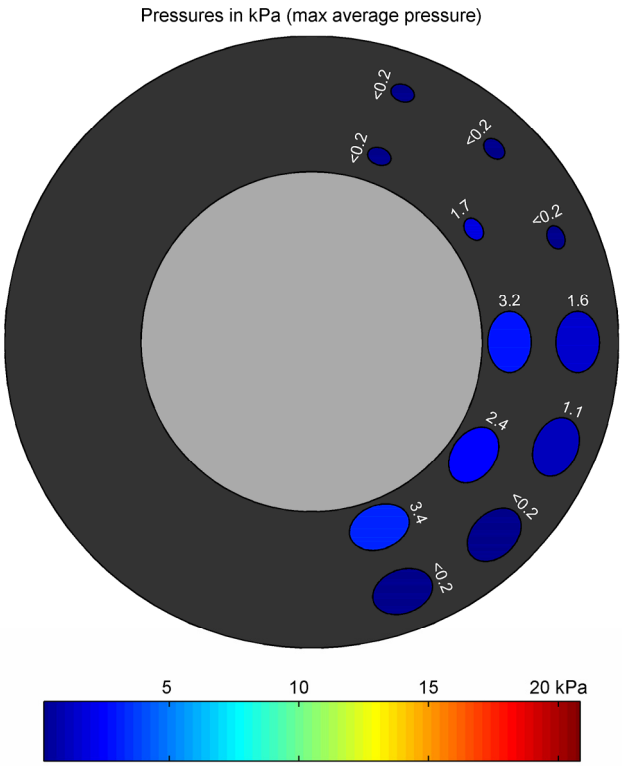
	2%	0.5%	0.1% (max)
Ru [m]	0.169	0.181	0.224
P1 [kPa]	0.69	2.78	7.06
P2 [kPa]	0.69	1.90	4.12
P3 [kPa]	0.27	0.87	3.42
P4 [kPa]	0.00	1.01	3.63
P5 [kPa]	0.00	0.63	3.29
P6 [kPa]	0.00	0.29	1.35
P7 [kPa]	0.00	0.00	0.51
P8 [kPa]	0.79	1.73	3.12
P9 [kPa]	0.21	0.34	0.55
P10 [kPa]	0.45	0.69	3.28
P11 [kPa]	0.00	0.19	1.01
P12 [kPa]	0.22	0.25	0.33
Max. Pressure [kPa]	0.79	2.78	7.06
Cs (max pressure)	2.4	6.1	8.1





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.224
P1 [kPa]	3.23
P2 [kPa]	2.43
P3 [kPa]	3.42
P4 [kPa]	1.64
P5 [kPa]	1.05
P6 [kPa]	0.04
P7 [kPa]	0.01
P8 [kPa]	1.70
P9 [kPa]	0.00
P10 [kPa]	0.00
P11 [kPa]	0.00
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	1.69
Cs (average pressure)	1.9



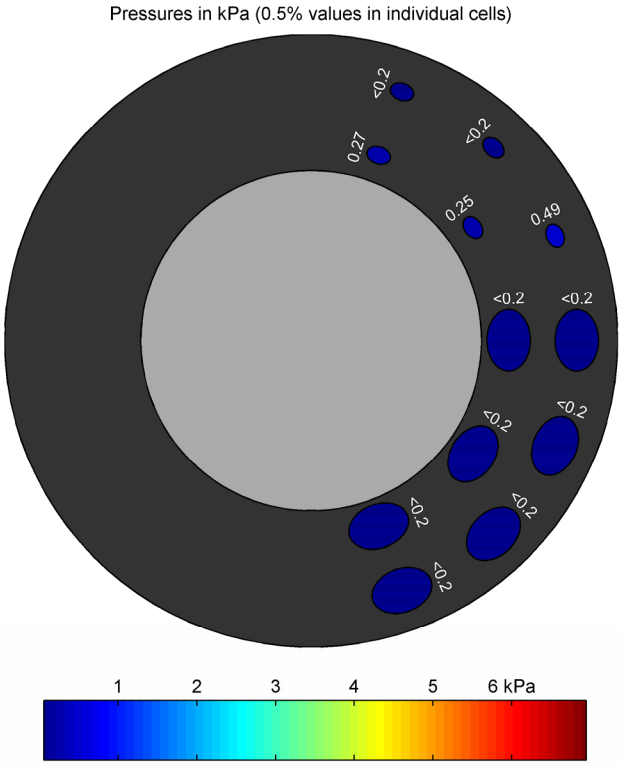
B.22 Test 63 (h/D = 2, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

