FLOODSTAND
FP7-RTD- 218532

Integrated flooding and standard for stability and crises management

WP1:

Concept Ship Design A

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Abstract:
The design of sample ship 1 is documented by a general description, GA and data model

CONTENTS

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1. EXECUTIVE SUMMARY

This report contains the basic description of the concept ship A to be used in the other work packages.

This sample ship is a Post Panama sized cruise ship with size of 125000GT. It is designed for world wide cruises with capacity of total 5600 persons onboard. The design of the vessel shall fulfill relevant international rules and regulations.

The data of the vessel is described in form of a general arrangement plan and a 3D data base, both detailed as usual for a pre-contractual stage.

In addition the compliance with damage stability rules according MSC.216(82) known as SOLAS2009 has been shown.

2. Introduction

In way of the research project FLOODSTAND a number of calculations will be carried out by various partners. To be as close as possible to the reality the involved shipyard will supply deigns of modern cruise ships, which may be used by all partners as sample ships.

In this document the concept ship A is presented.

3. General Description of the Ship

The sample ship concept is Post Panama sized modern cruise vessel with life saving appliances for 5550 persons onboard in long international traffic. The vessel is mono hull design with seven main fire zones and a watertight design subdivision below the bulkhead deck. The size of the ship is approximately 125000 GT.

Most of the passenger cabins are in the superstructure, but there are more cabins located in the hull. Passenger public spaces are located on three decks in the hull. Further public spaces and sun decks are located on the top of the vessel.

The vessel has a diesel-electric type propulsion plant located in two watertight compartments. Two electric propulsion motors are located in separate watertight compartments, protected with compartments on each side.

The ship has following main characteristics:

Length overall	abt. 327 m
Length at design water line	abt. 300,7 m
Breadth at design water line	37,4 m
Design draught, moulded	8,50 m
Max. draught, moulded	8,80 m
Life saving equipment capacity (total)	5600 persons

More detailed information considering the concept ship A is presented in annex 1.

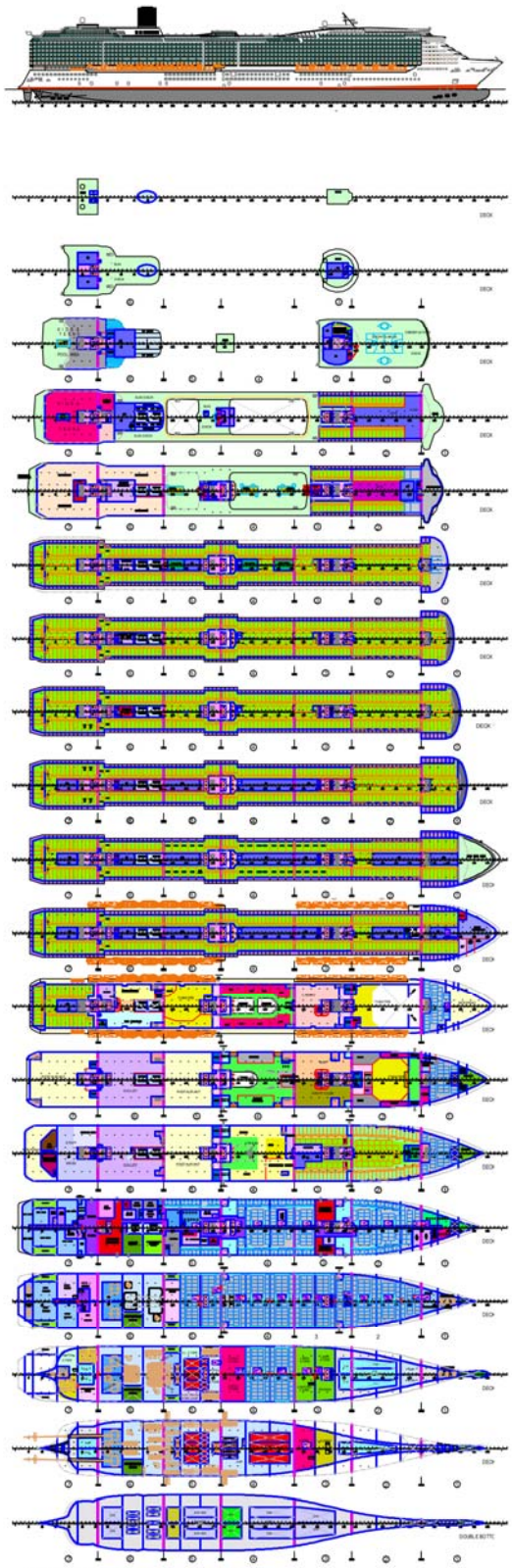
4. Regulations

The design complies with all relevant IMO rules and regulations applicable for ships with keel laying after 1 July 2010, which includes following codes.

- SOLAS1974 as amended, including MSC216(82), probabilistic damage stability and safe return to port
- Load line Convention
- MARPOL, including fuel oil tank protection

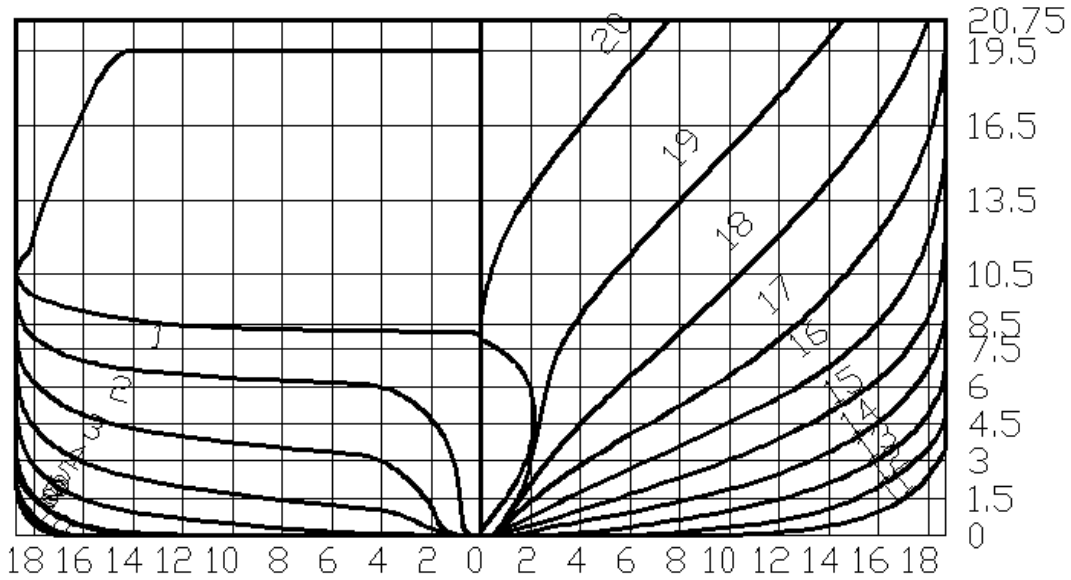
5. General Arrangement

The following figure shows the General Arrangement plan, which is also available as separate drawing in annex 2.



6. Hull form

The vessel is mono hull design with bulbous bow and traditional diesel-electric propulsion. The hull form is shown in the figure below and is part of the 3D model. The lines drawing of the design is presented in annex 3.

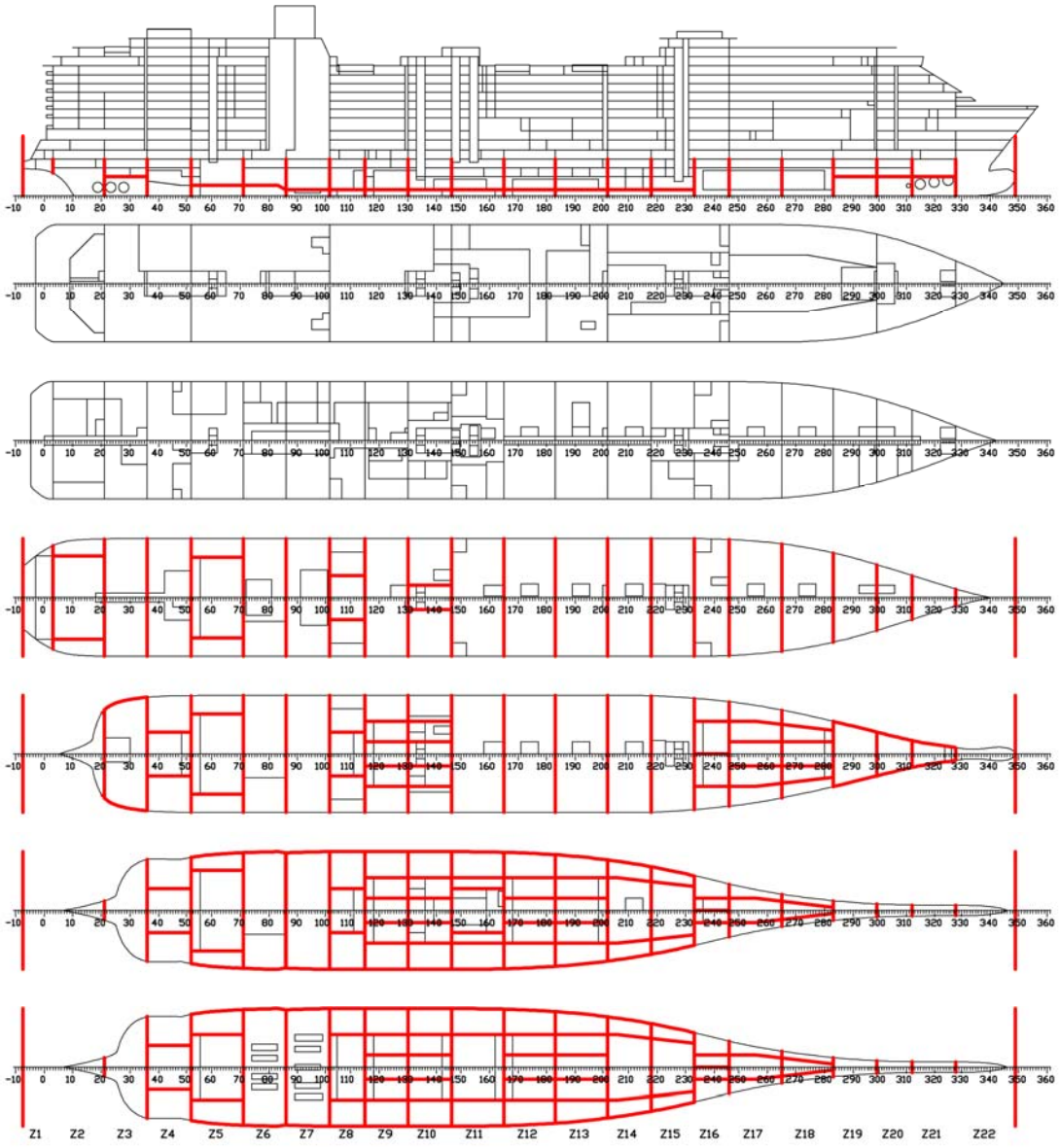


7. Watertight Subdivision

The ship is divided into 22 watertight compartments below the bulkhead deck (deck 4). Above the bulkhead deck the spaces have been divided into partial watertight compartments. Partial watertight bulkheads are located above the transversal watertight bulkhead on bulkhead deck. Where partial watertight bulkheads are not installed straight above the watertight bulkhead the effectively watertight deck area has to be applied in accordance with regulation 17. Such watertight areas are located sides on deck 5 along the ship's length.

For comply the usual redundancy requirement the propulsion plant is divided in two different watertight compartments. Two electric propulsion motors are also located in separate watertight compartments.

The watertight subdivision used in the damage stability calculations is shown in the following drawing.



8. Damage Stability Calculations

Damage stability calculations according SOLAS2009 (MSC.216(82)) have been carried out.

Required index according to regulation 6:

$$R = 1 - \frac{5000}{Ls + 2{,}5N + 15225}$$

where:

Ls = Subdivision length
N = N1 + 2* N2

N1 = persons in lifeboats
N2 = persons in excess of N1

For the sample ship A the required index has been calculated with following parameters:

Subdivision Length	315,673 m
Number of persons N1	4200
Number of persons N2	1400

Required subdivision index for the ship A: R= 0,84867

The attained index has been calculated according the Solas 2009 and explanatory notes MSC.1/Circ. 1226. Detailed documentation of the calculation is presented in annex 3.

Attained subdivision index for the ship A: A=0,87079

9. Data model

A 3D data model has been used to calculate the damage stability requirements and is available in way of a NAPA database if needed by the partners.

10. References

/1/ Safety of life at Sea SOLAS, International Maritime Organization, London

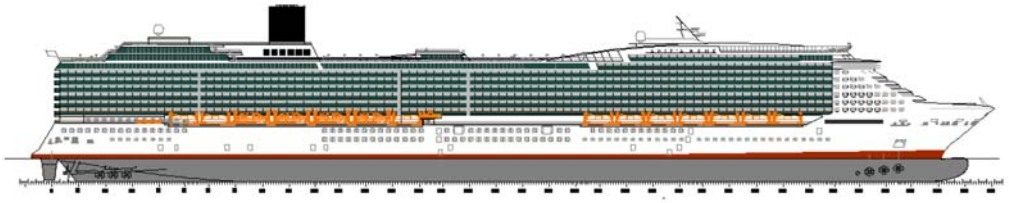
/2/ MSC.216(82), International Maritime Organization, London

/3/ MSC.1/Circ. 1226 Interim explanatory notes to the SOLAS chapter II-1 subdivision and damage stability regulations

11. Annex 1 Data Sheet

125000 GT Cruise Vessel
Floodstand Project

stx Europe



General

Project	Floodstand
Name	Ver A
Yard	STX Europe

Main Dimensions

Length overall, abt.	327	m
Length at design water line	300,7	m
Breadth at design water line	37,4	m
Heiht to bulkhead deck	11,6	m
Design draught	8,5	m
Design max	8,8	m
Tonnage	125000	GT

Lifesaving

Max persons on board	5600
Max number of passangers	4200
Number of crew	1400
Number of tender boats	8
Capacity of tederboats	150
Number of lifeboats	20
Capacity of lifeboats	150

Ratios

GT/Stateroon	75,1
GT/Lower bed	37,6
Pax/Crew	3,0

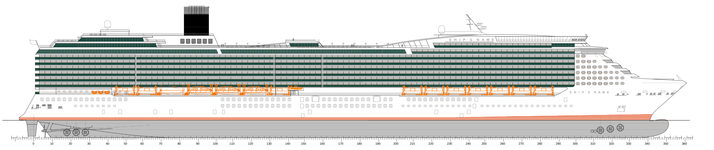
Passenger Accommodation

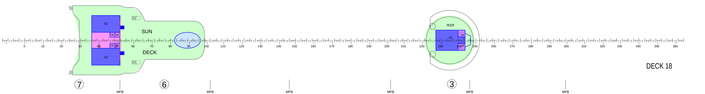
Grand suite	2	pcs
Suite with balcony	27	pcs
Deluxe with balcony	207	pcs
Panorama with balcony	12	pcs
Outside with balcony	999	pcs
Deluxe Outside	20	pcs
Outside	75	pcs
Inside	281	pcs
ADA compliant suite w. balcony	1	pcs
ADA compliant deluxe w. balcony	6	pcs
ADA compliant outside w. balcony	24	pcs
ADA compliant outside	2	pcs
ADA compliant inside	8	pcs
Staterooms:	1664	pcs
Total lower beds	3328	
Max load factor	126 %	
Balcony ratio	76,8 %	
Outside ratio	82,6 %	
Inside ratio	17,4 %	

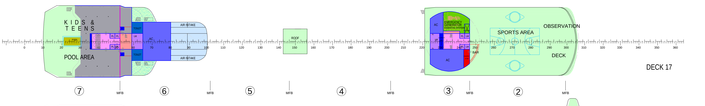
Crew Accommodation

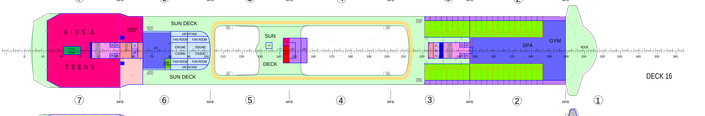
Master class	4	pcs
Senior officer	6	pcs
Officer singles	82	pcs
Officer doubles	38	pcs
Petty officer (double)	160	pcs
Entertainer cabin	12	pcs
Crew double(inside)	448	pcs
Crew Cabins:	750	pcs
Total crew beds	1396	

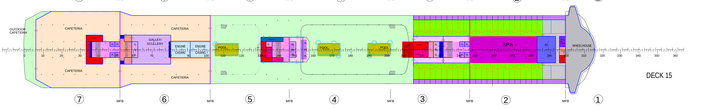
12. Annex 2 General Arrangement Plan

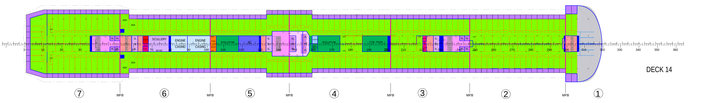


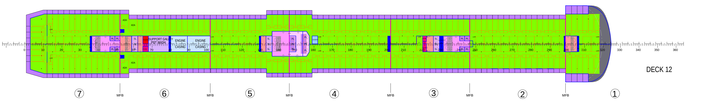


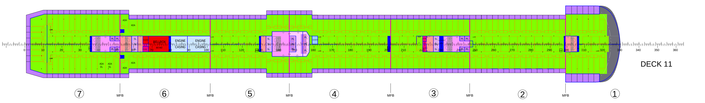


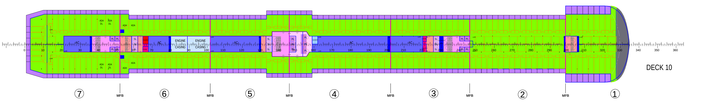


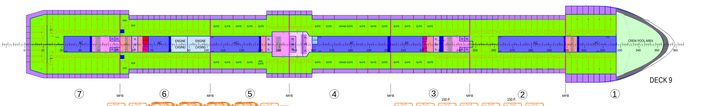


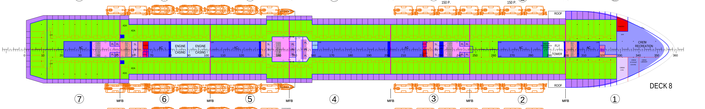


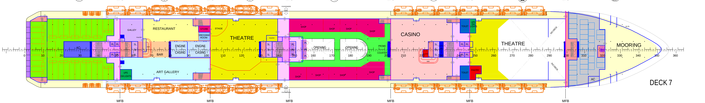


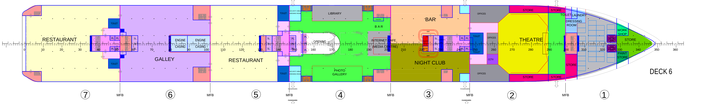


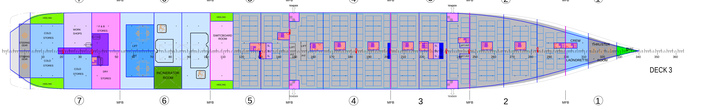


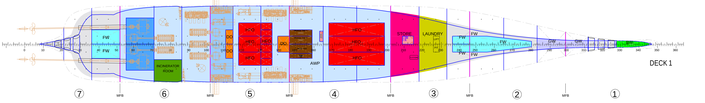


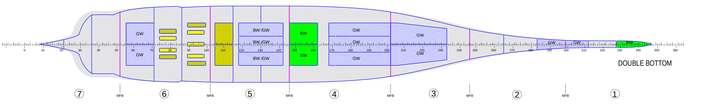






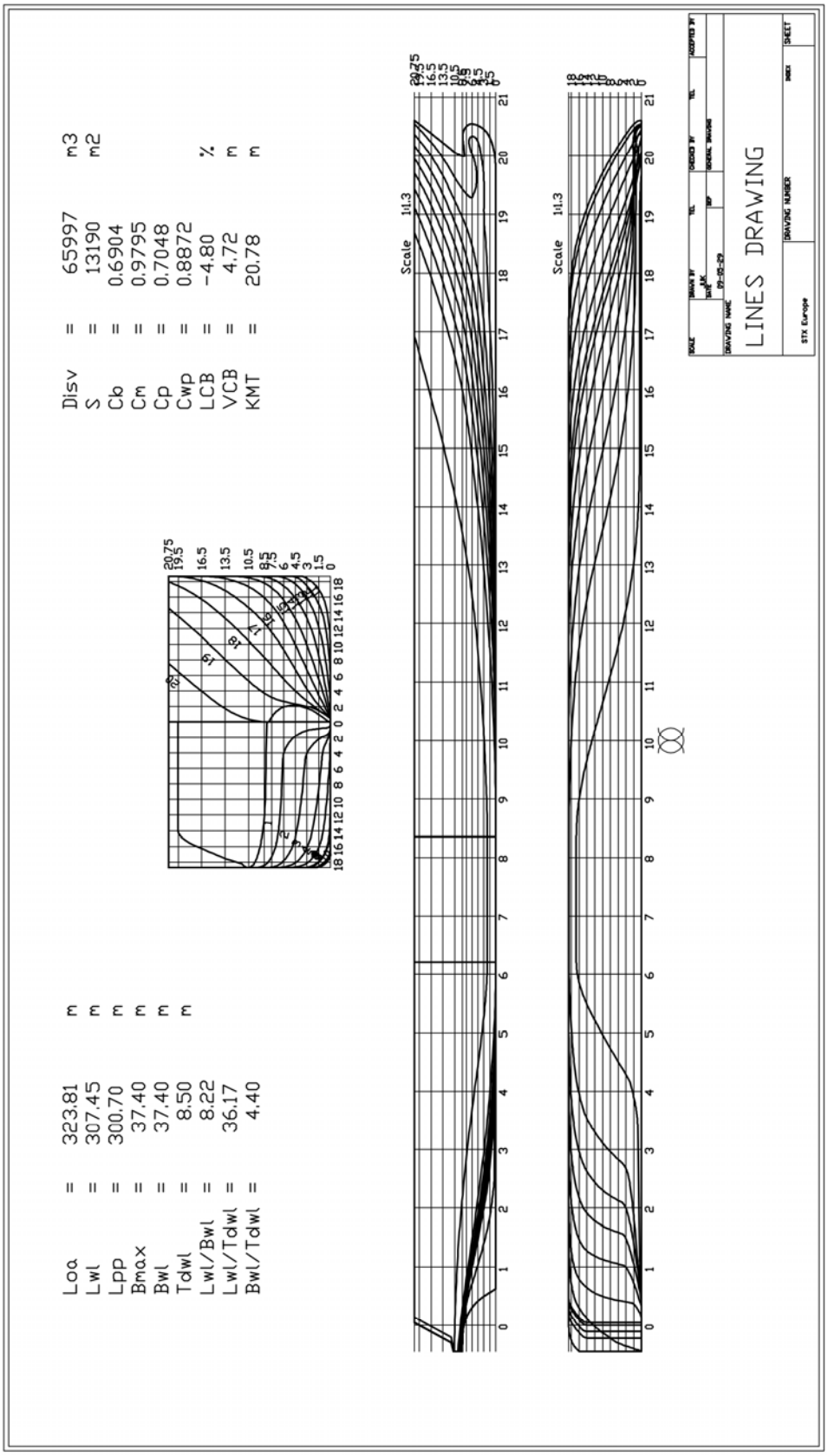






STX CRUISE SHIP
STX FINLAND CRUISE / TURKU
VER A

13. Annex 3 Lines Drawing



14. Annex 4 Damage Stability Calculations

DAMAGE STABILITY CALCULATIONS

FLOODSTAND

Yard no. FLOODSTAND-A

JuK/ALR
2009-06-16

Contents

1. INTRODUCTION

The ship is the concept ship A to be used in the other work packages.
Post Panama sized modern cruise ship, large size.

Ship's name	FLOODSTAND-A
Builder	STX Finland Cruise Oy, Turku
Year of delivery	2009

The vessel will be designed to fulfil harmonised damage stability regulations as defined in MSC.216(82).

RESULT OF PROBABILISTIC DAMAGE STABILITY CALCULATIONS

Required subdivision index R = 0.84867

For the particular vessel the attained index according to regulation 7.

Attained subdivision index A = 0.87079

2. BASIC DESCRIPTION OF THE VESSEL

Dimensions;

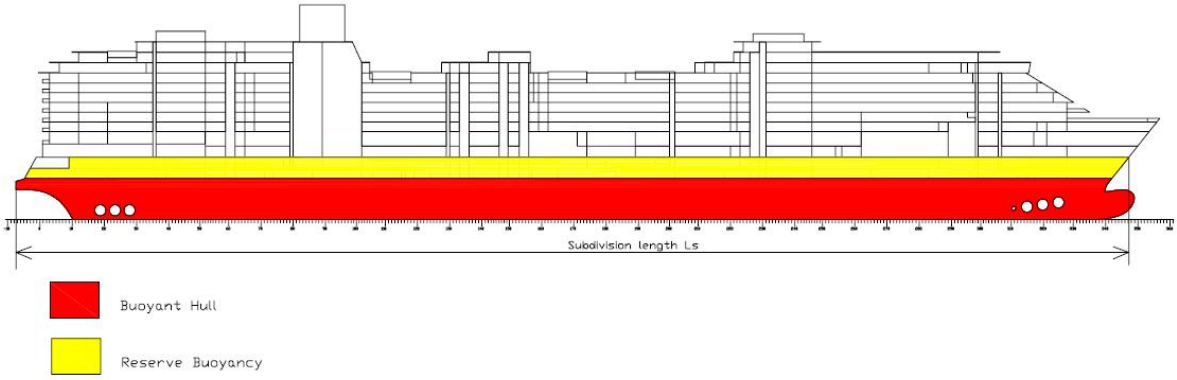
Subdivision length L_s	315.67 m
Length overall	ab. 327 m
Length between perpendiculars	300.70 m
Breadth moulded	37.40 m
Depth to bulkhead deck (2.deck)	11.60 m
Depth to boat deck (7.deck)	20.75 m
Draught, design moulded	8.50 m
Subdivision draft	8.80 m
Displacement (dens 1.025 t/m3) Tmld = 8.8 m	70920 ton
Gross Tonnage (GT)	125000
Number of passengers	4200
Number of crew	1400

3. ASSUMPTIONS WITH REGARD TO PROBABILISTIC DAMAGE STABILITY

3.1 Subdivision

Subdivision Length Ls

Subdivision length Ls is 315.67 m, which is the greatest projected length below deck 6, which also limits the damaged hull used in the calculations. Buoyant hull is extended up to bulkhead deck (deck 4). The limiting area for the reserve buoyancy is between decks 4 and 6 excluding aft mooring deck. The area of reserve buoyancy is partially watertight with defined openings (see figure below).

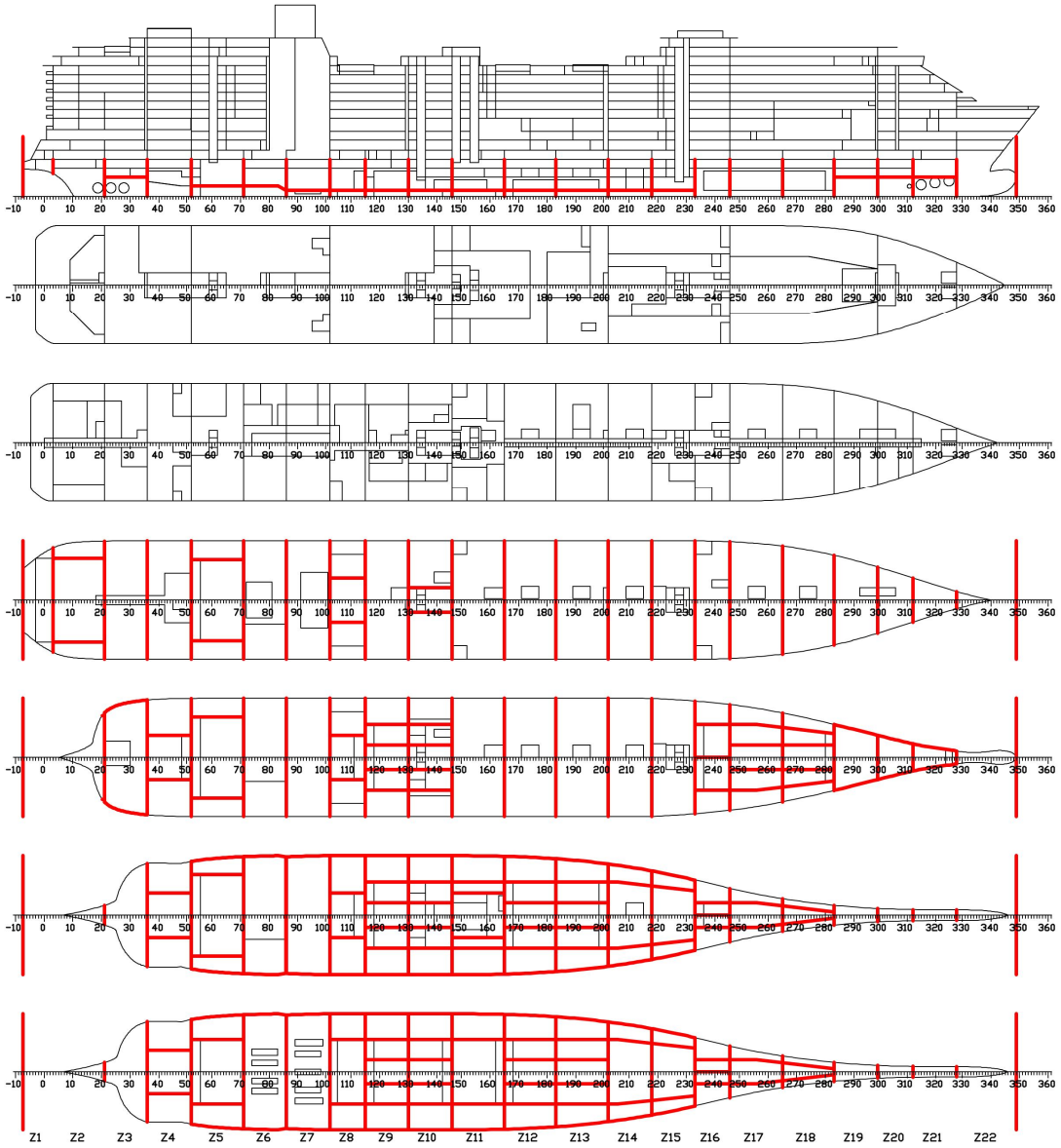


Definition of Watertight Compartments and Subdivision zones

The ship is divided into 22 watertight compartments below the bulkhead deck (deck 4). Above the bulkhead deck the spaces have been divided into partial watertight compartments. Partial watertight bulkheads are located above the transversal watertight bulkhead on bulkhead deck. Where partial watertight bulkheads are not installed straight above the watertight bulkhead the effectively watertight deck area has to be applied in accordance with regulation 17. Such watertight areas are located sides on deck 5 along the ship's length.

For comply the usual redundancy requirement the propulsion plant is divided in two different watertight compartments. Two electric propulsion motors are also located in separate watertight compartments.
There are no additional separated zones within any watertight compartment.

The watertight subdivision used in the damage stability calculations is shown in the following drawing.



The penetration depth b is measured at level of subdivision draught ds at a transverse distance from the ship side right-angled to the centreline or to the longitudinal tank bulkhead.

There are defined no “safe zone”-area near centerline. “Safe zone” means in this context such longitudinal limit, when any damage which will extend beyond this line, will cause automatically s_i-factor equal as zero.

All damages, which extend to B/2 are taken into account in probabilistic damage stability calculations. In forward part from transverse penetration of damage will extend beyond centreline.

Vertical zones are Double Bottom between frames 21-36, 52-233 and frames 283-328.

There has not been assumed in A-index calculations any vertical limit, which may prevent flooded water ingress upwards above bulkhead deck (deck 4).

There has been defined no gaps between any longitudinal subdivision zones.

Pipes and valves directly adjacent to the bulkhead (reg. 7.5)

Pipes and valves directly adjacent to the bulkhead can be considered to be a part of the bulkhead, provided the separation distance is of the same order as the bulkhead stiffening structure. The same applies for small recesses, drain wells, etc.
In our opinion the valve can be considered as a part of watertight bulkhead, if the total length of the valve including also actuator is within the girder depth. The girder is reinforced stiffener of the bulkhead. The “directly adjacent”-type valve maybe located on both sides of the bulkhead within the permitted length

3.2 Flooding assumptions

The flooding of 22 damage zones up to the B/2 penetration for port and starboard damages have been investigated.
All zones and combination of adjacent zones may contribute to the index A.
Single and multizone damages up to 3 adjacent zones have been calculated.

Internal horizontal and longitudinal zones have been considered as well as resulting minor damages.

In all damage cases have been calculated at least two filling phases (half full and full).

Intermediate stages of flooding has been taken into account in those compartments where needed.
There are no cross-flooding pipes arranged between any tanks. Both sides, P- and S-side of each dry tank located in Double Bottom is connected with cross-flooding duct of sufficient cross-section area.

3.3 Permeabilities

The permeabilities according to regulation 7-3 have been applied. No special figures for permeability are used. Where larger spaces with different permeabilities are located with in one watertight compartment, these spaces are defined as separate rooms with separate permeabilities, but they will be flooded simultaneously.

3.4 Initial conditions

The attained index has been calculated separately for both sides, port and starboard using following weighing factors for the 3 initial draughts:

Initial Case	Weighing factor
Subdivision draught	0.2
Partial draught	0.2
Lightest service draught	0.1

Initial Case	Draught /m	GM / m
Subdivision draught- ds	8.80	2.40
Partial draught - dp	8.52	2.25
Lightest Service draught - dl	8.10	1.90

As the service trim usually does not exceed 0.5% of Ls, even keel has been used for subdivision and partial service draught. At the lightest service draught the actual service trim has been applied. In this project trim is zero at lightest draught.

In general the GM values for the three draughts (light, partial and subdivision) are mainly taken from the intact stability limiting curve. Because the required index R is not obtained, the GM-values will be increased.
To fulfil regulation 5-1.2.1 concerning the requirement for the minimum operational GM-limiting curve the used GM values should correspond to the figures, which will give attained index equal to required index.

3.5 External Moments

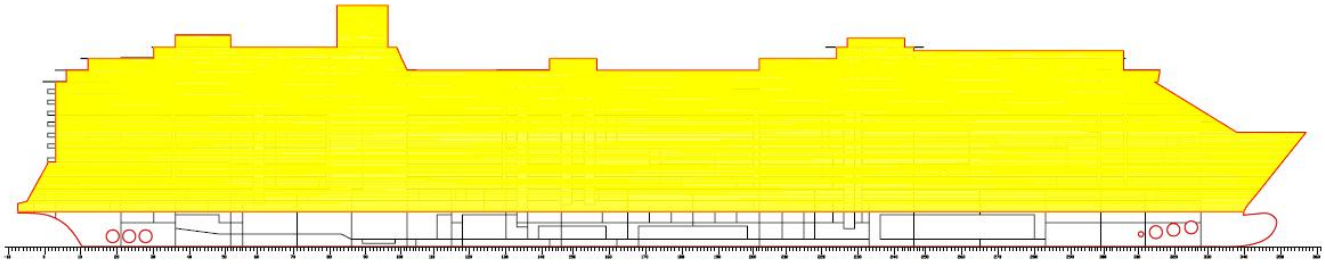
The external moments due to passenger crowding, wind and launching of survival crafts have been applied according to regulation 7-2 for all damages.

The passenger heeling moment M_{heel} are calculated with the assumption that the crowding of all passengers towards one side are distributed on boat deck areas (6.deck side) by causing the most adverse heeling moment;

- 4 persons per square metre
- a mass of 75 kg for each passengers
- number of passengers 4200
- centre of gravity from CL (0.45xB) 16.83 m

Moment = 4200 x 0.075 x 16.83 = 5300 tonm

The wind heeling moment M_{wind} are calculated for the three initial loading conditions taking into account the wind profile area as shown in figure below;



- a wind pressure 120 N/m2
- the moment arm, the vertical distance from a point at one half of the mean draught to the centre of gravity of the lateral area (T=8.8 m) 28.21 m
- at subdivision draught wind profile area 11667 m2
- at partial draught wind profile area 11753 m2
- at lightest subdivision draught profile area 11881 m2

The heeling moment $M_{survival}$ due to launching of all fully loaded davit -launched survival craft will be considerably less than passenger or wind heeling moments.

Maximum of the heeling moments M_{heel} or M_{wind} have been used in the calculations.

3.6 Intermediate stages of flooding

We assume that flooding to rooms in way of damage extent should be considered as simultaneously flooded and thus does not require studies of intermediate stage of flooding.
Calculations for intermediate stage of flooding shall be performed, whenever equalization is of duration greater than 60 s or final stability level (s_i-factor) has not been achieved within 60 seconds.

If a watertight compartment contains decks, inner bulkheads, structural elements and doors of sufficient tightness and strength to seriously restrict the flow of water, for intermediate stage flooding calculation purposes it should be divided into corresponding non-watertight spaces.
Restrictions, which will prevent free flow of water are structures of “A”-firerated and refrigerated bulkheads surrounding with non-watertight spaces inside one watertight compartment.
Calculations for intermediate stages of flooding have been applied between frames 36 and 52 (Switchboard Rm/ Machinery Space), frames 52-71 (El. Propulsion Rooms P+S in multizone damages) and frames 71-86 (Main Engine/Incinerator Rm).

3.7 Instantaneous flooding

If final safety level (s_i-factor) has been achieved in 60 seconds cross-flooding through any restrictive structure between two non-watertight spaces within same watertight compartment is assumed to flood instantaneously. Then no intermediate stages need to be considered.
Such restrictive structures in Floodstand-A are cross-ducts in U-shaped double bottom void spaces.
It shall be verified that the size of openings in the double bottom cross-duct have to be adequately large to ensure instantaneous flooding through this restrictive boundary.

Calculation method to verify instantaneous flooding;

The verification of equalization flooding within 60 seconds has been carried out by using the time-domain simulation tool developed by NAPA oy. Revised IMO Resolution A.266(VIII) allows in paragraph 4 an alternative method to provisions and for arrangements mentioned in paragraph 2 and 3 by using direct calculation for example time-domain simulations.
Time domain simulation of cross flooding will provide time-accurate results for the cross flooding time with the following conditions;

1. Air is modelled as compressible fluid
2. Pressure losses in air pipe are taken into account with a proper “k” factor
3. Since cross flooding starts from maximum heeling angle, it is reasonable to use a quasi-stationary approach. This means that the floating position is calculated statically with the simulated volumes of water. Therefore, also GZ-curve and other parameters can be calculated at each time step.

The proposed area of air pipes (10% of the cross-flooding section) is just a quess and not established on physics. Therefore a more accurate, case-specific calculations with a time domain simulation tool should be accepted for proving the sufficient area for ventilating pipes, etc.
A time domain simulation tool that solves the governing physical equations time accurately gives the case-specific cross flooding time more accurately than other simplified approximation.

3.8 Openings

Openings, which may cause a significant flooding into undamaged spaces are located on deck 4 and 5. Such openings are considered downflooding points and progressive flooding points along the decks 4 and 5 for the calculation of the GZ-curve.
Relevant downflooding openings on deck 4 and 5 are stairs and vertical escapes.
And relevant progressive flooding points on deck 4 are for example doors in service corridor.
The ends of partial watertight bulkhead areas are assumed to be relevant unprotected points in A-index calculations.

Local survival index (s_i-factor) will be noticed up to the angle, when the above mentioned unprotected points or openings are vanished within the residual stability range.
List of relevant openings is shown in item 10 on pages 48-49

3.9 Partial watertight bulkheads above bulkhead deck

To obtain sufficient survival index (s-index) the internal watertightness has been increased partially above bulkhead deck from deck 4 into deck 6.
Partially watertight bulkheads above deck 4 limit progressive flooding along bulkhead deck and downwards into intact spaces.
The limiting plane, which is basis for the form of partially watertight bulkheads (triangular shape), is based on the worst damage case scenario that contributes to local A-index.
The limiting plane consists of the worst combination of equilibrium waterline plus intermittently immersed line (required range and height of positive righting lever in final stage of flooding) or intermediate stage equilibrium plus intermittently immersed line derived from intermediate criteria.

If the range of the positive righting lever is more than 16 degrees and positive righting lever more than 0.12 m and list is less than 7 degrees in final equilibrium, then si-index will be taken as one (s_i=1). If the range of positive righting lever is less than 16 degrees, height less than 0.12 m and list between 7 and 15 degrees, local s_i-factor may be between one and zero.
The edges of partial watertight bulkheads are assumed as unprotected openings.
Local survival index (s_i-factor) will be noticed up to the angle, when the given unprotected points will become submerged.

3.10 Horizontal and vertical escape routes

Areas, which are used for evacuation from an undamaged space above or below bulkhead deck to the assembly station are considered horizontal evacuation routes. In principle no escape way from undamaged spaces should be locked by water in the final stage of flooding.

For the calculation the horizontal evacuation routes on bulkhead deck are considered only escape horizontal staircase spaces (category 2 spaces according SOLAS II-2 regulation 9). In particular the immersion of horizontal staircases on the bulkhead deck in the final stage of flooding will cause si-final = 0 in the A-index calculation.

In the concept ship A the service corridor between frames 130-303 is designed as horizontal staircase. Because the horizontal evacuation route is located outside the worst combined immersed line, there is not defined any relevant calculation points to the A-index calculation. Further there are vertical escapes on both ends of this horizontal staircase for providing always the alternative escape route to upward.

The purpose to prevent the immersion of any vertical escape will ensure the evacuation from lower intact spaces and not to obstruct the escape by water from above. In ship A partial watertight bulkheads will protect routes of vertical escapes.

3.11 Emergency Control Stations

All controls intended for the operation of watertight doors and valves of emergency shutoff are to be located above bulkhead deck outside the immersed area in any stage of flooding. It is allowed to locate such controls in areas within the positive range of righting lever curve (intermittently immersed area).

4. MINOR DAMAGE

Floodstand-A is capable of withstanding damage along the side shell to an extent specified in SOLAS Ch II-1 Reg.8.3. Compliance with these damages is that the ship fulfils the requirement of s_i-factor more than 0.9. In each examined damage cases during intermediate and equilibrium stage of flooding s_i-factor is more than 0.9.

More detailed calculations are shown in item 13 on pages 110-115.

5. DOUBLE BOTTOM DAMAGES

Minimum Double Bottom height is 1.87 m in ship A.
Because double bottom height is more than B/20 (1.90 m) no bottom damages have to been analysed.

6. RESULTS OF PROBABILISTIC DAMAGE STABILITY CALCULATIONS

6.1. Required Index

For the particular vessel the required index according to regulation 6 has been calculated with following parameters;

Subdivision Length	315.673 m
Breadth at the load line	37.40 m
Number of persons N1	4200
Number of persons N2	1400

Required subdivision index R= 0.84867

6.2. Attained Index

For the particular vessel the attained index according to regulation 7.

Detailed documentation of the calculation are shown in section 12 on pages 52-109.

Port Side;

Initial Condition;	GM;	Partial Attained Index;	Global weighed Index;
ds = 8.80 m	2.40 m	0.87179 > 0.9 R	0.17436
dp = 8.52 m	2.25 m	0.88984 > 0.9 R	0.17797
dl = 8.10 m	1.90 m	0.84863 > 0.9 R	0.08486

Starboard Side;

ds = 8.80 m	2.40 m	0.86453 > 0.9 A	0.17291
dp = 8.52 m	2.25 m	0.88024 > 0.9 A	0.17605
dl = 8.10 m	1.90 m	0.84649 > 0.9 A	0.08465

Attained subdivision index A =0.87079

7 COORDINATE SYSTEM AND DRAUGHT MARKS

RIGHTHANDED COORDINATE SYSTEM.

Origo: Frame No 0, at Center Line, at Base Line

Positive direction of X-axis: from frame No 0 forward
Positive direction of Y-axis: from CL to port side
Positive direction of Z-axis: from BL upwards

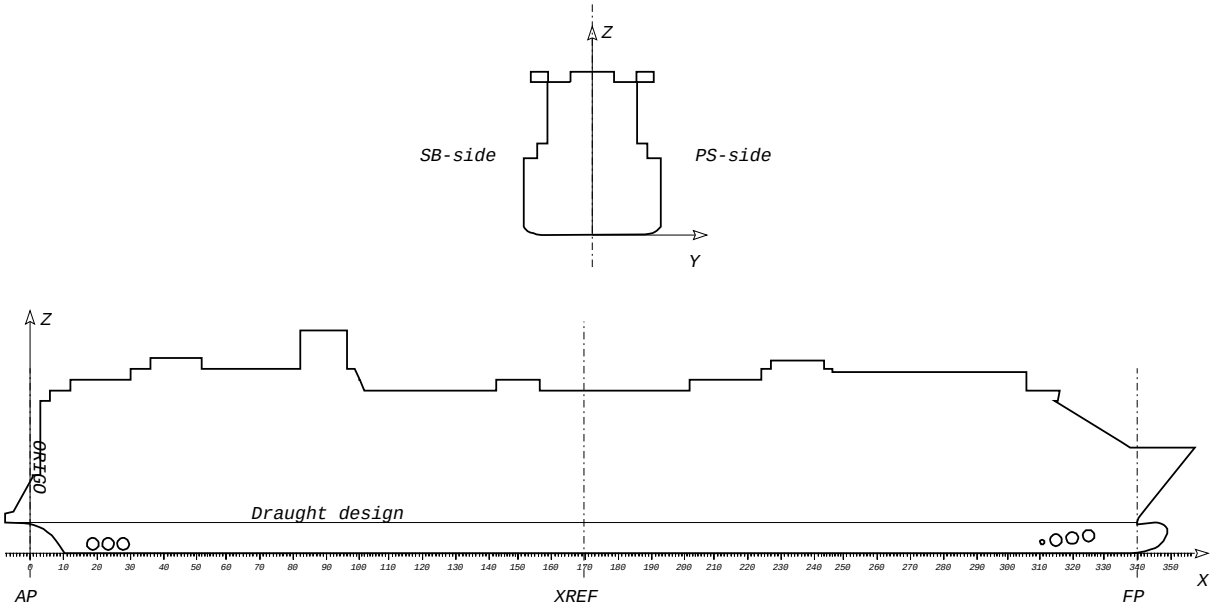
Aft perpendicular (AP) is defined the axis of the rudder at frame 0

Fore perpendicular (FP) is design waterline/stem

Reference length: LREF = FP - AP. Mean draught is measured at LREF

Trim = difference of draughts at perpendicular Trim = TF - TA
(Trim by head is positive, by stern negative)

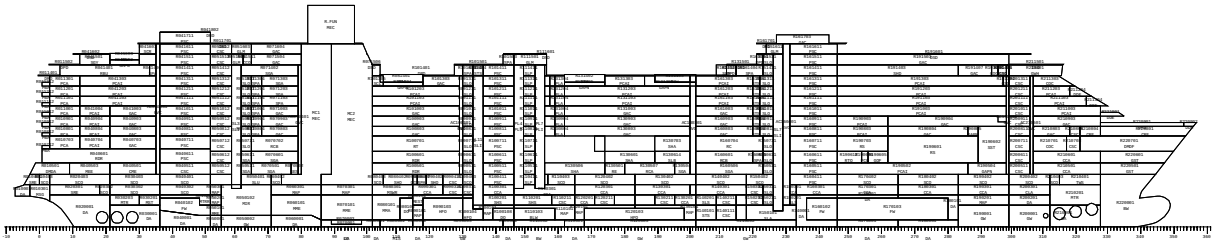
Heel is positive, if port side of the ship immerses.

