OPTIMOOR Diary of Principal Developments

6.4.8

- 27 Jun 18 Fixed bug where wind or current rose failed to take into account wave motion (WRM)
- 1 Apr 18 Sweep no longer initialises time or Pull-in, allowing sweep for any condition between initial and final time
- 15 Mar 18 Fixed minor difference after sweep between max tensions displayed and max tensions reported
- 9 Mar 18 Removed glitch in deleting segment with lump Wt (Plus)

6.4.7

22 Feb 19 Fixed bug introduced version 6.4.5 causing failure to recover file names on list of previous cases at start up

6.4.6

- 5 Feb 18 Value of loaded Cb now correctly reported (Dynamic with WRM)
- 25 Jan 18 Fixed bugs in setting up tug forces on Guest ship (Dynamic with S2S)
- 23 Jan 18 Anomaly fixed when current drag data for cruise ship is extrapolated beyond its range of draft to water depth ratios

6.4.5

- 20 Dec 17 Fixed incorrect display of STS fender positions if Guest yaws. Results are unaffected (Plus with S2S)
- 16 Dec 17 Removed anomalies on menu for choosing lines to display when plotting simulation (Dynamic)
- 14 Dec 17 Fixed occasional failure to display fender pressure
- 13 Dec 17 Correct for moment due to offset friction between ships (Dynamic with S2S)
- 12 Dec 17 Fixed failure to suppress any velocity inherited from dynamic mode after changing to static mode (Dynamic)
- 11 Dec 17 Report velo at target in dynamic simulation (Dynamic)
- 10 Dec 17 Correct phase of heave motion between ends of S2S lines (WRM with S2S)
- 4 Dec 17 Fixed overflow problem calculating fender contact areas when fenders defined far beyond ends of vessel
- 3 Dec 17 Warning shown if LAN is searched for berth or vessel files (very slow if not found)
- 2 Dec 17 Fixed inconsistency in sweep results for fender forces

6.4.4

- 4 Oct 17 Fixed bug in dynamic wave drift force, failing to update sufficiently frequently (Dynamic with WRM)
- 3 Oct 17 Increase maximum collar deflection from 1m to 10m (Plus)
- 2 Oct 17 Width or height of fenders cannot be zero, but default to 3m (10ft) and ½width respectively

6.4.3

- 22 Sep 17 Improved access to default folder for batch files (Plus)
- 13 Sep 17 Enable graphical positioning of S2S fenders
- 11 Sep 17 Remove restriction on transverse position of ship manifold target
- 6 Sep 17 Improvements to area of fender contact
- 29 Aug 17 Targets on loadout vessel now chosen by user, same as for normal ship (Plus)
- 28 Aug 17 Allow encrypted drag data

6.4.2

- 16 Aug 17 Now always report which bollards are in use even if no force on them
- 8 Aug 17 Fixed problem displaying min clearance under Guest (Dynamic with S2S)
- 19 Jul 17 Smoothed display of wave motion limits for rose and limit curve (WRM)
- 18 Jul 17 Sharpen bow of hull drawn in Site Arrangement and reduced step used to move and scale background image if used

6.4.1

- 14 Jun 17 Fixed bug not identifying worst line loads in Time Sweep
- 8 Jun 17 Fixed occasional failure to display pier markers
- 1 Jun 17 Option added for own user-defined RAO's (WRM)

6.4.0

- 29 May 17 Fixed intermittent error shielding waves locked to wind when the shielding option switched on in berth window
- 22 May 17 Fixed bug in calculating relative wave motion between targets (WRM with S2S)
- 14 May 17 Now displays total bollard/anchor load and percentage of strength
- 12 May 17 Fixed problem with removal of single lines in batch mode for sweep and rose (Plus)
- 11 May 17 Fixed inconsistency of sign convention in simulation of sway excursion (Dynamic)
- 3 May 17 Option to allow fender to float automatically at WL