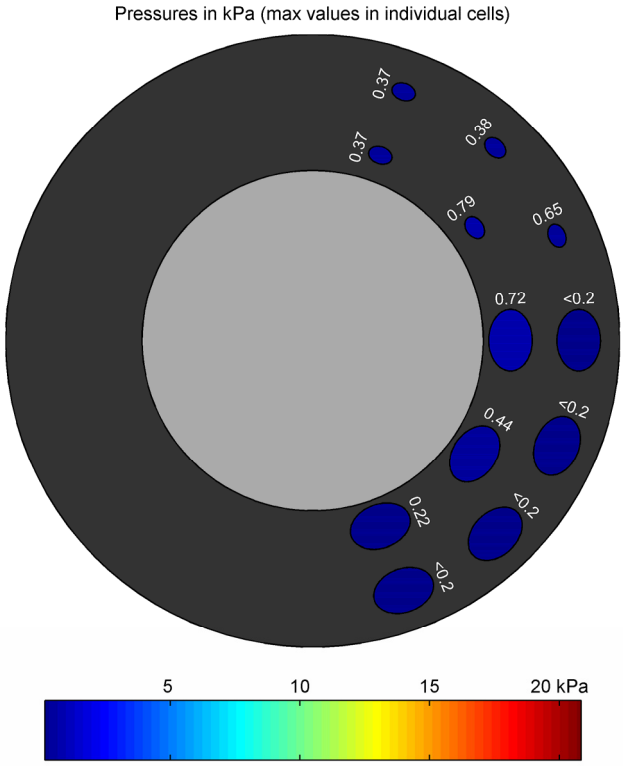
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test117.dat	RunUp_Test_005.dat	Pressure_ConePlatform_063.dat	0.135	0.2	0.070	1.13	0.067	0.087	0.098

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

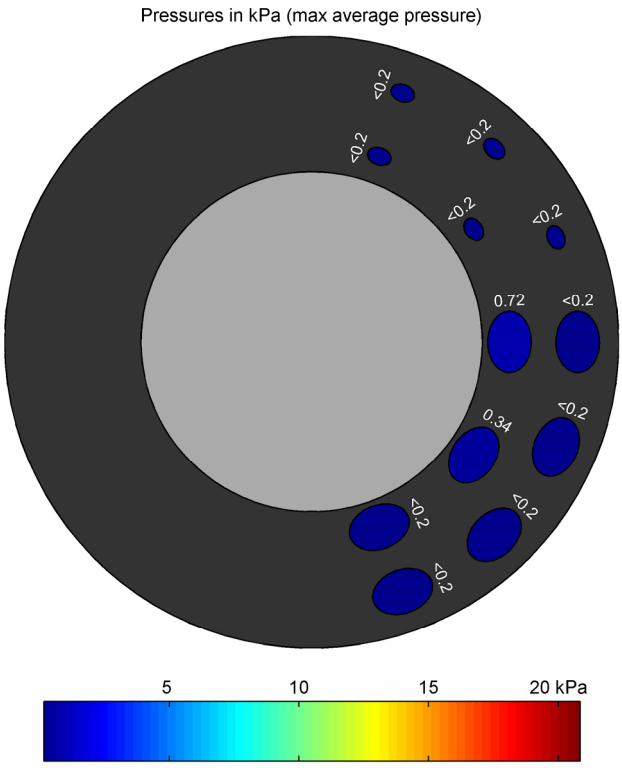
	2%	0.5%	0.1% (max)
Ru [m]	0.097	0.122	0.145
P1 [kPa]	0.00	0.00	0.72
P2 [kPa]	0.00	0.00	0.44
P3 [kPa]	0.00	0.00	0.22
P4 [kPa]	0.00	0.00	0.00
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.25	0.79
P9 [kPa]	0.00	0.27	0.37
P10 [kPa]	0.00	0.49	0.65
P11 [kPa]	0.00	0.00	0.38
P12 [kPa]	0.00	0.00	0.37
Max. Pressure [kPa]	0.00	0.49	0.79
Cs (max pressure)			7.8