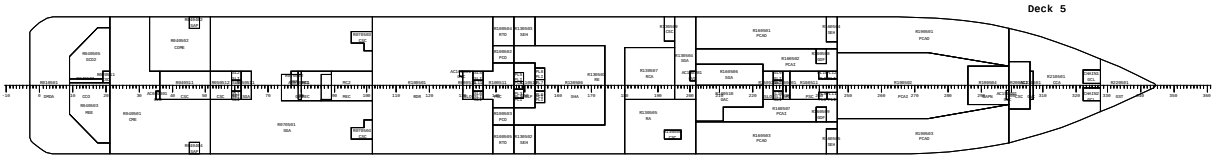


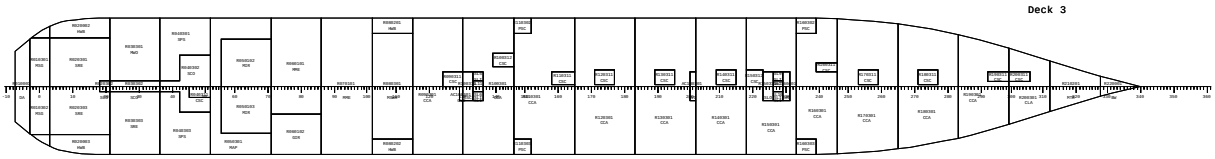
Draught design	*8.50 m*	*Reference Length*	*300.70 m*
Draught maximum	*8.80 m*	*Reference Point*	*150.35 m*
Breadth moulded	*37.40 m*		

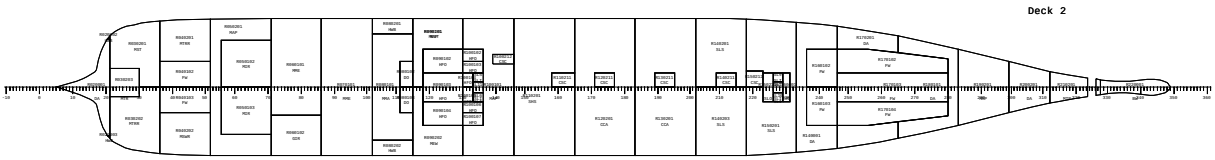
8 TANK- AND ROOM DISTRIBUTION

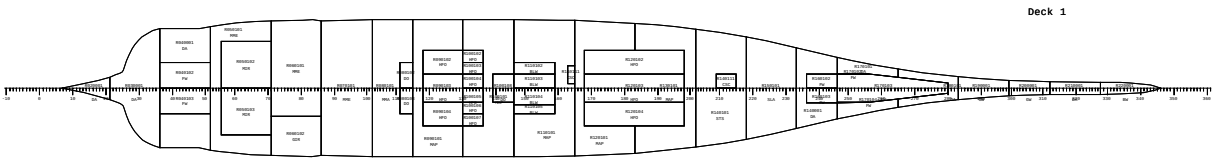
8.1 PLAN OF SPACES AND TANKS

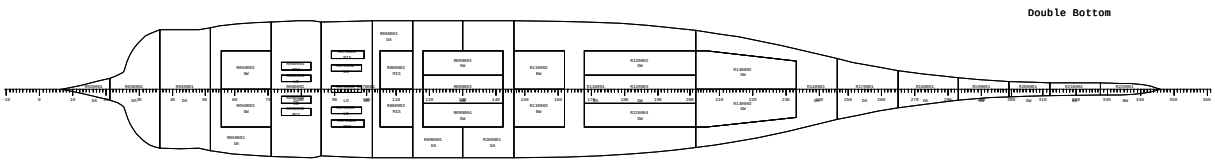












8.2 TANK AND ROOM VOLUMES AND CENTRE OF GRAVITY

Capacity of Black Water RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R110102	Black Water	112.0	112.0	135.15	5.45	3.55
R110103	Black Water	140.9	140.9	135.15	1.95	3.55
R110104	Black Water	165.8	165.8	135.15	-2.30	3.55
R110105	Black Water	87.1	87.1	135.15	-5.80	3.55
TOTAL OF Black Water		505.7	505.7	135.15	0.00	3.55

Capacity of Ballast Water RHO=1.025 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R110002	Ballast Water	269.2	275.9	136.51	5.20	0.95
R110003	Ballast Water	269.2	275.9	136.51	-5.20	0.95
R220001	Ballast Water	779.9	799.4	296.37	-0.00	8.16
TOTAL OF Ballast Water		1318.3	1351.2	231.09	-0.00	5.21

Capacity of Crew cabin RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R120201	Crew cabin	1655.7	1655.7	154.38	-0.07	7.40
R130201	Crew cabin	1681.9	1681.9	170.89	-0.07	7.40
R090301	Crew cabin	1359.9	1359.9	108.61	-0.07	10.20
R100301	Crew cabin	1281.9	1281.9	122.81	-0.32	10.20
R110301	Crew cabin	1521.4	1521.4	138.22	-0.09	10.17
R120301	Crew cabin	1655.7	1655.7	154.38	-0.09	10.20
R130301	Crew cabin	1649.3	1649.3	170.74	-0.09	10.20
R140301	Crew cabin	1396.0	1396.0	186.09	-0.10	10.20
R150301	Crew cabin	1216.9	1216.9	199.94	-0.10	10.20
R160301	Crew cabin	996.4	996.4	212.60	-0.21	10.20
R170301	Crew cabin	1646.1	1646.1	226.17	-0.09	10.21
R180301	Crew cabin	1477.2	1477.2	242.54	-0.10	10.23
R190301	Crew cabin	1030.7	1030.7	257.41	-0.10	10.25
R210501	Crew cabin	1716.2	1716.2	276.59	-0.00	16.09
TOTAL OF Crew cabin		20285.2	20285.2	186.40	-0.10	10.24

Capacity of Crew corridor RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090406	Crew corridor	37.8	37.8	102.56	6.08	13.02
R040507	Crew corridor	28.6	28.6	12.74	1.20	16.02
TOTAL OF	Crew corridor	66.5	66.5	63.86	3.98	14.32

Capacity of Crew laundry RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R200301	Crew laundry	595.4	595.4	270.26	-0.18	10.27

Capacity of Crew mess RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040501	Crew mess	2117.0	2117.0	29.85	-4.15	16.03

Capacity of Officer cabin RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R080401	Officer cabin	236.7	236.7	95.84	14.63	13.03
R090401	Officer cabin	254.4	254.4	108.84	15.43	13.02
R090405	Officer cabin	287.5	287.5	108.12	-14.50	13.03
R100401	Officer cabin	259.1	259.1	122.61	15.43	13.02
R100404	Officer cabin	283.5	283.5	123.15	-14.90	13.02
R110402	Officer cabin	185.3	185.3	143.46	12.74	13.02
R110404	Officer cabin	185.3	185.3	143.46	-12.75	13.02
R120401	Officer cabin	764.0	764.0	154.38	10.45	13.02
R120403	Officer cabin	812.3	812.3	154.38	-10.00	13.02
R130401	Officer cabin	644.6	644.6	170.79	10.98	13.03
R130403	Officer cabin	824.7	824.7	170.89	-10.00	13.02
R140401	Officer cabin	641.1	641.1	186.04	10.54	13.02
R140403	Officer cabin	689.3	689.3	186.15	-10.00	13.02
R170401	Officer cabin	774.8	774.8	226.22	10.43	13.03
R170403	Officer cabin	779.7	779.7	226.60	-10.32	13.03
R180401	Officer cabin	733.2	733.2	242.63	10.13	13.04
R180403	Officer cabin	781.5	781.5	242.64	-9.68	13.04
R190401	Officer cabin	533.0	533.0	257.26	9.25	13.06
R190403	Officer cabin	357.0	357.0	254.96	-8.97	13.05
TOTAL OF	Officer cabin	10027.1	10027.1	188.58	0.32	13.03

Capacity of Officer mess RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040502	Officer mess	775.3	775.3	38.35	11.30	16.02

Capacity of Crew stairs RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R110111	Crew stairs	35.8	35.8	145.28	3.70	3.95
R140111	Crew stairs	87.3	87.3	187.64	1.95	3.95
R100212	Crew stairs	40.9	40.9	126.71	7.68	7.40
R110211	Crew stairs	69.6	69.6	143.01	1.95	7.40
R120211	Crew stairs	59.6	59.6	154.38	1.95	7.40
R130211	Crew stairs	59.6	59.6	170.76	1.95	7.40
R140211	Crew stairs	59.6	59.6	187.64	1.95	7.40
R150212	Crew stairs	56.1	56.1	195.38	2.20	7.40
R040311	Crew stairs	31.7	31.7	34.13	-5.07	10.20
R090311	Crew stairs	59.6	59.6	112.93	1.95	10.20
R100311	Crew stairs	59.5	59.5	117.02	0.00	10.20
R100312	Crew stairs	56.9	56.9	126.71	7.16	10.20
R110311	Crew stairs	60.6	60.6	143.01	2.20	10.20
R120311	Crew stairs	59.6	59.6	154.38	2.45	10.20
R130311	Crew stairs	59.6	59.6	170.76	2.45	10.20
R140311	Crew stairs	59.6	59.6	187.64	2.45	10.20
R150312	Crew stairs	56.1	56.1	195.38	2.20	10.20
R160311	Crew stairs	40.9	40.9	215.07	5.18	10.20
R170311	Crew stairs	59.6	59.6	226.36	2.45	10.20
R180311	Crew stairs	59.6	59.6	242.74	2.45	10.20
R190311	Crew stairs	40.8	40.8	261.98	2.63	10.20
R200311	Crew stairs	40.8	40.8	267.69	2.63	10.20
R040411	Crew stairs	59.1	59.1	34.66	-4.10	13.02
R050412	Crew stairs	63.5	63.5	49.51	-1.95	13.02
R090411	Crew stairs	39.8	39.8	112.93	1.28	13.02
R100407	Crew stairs	33.5	33.5	126.15	7.68	13.02
R110405	Crew stairs	42.1	42.1	141.18	2.28	13.02
R120411	Crew stairs	48.2	48.2	154.38	2.85	13.02
R130411	Crew stairs	48.2	48.2	170.76	2.85	13.02
R140411	Crew stairs	48.2	48.2	187.64	2.85	13.02
R150411	Crew stairs	33.7	33.7	195.38	2.60	13.02
R160402	Crew stairs	41.7	41.7	215.07	5.18	13.02
R170411	Crew stairs	48.2	48.2	226.36	2.85	13.02
R180411	Crew stairs	48.2	48.2	242.74	2.85	13.02
R190411	Crew stairs	50.4	50.4	261.98	2.85	13.02
R200411	Crew stairs	50.4	50.4	267.69	2.85	13.02
R020411	Crew stairs	40.5	40.5	17.74	4.10	13.02
R070411	Crew stairs	17.2	17.2	90.10	7.47	13.02
R040511	Crew stairs	320.4	320.4	39.42	0.00	15.95
R050512	Crew stairs	140.3	140.3	49.51	0.00	16.02
R070503	Crew stairs	85.0	85.0	88.60	11.88	16.02
R070504	Crew stairs	71.6	71.6	88.33	-12.59	16.02
R130508	Crew stairs	35.0	35.0	173.04	-13.38	16.02
R130509	Crew stairs	56.2	56.2	172.13	15.43	16.02

R200511 Crew stairs	233.8	233.8	267.69	0.00	16.02
R020511 Crew stairs	18.3	18.3	18.20	2.30	16.02
TOTAL OF Crew stairs	2887.6	2887.6	149.84	1.79	12.23

Capacity of Void Space RHO=1 TON/M3

name id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R010001 Void Space	485.5	485.5	-3.18	-0.00	10.09
R020001 Void Space	994.1	994.1	12.78	0.00	7.17
R030001 Void Space	879.6	879.6	27.40	0.00	4.49
R040001 Void Space	1438.9	1438.9	40.08	0.00	3.64
R050001 Void Space	545.2	545.2	54.03	0.00	2.16
R060001 Void Space	1236.2	1236.2	69.97	-0.02	1.63
R070001 Void Space	799.7	799.7	83.96	0.00	0.95
R080001 Void Space	410.4	410.4	95.49	0.00	0.97
R090001 Void Space	504.4	504.4	107.69	-0.00	0.97
R100001 Void Space	520.0	520.0	123.81	0.00	0.97
R170001 Void Space	228.9	228.9	225.56	0.00	1.21
R180001 Void Space	137.9	137.9	242.08	-0.00	1.20
R210001 Void Space	222.4	222.4	282.59	0.00	3.30
R110001 Void Space	1315.8	1315.8	150.27	-0.00	1.05
R140001 Void Space	1974.6	1974.6	209.66	-0.00	4.86
R170101 Void Space	631.1	631.1	225.52	-0.00	4.12
R180101 Void Space	1314.1	1314.1	243.31	-0.00	6.39
R170201 Void Space	875.7	875.7	226.05	-0.00	7.76
R200201 Void Space	440.2	440.2	270.00	0.00	7.50
TOTAL OF Void Space	14954.8	14954.8	131.89	-0.00	4.00

Capacity of Mooring deck aft RHO=1 TON/M3

name id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R010501 Mooring deck aft	1524.1	1524.1	5.64	-0.00	15.99

Capacity of Diesel Oil RHO=0.86 TON/M3

name id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R100108 Diesel Oil	144.0	123.9	126.71	0.00	3.55
R080102 Diesel Oil	152.3	131.0	100.19	3.50	4.95
R080103 Diesel Oil	152.3	131.0	100.19	-3.50	4.95
R040504 Diesel Oil	19.5	16.8	17.74	-13.35	16.03
TOTAL OF Diesel Oil	468.2	402.6	104.92	-0.56	4.98

Capacity of Fresh Water RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040102	Fresh Water	364.4	364.4	39.58	3.50	5.72
R040103	Fresh Water	364.4	364.4	39.58	-3.50	5.72
R160102	Fresh Water	414.5	414.5	213.70	4.39	5.40
R160103	Fresh Water	414.5	414.5	213.70	-4.39	5.40
R170102	Fresh Water	627.8	627.8	231.18	6.32	5.95
R170103	Fresh Water	1382.0	1382.0	232.85	0.00	5.01
R170104	Fresh Water	627.8	627.8	231.18	-6.32	5.95
TOTAL OF Fresh Water		4195.3	4195.3	195.00	0.00	5.49

Capacity of AC-room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R160510	AC-room	435.3	435.3	187.23	-4.01	16.02

Capacity of Apparat space RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060407	Apparat space	52.2	52.2	75.57	8.81	13.02
R070407	Apparat space	57.2	57.2	88.53	9.20	13.02
R190504	Stage Pit	347.6	347.6	258.97	0.00	16.02
TOTAL OF Apparat space		457.0	457.0	216.69	2.16	15.31

Capacity of Chain locker RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
CHAIN1	Chain locker	158.1	158.1	287.50	2.40	16.18
CHAIN2	Chain locker	158.1	158.1	287.50	-2.40	16.18
TOTAL OF Chain locker		316.2	316.2	287.50	0.00	16.18

Capacity of CO2 room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040505	CO2 room	374.1	374.1	14.23	7.78	16.02

Capacity of El. sub. station RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R030404	El. sub. station	142.4	142.4	28.66	-4.55	13.02
R060406	El. sub. station	174.0	174.0	67.84	8.81	13.02
R100402	El. sub. station	176.3	176.3	121.27	9.58	13.02
R130404	El. sub. station	120.8	120.8	170.76	8.28	13.02
R150403	El. sub. station	134.4	134.4	202.66	-9.28	13.02
R190404	El. sub. station	220.7	220.7	261.87	-8.41	13.06
R200404	El. sub. station	231.8	231.8	268.06	-7.48	13.07
R070502	El. sub. station	22.4	22.4	69.66	1.95	16.02
TOTAL OF	El. sub. station	1222.8	1222.8	168.98	-1.00	13.10

Capacity of El. workshop RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090404	El. workshop	224.6	224.6	109.91	-8.84	13.03

Capacity of Fire equip. room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R200403	Fire equip. room	137.4	137.4	273.68	-6.64	13.09

Capacity of Garbage handling RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060404	Garbage handling	562.1	562.1	70.12	-11.48	13.02

Capacity of Garbage room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R070404	Refrigerated Garbage	572.4	572.4	83.89	-11.48	13.02

Capacity of Incinerator room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060102	Incinerator room	1291.6	1291.6	70.21	-13.15	7.33

Capacity of Office RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060401	Office	187.4	187.4	72.93	14.20	13.03
R070406	Office	186.6	186.6	81.95	15.43	13.02
R080404	Office	430.7	430.7	97.18	-9.98	13.03
R160508	Office	35.0	35.0	213.58	7.93	16.02
R160509	Office	35.0	35.0	213.58	-7.93	16.02
TOTAL OF	Office	874.6	874.6	98.04	1.42	13.26

Capacity of Photo laboratory RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R100408	Photo laboratory	89.6	89.6	118.39	-9.28	13.02

Capacity of Deck store RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R220501	Deck store	499.0	499.0	295.79	0.00	16.17

Capacity of Tel. center RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060405	IT	101.8	101.8	66.02	15.43	13.02
R100406	IT Room	114.1	114.1	124.60	-9.28	13.02
TOTAL OF	Tel. center	215.9	215.9	96.98	2.37	13.02

Capacity of AC-canal RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
AC160401	AC-canal	626.8	626.8	204.02	0.00	28.08
AC040301	AC-canal	253.4	253.4	32.31	0.00	32.30
AC100301	AC-canal	204.9	204.9	115.21	-0.04	26.82
AC130301	AC-canal	357.1	357.1	178.46	0.08	25.86
AC070401	AC-canal	212.2	212.2	71.03	0.00	29.40
AC190401	AC-canal	179.3	179.3	264.46	-0.08	28.90
AC210501	AC-canal	191.5	191.5	271.00	0.00	27.94
TOTAL OF	AC-canal	2025.1	2025.1	166.78	0.00	28.29

Capacity of Grey Water RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R050002	Galley GW Tank No 1 P	398.5	398.5	56.71	4.96	1.75
R050003	Galley GW Tank No 1 s	398.5	398.5	56.71	-4.96	1.75
R090002	Grey Water	264.3	264.3	115.66	7.15	0.95
R090003	Grey Water	317.2	317.2	115.66	-0.00	0.95
R090004	Grey Water	264.3	264.3	115.66	-7.15	0.95
R120002	Grey Water	363.4	363.4	163.97	7.13	0.96
R120003	Grey Water	439.8	439.8	164.06	-0.00	0.95
R120004	Grey Water	363.4	363.4	163.97	-7.13	0.96
R140002	Laundry GW Tank No 1 P	418.9	418.9	191.73	4.35	1.04
R140003	Laundry GW Tank No 1 S	418.9	418.9	191.73	-4.35	1.04
R190001	Grey Water	690.9	690.9	257.41	0.00	3.99
R200001	Grey Water	373.6	373.6	270.07	0.00	3.88
TOTAL OF Grey Water		4711.9	4711.9	164.21	-0.00	1.78

Capacity of Heavy Fuel Oil RHO=0.98 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090102	Heavy Fuel Oil	428.6	420.1	110.20	7.15	4.95
R090103	Heavy Fuel Oil	514.4	504.1	110.20	0.00	4.95
R090104	Heavy Fuel Oil	428.6	420.1	110.20	-7.15	4.95
R100102	Heavy Fuel Oil	112.1	109.9	118.39	8.70	4.95
R100103	Heavy Fuel Oil	102.2	100.2	118.39	5.45	4.95
R100104	Heavy Fuel Oil	97.0	95.0	117.94	1.95	4.44
R100105	Heavy Fuel Oil	88.5	86.8	118.03	-1.95	4.33
R100106	Heavy Fuel Oil	102.2	100.2	118.39	-5.45	4.95
R100107	Heavy Fuel Oil	112.1	109.9	118.39	-8.70	4.95
R120102	Heavy Fuel Oil	579.7	568.1	162.57	7.15	3.55
R120103	Heavy Fuel Oil	695.7	681.8	162.57	0.00	3.55
R120104	Heavy Fuel Oil	579.7	568.1	162.57	-7.15	3.55
TOTAL OF Heavy Fuel Oil		3841.0	3764.2	136.78	0.00	4.25

Capacity of Heeling Water RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R020002	Heeling Water	589.0	589.0	11.37	15.83	11.06
R020003	Heeling Water	589.0	589.0	11.37	-15.83	11.06
R080201	Heeling Water	257.5	257.5	96.43	16.60	8.80
R080202	Heeling Water	257.5	257.5	96.43	-16.60	8.80
TOTAL OF Heeling Water		1692.9	1692.9	37.24	0.00	10.37

Capacity of Lubricating Oil RHO=0.9 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060004	Lubricating Oil	15.9	14.3	70.11	2.90	2.65
R060005	Lubricating Oil	15.9	14.3	70.11	-2.90	2.65
R070002	Lubricating Oil	15.9	14.3	83.76	5.80	1.35
R070003	Lubricating Oil	15.9	14.3	83.76	0.00	1.35
R070004	Lubricating Oil	15.9	14.3	83.76	-5.80	1.35
TOTAL OF	Lubricating Oil	79.5	71.5	78.31	0.00	1.87

Capacity of Apparat space RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090101	Apparat space	1161.8	1161.8	107.74	-0.00	3.95
R100101	Apparat space	2057.7	2057.7	123.22	-0.01	4.86
R110101	AWP	1997.8	1997.8	138.45	-0.07	4.05
R120101	Apparat space	1566.5	1566.5	153.55	-0.00	4.20
R130101	Apparat space	1562.5	1562.5	171.72	-0.00	4.23
R050201	Apparat space	763.0	763.0	53.06	-0.00	7.40
R190201	Apparat space	830.4	830.4	257.48	0.00	7.48
R050301	Apparat space	771.3	771.3	53.07	0.00	10.21
R060301	Apparat space	1000.5	1000.5	70.12	5.58	10.21
R070301	Apparat space	1448.0	1448.0	83.88	0.00	10.21
TOTAL OF	Apparat space	13159.6	13159.6	125.46	0.41	6.12

Capacity of Bunker station RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R070405	Bunker station	72.5	72.5	88.90	15.43	13.02
R080405	Bunker station	72.5	72.5	92.79	-15.43	13.02
TOTAL OF	Bunker station	145.0	145.0	90.84	0.00	13.02

Capacity of Control room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R070401	Control room	191.4	191.4	81.95	8.81	13.02

Capacity of Engine casing RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
MC1	Engine casing	2765.9	2765.9	75.24	-0.05	32.29
MC2	Engine casing	3583.8	3583.8	84.95	-0.05	31.64
TOTAL OF Engine casing		6349.7	6349.7	80.72	-0.05	31.92

Capacity of Emer. engine RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040503	Emer. engine	449.8	449.8	14.08	-6.05	16.02

Capacity of Electric store RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090201	Electric store	487.6	487.6	108.20	11.28	7.59

Capacity of El. Workshop RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090202	El. Workshop	487.6	487.6	108.20	-11.28	7.59

Capacity of Inverter room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R050102	Inverter room	1463.5	1463.5	56.47	6.42	7.39
R050103	Inverter room	1463.5	1463.5	56.47	-6.42	7.39
TOTAL OF Inverter room		2927.1	2927.1	56.47	0.00	7.39

Capacity of Miscellaneous RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R060003	Miscellaneous	53.2	53.2	70.11	6.32	1.60
R060002	Miscellaneous	50.1	50.1	70.11	-6.18	1.60
R070006	Miscellaneous	33.3	33.3	84.14	9.40	0.95
R070005	Miscellaneous	33.3	33.3	84.14	-9.40	0.95
R080002	Miscellaneous	173.0	173.0	97.54	5.20	0.95
R080003	Miscellaneous	173.0	173.0	97.54	-5.20	0.95
TOTAL OF Miscellaneous		515.8	515.8	90.32	0.05	1.08

Capacity of Machinery space RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R080101	Machinery space	2308.9	2308.9	95.92	-0.00	5.17

Capacity of ME room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R050101	ME room	738.9	738.9	53.09	-0.00	4.62
R060101	ME room	2060.9	2060.9	70.25	5.53	5.93
R070101	ME room	3593.3	3593.3	83.90	-0.00	5.36
TOTAL OF ME room		6393.0	6393.0	75.94	1.78	5.46

Capacity of Steer. gear RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R010301	Steer. gear	240.1	240.1	0.07	6.47	9.93
R010302	Steer. gear	240.1	240.1	0.07	-6.47	9.93
TOTAL OF Steer. gear		480.2	480.2	0.07	0.00	9.93

Capacity of Engine store RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R030201	Engine store	576.9	576.9	26.58	10.47	7.43

Capacity of Switchboard room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040202	Switchboard room	572.3	572.3	40.11	-10.90	7.51
R080301	Switchboard room	907.0	907.0	96.43	-0.00	10.20
TOTAL OF Switchboard room		1479.3	1479.3	74.64	-4.22	9.16

Capacity of Thruster room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R210201	Thruster room	767.4	767.4	281.99	-0.00	9.21
R030203	Thruster room	178.9	178.9	23.20	1.30	7.40
TOTAL OF Thruster room		946.3	946.3	233.08	0.25	8.87

Capacity of Transformer room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R030202	Transformer room	636.5	636.5	26.26	-9.85	7.42
R040201	Transformer room	573.4	573.4	40.12	10.89	7.51
TOTAL OF Transformer room		1209.9	1209.9	32.83	-0.02	7.46

Capacity of Workshop RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R030301	Workshop	657.4	657.4	25.93	10.10	10.20

Capacity of Inner cabin RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R160502	Inner cabin	592.7	592.7	199.61	7.26	16.02
R160507	Inner cabin	497.6	497.6	202.82	-7.14	16.03
R190502	Inner cabin	2029.5	2029.5	236.06	0.00	16.02
TOTAL OF Inner cabin		3119.8	3119.8	223.83	0.24	16.02

Capacity of Outer cabin RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R160501	Outer cabin	1002.0	1002.0	197.43	14.27	16.02
R160503	Outer cabin	1002.0	1002.0	197.43	-14.27	16.02
R190501	Outer cabin	1513.0	1513.0	242.19	13.17	16.04
R190503	Outer cabin	1513.0	1513.0	242.19	-13.17	16.04
TOTAL OF	Outer cabin	5030.0	5030.0	224.36	0.00	16.03

Capacity of Pass. corridor RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R100502	Pass. corridor	84.5	84.5	126.71	8.45	16.02
R100503	Pass. corridor	84.5	84.5	126.71	-8.45	16.02
TOTAL OF	Pass. corridor	169.1	169.1	126.71	0.00	16.02

Capacity of Lift pax RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
PL1	Lift pax	174.7	174.7	42.70	2.87	34.88
PL10	Lift pax	203.4	203.4	213.96	2.87	31.88
PL11	Lift pax	228.1	228.1	216.52	-2.87	30.38
PL12	Lift pax	228.1	228.1	216.52	2.87	30.38
PL2	Lift pax	210.8	210.8	45.26	2.87	34.88
PL3	Lift pax	208.6	208.6	130.86	-2.26	27.47
PL4	Lift pax	189.2	189.2	130.86	0.00	27.47
PL5	Lift pax	208.6	208.6	130.86	2.26	27.47
PL6	Lift pax	291.6	291.6	136.64	-3.16	27.47
PL7	Lift pax	291.2	291.2	136.64	0.00	27.47
PL8	Lift pax	291.6	291.6	136.64	3.16	27.47
PL9	Lift pax	203.4	203.4	213.96	-2.87	31.88
PL13	Lift pax	174.7	174.7	42.70	-2.87	34.88
PL14	Lift pax	210.8	210.8	45.26	-2.87	34.88
TOTAL OF	Lift pax	3114.7	3114.7	134.40	0.00	30.31

Capacity of Pax stairs RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R110302	Pax stairs	57.8	57.8	131.96	16.55	10.20
R110303	Pax stairs	57.8	57.8	131.96	-16.55	10.20
R160302	Pax stairs	65.8	65.8	209.48	16.55	10.20
R160303	Pax stairs	65.8	65.8	209.48	-16.55	10.20
R100411	Pax stairs	187.6	187.6	125.34	0.00	13.02
R110408	Pax stairs	58.8	58.8	131.96	16.55	13.02
R110409	Pax stairs	58.8	58.8	131.96	-16.55	13.02
R160411	Pax stairs	228.6	228.6	210.39	-0.00	13.02
R160406	Pax stairs	66.9	66.9	209.48	16.55	13.02
R160407	Pax stairs	66.9	66.9	209.48	-16.55	13.02
R100511	Pax stairs	286.5	286.5	125.72	0.00	16.02
R160511	Pax stairs	252.7	252.7	210.39	0.00	16.02
TOTAL OF Pax stairs		1454.1	1454.1	169.99	0.00	13.66

Capacity of Ala carte RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R130505	Ala carte	867.6	867.6	169.38	-11.22	16.02

Capacity of Cafeteria RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R130507	Cafeteria	614.5	614.5	166.66	3.25	16.02

Capacity of Dining room RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R100501	Dining room	3668.1	3668.1	106.62	0.00	16.03

Capacity of Restaurant RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R130501	Restaurant	1900.0	1900.0	152.35	2.28	16.03

Capacity of Pax toilet RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R100504	Pax toilet	142.1	142.1	126.71	14.75	16.02
R100505	Pax toilet	142.1	142.1	126.71	-14.75	16.02
TOTAL OF Pax toilet		284.2	284.2	126.71	0.00	16.02

Capacity of Apparat space RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040402	Apparat space	24.1	24.1	34.13	17.15	13.02
R040404	Apparat space	24.1	24.1	34.13	-17.15	13.03
TOTAL OF Apparat space		48.2	48.2	34.13	0.00	13.02

Capacity of Serv. corridor RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R020302	Serv. corridor	22.9	22.9	17.74	0.00	10.20
R030302	Serv. corridor	114.7	114.7	25.93	0.00	10.20
R040302	Serv. corridor	326.9	326.9	37.12	1.23	10.20
R010403	Serv. corridor	23.3	23.3	1.36	0.00	13.02
R020403	Serv. corridor	140.0	140.0	10.92	0.00	13.02
R030403	Serv. corridor	140.4	140.4	26.82	0.47	13.02
R040401	Serv. corridor	1067.5	1067.5	41.42	0.33	13.03
R060402	Serv. corridor	153.3	153.3	68.12	2.43	13.02
R070402	Serv. corridor	99.0	99.0	83.89	4.20	13.02
R080403	Serv. corridor	138.4	138.4	94.62	-0.17	13.03
R090403	Serv. corridor	97.3	97.3	108.84	-1.25	13.02
R100403	Serv. corridor	277.1	277.1	121.81	0.61	13.02
R110403	Serv. corridor	404.9	404.9	139.26	-0.24	13.02
R120402	Serv. corridor	121.4	121.4	154.38	0.00	13.02
R130402	Serv. corridor	123.2	123.2	170.89	0.00	13.02
R140402	Serv. corridor	103.0	103.0	186.15	0.00	13.02
R150402	Serv. corridor	290.2	290.2	199.19	-0.88	13.02
R160403	Serv. corridor	79.6	79.6	212.34	-5.15	13.02
R170402	Serv. corridor	166.5	166.5	224.46	-1.00	13.02
R180402	Serv. corridor	121.4	121.4	242.74	0.00	13.02
R190402	Serv. corridor	103.0	103.0	257.88	0.00	13.02
R200402	Serv. corridor	82.8	82.8	270.42	0.00	13.02
R210403	Serv. corridor	20.2	20.2	277.37	0.00	13.02
R040406	Serv. corridor	23.3	23.3	34.13	0.00	13.02
R160408	Serv. corridor	38.9	38.9	209.48	5.15	13.02
TOTAL OF Serv. corridor		4279.4	4279.4	107.88	0.21	12.72

Capacity of Entrance hall RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R110401	Entrance hall	291.2	291.2	135.79	12.52	13.03
R160401	Entrance hall	323.7	323.7	212.92	11.74	13.03
R160405	Entrance hall	324.7	324.7	212.92	-11.73	13.03
R110406	Entrance hall	291.2	291.2	135.79	-12.52	13.03
R130502	Entrance hall	142.1	142.1	132.42	-14.75	16.03
R130503	Entrance hall	142.1	142.1	132.42	14.75	16.03
R160504	Entrance hall	63.4	63.4	216.43	15.33	16.02
R160505	Entrance hall	63.4	63.4	216.43	-15.33	16.02
TOTAL OF Entrance hall		1641.7	1641.7	171.89	-0.00	13.78

Capacity of Galley RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R050511	Galley	66.9	66.9	56.47	0.00	16.02
R070501	Galley	4253.4	4253.4	67.68	-0.04	16.03
R130504	Galley	369.9	369.9	176.14	8.13	16.03
R160506	Galley	340.0	340.0	188.43	2.92	16.02
TOTAL OF Galley		5030.2	5030.2	83.67	0.77	16.03

Capacity of Hall RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R130506	Hall	1387.7	1387.7	143.79	-0.00	16.02

Capacity of Hospital RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R080402	Hospital	312.3	312.3	97.47	6.33	13.02
R090402	Hospital	364.7	364.7	109.31	6.94	13.02
TOTAL OF Hospital		677.0	677.0	103.85	6.66	13.02

Capacity of Hotel store RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R100201	Hotel store	661.4	661.4	123.88	-0.48	7.51
R110201	Hotel store	1671.9	1671.9	137.66	-0.08	7.40
TOTAL OF Hotel store		2333.4	2333.4	133.75	-0.19	7.43

Capacity of Laundry RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R150101	Laundry	1790.3	1790.3	199.78	-0.00	4.05

Capacity of Service lift RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
SL10	Service lift	275.7	275.7	201.75	-2.71	26.13
SL11	Service lift	300.3	300.3	119.76	0.00	23.21
SL5	Service lift	256.7	256.7	119.76	2.71	24.67
SL6	Service lift	237.7	237.7	119.76	-2.71	23.21
SL7	Service lift	352.5	352.5	201.75	0.00	25.88
SL9	Service lift	275.7	275.7	201.75	2.71	26.13
SL1	Service lift	220.2	220.2	53.74	-2.71	27.47
SL2	Service lift	239.1	239.1	53.74	2.71	28.92
SL3	Service lift	278.3	278.3	53.74	0.00	27.47
TOTAL OF	Service lift	2436.1	2436.1	130.18	0.04	25.84

Capacity of Lift/crew lobby RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R150211	Lift/crew lobby	59.6	59.6	199.01	0.00	7.40
R150311	Lift/crew lobby	59.6	59.6	199.01	0.00	10.20
R090511	Lift/crew lobby	66.9	66.9	117.02	0.00	16.02
R150511	Lift/crew lobby	66.9	66.9	199.01	0.00	16.02
TOTAL OF	Lift/crew lobby	253.1	253.1	177.32	0.00	12.62

Capacity of Lift/Pax lobby RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R110411	Lift/Pax lobby	129.5	129.5	134.72	0.00	13.03
R110511	Lift/Pax lobby	162.8	162.8	132.95	0.00	16.02
TOTAL OF	Lift/Pax lobby	292.4	292.4	133.74	0.00	14.70

Capacity of Linen store RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R140201	Linen store	668.1	668.1	186.02	10.01	7.40
R140203	Linen store	727.8	727.8	186.15	-9.35	7.40
R150201	Linen store	1208.0	1208.0	199.94	-0.10	7.41
TOTAL OF	Linen store	2604.0	2604.0	192.51	-0.09	7.40

Capacity of Luggages RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R050401	Luggages	1256.2	1256.2	56.16	-3.82	13.02
R150401	Luggages	510.9	510.9	199.64	12.08	13.02
R150404	Luggages	344.1	344.1	198.86	-13.83	13.03
TOTAL OF	Luggages	2111.2	2111.2	114.14	-1.60	13.02

Capacity of Pantry RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090407	Pantry	28.2	28.2	104.38	1.95	13.02

Capacity of Preparation RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R020402	Preparation	141.6	141.6	15.99	8.28	13.03
R030402	Preparation	182.1	182.1	21.84	7.35	13.02
TOTAL OF	Preparation	323.7	323.7	19.28	7.76	13.03

Capacity of Provision RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R040301	Provision	533.1	533.1	40.75	11.21	10.20
R040303	Provision	563.8	563.8	40.54	-11.03	10.20
R050402	Provision	392.2	392.2	52.24	12.54	13.02
TOTAL OF	Provision	1489.2	1489.2	43.70	3.14	10.94

Capacity of Refrigerator RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R020301	Refrigerator	593.9	593.9	10.79	6.71	10.20
R020303	Refrigerator	593.9	593.9	10.79	-6.71	10.20
R030303	Refrigerator	657.4	657.4	25.93	-10.10	10.20
R030405	Refrigerator	526.7	526.7	25.20	-11.60	13.03
R010401	Refrigerator	296.4	296.4	-0.37	8.94	12.96
R010402	Refrigerator	296.4	296.4	-0.37	-8.94	12.96
R020401	Refrigerator	363.9	363.9	8.19	7.35	13.02
R020404	Refrigerator	546.2	546.2	10.92	-7.35	13.02
R030401	Refrigerator	463.3	463.3	27.28	11.55	13.03
R040403	Refrigerator	134.8	134.8	35.73	12.96	13.03
R040405	Refrigerator	148.6	148.6	35.71	-12.50	13.02
TOTAL OF Refrigerator		4621.7	4621.7	16.15	-1.91	11.89

Capacity of Shop RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R090408	Crew shop	118.2	118.2	108.53	-4.45	13.02

Capacity of Store RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R140101	Store	1916.7	1916.7	186.01	-0.09	4.02
R210402	Store	282.4	282.4	281.50	-4.98	13.11
TOTAL OF Store		2199.1	2199.1	198.27	-0.72	5.19

Capacity of Workshop tech. RHO=1 TON/M3

name	id	net volume m3	mass of load t	CENTRES OF GRAVITY cgx of volume m	cgy of volume m	cgz of volume m
R200401	Workshop tech.	318.9	318.9	270.54	7.85	13.09
R210401	Workshop tech.	282.4	282.4	281.50	4.98	13.11
TOTAL OF Workshop tech.		601.3	601.3	275.69	6.50	13.10

8.3 LOCATION OF TANKS AND ROOMS

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R110102	Black Water	146.0	159.0	7.00	1.90	5.20
R110103	Black Water	146.0	159.0	3.90	1.90	5.20
R110104	Black Water	146.0	159.0	0.00	1.90	5.20
R110105	Black Water	146.0	159.0	-4.59	1.90	5.20

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R110002	Ballast Water	146.0	162.0	10.40	0.00	1.90
R110003	Ballast Water	146.0	162.0	0.00	0.00	1.90
R220001	Ballast Water	328.0	348.9	7.23	0.00	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R120201	Crew cabin	165.0	183.0	18.70	6.00	8.80
R130201	Crew cabin	183.0	202.0	18.70	6.00	8.80
R090301	Crew cabin	115.0	130.0	18.70	8.80	11.60
R100301	Crew cabin	130.0	146.0	18.70	8.80	11.60
R110301	Crew cabin	146.0	165.0	18.70	8.80	11.60
R120301	Crew cabin	165.0	183.0	18.70	8.80	11.60
R130301	Crew cabin	183.0	202.0	18.70	8.80	11.60
R140301	Crew cabin	202.0	218.0	18.70	8.80	11.60
R150301	Crew cabin	218.0	233.0	18.70	8.80	11.60
R160301	Crew cabin	233.0	246.0	18.70	8.80	11.60
R170301	Crew cabin	246.0	265.0	18.70	8.80	11.60
R180301	Crew cabin	265.0	283.0	18.31	8.80	11.60
R190301	Crew cabin	283.0	299.0	16.47	8.80	11.60
R210501	Crew cabin	299.0	328.0	17.50	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R090406	Crew corridor	115.0	116.2	12.16	11.60	14.45
R040507	Crew corridor	9.0	19.0	1.70	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R200301	Crew laundry	299.0	312.0	13.27	8.80	11.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R040501	Crew mess	21.0	52.0	18.70	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R080401	Officer cabin	102.0	115.0	18.70	11.60	14.45
R090401	Officer cabin	115.0	130.0	18.70	11.60	14.45
R090405	Officer cabin	115.0	130.0	-2.50	11.60	14.45
R100401	Officer cabin	130.0	146.0	18.70	11.60	14.45
R100404	Officer cabin	130.0	146.0	-6.40	11.60	14.45
R110402	Officer cabin	159.0	165.0	18.70	11.60	14.45
R110404	Officer cabin	159.0	165.0	-6.79	11.60	14.45
R120401	Officer cabin	165.0	183.0	18.70	11.60	14.45
R120403	Officer cabin	165.0	183.0	-1.30	11.60	14.45
R130401	Officer cabin	183.0	202.0	18.70	11.60	14.45
R130403	Officer cabin	183.0	202.0	-1.30	11.60	14.45
R140401	Officer cabin	202.0	218.0	18.70	11.60	14.45
R140403	Officer cabin	202.0	218.0	-1.30	11.60	14.45
R170401	Officer cabin	246.0	265.0	18.70	11.60	14.45
R170403	Officer cabin	246.0	265.0	-1.30	11.60	14.45
R180401	Officer cabin	265.0	283.0	18.70	11.60	14.45
R180403	Officer cabin	265.0	283.0	-1.30	11.60	14.45
R190401	Officer cabin	283.0	299.0	17.90	11.60	14.45
R190403	Officer cabin	283.0	292.0	-1.30	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R040502	Officer mess	33.0	52.0	18.70	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R110111	Crew stairs	163.0	165.0	6.10	1.90	6.00
R140111	Crew stairs	209.0	215.0	3.90	1.90	6.00
R100212	Crew stairs	139.0	146.0	8.96	6.00	8.80
R110211	Crew stairs	158.0	165.0	3.90	6.00	8.80
R120211	Crew stairs	171.0	177.0	3.90	6.00	8.80
R130211	Crew stairs	189.0	195.0	3.90	6.00	8.80
R140211	Crew stairs	209.0	215.0	3.90	6.00	8.80
R150212	Crew stairs	218.0	223.0	4.40	6.00	8.80
R040311	Crew stairs	36.0	39.0	-3.00	8.80	11.60
R090311	Crew stairs	124.0	130.0	3.90	8.80	11.60
R100311	Crew stairs	130.0	133.0	3.90	8.80	11.60
R100312	Crew stairs	139.0	146.0	8.94	8.80	11.60
R110311	Crew stairs	158.0	165.0	3.90	8.80	11.60
R120311	Crew stairs	171.0	177.0	4.40	8.80	11.60
R130311	Crew stairs	189.0	195.0	4.40	8.80	11.60
R140311	Crew stairs	209.0	215.0	4.40	8.80	11.60
R150312	Crew stairs	218.0	223.0	4.40	8.80	11.60
R160311	Crew stairs	239.0	246.0	6.46	8.80	11.60
R170311	Crew stairs	253.0	259.0	4.40	8.80	11.60
R180311	Crew stairs	271.0	277.0	4.40	8.80	11.60
R190311	Crew stairs	292.0	299.0	3.90	8.80	11.60
R200311	Crew stairs	299.0	306.0	3.90	8.80	11.60
R040411	Crew stairs	36.0	42.0	-1.50	11.60	14.45
R050412	Crew stairs	52.0	59.0	0.00	11.60	14.45
R090411	Crew stairs	124.0	130.0	2.56	11.60	14.45
R100407	Crew stairs	139.0	144.5	8.96	11.60	14.45
R110405	Crew stairs	157.0	162.0	3.90	11.60	14.45
R120411	Crew stairs	171.0	177.0	4.40	11.60	14.45
R130411	Crew stairs	189.0	195.0	4.40	11.60	14.45
R140411	Crew stairs	209.0	215.0	4.40	11.60	14.45

R150411	Crew stairs	218.0	223.0	3.90	11.60	14.45
R160402	Crew stairs	239.0	246.0	6.46	11.60	14.45
R170411	Crew stairs	253.0	259.0	4.40	11.60	14.45
R180411	Crew stairs	271.0	277.0	4.40	11.60	14.45
R190411	Crew stairs	292.0	299.0	4.40	11.60	14.45
R200411	Crew stairs	299.0	306.0	4.40	11.60	14.45
R020411	Crew stairs	18.0	21.0	6.70	11.60	14.45
R070411	Crew stairs	100.0	102.0	9.50	11.60	14.45
R040511	Crew stairs	36.0	52.0	3.90	14.45	17.60
R050512	Crew stairs	52.0	59.0	3.90	14.45	17.60
R070503	Crew stairs	95.0	102.0	14.70	14.45	17.60
R070504	Crew stairs	95.0	102.0	-9.50	14.45	17.60
R130508	Crew stairs	192.0	197.0	-12.16	14.45	17.60
R130509	Crew stairs	192.0	195.0	18.70	14.45	17.60
R200511	Crew stairs	299.0	306.0	6.50	14.45	17.60
R020511	Crew stairs	19.0	21.0	3.90	14.45	17.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R010001	Void Space	-7.4	3.0	18.70	8.30	11.60
R020001	Void Space	3.0	21.0	13.20	0.00	8.80
R030001	Void Space	21.0	36.0	18.13	0.00	6.00
R040001	Void Space	36.0	52.0	18.65	0.00	6.00
R050001	Void Space	52.0	71.0	18.38	0.00	3.20
R060001	Void Space	71.0	86.0	18.68	-0.00	3.20
R070001	Void Space	86.0	102.0	18.68	-0.00	1.90
R080001	Void Space	102.0	115.0	18.69	0.00	1.90
R090001	Void Space	115.0	130.0	18.69	0.00	1.90
R100001	Void Space	130.0	146.0	18.69	0.00	1.90
R170001	Void Space	246.0	265.0	8.36	0.00	1.90
R180001	Void Space	265.0	283.0	5.15	0.00	1.90
R210001	Void Space	312.0	328.0	4.31	-0.00	6.00
R110001	Void Space	146.0	202.0	18.68	-0.00	1.90
R140001	Void Space	202.0	246.0	18.70	-0.00	8.80
R170101	Void Space	246.0	265.0	16.68	1.90	6.00
R180101	Void Space	265.0	283.0	17.05	1.90	8.80
R170201	Void Space	246.0	265.0	18.44	6.00	8.80
R200201	Void Space	299.0	312.0	10.45	6.00	8.80

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R010501	Mooring deck aft	-3.0	21.0	18.70	14.45	17.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R100108	Diesel Oil	139.0	146.0	3.90	1.90	5.20
R080102	Diesel Oil	111.0	115.0	7.00	1.90	8.00
R080103	Diesel Oil	111.0	115.0	0.00	1.90	8.00
R040504	Diesel Oil	18.0	21.0	-11.00	15.25	16.80

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R040102	Fresh Water	36.0	52.0	7.00	3.20	8.00
R040103	Fresh Water	36.0	52.0	0.00	3.20	8.00
R160102	Fresh Water	236.0	246.0	10.40	1.90	8.00
R160103	Fresh Water	236.0	246.0	0.00	1.90	8.00
R170102	Fresh Water	246.0	280.0	10.40	1.90	8.00
R170103	Fresh Water	246.0	280.0	3.90	1.90	8.00
R170104	Fresh Water	246.0	280.0	-3.90	1.90	8.00

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R160510	AC-room	202.0	223.0	0.00	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R060407	Apparat space	83.0	86.0	12.16	11.60	14.45
R070407	Apparat space	97.0	102.0	12.16	11.60	14.45
R190504	Stage Pit	286.0	299.0	5.20	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
CHAIN1	Chain locker	322.0	328.0	4.20	11.60	20.75
CHAIN2	Chain locker	322.0	328.0	-0.60	11.60	20.75

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R040505	CO2 room	9.0	21.0	15.70	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R030404	El. sub. station	27.0	36.0	-1.50	11.60	14.45
R060406	El. sub. station	71.0	81.0	12.16	11.60	14.45
R100402	El. sub. station	130.0	144.5	12.16	11.60	14.45
R130404	El. sub. station	189.0	195.0	12.16	11.60	14.45
R150403	El. sub. station	224.0	233.0	-6.40	11.60	14.45
R190404	El. sub. station	292.0	299.0	-1.30	11.60	14.45
R200404	El. sub. station	299.0	307.0	-1.30	11.60	14.45
R070502	El. sub. station	77.0	79.0	3.90	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R090404	El. workshop	116.3	130.0	-2.50	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R200403	Fire equip. room	307.0	312.0	-1.30	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R060404	Garbage handling	71.0	86.0	-4.25	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R070404	Refrigerated Garbage	86.0	102.0	-4.25	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R060102	Incinerator room	71.0	86.0	-7.60	1.90	11.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R060401	Office	77.0	86.0	18.70	11.60	14.45
R070406	Office	86.0	97.0	18.70	11.60	14.45
R080404	Office	102.0	115.0	-2.50	11.60	14.45
R160508	Office	239.0	242.0	9.97	14.45	17.60
R160509	Office	239.0	242.0	-5.90	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R100408	Photo laboratory	130.0	136.0	-6.40	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R220501	Deck store	328.0	347.2	10.18	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R060405	IT	71.0	77.0	18.70	11.60	14.45
R100406	IT Room	136.0	144.0	-6.40	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
AC160401	AC-canal	229.0	231.0	3.90	6.00	50.15
AC040301	AC-canal	35.0	36.0	3.90	14.45	50.15
AC100301	AC-canal	129.0	130.0	3.90	8.80	41.43
AC130301	AC-canal	200.0	202.0	3.90	8.80	41.43
AC070401	AC-canal	79.0	80.0	3.90	14.45	44.35
AC190401	AC-canal	298.0	299.0	3.90	11.60	44.35
AC210501	AC-canal	306.0	307.0	3.90	14.45	41.43

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R050002	Galley GW Tank No 1 P	56.0	71.0	10.40	-0.00	3.20
R050003	Galley GW Tank No 1 s	56.0	71.0	0.00	-0.00	3.20
R090002	Grey Water	118.0	142.0	10.40	-0.00	1.90
R090003	Grey Water	118.0	142.0	3.90	-0.00	1.90
R090004	Grey Water	118.0	142.0	-3.90	-0.00	1.90
R120002	Grey Water	168.0	202.0	10.40	-0.00	1.90
R120003	Grey Water	168.0	202.0	3.90	-0.00	1.90
R120004	Grey Water	168.0	202.0	-3.90	-0.00	1.90
R140002	Laundry GW Tank No 1 P	202.0	233.0	10.40	0.00	1.90
R140003	Laundry GW Tank No 1 S	202.0	233.0	0.00	0.00	1.90
R190001	Grey Water	283.0	299.0	10.41	0.00	6.00
R200001	Grey Water	299.0	312.0	6.99	-0.00	6.00

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R090102	Heavy Fuel Oil	118.0	130.0	10.40	1.90	8.00
R090103	Heavy Fuel Oil	118.0	130.0	3.90	1.90	8.00
R090104	Heavy Fuel Oil	118.0	130.0	-3.90	1.90	8.00
R100102	Heavy Fuel Oil	130.0	136.0	10.40	1.90	8.00
R100103	Heavy Fuel Oil	130.0	136.0	7.00	1.90	8.00
R100104	Heavy Fuel Oil	130.0	136.0	3.90	1.90	8.00
R100105	Heavy Fuel Oil	130.0	136.0	0.00	1.90	8.00
R100106	Heavy Fuel Oil	130.0	136.0	-3.90	1.90	8.00
R100107	Heavy Fuel Oil	130.0	136.0	-7.00	1.90	8.00
R120102	Heavy Fuel Oil	168.0	198.0	10.40	1.90	5.20
R120103	Heavy Fuel Oil	168.0	198.0	3.90	1.90	5.20
R120104	Heavy Fuel Oil	168.0	198.0	-3.90	1.90	5.20

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R020002	Heeling Water	3.0	21.0	18.70	5.91	14.45
R020003	Heeling Water	3.0	21.0	-13.20	5.91	14.45
R080201	Heeling Water	102.0	115.0	18.70	6.00	11.60
R080202	Heeling Water	102.0	115.0	-14.50	6.00	11.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R060004	Lubricating Oil	74.0	83.0	3.80	2.10	3.20
R060005	Lubricating Oil	74.0	83.0	-2.00	2.10	3.20
R070002	Lubricating Oil	89.0	98.0	6.70	0.80	1.90
R070003	Lubricating Oil	89.0	98.0	0.90	0.80	1.90
R070004	Lubricating Oil	89.0	98.0	-4.90	0.80	1.90

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R090101	Apparat space	115.0	130.0	18.70	1.90	6.00
R100101	Apparat space	130.0	146.0	18.70	1.90	8.80
R110101	AWP	146.0	165.0	18.70	1.90	6.00
R120101	Apparat space	165.0	183.0	18.70	1.90	6.00
R130101	Apparat space	183.0	202.0	18.70	1.90	6.00
R050201	Apparat space	52.0	71.0	18.70	6.00	8.80
R190201	Apparat space	283.0	299.0	14.18	6.00	8.80
R050301	Apparat space	52.0	71.0	18.70	8.80	11.60
R060301	Apparat space	71.0	86.0	18.70	8.80	11.60
R070301	Apparat space	86.0	102.0	18.70	8.80	11.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R070405	Bunker station	97.0	102.0	18.70	11.60	14.45
R080405	Bunker station	102.0	107.0	-12.16	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R070401	Control room	86.0	97.0	12.16	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
MC1	Engine casing	74.0	89.0	9.40	11.60	50.15
MC2	Engine casing	86.0	102.0	9.40	11.60	50.15

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R040503	Emer. engine	9.0	21.0	1.70	14.45	17.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R090201	Electric store	115.0	130.0	18.70	6.00	8.80

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R090202	El. Workshop	115.0	130.0	0.00	6.00	8.80

