**Comparison of AQWA input file to OrcaWave input file**

1. AQWA line 21202 Inertia values different than OrcaWave lines 93-95

AQWA

98000 PMAS 8.3573E+09 0.0000E+00 0.0000E+00 1.1296E+11 0.0000E+00 1.2218E+11

OrcaWave

BodyInertiaTensorRx, BodyInertiaTensorRy, BodyInertiaTensorRz:

[8.35728e6, 0, 0]

- [0, 112.96e6, 0]

- [0, 0, 122.18e6]

1. Wave period selection is too course, need additional periods. New AQWA RAOs do not compare well to previous AQWA RAOs. I would suggest using 4, 5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 10, 11, 13, 17, 22

Updated

1. OrcaWave – External Damping matrix, lines 105 to 109, Why is there a value of 36.01e3 on line 109 for Mx, while all other values are 0.0?

Add damping consistently between files? Add for AQWA consistent external damping?

Made additional damping zero for both runs.

1. Body Mass are not identical

AQWA – 44.082 E3 (LIS file – cannot be updated) (Update both to match?)

OrcaWave – 45.184 E3

1. Acceleration in AQWA set to 9.807, OrcaWave acceleration is not explicitly defined in the input file. There is a command calling for SI units. They are same