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.145
P1 [kPa]	0.72
P2 [kPa]	0.34
P3 [kPa]	0.01
P4 [kPa]	0.04
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.08
P9 [kPa]	0.05
P10 [kPa]	0.12
P11 [kPa]	0.04
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.16
Cs (average pressure)	1.5



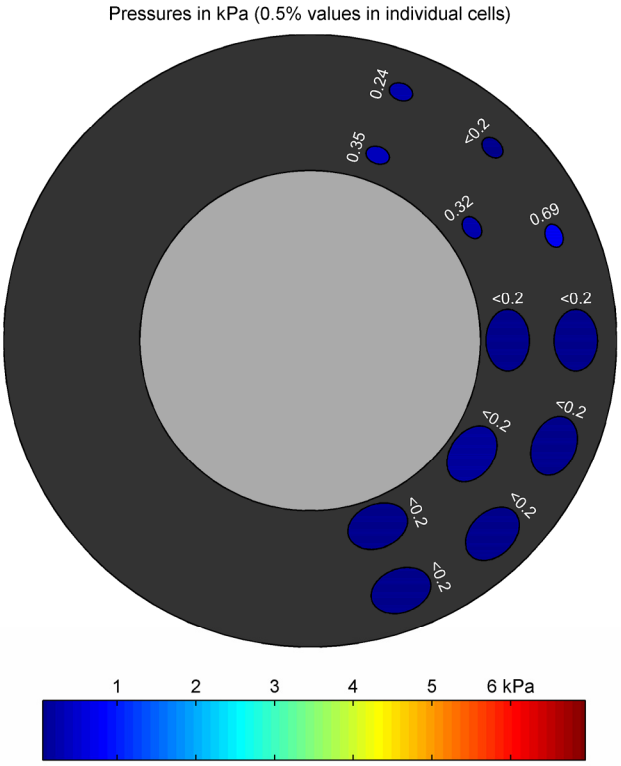
B.23 Test 64 (h/D = 2, $H_{m0}/h = 0.40$, $s_{0p} = 0.035$)

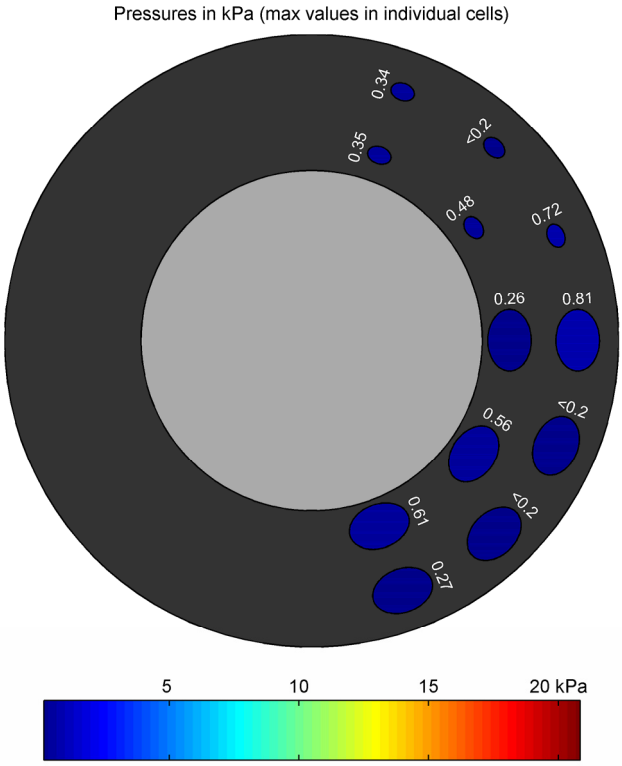
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test118.dat	RunUp_Test_006.dat	Pressure_ConePlatform_064.dat	0.135	0.2	0.079	1.21	0.076	0.095	0.105