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R050102	Inverter room	56.0	71.0	12.80	3.20	11.60
R050103	Inverter room	56.0	71.0	0.00	3.20	11.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R060003	Miscellaneous	74.0	83.0	7.35	-0.00	3.20
R060002	Miscellaneous	74.0	83.0	-5.20	-0.00	3.20
R070006	Miscellaneous	89.0	99.0	10.40	-0.00	1.90
R070005	Miscellaneous	89.0	99.0	-8.40	-0.00	1.90
R080002	Miscellaneous	105.0	115.0	10.40	0.00	1.90
R080003	Miscellaneous	105.0	115.0	0.00	-0.00	1.90

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R080101	Machinery space	102.0	115.0	18.70	1.90	8.80

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R050101	ME room	52.0	71.0	18.70	3.20	6.00
R060101	ME room	71.0	86.0	18.70	1.90	8.85
R070101	ME room	86.0	102.0	18.70	1.90	8.85

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R010301	Steer. gear	-3.0	3.0	13.20	7.10	11.60
R010302	Steer. gear	-3.0	3.0	0.00	7.10	11.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R030201	Engine store	21.0	36.0	18.70	6.00	8.80

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R040202	Switchboard room	36.0	52.0	0.00	6.00	8.80
R080301	Switchboard room	102.0	115.0	14.50	8.80	11.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R210201	Thruster room	312.0	328.0	9.79	6.00	11.60
R030203	Thruster room	21.0	30.0	5.20	6.00	8.80

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R030202	Transformer room	21.0	36.0	0.00	6.00	8.80
R040201	Transformer room	36.0	52.0	18.70	6.00	8.80

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R030301	Workshop	21.0	36.0	18.70	8.80	11.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R160502	Inner cabin	202.0	246.0	9.97	14.45	17.60
R160507	Inner cabin	202.0	246.0	0.30	14.45	17.60
R190502	Inner cabin	246.0	299.0	9.00	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R160501	Outer cabin	202.0	246.0	18.70	14.45	17.60
R160503	Outer cabin	202.0	246.0	-9.97	14.45	17.60
R190501	Outer cabin	246.0	299.0	18.70	14.45	17.60
R190503	Outer cabin	246.0	299.0	-5.20	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R100502	Pass. corridor	139.0	146.0	10.80	14.45	17.60
R100503	Pass. corridor	139.0	146.0	-6.10	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
PL1	Lift pax	45.6	48.2	3.90	16.60	53.15
PL10	Lift pax	239.6	242.2	3.90	10.60	53.15
PL11	Lift pax	242.2	246.0	-1.84	10.60	50.15
PL12	Lift pax	242.2	246.0	3.90	10.60	50.15
PL2	Lift pax	48.2	52.0	3.90	16.60	53.15
PL3	Lift pax	146.0	149.5	-1.08	10.60	44.35
PL4	Lift pax	146.0	149.5	1.08	10.60	44.35
PL5	Lift pax	146.0	149.5	3.44	10.60	44.35
PL6	Lift pax	153.0	156.0	-1.58	10.60	44.35
PL7	Lift pax	153.0	156.0	1.58	10.60	44.35
PL8	Lift pax	153.0	156.0	4.74	10.60	44.35
PL9	Lift pax	239.6	242.2	-1.84	10.60	53.15
PL13	Lift pax	45.6	48.2	-1.84	16.60	53.15
PL14	Lift pax	48.2	52.0	-1.84	16.60	53.15

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R110302	Pax stairs	146.0	152.0	18.70	8.80	11.60
R110303	Pax stairs	146.0	152.0	-14.40	8.80	11.60
R160302	Pax stairs	233.0	239.0	18.70	8.80	11.60
R160303	Pax stairs	233.0	239.0	-14.40	8.80	11.60
R100411	Pax stairs	136.0	146.0	3.90	11.60	14.45
R110408	Pax stairs	146.0	152.0	18.70	11.60	14.45
R110409	Pax stairs	146.0	152.0	-14.40	11.60	14.45
R160411	Pax stairs	231.0	246.0	3.90	11.60	14.45
R160406	Pax stairs	233.0	239.0	18.70	11.60	14.45
R160407	Pax stairs	233.0	239.0	-14.40	11.60	14.45
R100511	Pax stairs	136.0	146.0	6.10	14.45	17.60
R160511	Pax stairs	231.0	246.0	3.90	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R130505	Ala carte	180.0	202.0	-3.90	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R130507	Cafeteria	180.0	195.0	10.40	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R100501	Dining room	102.0	139.0	18.70	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R130501	Restaurant	153.0	195.0	18.70	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R100504	Pax toilet	139.0	146.0	18.70	14.45	17.60
R100505	Pax toilet	139.0	146.0	-10.80	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R040402	Apparat space	36.0	39.0	18.70	11.60	14.45
R040404	Apparat space	36.0	39.0	-15.60	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R020302	Serv. corridor	18.0	21.0	1.50	8.80	11.60
R030302	Serv. corridor	21.0	36.0	1.50	8.80	11.60
R040302	Serv. corridor	36.0	45.0	8.49	8.80	11.60
R010403	Serv. corridor	0.0	3.0	1.50	11.60	14.45
R020403	Serv. corridor	3.0	21.0	1.50	11.60	14.45
R030403	Serv. corridor	21.0	36.0	4.10	11.60	14.45
R040401	Serv. corridor	36.0	52.0	18.70	11.60	14.45
R060402	Serv. corridor	71.0	86.0	5.45	11.60	14.45
R070402	Serv. corridor	86.0	102.0	5.45	11.60	14.45
R080403	Serv. corridor	102.0	115.0	5.45	11.60	14.45
R090403	Serv. corridor	115.0	130.0	0.00	11.60	14.45
R100403	Serv. corridor	130.0	146.0	12.16	11.60	14.45
R110403	Serv. corridor	146.0	165.0	7.70	11.60	14.45
R120402	Serv. corridor	165.0	183.0	1.30	11.60	14.45
R130402	Serv. corridor	183.0	202.0	1.30	11.60	14.45

R140402	Serv. corridor	202.0	218.0	1.30	11.60	14.45
R150402	Serv. corridor	218.0	233.0	6.40	11.60	14.45
R160403	Serv. corridor	233.0	246.0	-3.90	11.60	14.45
R170402	Serv. corridor	246.0	265.0	1.30	11.60	14.45
R180402	Serv. corridor	265.0	283.0	1.30	11.60	14.45
R190402	Serv. corridor	283.0	299.0	1.30	11.60	14.45
R200402	Serv. corridor	299.0	312.0	1.30	11.60	14.45
R210403	Serv. corridor	312.0	315.0	1.30	11.60	14.45
R040406	Serv. corridor	36.0	39.0	1.50	11.60	14.45
R160408	Serv. corridor	233.0	239.0	6.40	11.60	14.45

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R110401	Entrance hall	146.0	159.0	18.70	11.60	14.45
R160401	Entrance hall	233.0	246.0	18.70	11.60	14.45
R160405	Entrance hall	233.0	246.0	-6.40	11.60	14.45
R110406	Entrance hall	146.0	159.0	-7.70	11.60	14.45
R130502	Entrance hall	146.0	153.0	-10.80	14.45	17.60
R130503	Entrance hall	146.0	153.0	18.70	14.45	17.60
R160504	Entrance hall	242.0	246.0	18.70	14.45	17.60
R160505	Entrance hall	242.0	246.0	-11.95	14.45	17.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R050511	Galley	62.0	65.0	3.90	14.45	17.60
R070501	Galley	52.0	102.0	18.70	14.45	17.60
R130504	Galley	195.0	202.0	18.70	14.45	17.60
R160506	Galley	202.0	223.0	5.85	14.45	17.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R130506	Hall	146.0	174.0	10.80	14.45	17.60

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R080402	Hospital	104.0	115.0	12.16	11.60	14.45
R090402	Hospital	116.2	130.0	12.16	11.60	14.45

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R100201	Hotel store	130.0	146.0	12.16	6.00	8.80
R110201	Hotel store	146.0	165.0	18.70	6.00	8.80

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R150101	Laundry	218.0	233.0	18.61	1.90	6.00

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
SL10	Service lift	226.0	229.0	-1.51	5.00	47.25
SL11	Service lift	133.0	136.0	1.51	5.00	41.42
SL5	Service lift	133.0	136.0	3.90	5.00	44.35
SL6	Service lift	133.0	136.0	-1.51	5.00	41.43
SL7	Service lift	226.0	229.0	1.51	4.50	47.25
SL9	Service lift	226.0	229.0	3.90	5.00	47.25
SL1	Service lift	59.0	62.0	-1.51	10.60	44.35
SL2	Service lift	59.0	62.0	3.90	10.60	47.25
SL3	Service lift	59.0	62.0	1.51	10.60	44.35

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R150211	Lift/crew lobby	223.0	226.0	3.90	6.00	8.80
R150311	Lift/crew lobby	223.0	226.0	3.90	8.80	11.60
R090511	Lift/crew lobby	130.0	133.0	3.90	14.45	17.60
R150511	Lift/crew lobby	223.0	226.0	3.90	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R110411	Lift/Pax lobby	146.0	157.0	5.20	11.60	14.45
R110511	Lift/Pax lobby	146.0	153.0	6.10	14.45	17.60

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R140201	Linen store	202.0	218.0	18.70	6.00	8.80
R140203	Linen store	202.0	218.0	0.00	6.00	8.80
R150201	Linen store	218.0	233.0	18.70	6.00	8.80

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R050401	Luggages	52.0	71.0	18.70	11.60	14.45
R150401	Luggages	218.0	233.0	18.70	11.60	14.45
R150404	Luggages	218.0	233.0	-6.40	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R090407	Pantry	116.2	119.0	3.90	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R020402	Preparation	15.0	21.0	13.20	11.60	14.45
R030402	Preparation	21.0	27.0	13.20	11.60	14.45

NAME	ID	FRMIN #	FRMAX #	YMAX m	ZMIN m	ZMAX m
R040301	Provision	36.0	52.0	18.70	8.80	11.60
R040303	Provision	36.0	52.0	0.00	8.80	11.60
R050402	Provision	52.0	65.0	18.70	11.60	14.45

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R020301	Refrigerator	3.0	21.0	13.20	8.80	11.60
R020303	Refrigerator	3.0	21.0	0.00	8.80	11.60
R030303	Refrigerator	21.0	36.0	-1.50	8.80	11.60
R030405	Refrigerator	21.0	36.0	-1.50	11.60	14.45
R010401	Refrigerator	-4.7	3.0	18.70	11.60	14.45
R010402	Refrigerator	-4.7	3.0	0.00	11.60	14.45
R020401	Refrigerator	3.0	15.0	13.20	11.60	14.45
R020404	Refrigerator	3.0	21.0	-1.50	11.60	14.45
R030401	Refrigerator	21.0	36.0	18.70	11.60	14.45
R040403	Refrigerator	36.0	42.0	18.70	11.60	14.45
R040405	Refrigerator	36.0	42.0	-7.60	11.60	14.45

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R090408	Crew shop	116.3	128.0	-2.50	11.60	14.45

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R140101	Store	202.0	218.0	18.70	1.90	6.00
R210402	Store	312.0	328.0	0.00	11.60	14.45

NAME	ID	FRMIN	FRMAX	YMAX	ZMIN	ZMAX
		#	#	m	m	m
R200401	Workshop tech.	299.0	312.0	15.65	11.60	14.45
R210401	Workshop tech.	312.0	328.0	12.51	11.60	14.45

9 GEOMETRY DEFINITIONS

9.1 REFERENCES

MAIN CHARACTERISTICS OF THE VESSEL:

Length betw. perpendiculars	300.70	m
Breadth, moulded	37.40	m
Design draught	8.50	m
X-coord. of after perpendicular	0.00	m
X-coord. of reference point	150.35	m
X-coord. of midship section	150.35	m
X-coord. of building frame 0	-0.00	m
Thickness of keelplate	0.019	m
Mean thickness of shell plating	0.015	m
Density of water	1.0250	ton/m3

9.2 HULL

Calculations are based on STABHULL date 09-05-25 time 7.07

Shell thickness used in the calculation	0.0	mm
X-coord. of aft end of DWL	-6.76	m
X-coord. of fore end of DWL	300.69	m

Calc. sections	163
Plate thickness:	0.0mm

10 RELEVANT OPENINGS

10.1 OPENINGS WITH CONNECTED COMPARTMENTS

ID	DES	CONN	WT
O003P	SERVICE CORRIDOR #3 PS	R010403 R020403	UNPROTECTED
O003S	SERVICE CORRIDOR #3 SB	R010303 R020403	UNPROTECTED
O021P	SERVICE CORRIDOR #21 PS	R020403 R030403	UNPROTECTED
O021S	SERVICE CORRIDOR #21 SB	R020403 R030403	UNPROTECTED
O036P	SERVICE CORRIDOR #36 PS	R030403 R040401	UNPROTECTED
O036S	SERVICE CORRIDOR #36 SB	R030403 R040401	UNPROTECTED
O052P	PROVISION HANDLING #52 PS	R040401 R050401	UNPROTECTED
O052PD05	OFFICER MESS #52 PS D05	R040502 R070501	UNPROTECTED
O052S	PROVISION HANDLING #52 SB	R040401 R050401	UNPROTECTED
O052SD05	STAFF MESS #52 PS D05	R040501 R070501	UNPROTECTED
O071P	LUGGAGE HANDLING #71 PS	R050401 R060402	UNPROTECTED
O071S	LUGGAGE HANDLING #71 SB	R050401 R060402	UNPROTECTED
O086P	CREW CORRIDOR #86 PS	R060402 R070402	UNPROTECTED
O086S	SERVICE CORRIDOR #86 SB	R060403 R070403	UNPROTECTED
O102P	CREW CORRIDOR #102 PS	R070402 R080403	UNPROTECTED
O102PD05	RESTAURANT #102 PS D05	R070503 R100501	UNPROTECTED
O102SD05	RESTAURANT #102 SB D05	R070504 R100501	UNPROTECTED
O115P	SERVICE CORRIDOR #115 PS	R080403 R090403	UNPROTECTED
O115S	SERVICE CORRIDOR #115 SB	R080403 R090403	UNPROTECTED
O120S	GARBAGE ROOM #102 SB	R070404 R080404	UNPROTECTED
O130P	SERVICE CORRIDOR #130 PS	R090403 R100403	UNPROTECTED
O130S	SERVICE CORRIDOR #130 SB	R090403 R100403	UNPROTECTED
O146P	SERVICE CORRIDOR #146 PS	R100403 R110403	UNPROTECTED
O146PD05	PAS CORRIDOR #146 PS D05	R100502 R130501	UNPROTECTED
O146S	SERVICE CORRIDOR #146 SB	R100403 R110403	UNPROTECTED
O146SD05	PAS CORRIDOR #146 SB D05	R100503 R130501	UNPROTECTED
O165P	SERVICE CORRIDOR #165 PS	R110403 R120402	UNPROTECTED
O165S	SERVICE CORRIDOR #165 SB	R110403 R120402	UNPROTECTED
O183P	SERVICE CORRIDOR #182 PS	R120402 R130402	UNPROTECTED
O183S	SERVICE CORRIDOR #182 SB	R120402 R130402	UNPROTECTED
O202P	SERVICE CORRIDOR #202 PS	R130402 R140402	UNPROTECTED
O202PD05	PAS CORRIDOR #202 PS D05	R130501 R160501	UNPROTECTED
O202S	SERVICE CORRIDOR #202 SB	R130402 R140402	UNPROTECTED
O202SD05	PAS CORRIDOR #202 SB D05	R130501 R160503	UNPROTECTED
O218P	SERVICE CORRIDOR #218 PS	R140402 R150402	UNPROTECTED
O218S	SERVICE CORRIDOR #218 SB	R140402 R150402	UNPROTECTED
O233P	SERVICE CORRIDOR #231 PS	R150401 R160401	UNPROTECTED
O233S	SERVICE CORRIDOR #233 SB	R150402 R160403	UNPROTECTED
O246P	SERVICE CORRIDOR #246 PS	R160411 R170402	UNPROTECTED
O246PD05	PAS CORRIDOR #246 PS D05	R160504 R190501	UNPROTECTED
O246S	SERVICE CORRIDOR #246 SB	R160403 R170402	UNPROTECTED
O246SD05	PAS CORRIDOR #246 SB D05	R160505 R190503	UNPROTECTED
O265P	SERVICE CORRIDOR #265 PS	R170402 R180402	UNPROTECTED
O265S	SERVICE CORRIDOR #265 SB	R170402 R180402	UNPROTECTED
O283P	SERVICE CORRIDOR #283 PS	R180402 R190402	UNPROTECTED
O283S	SERVICE CORRIDOR #283 SB	R180402 R190402	UNPROTECTED
O299P	SERVICE CORRIDOR #299 PS	R190402 R200402	UNPROTECTED
O299PD05	PAS CORRIDOR #299 PS D05	R190501 R200511	UNPROTECTED
O299S	SERVICE CORRIDOR #299 SB	R190402 R200402	UNPROTECTED
O299SD05	PAS CORRIDOR #299 SB D05	R190503 R200511	UNPROTECTED
O312P	SERVICE CORRIDOR #312 PS	R200402 R210403	UNPROTECTED
O312S	SERVICE CORRIDOR #312 SB	R200402 R210403	UNPROTECTED
SW01PU	SWT-LIMIT BH1 P, UPPER	R010401 R020401	UNPROTECTED

SW01SU	SWT-LIMIT BH1 S, UPPER	R010402 R020404	UNPROTECTED
SW02PU	SWT-LIMIT BH2 P, UPPER	R020002 R030401	UNPROTECTED
SW02SU	SWT-LIMIT BH2 S, UPPER	R020404 R030405	UNPROTECTED
SW03PU	SWT-LIMIT BH3 P UPPER	R030401 R040401	UNPROTECTED
SW03SU	SWT-LIMIT BH3 S UPPER	R030405 R040401	UNPROTECTED
SW04S	SWT-LIMIT BH4 S	R040411 R050412	UNPROTECTED
SW05PU	SWT-LIMIT BH5 P UPPER	R050401 R060405	UNPROTECTED
SW05S	SWT-LIMIT BH5 P	R050401 R060402	UNPROTECTED
SW05SU	SWT-LIMIT BH5 P UPPER	R050401 R060404	UNPROTECTED
SW06PU	SWT-LIMIT BH6 P UPPER	R060407 R070401	UNPROTECTED
SW06SU	SWT-LIMIT BH6 S UPPER	R060404 R070404	UNPROTECTED
SW07PU	SWT-LIMIT BH7 P UPPER	R070405 R080401	UNPROTECTED
SW07SU	SWT-LIMIT BH7 S UPPER	R070404 R080405	UNPROTECTED
SW08P	SWT-LIMIT BH8 P	R080402 R090406	UNPROTECTED
SW08PU	SWT-LIMIT BH8 P UPPER	R080402 R090406	UNPROTECTED
SW08S	SWT-LIMIT BH8 S	R080404 R090405	UNPROTECTED
SW08SU	SWT-LIMIT BH8 S UPPER	R080404 R090405	UNPROTECTED
SW09PU	SWT-LIMIT BH9 P UPPER	R090402 R100402	UNPROTECTED
SW09SU	SWT-LIMIT BH9 S UPPER	R090404 R100408	UNPROTECTED
SW11P	SWT-LIMIT BH11 P	R110403 R120401	UNPROTECTED
SW11PU	SWT-LIMIT BH11 P UPPER	R110402 R120401	UNPROTECTED
SW11S	SWT-LIMIT BH11 S	R110403 R120403	UNPROTECTED
SW11SU	SWT-LIMIT BH11 S UPPER	R110403 R120403	UNPROTECTED
SW12P	SWT-LIMIT BH12 P	R120401 R130401	UNPROTECTED
SW12PU	SWT-LIMIT BH12 P UPPER	R120401 R130401	UNPROTECTED
SW12S	SWT-LIMIT BH12 S	R120403 R130403	UNPROTECTED
SW12SU	SWT-LIMIT BH12 S UPPER	R120403 R130403	UNPROTECTED
SW13P	SWT-LIMIT BH13 P	R130401 R140401	UNPROTECTED
SW13S	SWT-LIMIT BH13 S	R130403 R140403	UNPROTECTED
SW14P	SWT-LIMIT BH14 P	R140401 R150401	UNPROTECTED
SW14PU	SWT-LIMIT BH14 P UPPER	R140401 R150401	UNPROTECTED
SW14S	SWT-LIMIT BH14 S	R140403 R150402	UNPROTECTED
SW14SU	SWT-LIMIT BH14 S UPPER	R140403 R150404	UNPROTECTED
SW15PU	SWT-LIMIT BH15 P UPPER	R150401 R160411	UNPROTECTED
SW15SU	SWT-LIMIT BH15 S UPPER	R150403 R160405	UNPROTECTED
SW17PU	SWT-LIMIT BH17 P UPPER	R170401 R180401	UNPROTECTED
SW17SU	SWT-LIMIT BH17 S UPPER	R170403 R180403	UNPROTECTED
SW18PU	SWT-LIMIT BH18 P UPPER	R180401 R190401	UNPROTECTED
SW18SU	SWT-LIMIT BH18 S UPPER	R180403 R190403	UNPROTECTED
SW20PU	SWT-LIMIT BH20 P UPPER	R200401 R210401	UNPROTECTED
SW20SU	SWT-LIMIT BH20 S UPPER	R200403 R210402	UNPROTECTED

10.2 LOCATION OF OPENINGS

ID	FR	REFY	REFZ
O003P	3.00	1.50	11.60
O003S	3.00	-1.50	11.60
O021P	21.00	1.50	11.60
O021S	21.00	-1.50	11.60
O036P	36.00	4.10	11.60
O036S	36.00	-1.50	11.60
O052P	52.00	3.90	11.60
O052PD05	52.00	11.50	14.45
O052S	52.00	1.50	11.60
O052SD05	52.00	-11.50	14.45
O071P	71.00	5.45	11.60
O071S	71.00	2.95	11.60
O086P	86.00	5.45	11.60
O086S	86.00	-5.45	11.60
O102P	102.00	5.45	11.60
O102PD05	102.00	11.50	14.45
O102SD05	102.00	-11.50	14.45
O115P	115.00	0.00	11.60
O115S	115.00	-2.50	11.60
O120S	102.00	-5.45	11.60
O130P	130.00	6.40	11.60
O130S	130.00	-2.50	11.60
O146P	146.00	6.40	11.60
O146PD05	146.00	10.80	14.45
O146S	146.00	-6.40	11.60
O146SD05	146.00	-10.80	14.45
O165P	165.00	1.30	11.60
O165S	165.00	-1.30	11.60
O183P	183.00	1.30	11.60
O183S	183.00	-1.30	11.60
O202P	202.00	1.30	11.60
O202PD05	202.00	11.50	14.45
O202S	202.00	-1.30	11.60
O202SD05	202.00	-11.50	14.45
O218P	218.00	1.30	11.60
O218S	218.00	-1.30	11.60
O233P	233.00	6.40	11.60
O233S	233.00	-6.40	11.60
O246P	246.00	0.60	11.60
O246PD05	246.00	11.50	14.45
O246S	246.00	-0.60	11.60
O246SD05	246.00	-11.50	14.45
O265P	265.00	1.30	11.60
O265S	265.00	-1.30	11.60
O283P	283.00	1.30	11.60
O283S	283.00	-1.30	11.60
O299P	299.00	-1.30	11.60
O299PD05	299.00	6.50	14.45
O299S	299.00	1.30	11.60
O299SD05	299.00	-6.50	14.45
O312P	312.00	1.30	11.60
O312S	312.00	-1.30	11.60
SW01PU	3.00	12.10	14.45
SW01SU	3.00	-11.40	14.45
SW02PU	21.00	9.00	14.45

SW02SU	21.00	-8.60	14.45
SW03PU	36.00	10.00	14.45
SW03SU	36.00	-10.00	14.45
SW04S	52.00	-1.30	11.60
SW05PU	71.00	11.50	14.45
SW05S	71.00	-2.20	11.60
SW05SU	71.00	-11.50	14.45
SW06PU	86.00	11.50	14.45
SW06SU	86.00	-11.50	14.45
SW07PU	102.00	10.90	14.45
SW07SU	102.00	-12.30	14.45
SW08P	115.00	5.10	11.60
SW08PU	115.00	11.50	14.45
SW08S	115.00	-3.80	11.60
SW08SU	115.00	-12.50	14.45
SW09PU	130.00	11.80	14.45
SW09SU	130.00	-11.30	14.45
SW11P	165.00	4.60	11.60
SW11PU	165.00	12.00	14.45
SW11S	165.00	-3.40	11.60
SW11SU	165.00	-10.20	14.45
SW12P	183.00	3.50	11.60
SW12PU	183.00	11.30	14.45
SW12S	183.00	-3.20	11.60
SW12SU	183.00	-10.70	14.45
SW13P	202.00	3.90	11.60
SW13S	202.00	-2.70	11.60
SW14P	218.00	2.50	11.60
SW14PU	218.00	11.50	14.45
SW14S	218.00	-2.20	11.60
SW14SU	218.00	-11.50	14.45
SW15PU	233.00	11.50	14.45
SW15SU	233.00	-11.50	14.45
SW17PU	265.00	9.90	14.45
SW17SU	265.00	-9.90	14.45
SW18PU	283.00	8.00	14.45
SW18SU	283.00	-8.00	14.45
SW20PU	312.00	4.00	14.45
SW20SU	312.00	-4.00	14.45

11 INITIAL CONDITIONS

11.1 SUMMARY TABLE

The following table shows the way how the attained index is,
calculated for the initial conditions.
Basically for each draught damages on both sides will be calculated,
and via the weight factors the mean value will be achieved.

INIT	DAMTAB	WCOEF	SUBD
DS	DAM	0.200	SUBPAS
DP	DAM	0.200	SUBPAS
DL	DAM	0.100	SUBPAS
DS	DAMP	0.200	SUBPAS
DP	DAMP	0.200	SUBPAS
DL	DAMP	0.100	SUBPAS

7.2 INITIAL CASE DEFINITIONS

INITIAL CONDITIONS

INIT		DL	DP	DS
T0	m	8.100	8.520	8.800
TR0	m	0.000	0.000	0.000
GM0	m	1.900	2.250	2.400

Initial condition : DSDS, Deepest subdivision draught
Damage case : INITIALINITIAL
Stage of damage : 1
Phase of stage : EQ

HEEL degree	GZ m	EPHI rad*m	T m	TR m
0.0	0.000	0.000	8.800	-0.000
1.0	0.042	0.000	8.798	0.002
3.0	0.125	0.003	8.781	0.016
5.0	0.208	0.009	8.748	0.040
7.0	0.289	0.018	8.699	0.064
10.0	0.408	0.036	8.597	0.093
12.0	0.488	0.052	8.509	0.106
15.0	0.610	0.080	8.346	0.114
20.0	0.820	0.143	7.989	0.088
30.0	0.985	0.309	6.917	-0.163
40.0	0.001	0.413	5.597	-0.373
50.0	-1.588	0.277	4.145	-0.474

Initial condition : DPDP, Partial subdivision draught, 60%
Damage case : INITIALINITIAL
Stage of damage : 1
Phase of stage : EQ

HEEL degree	GZ m	EPHI rad*m	T m	TR m
0.0	0.000	0.000	8.520	-0.000
1.0	0.039	0.000	8.518	0.003
3.0	0.118	0.003	8.501	0.022
5.0	0.198	0.009	8.467	0.053
7.0	0.277	0.017	8.418	0.085
10.0	0.393	0.034	8.315	0.127
12.0	0.471	0.050	8.226	0.147
15.0	0.588	0.077	8.064	0.170
20.0	0.787	0.137	7.706	0.165
30.0	0.910	0.295	6.605	-0.011
40.0	-0.097	0.383	5.213	-0.135
50.0	-1.733	0.226	3.701	-0.164

Initial condition : DLDL, Light service draught
Damage case : INITIALINITIAL
Stage of damage : 1
Phase of stage : EQ

HEEL degree	GZ m	EPHI rad*m	T m	TR m
0.0	0.000	0.000	8.100	-0.000
1.0	0.033	0.000	8.098	0.002
3.0	0.100	0.003	8.081	0.016
5.0	0.170	0.007	8.048	0.047
7.0	0.241	0.014	7.998	0.088
10.0	0.346	0.030	7.894	0.146
12.0	0.416	0.043	7.805	0.176
15.0	0.520	0.068	7.642	0.209
20.0	0.686	0.120	7.282	0.231
30.0	0.689	0.251	6.145	0.169
40.0	-0.369	0.294	4.649	0.163
50.0	-2.091	0.085	3.050	0.234

12 RESULT OF PROBABILISTIC CALCULATION

12.1 SUMMARY OF INDEX

ATTAINED AND REQUIRED SUBDIVISION INDEX

Subdivision length 315.673 m
Breadth at the load line 37.400 m
Breadth at the bulkhead deck 37.400 m
Number of persons N1 4200
Number of persons N2 1400

Required subdivision index R = 0.84867

Attained subdivision index A = 0.87079

INIT	DAMTAB	T m	TR m	GM m	A/R %	A	WCOEF	A*WCOEF
DS	DAM	8.80	0.00	2.40	102.7	0.87179	0.20	0.17436
DP	DAM	8.52	0.00	2.25	104.9	0.88984	0.20	0.17797
DL	DAM	8.10	0.00	1.90	100.0	0.84863	0.10	0.08486
DS	DAMP	8.80	0.00	2.40	101.9	0.86453	0.20	0.17291
DP	DAMP	8.52	0.00	2.25	103.7	0.88024	0.20	0.17605
DL	DAMP	8.10	0.00	1.90	99.7	0.84649	0.10	0.08465
A-INDEX TOTAL								

T = Initial draught /m
TR = Initial trim /m
GM = Metacentric height /m
A/R = Attained index/required index /%
A = Partial attained index
WCOEF = Weight coefficient
A*WCOEF = Global weighed index
max A*WCOEF = Maximum Global weighed index
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12.2 CONTRIBUTION OF MULTIZONE DAMAGES

PROBABILISTIC DAMAGE STABILITY

DAMAGES	max A*WCOEF	A*WCOEF
1-ZONE DAMAGES	0.30808	0.30808
2-ZONE DAMAGES	0.40508	0.40393
3-ZONE DAMAGES	0.17499	0.15879
A-INDEX TOTAL	0.88814	0.87079

DETAILED LIST OF p,v, s, wcoef, p*V*s FACTORS

ZONE = Damaged zone - one, two, three or four compartment damages
IB = Index of longitudinal subdivision
IH = Index of upward horizontal subdivision
PFAC = "p" - factor
VFAC = "v" - factor
SFAC = "s" - factor
WCOEF = Weight coefficient
W*P*V*S = Partial attained subdivision index of each damage case

PROBABILISTIC DAMAGE STABILITY

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KS1.1.0	Z1	1	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KS1.0.0	Z1	0	0	0.01783	1.00000	1.00000	0.20	0.00357
DS/KS2.1.0	Z2	1	0	0.00667	1.00000	1.00000	0.20	0.00133
DS/KS2.0.0	Z2	0	0	0.00911	1.00000	1.00000	0.20	0.00182
DS/KS3.0.0-1	Z3	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DS/KS4.1.0	Z4	1	0	0.01093	1.00000	1.00000	0.20	0.00219
DS/KS4.0.0	Z4	0	0	0.00067	1.00000	1.00000	0.20	0.00013
DS/KS5.1.0-1	Z5	1	0	0.01079	1.00000	1.00000	0.20	0.00216
DS/KS5.2.0-1	Z5	2	0	0.00229	1.00000	1.00000	0.20	0.00046
DS/KS5.0.0	Z5	0	0	0.00315	1.00000	1.00000	0.20	0.00063
DS/KS6.0.0	Z6	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DS/KS7.0.0	Z7	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DS/KS8.1.0-1	Z8	1	0	0.00669	1.00000	1.00000	0.20	0.00134
DS/KS8.2.0	Z8	2	0	0.00071	1.00000	1.00000	0.20	0.00014
DS/KS8.0.0	Z8	0	0	0.00027	1.00000	1.00000	0.20	0.00005
DS/KS9.1.0-1	Z9	1	0	0.00939	1.00000	1.00000	0.20	0.00188
DS/KS9.2.0	Z9	2	0	0.00167	1.00000	1.00000	0.20	0.00033
DS/KS9.0.0	Z9	0	0	0.00016	1.00000	1.00000	0.20	0.00003
DS/KS10.1.0-1	Z10	1	0	0.00968	1.00000	1.00000	0.20	0.00194
DS/KS10.2.0	Z10	2	0	0.00175	1.00000	1.00000	0.20	0.00035
DS/KS10.0.0	Z10	0	0	0.00018	1.00000	1.00000	0.20	0.00004
DS/KS11.1.0-1	Z11	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DS/KS11.2.0	Z11	2	0	0.00192	1.00000	1.00000	0.20	0.00038
DS/KS11.0.0	Z11	0	0	0.00123	1.00000	1.00000	0.20	0.00025
DS/KS12.1.0-1	Z12	1	0	0.01275	1.00000	1.00000	0.20	0.00255
DS/KS12.2.0	Z12	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DS/KS12.0.0	Z12	0	0	0.00036	1.00000	1.00000	0.20	0.00007
DS/KS13.1.0-1	Z13	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DS/KS13.2.0	Z13	2	0	0.00277	1.00000	1.00000	0.20	0.00055
DS/KS13.0.0	Z13	0	0	0.00038	1.00000	1.00000	0.20	0.00008
DS/KS14.1.0-1	Z14	1	0	0.00990	1.00000	1.00000	0.20	0.00198
DS/KS14.0.0	Z14	0	0	0.00171	1.00000	1.00000	0.20	0.00034
DS/KS15.1.0-1	Z15	1	0	0.01019	1.00000	1.00000	0.20	0.00204
DS/KS15.0.0	Z15	0	0	0.00102	1.00000	1.00000	0.20	0.00020
DS/KS16.1.0	Z16	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DS/KS16.2.0	Z16	2	0	0.00102	1.00000	1.00000	0.20	0.00020
DS/KS16.3.0	Z16	3	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KS17.1.0	Z17	1	0	0.01229	1.00000	1.00000	0.20	0.00246
DS/KS17.2.0	Z17	2	0	0.00337	1.00000	1.00000	0.20	0.00067
DS/KS17.3.0	Z17	3	0	0.00057	1.00000	1.00000	0.20	0.00011
DS/KS18.1.0	Z18	1	0	0.01174	1.00000	1.00000	0.20	0.00235

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KS18.2.0	Z18	2	0	0.00285	1.00000	1.00000	0.20	0.00057
DS/KS18.3.0	Z18	3	0	0.00119	1.00000	1.00000	0.20	0.00024
DS/KS18.4.0	Z18	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KS19.0.0-1	Z19	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DS/KS20.0.0-1	Z20	0	0	0.00766	1.00000	1.00000	0.20	0.00153
DS/KS21.0.0-1	Z21	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DS/KS22.0.0	Z22	0	0	0.04051	1.00000	1.00000	0.20	0.00810
DS/KS1-2.1.0	Z1/Z2	1	0	0.00657	1.00000	1.00000	0.20	0.00131
DS/KS1-2.0.0	Z1/Z2	0	0	0.01888	1.00000	1.00000	0.20	0.00378
DS/KS2-3.1.0	Z2/Z3	1	0	0.00517	1.00000	1.00000	0.20	0.00103
DS/KS2-3.0.0	Z2/Z3	0	0	0.01472	1.00000	1.00000	0.20	0.00294
DS/KS3-4.1.0-1	Z3/Z4	1	0	0.01408	1.00000	1.00000	0.20	0.00282
DS/KS3-4.0.0-1	Z3/Z4	0	0	0.00350	1.00000	1.00000	0.20	0.00070
DS/KS4-5.1.0	Z4/Z5	1	0	0.00946	1.00000	1.00000	0.20	0.00189
DS/KS4-5.2.0	Z4/Z5	2	0	0.00316	1.00000	0.98898	0.20	0.00062
DS/KS4-5.3.0	Z4/Z5	3	0	0.00361	1.00000	1.00000	0.20	0.00072
DS/KS4-5.0.0	Z4/Z5	0	0	0.00415	1.00000	1.00000	0.20	0.00083
DS/KS5-6.1.0	Z5/Z6	1	0	0.00934	1.00000	1.00000	0.20	0.00187
DS/KS5-6.2.0	Z5/Z6	2	0	0.00312	1.00000	1.00000	0.20	0.00062
DS/KS5-6.0.0	Z5/Z6	0	0	0.00765	1.00000	1.00000	0.20	0.00153
DS/KS6-7.0.0	Z6/Z7	0	0	0.01758	1.00000	1.00000	0.20	0.00352
DS/KS7-8.1.0	Z7/Z8	1	0	0.00941	1.00000	1.00000	0.20	0.00188
DS/KS7-8.2.0	Z7/Z8	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DS/KS7-8.0.0	Z7/Z8	0	0	0.00289	1.00000	1.00000	0.20	0.00058
DS/KS8-9.1.0-1	Z8/Z9	1	0	0.00929	1.00000	1.00000	0.20	0.00186
DS/KS8-9.2.0	Z8/Z9	2	0	0.00263	1.00000	1.00000	0.20	0.00053
DS/KS8-9.3.0	Z8/Z9	3	0	0.00167	1.00000	1.00000	0.20	0.00033
DS/KS8-9.0.0	Z8/Z9	0	0	0.00117	1.00000	1.00000	0.20	0.00023
DS/KS9-10.1.0-1	Z9/Z10	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DS/KS9-10.2.0	Z9/Z10	2	0	0.00514	1.00000	1.00000	0.20	0.00103
DS/KS9-10.0.0	Z9/Z10	0	0	0.00148	1.00000	0.99133	0.20	0.00029
DS/KS10-11.1.0-1	Z10/Z11	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DS/KS10-11.2.0	Z10/Z11	2	0	0.00361	1.00000	1.00000	0.20	0.00072
DS/KS10-11.3.0	Z10/Z11	3	0	0.00237	1.00000	1.00000	0.20	0.00047
DS/KS10-11.0.0	Z10/Z11	0	0	0.00179	1.00000	1.00000	0.20	0.00036
DS/KS11-12.1.0-1	Z11/Z12	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DS/KS11-12.2.0	Z11/Z12	2	0	0.00407	1.00000	0.96467	0.20	0.00078
DS/KS11-12.3.0	Z11/Z12	3	0	0.00269	1.00000	0.95350	0.20	0.00051
DS/KS11-12.0.0	Z11/Z12	0	0	0.00207	1.00000	0.93912	0.20	0.00039
DS/KS12-13.1.0-1	Z12/Z13	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DS/KS12-13.2.0	Z12/Z13	2	0	0.00676	1.00000	1.00000	0.20	0.00135
DS/KS12-13.0.0	Z12/Z13	0	0	0.00207	1.00000	1.00000	0.20	0.00041
DS/KS13-14.1.0-1	Z13/Z14	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DS/KS13-14.2.0	Z13/Z14	2	0	0.00052	1.00000	1.00000	0.20	0.00010
DS/KS13-14.3.0	Z13/Z14	3	0	0.00545	1.00000	0.99942	0.20	0.00109
DS/KS13-14.0.0	Z13/Z14	0	0	0.00179	1.00000	0.99150	0.20	0.00035
DS/KS14-15.1.0	Z14/Z15	1	0	0.01142	1.00000	0.96363	0.20	0.00220
DS/KS14-15.2.0	Z14/Z15	2	0	0.00146	1.00000	0.93494	0.20	0.00027
DS/KS14-15.0.0	Z14/Z15	0	0	0.00470	1.00000	1.00000	0.20	0.00094
DS/KS15-16.1.0-1	Z15/Z16	1	0	0.00917	1.00000	1.00000	0.20	0.00183
DS/KS15-16.2.0-1	Z15/Z16	2	0	0.00174	1.00000	1.00000	0.20	0.00035
DS/KS15-16.3.0	Z15/Z16	3	0	0.00382	1.00000	1.00000	0.20	0.00076
DS/KS15-16.4.0	Z15/Z16	4	0	0.00002	1.00000	1.00000	0.20	0.00000
DS/KS16-17.1.0	Z16/Z17	1	0	0.00970	1.00000	1.00000	0.20	0.00194
DS/KS16-17.2.0	Z16/Z17	2	0	0.00087	1.00000	0.95536	0.20	0.00017
DS/KS16-17.3.0	Z16/Z17	3	0	0.00463	1.00000	0.91943	0.20	0.00085
DS/KS16-17.4.0	Z16/Z17	4	0	0.00192	1.00000	0.85604	0.20	0.00033

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KS16-17.5.0	Z16/Z17	5	0	0.00003	1.00000	0.86306	0.20	0.00001
DS/KS17-18.1.0	Z17/Z18	1	0	0.01244	1.00000	1.00000	0.20	0.00249
DS/KS17-18.2.0	Z17/Z18	2	0	0.00040	1.00000	1.00000	0.20	0.00008
DS/KS17-18.3.0	Z17/Z18	3	0	0.00534	1.00000	1.00000	0.20	0.00107
DS/KS17-18.4.0	Z17/Z18	4	0	0.00203	1.00000	1.00000	0.20	0.00041
DS/KS17-18.5.0	Z17/Z18	5	0	0.00279	1.00000	1.00000	0.20	0.00056
DS/KS18-19.1.0-1	Z18/Z19	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DS/KS18-19.2.0-1	Z18/Z19	2	0	0.00505	1.00000	1.00000	0.20	0.00101
DS/KS18-19.3.0-1	Z18/Z19	3	0	0.00415	1.00000	1.00000	0.20	0.00083
DS/KS18-19.4.0-1	Z18/Z19	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KS19-20.0.0-1	Z19/Z20	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DS/KS20-21.0.0-1	Z20/Z21	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DS/KS21-22.0.0-1	Z21/Z22	0	0	0.02740	1.00000	1.00000	0.20	0.00548
DS/KS1-3.1.0	Z1/Z2/Z3	1	0	0.00235	1.00000	1.00000	0.20	0.00047
DS/KS1-3.0.0	Z1/Z2/Z3	0	0	0.00697	1.00000	1.00000	0.20	0.00139
DS/KS2-4.1.0	Z2/Z3/Z4	1	0	0.00276	1.00000	1.00000	0.20	0.00055
DS/KS2-4.2.0	Z2/Z3/Z4	2	0	0.00563	1.00000	0.84443	0.20	0.00095
DS/KS2-4.0.0	Z2/Z3/Z4	0	0	0.00256	1.00000	0.24514	0.20	0.00013
DS/KS3-5.1.0-2	Z3/Z4/Z5	1	0	0.00479	1.00000	1.00000	0.20	0.00096
DS/KS4-6.1.0-1	Z4/Z5/Z6	1	0	0.00366	1.00000	0.98549	0.20	0.00072
DS/KS5-7.1.0	Z5/Z6/Z7	1	0	0.00491	1.00000	0.93788	0.20	0.00092
DS/KS5-7.2.0	Z5/Z6/Z7	2	0	0.00162	1.00000	0.83522	0.20	0.00027
DS/KS5-7.0.0	Z5/Z6/Z7	0	0	0.00450	1.00000	0.11577	0.20	0.00010
DS/KS6-8.1.0	Z6/Z7/Z8	1	0	0.00497	1.00000	0.98056	0.20	0.00097
DS/KS6-8.2.0	Z6/Z7/Z8	2	0	0.00146	1.00000	0.97066	0.20	0.00028
DS/KS6-8.0.0	Z6/Z7/Z8	0	0	0.00196	1.00000	0.96393	0.20	0.00038
DS/KS7-9.1.0-1	Z7/Z8/Z9	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DS/KS7-9.2.0	Z7/Z8/Z9	2	0	0.00196	1.00000	0.95225	0.20	0.00037
DS/KS7-9.3.0	Z7/Z8/Z9	3	0	0.00139	1.00000	0.94563	0.20	0.00026
DS/KS7-9.0.0	Z7/Z8/Z9	0	0	0.00123	1.00000	0.93926	0.20	0.00023
DS/KS8-10.1.0	Z8/Z9/Z10	1	0	0.00509	1.00000	0.98948	0.20	0.00101
DS/KS8-10.2.0	Z8/Z9/Z10	2	0	0.00150	1.00000	0.89407	0.20	0.00027
DS/KS8-10.3.0	Z8/Z9/Z10	3	0	0.00107	1.00000	0.88494	0.20	0.00019
DS/KS8-10.0.0	Z8/Z9/Z10	0	0	0.00094	1.00000	0.86590	0.20	0.00016
DS/KS9-11.1.0-1	Z9/Z10/Z11	1	0	0.00637	1.00000	1.00000	0.20	0.00127
DS/KS9-11.2.0	Z9/Z10/Z11	2	0	0.00187	1.00000	0.96502	0.20	0.00036
DS/KS9-11.3.0	Z9/Z10/Z11	3	0	0.00134	1.00000	0.95571	0.20	0.00026
DS/KS9-11.0.0	Z9/Z10/Z11	0	0	0.00118	1.00000	0.37603	0.20	0.00009
DS/KS10-12.1.0	Z10/Z11/Z12	1	0	0.00540	1.00000	0.99135	0.20	0.00107
DS/KS10-12.2.0	Z10/Z11/Z12	2	0	0.00159	1.00000	0.90924	0.20	0.00029
DS/KS10-12.3.0	Z10/Z11/Z12	3	0	0.00113	1.00000	0.87772	0.20	0.00020
DS/KS10-12.0.0	Z10/Z11/Z12	0	0	0.00100	1.00000	0.95091	0.20	0.00019
DS/KS11-13.1.0	Z11/Z12/Z13	1	0	0.00612	1.00000	0.98731	0.20	0.00121
DS/KS11-13.2.0	Z11/Z12/Z13	2	0	0.00180	1.00000	0.80125	0.20	0.00029
DS/KS11-13.3.0	Z11/Z12/Z13	3	0	0.00128	1.00000	0.65950	0.20	0.00017
DS/KS11-13.0.0	Z11/Z12/Z13	0	0	0.00113	1.00000	0.78345	0.20	0.00018
DS/KS12-14.1.0-1	Z12/Z13/Z14	1	0	0.00540	1.00000	1.00000	0.20	0.00108
DS/KS12-14.2.0	Z12/Z13/Z14	2	0	0.00023	1.00000	0.94866	0.20	0.00004
DS/KS12-14.3.0	Z12/Z13/Z14	3	0	0.00250	1.00000	0.92342	0.20	0.00046
DS/KS12-14.0.0	Z12/Z13/Z14	0	0	0.00100	1.00000	0.91967	0.20	0.00018
DS/KS13-15.1.0	Z13/Z14/Z15	1	0	0.00637	1.00000	0.78347	0.20	0.00100
DS/KS13-15.4.0-1	Z13/Z14/Z15	4	0	0.00208	1.00000	0.71260	0.20	0.00030
DS/KS14-16.1.0-1	Z14/Z15/Z16	1	0	0.00503	1.00000	1.00000	0.20	0.00101
DS/KS14-16.2.0-1	Z14/Z15/Z16	2	0	0.00028	1.00000	1.00000	0.20	0.00006
DS/KS14-16.3.0	Z14/Z15/Z16	3	0	0.00069	1.00000	1.00000	0.20	0.00014
DS/KS14-16.4.0	Z14/Z15/Z16	4	0	0.00258	1.00000	1.00000	0.20	0.00052
DS/KS14-16.5.0	Z14/Z15/Z16	5	0	0.00002	1.00000	1.00000	0.20	0.00000

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KS15-17.1.0-1	Z15/Z16/Z17	1	0	0.00672	1.00000	1.00000	0.20	0.00134
DS/KS15-17.2.0-1	Z15/Z16/Z17	2	0	0.00060	1.00000	0.98598	0.20	0.00012
DS/KS15-17.3.0-1	Z15/Z16/Z17	3	0	0.00142	1.00000	0.95363	0.20	0.00027
DS/KS15-17.4.0	Z15/Z16/Z17	4	0	0.00199	1.00000	0.92720	0.20	0.00037
DS/KS16-18.1.0	Z16/Z17/Z18	1	0	0.00413	1.00000	0.91615	0.20	0.00076
DS/KS16-18.2.0	Z16/Z17/Z18	2	0	0.00013	1.00000	0.12069	0.20	0.00000
DS/KS16-18.3.0	Z16/Z17/Z18	3	0	0.00038	1.00000	0.12069	0.20	0.00001
DS/KS17-19.1.0	Z17/Z18/Z19	1	0	0.00486	1.00000	0.97895	0.20	0.00095
DS/KS18-20.1.0-1	Z18/Z19/Z20	1	0	0.00486	1.00000	1.00000	0.20	0.00097
DS/KS18-20.2.0	Z18/Z19/Z20	2	0	0.00228	1.00000	0.93434	0.20	0.00043
DS/KS19-21.0.0-1	Z19/Z20/Z21	0	0	0.01136	1.00000	1.00000	0.20	0.00227
DS/KS20-22.0.0-1	Z20/Z21/Z22	0	0	0.01143	1.00000	1.00000	0.20	0.00229
DP/KS1.1.0	Z1	1	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KS1.0.0	Z1	0	0	0.01783	1.00000	1.00000	0.20	0.00357
DP/KS2.1.0	Z2	1	0	0.00667	1.00000	1.00000	0.20	0.00133
DP/KS2.0.0	Z2	0	0	0.00911	1.00000	1.00000	0.20	0.00182
DP/KS3.0.0-1	Z3	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DP/KS4.1.0	Z4	1	0	0.01093	1.00000	1.00000	0.20	0.00219
DP/KS4.0.0	Z4	0	0	0.00067	1.00000	1.00000	0.20	0.00013
DP/KS5.1.0-1	Z5	1	0	0.01079	1.00000	1.00000	0.20	0.00216
DP/KS5.2.0-1	Z5	2	0	0.00229	1.00000	1.00000	0.20	0.00046
DP/KS5.0.0	Z5	0	0	0.00315	1.00000	1.00000	0.20	0.00063
DP/KS6.0.0	Z6	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DP/KS7.0.0	Z7	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DP/KS8.1.0-1	Z8	1	0	0.00669	1.00000	1.00000	0.20	0.00134
DP/KS8.2.0	Z8	2	0	0.00071	1.00000	1.00000	0.20	0.00014
DP/KS8.0.0	Z8	0	0	0.00027	1.00000	1.00000	0.20	0.00005
DP/KS9.1.0-1	Z9	1	0	0.00939	1.00000	1.00000	0.20	0.00188
DP/KS9.2.0	Z9	2	0	0.00167	1.00000	1.00000	0.20	0.00033
DP/KS9.0.0	Z9	0	0	0.00016	1.00000	1.00000	0.20	0.00003
DP/KS10.1.0-1	Z10	1	0	0.00968	1.00000	1.00000	0.20	0.00194
DP/KS10.2.0	Z10	2	0	0.00175	1.00000	1.00000	0.20	0.00035
DP/KS10.0.0	Z10	0	0	0.00018	1.00000	1.00000	0.20	0.00004
DP/KS11.1.0-1	Z11	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DP/KS11.2.0	Z11	2	0	0.00192	1.00000	1.00000	0.20	0.00038
DP/KS11.0.0	Z11	0	0	0.00123	1.00000	1.00000	0.20	0.00025
DP/KS12.1.0-1	Z12	1	0	0.01275	1.00000	1.00000	0.20	0.00255
DP/KS12.2.0	Z12	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DP/KS12.0.0	Z12	0	0	0.00036	1.00000	1.00000	0.20	0.00007
DP/KS13.1.0-1	Z13	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DP/KS13.2.0	Z13	2	0	0.00277	1.00000	1.00000	0.20	0.00055
DP/KS13.0.0	Z13	0	0	0.00038	1.00000	1.00000	0.20	0.00008
DP/KS14.1.0-1	Z14	1	0	0.00990	1.00000	1.00000	0.20	0.00198
DP/KS14.0.0	Z14	0	0	0.00171	1.00000	1.00000	0.20	0.00034
DP/KS15.1.0-1	Z15	1	0	0.01019	1.00000	1.00000	0.20	0.00204
DP/KS15.0.0	Z15	0	0	0.00102	1.00000	1.00000	0.20	0.00020
DP/KS16.1.0	Z16	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DP/KS16.2.0	Z16	2	0	0.00102	1.00000	1.00000	0.20	0.00020
DP/KS16.3.0	Z16	3	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KS17.1.0	Z17	1	0	0.01229	1.00000	1.00000	0.20	0.00246
DP/KS17.2.0	Z17	2	0	0.00337	1.00000	1.00000	0.20	0.00067
DP/KS17.3.0	Z17	3	0	0.00057	1.00000	1.00000	0.20	0.00011
DP/KS18.1.0	Z18	1	0	0.01174	1.00000	1.00000	0.20	0.00235
DP/KS18.2.0	Z18	2	0	0.00285	1.00000	1.00000	0.20	0.00057
DP/KS18.3.0	Z18	3	0	0.00119	1.00000	1.00000	0.20	0.00024
DP/KS18.4.0	Z18	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KS19.0.0-1	Z19	0	0	0.01160	1.00000	1.00000	0.20	0.00232

