

FOREWORD

THE SIMBAD POST-PROCESSING PROGRAM PROVIDES, FROM THE SIMBAD CALCULATION RESULTS:

- PLOTS OF TIME SERIES OF MOORING LINE AND FENDER LOADS
- PLOTS OF MOTIONS, SPEEDS AND ACCELERATIONS AT THE CENTER OF GRAVITY AND AT OTHER POSSIBLE POINTS OF THE SHIP

THESE RESULTS CAN BE ALSO POST-PROCESSED, IN ORDER TO OBTAIN:

- TABLES OF RESULTS, INCLUDING:
 - \blacktriangleright Minimum and maximum values over the time series, F1/3 and F1/10 values that are the mean of 3^{RD} or 10^{TH} highest part of the time series distribution
 - ➤ THE MAXIMUM AND MINIMUM STATISTICAL VALUES GIVEN RESPECTIVELY BY: AVERAGE VALUE + OR 3.8 X STANDARD DEVIATION

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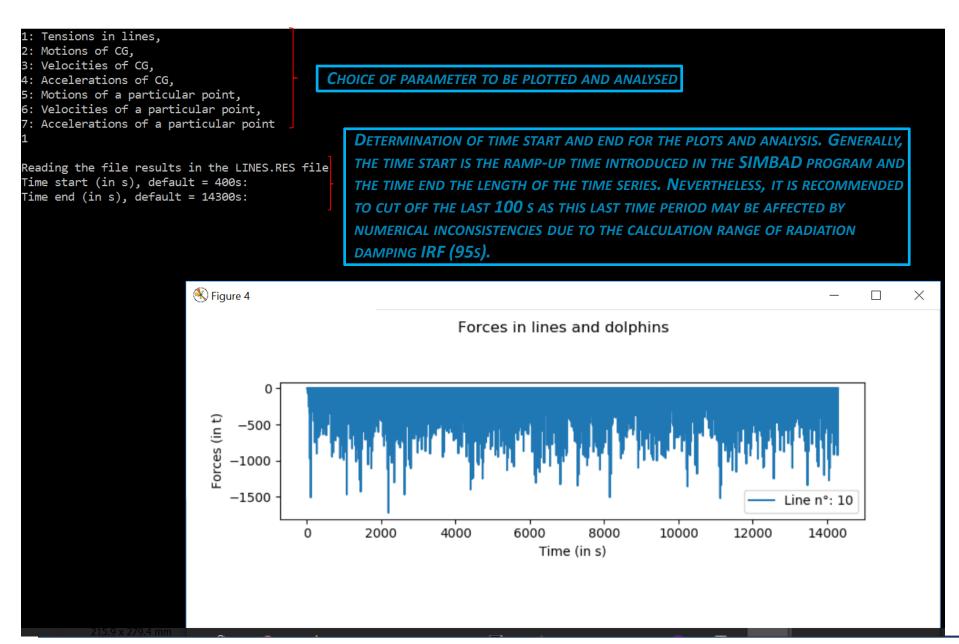
THE INPUT DATA ARE READ FROM THE SIMBAD OUTPUT FILES: "*.RES"

RESULTS ARE WRITTEN INTO DIFFERENT OUTPUT FILES:

- ➤ "MAX_MIN.TXT", FOR MOORING LINE AND FENDER LOADS
- **►** "MOTIONCG.TXT", FOR THE MOTIONS, VELOCITIES OR ACCELERATIONS OF CENTRE OF GRAVITY
- ➤ "MOTIONPT.TXT", FOR THE MOTIONS, VELOCITIES OR ACCELERATIONS OF A SPECIFIC POINT

THESE FILES ARE DESCRIBED IN DETAILS HEREAFTER.

RUNNING THE SIMBAD POST-PROCESSING PROGRAM: AN EXAMPLE OF RUN IS GIVEN HEREAFTER



RUNNING THE SIMBAD POST-PROCESSING PROGRAM: RESULT FILE "MAX_MIN.TXT", FOR MOORING LINE AND FENDER LOADS

		Forces				
Line n°:	Min	Max	Minst.	Maxst.	F1/3	F1/10
1	0.00	112.10	0.00	92.94	65.15	77.77
2	0.00	118.40	0.00	98.62	68.84	82.36
3	0.00	113.80	0.00	94.30	66.07	78.82
4	17.99	42.29	14.94	36.82	32.02	34.48
5	16.55	50.38	13.37	43.08	36.81	40.20
6	0.00	153.30	0.00	120.83	84.34	101.36
7	0.00	158.60	0.00	124.87	86.85	104.66
8	0.00	151.50	0.00	120.05	83.51	100.69
9 -1	521.00	0.00	-921.08	0.00	-813.07	-1013.06
10 -1	720.00	0.00	-973.65	0.00	-890.24	-1125.18

MINIMUM AND MAXIMUM VALUES, MAXIMUM AND MINIMUM STATISTICAL VALUES, F1/3 AND F1/10 VALUES

RUNNING THE SIMBAD POST-PROCESSING PROGRAM: RESULT FILE "MOTIONCG.TXT", FOR THE MOTIONS, VELOCITIES OR ACCELERATIONS OF CENTRE OF GRAVITY

	Mo	otion				
Type:	Min	Max	Minst.	Maxst.	F1/3	F1/10
SURGE	-0.049	0.0724	-0.062	0.0815	0.0458	0.0567
SWAY	-2.676	1.12	-2.193	1.6435	-1.274	-1.668
HEAVE	-1.281	1.381	-1.284	1.2818	-0.671	-0.857
ROLL	-3.81	3.443	-3.760	3.5198	-2.010	-2.520
PITCH	-0.034	0.0414	-0.037	0.0403	0.0220	0.0274
YAW	-0.494	0.3937	-0.498	0.4167	-0.268	-0.335

MINIMUM AND MAXIMUM VALUES, MAXIMUM AND MINIMUM STATISTICAL VALUES, F1/3 AND F1/10 VALUES

RUNNING THE SIMBAD POST-PROCESSING PROGRAM: RESULT FILE "MOTIONPT.TXT", FOR THE MOTIONS, VELOCITIES OR ACCELERATIONS OF A PARTICULAR POINT

Motion						
Type:	Min	Max	Minst.	Maxst.	F1/3	F1/10
X	-2.772	1.215	-2.763	1.7640	-1.423	-1.761
Υ	-1.156	0.5952	-0.981	0.6425	-0.556	-0.728
Z	-0.986	0.7788	-0.849	0.7255	-0.469	-0.584

MINIMUM AND MAXIMUM VALUES, MAXIMUM AND MINIMUM STATISTICAL VALUES, F1/3 AND F1/10 VALUES