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

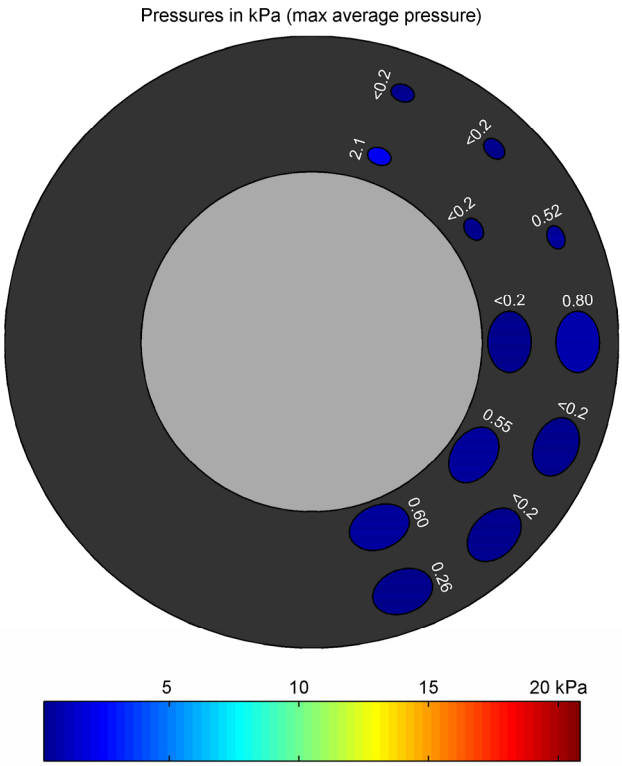
	2%	0.5%	0.1% (max)
Ru [m]	0.122	0.144	0.160
P1 [kPa]	0.00	0.00	0.26
P2 [kPa]	0.00	0.19	0.56
P3 [kPa]	0.00	0.00	0.61
P4 [kPa]	0.00	0.00	0.81
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.27
P8 [kPa]	0.00	0.32	0.48
P9 [kPa]	0.22	0.35	0.35
P10 [kPa]	0.00	0.69	0.72
P11 [kPa]	0.00	0.00	0.13
P12 [kPa]	0.00	0.24	0.34
Max. Pressure [kPa]	0.22	0.69	0.81
Cs (max pressure)		8.1	3.4





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.160
P1 [kPa]	0.00
P2 [kPa]	0.55
P3 [kPa]	0.60
P4 [kPa]	0.80
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.26
P8 [kPa]	0.02
P9 [kPa]	2.14
P10 [kPa]	0.52
P11 [kPa]	0.00
P12 [kPa]	0.09
Mean. Pressure over P1 to P7 [kPa]	0.16
Cs (average pressure)	0.7



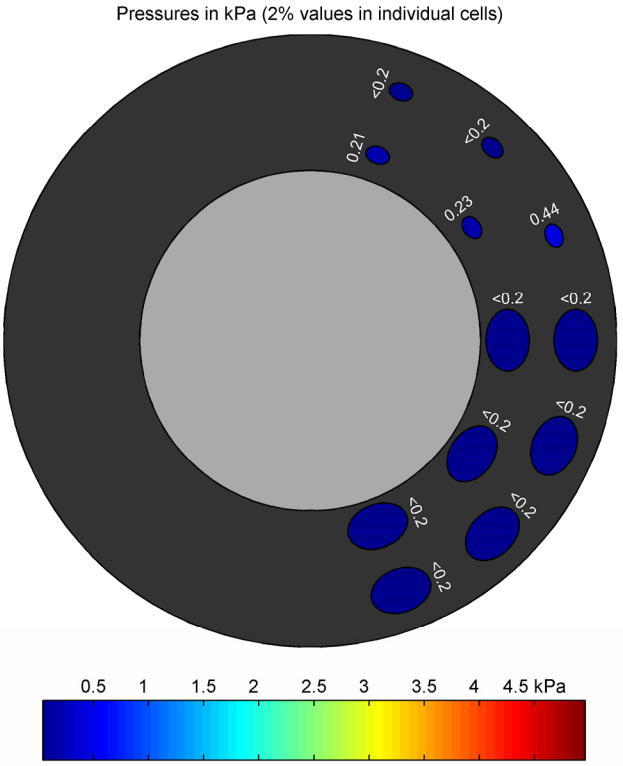
B.24 Test 65 (h/D = 2, H_{m0}/h = 0.43, s_{0p} = 0.035)