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DP/KS20.0.0-1	Z20	0	0	0.00766	1.00000	1.00000	0.20	0.00153
DP/KS21.0.0-1	Z21	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DP/KS22.0.0	Z22	0	0	0.04051	1.00000	1.00000	0.20	0.00810
DP/KS1-2.1.0	Z1/Z2	1	0	0.00657	1.00000	1.00000	0.20	0.00131
DP/KS1-2.0.0	Z1/Z2	0	0	0.01888	1.00000	1.00000	0.20	0.00378
DP/KS2-3.1.0	Z2/Z3	1	0	0.00517	1.00000	1.00000	0.20	0.00103
DP/KS2-3.0.0	Z2/Z3	0	0	0.01472	1.00000	1.00000	0.20	0.00294
DP/KS3-4.1.0-1	Z3/Z4	1	0	0.01408	1.00000	1.00000	0.20	0.00282
DP/KS3-4.0.0-1	Z3/Z4	0	0	0.00350	1.00000	1.00000	0.20	0.00070
DP/KS4-5.1.0-1	Z4/Z5	1	0	0.00946	1.00000	1.00000	0.20	0.00189
DP/KS4-5.2.0	Z4/Z5	2	0	0.00316	1.00000	1.00000	0.20	0.00063
DP/KS4-5.3.0	Z4/Z5	3	0	0.00361	1.00000	1.00000	0.20	0.00072
DP/KS4-5.0.0	Z4/Z5	0	0	0.00415	1.00000	1.00000	0.20	0.00083
DP/KS5-6.1.0	Z5/Z6	1	0	0.00934	1.00000	1.00000	0.20	0.00187
DP/KS5-6.2.0	Z5/Z6	2	0	0.00312	1.00000	1.00000	0.20	0.00062
DP/KS5-6.0.0	Z5/Z6	0	0	0.00765	1.00000	1.00000	0.20	0.00153
DP/KS6-7.0.0	Z6/Z7	0	0	0.01758	1.00000	1.00000	0.20	0.00352
DP/KS7-8.1.0	Z7/Z8	1	0	0.00941	1.00000	1.00000	0.20	0.00188
DP/KS7-8.2.0	Z7/Z8	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DP/KS7-8.0.0	Z7/Z8	0	0	0.00289	1.00000	1.00000	0.20	0.00058
DP/KS8-9.1.0-1	Z8/Z9	1	0	0.00929	1.00000	1.00000	0.20	0.00186
DP/KS8-9.2.0	Z8/Z9	2	0	0.00263	1.00000	1.00000	0.20	0.00053
DP/KS8-9.3.0	Z8/Z9	3	0	0.00167	1.00000	1.00000	0.20	0.00033
DP/KS8-9.0.0	Z8/Z9	0	0	0.00117	1.00000	1.00000	0.20	0.00023
DP/KS9-10.1.0-1	Z9/Z10	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DP/KS9-10.2.0	Z9/Z10	2	0	0.00514	1.00000	1.00000	0.20	0.00103
DP/KS9-10.0.0	Z9/Z10	0	0	0.00148	1.00000	1.00000	0.20	0.00030
DP/KS10-11.1.0-1	Z10/Z11	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DP/KS10-11.2.0	Z10/Z11	2	0	0.00361	1.00000	1.00000	0.20	0.00072
DP/KS10-11.3.0	Z10/Z11	3	0	0.00237	1.00000	1.00000	0.20	0.00047
DP/KS10-11.0.0	Z10/Z11	0	0	0.00179	1.00000	1.00000	0.20	0.00036
DP/KS11-12.1.0-1	Z11/Z12	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DP/KS11-12.2.0	Z11/Z12	2	0	0.00407	1.00000	1.00000	0.20	0.00081
DP/KS11-12.3.0	Z11/Z12	3	0	0.00269	1.00000	1.00000	0.20	0.00054
DP/KS11-12.0.0	Z11/Z12	0	0	0.00207	1.00000	0.98855	0.20	0.00041
DP/KS12-13.1.0-1	Z12/Z13	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DP/KS12-13.2.0	Z12/Z13	2	0	0.00676	1.00000	1.00000	0.20	0.00135
DP/KS12-13.0.0	Z12/Z13	0	0	0.00207	1.00000	1.00000	0.20	0.00041
DP/KS13-14.1.0-1	Z13/Z14	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DP/KS13-14.2.0	Z13/Z14	2	0	0.00052	1.00000	1.00000	0.20	0.00010
DP/KS13-14.3.0	Z13/Z14	3	0	0.00545	1.00000	1.00000	0.20	0.00109
DP/KS13-14.0.0	Z13/Z14	0	0	0.00179	1.00000	1.00000	0.20	0.00036
DP/KS14-15.1.0-1	Z14/Z15	1	0	0.01142	1.00000	1.00000	0.20	0.00228
DP/KS14-15.2.0	Z14/Z15	2	0	0.00146	1.00000	0.98721	0.20	0.00029
DP/KS14-15.0.0	Z14/Z15	0	0	0.00470	1.00000	1.00000	0.20	0.00094
DP/KS15-16.1.0	Z15/Z16	1	0	0.00917	1.00000	1.00000	0.20	0.00183
DP/KS15-16.2.0	Z15/Z16	2	0	0.00174	1.00000	1.00000	0.20	0.00035
DP/KS15-16.3.0	Z15/Z16	3	0	0.00382	1.00000	1.00000	0.20	0.00076
DP/KS15-16.4.0	Z15/Z16	4	0	0.00002	1.00000	1.00000	0.20	0.00000
DP/KS16-17.1.0	Z16/Z17	1	0	0.00970	1.00000	1.00000	0.20	0.00194
DP/KS16-17.2.0	Z16/Z17	2	0	0.00087	1.00000	0.99130	0.20	0.00017
DP/KS16-17.3.0	Z16/Z17	3	0	0.00463	1.00000	0.95655	0.20	0.00089
DP/KS16-17.4.0	Z16/Z17	4	0	0.00192	1.00000	0.90720	0.20	0.00035
DP/KS16-17.5.0	Z16/Z17	5	0	0.00003	1.00000	0.91794	0.20	0.00001
DP/KS17-18.1.0	Z17/Z18	1	0	0.01244	1.00000	1.00000	0.20	0.00249
DP/KS17-18.2.0	Z17/Z18	2	0	0.00040	1.00000	1.00000	0.20	0.00008
DP/KS17-18.3.0	Z17/Z18	3	0	0.00534	1.00000	1.00000	0.20	0.00107

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DP/KS17-18.4.0	Z17/Z18	4	0	0.00203	1.00000	1.00000	0.20	0.00041
DP/KS17-18.5.0	Z17/Z18	5	0	0.00279	1.00000	1.00000	0.20	0.00056
DP/KS18-19.1.0-1	Z18/Z19	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DP/KS18-19.2.0-1	Z18/Z19	2	0	0.00505	1.00000	1.00000	0.20	0.00101
DP/KS18-19.3.0-1	Z18/Z19	3	0	0.00415	1.00000	1.00000	0.20	0.00083
DP/KS18-19.4.0-1	Z18/Z19	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KS19-20.0.0-1	Z19/Z20	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DP/KS20-21.0.0-1	Z20/Z21	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DP/KS21-22.0.0-1	Z21/Z22	0	0	0.02740	1.00000	1.00000	0.20	0.00548
DP/KS1-3.1.0	Z1/Z2/Z3	1	0	0.00235	1.00000	1.00000	0.20	0.00047
DP/KS1-3.0.0	Z1/Z2/Z3	0	0	0.00697	1.00000	1.00000	0.20	0.00139
DP/KS2-4.1.0	Z2/Z3/Z4	1	0	0.00276	1.00000	1.00000	0.20	0.00055
DP/KS2-4.2.0	Z2/Z3/Z4	2	0	0.00563	1.00000	0.96187	0.20	0.00108
DP/KS2-4.0.0	Z2/Z3/Z4	0	0	0.00256	1.00000	0.92716	0.20	0.00047
DP/KS3-5.1.0-2	Z3/Z4/Z5	1	0	0.00479	1.00000	1.00000	0.20	0.00096
DP/KS3-5.2.0	Z3/Z4/Z5	2	0	0.00158	1.00000	0.96438	0.20	0.00030
DP/KS3-5.3.0	Z3/Z4/Z5	3	0	0.00187	1.00000	0.86516	0.20	0.00032
DP/KS3-5.0.0	Z3/Z4/Z5	0	0	0.00252	1.00000	0.19754	0.20	0.00010
DP/KS4-6.1.0	Z4/Z5/Z6	1	0	0.00366	1.00000	1.00000	0.20	0.00073
DP/KS4-6.2.0-1	Z4/Z5/Z6	2	0	0.00121	1.00000	0.93639	0.20	0.00023
DP/KS4-6.3.0	Z4/Z5/Z6	3	0	0.00143	1.00000	0.84704	0.20	0.00024
DP/KS4-6.0.0	Z4/Z5/Z6	0	0	0.00193	1.00000	0.29673	0.20	0.00011
DP/KS5-7.1.0	Z5/Z6/Z7	1	0	0.00491	1.00000	0.99858	0.20	0.00098
DP/KS5-7.2.0	Z5/Z6/Z7	2	0	0.00162	1.00000	0.91978	0.20	0.00030
DP/KS5-7.0.0	Z5/Z6/Z7	0	0	0.00450	1.00000	0.86766	0.20	0.00078
DP/KS6-8.1.0	Z6/Z7/Z8	1	0	0.00497	1.00000	1.00000	0.20	0.00099
DP/KS6-8.2.0	Z6/Z7/Z8	2	0	0.00146	1.00000	0.99911	0.20	0.00029
DP/KS6-8.0.0	Z6/Z7/Z8	0	0	0.00196	1.00000	0.99269	0.20	0.00039
DP/KS7-9.1.0-1	Z7/Z8/Z9	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DP/KS7-9.2.0	Z7/Z8/Z9	2	0	0.00196	1.00000	0.97779	0.20	0.00038
DP/KS7-9.3.0	Z7/Z8/Z9	3	0	0.00139	1.00000	0.97137	0.20	0.00027
DP/KS7-9.0.0	Z7/Z8/Z9	0	0	0.00123	1.00000	0.96603	0.20	0.00024
DP/KS8-10.1.0-1	Z8/Z9/Z10	1	0	0.00509	1.00000	1.00000	0.20	0.00102
DP/KS8-10.2.0	Z8/Z9/Z10	2	0	0.00150	1.00000	0.95085	0.20	0.00029
DP/KS8-10.3.0	Z8/Z9/Z10	3	0	0.00107	1.00000	0.93698	0.20	0.00020
DP/KS8-10.0.0	Z8/Z9/Z10	0	0	0.00094	1.00000	0.92737	0.20	0.00017
DP/KS9-11.1.0-1	Z9/Z10/Z11	1	0	0.00637	1.00000	1.00000	0.20	0.00127
DP/KS9-11.2.0	Z9/Z10/Z11	2	0	0.00187	1.00000	0.98375	0.20	0.00037
DP/KS9-11.3.0	Z9/Z10/Z11	3	0	0.00134	1.00000	0.97445	0.20	0.00026
DP/KS9-11.0.0	Z9/Z10/Z11	0	0	0.00118	1.00000	0.97172	0.20	0.00023
DP/KS10-12.1.0-1	Z10/Z11/Z12	1	0	0.00540	1.00000	1.00000	0.20	0.00108
DP/KS10-12.2.0-1	Z10/Z11/Z12	2	0	0.00159	1.00000	0.54086	0.20	0.00017
DP/KS10-12.3.0-1	Z10/Z11/Z12	3	0	0.00113	1.00000	0.49265	0.20	0.00011
DP/KS10-12.0.0	Z10/Z11/Z12	0	0	0.00100	1.00000	0.92743	0.20	0.00019
DP/KS11-13.1.0-1	Z11/Z12/Z13	1	0	0.00612	1.00000	0.90179	0.20	0.00110
DP/KS11-13.2.0-1	Z11/Z12/Z13	2	0	0.00180	1.00000	0.44812	0.20	0.00016
DP/KS11-13.3.0-1	Z11/Z12/Z13	3	0	0.00128	1.00000	0.38708	0.20	0.00010
DP/KS11-13.0.0-1	Z11/Z12/Z13	0	0	0.00113	1.00000	0.79871	0.20	0.00018
DP/KS12-14.1.0-1	Z12/Z13/Z14	1	0	0.00540	1.00000	0.95329	0.20	0.00103
DP/KS12-14.2.0-1	Z12/Z13/Z14	2	0	0.00023	1.00000	0.53699	0.20	0.00002
DP/KS12-14.3.0-1	Z12/Z13/Z14	3	0	0.00250	1.00000	0.53699	0.20	0.00027
DP/KS12-14.0.0	Z12/Z13/Z14	0	0	0.00100	1.00000	0.93487	0.20	0.00019
DP/KS13-15.1.0	Z13/Z14/Z15	1	0	0.00637	1.00000	0.87075	0.20	0.00111
DP/KS13-15.2.0	Z13/Z14/Z15	2	0	0.00027	1.00000	0.22360	0.20	0.00001
DP/KS13-15.4.0-1	Z13/Z14/Z15	4	0	0.00208	1.00000	0.35309	0.20	0.00015
DP/KS13-15.0.0-1	Z13/Z14/Z15	0	0	0.00118	1.00000	0.64724	0.20	0.00015
DP/KS14-16.1.0-1	Z14/Z15/Z16	1	0	0.00503	1.00000	1.00000	0.20	0.00101

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DP/KS14-16.2.0-1	Z14/Z15/Z16	2	0	0.00028	1.00000	1.00000	0.20	0.00006
DP/KS14-16.3.0	Z14/Z15/Z16	3	0	0.00069	1.00000	1.00000	0.20	0.00014
DP/KS14-16.4.0	Z14/Z15/Z16	4	0	0.00258	1.00000	1.00000	0.20	0.00052
DP/KS14-16.5.0	Z14/Z15/Z16	5	0	0.00002	1.00000	1.00000	0.20	0.00000
DP/KS15-17.1.0	Z15/Z16/Z17	1	0	0.00672	1.00000	1.00000	0.20	0.00134
DP/KS15-17.2.0	Z15/Z16/Z17	2	0	0.00060	1.00000	0.98642	0.20	0.00012
DP/KS15-17.3.0-1	Z15/Z16/Z17	3	0	0.00142	1.00000	0.92989	0.20	0.00026
DP/KS15-17.4.0	Z15/Z16/Z17	4	0	0.00199	1.00000	0.85238	0.20	0.00034
DP/KS15-17.5.0	Z15/Z16/Z17	5	0	0.00177	1.00000	0.86551	0.20	0.00031
DP/KS15-17.6.0	Z15/Z16/Z17	6	0	0.00004	1.00000	0.84001	0.20	0.00001
DP/KS16-18.1.0	Z16/Z17/Z18	1	0	0.00413	1.00000	0.97649	0.20	0.00081
DP/KS16-18.2.0	Z16/Z17/Z18	2	0	0.00013	1.00000	0.28280	0.20	0.00001
DP/KS16-18.3.0	Z16/Z17/Z18	3	0	0.00038	1.00000	0.28280	0.20	0.00002
DP/KS16-18.4.0	Z16/Z17/Z18	4	0	0.00143	1.00000	0.00586	0.20	0.00000
DP/KS17-19.1.0-1	Z17/Z18/Z19	1	0	0.00486	1.00000	1.00000	0.20	0.00097
DP/KS17-19.2.0	Z17/Z18/Z19	2	0	0.00016	1.00000	0.94100	0.20	0.00003
DP/KS17-19.3.0	Z17/Z18/Z19	3	0	0.00212	1.00000	0.94100	0.20	0.00040
DP/KS18-20.1.0-1	Z18/Z19/Z20	1	0	0.00486	1.00000	1.00000	0.20	0.00097
DP/KS18-20.2.0-1	Z18/Z19/Z20	2	0	0.00228	1.00000	1.00000	0.20	0.00046
DP/KS18-20.3.0	Z18/Z19/Z20	3	0	0.00221	1.00000	0.76506	0.20	0.00034
DP/KS19-21.0.0-1	Z19/Z20/Z21	0	0	0.01136	1.00000	1.00000	0.20	0.00227
DP/KS20-22.0.0-1	Z20/Z21/Z22	0	0	0.01143	1.00000	1.00000	0.20	0.00229
DL/KS1.1.0	Z1	1	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KS1.0.0	Z1	0	0	0.01783	1.00000	1.00000	0.10	0.00178
DL/KS2.1.0	Z2	1	0	0.00667	1.00000	1.00000	0.10	0.00067
DL/KS2.0.0	Z2	0	0	0.00911	1.00000	1.00000	0.10	0.00091
DL/KS3.0.0-1	Z3	0	0	0.01121	1.00000	1.00000	0.10	0.00112
DL/KS4.1.0	Z4	1	0	0.01093	1.00000	1.00000	0.10	0.00109
DL/KS4.0.0	Z4	0	0	0.00067	1.00000	1.00000	0.10	0.00007
DL/KS5.1.0-1	Z5	1	0	0.01079	1.00000	1.00000	0.10	0.00108
DL/KS5.2.0-1	Z5	2	0	0.00229	1.00000	1.00000	0.10	0.00023
DL/KS5.0.0	Z5	0	0	0.00315	1.00000	1.00000	0.10	0.00032
DL/KS6.0.0	Z6	0	0	0.01121	1.00000	1.00000	0.10	0.00112
DL/KS7.0.0	Z7	0	0	0.01160	1.00000	1.00000	0.10	0.00116
DL/KS8.1.0-1	Z8	1	0	0.00669	1.00000	1.00000	0.10	0.00067
DL/KS8.2.0	Z8	2	0	0.00071	1.00000	1.00000	0.10	0.00007
DL/KS8.0.0	Z8	0	0	0.00027	1.00000	1.00000	0.10	0.00003
DL/KS9.1.0-1	Z9	1	0	0.00939	1.00000	1.00000	0.10	0.00094
DL/KS9.2.0	Z9	2	0	0.00167	1.00000	1.00000	0.10	0.00017
DL/KS9.0.0	Z9	0	0	0.00016	1.00000	1.00000	0.10	0.00002
DL/KS10.1.0-1	Z10	1	0	0.00968	1.00000	1.00000	0.10	0.00097
DL/KS10.2.0	Z10	2	0	0.00175	1.00000	1.00000	0.10	0.00017
DL/KS10.0.0	Z10	0	0	0.00018	1.00000	1.00000	0.10	0.00002
DL/KS11.1.0-1	Z11	1	0	0.01308	1.00000	1.00000	0.10	0.00131
DL/KS11.2.0	Z11	2	0	0.00192	1.00000	1.00000	0.10	0.00019
DL/KS11.0.0	Z11	0	0	0.00123	1.00000	1.00000	0.10	0.00012
DL/KS12.1.0-1	Z12	1	0	0.01275	1.00000	1.00000	0.10	0.00128
DL/KS12.2.0	Z12	2	0	0.00267	1.00000	1.00000	0.10	0.00027
DL/KS12.0.0	Z12	0	0	0.00036	1.00000	1.00000	0.10	0.00004
DL/KS13.1.0-1	Z13	1	0	0.01308	1.00000	1.00000	0.10	0.00131
DL/KS13.2.0	Z13	2	0	0.00277	1.00000	1.00000	0.10	0.00028
DL/KS13.0.0	Z13	0	0	0.00038	1.00000	1.00000	0.10	0.00004
DL/KS14.1.0	Z14	1	0	0.00990	1.00000	1.00000	0.10	0.00099
DL/KS14.0.0	Z14	0	0	0.00171	1.00000	1.00000	0.10	0.00017
DL/KS15.1.0	Z15	1	0	0.01019	1.00000	1.00000	0.10	0.00102
DL/KS15.0.0	Z15	0	0	0.00102	1.00000	1.00000	0.10	0.00010
DL/KS16.1.0	Z16	1	0	0.00664	1.00000	1.00000	0.10	0.00066

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DL/KS16.2.0	Z16	2	0	0.00102	1.00000	1.00000	0.10	0.00010
DL/KS16.3.0	Z16	3	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KS17.1.0	Z17	1	0	0.01229	1.00000	1.00000	0.10	0.00123
DL/KS17.2.0	Z17	2	0	0.00337	1.00000	1.00000	0.10	0.00034
DL/KS17.3.0	Z17	3	0	0.00057	1.00000	1.00000	0.10	0.00006
DL/KS18.1.0	Z18	1	0	0.01174	1.00000	1.00000	0.10	0.00117
DL/KS18.2.0	Z18	2	0	0.00285	1.00000	1.00000	0.10	0.00029
DL/KS18.3.0	Z18	3	0	0.00119	1.00000	1.00000	0.10	0.00012
DL/KS18.4.0	Z18	4	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KS19.0.0-1	Z19	0	0	0.01160	1.00000	1.00000	0.10	0.00116
DL/KS20.0.0-1	Z20	0	0	0.00766	1.00000	1.00000	0.10	0.00077
DL/KS21.0.0-1	Z21	0	0	0.01160	1.00000	1.00000	0.10	0.00116
DL/KS22.0.0	Z22	0	0	0.04051	1.00000	1.00000	0.10	0.00405
DL/KS1-2.1.0	Z1/Z2	1	0	0.00657	1.00000	1.00000	0.10	0.00066
DL/KS1-2.0.0	Z1/Z2	0	0	0.01888	1.00000	1.00000	0.10	0.00189
DL/KS2-3.1.0-1	Z2/Z3	1	0	0.00517	1.00000	1.00000	0.10	0.00052
DL/KS2-3.0.0-1	Z2/Z3	0	0	0.01472	1.00000	1.00000	0.10	0.00147
DL/KS3-4.1.0-1	Z3/Z4	1	0	0.01408	1.00000	1.00000	0.10	0.00141
DL/KS3-4.0.0-1	Z3/Z4	0	0	0.00350	1.00000	1.00000	0.10	0.00035
DL/KS4-5.1.0-1	Z4/Z5	1	0	0.00946	1.00000	1.00000	0.10	0.00095
DL/KS4-5.2.0-1	Z4/Z5	2	0	0.00316	1.00000	1.00000	0.10	0.00032
DL/KS4-5.3.0	Z4/Z5	3	0	0.00361	1.00000	1.00000	0.10	0.00036
DL/KS4-5.0.0	Z4/Z5	0	0	0.00415	1.00000	1.00000	0.10	0.00042
DL/KS5-6.1.0	Z5/Z6	1	0	0.00934	1.00000	1.00000	0.10	0.00093
DL/KS5-6.2.0	Z5/Z6	2	0	0.00312	1.00000	1.00000	0.10	0.00031
DL/KS5-6.0.0	Z5/Z6	0	0	0.00765	1.00000	1.00000	0.10	0.00076
DL/KS6-7.0.0	Z6/Z7	0	0	0.01758	1.00000	1.00000	0.10	0.00176
DL/KS7-8.1.0	Z7/Z8	1	0	0.00941	1.00000	1.00000	0.10	0.00094
DL/KS7-8.2.0	Z7/Z8	2	0	0.00267	1.00000	1.00000	0.10	0.00027
DL/KS7-8.0.0	Z7/Z8	0	0	0.00289	1.00000	1.00000	0.10	0.00029
DL/KS8-9.1.0-1	Z8/Z9	1	0	0.00929	1.00000	1.00000	0.10	0.00093
DL/KS8-9.2.0	Z8/Z9	2	0	0.00263	1.00000	1.00000	0.10	0.00026
DL/KS8-9.3.0	Z8/Z9	3	0	0.00167	1.00000	1.00000	0.10	0.00017
DL/KS8-9.0.0	Z8/Z9	0	0	0.00117	1.00000	1.00000	0.10	0.00012
DL/KS9-10.1.0-1	Z9/Z10	1	0	0.01096	1.00000	1.00000	0.10	0.00110
DL/KS9-10.2.0	Z9/Z10	2	0	0.00514	1.00000	1.00000	0.10	0.00051
DL/KS9-10.0.0	Z9/Z10	0	0	0.00148	1.00000	1.00000	0.10	0.00015
DL/KS10-11.1.0-1	Z10/Z11	1	0	0.01262	1.00000	1.00000	0.10	0.00126
DL/KS10-11.2.0	Z10/Z11	2	0	0.00361	1.00000	1.00000	0.10	0.00036
DL/KS10-11.3.0	Z10/Z11	3	0	0.00237	1.00000	1.00000	0.10	0.00024
DL/KS10-11.0.0	Z10/Z11	0	0	0.00179	1.00000	1.00000	0.10	0.00018
DL/KS11-12.1.0-1	Z11/Z12	1	0	0.01418	1.00000	1.00000	0.10	0.00142
DL/KS11-12.2.0	Z11/Z12	2	0	0.00407	1.00000	1.00000	0.10	0.00041
DL/KS11-12.3.0	Z11/Z12	3	0	0.00269	1.00000	1.00000	0.10	0.00027
DL/KS11-12.0.0	Z11/Z12	0	0	0.00207	1.00000	1.00000	0.10	0.00021
DL/KS12-13.1.0-1	Z12/Z13	1	0	0.01418	1.00000	1.00000	0.10	0.00142
DL/KS12-13.2.0-1	Z12/Z13	2	0	0.00676	1.00000	1.00000	0.10	0.00068
DL/KS12-13.0.0-1	Z12/Z13	0	0	0.00207	1.00000	1.00000	0.10	0.00021
DL/KS13-14.1.0-1	Z13/Z14	1	0	0.01262	1.00000	1.00000	0.10	0.00126
DL/KS13-14.2.0	Z13/Z14	2	0	0.00052	1.00000	1.00000	0.10	0.00005
DL/KS13-14.3.0	Z13/Z14	3	0	0.00545	1.00000	1.00000	0.10	0.00055
DL/KS13-14.0.0	Z13/Z14	0	0	0.00179	1.00000	1.00000	0.10	0.00018
DL/KS14-15.1.0-1	Z14/Z15	1	0	0.01142	1.00000	1.00000	0.10	0.00114
DL/KS14-15.2.0	Z14/Z15	2	0	0.00146	1.00000	1.00000	0.10	0.00015
DL/KS14-15.0.0	Z14/Z15	0	0	0.00470	1.00000	1.00000	0.10	0.00047
DL/KS15-16.1.0	Z15/Z16	1	0	0.00917	1.00000	1.00000	0.10	0.00092
DL/KS15-16.2.0	Z15/Z16	2	0	0.00174	1.00000	1.00000	0.10	0.00017

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DL/KS15-16.3.0	Z15/Z16	3	0	0.00382	1.00000	1.00000	0.10	0.00038
DL/KS15-16.4.0	Z15/Z16	4	0	0.00002	1.00000	1.00000	0.10	0.00000
DL/KS16-17.1.0	Z16/Z17	1	0	0.00970	1.00000	1.00000	0.10	0.00097
DL/KS16-17.2.0	Z16/Z17	2	0	0.00087	1.00000	1.00000	0.10	0.00009
DL/KS16-17.3.0	Z16/Z17	3	0	0.00463	1.00000	0.98286	0.10	0.00046
DL/KS16-17.4.0	Z16/Z17	4	0	0.00192	1.00000	0.94696	0.10	0.00018
DL/KS16-17.5.0	Z16/Z17	5	0	0.00003	1.00000	0.96927	0.10	0.00000
DL/KS17-18.1.0	Z17/Z18	1	0	0.01244	1.00000	1.00000	0.10	0.00124
DL/KS17-18.2.0	Z17/Z18	2	0	0.00040	1.00000	1.00000	0.10	0.00004
DL/KS17-18.3.0	Z17/Z18	3	0	0.00534	1.00000	1.00000	0.10	0.00053
DL/KS17-18.4.0	Z17/Z18	4	0	0.00203	1.00000	1.00000	0.10	0.00020
DL/KS17-18.5.0	Z17/Z18	5	0	0.00279	1.00000	1.00000	0.10	0.00028
DL/KS18-19.1.0-1	Z18/Z19	1	0	0.01096	1.00000	1.00000	0.10	0.00110
DL/KS18-19.2.0-1	Z18/Z19	2	0	0.00505	1.00000	1.00000	0.10	0.00051
DL/KS18-19.3.0-1	Z18/Z19	3	0	0.00415	1.00000	1.00000	0.10	0.00041
DL/KS18-19.4.0-1	Z18/Z19	4	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KS19-20.0.0-1	Z19/Z20	0	0	0.01497	1.00000	1.00000	0.10	0.00150
DL/KS20-21.0.0-1	Z20/Z21	0	0	0.01497	1.00000	1.00000	0.10	0.00150
DL/KS21-22.0.0-1	Z21/Z22	0	0	0.02740	1.00000	1.00000	0.10	0.00274
DL/KS1-3.1.0	Z1/Z2/Z3	1	0	0.00235	1.00000	1.00000	0.10	0.00023
DL/KS1-3.0.0	Z1/Z2/Z3	0	0	0.00697	1.00000	1.00000	0.10	0.00070
DL/KS2-4.1.0-1	Z2/Z3/Z4	1	0	0.00276	1.00000	1.00000	0.10	0.00028
DL/KS2-4.2.0-1	Z2/Z3/Z4	2	0	0.00563	1.00000	1.00000	0.10	0.00056
DL/KS2-4.0.0	Z2/Z3/Z4	0	0	0.00256	1.00000	0.96273	0.10	0.00025
DL/KS3-5.1.0-2	Z3/Z4/Z5	1	0	0.00479	1.00000	1.00000	0.10	0.00048
DL/KS3-5.2.0-2	Z3/Z4/Z5	2	0	0.00158	1.00000	0.78321	0.10	0.00012
DL/KS3-5.3.0-2	Z3/Z4/Z5	3	0	0.00187	1.00000	0.78321	0.10	0.00015
DL/KS3-5.0.0	Z3/Z4/Z5	0	0	0.00252	1.00000	0.58010	0.10	0.00015
DL/KS4-6.1.0-1	Z4/Z5/Z6	1	0	0.00366	1.00000	0.87691	0.10	0.00032
DL/KS5-7.1.0-2	Z5/Z6/Z7	1	0	0.00491	1.00000	0.84510	0.10	0.00042
DL/KS5-7.2.0-2	Z5/Z6/Z7	2	0	0.00162	1.00000	0.60240	0.10	0.00010
DL/KS5-7.0.0-2	Z5/Z6/Z7	0	0	0.00450	1.00000	0.60240	0.10	0.00027
DL/KS6-8.1.0	Z6/Z7/Z8	1	0	0.00497	1.00000	1.00000	0.10	0.00050
DL/KS6-8.2.0	Z6/Z7/Z8	2	0	0.00146	1.00000	1.00000	0.10	0.00015
DL/KS6-8.0.0	Z6/Z7/Z8	0	0	0.00196	1.00000	1.00000	0.10	0.00020
DL/KS7-9.1.0-1	Z7/Z8/Z9	1	0	0.00664	1.00000	1.00000	0.10	0.00066
DL/KS7-9.2.0-1	Z7/Z8/Z9	2	0	0.00196	1.00000	0.62789	0.10	0.00012
DL/KS7-9.3.0-1	Z7/Z8/Z9	3	0	0.00139	1.00000	0.59506	0.10	0.00008
DL/KS7-9.0.0-1	Z7/Z8/Z9	0	0	0.00123	1.00000	0.83151	0.10	0.00010
DL/KS8-10.1.0-1	Z8/Z9/Z10	1	0	0.00509	1.00000	0.99911	0.10	0.00051
DL/KS8-10.2.0-1	Z8/Z9/Z10	2	0	0.00150	1.00000	0.47095	0.10	0.00007
DL/KS8-10.3.0-1	Z8/Z9/Z10	3	0	0.00107	1.00000	0.45078	0.10	0.00005
DL/KS8-10.0.0-1	Z8/Z9/Z10	0	0	0.00094	1.00000	0.90348	0.10	0.00009
DL/KS9-11.1.0-1	Z9/Z10/Z11	1	0	0.00637	1.00000	0.21459	0.10	0.00014
DL/KS13-15.1.0	Z13/Z14/Z15	1	0	0.00637	1.00000	0.96890	0.10	0.00062
DL/KS13-15.2.0	Z13/Z14/Z15	2	0	0.00027	1.00000	0.34112	0.10	0.00001
DL/KS13-15.3.0	Z13/Z14/Z15	3	0	0.00087	1.00000	0.12610	0.10	0.00001
DL/KS14-16.1.0-1	Z14/Z15/Z16	1	0	0.00503	1.00000	1.00000	0.10	0.00050
DL/KS14-16.2.0-1	Z14/Z15/Z16	2	0	0.00028	1.00000	1.00000	0.10	0.00003
DL/KS14-16.3.0	Z14/Z15/Z16	3	0	0.00069	1.00000	1.00000	0.10	0.00007
DL/KS14-16.4.0	Z14/Z15/Z16	4	0	0.00258	1.00000	1.00000	0.10	0.00026
DL/KS14-16.5.0	Z14/Z15/Z16	5	0	0.00002	1.00000	1.00000	0.10	0.00000
DL/KS15-17.1.0	Z15/Z16/Z17	1	0	0.00672	1.00000	1.00000	0.10	0.00067
DL/KS15-17.2.0	Z15/Z16/Z17	2	0	0.00060	1.00000	0.72593	0.10	0.00004
DL/KS15-17.3.0-1	Z15/Z16/Z17	3	0	0.00142	1.00000	0.54258	0.10	0.00008
DL/KS15-17.4.0	Z15/Z16/Z17	4	0	0.00199	1.00000	0.43776	0.10	0.00009
DL/KS15-17.5.0	Z15/Z16/Z17	5	0	0.00177	1.00000	0.65078	0.10	0.00011

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DL/KS15-17.6.0	Z15/Z16/Z17	6	0	0.00004	1.00000	0.79692	0.10	0.00000
DL/KS16-18.1.0	Z16/Z17/Z18	1	0	0.00413	1.00000	0.89310	0.10	0.00037
DL/KS16-18.2.0	Z16/Z17/Z18	2	0	0.00013	1.00000	0.05409	0.10	0.00000
DL/KS16-18.3.0	Z16/Z17/Z18	3	0	0.00038	1.00000	0.05409	0.10	0.00000
DL/KS17-19.1.0-1	Z17/Z18/Z19	1	0	0.00486	1.00000	1.00000	0.10	0.00049
DL/KS17-19.2.0-1	Z17/Z18/Z19	2	0	0.00016	1.00000	0.71241	0.10	0.00001
DL/KS17-19.3.0-1	Z17/Z18/Z19	3	0	0.00212	1.00000	0.71241	0.10	0.00015
DL/KS17-19.4.0	Z17/Z18/Z19	4	0	0.00086	1.00000	0.72258	0.10	0.00006
DL/KS17-19.5.0	Z17/Z18/Z19	5	0	0.00134	1.00000	0.72258	0.10	0.00010
DL/KS18-20.1.0-1	Z18/Z19/Z20	1	0	0.00486	1.00000	1.00000	0.10	0.00049
DL/KS18-20.2.0-1	Z18/Z19/Z20	2	0	0.00228	1.00000	1.00000	0.10	0.00023
DL/KS18-20.3.0-1	Z18/Z19/Z20	3	0	0.00221	1.00000	1.00000	0.10	0.00022
DL/KS18-20.4.0	Z18/Z19/Z20	4	0	0.00000	1.00000	0.98032	0.10	0.00000
DL/KS19-21.0.0-1	Z19/Z20/Z21	0	0	0.01136	1.00000	1.00000	0.10	0.00114
DL/KS20-22.0.0-1	Z20/Z21/Z22	0	0	0.01143	1.00000	1.00000	0.10	0.00114
DS/KP1.1.0	Z1	1	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KP1.0.0	Z1	0	0	0.01783	1.00000	1.00000	0.20	0.00357
DS/KP2.1.0	Z2	1	0	0.00667	1.00000	1.00000	0.20	0.00133
DS/KP2.0.0	Z2	0	0	0.00911	1.00000	1.00000	0.20	0.00182
DS/KP3.0.0-1	Z3	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DS/KP4.1.0	Z4	1	0	0.01093	1.00000	1.00000	0.20	0.00219
DS/KP4.0.0	Z4	0	0	0.00067	1.00000	1.00000	0.20	0.00013
DS/KP5.1.0-1	Z5	1	0	0.01079	1.00000	1.00000	0.20	0.00216
DS/KP5.2.0-1	Z5	2	0	0.00229	1.00000	1.00000	0.20	0.00046
DS/KP5.0.0	Z5	0	0	0.00315	1.00000	1.00000	0.20	0.00063
DS/KP6.0.0	Z6	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DS/KP7.0.0	Z7	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DS/KP8.1.0-1	Z8	1	0	0.00669	1.00000	1.00000	0.20	0.00134
DS/KP8.2.0	Z8	2	0	0.00071	1.00000	1.00000	0.20	0.00014
DS/KP8.0.0	Z8	0	0	0.00027	1.00000	1.00000	0.20	0.00005
DS/KP9.1.0-1	Z9	1	0	0.00939	1.00000	1.00000	0.20	0.00188
DS/KP9.2.0	Z9	2	0	0.00167	1.00000	1.00000	0.20	0.00033
DS/KP9.0.0	Z9	0	0	0.00016	1.00000	1.00000	0.20	0.00003
DS/KP10.1.0-1	Z10	1	0	0.00968	1.00000	1.00000	0.20	0.00194
DS/KP10.2.0	Z10	2	0	0.00175	1.00000	1.00000	0.20	0.00035
DS/KP10.0.0	Z10	0	0	0.00018	1.00000	1.00000	0.20	0.00004
DS/KP11.1.0-1	Z11	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DS/KP11.2.0	Z11	2	0	0.00192	1.00000	1.00000	0.20	0.00038
DS/KP11.0.0	Z11	0	0	0.00123	1.00000	1.00000	0.20	0.00025
DS/KP12.1.0-1	Z12	1	0	0.01275	1.00000	1.00000	0.20	0.00255
DS/KP12.2.0	Z12	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DS/KP12.0.0	Z12	0	0	0.00036	1.00000	1.00000	0.20	0.00007
DS/KP13.1.0-1	Z13	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DS/KP13.2.0	Z13	2	0	0.00277	1.00000	1.00000	0.20	0.00055
DS/KP13.0.0	Z13	0	0	0.00038	1.00000	1.00000	0.20	0.00008
DS/KP14.1.0-1	Z14	1	0	0.00998	1.00000	1.00000	0.20	0.00200
DS/KP14.0.0	Z14	0	0	0.00163	1.00000	1.00000	0.20	0.00033
DS/KP15.1.0-1	Z15	1	0	0.01019	1.00000	1.00000	0.20	0.00204
DS/KP15.0.0	Z15	0	0	0.00102	1.00000	1.00000	0.20	0.00020
DS/KP16.1.0	Z16	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DS/KP16.2.0	Z16	2	0	0.00102	1.00000	1.00000	0.20	0.00020
DS/KP16.3.0	Z16	3	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KP17.1.0	Z17	1	0	0.01271	1.00000	1.00000	0.20	0.00254
DS/KP17.2.0	Z17	2	0	0.00295	1.00000	1.00000	0.20	0.00059
DS/KP17.3.0	Z17	3	0	0.00057	1.00000	1.00000	0.20	0.00011
DS/KP18.1.0	Z18	1	0	0.01174	1.00000	1.00000	0.20	0.00235
DS/KP18.2.0	Z18	2	0	0.00285	1.00000	1.00000	0.20	0.00057

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KP18.3.0	Z18	3	0	0.00119	1.00000	1.00000	0.20	0.00024
DS/KP18.4.0	Z18	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KP19.0.0-1	Z19	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DS/KP20.0.0-1	Z20	0	0	0.00766	1.00000	1.00000	0.20	0.00153
DS/KP21.0.0-1	Z21	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DS/KP22.0.0	Z22	0	0	0.04051	1.00000	1.00000	0.20	0.00810
DS/KP1-2.1.0	Z1/Z2	1	0	0.00657	1.00000	1.00000	0.20	0.00131
DS/KP1-2.0.0	Z1/Z2	0	0	0.01888	1.00000	1.00000	0.20	0.00378
DS/KP2-3.1.0	Z2/Z3	1	0	0.00517	1.00000	1.00000	0.20	0.00103
DS/KP2-3.0.0	Z2/Z3	0	0	0.01472	1.00000	1.00000	0.20	0.00294
DS/KP3-4.1.0-1	Z3/Z4	1	0	0.01408	1.00000	1.00000	0.20	0.00282
DS/KP3-4.0.0	Z3/Z4	0	0	0.00350	1.00000	1.00000	0.20	0.00070
DS/KP4-5.1.0	Z4/Z5	1	0	0.00946	1.00000	1.00000	0.20	0.00189
DS/KP4-5.2.0	Z4/Z5	2	0	0.00316	1.00000	0.98898	0.20	0.00062
DS/KP4-5.3.0	Z4/Z5	3	0	0.00361	1.00000	0.95653	0.20	0.00069
DS/KP4-5.0.0	Z4/Z5	0	0	0.00415	1.00000	0.92116	0.20	0.00077
DS/KP5-6.1.0	Z5/Z6	1	0	0.00934	1.00000	1.00000	0.20	0.00187
DS/KP5-6.2.0	Z5/Z6	2	0	0.00312	1.00000	0.98368	0.20	0.00061
DS/KP5-6.0.0	Z5/Z6	0	0	0.00765	1.00000	0.95168	0.20	0.00146
DS/KP6-7.0.0	Z6/Z7	0	0	0.01758	1.00000	0.97742	0.20	0.00344
DS/KP7-8.1.0	Z7/Z8	1	0	0.00941	1.00000	1.00000	0.20	0.00188
DS/KP7-8.2.0	Z7/Z8	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DS/KP7-8.0.0	Z7/Z8	0	0	0.00289	1.00000	1.00000	0.20	0.00058
DS/KP8-9.1.0-1	Z8/Z9	1	0	0.00929	1.00000	1.00000	0.20	0.00186
DS/KP8-9.2.0	Z8/Z9	2	0	0.00263	1.00000	1.00000	0.20	0.00053
DS/KP8-9.3.0	Z8/Z9	3	0	0.00167	1.00000	1.00000	0.20	0.00033
DS/KP8-9.0.0	Z8/Z9	0	0	0.00117	1.00000	1.00000	0.20	0.00023
DS/KP9-10.1.0-1	Z9/Z10	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DS/KP9-10.2.0	Z9/Z10	2	0	0.00514	1.00000	1.00000	0.20	0.00103
DS/KP9-10.0.0	Z9/Z10	0	0	0.00148	1.00000	1.00000	0.20	0.00030
DS/KP10-11.1.0-1	Z10/Z11	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DS/KP10-11.2.0	Z10/Z11	2	0	0.00361	1.00000	0.99916	0.20	0.00072
DS/KP10-11.3.0	Z10/Z11	3	0	0.00237	1.00000	0.98907	0.20	0.00047
DS/KP10-11.0.0	Z10/Z11	0	0	0.00179	1.00000	0.97991	0.20	0.00035
DS/KP11-12.1.0-1	Z11/Z12	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DS/KP11-12.2.0	Z11/Z12	2	0	0.00407	1.00000	0.96355	0.20	0.00078
DS/KP11-12.3.0	Z11/Z12	3	0	0.00269	1.00000	0.95237	0.20	0.00051
DS/KP11-12.0.0	Z11/Z12	0	0	0.00207	1.00000	0.93804	0.20	0.00039
DS/KP12-13.1.0-1	Z12/Z13	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DS/KP12-13.2.0	Z12/Z13	2	0	0.00676	1.00000	1.00000	0.20	0.00135
DS/KP12-13.0.0	Z12/Z13	0	0	0.00207	1.00000	1.00000	0.20	0.00041
DS/KP13-14.1.0-1	Z13/Z14	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DS/KP13-14.2.0	Z13/Z14	2	0	0.00072	1.00000	1.00000	0.20	0.00014
DS/KP13-14.3.0	Z13/Z14	3	0	0.00526	1.00000	0.99807	0.20	0.00105
DS/KP13-14.0.0	Z13/Z14	0	0	0.00179	1.00000	0.99024	0.20	0.00035
DS/KP14-15.1.0	Z14/Z15	1	0	0.01159	1.00000	0.96363	0.20	0.00223
DS/KP14-15.2.0	Z14/Z15	2	0	0.00130	1.00000	0.93225	0.20	0.00024
DS/KP14-15.0.0	Z14/Z15	0	0	0.00470	1.00000	1.00000	0.20	0.00094
DS/KP15-16.1.0-1	Z15/Z16	1	0	0.00917	1.00000	1.00000	0.20	0.00183
DS/KP15-16.2.0-1	Z15/Z16	2	0	0.00174	1.00000	1.00000	0.20	0.00035
DS/KP15-16.3.0	Z15/Z16	3	0	0.00382	1.00000	1.00000	0.20	0.00076
DS/KP15-16.4.0	Z15/Z16	4	0	0.00002	1.00000	1.00000	0.20	0.00000
DS/KP16-17.1.0	Z16/Z17	1	0	0.01022	1.00000	1.00000	0.20	0.00204
DS/KP16-17.2.0	Z16/Z17	2	0	0.00035	1.00000	0.95536	0.20	0.00007
DS/KP16-17.3.0	Z16/Z17	3	0	0.00463	1.00000	0.91943	0.20	0.00085
DS/KP16-17.4.0	Z16/Z17	4	0	0.00192	1.00000	0.85602	0.20	0.00033
DS/KP16-17.5.0	Z16/Z17	5	0	0.00003	1.00000	0.86306	0.20	0.00001