- 23 Apr 17 Start-up position for Guest ship now specified relative to Host, not berth coordinates (Dynamic with S2S)
- 13 Apr 17 Fixed bug in calculating drag of ship through water with current in dynamic simulation (Dynamic)
- 11 Apr 17 Fixed failure to trigger wave response in batch mode (Plus with WRM)
- 4 Apr 17 Legend on simulation plot indicated excursion at centre, changed to excursion at target
- 20 Mar 17 Fixed bug at start-up which indicated fairleads measured from midship but displayed from AP
- 17 Mar 17 Fixed position error when transom of loadout vessel not same as AP (Plus)

6.3.10

- 28 Feb 17 Maximum bollard/anchor uplift now reported after sweep
- 27 Feb 17 Option to specify if winch brakes fade (fail) after slippage = 33% of vessel breadth (Dynamic)
- 22 Feb 17 Fixed glitch on display of maximum permitted bollard/buoy load
- 21 Feb 17 Fixed failure to specify friction on Ship2Ship fenders (Dynamic with S2S)
- 14 Feb 17 Fixed glitch plotting forces on undefined fenders (Dynamic)
- 13 Feb 17 Corrected interchange of direction and period in dynamic set up of waves (Dynamic)
- 10 Feb 17 Fixed bug in selection of bollard forces in simulation plot (Dynamic)

6.3.9

- 24 Jan 17 Fixed bug caused if tail is longer than distance from bollard to fairlead
- 20 Jan 17 Smoothed some curves on capability roses by interpolation
- 12 Jan 17 Anomalous spikes on capability roses reduced by re-setting slippage on lines for each increment

6.3.8

- 14 Dec 16 Batch jobs speeded up by temporarily suppressing display of mooring window (Plus)
- 13 Dec 16 Fixed occasional failure to recalculate spectrum after changing wave period (WRM)
- 10 Dec 16 Fixed problem identifying worst excursions in batch mode (Plus)
- 6 Dec 16 Option to exclude/include chain lines when automatically removing lines sequentially in batch (Plus)
- 5 Dec 16 Changing units now automatically changes batch data to match (Plus)
- 4 Dec 16 Fixed failure to save newly-typed data unless cursor moved after updating (spreadsheets OK)
- 2 Dec 16 Target on correct side of Host now used to report Host offset when starboard to side (S2S)
- 30 Nov 16 Fixed failure to display worst directions for current and sea-wave sweep
- 21 Nov 16 Automatically cleans up corrupted vessel files where feasible
- 11 Nov 16 Fixed bug preventing initialisation after plotting wave rose if wave height zero (WRM)
- 5 Nov 16 Latest batch file automatically loaded (Plus)
- 3 Nov 16 Fixed various bugs with using sweep in batch mode (Plus)
- 10 Oct 16 Made fibre tail colours alternate to identify the segment lengths
- 7 Oct 16 Max allowable load can now be specified for buoy as well as bollard (Plus)
- 6 Oct 16 Limit on gap between Host & Guest increased from 10 m to maximum 100 m (S2S)
- 5 Oct 16 Option to hide display of pier
- 6 Sep 16 Height of anchor above seabed now correctly reported when USA units chosen (Plus)
- 3 Sep 16 Adjustable pier can now be shown on loadout site arrangement (Plus)

6.3.7

- 26 Aug 16 Ship2Ship fender load-compression curves now display properly (S2S)
- 16 Jul 16 Equilibrium start in Dynamic mode now properly allows for Other Forces (Dynamic)
- 15 Jul 16 Exceeding bollard limit no longer disconnects attached lines (Dynamic)
- 14 Jul 16 Correction to scale for wind & current rose in USA units
- 13 Jul 16 Static Other Force is now added Other Forces in Dynamic setup (Dynamic)
- 29 Apr 16 Double clicking on Guest ship now generates new fairlead on Guest, not incorrectly on Host (S2S)

6.3.6

- 19 Apr 16 Fixed various glitches in display of lines, no change to numerical results
- 15 Apr 16 Fixed error reporting percent of bollard strength in USA units.