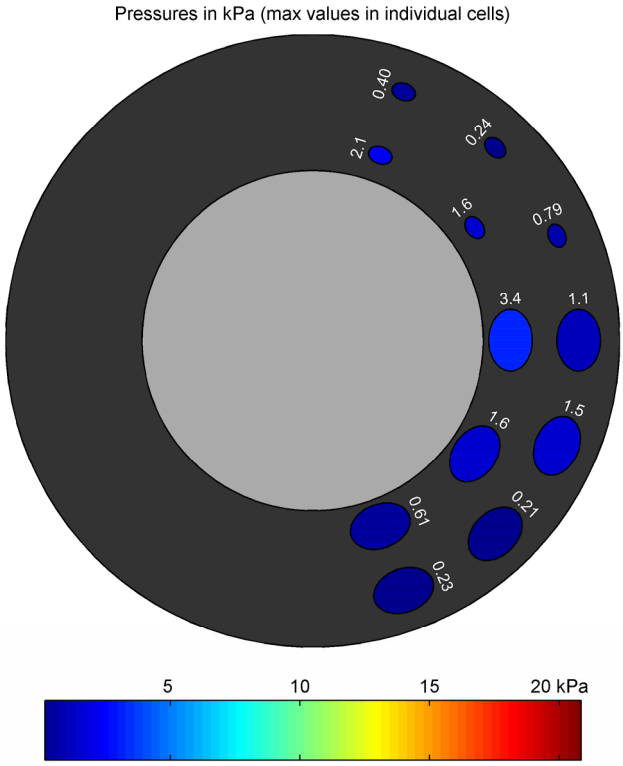
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test119.dat	RunUp_Test_007.dat	Pressure_ConePlatform_065.dat	0.135	0.2	0.086	1.25	0.082	0.100	0.115

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

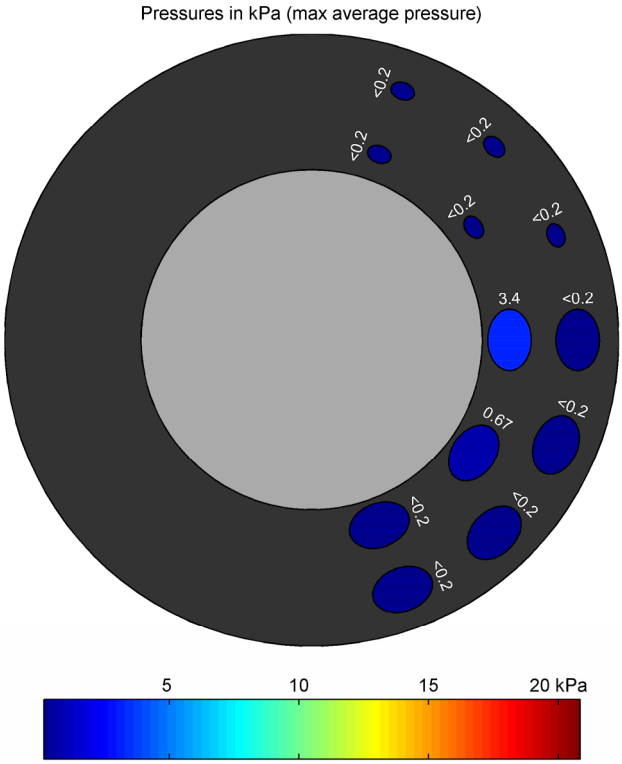
	2%	0.5%	0.1% (max)
Ru [m]	0.133	0.149	0.168
P1 [kPa]	0.00	0.33	3.38
P2 [kPa]	0.00	0.36	1.58
P3 [kPa]	0.00	0.20	0.61
P4 [kPa]	0.00	0.00	1.06
P5 [kPa]	0.00	0.00	1.48
P6 [kPa]	0.00	0.00	0.21
P7 [kPa]	0.00	0.00	0.23
P8 [kPa]	0.23	0.63	1.57
P9 [kPa]	0.21	0.30	2.13
P10 [kPa]	0.44	0.67	0.79
P11 [kPa]	0.00	0.18	0.24
P12 [kPa]	0.00	0.28	0.40
Max. Pressure [kPa]	0.44	0.67	3.38
Cs (max pressure)		4.9	10.6