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KP17-18.1.0	Z17/Z18	1	0	0.01244	1.00000	1.00000	0.20	0.00249
DS/KP17-18.2.0	Z17/Z18	2	0	0.00109	1.00000	1.00000	0.20	0.00022
DS/KP17-18.3.0	Z17/Z18	3	0	0.00465	1.00000	1.00000	0.20	0.00093
DS/KP17-18.4.0	Z17/Z18	4	0	0.00203	1.00000	1.00000	0.20	0.00041
DS/KP17-18.5.0	Z17/Z18	5	0	0.00279	1.00000	1.00000	0.20	0.00056
DS/KP18-19.1.0-1	Z18/Z19	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DS/KP18-19.2.0-1	Z18/Z19	2	0	0.00505	1.00000	1.00000	0.20	0.00101
DS/KP18-19.3.0-1	Z18/Z19	3	0	0.00415	1.00000	1.00000	0.20	0.00083
DS/KP18-19.4.0-1	Z18/Z19	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DS/KP19-20.0.0-1	Z19/Z20	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DS/KP20-21.0.0-1	Z20/Z21	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DS/KP21-22.0.0-1	Z21/Z22	0	0	0.02740	1.00000	1.00000	0.20	0.00548
DS/KP1-3.1.0	Z1/Z2/Z3	1	0	0.00235	1.00000	1.00000	0.20	0.00047
DS/KP1-3.0.0	Z1/Z2/Z3	0	0	0.00697	1.00000	1.00000	0.20	0.00139
DS/KP2-4.1.0	Z2/Z3/Z4	1	0	0.00276	1.00000	1.00000	0.20	0.00055
DS/KP2-4.2.0	Z2/Z3/Z4	2	0	0.00563	1.00000	0.81092	0.20	0.00091
DS/KP2-4.0.0	Z2/Z3/Z4	0	0	0.00256	1.00000	0.09622	0.20	0.00005
DS/KP3-5.1.0-2	Z3/Z4/Z5	1	0	0.00479	1.00000	1.00000	0.20	0.00096
DS/KP4-6.1.0	Z4/Z5/Z6	1	0	0.00366	1.00000	0.80681	0.20	0.00059
DS/KP5-7.1.0	Z5/Z6/Z7	1	0	0.00491	1.00000	0.89926	0.20	0.00088
DS/KP6-8.1.0	Z6/Z7/Z8	1	0	0.00497	1.00000	0.83026	0.20	0.00083
DS/KP6-8.2.0	Z6/Z7/Z8	2	0	0.00146	1.00000	0.80994	0.20	0.00024
DS/KP6-8.0.0	Z6/Z7/Z8	0	0	0.00196	1.00000	0.78811	0.20	0.00031
DS/KP7-9.1.0	Z7/Z8/Z9	1	0	0.00664	1.00000	0.97130	0.20	0.00129
DS/KP7-9.2.0	Z7/Z8/Z9	2	0	0.00196	1.00000	0.88784	0.20	0.00035
DS/KP7-9.3.0	Z7/Z8/Z9	3	0	0.00139	1.00000	0.87665	0.20	0.00024
DS/KP7-9.0.0	Z7/Z8/Z9	0	0	0.00123	1.00000	0.85376	0.20	0.00021
DS/KP8-10.1.0-1	Z8/Z9/Z10	1	0	0.00509	1.00000	1.00000	0.20	0.00102
DS/KP8-10.2.0	Z8/Z9/Z10	2	0	0.00150	1.00000	0.92438	0.20	0.00028
DS/KP8-10.3.0	Z8/Z9/Z10	3	0	0.00107	1.00000	0.91553	0.20	0.00020
DS/KP8-10.0.0	Z8/Z9/Z10	0	0	0.00094	1.00000	0.89648	0.20	0.00017
DS/KP9-11.1.0-1	Z9/Z10/Z11	1	0	0.00637	1.00000	1.00000	0.20	0.00127
DS/KP9-11.2.0	Z9/Z10/Z11	2	0	0.00187	1.00000	0.96315	0.20	0.00036
DS/KP9-11.3.0	Z9/Z10/Z11	3	0	0.00134	1.00000	0.94857	0.20	0.00025
DS/KP9-11.0.0	Z9/Z10/Z11	0	0	0.00118	1.00000	0.36755	0.20	0.00009
DS/KP10-12.1.0	Z10/Z11/Z12	1	0	0.00540	1.00000	0.99135	0.20	0.00107
DS/KP10-12.2.0	Z10/Z11/Z12	2	0	0.00159	1.00000	0.72803	0.20	0.00023
DS/KP10-12.3.0	Z10/Z11/Z12	3	0	0.00113	1.00000	0.68828	0.20	0.00016
DS/KP10-12.0.0	Z10/Z11/Z12	0	0	0.00100	1.00000	0.73289	0.20	0.00015
DS/KP11-13.1.0	Z11/Z12/Z13	1	0	0.00612	1.00000	0.98731	0.20	0.00121
DS/KP11-13.2.0	Z11/Z12/Z13	2	0	0.00180	1.00000	0.78404	0.20	0.00028
DS/KP11-13.3.0	Z11/Z12/Z13	3	0	0.00128	1.00000	0.63806	0.20	0.00016
DS/KP11-13.0.0	Z11/Z12/Z13	0	0	0.00113	1.00000	0.78066	0.20	0.00018
DS/KP12-14.1.0-1	Z12/Z13/Z14	1	0	0.00540	1.00000	1.00000	0.20	0.00108
DS/KP12-14.2.0	Z12/Z13/Z14	2	0	0.00031	1.00000	0.93651	0.20	0.00006
DS/KP12-14.3.0	Z12/Z13/Z14	3	0	0.00241	1.00000	0.90248	0.20	0.00044
DS/KP12-14.0.0	Z12/Z13/Z14	0	0	0.00100	1.00000	0.87413	0.20	0.00017
DS/KP13-15.1.0	Z13/Z14/Z15	1	0	0.00637	1.00000	0.78347	0.20	0.00100
DS/KP13-15.4.0-1	Z13/Z14/Z15	4	0	0.00208	1.00000	0.69447	0.20	0.00029
DS/KP14-16.1.0-1	Z14/Z15/Z16	1	0	0.00503	1.00000	1.00000	0.20	0.00101
DS/KP14-16.2.0-1	Z14/Z15/Z16	2	0	0.00036	1.00000	1.00000	0.20	0.00007
DS/KP14-16.3.0	Z14/Z15/Z16	3	0	0.00062	1.00000	1.00000	0.20	0.00012
DS/KP14-16.4.0	Z14/Z15/Z16	4	0	0.00258	1.00000	1.00000	0.20	0.00052
DS/KP14-16.5.0	Z14/Z15/Z16	5	0	0.00002	1.00000	1.00000	0.20	0.00000
DS/KP15-17.1.0-1	Z15/Z16/Z17	1	0	0.00708	1.00000	1.00000	0.20	0.00142
DS/KP15-17.2.0-1	Z15/Z16/Z17	2	0	0.00024	1.00000	0.98521	0.20	0.00005
DS/KP15-17.3.0-1	Z15/Z16/Z17	3	0	0.00142	1.00000	0.95319	0.20	0.00027

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DS/KP15-17.4.0	Z15/Z16/Z17	4	0	0.00199	1.00000	0.92711	0.20	0.00037
DS/KP16-18.1.0	Z16/Z17/Z18	1	0	0.00413	1.00000	0.91615	0.20	0.00076
DS/KP16-18.2.0	Z16/Z17/Z18	2	0	0.00036	1.00000	0.12072	0.20	0.00001
DS/KP16-18.3.0	Z16/Z17/Z18	3	0	0.00015	1.00000	0.12072	0.20	0.00000
DS/KP17-19.1.0	Z17/Z18/Z19	1	0	0.00486	1.00000	0.97895	0.20	0.00095
DS/KP18-20.1.0-1	Z18/Z19/Z20	1	0	0.00486	1.00000	1.00000	0.20	0.00097
DS/KP18-20.2.0	Z18/Z19/Z20	2	0	0.00228	1.00000	0.93274	0.20	0.00043
DS/KP19-21.0.0-1	Z19/Z20/Z21	0	0	0.01136	1.00000	1.00000	0.20	0.00227
DS/KP20-22.0.0-1	Z20/Z21/Z22	0	0	0.01143	1.00000	1.00000	0.20	0.00229
DP/KP1.1.0	Z1	1	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KP1.0.0	Z1	0	0	0.01783	1.00000	1.00000	0.20	0.00357
DP/KP2.1.0	Z2	1	0	0.00667	1.00000	1.00000	0.20	0.00133
DP/KP2.0.0	Z2	0	0	0.00911	1.00000	1.00000	0.20	0.00182
DP/KP3.0.0-1	Z3	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DP/KP4.1.0	Z4	1	0	0.01093	1.00000	1.00000	0.20	0.00219
DP/KP4.0.0	Z4	0	0	0.00067	1.00000	1.00000	0.20	0.00013
DP/KP5.1.0-1	Z5	1	0	0.01079	1.00000	1.00000	0.20	0.00216
DP/KP5.2.0-1	Z5	2	0	0.00229	1.00000	1.00000	0.20	0.00046
DP/KP5.0.0	Z5	0	0	0.00315	1.00000	1.00000	0.20	0.00063
DP/KP6.0.0	Z6	0	0	0.01121	1.00000	1.00000	0.20	0.00224
DP/KP7.0.0	Z7	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DP/KP8.1.0-1	Z8	1	0	0.00669	1.00000	1.00000	0.20	0.00134
DP/KP8.2.0	Z8	2	0	0.00071	1.00000	1.00000	0.20	0.00014
DP/KP8.0.0	Z8	0	0	0.00027	1.00000	1.00000	0.20	0.00005
DP/KP9.1.0-1	Z9	1	0	0.00939	1.00000	1.00000	0.20	0.00188
DP/KP9.2.0	Z9	2	0	0.00167	1.00000	1.00000	0.20	0.00033
DP/KP9.0.0	Z9	0	0	0.00016	1.00000	1.00000	0.20	0.00003
DP/KP10.1.0-1	Z10	1	0	0.00968	1.00000	1.00000	0.20	0.00194
DP/KP10.2.0	Z10	2	0	0.00175	1.00000	1.00000	0.20	0.00035
DP/KP10.0.0	Z10	0	0	0.00018	1.00000	1.00000	0.20	0.00004
DP/KP11.1.0-1	Z11	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DP/KP11.2.0	Z11	2	0	0.00192	1.00000	1.00000	0.20	0.00038
DP/KP11.0.0	Z11	0	0	0.00123	1.00000	1.00000	0.20	0.00025
DP/KP12.1.0-1	Z12	1	0	0.01275	1.00000	1.00000	0.20	0.00255
DP/KP12.2.0	Z12	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DP/KP12.0.0	Z12	0	0	0.00036	1.00000	1.00000	0.20	0.00007
DP/KP13.1.0-1	Z13	1	0	0.01308	1.00000	1.00000	0.20	0.00262
DP/KP13.2.0	Z13	2	0	0.00277	1.00000	1.00000	0.20	0.00055
DP/KP13.0.0	Z13	0	0	0.00038	1.00000	1.00000	0.20	0.00008
DP/KP14.1.0-1	Z14	1	0	0.00998	1.00000	1.00000	0.20	0.00200
DP/KP14.0.0	Z14	0	0	0.00163	1.00000	1.00000	0.20	0.00033
DP/KP15.1.0-1	Z15	1	0	0.01019	1.00000	1.00000	0.20	0.00204
DP/KP15.0.0	Z15	0	0	0.00102	1.00000	1.00000	0.20	0.00020
DP/KP16.1.0	Z16	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DP/KP16.2.0	Z16	2	0	0.00102	1.00000	1.00000	0.20	0.00020
DP/KP16.3.0	Z16	3	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KP17.1.0	Z17	1	0	0.01271	1.00000	1.00000	0.20	0.00254
DP/KP17.2.0	Z17	2	0	0.00295	1.00000	1.00000	0.20	0.00059
DP/KP17.3.0	Z17	3	0	0.00057	1.00000	1.00000	0.20	0.00011
DP/KP18.1.0	Z18	1	0	0.01174	1.00000	1.00000	0.20	0.00235
DP/KP18.2.0	Z18	2	0	0.00285	1.00000	1.00000	0.20	0.00057
DP/KP18.3.0	Z18	3	0	0.00119	1.00000	1.00000	0.20	0.00024
DP/KP18.4.0	Z18	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KP19.0.0-1	Z19	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DP/KP20.0.0-1	Z20	0	0	0.00766	1.00000	1.00000	0.20	0.00153
DP/KP21.0.0-1	Z21	0	0	0.01160	1.00000	1.00000	0.20	0.00232
DP/KP22.0.0	Z22	0	0	0.04051	1.00000	1.00000	0.20	0.00810

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DP/KP1-2.1.0	Z1/Z2	1	0	0.00657	1.00000	1.00000	0.20	0.00131
DP/KP1-2.0.0	Z1/Z2	0	0	0.01888	1.00000	1.00000	0.20	0.00378
DP/KP2-3.1.0	Z2/Z3	1	0	0.00517	1.00000	1.00000	0.20	0.00103
DP/KP2-3.0.0	Z2/Z3	0	0	0.01472	1.00000	1.00000	0.20	0.00294
DP/KP3-4.1.0-1	Z3/Z4	1	0	0.01408	1.00000	1.00000	0.20	0.00282
DP/KP3-4.0.0	Z3/Z4	0	0	0.00350	1.00000	1.00000	0.20	0.00070
DP/KP4-5.1.0-1	Z4/Z5	1	0	0.00946	1.00000	1.00000	0.20	0.00189
DP/KP4-5.2.0	Z4/Z5	2	0	0.00316	1.00000	1.00000	0.20	0.00063
DP/KP4-5.3.0	Z4/Z5	3	0	0.00361	1.00000	1.00000	0.20	0.00072
DP/KP4-5.0.0	Z4/Z5	0	0	0.00415	1.00000	0.98843	0.20	0.00082
DP/KP5-6.1.0	Z5/Z6	1	0	0.00934	1.00000	1.00000	0.20	0.00187
DP/KP5-6.2.0	Z5/Z6	2	0	0.00312	1.00000	1.00000	0.20	0.00062
DP/KP5-6.0.0	Z5/Z6	0	0	0.00765	1.00000	1.00000	0.20	0.00153
DP/KP6-7.0.0	Z6/Z7	0	0	0.01758	1.00000	1.00000	0.20	0.00352
DP/KP7-8.1.0	Z7/Z8	1	0	0.00941	1.00000	1.00000	0.20	0.00188
DP/KP7-8.2.0	Z7/Z8	2	0	0.00267	1.00000	1.00000	0.20	0.00053
DP/KP7-8.0.0	Z7/Z8	0	0	0.00289	1.00000	1.00000	0.20	0.00058
DP/KP8-9.1.0-1	Z8/Z9	1	0	0.00929	1.00000	1.00000	0.20	0.00186
DP/KP8-9.2.0	Z8/Z9	2	0	0.00263	1.00000	1.00000	0.20	0.00053
DP/KP8-9.3.0	Z8/Z9	3	0	0.00167	1.00000	1.00000	0.20	0.00033
DP/KP8-9.0.0	Z8/Z9	0	0	0.00117	1.00000	1.00000	0.20	0.00023
DP/KP9-10.1.0-1	Z9/Z10	1	0	0.01096	1.00000	1.00000	0.20	0.00219
DP/KP9-10.2.0	Z9/Z10	2	0	0.00514	1.00000	1.00000	0.20	0.00103
DP/KP9-10.0.0	Z9/Z10	0	0	0.00148	1.00000	1.00000	0.20	0.00030
DP/KP10-11.1.0-1	Z10/Z11	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DP/KP10-11.2.0	Z10/Z11	2	0	0.00361	1.00000	1.00000	0.20	0.00072
DP/KP10-11.3.0	Z10/Z11	3	0	0.00237	1.00000	1.00000	0.20	0.00047
DP/KP10-11.0.0	Z10/Z11	0	0	0.00179	1.00000	1.00000	0.20	0.00036
DP/KP11-12.1.0-1	Z11/Z12	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DP/KP11-12.2.0	Z11/Z12	2	0	0.00407	1.00000	1.00000	0.20	0.00081
DP/KP11-12.3.0	Z11/Z12	3	0	0.00269	1.00000	1.00000	0.20	0.00054
DP/KP11-12.0.0	Z11/Z12	0	0	0.00207	1.00000	0.98752	0.20	0.00041
DP/KP12-13.1.0-1	Z12/Z13	1	0	0.01418	1.00000	1.00000	0.20	0.00284
DP/KP12-13.2.0	Z12/Z13	2	0	0.00676	1.00000	1.00000	0.20	0.00135
DP/KP12-13.0.0	Z12/Z13	0	0	0.00207	1.00000	1.00000	0.20	0.00041
DP/KP13-14.1.0-1	Z13/Z14	1	0	0.01262	1.00000	1.00000	0.20	0.00252
DP/KP13-14.2.0	Z13/Z14	2	0	0.00072	1.00000	1.00000	0.20	0.00014
DP/KP13-14.3.0	Z13/Z14	3	0	0.00526	1.00000	1.00000	0.20	0.00105
DP/KP13-14.0.0	Z13/Z14	0	0	0.00179	1.00000	1.00000	0.20	0.00036
DP/KP14-15.1.0-1	Z14/Z15	1	0	0.01159	1.00000	1.00000	0.20	0.00232
DP/KP14-15.2.0	Z14/Z15	2	0	0.00130	1.00000	0.98449	0.20	0.00026
DP/KP14-15.0.0	Z14/Z15	0	0	0.00470	1.00000	1.00000	0.20	0.00094
DP/KP15-16.1.0	Z15/Z16	1	0	0.00917	1.00000	1.00000	0.20	0.00183
DP/KP15-16.2.0-1	Z15/Z16	2	0	0.00174	1.00000	1.00000	0.20	0.00035
DP/KP15-16.3.0	Z15/Z16	3	0	0.00382	1.00000	1.00000	0.20	0.00076
DP/KP15-16.4.0	Z15/Z16	4	0	0.00002	1.00000	1.00000	0.20	0.00000
DP/KP16-17.1.0	Z16/Z17	1	0	0.01022	1.00000	1.00000	0.20	0.00204
DP/KP16-17.2.0	Z16/Z17	2	0	0.00035	1.00000	0.99131	0.20	0.00007
DP/KP16-17.3.0	Z16/Z17	3	0	0.00463	1.00000	0.95655	0.20	0.00089
DP/KP16-17.4.0	Z16/Z17	4	0	0.00192	1.00000	0.90720	0.20	0.00035
DP/KP16-17.5.0	Z16/Z17	5	0	0.00003	1.00000	0.91794	0.20	0.00001
DP/KP17-18.1.0	Z17/Z18	1	0	0.01244	1.00000	1.00000	0.20	0.00249
DP/KP17-18.2.0	Z17/Z18	2	0	0.00109	1.00000	1.00000	0.20	0.00022
DP/KP17-18.3.0	Z17/Z18	3	0	0.00465	1.00000	1.00000	0.20	0.00093
DP/KP17-18.4.0	Z17/Z18	4	0	0.00203	1.00000	1.00000	0.20	0.00041
DP/KP17-18.5.0	Z17/Z18	5	0	0.00279	1.00000	1.00000	0.20	0.00056
DP/KP18-19.1.0-1	Z18/Z19	1	0	0.01096	1.00000	1.00000	0.20	0.00219

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DP/KP18-19.2.0-1	Z18/Z19	2	0	0.00505	1.00000	1.00000	0.20	0.00101
DP/KP18-19.3.0-1	Z18/Z19	3	0	0.00415	1.00000	1.00000	0.20	0.00083
DP/KP18-19.4.0-1	Z18/Z19	4	0	0.00000	1.00000	1.00000	0.20	0.00000
DP/KP19-20.0.0-1	Z19/Z20	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DP/KP20-21.0.0-1	Z20/Z21	0	0	0.01497	1.00000	1.00000	0.20	0.00299
DP/KP21-22.0.0-1	Z21/Z22	0	0	0.02740	1.00000	1.00000	0.20	0.00548
DP/KP1-3.1.0	Z1/Z2/Z3	1	0	0.00235	1.00000	1.00000	0.20	0.00047
DP/KP1-3.0.0	Z1/Z2/Z3	0	0	0.00697	1.00000	1.00000	0.20	0.00139
DP/KP2-4.1.0	Z2/Z3/Z4	1	0	0.00276	1.00000	1.00000	0.20	0.00055
DP/KP2-4.2.0	Z2/Z3/Z4	2	0	0.00563	1.00000	0.95412	0.20	0.00107
DP/KP2-4.0.0	Z2/Z3/Z4	0	0	0.00256	1.00000	0.91666	0.20	0.00047
DP/KP3-5.1.0-2	Z3/Z4/Z5	1	0	0.00479	1.00000	1.00000	0.20	0.00096
DP/KP3-5.2.0	Z3/Z4/Z5	2	0	0.00158	1.00000	0.90003	0.20	0.00028
DP/KP3-5.3.0	Z3/Z4/Z5	3	0	0.00187	1.00000	0.78710	0.20	0.00030
DP/KP3-5.0.0	Z3/Z4/Z5	0	0	0.00252	1.00000	0.06444	0.20	0.00003
DP/KP4-6.1.0	Z4/Z5/Z6	1	0	0.00366	1.00000	0.95768	0.20	0.00070
DP/KP5-7.1.0	Z5/Z6/Z7	1	0	0.00491	1.00000	0.98644	0.20	0.00097
DP/KP5-7.2.0	Z5/Z6/Z7	2	0	0.00162	1.00000	0.64447	0.20	0.00021
DP/KP6-8.1.0	Z6/Z7/Z8	1	0	0.00497	1.00000	0.91252	0.20	0.00091
DP/KP6-8.2.0	Z6/Z7/Z8	2	0	0.00146	1.00000	0.89662	0.20	0.00026
DP/KP6-8.0.0	Z6/Z7/Z8	0	0	0.00196	1.00000	0.88506	0.20	0.00035
DP/KP7-9.1.0	Z7/Z8/Z9	1	0	0.00664	1.00000	1.00000	0.20	0.00133
DP/KP7-9.2.0	Z7/Z8/Z9	2	0	0.00196	1.00000	0.95298	0.20	0.00037
DP/KP7-9.3.0	Z7/Z8/Z9	3	0	0.00139	1.00000	0.94462	0.20	0.00026
DP/KP7-9.0.0	Z7/Z8/Z9	0	0	0.00123	1.00000	0.92702	0.20	0.00023
DP/KP8-10.1.0-1	Z8/Z9/Z10	1	0	0.00509	1.00000	1.00000	0.20	0.00102
DP/KP8-10.2.0	Z8/Z9/Z10	2	0	0.00150	1.00000	0.97710	0.20	0.00029
DP/KP8-10.3.0	Z8/Z9/Z10	3	0	0.00107	1.00000	0.96903	0.20	0.00021
DP/KP8-10.0.0	Z8/Z9/Z10	0	0	0.00094	1.00000	0.95334	0.20	0.00018
DP/KP9-11.1.0-1	Z9/Z10/Z11	1	0	0.00637	1.00000	1.00000	0.20	0.00127
DP/KP9-11.2.0	Z9/Z10/Z11	2	0	0.00187	1.00000	1.00000	0.20	0.00037
DP/KP9-11.3.0	Z9/Z10/Z11	3	0	0.00134	1.00000	1.00000	0.20	0.00027
DP/KP9-11.0.0	Z9/Z10/Z11	0	0	0.00118	1.00000	0.98749	0.20	0.00023
DP/KP10-12.1.0-1	Z10/Z11/Z12	1	0	0.00540	1.00000	1.00000	0.20	0.00108
DP/KP10-12.2.0-1	Z10/Z11/Z12	2	0	0.00159	1.00000	0.45992	0.20	0.00015
DP/KP10-12.3.0-1	Z10/Z11/Z12	3	0	0.00113	1.00000	0.41211	0.20	0.00009
DP/KP10-12.0.0	Z10/Z11/Z12	0	0	0.00100	1.00000	0.77306	0.20	0.00015
DP/KP11-13.1.0-1	Z11/Z12/Z13	1	0	0.00612	1.00000	0.90179	0.20	0.00110
DP/KP11-13.2.0-1	Z11/Z12/Z13	2	0	0.00180	1.00000	0.42523	0.20	0.00015
DP/KP11-13.3.0-1	Z11/Z12/Z13	3	0	0.00128	1.00000	0.36630	0.20	0.00009
DP/KP11-13.0.0-1	Z11/Z12/Z13	0	0	0.00113	1.00000	0.77055	0.20	0.00017
DP/KP12-14.1.0-1	Z12/Z13/Z14	1	0	0.00540	1.00000	0.95329	0.20	0.00103
DP/KP12-14.2.0-1	Z12/Z13/Z14	2	0	0.00031	1.00000	0.49351	0.20	0.00003
DP/KP12-14.3.0-1	Z12/Z13/Z14	3	0	0.00241	1.00000	0.49351	0.20	0.00024
DP/KP12-14.0.0	Z12/Z13/Z14	0	0	0.00100	1.00000	0.93235	0.20	0.00019
DP/KP13-15.1.0	Z13/Z14/Z15	1	0	0.00637	1.00000	0.87075	0.20	0.00111
DP/KP13-15.2.0	Z13/Z14/Z15	2	0	0.00036	1.00000	0.19319	0.20	0.00001
DP/KP13-15.4.0-1	Z13/Z14/Z15	4	0	0.00208	1.00000	0.33756	0.20	0.00014
DP/KP13-15.0.0-1	Z13/Z14/Z15	0	0	0.00118	1.00000	0.62665	0.20	0.00015
DP/KP14-16.1.0-1	Z14/Z15/Z16	1	0	0.00503	1.00000	1.00000	0.20	0.00101
DP/KP14-16.2.0	Z14/Z15/Z16	2	0	0.00036	1.00000	1.00000	0.20	0.00007
DP/KP14-16.3.0	Z14/Z15/Z16	3	0	0.00062	1.00000	1.00000	0.20	0.00012
DP/KP14-16.4.0	Z14/Z15/Z16	4	0	0.00258	1.00000	1.00000	0.20	0.00052
DP/KP14-16.5.0	Z14/Z15/Z16	5	0	0.00002	1.00000	1.00000	0.20	0.00000
DP/KP15-17.1.0	Z15/Z16/Z17	1	0	0.00708	1.00000	1.00000	0.20	0.00142
DP/KP15-17.2.0-1	Z15/Z16/Z17	2	0	0.00024	1.00000	0.98543	0.20	0.00005
DP/KP15-17.3.0	Z15/Z16/Z17	3	0	0.00142	1.00000	0.92494	0.20	0.00026

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DP/KP15-17.4.0	Z15/Z16/Z17	4	0	0.00199	1.00000	0.84894	0.20	0.00034
DP/KP15-17.5.0	Z15/Z16/Z17	5	0	0.00177	1.00000	0.86660	0.20	0.00031
DP/KP15-17.6.0	Z15/Z16/Z17	6	0	0.00004	1.00000	0.84229	0.20	0.00001
DP/KP16-18.1.0	Z16/Z17/Z18	1	0	0.00413	1.00000	0.97649	0.20	0.00081
DP/KP16-18.2.0	Z16/Z17/Z18	2	0	0.00036	1.00000	0.28286	0.20	0.00002
DP/KP16-18.3.0	Z16/Z17/Z18	3	0	0.00015	1.00000	0.28286	0.20	0.00001
DP/KP16-18.4.0	Z16/Z17/Z18	4	0	0.00143	1.00000	0.00589	0.20	0.00000
DP/KP17-19.1.0-1	Z17/Z18/Z19	1	0	0.00486	1.00000	1.00000	0.20	0.00097
DP/KP17-19.2.0	Z17/Z18/Z19	2	0	0.00042	1.00000	0.93554	0.20	0.00008
DP/KP17-19.3.0	Z17/Z18/Z19	3	0	0.00186	1.00000	0.93554	0.20	0.00035
DP/KP18-20.1.0-1	Z18/Z19/Z20	1	0	0.00486	1.00000	1.00000	0.20	0.00097
DP/KP18-20.2.0-1	Z18/Z19/Z20	2	0	0.00228	1.00000	1.00000	0.20	0.00046
DP/KP18-20.3.0	Z18/Z19/Z20	3	0	0.00221	1.00000	0.76348	0.20	0.00034
DP/KP19-21.0.0-1	Z19/Z20/Z21	0	0	0.01136	1.00000	1.00000	0.20	0.00227
DP/KP20-22.0.0-1	Z20/Z21/Z22	0	0	0.01143	1.00000	1.00000	0.20	0.00229
DL/KP1.1.0	Z1	1	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KP1.0.0	Z1	0	0	0.01783	1.00000	1.00000	0.10	0.00178
DL/KP2.1.0	Z2	1	0	0.00667	1.00000	1.00000	0.10	0.00067
DL/KP2.0.0	Z2	0	0	0.00911	1.00000	1.00000	0.10	0.00091
DL/KP3.0.0-1	Z3	0	0	0.01121	1.00000	1.00000	0.10	0.00112
DL/KP4.1.0	Z4	1	0	0.01093	1.00000	1.00000	0.10	0.00109
DL/KP4.0.0	Z4	0	0	0.00067	1.00000	1.00000	0.10	0.00007
DL/KP5.1.0-1	Z5	1	0	0.01079	1.00000	1.00000	0.10	0.00108
DL/KP5.2.0-1	Z5	2	0	0.00229	1.00000	1.00000	0.10	0.00023
DL/KP5.0.0	Z5	0	0	0.00315	1.00000	1.00000	0.10	0.00032
DL/KP6.0.0	Z6	0	0	0.01121	1.00000	1.00000	0.10	0.00112
DL/KP7.0.0	Z7	0	0	0.01160	1.00000	1.00000	0.10	0.00116
DL/KP8.1.0-1	Z8	1	0	0.00669	1.00000	1.00000	0.10	0.00067
DL/KP8.2.0	Z8	2	0	0.00071	1.00000	1.00000	0.10	0.00007
DL/KP8.0.0	Z8	0	0	0.00027	1.00000	1.00000	0.10	0.00003
DL/KP9.1.0-1	Z9	1	0	0.00939	1.00000	1.00000	0.10	0.00094
DL/KP9.2.0	Z9	2	0	0.00167	1.00000	1.00000	0.10	0.00017
DL/KP9.0.0	Z9	0	0	0.00016	1.00000	1.00000	0.10	0.00002
DL/KP10.1.0-1	Z10	1	0	0.00968	1.00000	1.00000	0.10	0.00097
DL/KP10.2.0	Z10	2	0	0.00175	1.00000	1.00000	0.10	0.00017
DL/KP10.0.0	Z10	0	0	0.00018	1.00000	1.00000	0.10	0.00002
DL/KP11.1.0-1	Z11	1	0	0.01308	1.00000	1.00000	0.10	0.00131
DL/KP11.2.0	Z11	2	0	0.00192	1.00000	1.00000	0.10	0.00019
DL/KP11.0.0	Z11	0	0	0.00123	1.00000	1.00000	0.10	0.00012
DL/KP12.1.0-1	Z12	1	0	0.01275	1.00000	1.00000	0.10	0.00128
DL/KP12.2.0	Z12	2	0	0.00267	1.00000	1.00000	0.10	0.00027
DL/KP12.0.0	Z12	0	0	0.00036	1.00000	1.00000	0.10	0.00004
DL/KP13.1.0-1	Z13	1	0	0.01308	1.00000	1.00000	0.10	0.00131
DL/KP13.2.0	Z13	2	0	0.00277	1.00000	1.00000	0.10	0.00028
DL/KP13.0.0	Z13	0	0	0.00038	1.00000	1.00000	0.10	0.00004
DL/KP14.1.0	Z14	1	0	0.00998	1.00000	1.00000	0.10	0.00100
DL/KP14.0.0	Z14	0	0	0.00163	1.00000	1.00000	0.10	0.00016
DL/KP15.1.0	Z15	1	0	0.01019	1.00000	1.00000	0.10	0.00102
DL/KP15.0.0	Z15	0	0	0.00102	1.00000	1.00000	0.10	0.00010
DL/KP16.1.0	Z16	1	0	0.00664	1.00000	1.00000	0.10	0.00066
DL/KP16.2.0	Z16	2	0	0.00102	1.00000	1.00000	0.10	0.00010
DL/KP16.3.0	Z16	3	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KP17.1.0	Z17	1	0	0.01271	1.00000	1.00000	0.10	0.00127
DL/KP17.2.0	Z17	2	0	0.00295	1.00000	1.00000	0.10	0.00030
DL/KP17.3.0	Z17	3	0	0.00057	1.00000	1.00000	0.10	0.00006
DL/KP18.1.0	Z18	1	0	0.01174	1.00000	1.00000	0.10	0.00117
DL/KP18.2.0	Z18	2	0	0.00285	1.00000	1.00000	0.10	0.00029

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DL/KP18.3.0	Z18	3	0	0.00119	1.00000	1.00000	0.10	0.00012
DL/KP18.4.0	Z18	4	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KP19.0.0-1	Z19	0	0	0.01160	1.00000	1.00000	0.10	0.00116
DL/KP20.0.0-1	Z20	0	0	0.00766	1.00000	1.00000	0.10	0.00077
DL/KP21.0.0-1	Z21	0	0	0.01160	1.00000	1.00000	0.10	0.00116
DL/KP22.0.0	Z22	0	0	0.04051	1.00000	1.00000	0.10	0.00405
DL/KP1-2.1.0	Z1/Z2	1	0	0.00657	1.00000	1.00000	0.10	0.00066
DL/KP1-2.0.0	Z1/Z2	0	0	0.01888	1.00000	1.00000	0.10	0.00189
DL/KP2-3.1.0-1	Z2/Z3	1	0	0.00517	1.00000	1.00000	0.10	0.00052
DL/KP2-3.0.0	Z2/Z3	0	0	0.01472	1.00000	1.00000	0.10	0.00147
DL/KP3-4.1.0-1	Z3/Z4	1	0	0.01408	1.00000	1.00000	0.10	0.00141
DL/KP3-4.0.0	Z3/Z4	0	0	0.00350	1.00000	1.00000	0.10	0.00035
DL/KP4-5.1.0-1	Z4/Z5	1	0	0.00946	1.00000	1.00000	0.10	0.00095
DL/KP4-5.2.0-1	Z4/Z5	2	0	0.00316	1.00000	1.00000	0.10	0.00032
DL/KP4-5.3.0	Z4/Z5	3	0	0.00361	1.00000	1.00000	0.10	0.00036
DL/KP4-5.0.0	Z4/Z5	0	0	0.00415	1.00000	1.00000	0.10	0.00042
DL/KP5-6.1.0	Z5/Z6	1	0	0.00934	1.00000	1.00000	0.10	0.00093
DL/KP5-6.2.0	Z5/Z6	2	0	0.00312	1.00000	1.00000	0.10	0.00031
DL/KP5-6.0.0	Z5/Z6	0	0	0.00765	1.00000	1.00000	0.10	0.00076
DL/KP6-7.0.0	Z6/Z7	0	0	0.01758	1.00000	1.00000	0.10	0.00176
DL/KP7-8.1.0	Z7/Z8	1	0	0.00941	1.00000	1.00000	0.10	0.00094
DL/KP7-8.2.0	Z7/Z8	2	0	0.00267	1.00000	1.00000	0.10	0.00027
DL/KP7-8.0.0	Z7/Z8	0	0	0.00289	1.00000	1.00000	0.10	0.00029
DL/KP8-9.1.0-1	Z8/Z9	1	0	0.00929	1.00000	1.00000	0.10	0.00093
DL/KP8-9.2.0	Z8/Z9	2	0	0.00263	1.00000	1.00000	0.10	0.00026
DL/KP8-9.3.0	Z8/Z9	3	0	0.00167	1.00000	1.00000	0.10	0.00017
DL/KP8-9.0.0	Z8/Z9	0	0	0.00117	1.00000	1.00000	0.10	0.00012
DL/KP9-10.1.0-1	Z9/Z10	1	0	0.01096	1.00000	1.00000	0.10	0.00110
DL/KP9-10.2.0	Z9/Z10	2	0	0.00514	1.00000	1.00000	0.10	0.00051
DL/KP9-10.0.0	Z9/Z10	0	0	0.00148	1.00000	1.00000	0.10	0.00015
DL/KP10-11.1.0-1	Z10/Z11	1	0	0.01262	1.00000	1.00000	0.10	0.00126
DL/KP10-11.2.0	Z10/Z11	2	0	0.00361	1.00000	1.00000	0.10	0.00036
DL/KP10-11.3.0	Z10/Z11	3	0	0.00237	1.00000	1.00000	0.10	0.00024
DL/KP10-11.0.0	Z10/Z11	0	0	0.00179	1.00000	1.00000	0.10	0.00018
DL/KP11-12.1.0-1	Z11/Z12	1	0	0.01418	1.00000	1.00000	0.10	0.00142
DL/KP11-12.2.0	Z11/Z12	2	0	0.00407	1.00000	1.00000	0.10	0.00041
DL/KP11-12.3.0	Z11/Z12	3	0	0.00269	1.00000	1.00000	0.10	0.00027
DL/KP11-12.0.0	Z11/Z12	0	0	0.00207	1.00000	1.00000	0.10	0.00021
DL/KP12-13.1.0-1	Z12/Z13	1	0	0.01418	1.00000	1.00000	0.10	0.00142
DL/KP12-13.2.0-1	Z12/Z13	2	0	0.00676	1.00000	1.00000	0.10	0.00068
DL/KP12-13.0.0-1	Z12/Z13	0	0	0.00207	1.00000	1.00000	0.10	0.00021
DL/KP13-14.1.0-1	Z13/Z14	1	0	0.01262	1.00000	1.00000	0.10	0.00126
DL/KP13-14.2.0	Z13/Z14	2	0	0.00072	1.00000	1.00000	0.10	0.00007
DL/KP13-14.3.0	Z13/Z14	3	0	0.00526	1.00000	1.00000	0.10	0.00053
DL/KP13-14.0.0	Z13/Z14	0	0	0.00179	1.00000	1.00000	0.10	0.00018
DL/KP14-15.1.0-1	Z14/Z15	1	0	0.01159	1.00000	1.00000	0.10	0.00116
DL/KP14-15.2.0	Z14/Z15	2	0	0.00130	1.00000	1.00000	0.10	0.00013
DL/KP14-15.0.0	Z14/Z15	0	0	0.00470	1.00000	1.00000	0.10	0.00047
DL/KP15-16.1.0	Z15/Z16	1	0	0.00917	1.00000	1.00000	0.10	0.00092
DL/KP15-16.2.0-1	Z15/Z16	2	0	0.00174	1.00000	1.00000	0.10	0.00017
DL/KP15-16.3.0	Z15/Z16	3	0	0.00382	1.00000	1.00000	0.10	0.00038
DL/KP15-16.4.0	Z15/Z16	4	0	0.00002	1.00000	1.00000	0.10	0.00000
DL/KP16-17.1.0	Z16/Z17	1	0	0.01022	1.00000	1.00000	0.10	0.00102
DL/KP16-17.2.0	Z16/Z17	2	0	0.00035	1.00000	1.00000	0.10	0.00003
DL/KP16-17.3.0	Z16/Z17	3	0	0.00463	1.00000	0.98286	0.10	0.00046
DL/KP16-17.4.0	Z16/Z17	4	0	0.00192	1.00000	0.94696	0.10	0.00018
DL/KP16-17.5.0	Z16/Z17	5	0	0.00003	1.00000	0.96927	0.10	0.00000

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DL/KP17-18.1.0	Z17/Z18	1	0	0.01244	1.00000	1.00000	0.10	0.00124
DL/KP17-18.2.0	Z17/Z18	2	0	0.00109	1.00000	1.00000	0.10	0.00011
DL/KP17-18.3.0	Z17/Z18	3	0	0.00465	1.00000	1.00000	0.10	0.00047
DL/KP17-18.4.0	Z17/Z18	4	0	0.00203	1.00000	1.00000	0.10	0.00020
DL/KP17-18.5.0	Z17/Z18	5	0	0.00279	1.00000	1.00000	0.10	0.00028
DL/KP18-19.1.0-1	Z18/Z19	1	0	0.01096	1.00000	1.00000	0.10	0.00110
DL/KP18-19.2.0-1	Z18/Z19	2	0	0.00505	1.00000	1.00000	0.10	0.00051
DL/KP18-19.3.0-1	Z18/Z19	3	0	0.00415	1.00000	1.00000	0.10	0.00041
DL/KP18-19.4.0-1	Z18/Z19	4	0	0.00000	1.00000	1.00000	0.10	0.00000
DL/KP19-20.0.0-1	Z19/Z20	0	0	0.01497	1.00000	1.00000	0.10	0.00150
DL/KP20-21.0.0-1	Z20/Z21	0	0	0.01497	1.00000	1.00000	0.10	0.00150
DL/KP21-22.0.0-1	Z21/Z22	0	0	0.02740	1.00000	1.00000	0.10	0.00274
DL/KP1-3.1.0-1	Z1/Z2/Z3	1	0	0.00235	1.00000	1.00000	0.10	0.00023
DL/KP1-3.0.0	Z1/Z2/Z3	0	0	0.00697	1.00000	1.00000	0.10	0.00070
DL/KP2-4.1.0	Z2/Z3/Z4	1	0	0.00276	1.00000	1.00000	0.10	0.00028
DL/KP2-4.2.0	Z2/Z3/Z4	2	0	0.00563	1.00000	1.00000	0.10	0.00056
DL/KP2-4.0.0	Z2/Z3/Z4	0	0	0.00256	1.00000	0.91892	0.10	0.00024
DL/KP3-5.1.0-2	Z3/Z4/Z5	1	0	0.00479	1.00000	1.00000	0.10	0.00048
DL/KP3-5.2.0-2	Z3/Z4/Z5	2	0	0.00158	1.00000	0.78320	0.10	0.00012
DL/KP3-5.3.0	Z3/Z4/Z5	3	0	0.00187	1.00000	0.76466	0.10	0.00014
DL/KP3-5.0.0	Z3/Z4/Z5	0	0	0.00252	1.00000	0.44638	0.10	0.00011
DL/KP4-6.1.0-1	Z4/Z5/Z6	1	0	0.00366	1.00000	0.87692	0.10	0.00032
DL/KP5-7.1.0-2	Z5/Z6/Z7	1	0	0.00491	1.00000	0.84511	0.10	0.00042
DL/KP6-8.1.0	Z6/Z7/Z8	1	0	0.00497	1.00000	1.00000	0.10	0.00050
DL/KP6-8.2.0	Z6/Z7/Z8	2	0	0.00146	1.00000	0.98925	0.10	0.00014
DL/KP6-8.0.0	Z6/Z7/Z8	0	0	0.00196	1.00000	0.97963	0.10	0.00019
DL/KP7-9.1.0	Z7/Z8/Z9	1	0	0.00664	1.00000	1.00000	0.10	0.00066
DL/KP7-9.2.0-1	Z7/Z8/Z9	2	0	0.00196	1.00000	0.88915	0.10	0.00017
DL/KP7-9.3.0-1	Z7/Z8/Z9	3	0	0.00139	1.00000	0.85473	0.10	0.00012
DL/KP7-9.0.0	Z7/Z8/Z9	0	0	0.00123	1.00000	0.99776	0.10	0.00012
DL/KP8-10.1.0-1	Z8/Z9/Z10	1	0	0.00509	1.00000	1.00000	0.10	0.00051
DL/KP8-10.2.0-1	Z8/Z9/Z10	2	0	0.00150	1.00000	0.71593	0.10	0.00011
DL/KP8-10.3.0-1	Z8/Z9/Z10	3	0	0.00107	1.00000	0.70751	0.10	0.00008
DL/KP8-10.0.0	Z8/Z9/Z10	0	0	0.00094	1.00000	1.00000	0.10	0.00009
DL/KP9-11.1.0-1	Z9/Z10/Z11	1	0	0.00637	1.00000	0.21459	0.10	0.00014
DL/KP9-11.0.0-1	Z9/Z10/Z11	0	0	0.00118	1.00000	0.14705	0.10	0.00002
DL/KP13-15.1.0	Z13/Z14/Z15	1	0	0.00637	1.00000	0.96890	0.10	0.00062
DL/KP13-15.2.0	Z13/Z14/Z15	2	0	0.00036	1.00000	0.30596	0.10	0.00001
DL/KP13-15.3.0	Z13/Z14/Z15	3	0	0.00077	1.00000	0.10278	0.10	0.00001
DL/KP14-16.1.0-1	Z14/Z15/Z16	1	0	0.00503	1.00000	1.00000	0.10	0.00050
DL/KP14-16.2.0	Z14/Z15/Z16	2	0	0.00036	1.00000	1.00000	0.10	0.00004
DL/KP14-16.3.0	Z14/Z15/Z16	3	0	0.00062	1.00000	1.00000	0.10	0.00006
DL/KP14-16.4.0	Z14/Z15/Z16	4	0	0.00258	1.00000	1.00000	0.10	0.00026
DL/KP14-16.5.0	Z14/Z15/Z16	5	0	0.00002	1.00000	1.00000	0.10	0.00000
DL/KP15-17.1.0	Z15/Z16/Z17	1	0	0.00708	1.00000	1.00000	0.10	0.00071
DL/KP15-17.2.0	Z15/Z16/Z17	2	0	0.00024	1.00000	0.71822	0.10	0.00002
DL/KP15-17.3.0-1	Z15/Z16/Z17	3	0	0.00142	1.00000	0.55549	0.10	0.00008
DL/KP15-17.4.0	Z15/Z16/Z17	4	0	0.00199	1.00000	0.45313	0.10	0.00009
DL/KP15-17.5.0	Z15/Z16/Z17	5	0	0.00177	1.00000	0.64826	0.10	0.00011
DL/KP15-17.6.0	Z15/Z16/Z17	6	0	0.00004	1.00000	0.79299	0.10	0.00000
DL/KP16-18.1.0	Z16/Z17/Z18	1	0	0.00413	1.00000	0.89310	0.10	0.00037
DL/KP16-18.2.0	Z16/Z17/Z18	2	0	0.00036	1.00000	0.05411	0.10	0.00000
DL/KP16-18.3.0	Z16/Z17/Z18	3	0	0.00015	1.00000	0.05411	0.10	0.00000
DL/KP17-19.1.0-1	Z17/Z18/Z19	1	0	0.00486	1.00000	1.00000	0.10	0.00049
DL/KP17-19.2.0-1	Z17/Z18/Z19	2	0	0.00042	1.00000	0.70882	0.10	0.00003
DL/KP17-19.3.0-1	Z17/Z18/Z19	3	0	0.00186	1.00000	0.70882	0.10	0.00013
DL/KP17-19.4.0	Z17/Z18/Z19	4	0	0.00086	1.00000	0.70946	0.10	0.00006

CASE	ZONE	IB	IHU	PFAC	VFAC	SFAC	WCOEF	W*P*V*S
DL/KP17-19.5.0	Z17/Z18/Z19	5	0	0.00134	1.00000	0.70946	0.10	0.00010
DL/KP18-20.1.0-1	Z18/Z19/Z20	1	0	0.00486	1.00000	1.00000	0.10	0.00049
DL/KP18-20.2.0-1	Z18/Z19/Z20	2	0	0.00228	1.00000	1.00000	0.10	0.00023
DL/KP18-20.3.0-1	Z18/Z19/Z20	3	0	0.00221	1.00000	1.00000	0.10	0.00022
DL/KP18-20.4.0	Z18/Z19/Z20	4	0	0.00000	1.00000	0.98032	0.10	0.00000
DL/KP19-21.0.0-1	Z19/Z20/Z21	0	0	0.01136	1.00000	1.00000	0.10	0.00114
DL/KP20-22.0.0-1	Z20/Z21/Z22	0	0	0.01143	1.00000	1.00000	0.10	0.00114

DETAILED LIST OF DRAUGHT, TRIM, HEEL, GM, FREEBOARD AND S VALUES

NOTE! One line per case corresponding the stage and phase giving the minimum s

CASE = Initial/Damage case - worst phase or stage giving minimum s
STAGE = Intermediate flooding stage
PHASE = Intermediate filling phase
SIDE = Floating position P- or S-side
T = Moulded draught
TR = Trim (+ bow/ - stern)
HEEL = List (+ port / - starboard)
GMACT = Actual GM at equilibrium
F = Freeboard in middle of damaged zone
S = "s" - factor