6.3.5

29 Mar 16 Fixed failure to display all wave motions at targets (WRM)

6.3.4

28 Mar 16 Presence of Other External Force noted on Rose and Sea State Limit diagrams

- 22 Mar 16 Fixed errors (introduced version 6.3.0) in calculating wave drift force (WRM)
- 21 Mar 16 Fixed bug with shielding waves locked to wind direction during wind sweep
- 11 Mar 16 New batch feature to remove each line in turn automatically, one at a time (Plus)

6.3.3

- 27 Feb 16 Improved accuracy at large yaw angles for end-on loadout (Plus)
- 24 Feb 16 Clarified display of excursions for loadout (Plus)
- 10 Feb 16 Other Static Force now retained irrespective of any others set up in dynamic Force History (Dynamic)

6.3.2

- 28 Jan 16 Bug fixed setting default data on opening batch window (Plus)
- 25 Jan 16 Rose now allowed for times after initial, without forcing any re-initialisation
- 22 Jan 16 Sweep now allowed for times after initial, without (as previously) forcing re-initialisation

6.3.1

- 4 Jan 16 Streamline output from batch sweep (Plus)
- 31 Dec 15 Flag note if pre-tension not specified
- 18 Dec 15 Trap out waves steeper than about 0.1 of wavelength (WRM)
- 12 Dec 15 Cured problem of spikes to dynamic simulation with waves and changing draft (WRM)
- 9 Dec 15 Draft and trim etc now displayed to 2 decimals
- 8 Dec 15 Clean up repetition of error warnings when starting dynamic simulation (Dynamic)
- 26 Oct 15 Wave motion at target of Host displayed wrt berth axes, and for Guest wrt Host axes (Ship2Ship with WRM)
- 19 Oct 15 Remove all "new" rope data as misleading and only applicable for setting up new permanent moorings
- 14 Oct 15 Line tension limits associated with vessel data, not the case data.
- 9 Oct 15 Batch window now cannot be exited during batch run (Plus)
- 8 Oct 15 Excursion less than 10 displayed to 2 decimal points
- 5 Oct 15 Sweep in batch now calculates at 5° intervals not 10° (Plus)

6.3.0

- 7 Jul 15 Horizontal bollard force as percent of strength added to report
- 13 Jun 15 Removed restrictions on tail connections going through a fairlead tails can now be any length
- 14 May 15 Contact area corrected if fender partially above deck level
- 28 Feb 15 Force history can now be applied to both Guest and Host (Dynamic)
- 20 Feb 15 Display relative excursions at Guest target (Ship2Ship)
- 19 Feb 15 Show mode of analysis on Arrangement plan
- 22 Oct 14 Converted current from m/s to knots when displayed at top of dynamic simulation output file (Dynamic)
- 18 Sep 14 Small improvement to formula for natural roll period
- 29 Aug 14 Differentiate port & stbd targets on vessel
- 20 Jun 14 Relative motions between targets implemented (WRM with Ship2Ship)
- 17 May 14 Allow for phasing of wave motions in S2S moorings, previously random phasing (WRM with Ship2Ship)
- 27 Apr 14 Option to set up OCIMF conditions in batch mode (Plus)
- 20 Apr 14 Option for bight to sheave on buoy (effectively 3 lines from ship to buoy controlled by one line from shore to buoy)
- 21 Jan 14 Zero line diameter no longer defaults to 50mm
- 18 Aug 13 Now allows deletion of line diameter in vessel file without it automatically being restored to 30mm
- 8 Jul 13 Allow flat side to extend 20% outside Lpp
- 19 Jun 13 Right click popup menu to copy/paste added to Dynamic setup window (Dynamic)
- 1 May 13 If wave period not set, now defaults to 6 for wave, 10 for swell, 25 for seiche

6.2.9

- 20 May 14 If Bollard strength exceeded now all lines to that bollard are disconnected (Dynamic)
- 7 Apr 13 Fixed bug displaying wave component of excursion at target in Dynamic mode (Dynamic with WRM)

6.2.8

- 31 Mar 13 Increased default roll damping from 5% to 10% (WRM)
- 25 Mar 13 Bug fixed when deleting/removing bight lines

6.2.7

17 Mar 13 Seiche now simulated as sinusoidally varying force, not constant (Dynamic)