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.168
P1 [kPa]	3.38
P2 [kPa]	0.67
P3 [kPa]	0.00
P4 [kPa]	0.00
P5 [kPa]	0.02
P6 [kPa]	0.06
P7 [kPa]	0.00
P8 [kPa]	0.00
P9 [kPa]	0.00
P10 [kPa]	0.02
P11 [kPa]	0.02
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.56
Cs (average pressure)	1.8



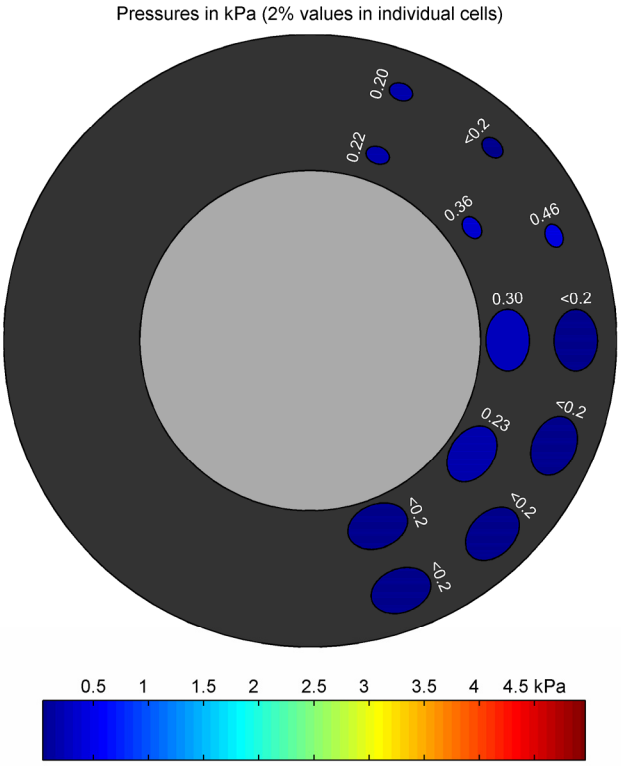
B.25 Test 66 (h/D = 2, H_{m0}/h = 0.46, s_{0p} = 0.035)

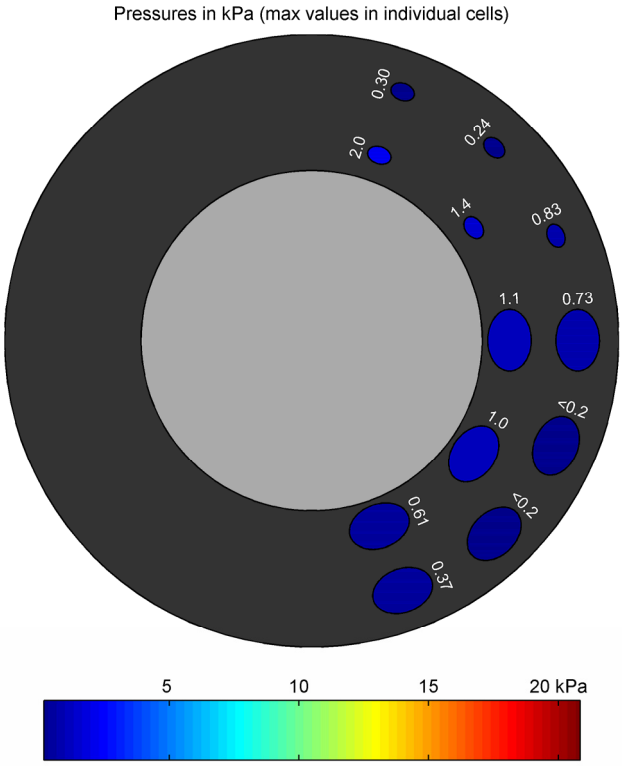
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test120.dat	RunUp_Test_008.dat	Pressure_ConePlatform_066.dat	0.135	0.2	0.092	1.30	0.089	0.103	0.125