PROBABILISTIC DAMAGE STABILITY

CASE	STAGE	PHASE	SIDE	T	TR	HEEL	GMACT	F	S
				m	m	degree	m	m	
DS/KS1.1.0	1	EQ	S	8.80	-0.02	0.0	2.310	2.79	1.00000
DS/KS1.0.0	1	EQ	S	8.80	-0.04	-0.1	2.255	2.75	1.00000
DS/KS2.1.0	1	EQ	S	8.81	-0.06	-0.6	2.125	2.58	1.00000
DS/KS2.0.0	1	EQ	S	8.88	-0.68	-0.8	2.041	2.14	1.00000
DS/KS3.0.0-1	1	EQ	S	8.88	-0.58	-0.6	1.941	2.25	1.00000
DS/KS4.1.0	2	EQ	S	8.98	-1.12	0.0	2.240	2.06	1.00000
DS/KS4.0.0	2	EQ	S	9.01	-1.28	-0.4	2.290	1.81	1.00000
DS/KS5.1.0-1	1	EQ	S	8.90	-0.50	0.0	1.960	2.45	1.00000
DS/KS5.2.0-1	1	EQ	S	8.96	-0.84	-2.5	1.903	1.55	1.00000
DS/KS5.0.0	1	EQ	S	9.03	-1.20	-3.1	2.024	1.15	1.00000
DS/KS6.0.0	1	EQ	S	9.12	-1.16	-0.1	2.262	1.85	1.00000
DS/KS7.0.0	1	EQ	S	9.15	-0.93	-0.1	2.267	1.94	1.00000
DS/KS8.1.0-1	1	EQ	S	8.99	-0.37	-0.8	2.248	2.16	1.00000
DS/KS8.2.0	1	EQ	S	9.04	-0.47	-1.1	2.354	1.96	1.00000
DS/KS8.0.0	1	EQ	S	9.05	-0.49	-1.3	2.371	1.88	1.00000
DS/KS9.1.0-1	1	EQ	S	8.96	-0.20	-0.6	1.868	2.34	1.00000
DS/KS9.2.0	1	EQ	S	9.06	-0.32	-2.4	2.121	1.58	1.00000
DS/KS9.0.0	1	EQ	S	9.14	-0.40	-2.3	2.218	1.50	1.00000
DS/KS10.1.0-1	1	EQ	S	9.03	-0.10	0.0	1.872	2.51	1.00000
DS/KS10.2.0	1	EQ	S	9.12	-0.15	-1.3	2.063	1.99	1.00000
DS/KS10.0.0	1	EQ	S	9.17	-0.18	-1.3	2.150	1.91	1.00000
DS/KS11.1.0-1	1	EQ	S	9.10	0.09	0.0	1.735	2.54	1.00000
DS/KS11.2.0	1	EQ	S	9.26	0.20	-0.5	2.060	2.27	1.00000
DS/KS11.0.0	1	EQ	S	9.29	0.21	-0.9	2.111	2.14	1.00000
DS/KS12.1.0-1	1	EQ	S	9.13	0.32	0.0	1.769	2.63	1.00000
DS/KS12.2.0	1	EQ	S	9.36	0.58	-2.5	2.109	1.71	1.00000
DS/KS12.0.0	1	EQ	S	9.48	0.74	-2.3	2.288	1.73	1.00000
DS/KS13.1.0-1	1	EQ	S	9.15	0.59	0.0	1.728	2.74	1.00000
DS/KS13.2.0	1	EQ	S	9.38	0.85	-2.6	2.081	1.82	1.00000
DS/KS13.0.0	1	EQ	S	9.51	1.02	-2.4	2.260	1.84	1.00000
DS/KS14.1.0-1	1	EQ	S	9.06	0.58	0.0	1.759	2.82	1.00000
DS/KS14.0.0	1	EQ	S	9.35	1.43	-0.7	2.050	2.74	1.00000
DS/KS15.1.0-1	1	EQ	S	9.14	0.91	0.0	1.823	2.91	1.00000
DS/KS15.0.0	1	EQ	S	9.48	1.93	-1.0	1.446	2.77	1.00000
DS/KS16.1.0	1	EQ	S	9.05	0.76	0.0	1.922	2.93	1.00000
DS/KS16.2.0	1	EQ	S	9.10	0.93	-0.7	1.955	2.72	1.00000
DS/KS16.3.0	1	EQ	S	9.15	1.09	0.0	1.987	2.99	1.00000
DS/KS17.1.0	1	EQ	S	9.04	0.86	0.0	1.628	2.99	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DS/KS17.2.0	1	EQ	S	9.12	1.20	-1.9	1.668	2.46	1.00000
DS/KS17.3.0	1	EQ	S	9.31	1.92	-1.8	1.760	2.66	1.00000
DS/KS18.1.0	1	EQ	S	9.01	0.87	0.0	1.843	3.02	1.00000
DS/KS18.2.0	1	EQ	S	9.09	1.21	-1.7	1.870	2.56	1.00000
DS/KS18.3.0	1	EQ	S	9.28	1.95	-1.7	1.941	2.76	1.00000
DS/KS18.4.0	1	EQ	S	9.38	2.27	0.0	1.943	3.36	1.00000
DS/KS19.0.0-1	1	EQ	S	8.91	0.48	0.0	2.154	2.93	1.00000
DS/KS20.0.0-1	1	EQ	S	8.86	0.30	0.0	2.338	2.89	1.00000
DS/KS21.0.0-1	1	EQ	S	8.84	0.19	0.0	2.394	2.86	1.00000
DS/KS22.0.0	1	EQ	S	8.86	0.33	0.0	2.422	2.90	1.00000
DS/KS1-2.1.0	1	EQ	S	8.81	-0.11	-0.7	1.937	2.50	1.00000
DS/KS1-2.0.0	1	EQ	S	8.89	-0.81	-1.1	1.732	1.95	1.00000
DS/KS2-3.1.0	1	EQ	S	8.95	-1.15	-1.6	1.772	1.56	1.00000
DS/KS2-3.0.0	1	EQ	S	9.04	-1.97	-1.9	1.600	0.95	1.00000
DS/KS3-4.1.0-1	2	EQ	S	9.09	-1.88	-0.4	1.713	1.44	1.00000
DS/KS3-4.0.0-1	2	EQ	S	9.12	-2.07	-1.0	1.718	1.14	1.00000
DS/KS4-5.1.0	2	EQ	S	9.15	-1.92	0.0	1.796	1.49	1.00000
DS/KS4-5.2.0	2	EQ	S	9.32	-2.75	0.0	1.621	0.89	0.98898
DS/KS4-5.3.0	2	EQ	S	9.36	-2.92	-0.9	1.626	0.48	1.00000
DS/KS4-5.0.0	2	EQ	S	9.38	-3.11	-1.6	1.616	0.15	1.00000
DS/KS5-6.1.0	1	EQ	S	9.29	-1.95	-0.2	1.771	1.28	1.00000
DS/KS5-6.2.0	2	EQ	S	9.47	-2.78	-0.2	1.565	0.68	1.00000
DS/KS5-6.0.0	2	EQ	S	9.50	-2.94	-1.2	1.576	0.24	1.00000
DS/KS6-7.0.0	1	EQ	S	9.52	-2.21	-0.3	1.886	0.87	1.00000
DS/KS7-8.1.0	1	EQ	S	9.40	-1.42	-1.2	2.062	1.09	1.00000
DS/KS7-8.2.0	1	EQ	S	9.42	-1.45	-1.6	2.079	0.95	1.00000
DS/KS7-8.0.0	1	EQ	S	9.43	-1.47	-1.8	2.088	0.86	1.00000
DS/KS8-9.1.0-1	1	EQ	S	9.17	-0.59	-1.9	1.705	1.53	1.00000
DS/KS8-9.2.0	1	EQ	S	9.32	-0.83	-4.1	1.957	0.53	1.00000
DS/KS8-9.3.0	1	EQ	S	9.33	-0.86	-4.3	1.965	0.44	1.00000
DS/KS8-9.0.0	1	EQ	S	9.41	-0.94	-4.1	2.062	0.38	1.00000
DS/KS9-10.1.0-1	1	EQ	S	9.21	-0.32	-0.8	1.312	1.97	1.00000
DS/KS9-10.2.0	1	EQ	S	9.38	-0.48	-3.9	1.666	0.73	1.00000
DS/KS9-10.0.0	1	EQ	S	9.49	-0.57	-3.7	1.772	0.64	0.99133
DS/KS10-11.1.0-1	1	EQ	S	9.36	-0.01	0.1	1.233	2.20	1.00000
DS/KS10-11.2.0	1	EQ	S	9.62	0.04	-2.2	1.662	1.28	1.00000
DS/KS10-11.3.0	1	EQ	S	9.64	0.05	-2.6	1.722	1.14	1.00000
DS/KS10-11.0.0	1	EQ	S	9.70	0.01	-2.6	1.795	1.08	1.00000
DS/KS11-12.1.0-1	1	EQ	S	9.47	0.43	0.0	1.142	2.33	1.00000
DS/KS11-12.2.0	1	EQ	S	9.72	0.68	-4.1	1.597	0.88	0.96467
DS/KS11-12.3.0	1	EQ	S	9.74	0.69	-4.5	1.624	0.75	0.95350
DS/KS11-12.0.0	1	EQ	S	9.87	0.84	-4.0	1.771	0.83	0.93912
DS/KS12-13.1.0-1	1	EQ	S	9.53	0.96	0.0	1.118	2.55	1.00000
DS/KS12-13.2.0	1	EQ	S	9.76	1.23	-3.6	1.437	1.27	1.00000
DS/KS12-13.0.0	1	EQ	S	9.89	1.39	-3.2	1.628	1.35	1.00000
DS/KS13-14.1.0-1	1	EQ	S	9.46	1.24	0.1	1.140	2.74	1.00000
DS/KS13-14.2.0	1	EQ	S	9.95	2.25	-3.0	1.749	1.79	1.00000
DS/KS13-14.3.0	1	EQ	S	9.99	2.37	-3.7	1.821	1.59	0.99942
DS/KS13-14.0.0	1	EQ	S	10.12	2.53	-3.4	2.003	1.65	0.99150
DS/KS14-15.1.0	1	EQ	S	9.70	2.35	0.1	1.454	3.05	0.96363
DS/KS14-15.2.0	1	EQ	S	9.75	2.47	-0.9	1.531	2.80	0.93494
DS/KS14-15.0.0	1	EQ	S	9.83	2.73	-1.5	0.891	2.64	1.00000
DS/KS15-16.1.0-1	1	EQ	S	9.43	1.80	0.0	1.370	3.06	1.00000
DS/KS15-16.2.0-1	1	EQ	S	9.48	1.98	-1.0	1.414	2.78	1.00000
DS/KS15-16.3.0	1	EQ	S	9.53	2.11	-1.9	1.493	2.50	1.00000
DS/KS15-16.4.0	1	EQ	S	9.59	2.28	-0.9	1.520	2.84	1.00000
DS/KS16-17.1.0	1	EQ	S	9.35	1.82	0.0	1.116	3.16	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DS/KS16-17.2.0	1	EQ	S	9.42	2.18	-2.7	1.207	2.38	0.95536
DS/KS16-17.3.0	1	EQ	S	9.47	2.38	-3.8	1.286	2.09	0.91943
DS/KS16-17.4.0	1	EQ	S	9.67	3.13	-3.5	1.394	2.36	0.85604
DS/KS16-17.5.0	1	EQ	S	9.74	3.31	-2.4	1.380	2.75	0.86306
DS/KS17-18.1.0	1	EQ	S	9.33	2.04	0.0	0.973	3.29	1.00000
DS/KS17-18.2.0	1	EQ	S	9.41	2.46	-3.1	1.075	2.40	1.00000
DS/KS17-18.3.0	1	EQ	S	9.41	2.46	-3.1	1.075	2.40	1.00000
DS/KS17-18.4.0	1	EQ	S	9.63	3.30	-2.9	1.102	2.67	1.00000
DS/KS17-18.5.0	1	EQ	S	9.63	3.30	-2.9	1.102	2.67	1.00000
DS/KS18-19.1.0-1	1	EQ	S	9.17	1.57	0.0	1.505	3.22	1.00000
DS/KS18-19.2.0-1	1	EQ	S	9.26	1.98	-2.1	1.534	2.65	1.00000
DS/KS18-19.3.0-1	1	EQ	S	9.47	2.84	-2.0	1.577	2.89	1.00000
DS/KS18-19.4.0-1	1	EQ	S	9.58	3.21	0.0	1.578	3.63	1.00000
DS/KS19-20.0.0-1	1	EQ	S	8.99	0.87	0.0	2.054	3.05	1.00000
DS/KS20-21.0.0-1	1	EQ	S	8.91	0.53	0.0	2.315	2.96	1.00000
DS/KS21-22.0.0-1	1	EQ	S	8.90	0.54	0.0	2.402	2.97	1.00000
DS/KS1-3.1.0	1	EQ	S	8.96	-1.35	-2.4	1.412	1.20	1.00000
DS/KS1-3.0.0	1	EQ	S	9.06	-2.32	-3.3	1.199	0.32	1.00000
DS/KS2-4.1.0	2	EQ	S	9.17	-2.58	-2.4	1.391	0.37	1.00000
DS/KS2-4.2.0	2	EQ	S	9.28	-3.70	-3.5	1.057	-0.66	0.84443
DS/KS2-4.0.0	2	EQ	S	9.30	-3.97	-4.6	1.038	-1.19	0.24514
DS/KS3-5.1.0-2	2	EQ	S	9.22	-2.60	-0.4	1.118	0.94	1.00000
DS/KS4-6.1.0-1	2	EQ	S	9.37	-2.71	0.0	1.124	0.86	0.98549
DS/KS5-7.1.0	1	EQ	S	9.72	-3.13	-0.5	1.191	0.15	0.93788
DS/KS5-7.2.0	2	EQ	S	9.94	-4.17	-0.6	1.003	-0.63	0.83522
DS/KS5-7.0.0	2	EQ	S	9.98	-4.36	-2.0	1.149	-1.21	0.11577
DS/KS6-8.1.0	1	EQ	S	9.80	-2.82	-2.1	1.562	-0.30	0.98056
DS/KS6-8.2.0	1	EQ	S	9.82	-2.85	-2.6	1.579	-0.48	0.97066
DS/KS6-8.0.0	1	EQ	S	9.83	-2.89	-2.8	1.589	-0.59	0.96393
DS/KS7-9.1.0-1	1	EQ	S	9.49	-1.42	-2.8	1.211	0.49	1.00000
DS/KS7-9.2.0	1	EQ	S	9.71	-1.93	-5.6	1.560	-0.92	0.95225
DS/KS7-9.3.0	1	EQ	S	9.72	-1.96	-5.9	1.583	-1.03	0.94563
DS/KS7-9.0.0	1	EQ	S	9.81	-2.05	-5.6	1.668	-1.08	0.93926
DS/KS8-10.1.0	1	EQ	S	9.58	-0.89	-2.6	1.306	0.74	0.98948
DS/KS8-10.2.0	1	EQ	S	9.63	-1.05	-6.5	1.474	-0.69	0.89407
DS/KS8-10.3.0	1	EQ	S	9.64	-1.08	-6.7	1.491	-0.80	0.88494
DS/KS8-10.0.0	1	EQ	S	9.76	-1.18	-6.4	1.611	-0.85	0.86590
DS/KS9-11.1.0-1	1	EQ	S	9.56	-0.24	-1.6	0.647	1.41	1.00000
DS/KS9-11.2.0	1	EQ	S	9.89	-0.34	-6.0	1.333	-0.44	0.96502
DS/KS9-11.3.0	1	EQ	S	9.91	-0.34	-6.4	1.370	-0.60	0.95571
DS/KS9-11.0.0	1	1	S	9.29	-0.05	-3.5	0.462	1.13	0.37603
DS/KS10-12.1.0	1	EQ	S	9.97	0.42	0.1	0.961	1.80	0.99135
DS/KS10-12.2.0	1	EQ	S	10.04	0.49	-7.8	1.214	-0.78	0.90924
DS/KS10-12.3.0	1	EQ	S	10.06	0.49	-8.1	1.256	-0.92	0.87772
DS/KS10-12.0.0	1	EQ	S	10.29	0.60	-6.9	1.443	-0.67	0.95091
DS/KS11-13.1.0	1	EQ	S	10.07	1.21	0.1	0.776	2.12	0.98731
DS/KS11-13.2.0	1	EQ	S	10.11	1.35	-7.0	0.919	-0.16	0.80125
DS/KS11-13.3.0	1	EQ	S	10.12	1.35	-7.5	0.957	-0.33	0.65950
DS/KS11-13.0.0	1	EQ	S	10.29	1.52	-6.3	1.116	-0.03	0.78345
DS/KS12-14.1.0-1	1	EQ	S	9.88	1.67	0.1	0.566	2.51	1.00000
DS/KS12-14.2.0	1	EQ	S	10.37	2.68	-4.4	1.155	1.11	0.94866
DS/KS12-14.3.0	1	EQ	S	10.41	2.79	-5.4	1.224	0.83	0.92342
DS/KS12-14.0.0	1	EQ	S	10.56	2.95	-4.6	1.421	1.00	0.91967
DS/KS13-15.1.0	1	EQ	S	10.33	3.25	0.1	1.139	2.87	0.78347
DS/KS13-15.4.0-1	1	EQ	S	9.88	2.84	-9.6	0.798	-0.06	0.71260
DS/KS14-16.1.0-1	1	EQ	S	9.78	2.59	0.1	0.806	3.07	1.00000
DS/KS14-16.2.0-1	1	EQ	S	9.83	2.78	-1.6	0.860	2.65	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DS/KS14-16.3.0	1	EQ	S	9.88	2.92	-3.0	0.948	2.21	1.00000
DS/KS14-16.4.0	1	EQ	S	9.88	2.92	-3.0	0.948	2.21	1.00000
DS/KS14-16.5.0	1	EQ	S	9.95	3.08	-1.4	0.973	2.74	1.00000
DS/KS15-17.1.0-1	1	EQ	S	9.81	3.12	0.1	0.575	3.33	1.00000
DS/KS15-17.2.0-1	1	EQ	S	9.86	3.52	-4.6	0.847	2.00	0.98598
DS/KS15-17.3.0-1	1	EQ	S	9.89	3.72	-5.9	1.027	1.64	0.95363
DS/KS15-17.4.0	1	EQ	S	9.93	3.88	-6.7	1.170	1.39	0.92720
DS/KS16-18.1.0	1	EQ	S	9.72	3.32	0.0	0.452	3.54	0.91615
DS/KS16-18.2.0	1	EQ	S	9.76	3.80	-5.6	0.657	1.88	0.12069
DS/KS16-18.3.0	1	EQ	S	9.76	3.80	-5.6	0.657	1.88	0.12069
DS/KS17-19.1.0	1	EQ	S	9.71	3.75	0.0	0.598	3.77	0.97895
DS/KS18-20.1.0-1	1	EQ	S	9.30	2.19	0.0	1.346	3.40	1.00000
DS/KS18-20.2.0	1	EQ	S	9.59	3.61	-2.3	1.396	3.06	0.93434
DS/KS19-21.0.0-1	1	EQ	S	9.05	1.17	0.0	2.008	3.14	1.00000
DS/KS20-22.0.0-1	1	EQ	S	8.98	0.92	0.0	2.310	3.08	1.00000
DP/KS1.1.0	1	EQ	S	8.52	-0.00	0.0	2.244	3.08	1.00000
DP/KS1.0.0	1	EQ	S	8.52	-0.01	-0.0	2.195	3.06	1.00000
DP/KS2.1.0	1	EQ	S	8.52	-0.05	-0.5	1.992	2.90	1.00000
DP/KS2.0.0	1	EQ	S	8.59	-0.63	-0.7	1.896	2.48	1.00000
DP/KS3.0.0-1	1	EQ	S	8.59	-0.54	-0.7	1.907	2.52	1.00000
DP/KS4.1.0	2	EQ	S	8.70	-1.09	0.0	2.146	2.36	1.00000
DP/KS4.0.0	2	EQ	S	8.72	-1.26	-0.5	2.211	2.09	1.00000
DP/KS5.1.0-1	1	EQ	S	8.62	-0.49	0.0	1.821	2.74	1.00000
DP/KS5.2.0-1	1	EQ	S	8.67	-0.82	-2.6	1.796	1.81	1.00000
DP/KS5.0.0	1	EQ	S	8.74	-1.18	-3.3	1.943	1.39	1.00000
DP/KS6.0.0	1	EQ	S	8.83	-1.15	-0.1	2.184	2.15	1.00000
DP/KS7.0.0	1	EQ	S	8.86	-0.92	-0.2	2.180	2.23	1.00000
DP/KS8.1.0-1	1	EQ	S	8.70	-0.37	-0.8	2.127	2.45	1.00000
DP/KS8.2.0	1	EQ	S	8.76	-0.47	-1.1	2.249	2.25	1.00000
DP/KS8.0.0	1	EQ	S	8.77	-0.49	-1.3	2.270	2.16	1.00000
DP/KS9.1.0-1	1	EQ	S	8.67	-0.20	-0.6	1.846	2.63	1.00000
DP/KS9.2.0	1	EQ	S	8.77	-0.31	-2.6	2.036	1.83	1.00000
DP/KS9.0.0	1	EQ	S	8.85	-0.39	-2.5	2.168	1.75	1.00000
DP/KS10.1.0-1	1	EQ	S	8.74	-0.10	0.0	1.831	2.80	1.00000
DP/KS10.2.0	1	EQ	S	8.83	-0.15	-1.4	1.975	2.24	1.00000
DP/KS10.0.0	1	EQ	S	8.88	-0.18	-1.4	2.067	2.17	1.00000
DP/KS11.1.0-1	1	EQ	S	8.80	0.08	0.0	1.800	2.83	1.00000
DP/KS11.2.0	1	EQ	S	8.97	0.20	-0.6	1.982	2.55	1.00000
DP/KS11.0.0	1	EQ	S	9.00	0.20	-0.9	2.038	2.41	1.00000
DP/KS12.1.0-1	1	EQ	S	8.84	0.31	0.0	1.594	2.92	1.00000
DP/KS12.2.0	1	EQ	S	9.06	0.57	-2.8	1.978	1.91	1.00000
DP/KS12.0.0	1	EQ	S	9.19	0.73	-2.6	2.162	1.94	1.00000
DP/KS13.1.0-1	1	EQ	S	8.86	0.57	0.0	1.538	3.03	1.00000
DP/KS13.2.0	1	EQ	S	9.08	0.84	-2.9	1.945	2.00	1.00000
DP/KS13.0.0	1	EQ	S	9.21	1.01	-2.6	2.128	2.04	1.00000
DP/KS14.1.0-1	1	EQ	S	8.77	0.56	0.0	1.722	3.10	1.00000
DP/KS14.0.0	1	EQ	S	9.06	1.43	-0.8	1.861	3.01	1.00000
DP/KS15.1.0-1	1	EQ	S	8.84	0.89	0.0	1.691	3.20	1.00000
DP/KS15.0.0	1	EQ	S	9.17	1.89	-1.2	1.237	2.99	1.00000
DP/KS16.1.0	1	EQ	S	8.76	0.74	0.0	1.736	3.21	1.00000
DP/KS16.2.0	1	EQ	S	8.81	0.91	-0.9	1.780	2.97	1.00000
DP/KS16.3.0	1	EQ	S	8.86	1.08	0.0	1.800	3.28	1.00000
DP/KS17.1.0	1	EQ	S	8.74	0.81	0.0	1.446	3.26	1.00000
DP/KS17.2.0	1	EQ	S	8.82	1.16	-2.2	1.511	2.64	1.00000
DP/KS17.3.0	1	EQ	S	9.01	1.91	-2.1	1.602	2.87	1.00000
DP/KS18.1.0	1	EQ	S	8.71	0.81	0.0	1.683	3.29	1.00000
DP/KS18.2.0	1	EQ	S	8.79	1.17	-1.9	1.732	2.77	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/KS18.3.0	1	EQ	S	8.99	1.94	-1.8	1.806	2.99	1.00000
DP/KS18.4.0	1	EQ	S	9.08	2.27	0.0	1.821	3.65	1.00000
DP/KS19.0.0-1	1	EQ	S	8.61	0.43	0.0	2.020	3.20	1.00000
DP/KS20.0.0-1	1	EQ	S	8.58	0.28	0.0	2.181	3.16	1.00000
DP/KS21.0.0-1	1	EQ	S	8.55	0.17	0.0	2.236	3.13	1.00000
DP/KS22.0.0	1	EQ	S	8.58	0.34	0.0	2.258	3.19	1.00000
DP/KS1-2.1.0	1	EQ	S	8.53	-0.07	-0.6	1.897	2.86	1.00000
DP/KS1-2.0.0	1	EQ	S	8.60	-0.71	-0.9	1.677	2.36	1.00000
DP/KS2-3.1.0	1	EQ	S	8.66	-1.10	-1.6	1.718	1.87	1.00000
DP/KS2-3.0.0	1	EQ	S	8.74	-1.87	-2.0	1.541	1.29	1.00000
DP/KS3-4.1.0-1	2	EQ	S	8.79	-1.80	-0.6	1.631	1.73	1.00000
DP/KS3-4.0.0-1	2	EQ	S	8.82	-1.99	-1.2	1.646	1.42	1.00000
DP/KS4-5.1.0-1	2	EQ	S	8.81	-1.66	0.0	1.632	1.96	1.00000
DP/KS4-5.2.0	2	EQ	S	9.02	-2.68	0.0	1.615	1.23	1.00000
DP/KS4-5.3.0	2	EQ	S	9.05	-2.84	-1.0	1.627	0.81	1.00000
DP/KS4-5.0.0	2	EQ	S	9.08	-3.03	-1.6	1.616	0.47	1.00000
DP/KS5-6.1.0	1	EQ	S	9.00	-1.92	-0.2	1.724	1.59	1.00000
DP/KS5-6.2.0	2	EQ	S	9.17	-2.71	-0.2	1.580	1.01	1.00000
DP/KS5-6.0.0	2	EQ	S	9.20	-2.87	-1.2	1.581	0.57	1.00000
DP/KS6-7.0.0	1	EQ	S	9.22	-2.17	-0.4	1.867	1.19	1.00000
DP/KS7-8.1.0	1	EQ	S	9.11	-1.39	-1.2	2.010	1.40	1.00000
DP/KS7-8.2.0	1	EQ	S	9.12	-1.42	-1.6	2.029	1.26	1.00000
DP/KS7-8.0.0	1	EQ	S	9.13	-1.44	-1.8	2.040	1.16	1.00000
DP/KS8-9.1.0-1	1	EQ	S	8.87	-0.58	-1.9	1.657	1.83	1.00000
DP/KS8-9.2.0	1	EQ	S	9.02	-0.81	-4.3	1.890	0.79	1.00000
DP/KS8-9.3.0	1	EQ	S	9.03	-0.83	-4.5	1.899	0.70	1.00000
DP/KS8-9.0.0	1	EQ	S	9.11	-0.92	-4.3	2.018	0.64	1.00000
DP/KS9-10.1.0-1	1	EQ	S	8.91	-0.30	-0.9	1.246	2.25	1.00000
DP/KS9-10.2.0	1	EQ	S	9.07	-0.46	-4.1	1.598	0.95	1.00000
DP/KS9-10.0.0	1	EQ	S	9.18	-0.55	-3.9	1.744	0.87	1.00000
DP/KS10-11.1.0-1	1	EQ	S	9.05	-0.02	0.1	1.096	2.50	1.00000
DP/KS10-11.2.0	1	EQ	S	9.31	0.05	-2.4	1.652	1.53	1.00000
DP/KS10-11.3.0	1	EQ	S	9.34	0.05	-2.8	1.697	1.37	1.00000
DP/KS10-11.0.0	1	EQ	S	9.39	0.02	-2.8	1.770	1.32	1.00000
DP/KS11-12.1.0-1	1	EQ	S	9.16	0.41	0.1	0.924	2.63	1.00000
DP/KS11-12.2.0	1	EQ	S	9.40	0.68	-4.6	1.510	1.05	1.00000
DP/KS11-12.3.0	1	EQ	S	9.42	0.69	-4.9	1.538	0.90	1.00000
DP/KS11-12.0.0	1	EQ	S	9.56	0.84	-4.5	1.716	1.00	0.98855
DP/KS12-13.1.0-1	1	EQ	S	9.21	0.92	0.0	0.907	2.85	1.00000
DP/KS12-13.2.0	1	EQ	S	9.43	1.21	-4.3	1.272	1.37	1.00000
DP/KS12-13.0.0	1	EQ	S	9.57	1.37	-3.8	1.470	1.49	1.00000
DP/KS13-14.1.0-1	1	EQ	S	9.14	1.20	0.1	0.893	3.02	1.00000
DP/KS13-14.2.0	1	EQ	S	9.63	2.23	-3.5	1.591	1.94	1.00000
DP/KS13-14.3.0	1	EQ	S	9.67	2.36	-4.3	1.671	1.71	1.00000
DP/KS13-14.0.0	1	EQ	S	9.81	2.52	-3.8	1.874	1.80	1.00000
DP/KS14-15.1.0-1	1	EQ	S	9.13	1.55	0.1	1.006	3.20	1.00000
DP/KS14-15.2.0	1	EQ	S	9.44	2.46	-1.1	1.321	3.04	0.98721
DP/KS14-15.0.0	1	EQ	S	9.50	2.67	-2.2	0.659	2.73	1.00000
DP/KS15-16.1.0	1	EQ	S	9.12	1.76	0.0	1.150	3.35	1.00000
DP/KS15-16.2.0	1	EQ	S	9.18	1.94	-1.2	1.205	3.00	1.00000
DP/KS15-16.3.0	1	EQ	S	9.22	2.08	-2.4	1.329	2.66	1.00000
DP/KS15-16.4.0	1	EQ	S	9.28	2.25	-1.1	1.324	3.08	1.00000
DP/KS16-17.1.0	1	EQ	S	9.03	1.74	0.0	0.917	3.44	1.00000
DP/KS16-17.2.0	1	EQ	S	9.10	2.12	-3.3	1.054	2.47	0.99130
DP/KS16-17.3.0	1	EQ	S	9.14	2.33	-4.6	1.154	2.12	0.95655
DP/KS16-17.4.0	1	EQ	S	9.35	3.11	-4.2	1.233	2.45	0.90720
DP/KS16-17.5.0	1	EQ	S	9.43	3.28	-2.8	1.221	2.90	0.91794

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/KS17-18.1.0	1	EQ	S	9.01	1.92	0.0	0.822	3.56	1.00000
DP/KS17-18.2.0	1	EQ	S	9.08	2.36	-3.8	0.940	2.46	1.00000
DP/KS17-18.3.0	1	EQ	S	9.08	2.36	-3.8	0.940	2.46	1.00000
DP/KS17-18.4.0	1	EQ	S	9.30	3.23	-3.5	1.009	2.78	1.00000
DP/KS17-18.5.0	1	EQ	S	9.30	3.23	-3.5	1.009	2.78	1.00000
DP/KS18-19.1.0-1	1	EQ	S	8.85	1.46	0.0	1.374	3.48	1.00000
DP/KS18-19.2.0-1	1	EQ	S	8.94	1.88	-2.4	1.420	2.83	1.00000
DP/KS18-19.3.0-1	1	EQ	S	9.16	2.77	-2.3	1.471	3.09	1.00000
DP/KS18-19.4.0-1	1	EQ	S	9.26	3.14	0.0	1.459	3.91	1.00000
DP/KS19-20.0.0-1	1	EQ	S	8.69	0.79	0.0	1.906	3.31	1.00000
DP/KS20-21.0.0-1	1	EQ	S	8.62	0.48	0.0	2.160	3.23	1.00000
DP/KS21-22.0.0-1	1	EQ	S	8.62	0.53	0.0	2.239	3.25	1.00000
DP/KS1-3.1.0	1	EQ	S	8.67	-1.25	-2.3	1.406	1.58	1.00000
DP/KS1-3.0.0	1	EQ	S	8.76	-2.14	-3.2	1.163	0.73	1.00000
DP/KS2-4.1.0	2	EQ	S	8.87	-2.47	-2.4	1.353	0.72	1.00000
DP/KS2-4.2.0	2	EQ	S	8.98	-3.51	-3.4	1.043	-0.22	0.96187
DP/KS2-4.0.0	2	EQ	S	9.00	-3.78	-4.5	1.001	-0.76	0.92716
DP/KS3-5.1.0-2	2	EQ	S	8.92	-2.48	-0.6	1.058	1.23	1.00000
DP/KS3-5.2.0	2	EQ	S	9.25	-4.31	-0.1	0.782	0.15	0.96438
DP/KS3-5.3.0	2	EQ	S	9.28	-4.52	-2.0	0.853	-0.60	0.86516
DP/KS3-5.0.0	2	EQ	S	9.31	-4.76	-3.2	0.913	-1.12	0.19754
DP/KS4-6.1.0	2	EQ	S	9.23	-3.32	-0.2	1.239	0.64	1.00000
DP/KS4-6.2.0-1	2	EQ	S	9.26	-3.55	0.1	0.808	0.54	0.93639
DP/KS4-6.3.0	2	EQ	S	9.48	-4.54	-2.0	0.957	-0.80	0.84704
DP/KS4-6.0.0	2	EQ	S	9.51	-4.76	-3.1	1.013	-1.29	0.29673
DP/KS5-7.1.0	1	EQ	S	9.41	-3.05	-0.5	1.234	0.50	0.99858
DP/KS5-7.2.0	2	EQ	S	9.62	-4.02	-0.7	0.927	-0.26	0.91978
DP/KS5-7.0.0	2	EQ	S	9.65	-4.22	-2.3	1.061	-0.91	0.86766
DP/KS6-8.1.0	1	EQ	S	9.49	-2.74	-2.1	1.542	0.07	1.00000
DP/KS6-8.2.0	1	EQ	S	9.51	-2.78	-2.5	1.557	-0.11	0.99911
DP/KS6-8.0.0	1	EQ	S	9.52	-2.81	-2.8	1.564	-0.23	0.99269
DP/KS7-9.1.0-1	1	EQ	S	9.17	-1.37	-2.9	1.165	0.80	1.00000
DP/KS7-9.2.0	1	EQ	S	9.40	-1.87	-5.8	1.500	-0.65	0.97779
DP/KS7-9.3.0	1	EQ	S	9.41	-1.90	-6.1	1.514	-0.76	0.97137
DP/KS7-9.0.0	1	EQ	S	9.50	-1.99	-5.8	1.619	-0.80	0.96603
DP/KS8-10.1.0-1	1	EQ	S	9.12	-0.70	-3.1	1.067	1.13	1.00000
DP/KS8-10.2.0	1	EQ	S	9.31	-1.01	-6.8	1.381	-0.48	0.95085
DP/KS8-10.3.0	1	EQ	S	9.32	-1.04	-7.1	1.397	-0.59	0.93698
DP/KS8-10.0.0	1	EQ	S	9.44	-1.14	-6.7	1.541	-0.61	0.92737
DP/KS9-11.1.0-1	1	EQ	S	9.24	-0.23	-2.0	0.655	1.61	1.00000
DP/KS9-11.2.0	1	EQ	S	9.56	-0.31	-6.5	1.296	-0.25	0.98375
DP/KS9-11.3.0	1	EQ	S	9.58	-0.31	-6.9	1.305	-0.41	0.97445
DP/KS9-11.0.0	1	EQ	S	9.70	-0.40	-6.4	1.400	-0.43	0.97172
DP/KS10-12.1.0-1	1	EQ	S	9.43	0.32	0.3	0.430	2.23	1.00000
DP/KS10-12.2.0-1	1	EQ	S	9.41	0.40	-7.6	0.592	-0.13	0.54086
DP/KS10-12.3.0-1	1	EQ	S	9.42	0.40	-8.4	0.617	-0.40	0.49265
DP/KS10-12.0.0	1	EQ	S	9.95	0.62	-7.6	1.394	-0.57	0.92743
DP/KS11-13.1.0-1	1	EQ	S	9.58	1.05	0.2	0.302	2.49	0.90179
DP/KS11-13.2.0-1	1	EQ	S	9.52	1.17	-8.1	0.399	-0.02	0.44812
DP/KS11-13.3.0-1	1	EQ	S	9.51	1.18	-9.1	0.431	-0.36	0.38708
DP/KS11-13.0.0-1	1	EQ	S	9.65	1.28	-7.4	0.553	0.13	0.79871
DP/KS12-14.1.0-1	1	EQ	S	9.55	1.61	0.3	0.316	2.77	0.95329
DP/KS12-14.2.0-1	1	EQ	S	9.50	1.77	-7.5	0.480	0.49	0.53699
DP/KS12-14.3.0-1	1	EQ	S	9.50	1.77	-7.5	0.480	0.49	0.53699
DP/KS12-14.0.0	1	EQ	S	10.21	2.94	-5.6	1.255	1.02	0.93487
DP/KS13-15.1.0	1	EQ	S	10.00	3.20	0.1	0.884	3.15	0.87075
DP/KS13-15.2.0	1	EQ	S	10.06	3.38	-4.9	1.283	1.63	0.22360

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/KS13-15.4.0-1	1	EQ	S	9.45	2.82	-11.9	0.753	-0.44	0.35309
DP/KS13-15.0.0-1	1	EQ	S	9.59	2.91	-10.6	0.763	-0.08	0.64724
DP/KS14-16.1.0-1	1	EQ	S	9.46	2.52	0.2	0.557	3.34	1.00000
DP/KS14-16.2.0-1	1	EQ	S	9.50	2.72	-2.3	0.627	2.72	1.00000
DP/KS14-16.3.0	1	EQ	S	9.54	2.87	-4.0	0.871	2.18	1.00000
DP/KS14-16.4.0	1	EQ	S	9.54	2.87	-4.0	0.871	2.18	1.00000
DP/KS14-16.5.0	1	EQ	S	9.62	3.03	-1.9	0.747	2.88	1.00000
DP/KS15-17.1.0	1	EQ	S	9.48	3.02	0.1	0.360	3.60	1.00000
DP/KS15-17.2.0	1	EQ	S	9.50	3.45	-6.2	0.870	1.80	0.98642
DP/KS15-17.3.0-1	1	EQ	S	9.52	3.67	-7.4	1.019	1.45	0.92989
DP/KS15-17.4.0	1	EQ	S	9.55	3.83	-8.3	1.153	1.20	0.85238
DP/KS15-17.5.0	1	EQ	S	9.79	4.60	-7.3	1.250	1.69	0.86551
DP/KS15-17.6.0	1	EQ	S	9.90	4.77	-5.7	1.057	2.22	0.84001
DP/KS16-18.1.0	1	EQ	S	9.37	3.17	0.0	0.267	3.81	0.97649
DP/KS16-18.2.0	1	EQ	S	9.37	3.70	-7.7	0.668	1.54	0.28280
DP/KS16-18.3.0	1	EQ	S	9.37	3.70	-7.7	0.668	1.54	0.28280
DP/KS16-18.4.0	1	EQ	S	9.38	3.97	-9.3	0.830	1.09	0.00586
DP/KS17-19.1.0-1	1	EQ	S	9.22	2.92	0.0	0.443	3.84	1.00000
DP/KS17-19.2.0	1	EQ	S	9.41	4.12	-6.0	0.695	2.26	0.94100
DP/KS17-19.3.0	1	EQ	S	9.41	4.12	-6.0	0.695	2.26	0.94100
DP/KS18-20.1.0-1	1	EQ	S	8.96	2.02	0.0	1.249	3.64	1.00000
DP/KS18-20.2.0-1	1	EQ	S	9.06	2.49	-2.6	1.285	2.93	1.00000
DP/KS18-20.3.0	1	EQ	S	9.49	4.48	-2.5	1.350	3.53	0.76506
DP/KS19-21.0.0-1	1	EQ	S	8.74	1.06	0.0	1.872	3.39	1.00000
DP/KS20-22.0.0-1	1	EQ	S	8.69	0.88	0.0	2.157	3.35	1.00000
DL/KS1.1.0	1	EQ	S	8.10	0.00	0.0	1.902	3.50	1.00000
DL/KS1.0.0	1	EQ	S	8.10	-0.00	0.0	1.905	3.50	1.00000
DL/KS2.1.0	1	EQ	S	8.10	-0.03	-0.4	1.672	3.36	1.00000
DL/KS2.0.0	1	EQ	S	8.16	-0.56	-0.6	1.430	2.96	1.00000
DL/KS3.0.0-1	1	EQ	S	8.16	-0.50	-0.8	1.390	2.92	1.00000
DL/KS4.1.0	2	EQ	S	8.27	-1.09	0.0	1.655	2.78	1.00000
DL/KS4.0.0	2	EQ	S	8.30	-1.26	-0.6	1.777	2.47	1.00000
DL/KS5.1.0-1	1	EQ	S	8.19	-0.50	0.0	1.414	3.16	1.00000
DL/KS5.2.0-1	1	EQ	S	8.24	-0.81	-3.2	1.467	2.05	1.00000
DL/KS5.0.0	1	EQ	S	8.30	-1.18	-3.9	1.653	1.62	1.00000
DL/KS6.0.0	1	EQ	S	8.40	-1.17	-0.2	1.890	2.56	1.00000
DL/KS7.0.0	1	EQ	S	8.43	-0.94	-0.2	1.872	2.64	1.00000
DL/KS8.1.0-1	1	EQ	S	8.28	-0.38	-0.9	1.762	2.84	1.00000
DL/KS8.2.0	1	EQ	S	8.33	-0.49	-1.3	1.914	2.62	1.00000
DL/KS8.0.0	1	EQ	S	8.34	-0.51	-1.5	1.943	2.52	1.00000
DL/KS9.1.0-1	1	EQ	S	8.24	-0.21	-0.7	1.470	3.04	1.00000
DL/KS9.2.0	1	EQ	S	8.34	-0.33	-3.2	1.747	2.08	1.00000
DL/KS9.0.0	1	EQ	S	8.42	-0.41	-2.9	1.880	2.03	1.00000
DL/KS10.1.0-1	1	EQ	S	8.31	-0.12	0.0	1.472	3.22	1.00000
DL/KS10.2.0	1	EQ	S	8.40	-0.17	-1.8	1.667	2.55	1.00000
DL/KS10.0.0	1	EQ	S	8.45	-0.21	-1.7	1.773	2.48	1.00000
DL/KS11.1.0-1	1	EQ	S	8.37	0.05	0.0	1.626	3.24	1.00000
DL/KS11.2.0	1	EQ	S	8.54	0.16	-0.6	1.909	2.94	1.00000
DL/KS11.0.0	1	EQ	S	8.56	0.17	-1.0	1.906	2.79	1.00000
DL/KS12.1.0-1	1	EQ	S	8.39	0.27	0.0	1.148	3.34	1.00000
DL/KS12.2.0	1	EQ	S	8.61	0.55	-3.7	1.653	2.06	1.00000
DL/KS12.0.0	1	EQ	S	8.74	0.71	-3.3	1.837	2.14	1.00000
DL/KS13.1.0-1	1	EQ	S	8.41	0.53	0.0	1.101	3.45	1.00000
DL/KS13.2.0	1	EQ	S	8.63	0.81	-3.8	1.621	2.14	1.00000
DL/KS13.0.0	1	EQ	S	8.76	0.98	-3.4	1.803	2.22	1.00000
DL/KS14.1.0	1	EQ	S	8.57	1.30	0.1	1.367	3.66	1.00000
DL/KS14.0.0	1	EQ	S	8.62	1.42	-1.0	1.426	3.36	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DL/KS15.1.0	1	EQ	S	8.65	1.65	0.0	1.534	3.77	1.00000
DL/KS15.0.0	1	EQ	S	8.71	1.83	-1.8	0.996	3.24	1.00000
DL/KS16.1.0	1	EQ	S	8.32	0.70	0.0	1.370	3.63	1.00000
DL/KS16.2.0	1	EQ	S	8.37	0.88	-1.2	1.420	3.30	1.00000
DL/KS16.3.0	1	EQ	S	8.42	1.06	0.0	1.445	3.70	1.00000
DL/KS17.1.0	1	EQ	S	8.29	0.72	0.0	1.095	3.67	1.00000
DL/KS17.2.0	1	EQ	S	8.36	1.09	-3.1	1.192	2.79	1.00000
DL/KS17.3.0	1	EQ	S	8.56	1.87	-2.8	1.294	3.06	1.00000
DL/KS18.1.0	1	EQ	S	8.26	0.72	0.0	1.370	3.70	1.00000
DL/KS18.2.0	1	EQ	S	8.34	1.10	-2.5	1.435	2.99	1.00000
DL/KS18.3.0	1	EQ	S	8.54	1.89	-2.4	1.519	3.25	1.00000
DL/KS18.4.0	1	EQ	S	8.63	2.24	0.0	1.525	4.09	1.00000
DL/KS19.0.0-1	1	EQ	S	8.18	0.37	0.0	1.709	3.61	1.00000
DL/KS20.0.0-1	1	EQ	S	8.15	0.24	0.0	1.849	3.57	1.00000
DL/KS21.0.0-1	1	EQ	S	8.13	0.15	0.0	1.893	3.55	1.00000
DL/KS22.0.0	1	EQ	S	8.16	0.35	0.0	1.925	3.62	1.00000
DL/KS1-2.1.0	1	EQ	S	8.10	-0.03	-0.4	1.664	3.36	1.00000
DL/KS1-2.0.0	1	EQ	S	8.16	-0.57	-0.7	1.355	2.93	1.00000
DL/KS2-3.1.0-1	1	EQ	S	8.16	-0.56	-1.8	1.189	2.58	1.00000
DL/KS2-3.0.0-1	1	EQ	S	8.23	-1.20	-2.4	1.103	2.00	1.00000
DL/KS3-4.1.0-1	2	EQ	S	8.35	-1.72	-0.9	1.302	2.09	1.00000
DL/KS3-4.0.0-1	2	EQ	S	8.38	-1.90	-1.7	1.343	1.73	1.00000
DL/KS4-5.1.0-1	2	EQ	S	8.38	-1.64	0.0	1.302	2.41	1.00000
DL/KS4-5.2.0-1	2	EQ	S	8.53	-2.37	0.0	1.309	1.89	1.00000
DL/KS4-5.3.0	2	EQ	S	8.61	-2.77	-1.2	1.453	1.22	1.00000
DL/KS4-5.0.0	2	EQ	S	8.63	-2.96	-2.0	1.436	0.85	1.00000
DL/KS5-6.1.0	1	EQ	S	8.56	-1.91	-0.2	1.475	2.01	1.00000
DL/KS5-6.2.0	2	EQ	S	8.72	-2.65	-0.2	1.391	1.48	1.00000
DL/KS5-6.0.0	2	EQ	S	8.75	-2.81	-1.5	1.405	0.97	1.00000
DL/KS6-7.0.0	1	EQ	S	8.77	-2.15	-0.4	1.670	1.62	1.00000
DL/KS7-8.1.0	1	EQ	S	8.66	-1.40	-1.3	1.754	1.81	1.00000
DL/KS7-8.2.0	1	EQ	S	8.68	-1.43	-1.8	1.780	1.64	1.00000
DL/KS7-8.0.0	1	EQ	S	8.69	-1.45	-2.0	1.795	1.53	1.00000
DL/KS8-9.1.0-1	1	EQ	S	8.42	-0.58	-2.1	1.315	2.20	1.00000
DL/KS8-9.2.0	1	EQ	S	8.56	-0.81	-5.0	1.617	1.01	1.00000
DL/KS8-9.3.0	1	EQ	S	8.57	-0.83	-5.2	1.631	0.90	1.00000
DL/KS8-9.0.0	1	EQ	S	8.66	-0.92	-4.9	1.759	0.88	1.00000
DL/KS9-10.1.0-1	1	EQ	S	8.46	-0.32	-1.0	1.042	2.67	1.00000
DL/KS9-10.2.0	1	EQ	S	8.61	-0.46	-5.1	1.302	1.08	1.00000
DL/KS9-10.0.0	1	EQ	S	8.72	-0.56	-4.7	1.461	1.06	1.00000
DL/KS10-11.1.0-1	1	EQ	S	8.59	-0.05	0.1	1.207	2.94	1.00000
DL/KS10-11.2.0	1	EQ	S	8.86	0.02	-2.9	1.444	1.81	1.00000
DL/KS10-11.3.0	1	EQ	S	8.88	0.03	-3.4	1.478	1.64	1.00000
DL/KS10-11.0.0	1	EQ	S	8.94	-0.01	-3.3	1.580	1.59	1.00000
DL/KS11-12.1.0-1	1	EQ	S	8.69	0.35	0.1	0.823	3.06	1.00000
DL/KS11-12.2.0	1	EQ	S	8.91	0.67	-6.1	1.174	1.02	1.00000
DL/KS11-12.3.0	1	EQ	S	8.92	0.68	-6.6	1.204	0.85	1.00000
DL/KS11-12.0.0	1	EQ	S	9.08	0.83	-5.7	1.413	1.06	1.00000
DL/KS12-13.1.0-1	1	EQ	S	8.74	0.85	0.0	0.396	3.28	1.00000
DL/KS12-13.2.0-1	1	EQ	S	8.71	1.01	-6.8	0.556	1.15	1.00000
DL/KS12-13.0.0-1	1	EQ	S	8.82	1.10	-5.7	0.673	1.46	1.00000
DL/KS13-14.1.0-1	1	EQ	S	8.67	1.12	0.2	0.584	3.43	1.00000
DL/KS13-14.2.0	1	EQ	S	9.14	2.20	-5.3	1.098	1.83	1.00000
DL/KS13-14.3.0	1	EQ	S	9.16	2.33	-6.2	1.190	1.55	1.00000
DL/KS13-14.0.0	1	EQ	S	9.32	2.50	-5.3	1.432	1.80	1.00000
DL/KS14-15.1.0-1	1	EQ	S	8.66	1.47	0.2	0.812	3.62	1.00000
DL/KS14-15.2.0	1	EQ	S	8.98	2.42	-1.6	0.967	3.32	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DL/KS14-15.0.0	1	EQ	S	8.99	2.58	-4.3	0.610	2.48	1.00000
DL/KS15-16.1.0	1	EQ	S	8.66	1.68	0.0	0.784	3.77	1.00000
DL/KS15-16.2.0	1	EQ	S	8.71	1.88	-1.8	0.967	3.24	1.00000
DL/KS15-16.3.0	1	EQ	S	8.75	2.03	-3.3	1.089	2.81	1.00000
DL/KS15-16.4.0	1	EQ	S	8.82	2.20	-1.7	1.022	3.34	1.00000
DL/KS16-17.1.0	1	EQ	S	8.56	1.60	0.0	0.538	3.84	1.00000
DL/KS16-17.2.0	1	EQ	S	8.59	2.02	-5.5	0.787	2.23	1.00000
DL/KS16-17.3.0	1	EQ	S	8.61	2.26	-7.1	0.975	1.78	0.98286
DL/KS16-17.4.0	1	EQ	S	8.84	3.05	-6.2	0.997	2.23	0.94696
DL/KS16-17.5.0	1	EQ	S	8.94	3.22	-4.3	0.893	2.88	0.96927
DL/KS17-18.1.0	1	EQ	S	8.52	1.71	0.0	0.490	3.94	1.00000
DL/KS17-18.2.0	1	EQ	S	8.55	2.21	-6.1	0.731	2.15	1.00000
DL/KS17-18.3.0	1	EQ	S	8.55	2.21	-6.1	0.731	2.15	1.00000
DL/KS17-18.4.0	1	EQ	S	8.79	3.11	-5.5	0.766	2.57	1.00000
DL/KS17-18.5.0	1	EQ	S	8.79	3.11	-5.5	0.766	2.57	1.00000
DL/KS18-19.1.0-1	1	EQ	S	8.38	1.26	0.0	1.105	3.85	1.00000
DL/KS18-19.2.0-1	1	EQ	S	8.46	1.70	-3.1	1.165	2.97	1.00000
DL/KS18-19.3.0-1	1	EQ	S	8.68	2.63	-3.0	1.210	3.26	1.00000
DL/KS18-19.4.0-1	1	EQ	S	8.79	3.02	0.0	1.189	4.32	1.00000
DL/KS19-20.0.0-1	1	EQ	S	8.23	0.66	0.0	1.641	3.70	1.00000
DL/KS20-21.0.0-1	1	EQ	S	8.18	0.41	0.0	1.838	3.63	1.00000
DL/KS21-22.0.0-1	1	EQ	S	8.19	0.51	0.0	1.915	3.67	1.00000
DL/KS1-3.1.0	1	EQ	S	8.23	-1.15	-2.3	1.202	2.06	1.00000
DL/KS1-3.0.0	1	EQ	S	8.31	-1.95	-3.4	0.936	1.21	1.00000
DL/KS2-4.1.0-1	2	EQ	S	8.35	-1.83	-3.0	0.924	1.35	1.00000
DL/KS2-4.2.0-1	2	EQ	S	8.43	-2.71	-4.0	0.707	0.50	1.00000
DL/KS2-4.0.0	2	EQ	S	8.52	-3.58	-5.4	0.726	-0.49	0.96273
DL/KS3-5.1.0-2	2	EQ	S	8.47	-2.36	-1.3	0.752	1.53	1.00000
DL/KS3-5.2.0-2	2	EQ	S	8.65	-3.25	-1.0	0.663	0.99	0.78321
DL/KS3-5.3.0-2	2	EQ	S	8.65	-3.25	-1.0	0.663	0.99	0.78321
DL/KS3-5.0.0	1	EQ	S	8.36	-4.14	-14.4	0.605	-3.75	0.58010
DL/KS4-6.1.0-1	2	EQ	S	8.61	-2.54	0.0	0.842	1.72	0.87691
DL/KS5-7.1.0-2	1	EQ	S	8.70	-2.10	0.0	0.718	1.85	0.84510
DL/KS5-7.2.0-2	2	EQ	S	8.88	-2.91	0.0	0.593	1.27	0.60240
DL/KS5-7.0.0-2	2	EQ	S	8.88	-2.91	0.0	0.593	1.27	0.60240
DL/KS6-8.1.0	1	EQ	S	9.03	-2.69	-2.2	1.375	0.51	1.00000
DL/KS6-8.2.0	1	EQ	S	9.04	-2.72	-2.8	1.374	0.30	1.00000
DL/KS6-8.0.0	1	EQ	S	9.06	-2.75	-3.1	1.374	0.17	1.00000
DL/KS7-9.1.0-1	1	EQ	S	8.71	-1.34	-3.5	0.903	1.09	1.00000
DL/KS7-9.2.0-1	1	EQ	S	8.70	-1.40	-6.4	0.842	0.09	0.62789
DL/KS7-9.3.0-1	1	EQ	S	8.71	-1.43	-6.8	0.860	-0.08	0.59506
DL/KS7-9.0.0-1	1	EQ	S	8.77	-1.49	-6.4	0.919	-0.04	0.83151
DL/KS8-10.1.0-1	1	EQ	S	8.64	-0.69	-3.8	0.753	1.36	0.99911
DL/KS8-10.2.0-1	1	EQ	S	8.60	-0.75	-8.7	0.688	-0.29	0.47095
DL/KS8-10.3.0-1	1	EQ	S	8.60	-0.77	-9.2	0.669	-0.46	0.45078
DL/KS8-10.0.0-1	1	EQ	S	8.71	-0.85	-8.4	0.843	-0.34	0.90348
DL/KS9-11.1.0-1	1	EQ	S	8.76	-0.25	-2.4	0.452	1.94	0.21459
DL/KS13-15.1.0	1	EQ	S	9.51	3.12	0.3	0.393	3.54	0.96890
DL/KS13-15.2.0	1	EQ	S	9.48	3.33	-7.9	0.932	1.15	0.34112
DL/KS13-15.3.0	1	EQ	S	9.51	3.47	-8.8	1.045	0.89	0.12610
DL/KS14-16.1.0-1	1	EQ	S	8.96	2.40	1.2	0.167	3.44	1.00000
DL/KS14-16.2.0-1	1	EQ	S	8.99	2.63	-4.6	0.597	2.42	1.00000
DL/KS14-16.3.0	1	EQ	S	9.01	2.81	-6.5	0.804	1.87	1.00000
DL/KS14-16.4.0	1	EQ	S	9.01	2.81	-6.5	0.804	1.87	1.00000
DL/KS14-16.5.0	1	EQ	S	9.11	2.95	-4.0	0.635	2.65	1.00000
DL/KS15-17.1.0	1	EQ	S	8.94	2.87	4.2	0.187	2.71	1.00000
DL/KS15-17.2.0	1	EQ	S	8.86	3.38	-10.4	0.849	0.94	0.72593