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

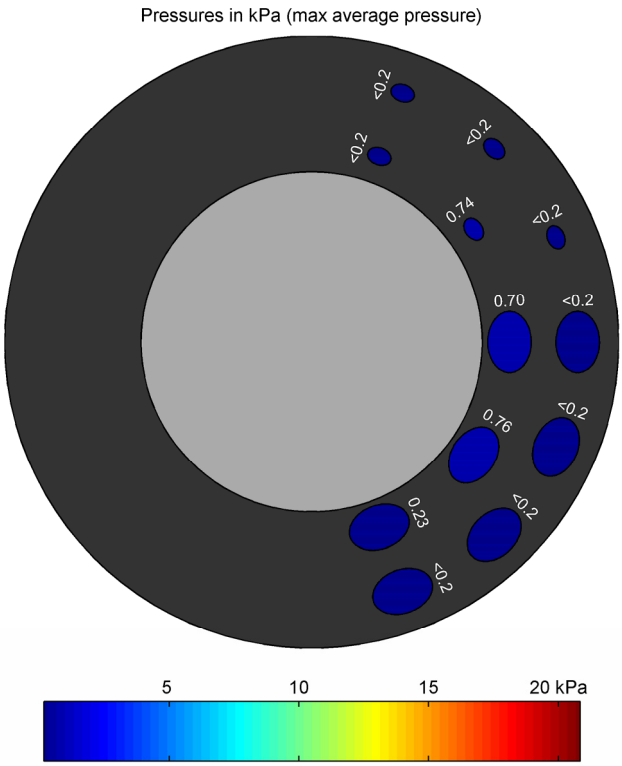
	2%	0.5%	0.1% (max)
Ru [m]	0.144	0.159	0.185
P1 [kPa]	0.30	0.85	1.08
P2 [kPa]	0.23	0.59	1.02
P3 [kPa]	0.00	0.26	0.61
P4 [kPa]	0.00	0.00	0.73
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.37
P8 [kPa]	0.36	0.74	1.39
P9 [kPa]	0.22	0.37	2.04
P10 [kPa]	0.46	0.58	0.83
P11 [kPa]	0.00	0.00	0.24
P12 [kPa]	0.20	0.25	0.30
Max. Pressure [kPa]	0.46	0.85	2.04
Cs (max pressure)	5.0	3.7	4.2





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.185
P1 [kPa]	0.70
P2 [kPa]	0.76
P3 [kPa]	0.23
P4 [kPa]	0.02
P5 [kPa]	0.00
P6 [kPa]	0.00
P7 [kPa]	0.00
P8 [kPa]	0.74
P9 [kPa]	0.00
P10 [kPa]	0.15
P11 [kPa]	0.05
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.24
Cs (average pressure)	0.5



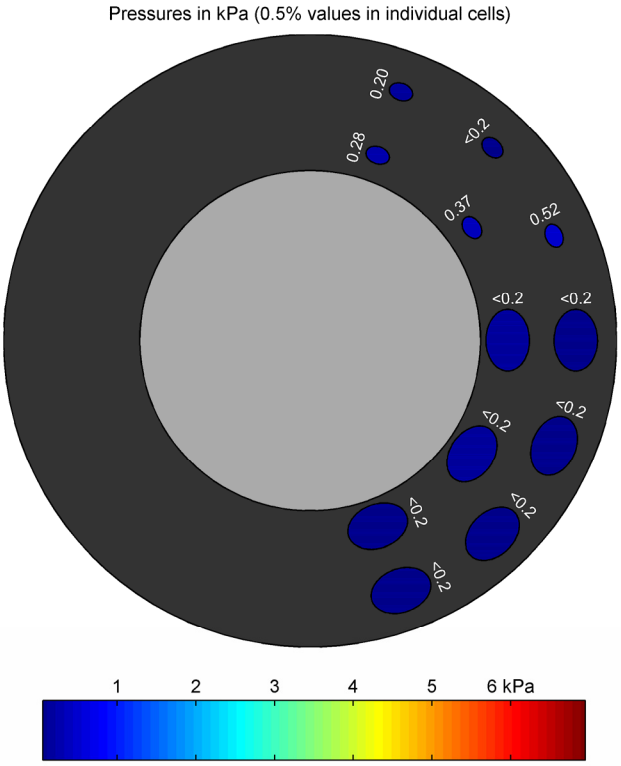
B.26 Test 76 (h/D = 2, $H_{m0}/h = 0.35$, $s_{0p} = 0.035$)