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DL/KS15-17.3.0-1	1	EQ	S	8.87	3.61	-11.6	1.000	0.62	0.54258
DL/KS15-17.4.0	1	EQ	S	8.89	3.77	-12.3	1.108	0.44	0.43776
DL/KS15-17.5.0	1	EQ	S	9.18	4.55	-10.7	1.139	1.09	0.65078
DL/KS15-17.6.0	1	EQ	S	9.31	4.71	-8.9	1.079	1.66	0.79692
DL/KS16-18.1.0	1	EQ	S	8.76	2.99	7.2	0.225	1.95	0.89310
DL/KS16-18.2.0	1	EQ	S	8.64	3.63	-13.2	0.839	0.28	0.05409
DL/KS16-18.3.0	1	EQ	S	8.64	3.63	-13.2	0.839	0.28	0.05409
DL/KS17-19.1.0-1	1	EQ	S	8.69	2.55	0.0	0.147	4.18	1.00000
DL/KS17-19.2.0-1	1	EQ	S	8.63	3.34	-10.4	0.633	1.14	0.71241
DL/KS17-19.3.0-1	1	EQ	S	8.63	3.34	-10.4	0.633	1.14	0.71241
DL/KS17-19.4.0	1	EQ	S	9.05	4.97	-9.2	0.699	1.95	0.72258
DL/KS17-19.5.0	1	EQ	S	9.05	4.97	-9.2	0.699	1.95	0.72258
DL/KS18-20.1.0-1	1	EQ	S	8.47	1.73	0.0	0.983	4.00	1.00000
DL/KS18-20.2.0-1	1	EQ	S	8.56	2.24	-3.5	1.047	3.02	1.00000
DL/KS18-20.3.0-1	1	EQ	S	8.80	3.28	-3.4	1.073	3.34	1.00000
DL/KS18-20.4.0	1	EQ	S	9.12	4.74	0.0	1.069	4.85	0.98032
DL/KS19-21.0.0-1	1	EQ	S	8.27	0.89	0.0	1.623	3.77	1.00000
DL/KS20-22.0.0-1	1	EQ	S	8.24	0.81	0.0	1.853	3.76	1.00000
DS/KP1.1.0	1	EQ	P	8.80	-0.02	0.0	2.310	2.79	1.00000
DS/KP1.0.0	1	EQ	P	8.80	-0.04	0.1	2.255	2.75	1.00000
DS/KP2.1.0	1	EQ	P	8.81	-0.06	0.6	2.125	2.58	1.00000
DS/KP2.0.0	1	EQ	P	8.88	-0.68	0.8	2.041	2.14	1.00000
DS/KP3.0.0-1	1	EQ	P	8.88	-0.58	-0.6	1.941	2.25	1.00000
DS/KP4.1.0	2	EQ	P	8.98	-1.12	0.0	2.240	2.06	1.00000
DS/KP4.0.0	2	EQ	P	9.01	-1.28	0.5	2.289	1.80	1.00000
DS/KP5.1.0-1	1	EQ	P	8.90	-0.50	0.0	1.960	2.45	1.00000
DS/KP5.2.0-1	1	EQ	P	8.96	-0.84	2.5	1.903	1.55	1.00000
DS/KP5.0.0	1	EQ	P	9.03	-1.20	3.1	2.024	1.15	1.00000
DS/KP6.0.0	2	EQ	P	9.12	-1.16	0.1	2.263	1.85	1.00000
DS/KP7.0.0	1	EQ	P	9.15	-0.93	0.1	2.267	1.94	1.00000
DS/KP8.1.0-1	1	EQ	P	8.99	-0.37	0.8	2.248	2.16	1.00000
DS/KP8.2.0	1	EQ	P	9.04	-0.47	1.1	2.354	1.96	1.00000
DS/KP8.0.0	1	EQ	P	9.05	-0.49	1.3	2.371	1.88	1.00000
DS/KP9.1.0-1	1	EQ	P	8.96	-0.20	-0.6	1.868	2.34	1.00000
DS/KP9.2.0	1	EQ	P	9.07	-0.32	1.4	2.037	1.92	1.00000
DS/KP9.0.0	1	EQ	P	9.15	-0.40	1.3	2.154	1.83	1.00000
DS/KP10.1.0-1	1	EQ	P	9.03	-0.10	0.0	1.872	2.51	1.00000
DS/KP10.2.0	1	EQ	P	9.12	-0.15	1.4	2.065	1.96	1.00000
DS/KP10.0.0	1	EQ	P	9.17	-0.18	1.4	2.151	1.89	1.00000
DS/KP11.1.0-1	1	EQ	P	9.10	0.09	0.0	1.735	2.54	1.00000
DS/KP11.2.0	1	EQ	P	9.26	0.20	0.6	2.062	2.25	1.00000
DS/KP11.0.0	1	EQ	P	9.29	0.21	0.9	2.113	2.12	1.00000
DS/KP12.1.0-1	1	EQ	P	9.13	0.32	0.0	1.769	2.63	1.00000
DS/KP12.2.0	1	EQ	P	9.36	0.58	2.5	2.109	1.71	1.00000
DS/KP12.0.0	1	EQ	P	9.48	0.74	2.3	2.288	1.73	1.00000
DS/KP13.1.0-1	1	EQ	P	9.15	0.59	0.0	1.728	2.74	1.00000
DS/KP13.2.0	1	EQ	P	9.38	0.85	2.6	2.081	1.82	1.00000
DS/KP13.0.0	1	EQ	P	9.51	1.02	2.4	2.260	1.84	1.00000
DS/KP14.1.0-1	1	EQ	P	9.06	0.58	0.0	1.759	2.82	1.00000
DS/KP14.0.0	1	EQ	P	9.35	1.43	0.8	2.050	2.72	1.00000
DS/KP15.1.0-1	1	EQ	P	9.14	0.91	0.0	1.823	2.91	1.00000
DS/KP15.0.0	1	EQ	P	9.48	1.93	1.0	1.446	2.75	1.00000
DS/KP16.1.0	1	EQ	P	9.05	0.76	0.0	1.922	2.93	1.00000
DS/KP16.2.0	1	EQ	P	9.10	0.93	0.7	1.955	2.72	1.00000
DS/KP16.3.0	1	EQ	P	9.15	1.09	0.0	1.987	2.99	1.00000
DS/KP17.1.0	1	EQ	P	9.04	0.86	0.0	1.628	2.99	1.00000
DS/KP17.2.0	1	EQ	P	9.12	1.20	1.9	1.668	2.46	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DS/KP17.3.0	1	EQ	P	9.31	1.92	1.8	1.760	2.66	1.00000
DS/KP18.1.0	1	EQ	P	9.01	0.87	0.0	1.843	3.02	1.00000
DS/KP18.2.0	1	EQ	P	9.09	1.21	1.7	1.870	2.56	1.00000
DS/KP18.3.0	1	EQ	P	9.28	1.95	1.7	1.941	2.76	1.00000
DS/KP18.4.0	1	EQ	P	9.38	2.27	0.0	1.943	3.36	1.00000
DS/KP19.0.0-1	1	EQ	P	8.91	0.48	0.0	2.154	2.93	1.00000
DS/KP20.0.0-1	1	EQ	P	8.86	0.30	0.0	2.338	2.89	1.00000
DS/KP21.0.0-1	1	EQ	P	8.84	0.19	0.0	2.394	2.86	1.00000
DS/KP22.0.0	1	EQ	P	8.86	0.33	0.0	2.422	2.90	1.00000
DS/KP1-2.1.0	1	EQ	P	8.81	-0.11	0.7	1.937	2.50	1.00000
DS/KP1-2.0.0	1	EQ	P	8.89	-0.81	1.1	1.732	1.95	1.00000
DS/KP2-3.1.0	1	EQ	P	8.95	-1.15	0.5	1.766	1.90	1.00000
DS/KP2-3.0.0	1	EQ	P	9.04	-1.97	1.0	1.605	1.24	1.00000
DS/KP3-4.1.0-1	2	EQ	P	9.09	-1.88	-0.4	1.713	1.44	1.00000
DS/KP3-4.0.0	2	EQ	P	9.19	-2.58	0.3	1.782	1.03	1.00000
DS/KP4-5.1.0	2	EQ	P	9.15	-1.92	0.0	1.796	1.49	1.00000
DS/KP4-5.2.0	2	EQ	P	9.32	-2.75	0.0	1.621	0.89	0.98898
DS/KP4-5.3.0	2	EQ	P	9.36	-2.92	1.0	1.625	0.46	0.95653
DS/KP4-5.0.0	2	EQ	P	9.38	-3.12	1.6	1.615	0.13	0.92116
DS/KP5-6.1.0	2	EQ	P	9.29	-1.95	0.2	1.771	1.28	1.00000
DS/KP5-6.2.0	2	EQ	P	9.47	-2.78	0.2	1.565	0.68	0.98368
DS/KP5-6.0.0	2	EQ	P	9.50	-2.94	1.2	1.577	0.24	0.95168
DS/KP6-7.0.0	2	EQ	P	9.52	-2.21	0.3	1.887	0.88	0.97742
DS/KP7-8.1.0	1	EQ	P	9.40	-1.42	1.2	2.062	1.09	1.00000
DS/KP7-8.2.0	1	EQ	P	9.42	-1.45	1.6	2.079	0.95	1.00000
DS/KP7-8.0.0	1	EQ	P	9.43	-1.47	1.8	2.088	0.86	1.00000
DS/KP8-9.1.0-1	1	EQ	P	9.17	-0.59	0.5	1.658	1.96	1.00000
DS/KP8-9.2.0	1	EQ	P	9.33	-0.83	3.0	1.890	0.90	1.00000
DS/KP8-9.3.0	1	EQ	P	9.34	-0.85	3.2	1.901	0.81	1.00000
DS/KP8-9.0.0	1	EQ	P	9.42	-0.93	3.0	2.005	0.73	1.00000
DS/KP9-10.1.0-1	1	EQ	P	9.21	-0.32	-0.8	1.312	1.97	1.00000
DS/KP9-10.2.0	1	EQ	P	9.39	-0.48	2.6	1.579	1.13	1.00000
DS/KP9-10.0.0	1	EQ	P	9.50	-0.57	2.5	1.708	1.02	1.00000
DS/KP10-11.1.0-1	1	EQ	P	9.36	-0.01	0.1	1.233	2.20	1.00000
DS/KP10-11.2.0	1	EQ	P	9.62	0.04	2.4	1.682	1.23	0.99916
DS/KP10-11.3.0	1	EQ	P	9.64	0.05	2.8	1.728	1.09	0.98907
DS/KP10-11.0.0	1	EQ	P	9.70	0.01	2.7	1.801	1.03	0.97991
DS/KP11-12.1.0-1	1	EQ	P	9.47	0.43	0.0	1.142	2.33	1.00000
DS/KP11-12.2.0	1	EQ	P	9.72	0.68	4.2	1.596	0.86	0.96355
DS/KP11-12.3.0	1	EQ	P	9.74	0.69	4.5	1.623	0.73	0.95237
DS/KP11-12.0.0	1	EQ	P	9.87	0.84	4.1	1.772	0.81	0.93804
DS/KP12-13.1.0-1	1	EQ	P	9.53	0.96	0.0	1.118	2.55	1.00000
DS/KP12-13.2.0	1	EQ	P	9.76	1.23	3.6	1.437	1.27	1.00000
DS/KP12-13.0.0	1	EQ	P	9.89	1.39	3.2	1.628	1.35	1.00000
DS/KP13-14.1.0-1	1	EQ	P	9.46	1.24	0.1	1.140	2.74	1.00000
DS/KP13-14.2.0	1	EQ	P	9.95	2.25	3.1	1.749	1.76	1.00000
DS/KP13-14.3.0	1	EQ	P	9.99	2.37	3.8	1.821	1.56	0.99807
DS/KP13-14.0.0	1	EQ	P	10.12	2.53	3.4	2.002	1.62	0.99024
DS/KP14-15.1.0	1	EQ	P	9.70	2.35	0.1	1.454	3.05	0.96363
DS/KP14-15.2.0	1	EQ	P	9.75	2.47	1.0	1.532	2.75	0.93225
DS/KP14-15.0.0	1	EQ	P	9.83	2.73	1.8	0.894	2.56	1.00000
DS/KP15-16.1.0-1	1	EQ	P	9.43	1.80	0.0	1.370	3.06	1.00000
DS/KP15-16.2.0-1	1	EQ	P	9.48	1.98	1.1	1.414	2.76	1.00000
DS/KP15-16.3.0	1	EQ	P	9.53	2.11	2.0	1.493	2.48	1.00000
DS/KP15-16.4.0	1	EQ	P	9.59	2.28	1.0	1.521	2.83	1.00000
DS/KP16-17.1.0	1	EQ	P	9.35	1.82	0.0	1.116	3.16	1.00000
DS/KP16-17.2.0	1	EQ	P	9.42	2.18	2.7	1.207	2.38	0.95536

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DS/KP16-17.3.0	1	EQ	P	9.47	2.38	3.8	1.286	2.09	0.91943
DS/KP16-17.4.0	1	EQ	P	9.67	3.13	3.5	1.394	2.36	0.85602
DS/KP16-17.5.0	1	EQ	P	9.74	3.31	2.4	1.380	2.75	0.86306
DS/KP17-18.1.0	1	EQ	P	9.33	2.04	0.0	0.973	3.29	1.00000
DS/KP17-18.2.0	1	EQ	P	9.41	2.46	3.1	1.075	2.40	1.00000
DS/KP17-18.3.0	1	EQ	P	9.41	2.46	3.1	1.075	2.40	1.00000
DS/KP17-18.4.0	1	EQ	P	9.63	3.30	2.9	1.102	2.67	1.00000
DS/KP17-18.5.0	1	EQ	P	9.63	3.30	2.9	1.102	2.67	1.00000
DS/KP18-19.1.0-1	1	EQ	P	9.17	1.57	0.0	1.505	3.22	1.00000
DS/KP18-19.2.0-1	1	EQ	P	9.26	1.98	2.1	1.534	2.65	1.00000
DS/KP18-19.3.0-1	1	EQ	P	9.47	2.84	2.0	1.577	2.89	1.00000
DS/KP18-19.4.0-1	1	EQ	P	9.58	3.21	0.0	1.578	3.63	1.00000
DS/KP19-20.0.0-1	1	EQ	P	8.99	0.87	0.0	2.054	3.05	1.00000
DS/KP20-21.0.0-1	1	EQ	P	8.91	0.53	0.0	2.315	2.96	1.00000
DS/KP21-22.0.0-1	1	EQ	P	8.90	0.54	0.0	2.402	2.97	1.00000
DS/KP1-3.1.0	1	EQ	P	8.97	-1.34	1.1	1.366	1.61	1.00000
DS/KP1-3.0.0	1	EQ	P	9.07	-2.32	2.2	1.143	0.65	1.00000
DS/KP2-4.1.0	2	EQ	P	9.17	-2.59	1.7	1.377	0.59	1.00000
DS/KP2-4.2.0	2	EQ	P	9.29	-3.74	3.1	1.071	-0.57	0.81092
DS/KP2-4.0.0	2	EQ	P	9.32	-4.02	4.3	1.064	-1.14	0.09622
DS/KP3-5.1.0-2	2	EQ	P	9.22	-2.60	-0.4	1.118	0.94	1.00000
DS/KP4-6.1.0	1	EQ	P	9.28	-3.11	9.4	1.648	-2.37	0.80681
DS/KP5-7.1.0	2	EQ	P	9.72	-3.14	0.5	1.191	0.15	0.89926
DS/KP6-8.1.0	2	EQ	P	9.80	-2.82	2.1	1.562	-0.29	0.83026
DS/KP6-8.2.0	2	EQ	P	9.82	-2.86	2.6	1.579	-0.47	0.80994
DS/KP6-8.0.0	1	EQ	P	9.67	-2.75	7.8	1.882	-2.03	0.78811
DS/KP7-9.1.0	1	EQ	P	9.67	-1.76	1.1	1.467	0.70	0.97130
DS/KP7-9.2.0	1	EQ	P	9.73	-1.90	4.2	1.498	-0.44	0.88784
DS/KP7-9.3.0	1	EQ	P	9.75	-1.93	4.4	1.510	-0.56	0.87665
DS/KP7-9.0.0	1	EQ	P	9.83	-2.02	4.2	1.605	-0.63	0.85376
DS/KP8-10.1.0-1	1	EQ	P	9.44	-0.72	1.0	1.089	1.47	1.00000
DS/KP8-10.2.0	1	EQ	P	9.66	-1.03	5.1	1.377	-0.24	0.92438
DS/KP8-10.3.0	1	EQ	P	9.67	-1.06	5.4	1.391	-0.36	0.91553
DS/KP8-10.0.0	1	EQ	P	9.78	-1.15	5.1	1.516	-0.43	0.89648
DS/KP9-11.1.0-1	1	EQ	P	9.56	-0.24	-1.6	0.647	1.41	1.00000
DS/KP9-11.2.0	1	EQ	P	9.92	-0.32	4.5	1.181	0.05	0.96315
DS/KP9-11.3.0	1	EQ	P	9.94	-0.32	5.0	1.229	-0.13	0.94857
DS/KP9-11.0.0	1	1	P	9.29	-0.05	3.6	0.442	1.13	0.36755
DS/KP10-12.1.0	1	EQ	P	9.97	0.42	0.1	0.961	1.80	0.99135
DS/KP10-12.2.0	1	EQ	P	10.04	0.49	8.0	1.222	-0.84	0.72803
DS/KP10-12.3.0	1	EQ	P	10.05	0.48	8.3	1.265	-0.98	0.68828
DS/KP10-12.0.0	1	EQ	P	10.29	0.60	7.1	1.478	-0.73	0.73289
DS/KP11-13.1.0	1	EQ	P	10.07	1.21	0.1	0.776	2.12	0.98731
DS/KP11-13.2.0	1	EQ	P	10.11	1.35	7.1	0.921	-0.19	0.78404
DS/KP11-13.3.0	1	EQ	P	10.12	1.35	7.6	0.960	-0.37	0.63806
DS/KP11-13.0.0	1	EQ	P	10.29	1.52	6.4	1.119	-0.05	0.78066
DS/KP12-14.1.0-1	1	EQ	P	9.88	1.67	0.1	0.566	2.51	1.00000
DS/KP12-14.2.0	1	EQ	P	10.37	2.68	4.6	1.154	1.07	0.93651
DS/KP12-14.3.0	1	EQ	P	10.40	2.79	5.5	1.224	0.79	0.90248
DS/KP12-14.0.0	1	EQ	P	10.56	2.95	4.7	1.421	0.97	0.87413
DS/KP13-15.1.0	1	EQ	P	10.33	3.25	0.1	1.139	2.87	0.78347
DS/KP13-15.4.0-1	1	EQ	P	9.87	2.84	9.8	0.830	-0.13	0.69447
DS/KP14-16.1.0-1	1	EQ	P	9.78	2.59	0.1	0.806	3.07	1.00000
DS/KP14-16.2.0-1	1	EQ	P	9.83	2.78	1.8	0.865	2.56	1.00000
DS/KP14-16.3.0	1	EQ	P	9.87	2.92	3.3	0.961	2.13	1.00000
DS/KP14-16.4.0	1	EQ	P	9.87	2.92	3.3	0.961	2.13	1.00000
DS/KP14-16.5.0	1	EQ	P	9.95	3.09	1.6	0.976	2.67	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DS/KP15-17.1.0-1	1	EQ	P	9.81	3.12	0.1	0.575	3.33	1.00000
DS/KP15-17.2.0-1	1	EQ	P	9.86	3.52	4.7	0.858	1.97	0.98521
DS/KP15-17.3.0-1	1	EQ	P	9.89	3.73	5.9	1.040	1.62	0.95319
DS/KP15-17.4.0	1	EQ	P	9.92	3.88	6.8	1.186	1.37	0.92711
DS/KP16-18.1.0	1	EQ	P	9.72	3.32	0.0	0.452	3.54	0.91615
DS/KP16-18.2.0	1	EQ	P	9.76	3.80	5.6	0.657	1.88	0.12072
DS/KP16-18.3.0	1	EQ	P	9.76	3.80	5.6	0.657	1.88	0.12072
DS/KP17-19.1.0	1	EQ	P	9.71	3.75	0.0	0.598	3.77	0.97895
DS/KP18-20.1.0-1	1	EQ	P	9.30	2.19	0.0	1.346	3.40	1.00000
DS/KP18-20.2.0	1	EQ	P	9.59	3.61	2.3	1.395	3.06	0.93274
DS/KP19-21.0.0-1	1	EQ	P	9.05	1.17	0.0	2.008	3.14	1.00000
DS/KP20-22.0.0-1	1	EQ	P	8.98	0.92	0.0	2.310	3.08	1.00000
DP/KP1.1.0	1	EQ	P	8.52	-0.00	0.0	2.244	3.08	1.00000
DP/KP1.0.0	1	EQ	P	8.52	-0.01	0.0	2.195	3.06	1.00000
DP/KP2.1.0	1	EQ	P	8.52	-0.05	0.5	1.992	2.90	1.00000
DP/KP2.0.0	1	EQ	P	8.59	-0.63	0.7	1.896	2.48	1.00000
DP/KP3.0.0-1	1	EQ	P	8.59	-0.54	-0.7	1.907	2.52	1.00000
DP/KP4.1.0	2	EQ	P	8.70	-1.09	0.0	2.146	2.36	1.00000
DP/KP4.0.0	2	EQ	P	8.72	-1.26	0.5	2.211	2.09	1.00000
DP/KP5.1.0-1	1	EQ	P	8.62	-0.49	0.0	1.821	2.74	1.00000
DP/KP5.2.0-1	1	EQ	P	8.67	-0.82	2.6	1.796	1.81	1.00000
DP/KP5.0.0	1	EQ	P	8.74	-1.18	3.3	1.943	1.39	1.00000
DP/KP6.0.0	2	EQ	P	8.83	-1.15	0.1	2.185	2.15	1.00000
DP/KP7.0.0	1	EQ	P	8.86	-0.92	0.2	2.180	2.23	1.00000
DP/KP8.1.0-1	1	EQ	P	8.70	-0.37	0.8	2.127	2.45	1.00000
DP/KP8.2.0	1	EQ	P	8.76	-0.47	1.1	2.249	2.25	1.00000
DP/KP8.0.0	1	EQ	P	8.77	-0.49	1.3	2.270	2.16	1.00000
DP/KP9.1.0-1	1	EQ	P	8.67	-0.20	-0.6	1.846	2.63	1.00000
DP/KP9.2.0	1	EQ	P	8.78	-0.32	1.5	1.932	2.17	1.00000
DP/KP9.0.0	1	EQ	P	8.86	-0.40	1.4	2.064	2.08	1.00000
DP/KP10.1.0-1	1	EQ	P	8.74	-0.10	0.0	1.831	2.80	1.00000
DP/KP10.2.0	1	EQ	P	8.83	-0.15	1.5	1.979	2.22	1.00000
DP/KP10.0.0	1	EQ	P	8.88	-0.18	1.5	2.073	2.14	1.00000
DP/KP11.1.0-1	1	EQ	P	8.80	0.08	0.0	1.800	2.83	1.00000
DP/KP11.2.0	1	EQ	P	8.97	0.20	0.6	1.986	2.53	1.00000
DP/KP11.0.0	1	EQ	P	9.00	0.20	1.0	2.043	2.39	1.00000
DP/KP12.1.0-1	1	EQ	P	8.84	0.31	0.0	1.594	2.92	1.00000
DP/KP12.2.0	1	EQ	P	9.06	0.57	2.8	1.978	1.91	1.00000
DP/KP12.0.0	1	EQ	P	9.19	0.73	2.6	2.162	1.94	1.00000
DP/KP13.1.0-1	1	EQ	P	8.86	0.57	0.0	1.538	3.03	1.00000
DP/KP13.2.0	1	EQ	P	9.08	0.84	2.9	1.945	2.00	1.00000
DP/KP13.0.0	1	EQ	P	9.21	1.01	2.6	2.128	2.04	1.00000
DP/KP14.1.0-1	1	EQ	P	8.77	0.56	0.0	1.722	3.10	1.00000
DP/KP14.0.0	1	EQ	P	9.06	1.43	0.9	1.860	2.98	1.00000
DP/KP15.1.0-1	1	EQ	P	8.84	0.89	0.0	1.691	3.20	1.00000
DP/KP15.0.0	1	EQ	P	9.17	1.90	1.3	1.239	2.97	1.00000
DP/KP16.1.0	1	EQ	P	8.76	0.74	0.0	1.736	3.21	1.00000
DP/KP16.2.0	1	EQ	P	8.81	0.91	0.9	1.780	2.97	1.00000
DP/KP16.3.0	1	EQ	P	8.86	1.08	0.0	1.800	3.28	1.00000
DP/KP17.1.0	1	EQ	P	8.74	0.81	0.0	1.446	3.26	1.00000
DP/KP17.2.0	1	EQ	P	8.82	1.16	2.2	1.511	2.64	1.00000
DP/KP17.3.0	1	EQ	P	9.01	1.91	2.1	1.602	2.87	1.00000
DP/KP18.1.0	1	EQ	P	8.71	0.81	0.0	1.683	3.29	1.00000
DP/KP18.2.0	1	EQ	P	8.79	1.17	1.9	1.732	2.77	1.00000
DP/KP18.3.0	1	EQ	P	8.99	1.94	1.8	1.806	2.99	1.00000
DP/KP18.4.0	1	EQ	P	9.08	2.27	0.0	1.821	3.65	1.00000
DP/KP19.0.0-1	1	EQ	P	8.61	0.43	0.0	2.020	3.20	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/KP20.0.0-1	1	EQ	P	8.58	0.28	0.0	2.181	3.16	1.00000
DP/KP21.0.0-1	1	EQ	P	8.55	0.17	0.0	2.236	3.13	1.00000
DP/KP22.0.0	1	EQ	P	8.58	0.34	0.0	2.258	3.19	1.00000
DP/KP1-2.1.0	1	EQ	P	8.53	-0.07	0.6	1.897	2.86	1.00000
DP/KP1-2.0.0	1	EQ	P	8.60	-0.71	0.9	1.677	2.36	1.00000
DP/KP2-3.1.0	1	EQ	P	8.66	-1.10	0.3	1.660	2.30	1.00000
DP/KP2-3.0.0	1	EQ	P	8.75	-1.87	0.7	1.548	1.68	1.00000
DP/KP3-4.1.0-1	2	EQ	P	8.79	-1.80	-0.6	1.631	1.73	1.00000
DP/KP3-4.0.0	2	EQ	P	8.89	-2.50	0.2	1.750	1.39	1.00000
DP/KP4-5.1.0-1	2	EQ	P	8.81	-1.66	0.0	1.632	1.96	1.00000
DP/KP4-5.2.0	2	EQ	P	9.02	-2.68	0.0	1.615	1.23	1.00000
DP/KP4-5.3.0	2	EQ	P	9.05	-2.84	1.0	1.625	0.79	1.00000
DP/KP4-5.0.0	2	EQ	P	9.08	-3.03	1.7	1.614	0.46	0.98843
DP/KP5-6.1.0	2	EQ	P	9.00	-1.92	0.2	1.725	1.59	1.00000
DP/KP5-6.2.0	2	EQ	P	9.17	-2.71	0.2	1.580	1.02	1.00000
DP/KP5-6.0.0	2	EQ	P	9.20	-2.87	1.2	1.582	0.57	1.00000
DP/KP6-7.0.0	2	EQ	P	9.22	-2.17	0.3	1.868	1.19	1.00000
DP/KP7-8.1.0	1	EQ	P	9.11	-1.39	1.2	2.010	1.40	1.00000
DP/KP7-8.2.0	1	EQ	P	9.12	-1.42	1.6	2.029	1.26	1.00000
DP/KP7-8.0.0	1	EQ	P	9.13	-1.44	1.8	2.040	1.16	1.00000
DP/KP8-9.1.0-1	1	EQ	P	8.87	-0.58	0.5	1.540	2.29	1.00000
DP/KP8-9.2.0	1	EQ	P	9.03	-0.81	3.1	1.814	1.16	1.00000
DP/KP8-9.3.0	1	EQ	P	9.04	-0.83	3.3	1.825	1.06	1.00000
DP/KP8-9.0.0	1	EQ	P	9.12	-0.91	3.2	1.942	0.99	1.00000
DP/KP9-10.1.0-1	1	EQ	P	8.91	-0.30	-0.9	1.246	2.25	1.00000
DP/KP9-10.2.0	1	EQ	P	9.09	-0.46	2.8	1.510	1.36	1.00000
DP/KP9-10.0.0	1	EQ	P	9.19	-0.55	2.7	1.648	1.26	1.00000
DP/KP10-11.1.0-1	1	EQ	P	9.05	-0.02	0.1	1.096	2.50	1.00000
DP/KP10-11.2.0	1	EQ	P	9.31	0.05	2.6	1.659	1.47	1.00000
DP/KP10-11.3.0	1	EQ	P	9.34	0.05	3.0	1.705	1.32	1.00000
DP/KP10-11.0.0	1	EQ	P	9.39	0.02	2.9	1.779	1.26	1.00000
DP/KP11-12.1.0-1	1	EQ	P	9.16	0.41	0.1	0.924	2.63	1.00000
DP/KP11-12.2.0	1	EQ	P	9.40	0.69	4.6	1.509	1.02	1.00000
DP/KP11-12.3.0	1	EQ	P	9.42	0.69	5.0	1.536	0.88	1.00000
DP/KP11-12.0.0	1	EQ	P	9.56	0.84	4.5	1.716	0.98	0.98752
DP/KP12-13.1.0-1	1	EQ	P	9.21	0.92	0.0	0.907	2.85	1.00000
DP/KP12-13.2.0	1	EQ	P	9.43	1.21	4.3	1.272	1.37	1.00000
DP/KP12-13.0.0	1	EQ	P	9.57	1.37	3.8	1.470	1.49	1.00000
DP/KP13-14.1.0-1	1	EQ	P	9.14	1.20	0.1	0.893	3.02	1.00000
DP/KP13-14.2.0	1	EQ	P	9.63	2.24	3.6	1.594	1.90	1.00000
DP/KP13-14.3.0	1	EQ	P	9.67	2.36	4.4	1.666	1.68	1.00000
DP/KP13-14.0.0	1	EQ	P	9.81	2.52	3.9	1.876	1.77	1.00000
DP/KP14-15.1.0-1	1	EQ	P	9.13	1.55	0.1	1.006	3.20	1.00000
DP/KP14-15.2.0	1	EQ	P	9.44	2.46	1.3	1.324	2.98	0.98449
DP/KP14-15.0.0	1	EQ	P	9.50	2.67	2.5	0.659	2.62	1.00000
DP/KP15-16.1.0	1	EQ	P	9.12	1.76	0.0	1.150	3.35	1.00000
DP/KP15-16.2.0-1	1	EQ	P	9.17	1.94	1.3	1.207	2.98	1.00000
DP/KP15-16.3.0	1	EQ	P	9.22	2.08	2.4	1.333	2.64	1.00000
DP/KP15-16.4.0	1	EQ	P	9.28	2.25	1.2	1.325	3.06	1.00000
DP/KP16-17.1.0	1	EQ	P	9.03	1.74	0.0	0.917	3.44	1.00000
DP/KP16-17.2.0	1	EQ	P	9.10	2.12	3.3	1.054	2.47	0.99131
DP/KP16-17.3.0	1	EQ	P	9.14	2.33	4.6	1.154	2.12	0.95655
DP/KP16-17.4.0	1	EQ	P	9.35	3.11	4.2	1.233	2.45	0.90720
DP/KP16-17.5.0	1	EQ	P	9.43	3.28	2.8	1.221	2.90	0.91794
DP/KP17-18.1.0	1	EQ	P	9.01	1.92	0.0	0.822	3.56	1.00000
DP/KP17-18.2.0	1	EQ	P	9.08	2.36	3.8	0.940	2.46	1.00000
DP/KP17-18.3.0	1	EQ	P	9.08	2.36	3.8	0.940	2.46	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/KP17-18.4.0	1	EQ	P	9.30	3.23	3.5	1.009	2.78	1.00000
DP/KP17-18.5.0	1	EQ	P	9.30	3.23	3.5	1.009	2.78	1.00000
DP/KP18-19.1.0-1	1	EQ	P	8.85	1.46	0.0	1.374	3.48	1.00000
DP/KP18-19.2.0-1	1	EQ	P	8.94	1.88	2.4	1.420	2.83	1.00000
DP/KP18-19.3.0-1	1	EQ	P	9.16	2.77	2.3	1.471	3.09	1.00000
DP/KP18-19.4.0-1	1	EQ	P	9.26	3.14	0.0	1.459	3.91	1.00000
DP/KP19-20.0.0-1	1	EQ	P	8.69	0.79	0.0	1.906	3.31	1.00000
DP/KP20-21.0.0-1	1	EQ	P	8.62	0.48	0.0	2.160	3.23	1.00000
DP/KP21-22.0.0-1	1	EQ	P	8.62	0.53	0.0	2.239	3.25	1.00000
DP/KP1-3.1.0	1	EQ	P	8.68	-1.22	0.7	1.328	2.10	1.00000
DP/KP1-3.0.0	1	EQ	P	8.77	-2.13	1.7	1.096	1.22	1.00000
DP/KP2-4.1.0	2	EQ	P	8.88	-2.48	1.4	1.368	1.05	1.00000
DP/KP2-4.2.0	2	EQ	P	8.99	-3.54	2.6	1.049	-0.00	0.95412
DP/KP2-4.0.0	2	EQ	P	9.01	-3.82	3.9	1.037	-0.58	0.91666
DP/KP3-5.1.0-2	2	EQ	P	8.92	-2.48	-0.6	1.058	1.23	1.00000
DP/KP3-5.2.0	1	EQ	P	8.96	-3.78	9.4	1.215	-2.39	0.90003
DP/KP3-5.3.0	1	EQ	P	8.97	-4.01	10.4	1.270	-2.88	0.78710
DP/KP3-5.0.0	2	EQ	P	9.31	-4.79	3.1	0.966	-1.12	0.06444
DP/KP4-6.1.0	2	EQ	P	9.23	-3.32	0.3	1.239	0.62	0.95768
DP/KP5-7.1.0	2	EQ	P	9.41	-3.05	0.5	1.235	0.50	0.98644
DP/KP5-7.2.0	1	EQ	P	9.22	-3.55	11.6	1.399	-3.29	0.64447
DP/KP6-8.1.0	2	EQ	P	9.49	-2.74	2.1	1.543	0.08	0.91252
DP/KP6-8.2.0	2	EQ	P	9.51	-2.78	2.5	1.557	-0.11	0.89662
DP/KP6-8.0.0	2	EQ	P	9.52	-2.81	2.8	1.564	-0.23	0.88506
DP/KP7-9.1.0	1	EQ	P	9.36	-1.71	1.0	1.421	1.05	1.00000
DP/KP7-9.2.0	1	EQ	P	9.42	-1.85	4.3	1.439	-0.15	0.95298
DP/KP7-9.3.0	1	EQ	P	9.43	-1.88	4.6	1.447	-0.27	0.94462
DP/KP7-9.0.0	1	EQ	P	9.52	-1.97	4.4	1.551	-0.33	0.92702
DP/KP8-10.1.0-1	1	EQ	P	9.13	-0.70	1.0	0.973	1.80	1.00000
DP/KP8-10.2.0	1	EQ	P	9.34	-0.99	5.4	1.294	-0.02	0.97710
DP/KP8-10.3.0	1	EQ	P	9.35	-1.02	5.7	1.302	-0.14	0.96903
DP/KP8-10.0.0	1	EQ	P	9.46	-1.12	5.4	1.447	-0.19	0.95334
DP/KP9-11.1.0-1	1	EQ	P	9.24	-0.23	-2.0	0.655	1.61	1.00000
DP/KP9-11.2.0	1	EQ	P	9.59	-0.30	5.0	1.168	0.24	1.00000
DP/KP9-11.3.0	1	EQ	P	9.61	-0.30	5.5	1.199	0.06	1.00000
DP/KP9-11.0.0	1	EQ	P	9.73	-0.39	5.1	1.313	0.02	0.98749
DP/KP10-12.1.0-1	1	EQ	P	9.43	0.32	0.3	0.430	2.23	1.00000
DP/KP10-12.2.0-1	1	EQ	P	9.40	0.40	8.0	0.591	-0.27	0.45992
DP/KP10-12.3.0-1	1	EQ	P	9.40	0.40	8.8	0.623	-0.53	0.41211
DP/KP10-12.0.0	1	EQ	P	9.94	0.62	7.8	1.401	-0.63	0.77306
DP/KP11-13.1.0-1	1	EQ	P	9.58	1.05	0.2	0.302	2.49	0.90179
DP/KP11-13.2.0-1	1	EQ	P	9.51	1.18	8.4	0.395	-0.10	0.42523
DP/KP11-13.3.0-1	1	EQ	P	9.50	1.18	9.3	0.432	-0.43	0.36630
DP/KP11-13.0.0-1	1	EQ	P	9.65	1.28	7.6	0.551	0.07	0.77055
DP/KP12-14.1.0-1	1	EQ	P	9.55	1.61	0.3	0.316	2.77	0.95329
DP/KP12-14.2.0-1	1	EQ	P	9.48	1.77	7.9	0.477	0.38	0.49351
DP/KP12-14.3.0-1	1	EQ	P	9.48	1.77	7.9	0.477	0.38	0.49351
DP/KP12-14.0.0	1	EQ	P	10.21	2.94	5.7	1.256	0.98	0.93235
DP/KP13-15.1.0	1	EQ	P	10.00	3.20	0.1	0.884	3.15	0.87075
DP/KP13-15.2.0	1	EQ	P	10.05	3.38	5.1	1.284	1.57	0.19319
DP/KP13-15.4.0-1	1	EQ	P	9.43	2.82	12.1	0.781	-0.52	0.33756
DP/KP13-15.0.0-1	1	EQ	P	9.58	2.91	10.8	0.780	-0.15	0.62665
DP/KP14-16.1.0-1	1	EQ	P	9.46	2.52	0.2	0.557	3.34	1.00000
DP/KP14-16.2.0	1	EQ	P	9.50	2.72	2.7	0.627	2.60	1.00000
DP/KP14-16.3.0	1	EQ	P	9.53	2.87	4.3	0.914	2.09	1.00000
DP/KP14-16.4.0	1	EQ	P	9.53	2.87	4.3	0.914	2.09	1.00000
DP/KP14-16.5.0	1	EQ	P	9.62	3.03	2.2	0.747	2.78	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/KP15-17.1.0	1	EQ	P	9.48	3.02	0.1	0.360	3.60	1.00000
DP/KP15-17.2.0-1	1	EQ	P	9.49	3.45	6.2	0.879	1.77	0.98543
DP/KP15-17.3.0	1	EQ	P	9.52	3.67	7.5	1.030	1.42	0.92494
DP/KP15-17.4.0	1	EQ	P	9.55	3.83	8.4	1.168	1.19	0.84894
DP/KP15-17.5.0	1	EQ	P	9.79	4.59	7.3	1.268	1.68	0.86660
DP/KP15-17.6.0	1	EQ	P	9.90	4.77	5.7	1.074	2.20	0.84229
DP/KP16-18.1.0	1	EQ	P	9.37	3.17	0.0	0.267	3.81	0.97649
DP/KP16-18.2.0	1	EQ	P	9.37	3.70	7.7	0.668	1.54	0.28286
DP/KP16-18.3.0	1	EQ	P	9.37	3.70	7.7	0.668	1.54	0.28286
DP/KP16-18.4.0	1	EQ	P	9.38	3.97	9.3	0.830	1.09	0.00589
DP/KP17-19.1.0-1	1	EQ	P	9.22	2.92	0.0	0.443	3.84	1.00000
DP/KP17-19.2.0	1	EQ	P	9.41	4.12	6.1	0.688	2.25	0.93554
DP/KP17-19.3.0	1	EQ	P	9.41	4.12	6.1	0.688	2.25	0.93554
DP/KP18-20.1.0-1	1	EQ	P	8.96	2.02	0.0	1.249	3.64	1.00000
DP/KP18-20.2.0-1	1	EQ	P	9.06	2.49	2.6	1.285	2.93	1.00000
DP/KP18-20.3.0	1	EQ	P	9.49	4.48	2.5	1.347	3.53	0.76348
DP/KP19-21.0.0-1	1	EQ	P	8.74	1.06	0.0	1.872	3.39	1.00000
DP/KP20-22.0.0-1	1	EQ	P	8.69	0.88	0.0	2.157	3.35	1.00000
DL/KP1.1.0	1	EQ	P	8.10	0.00	0.0	1.902	3.50	1.00000
DL/KP1.0.0	1	EQ	P	8.10	-0.00	0.0	1.895	3.50	1.00000
DL/KP2.1.0	1	EQ	P	8.10	-0.03	0.4	1.672	3.36	1.00000
DL/KP2.0.0	1	EQ	P	8.16	-0.56	0.6	1.430	2.96	1.00000
DL/KP3.0.0-1	1	EQ	P	8.16	-0.50	-0.8	1.390	2.92	1.00000
DL/KP4.1.0	2	EQ	P	8.27	-1.09	0.0	1.655	2.78	1.00000
DL/KP4.0.0	2	EQ	P	8.30	-1.26	0.6	1.774	2.47	1.00000
DL/KP5.1.0-1	1	EQ	P	8.19	-0.50	0.0	1.414	3.16	1.00000
DL/KP5.2.0-1	1	EQ	P	8.24	-0.81	3.2	1.467	2.05	1.00000
DL/KP5.0.0	1	EQ	P	8.30	-1.18	3.9	1.653	1.62	1.00000
DL/KP6.0.0	2	EQ	P	8.40	-1.17	0.2	1.891	2.56	1.00000
DL/KP7.0.0	1	EQ	P	8.43	-0.94	0.2	1.872	2.64	1.00000
DL/KP8.1.0-1	1	EQ	P	8.28	-0.38	0.9	1.762	2.84	1.00000
DL/KP8.2.0	1	EQ	P	8.33	-0.49	1.3	1.914	2.62	1.00000
DL/KP8.0.0	1	EQ	P	8.34	-0.51	1.5	1.943	2.52	1.00000
DL/KP9.1.0-1	1	EQ	P	8.24	-0.21	-0.7	1.470	3.04	1.00000
DL/KP9.2.0	1	EQ	P	8.35	-0.33	2.0	1.640	2.45	1.00000
DL/KP9.0.0	1	EQ	P	8.43	-0.42	1.8	1.781	2.39	1.00000
DL/KP10.1.0-1	1	EQ	P	8.31	-0.12	0.0	1.472	3.22	1.00000
DL/KP10.2.0	1	EQ	P	8.40	-0.17	1.9	1.666	2.52	1.00000
DL/KP10.0.0	1	EQ	P	8.45	-0.21	1.8	1.773	2.45	1.00000
DL/KP11.1.0-1	1	EQ	P	8.37	0.05	0.0	1.626	3.24	1.00000
DL/KP11.2.0	1	EQ	P	8.54	0.17	0.7	1.903	2.93	1.00000
DL/KP11.0.0	1	EQ	P	8.56	0.17	1.1	1.900	2.78	1.00000
DL/KP12.1.0-1	1	EQ	P	8.39	0.27	0.0	1.148	3.34	1.00000
DL/KP12.2.0	1	EQ	P	8.61	0.55	3.7	1.653	2.06	1.00000
DL/KP12.0.0	1	EQ	P	8.74	0.71	3.3	1.837	2.14	1.00000
DL/KP13.1.0-1	1	EQ	P	8.41	0.53	0.0	1.101	3.45	1.00000
DL/KP13.2.0	1	EQ	P	8.63	0.81	3.8	1.621	2.14	1.00000
DL/KP13.0.0	1	EQ	P	8.76	0.98	3.4	1.803	2.22	1.00000
DL/KP14.1.0	1	EQ	P	8.57	1.30	0.1	1.367	3.66	1.00000
DL/KP14.0.0	1	EQ	P	8.62	1.42	1.2	1.409	3.31	1.00000
DL/KP15.1.0	1	EQ	P	8.65	1.65	0.0	1.534	3.77	1.00000
DL/KP15.0.0	1	EQ	P	8.71	1.83	1.8	1.003	3.21	1.00000
DL/KP16.1.0	1	EQ	P	8.32	0.70	0.0	1.370	3.63	1.00000
DL/KP16.2.0	1	EQ	P	8.37	0.88	1.2	1.420	3.30	1.00000
DL/KP16.3.0	1	EQ	P	8.42	1.06	0.0	1.445	3.70	1.00000
DL/KP17.1.0	1	EQ	P	8.29	0.72	0.0	1.095	3.67	1.00000
DL/KP17.2.0	1	EQ	P	8.36	1.09	3.1	1.192	2.79	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DL/KP17.3.0	1	EQ	P	8.56	1.87	2.8	1.294	3.06	1.00000
DL/KP18.1.0	1	EQ	P	8.26	0.72	0.0	1.370	3.70	1.00000
DL/KP18.2.0	1	EQ	P	8.34	1.10	2.5	1.435	2.99	1.00000
DL/KP18.3.0	1	EQ	P	8.54	1.89	2.4	1.519	3.25	1.00000
DL/KP18.4.0	1	EQ	P	8.63	2.24	0.0	1.525	4.09	1.00000
DL/KP19.0.0-1	1	EQ	P	8.18	0.37	0.0	1.709	3.61	1.00000
DL/KP20.0.0-1	1	EQ	P	8.15	0.24	0.0	1.849	3.57	1.00000
DL/KP21.0.0-1	1	EQ	P	8.13	0.15	0.0	1.893	3.55	1.00000
DL/KP22.0.0	1	EQ	P	8.16	0.35	0.0	1.925	3.62	1.00000
DL/KP1-2.1.0	1	EQ	P	8.10	-0.03	0.4	1.664	3.36	1.00000
DL/KP1-2.0.0	1	EQ	P	8.16	-0.57	0.7	1.355	2.93	1.00000
DL/KP2-3.1.0-1	1	EQ	P	8.17	-0.54	-0.2	1.161	3.09	1.00000
DL/KP2-3.0.0	1	EQ	P	8.31	-1.75	0.3	1.247	2.32	1.00000
DL/KP3-4.1.0-1	2	EQ	P	8.35	-1.72	-0.9	1.302	2.09	1.00000
DL/KP3-4.0.0	2	EQ	P	8.45	-2.43	0.1	1.555	1.90	1.00000
DL/KP4-5.1.0-1	2	EQ	P	8.38	-1.64	0.0	1.302	2.41	1.00000
DL/KP4-5.2.0-1	2	EQ	P	8.53	-2.37	0.0	1.309	1.89	1.00000
DL/KP4-5.3.0	2	EQ	P	8.61	-2.77	1.2	1.451	1.21	1.00000
DL/KP4-5.0.0	2	EQ	P	8.63	-2.96	2.0	1.437	0.84	1.00000
DL/KP5-6.1.0	2	EQ	P	8.56	-1.91	0.2	1.477	2.02	1.00000
DL/KP5-6.2.0	2	EQ	P	8.72	-2.65	0.2	1.393	1.48	1.00000
DL/KP5-6.0.0	2	EQ	P	8.75	-2.81	1.5	1.406	0.97	1.00000
DL/KP6-7.0.0	2	EQ	P	8.77	-2.15	0.4	1.671	1.62	1.00000
DL/KP7-8.1.0	1	EQ	P	8.66	-1.40	1.3	1.754	1.81	1.00000
DL/KP7-8.2.0	1	EQ	P	8.68	-1.43	1.8	1.780	1.64	1.00000
DL/KP7-8.0.0	1	EQ	P	8.69	-1.45	2.0	1.795	1.53	1.00000
DL/KP8-9.1.0-1	1	EQ	P	8.43	-0.58	0.5	1.355	2.73	1.00000
DL/KP8-9.2.0	1	EQ	P	8.58	-0.81	3.7	1.518	1.40	1.00000
DL/KP8-9.3.0	1	EQ	P	8.59	-0.83	4.0	1.531	1.29	1.00000
DL/KP8-9.0.0	1	EQ	P	8.67	-0.92	3.7	1.666	1.26	1.00000
DL/KP9-10.1.0-1	1	EQ	P	8.46	-0.32	-1.0	1.042	2.67	1.00000
DL/KP9-10.2.0	1	EQ	P	8.62	-0.47	3.7	1.197	1.54	1.00000
DL/KP9-10.0.0	1	EQ	P	8.74	-0.57	3.4	1.370	1.48	1.00000
DL/KP10-11.1.0-1	1	EQ	P	8.59	-0.05	0.1	1.207	2.94	1.00000
DL/KP10-11.2.0	1	EQ	P	8.86	0.02	3.1	1.447	1.75	1.00000
DL/KP10-11.3.0	1	EQ	P	8.88	0.03	3.6	1.481	1.58	1.00000
DL/KP10-11.0.0	1	EQ	P	8.93	-0.01	3.5	1.584	1.53	1.00000
DL/KP11-12.1.0-1	1	EQ	P	8.69	0.35	0.1	0.823	3.06	1.00000
DL/KP11-12.2.0	1	EQ	P	8.91	0.67	6.2	1.174	0.99	1.00000
DL/KP11-12.3.0	1	EQ	P	8.92	0.68	6.6	1.203	0.82	1.00000
DL/KP11-12.0.0	1	EQ	P	9.07	0.83	5.8	1.412	1.04	1.00000
DL/KP12-13.1.0-1	1	EQ	P	8.74	0.85	0.0	0.396	3.28	1.00000
DL/KP12-13.2.0-1	1	EQ	P	8.71	1.01	6.8	0.556	1.15	1.00000
DL/KP12-13.0.0-1	1	EQ	P	8.82	1.10	5.7	0.673	1.46	1.00000
DL/KP13-14.1.0-1	1	EQ	P	8.67	1.12	0.2	0.584	3.43	1.00000
DL/KP13-14.2.0	1	EQ	P	9.13	2.20	5.4	1.098	1.78	1.00000
DL/KP13-14.3.0	1	EQ	P	9.16	2.33	6.4	1.192	1.50	1.00000
DL/KP13-14.0.0	1	EQ	P	9.32	2.50	5.4	1.428	1.76	1.00000
DL/KP14-15.1.0-1	1	EQ	P	8.66	1.47	0.2	0.812	3.62	1.00000
DL/KP14-15.2.0	1	EQ	P	8.98	2.42	1.9	0.983	3.23	1.00000
DL/KP14-15.0.0	1	EQ	P	8.98	2.59	4.8	0.642	2.35	1.00000
DL/KP15-16.1.0	1	EQ	P	8.66	1.68	0.0	0.784	3.77	1.00000
DL/KP15-16.2.0-1	1	EQ	P	8.71	1.88	1.9	0.973	3.21	1.00000
DL/KP15-16.3.0	1	EQ	P	8.75	2.03	3.3	1.089	2.79	1.00000
DL/KP15-16.4.0	1	EQ	P	8.82	2.20	1.8	1.028	3.31	1.00000
DL/KP16-17.1.0	1	EQ	P	8.56	1.60	0.0	0.538	3.84	1.00000
DL/KP16-17.2.0	1	EQ	P	8.59	2.02	5.5	0.787	2.23	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DL/KP16-17.3.0	1	EQ	P	8.61	2.26	7.1	0.975	1.78	0.98286
DL/KP16-17.4.0	1	EQ	P	8.84	3.05	6.2	0.997	2.23	0.94696
DL/KP16-17.5.0	1	EQ	P	8.94	3.22	4.3	0.893	2.88	0.96927
DL/KP17-18.1.0	1	EQ	P	8.52	1.71	0.0	0.490	3.94	1.00000
DL/KP17-18.2.0	1	EQ	P	8.55	2.21	6.1	0.731	2.15	1.00000
DL/KP17-18.3.0	1	EQ	P	8.55	2.21	6.1	0.731	2.15	1.00000
DL/KP17-18.4.0	1	EQ	P	8.79	3.11	5.5	0.766	2.57	1.00000
DL/KP17-18.5.0	1	EQ	P	8.79	3.11	5.5	0.766	2.57	1.00000
DL/KP18-19.1.0-1	1	EQ	P	8.38	1.26	0.0	1.105	3.85	1.00000
DL/KP18-19.2.0-1	1	EQ	P	8.46	1.70	3.1	1.165	2.97	1.00000
DL/KP18-19.3.0-1	1	EQ	P	8.68	2.63	3.0	1.210	3.26	1.00000
DL/KP18-19.4.0-1	1	EQ	P	8.79	3.02	0.0	1.189	4.32	1.00000
DL/KP19-20.0.0-1	1	EQ	P	8.23	0.66	0.0	1.641	3.70	1.00000
DL/KP20-21.0.0-1	1	EQ	P	8.18	0.41	0.0	1.838	3.63	1.00000
DL/KP21-22.0.0-1	1	EQ	P	8.19	0.51	0.0	1.915	3.67	1.00000
DL/KP1-3.1.0-1	1	EQ	P	8.17	-0.55	-0.2	1.117	3.09	1.00000
DL/KP1-3.0.0	1	EQ	P	8.32	-1.90	0.9	0.909	2.03	1.00000
DL/KP2-4.1.0	2	EQ	P	8.44	-2.37	1.0	1.109	1.67	1.00000
DL/KP2-4.2.0	2	EQ	P	8.53	-3.32	2.2	0.896	0.71	1.00000
DL/KP2-4.0.0	2	EQ	P	8.56	-3.60	3.8	0.767	0.02	0.91892
DL/KP3-5.1.0-2	2	EQ	P	8.47	-2.36	-1.3	0.752	1.53	1.00000
DL/KP3-5.2.0-2	2	EQ	P	8.65	-3.25	-1.0	0.663	0.99	0.78320
DL/KP3-5.3.0	1	EQ	P	8.40	-3.92	13.0	0.856	-3.17	0.76466
DL/KP3-5.0.0	1	EQ	P	8.37	-4.23	14.5	0.460	-3.82	0.44638
DL/KP4-6.1.0-1	2	EQ	P	8.61	-2.54	0.0	0.842	1.72	0.87692
DL/KP5-7.1.0-2	2	EQ	P	8.70	-2.10	0.0	0.718	1.85	0.84511
DL/KP6-8.1.0	2	EQ	P	9.03	-2.69	2.2	1.376	0.52	1.00000
DL/KP6-8.2.0	2	EQ	P	9.04	-2.72	2.7	1.375	0.31	0.98925
DL/KP6-8.0.0	2	EQ	P	9.06	-2.75	3.1	1.375	0.17	0.97963
DL/KP7-9.1.0	1	EQ	P	8.90	-1.69	1.1	1.183	1.51	1.00000
DL/KP7-9.2.0-1	1	EQ	P	8.74	-1.39	4.0	0.812	0.87	0.88915
DL/KP7-9.3.0-1	1	EQ	P	8.75	-1.42	4.5	0.808	0.68	0.85473
DL/KP7-9.0.0	1	EQ	P	9.05	-1.93	5.1	1.292	-0.09	0.99776
DL/KP8-10.1.0-1	1	EQ	P	8.66	-0.69	1.0	0.728	2.27	1.00000
DL/KP8-10.2.0-1	1	EQ	P	8.65	-0.74	6.6	0.671	0.39	0.71593
DL/KP8-10.3.0-1	1	EQ	P	8.66	-0.76	7.1	0.673	0.20	0.70751
DL/KP8-10.0.0	1	EQ	P	8.97	-1.11	6.6	1.150	-0.11	1.00000
DL/KP9-11.1.0-1	1	EQ	P	8.76	-0.25	-2.4	0.452	1.94	0.21459
DL/KP9-11.0.0-1	1	EQ	P	8.84	-0.34	7.6	0.453	0.06	0.14705
DL/KP13-15.1.0	1	EQ	P	9.51	3.12	0.3	0.393	3.54	0.96890
DL/KP13-15.2.0	1	EQ	P	9.47	3.34	8.2	0.945	1.07	0.30596
DL/KP13-15.3.0	1	EQ	P	9.50	3.47	9.0	1.060	0.82	0.10278
DL/KP14-16.1.0-1	1	EQ	P	8.96	2.40	1.2	0.167	3.44	1.00000
DL/KP14-16.2.0	1	EQ	P	8.98	2.64	5.0	0.624	2.29	1.00000
DL/KP14-16.3.0	1	EQ	P	9.00	2.82	6.8	0.837	1.77	1.00000
DL/KP14-16.4.0	1	EQ	P	9.00	2.82	6.8	0.837	1.77	1.00000
DL/KP14-16.5.0	1	EQ	P	9.11	2.96	4.4	0.684	2.53	1.00000
DL/KP15-17.1.0	1	EQ	P	8.94	2.87	4.2	0.187	2.71	1.00000
DL/KP15-17.2.0	1	EQ	P	8.86	3.38	10.5	0.862	0.92	0.71822
DL/KP15-17.3.0-1	1	EQ	P	8.86	3.61	11.7	1.016	0.60	0.55549
DL/KP15-17.4.0	1	EQ	P	8.89	3.77	12.3	1.122	0.43	0.45313
DL/KP15-17.5.0	1	EQ	P	9.17	4.55	10.8	1.151	1.08	0.64826
DL/KP15-17.6.0	1	EQ	P	9.31	4.71	9.0	1.098	1.65	0.79299
DL/KP16-18.1.0	1	EQ	P	8.76	2.99	7.2	0.225	1.95	0.89310
DL/KP16-18.2.0	1	EQ	P	8.64	3.63	13.2	0.839	0.28	0.05411
DL/KP16-18.3.0	1	EQ	P	8.64	3.63	13.2	0.839	0.28	0.05411
DL/KP17-19.1.0-1	1	EQ	P	8.69	2.55	0.0	0.147	4.18	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DL/KP17-19.2.0-1	1	EQ	P	8.63	3.34	10.5	0.624	1.13	0.70882
DL/KP17-19.3.0-1	1	EQ	P	8.63	3.34	10.5	0.624	1.13	0.70882
DL/KP17-19.4.0	1	EQ	P	9.05	4.98	9.3	0.695	1.92	0.70946
DL/KP17-19.5.0	1	EQ	P	9.05	4.98	9.3	0.695	1.92	0.70946
DL/KP18-20.1.0-1	1	EQ	P	8.47	1.73	0.0	0.983	4.00	1.00000
DL/KP18-20.2.0-1	1	EQ	P	8.56	2.24	3.5	1.047	3.02	1.00000
DL/KP18-20.3.0-1	1	EQ	P	8.80	3.28	3.4	1.073	3.34	1.00000
DL/KP18-20.4.0	1	EQ	P	9.12	4.74	0.0	1.069	4.85	0.98032
DL/KP19-21.0.0-1	1	EQ	P	8.27	0.89	0.0	1.623	3.77	1.00000
DL/KP20-22.0.0-1	1	EQ	P	8.24	0.81	0.0	1.853	3.76	1.00000