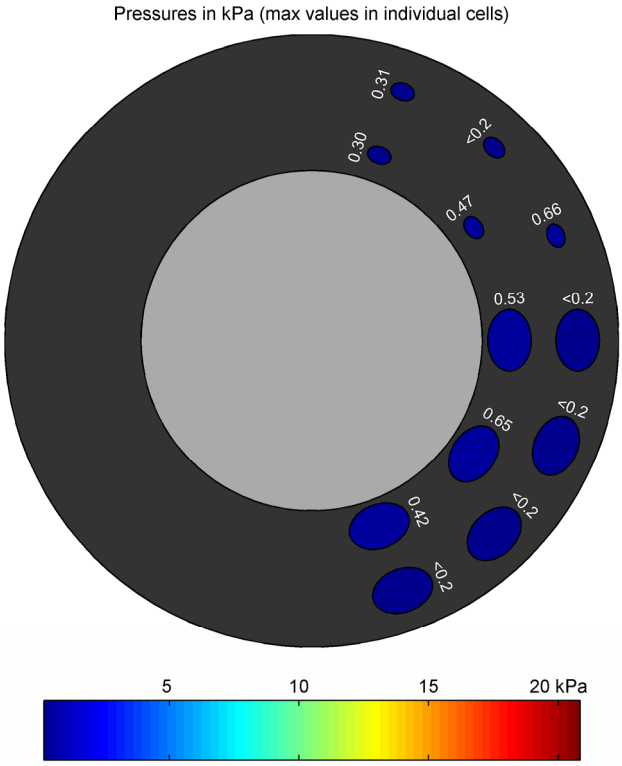
Incident wave parameters at structure determined from the calibration test:

Wave data	Run-up data	Pressure data	$z_{platform}$ [m]	h [m]	H_{m0} [m]	T_p [s]	H_s [m]	$H_{2\%}$ [m]	H_{max} [m]
test117.dat	RunUp_Test_005.dat	Pressure_ConePlatform_076.dat	0.11	0.2	0.070	1.13	0.067	0.087	0.098

Measured maximum pressures in the individual pressure transducers and calculated maximum slamming coefficients:

	2%	0.5%	0.1% (max)
Ru [m]	0.097	0.122	0.145
P1 [kPa]	0.00	0.19	0.53
P2 [kPa]	0.00	0.19	0.65
P3 [kPa]	0.00	0.00	0.42
P4 [kPa]	0.00	0.00	0.00
P5 [kPa]	0.00	0.00	0.00
P6 [kPa]	0.00	0.00	0.00
P7 [kPa]	0.00	0.00	0.00
P8 [kPa]	0.00	0.37	0.47
P9 [kPa]	0.00	0.28	0.30
P10 [kPa]	0.00	0.52	0.66
P11 [kPa]	0.00	0.00	0.00
P12 [kPa]	0.00	0.20	0.31
Max. Pressure [kPa]	0.00	0.52	0.66
Cs (max pressure)		4.3	1.9





Measured pressures in the individual pressure transducers that correspond to maximum average pressure over the Phillips pressure cells. The calculated slamming coefficient on this average pressure is also given.

	0.1% (max)
Ru [m]	0.145
P1 [kPa]	0.52
P2 [kPa]	0.29
P3 [kPa]	0.03
P4 [kPa]	0.03
P5 [kPa]	0.02
P6 [kPa]	0.00
P7 [kPa]	0.02
P8 [kPa]	0.24
P9 [kPa]	0.01
P10 [kPa]	0.00
P11 [kPa]	0.03
P12 [kPa]	0.00
Mean. Pressure over P1 to P7 [kPa]	0.13
Cs (average pressure)	0.4