DETAILED LIST OF GZMAX, RANGE, OPENING, INFLOODED WATER AND S VALUES

NOTE! One line per case corresponding the stage and phase giving the minimum s

CASE = Initial/Damage case - worst phase or stage giving minimum s
STAGE = Intermediate flooding stage
PHASE = Intermediate filling phase
HEEL = List (+ port / - starboard)
GZMAXR = Maximum GZ from equilibrium to flooding angle
RANGEF = Range up to flooding angle
FAUN = Flooding angle of critical unprotected opening
FLUNOP = Critical flooding unprotected opening
WFL = Total amount of sea water in damaged spaces
S = "s" - factor

PROBABILISTIC DAMAGE STABILITY

CASE	STAGE	PHASE	HEEL	GZMAXR	RANGEF	FAUN	FLUNOP	WFL	S
			degree	m	degree	degree		t	
DS/KS1.1.0	1	EQ	0.0	0.957	26.64	26.6	SW01PU	27	1.0000
DS/KS1.0.0	1	EQ	-0.1	0.949	27.78	-27.9	SW01SU	64	1.0000
DS/KS2.1.0	1	EQ	-0.6	0.885	38.66	-	-	109	1.0000
DS/KS2.0.0	1	EQ	-0.8	0.798	24.50	-25.3	SW01SU	1237	1.0000
DS/KS3.0.0-1	1	EQ	-0.6	0.794	25.70	-26.3	O052SD05	1183	1.0000
DS/KS4.1.0	2	EQ	0.0	0.745	24.87	24.9	O052PD05	2646	1.0000
DS/KS4.0.0	2	EQ	-0.4	0.732	23.93	-24.4	O052SD05	3040	1.0000
DS/KS5.1.0-1	1	EQ	0.0	0.722	26.45	26.5	O052PD05	1371	1.0000
DS/KS5.2.0-1	1	EQ	-2.5	0.633	22.55	-25.0	O052SD05	2375	1.0000
DS/KS5.0.0	1	EQ	-3.1	0.629	20.82	-24.0	O052SD05	3397	1.0000
DS/KS6.0.0	1	EQ	-0.1	0.732	23.75	-23.9	O052SD05	4122	1.0000
DS/KS7.0.0	1	EQ	-0.1	0.738	23.50	-23.6	SW07SU	4234	1.0000
DS/KS8.1.0-1	1	EQ	-0.8	0.759	24.04	-24.9	SW08SU	2235	1.0000
DS/KS8.2.0	1	EQ	-1.1	0.776	23.40	-24.5	SW08SU	2841	1.0000
DS/KS8.0.0	1	EQ	-1.3	0.775	23.13	-24.4	SW08SU	3001	1.0000
DS/KS9.1.0-1	1	EQ	-0.6	0.705	24.49	-25.1	SW08SU	1832	1.0000
DS/KS9.2.0	1	EQ	-2.4	0.698	21.97	-24.4	SW08SU	3094	1.0000
DS/KS9.0.0	1	EQ	-2.3	0.733	21.60	-23.9	SW08SU	3953	1.0000
DS/KS10.1.0-1	1	EQ	0.0	0.719	24.93	25.0	O130P	2439	1.0000
DS/KS10.2.0	1	EQ	-1.3	0.721	22.67	-24.0	O146S	3480	1.0000
DS/KS10.0.0	1	EQ	-1.3	0.741	22.00	-23.3	O146S	4053	1.0000
DS/KS11.1.0-1	1	EQ	0.0	0.678	24.40	24.4	O146P	3050	1.0000
DS/KS11.2.0	1	EQ	-0.5	0.738	22.14	-22.7	O146S	4723	1.0000
DS/KS11.0.0	1	EQ	-0.9	0.734	21.51	-22.4	O146S	4989	1.0000
DS/KS12.1.0-1	1	EQ	0.0	0.647	25.84	25.8	SW11PU	3235	1.0000
DS/KS12.2.0	1	EQ	-2.5	0.690	22.97	-25.5	O202SD05	5617	1.0000
DS/KS12.0.0	1	EQ	-2.3	0.758	22.39	-24.7	O202SD05	6813	1.0000
DS/KS13.1.0-1	1	EQ	0.0	0.652	26.65	26.7	O202PD05	3295	1.0000
DS/KS13.2.0	1	EQ	-2.6	0.695	22.69	-25.3	O202SD05	5689	1.0000
DS/KS13.0.0	1	EQ	-2.4	0.761	22.12	-24.5	O202SD05	6892	1.0000
DS/KS14.1.0-1	1	EQ	0.0	0.773	26.34	26.4	O246PD05	2347	1.0000
DS/KS14.0.0	1	EQ	-0.7	0.766	23.64	-24.3	O246SD05	4925	1.0000
DS/KS15.1.0-1	1	EQ	0.0	0.765	22.12	22.1	O233P	2937	1.0000
DS/KS15.0.0	1	EQ	-1.0	0.667	21.68	-22.7	O246SD05	6008	1.0000
DS/KS16.1.0	1	EQ	0.0	0.786	23.18	23.2	O233P	2127	1.0000
DS/KS16.2.0	1	EQ	-0.7	0.758	21.49	-22.2	O233S	2574	1.0000
DS/KS16.3.0	1	EQ	0.0	0.766	21.53	21.5	O233P	3021	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/KS17.1.0	1	EQ	0.0	0.729	25.56	25.6	O246PD05	1992	1.0000
DS/KS17.2.0	1	EQ	-1.9	0.692	22.81	-24.7	O246SD05	2717	1.0000
DS/KS17.3.0	1	EQ	-1.8	0.709	21.12	-22.9	O246SD05	4308	1.0000
DS/KS18.1.0	1	EQ	0.0	0.772	25.57	25.6	O246PD05	1686	1.0000
DS/KS18.2.0	1	EQ	-1.7	0.735	23.03	-24.7	O246SD05	2412	1.0000
DS/KS18.3.0	1	EQ	-1.7	0.750	21.28	-22.9	O246SD05	4004	1.0000
DS/KS18.4.0	1	EQ	0.0	0.786	22.33	22.3	O246PD05	4723	1.0000
DS/KS19.0.0-1	1	EQ	0.0	0.840	26.72	26.7	O246PD05	818	1.0000
DS/KS20.0.0-1	1	EQ	0.0	0.982	39.55	48.4	O299PD05	473	1.0000
DS/KS21.0.0-1	1	EQ	0.0	1.004	39.71	49.6	O299PD05	275	1.0000
DS/KS22.0.0	1	EQ	0.0	1.030	39.93	49.5	O299PD05	428	1.0000
DS/KS1-2.1.0	1	EQ	-0.7	0.815	25.77	-26.5	SW01SU	193	1.0000
DS/KS1-2.0.0	1	EQ	-1.1	0.757	30.23	-31.3	SW02SU	1439	1.0000
DS/KS2-3.1.0	1	EQ	-1.6	0.633	22.52	-24.1	O052SD05	2356	1.0000
DS/KS2-3.0.0	1	EQ	-1.9	0.480	18.58	-20.5	SW01SU	3867	1.0000
DS/KS3-4.1.0-1	2	EQ	-0.4	0.544	22.26	-22.7	O052SD05	4264	1.0000
DS/KS3-4.0.0-1	2	EQ	-1.0	0.525	21.18	-22.1	O052SD05	4696	1.0000
DS/KS4-5.1.0	2	EQ	0.0	0.432	19.80	19.8	O071P	4894	1.0000
DS/KS4-5.2.0	2	EQ	0.0	0.363	15.31	15.3	O071P	7302	0.9890
DS/KS4-5.3.0	2	EQ	-0.9	0.359	18.95	-19.9	SW05SU	7781	1.0000
DS/KS4-5.0.0	2	EQ	-1.6	0.341	17.85	-19.4	SW05SU	8228	1.0000
DS/KS5-6.1.0	1	EQ	-0.2	0.520	21.29	-21.5	O052SD05	6407	1.0000
DS/KS5-6.2.0	2	EQ	-0.2	0.458	18.93	-19.1	O052SD05	8865	1.0000
DS/KS5-6.0.0	2	EQ	-1.2	0.439	17.45	-18.6	O052SD05	9344	1.0000
DS/KS6-7.0.0	1	EQ	-0.3	0.474	16.91	-17.2	O120S	8950	1.0000
DS/KS7-8.1.0	1	EQ	-1.2	0.502	20.26	-21.5	SW08SU	7244	1.0000
DS/KS7-8.2.0	1	EQ	-1.6	0.498	19.81	-21.4	SW08SU	7438	1.0000
DS/KS7-8.0.0	1	EQ	-1.8	0.495	19.49	-21.3	O052SD05	7607	1.0000
DS/KS8-9.1.0-1	1	EQ	-1.9	0.522	21.95	-23.8	SW07SU	4286	1.0000
DS/KS8-9.2.0	1	EQ	-4.1	0.529	18.59	-22.7	SW07SU	6264	1.0000
DS/KS8-9.3.0	1	EQ	-4.3	0.527	18.29	-22.6	O120S	6434	1.0000
DS/KS8-9.0.0	1	EQ	-4.1	0.543	17.20	-21.3	O120S	7324	1.0000
DS/KS9-10.1.0-1	1	EQ	-0.8	0.471	21.75	-22.6	O146S	4506	1.0000
DS/KS9-10.2.0	1	EQ	-3.9	0.449	16.46	-20.3	O146S	6642	1.0000
DS/KS9-10.0.0	1	EQ	-3.7	0.464	15.45	-19.1	O146S	7802	0.9913
DS/KS10-11.1.0-1	1	EQ	0.1	0.406	20.97	21.1	O130P	5809	1.0000
DS/KS10-11.2.0	1	EQ	-2.2	0.477	21.35	-23.6	O102SD05	8673	1.0000
DS/KS10-11.3.0	1	EQ	-2.6	0.476	20.82	-23.4	O102SD05	8953	1.0000
DS/KS10-11.0.0	1	EQ	-2.6	0.499	20.52	-23.1	O102SD05	9563	1.0000
DS/KS11-12.1.0-1	1	EQ	0.0	0.391	20.75	20.8	O146P	6701	1.0000
DS/KS11-12.2.0	1	EQ	-4.1	0.376	13.86	-18.0	O146S	9540	0.9647
DS/KS11-12.3.0	1	EQ	-4.5	0.368	13.23	-17.7	O146S	9825	0.9535
DS/KS11-12.0.0	1	EQ	-4.0	0.388	12.45	-16.5	O146S	11093	0.9391
DS/KS12-13.1.0-1	1	EQ	0.0	0.385	24.01	24.0	SW11PU	7014	1.0000
DS/KS12-13.2.0	1	EQ	-3.6	0.437	19.49	-23.1	O202SD05	9564	1.0000
DS/KS12-13.0.0	1	EQ	-3.2	0.496	19.12	-22.4	O202SD05	10853	1.0000
DS/KS13-14.1.0-1	1	EQ	0.1	0.410	23.31	23.4	O246PD05	6093	1.0000
DS/KS13-14.2.0	1	EQ	-3.0	0.426	17.04	-20.1	O246SD05	10960	1.0000
DS/KS13-14.3.0	1	EQ	-3.7	0.420	15.96	-19.7	O246SD05	11442	0.9994
DS/KS13-14.0.0	1	EQ	-3.4	0.460	15.46	-18.8	O246SD05	12725	0.9915
DS/KS14-15.1.0	1	EQ	0.1	0.384	13.80	13.9	O233P	8071	0.9636
DS/KS14-15.2.0	1	EQ	-0.9	0.357	12.22	-13.1	O233S	8556	0.9349
DS/KS14-15.0.0	1	EQ	-1.5	0.462	18.48	-20.0	O246SD05	9325	1.0000
DS/KS15-16.1.0-1	1	EQ	0.0	0.673	23.09	23.1	O246PD05	5523	1.0000
DS/KS15-16.2.0-1	1	EQ	-1.0	0.655	21.59	-22.6	O246SD05	6013	1.0000
DS/KS15-16.3.0	1	EQ	-1.9	0.650	20.24	-22.2	O246SD05	6496	1.0000
DS/KS15-16.4.0	1	EQ	-0.9	0.674	20.84	-21.8	O246SD05	6987	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/KS16-17.1.0	1	EQ	0.0	0.400	17.41	17.4	O233P	4650	1.0000
DS/KS16-17.2.0	1	EQ	-2.7	0.328	13.33	-16.1	O233S	5450	0.9554
DS/KS16-17.3.0	1	EQ	-3.8	0.292	11.43	-15.2	O233S	5966	0.9194
DS/KS16-17.4.0	1	EQ	-3.5	0.235	8.59	-12.1	O233S	7715	0.8560
DS/KS16-17.5.0	1	EQ	-2.4	0.243	8.88	-11.2	O233S	8225	0.8631
DS/KS17-18.1.0	1	EQ	0.0	0.509	22.36	22.4	O246PD05	4380	1.0000
DS/KS17-18.2.0	1	EQ	-3.1	0.454	18.39	-21.5	O246SD05	5253	1.0000
DS/KS17-18.3.0	1	EQ	-3.1	0.454	18.39	-21.5	O246SD05	5253	1.0000
DS/KS17-18.4.0	1	EQ	-2.9	0.442	16.74	-19.7	O246SD05	7137	1.0000
DS/KS17-18.5.0	1	EQ	-2.9	0.442	16.74	-19.7	O246SD05	7137	1.0000
DS/KS18-19.1.0-1	1	EQ	0.0	0.638	23.47	23.5	O246PD05	2928	1.0000
DS/KS18-19.2.0-1	1	EQ	-2.1	0.591	20.51	-22.6	O246SD05	3763	1.0000
DS/KS18-19.3.0-1	1	EQ	-2.0	0.586	18.67	-20.7	O246SD05	5586	1.0000
DS/KS18-19.4.0-1	1	EQ	0.0	0.620	19.90	19.9	O246PD05	6405	1.0000
DS/KS19-20.0.0-1	1	EQ	0.0	0.794	25.38	25.4	O246PD05	1437	1.0000
DS/KS20-21.0.0-1	1	EQ	0.0	0.985	39.49	46.6	O299PD05	801	1.0000
DS/KS21-22.0.0-1	1	EQ	0.0	1.033	39.87	47.7	O299PD05	734	1.0000
DS/KS1-3.1.0	1	EQ	-2.4	0.519	19.56	-21.9	SW01SU	2685	1.0000
DS/KS1-3.0.0	1	EQ	-3.3	0.407	17.70	-21.0	O052SD05	4441	1.0000
DS/KS2-4.1.0	2	EQ	-2.4	0.374	17.99	-20.4	O052SD05	5672	1.0000
DS/KS2-4.2.0	2	EQ	-3.5	0.142	8.14	-11.6	O003S	7759	0.8444
DS/KS2-4.0.0	2	EQ	-4.6	0.070	3.88	-8.5	O003S	8309	0.2451
DS/KS3-5.1.0-2	2	EQ	-0.4	0.236	20.58	-21.0	SW05SU	6186	1.0000
DS/KS4-6.1.0-1	2	EQ	0.0	0.210	15.09	15.1	O036P	7778	0.9855
DS/KS5-7.1.0	1	EQ	-0.5	0.260	12.38	-12.9	O120S	11644	0.9379
DS/KS5-7.2.0	2	EQ	-0.6	0.158	7.79	-8.4	SW04S	14671	0.8352
DS/KS5-7.0.0	2	EQ	-2.0	0.056	2.75	-4.8	SW04S	15187	0.1158
DS/KS6-8.1.0	1	EQ	-2.1	0.314	14.79	-16.9	O052SD05	12419	0.9806
DS/KS6-8.2.0	1	EQ	-2.6	0.307	14.20	-16.8	O052SD05	12630	0.9707
DS/KS6-8.0.0	1	EQ	-2.8	0.301	13.81	-16.7	O052SD05	12812	0.9639
DS/KS7-9.1.0-1	1	EQ	-2.8	0.246	18.15	-21.0	O052SD05	8253	1.0000
DS/KS7-9.2.0	1	EQ	-5.6	0.259	13.16	-18.8	O052SD05	11375	0.9522
DS/KS7-9.3.0	1	EQ	-5.9	0.255	12.79	-18.7	O052SD05	11557	0.9456
DS/KS7-9.0.0	1	EQ	-5.6	0.276	12.45	-18.1	O052SD05	12501	0.9393
DS/KS8-10.1.0	1	EQ	-2.6	0.337	15.34	-17.9	O146S	8861	0.9895
DS/KS8-10.2.0	1	EQ	-6.5	0.256	10.22	-16.7	O146S	10181	0.8941
DS/KS8-10.3.0	1	EQ	-6.7	0.249	9.81	-16.5	O146S	10363	0.8849
DS/KS8-10.0.0	1	EQ	-6.4	0.255	8.99	-15.4	O146S	11561	0.8659
DS/KS9-11.1.0-1	1	EQ	-1.6	0.203	20.26	-21.8	SW08SU	8196	1.0000
DS/KS9-11.2.0	1	EQ	-6.0	0.265	13.88	-19.9	SW08SU	12338	0.9650
DS/KS9-11.3.0	1	EQ	-6.4	0.263	13.35	-19.8	SW08SU	12641	0.9557
DS/KS9-11.0.0	1	1	-3.5	0.590	15.76	-23.6	SW08SU	5437	0.3760
DS/KS10-12.1.0	1	EQ	0.1	0.252	15.45	15.6	O130P	12021	0.9914
DS/KS10-12.2.0	1	EQ	-7.8	0.201	13.39	-21.2	O202SD05	14017	0.9092
DS/KS10-12.3.0	1	EQ	-8.1	0.199	12.88	-21.0	O202SD05	14318	0.8777
DS/KS10-12.0.0	1	EQ	-6.9	0.277	13.08	-20.0	O202SD05	16290	0.9509
DS/KS11-13.1.0	1	EQ	0.1	0.196	15.20	15.3	O146P	12594	0.9873
DS/KS11-13.2.0	1	EQ	-7.0	0.116	6.88	-13.9	O146S	14034	0.8012
DS/KS11-13.3.0	1	EQ	-7.5	0.107	6.11	-13.6	O146S	14335	0.6595
DS/KS11-13.0.0	1	EQ	-6.3	0.122	6.03	-12.4	O146S	15704	0.7834
DS/KS12-14.1.0-1	1	EQ	0.1	0.161	20.82	21.0	O246PD05	10296	1.0000
DS/KS12-14.2.0	1	EQ	-4.4	0.196	12.96	-17.4	O246SD05	15510	0.9487
DS/KS12-14.3.0	1	EQ	-5.4	0.189	11.63	-17.0	O246SD05	16023	0.9234
DS/KS12-14.0.0	1	EQ	-4.6	0.227	11.45	-16.1	O246SD05	17402	0.9197
DS/KS13-15.1.0	1	EQ	0.1	0.128	6.03	6.1	O233P	14245	0.7835
DS/KS13-15.4.0-1	1	EQ	-9.6	0.126	8.96	-18.5	O246SD05	11793	0.7126
DS/KS14-16.1.0-1	1	EQ	0.1	0.471	20.30	20.4	O246PD05	8801	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/KS14-16.2.0-1	1	EQ	-1.6	0.451	18.36	-19.9	O246SD05	9334	1.0000
DS/KS14-16.3.0	1	EQ	-3.0	0.440	16.51	-19.5	O246SD05	9856	1.0000
DS/KS14-16.4.0	1	EQ	-3.0	0.440	16.51	-19.5	O246SD05	9856	1.0000
DS/KS14-16.5.0	1	EQ	-1.4	0.464	17.67	-19.1	O246SD05	10394	1.0000
DS/KS15-17.1.0-1	1	EQ	0.1	0.301	20.38	20.4	SW14PU	8866	1.0000
DS/KS15-17.2.0-1	1	EQ	-4.6	0.248	15.12	-19.7	SW17SU	9747	0.9860
DS/KS15-17.3.0-1	1	EQ	-5.9	0.224	13.23	-19.1	SW17SU	10296	0.9536
DS/KS15-17.4.0	1	EQ	-6.7	0.211	11.83	-18.6	SW17SU	10832	0.9272
DS/KS16-18.1.0	1	EQ	0.0	0.128	11.27	11.3	O233P	7836	0.9162
DS/KS16-18.2.0	1	EQ	-5.6	0.056	3.98	-9.6	O233S	8833	0.1207
DS/KS16-18.3.0	1	EQ	-5.6	0.056	3.98	-9.6	O233S	8833	0.1207
DS/KS17-19.1.0	1	EQ	0.0	0.225	14.69	14.7	O299S	7582	0.9790
DS/KS18-20.1.0-1	1	EQ	0.0	0.553	21.77	21.8	O246PD05	3938	1.0000
DS/KS18-20.2.0	1	EQ	-2.3	0.340	12.19	-14.5	O312S	6538	0.9343
DS/KS19-21.0.0-1	1	EQ	0.0	0.776	24.48	24.5	O246PD05	1888	1.0000
DS/KS20-22.0.0-1	1	EQ	0.0	1.011	39.64	44.3	O299PD05	1317	1.0000
DP/KS1.1.0	1	EQ	0.0	0.904	28.50	28.5	SW01PU	4	1.0000
DP/KS1.0.0	1	EQ	-0.0	0.891	29.88	-29.9	SW01SU	21	1.0000
DP/KS2.1.0	1	EQ	-0.5	0.822	38.11	-	-	84	1.0000
DP/KS2.0.0	1	EQ	-0.7	0.769	26.51	-27.2	SW01SU	1124	1.0000
DP/KS3.0.0-1	1	EQ	-0.7	0.758	27.42	-28.1	O052SD05	1069	1.0000
DP/KS4.1.0	2	EQ	0.0	0.719	26.67	26.7	O052PD05	2538	1.0000
DP/KS4.0.0	2	EQ	-0.5	0.713	25.67	-26.2	O052SD05	2932	1.0000
DP/KS5.1.0-1	1	EQ	0.0	0.692	28.24	28.2	O052PD05	1302	1.0000
DP/KS5.2.0-1	1	EQ	-2.6	0.608	24.14	-26.7	O052SD05	2261	1.0000
DP/KS5.0.0	1	EQ	-3.3	0.613	22.38	-25.7	O052SD05	3284	1.0000
DP/KS6.0.0	1	EQ	-0.1	0.713	25.51	-25.7	O052SD05	3992	1.0000
DP/KS7.0.0	1	EQ	-0.2	0.720	25.10	-25.3	SW07SU	4102	1.0000
DP/KS8.1.0-1	1	EQ	-0.8	0.723	25.64	-26.5	SW08SU	2141	1.0000
DP/KS8.2.0	1	EQ	-1.1	0.745	24.98	-26.1	SW08SU	2748	1.0000
DP/KS8.0.0	1	EQ	-1.3	0.745	24.68	-26.0	SW08SU	2907	1.0000
DP/KS9.1.0-1	1	EQ	-0.6	0.666	26.07	-26.7	SW08SU	1707	1.0000
DP/KS9.2.0	1	EQ	-2.6	0.667	23.39	-26.0	SW08SU	2972	1.0000
DP/KS9.0.0	1	EQ	-2.5	0.713	23.02	-25.5	SW08SU	3828	1.0000
DP/KS10.1.0-1	1	EQ	0.0	0.680	28.18	28.2	SW09PU	2298	1.0000
DP/KS10.2.0	1	EQ	-1.4	0.693	26.27	-27.7	O146S	3341	1.0000
DP/KS10.0.0	1	EQ	-1.4	0.728	25.50	-26.9	O146S	3912	1.0000
DP/KS11.1.0-1	1	EQ	0.0	0.640	27.45	27.5	SW11PU	2872	1.0000
DP/KS11.2.0	1	EQ	-0.6	0.714	25.82	-26.4	O146S	4545	1.0000
DP/KS11.0.0	1	EQ	-0.9	0.717	25.12	-26.0	O146S	4814	1.0000
DP/KS12.1.0-1	1	EQ	0.0	0.604	27.48	27.5	SW11PU	3059	1.0000
DP/KS12.2.0	1	EQ	-2.8	0.650	24.38	-27.2	O202SD05	5441	1.0000
DP/KS12.0.0	1	EQ	-2.6	0.726	23.82	-26.4	O202SD05	6638	1.0000
DP/KS13.1.0-1	1	EQ	0.0	0.609	28.34	28.3	O202PD05	3114	1.0000
DP/KS13.2.0	1	EQ	-2.9	0.655	24.08	-27.0	O202SD05	5509	1.0000
DP/KS13.0.0	1	EQ	-2.6	0.730	23.52	-26.2	O202SD05	6713	1.0000
DP/KS14.1.0-1	1	EQ	0.0	0.730	27.95	28.0	O246PD05	2197	1.0000
DP/KS14.0.0	1	EQ	-0.8	0.736	25.15	-25.9	O246SD05	4777	1.0000
DP/KS15.1.0-1	1	EQ	0.0	0.774	25.63	25.6	O233P	2791	1.0000
DP/KS15.0.0	1	EQ	-1.2	0.651	23.07	-24.3	O246SD05	5725	1.0000
DP/KS16.1.0	1	EQ	0.0	0.777	26.63	26.6	O233P	2006	1.0000
DP/KS16.2.0	1	EQ	-0.9	0.773	24.73	-25.6	O233S	2454	1.0000
DP/KS16.3.0	1	EQ	0.0	0.795	24.91	24.9	O233P	2901	1.0000
DP/KS17.1.0	1	EQ	0.0	0.689	27.12	27.1	O246PD05	1809	1.0000
DP/KS17.2.0	1	EQ	-2.2	0.658	24.04	-26.3	O246SD05	2536	1.0000
DP/KS17.3.0	1	EQ	-2.1	0.701	22.34	-24.4	O246SD05	4130	1.0000
DP/KS18.1.0	1	EQ	0.0	0.734	27.14	27.1	O246PD05	1525	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/KS18.2.0	1	EQ	-1.9	0.703	24.34	-26.3	O246SD05	2252	1.0000
DP/KS18.3.0	1	EQ	-1.8	0.744	22.57	-24.4	O246SD05	3845	1.0000
DP/KS18.4.0	1	EQ	0.0	0.780	23.90	23.9	O246PD05	4565	1.0000
DP/KS19.0.0-1	1	EQ	0.0	0.803	28.31	28.3	O246PD05	714	1.0000
DP/KS20.0.0-1	1	EQ	0.0	0.924	38.94	-	-	416	1.0000
DP/KS21.0.0-1	1	EQ	0.0	0.946	39.10	-	-	242	1.0000
DP/KS22.0.0	1	EQ	0.0	0.971	39.32	-	-	420	1.0000
DP/KS1-2.1.0	1	EQ	-0.6	0.764	27.87	-28.4	SW01SU	116	1.0000
DP/KS1-2.0.0	1	EQ	-0.9	0.705	33.22	-34.1	SW02SU	1241	1.0000
DP/KS2-3.1.0	1	EQ	-1.6	0.614	24.22	-25.8	O052SD05	2211	1.0000
DP/KS2-3.0.0	1	EQ	-2.0	0.491	20.34	-22.3	SW01SU	3614	1.0000
DP/KS3-4.1.0-1	2	EQ	-0.6	0.537	23.91	-24.5	O052SD05	4015	1.0000
DP/KS3-4.0.0-1	2	EQ	-1.2	0.521	22.76	-23.9	O052SD05	4446	1.0000
DP/KS4-5.1.0-1	2	EQ	0.0	0.417	24.44	24.4	O071P	4094	1.0000
DP/KS4-5.2.0	2	EQ	0.0	0.366	18.86	18.9	O071P	7005	1.0000
DP/KS4-5.3.0	2	EQ	-1.0	0.351	20.65	-21.6	SW05SU	7482	1.0000
DP/KS4-5.0.0	2	EQ	-1.6	0.335	19.51	-21.2	SW05SU	7929	1.0000
DP/KS5-6.1.0	1	EQ	-0.2	0.505	23.01	-23.2	O052SD05	6200	1.0000
DP/KS5-6.2.0	2	EQ	-0.2	0.453	20.67	-20.9	O052SD05	8545	1.0000
DP/KS5-6.0.0	2	EQ	-1.2	0.438	19.13	-20.4	O052SD05	9022	1.0000
DP/KS6-7.0.0	1	EQ	-0.4	0.509	20.51	-20.9	O120S	8671	1.0000
DP/KS7-8.1.0	1	EQ	-1.2	0.491	21.81	-23.0	SW08SU	7008	1.0000
DP/KS7-8.2.0	1	EQ	-1.6	0.487	21.33	-22.9	SW08SU	7202	1.0000
DP/KS7-8.0.0	1	EQ	-1.8	0.484	21.02	-22.8	SW08SU	7371	1.0000
DP/KS8-9.1.0-1	1	EQ	-1.9	0.485	23.55	-25.5	SW07SU	4052	1.0000
DP/KS8-9.2.0	1	EQ	-4.3	0.506	20.04	-24.3	SW07SU	6036	1.0000
DP/KS8-9.3.0	1	EQ	-4.5	0.505	19.73	-24.2	SW07SU	6206	1.0000
DP/KS8-9.0.0	1	EQ	-4.3	0.544	19.39	-23.7	SW07SU	7094	1.0000
DP/KS9-10.1.0-1	1	EQ	-0.9	0.442	24.37	-25.3	SW08SU	4203	1.0000
DP/KS9-10.2.0	1	EQ	-4.1	0.458	19.62	-23.8	O146S	6367	1.0000
DP/KS9-10.0.0	1	EQ	-3.9	0.496	18.51	-22.4	O146S	7520	1.0000
DP/KS10-11.1.0-1	1	EQ	0.1	0.380	24.31	24.4	O130P	5466	1.0000
DP/KS10-11.2.0	1	EQ	-2.4	0.457	22.90	-25.3	O102SD05	8338	1.0000
DP/KS10-11.3.0	1	EQ	-2.8	0.456	22.35	-25.2	O102SD05	8623	1.0000
DP/KS10-11.0.0	1	EQ	-2.8	0.482	22.03	-24.8	O102SD05	9229	1.0000
DP/KS11-12.1.0-1	1	EQ	0.1	0.361	24.35	24.4	O146P	6327	1.0000
DP/KS11-12.2.0	1	EQ	-4.6	0.399	16.78	-21.4	O146S	9188	1.0000
DP/KS11-12.3.0	1	EQ	-4.9	0.396	16.10	-21.0	O146S	9474	1.0000
DP/KS11-12.0.0	1	EQ	-4.5	0.434	15.28	-19.7	O146S	10736	0.9886
DP/KS12-13.1.0-1	1	EQ	0.0	0.331	25.68	25.7	SW11PU	6636	1.0000
DP/KS12-13.2.0	1	EQ	-4.3	0.389	20.56	-24.9	O202SD05	9184	1.0000
DP/KS12-13.0.0	1	EQ	-3.8	0.466	20.30	-24.1	O202SD05	10475	1.0000
DP/KS13-14.1.0-1	1	EQ	0.1	0.381	24.92	25.0	O246PD05	5741	1.0000
DP/KS13-14.2.0	1	EQ	-3.5	0.406	18.13	-21.7	O246SD05	10613	1.0000
DP/KS13-14.3.0	1	EQ	-4.3	0.405	16.98	-21.3	O246SD05	11097	1.0000
DP/KS13-14.0.0	1	EQ	-3.8	0.455	16.56	-20.4	O246SD05	12381	1.0000
DP/KS14-15.1.0-1	1	EQ	0.1	0.534	20.39	20.5	O233P	5427	1.0000
DP/KS14-15.2.0	1	EQ	-1.1	0.418	15.20	-16.3	O233S	8246	0.9872
DP/KS14-15.0.0	1	EQ	-2.2	0.455	19.46	-21.6	O246SD05	8852	1.0000
DP/KS15-16.1.0	1	EQ	0.0	0.651	24.70	24.7	O246PD05	5239	1.0000
DP/KS15-16.2.0	1	EQ	-1.2	0.639	22.96	-24.2	O246SD05	5730	1.0000
DP/KS15-16.3.0	1	EQ	-2.4	0.640	21.42	-23.8	O246SD05	6215	1.0000
DP/KS15-16.4.0	1	EQ	-1.1	0.665	22.25	-23.4	O246SD05	6707	1.0000
DP/KS16-17.1.0	1	EQ	0.0	0.429	20.18	20.2	O233P	4317	1.0000
DP/KS16-17.2.0	1	EQ	-3.3	0.359	15.45	-18.8	O233S	5122	0.9913
DP/KS16-17.3.0	1	EQ	-4.6	0.327	13.40	-18.0	O233S	5641	0.9566
DP/KS16-17.4.0	1	EQ	-4.2	0.287	10.84	-15.0	O233S	7395	0.9072

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/KS16-17.5.0	1	EQ	-2.8	0.298	11.36	-14.2	O233S	7906	0.9179
DP/KS17-18.1.0	1	EQ	0.0	0.493	23.94	23.9	O246PD05	3979	1.0000
DP/KS17-18.2.0	1	EQ	-3.8	0.445	19.26	-23.1	O246SD05	4863	1.0000
DP/KS17-18.3.0	1	EQ	-3.8	0.445	19.26	-23.1	O246SD05	4863	1.0000
DP/KS17-18.4.0	1	EQ	-3.5	0.448	17.69	-21.2	O246SD05	6751	1.0000
DP/KS17-18.5.0	1	EQ	-3.5	0.448	17.69	-21.2	O246SD05	6751	1.0000
DP/KS18-19.1.0-1	1	EQ	0.0	0.616	25.09	25.1	O246PD05	2616	1.0000
DP/KS18-19.2.0-1	1	EQ	-2.4	0.577	21.82	-24.2	O246SD05	3454	1.0000
DP/KS18-19.3.0-1	1	EQ	-2.3	0.590	19.94	-22.2	O246SD05	5278	1.0000
DP/KS18-19.4.0-1	1	EQ	0.0	0.627	21.48	21.5	O246PD05	6095	1.0000
DP/KS19-20.0.0-1	1	EQ	0.0	0.760	27.03	27.0	O246PD05	1255	1.0000
DP/KS20-21.0.0-1	1	EQ	0.0	0.927	38.89	49.7	O299PD05	703	1.0000
DP/KS21-22.0.0-1	1	EQ	0.0	0.975	39.28	-	-	691	1.0000
DP/KS1-3.1.0	1	EQ	-2.3	0.521	21.41	-23.7	SW01SU	2448	1.0000
DP/KS1-3.0.0	1	EQ	-3.2	0.412	19.51	-22.7	O052SD05	4068	1.0000
DP/KS2-4.1.0	2	EQ	-2.4	0.370	19.71	-22.1	O052SD05	5386	1.0000
DP/KS2-4.2.0	2	EQ	-3.4	0.209	13.70	-17.1	SW01SU	7325	0.9619
DP/KS2-4.0.0	2	EQ	-4.5	0.184	11.82	-16.3	SW01SU	7863	0.9272
DP/KS3-5.1.0-2	2	EQ	-0.6	0.222	22.11	-22.8	SW05SU	5841	1.0000
DP/KS3-5.2.0	2	EQ	-0.1	0.191	13.84	-14.0	O021S	10524	0.9644
DP/KS3-5.3.0	2	EQ	-2.0	0.149	8.96	-11.0	O021S	11049	0.8652
DP/KS3-5.0.0	2	EQ	-3.2	0.066	3.76	-6.9	O021S	11559	0.1975
DP/KS4-6.1.0	2	EQ	-0.2	0.237	19.91	-20.1	SW03SU	9671	1.0000
DP/KS4-6.2.0-1	2	EQ	0.1	0.157	12.30	12.4	O036P	10127	0.9364
DP/KS4-6.3.0	2	EQ	-2.0	0.150	8.24	-10.2	O036S	13090	0.8470
DP/KS4-6.0.0	2	EQ	-3.1	0.077	3.97	-7.1	O036S	13601	0.2967
DP/KS5-7.1.0	1	EQ	-0.5	0.291	15.91	-16.4	O120S	11263	0.9986
DP/KS5-7.2.0	2	EQ	-0.7	0.212	11.45	-12.2	O120S	14142	0.9198
DP/KS5-7.0.0	2	EQ	-2.3	0.180	9.07	-11.4	O120S	14670	0.8677
DP/KS6-8.1.0	1	EQ	-2.1	0.308	16.56	-18.6	O052SD05	12015	1.0000
DP/KS6-8.2.0	1	EQ	-2.5	0.302	15.94	-18.5	O052SD05	12225	0.9991
DP/KS6-8.0.0	1	EQ	-2.8	0.298	15.54	-18.3	O052SD05	12408	0.9927
DP/KS7-9.1.0-1	1	EQ	-2.9	0.219	19.81	-22.7	O052SD05	7851	1.0000
DP/KS7-9.2.0	1	EQ	-5.8	0.243	14.63	-20.5	O052SD05	10978	0.9778
DP/KS7-9.3.0	1	EQ	-6.1	0.239	14.24	-20.3	O052SD05	11161	0.9714
DP/KS7-9.0.0	1	EQ	-5.8	0.266	13.93	-19.7	O052SD05	12101	0.9660
DP/KS8-10.1.0-1	1	EQ	-3.1	0.264	19.96	-23.1	O146S	6818	1.0000
DP/KS8-10.2.0	1	EQ	-6.8	0.277	13.08	-19.9	O146S	9794	0.9509
DP/KS8-10.3.0	1	EQ	-7.1	0.272	12.64	-19.7	O146S	9976	0.9370
DP/KS8-10.0.0	1	EQ	-6.7	0.294	11.83	-18.5	O146S	11168	0.9274
DP/KS9-11.1.0-1	1	EQ	-2.0	0.164	21.47	-23.4	SW08SU	7679	1.0000
DP/KS9-11.2.0	1	EQ	-6.5	0.237	14.98	-21.5	SW08SU	11871	0.9837
DP/KS9-11.3.0	1	EQ	-6.9	0.235	14.43	-21.3	SW08SU	12176	0.9745
DP/KS9-11.0.0	1	EQ	-6.4	0.275	14.27	-20.7	SW08SU	13391	0.9717
DP/KS10-12.1.0-1	1	EQ	0.3	0.131	20.65	21.0	O130P	9284	1.0000
DP/KS10-12.2.0-1	1	EQ	-7.6	0.088	16.95	-24.5	O202SD05	10272	0.5409
DP/KS10-12.3.0-1	1	EQ	-8.4	0.086	16.01	-24.4	O202SD05	10578	0.4927
DP/KS10-12.0.0	1	EQ	-7.6	0.247	13.99	-21.6	O202SD05	15760	0.9274
DP/KS11-13.1.0-1	1	EQ	0.2	0.112	20.25	20.4	O146P	10400	0.9018
DP/KS11-13.2.0-1	1	EQ	-8.1	0.085	11.61	-19.7	O146S	11105	0.4481
DP/KS11-13.3.0-1	1	EQ	-9.1	0.083	10.28	-19.4	O146S	11408	0.3871
DP/KS11-13.0.0-1	1	EQ	-7.4	0.111	11.12	-18.5	O146S	12243	0.7987
DP/KS12-14.1.0-1	1	EQ	0.3	0.115	22.40	22.7	O246PD05	9724	0.9533
DP/KS12-14.2.0-1	1	EQ	-7.5	0.088	14.69	-22.2	O246SD05	10410	0.5370
DP/KS12-14.3.0-1	1	EQ	-7.5	0.088	14.69	-22.2	O246SD05	10410	0.5370
DP/KS12-14.0.0	1	EQ	-5.6	0.207	12.22	-17.8	O246SD05	16834	0.9349
DP/KS13-15.1.0	1	EQ	0.1	0.167	9.20	9.3	O233P	13716	0.8708

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/KS13-15.2.0	1	EQ	-4.9	0.070	3.05	-7.9	O233S	14821	0.2236
DP/KS13-15.4.0-1	1	EQ	-11.9	0.095	8.34	-20.2	O246SD05	11251	0.3531
DP/KS13-15.0.0-1	1	EQ	-10.6	0.122	9.10	-19.7	O246SD05	12070	0.6472
DP/KS14-16.1.0-1	1	EQ	0.2	0.459	21.85	22.1	O246PD05	8328	1.0000
DP/KS14-16.2.0-1	1	EQ	-2.3	0.444	19.28	-21.6	O246SD05	8861	1.0000
DP/KS14-16.3.0	1	EQ	-4.0	0.438	17.08	-21.1	O246SD05	9384	1.0000
DP/KS14-16.4.0	1	EQ	-4.0	0.438	17.08	-21.1	O246SD05	9384	1.0000
DP/KS14-16.5.0	1	EQ	-1.9	0.463	18.78	-20.7	O246SD05	9924	1.0000
DP/KS15-17.1.0	1	EQ	0.1	0.279	21.94	22.0	SW14PU	8335	1.0000
DP/KS15-17.2.0	1	EQ	-6.2	0.229	15.15	-21.3	SW14SU	9229	0.9864
DP/KS15-17.3.0-1	1	EQ	-7.4	0.210	13.42	-20.9	SW14SU	9792	0.9299
DP/KS15-17.4.0	1	EQ	-8.3	0.200	12.05	-20.4	SW17SU	10335	0.8524
DP/KS15-17.5.0	1	EQ	-7.3	0.183	9.68	-17.0	O265S	12251	0.8655
DP/KS15-17.6.0	1	EQ	-5.7	0.167	7.97	-13.6	O265S	12830	0.8400
DP/KS16-18.1.0	1	EQ	0.0	0.148	14.55	14.5	O233P	7241	0.9765
DP/KS16-18.2.0	1	EQ	-7.7	0.074	5.24	-12.9	O233S	8282	0.2828
DP/KS16-18.3.0	1	EQ	-7.7	0.074	5.24	-12.9	O233S	8282	0.2828
DP/KS16-18.4.0	1	EQ	-9.3	0.041	2.63	-11.9	O233S	8925	0.0059
DP/KS17-19.1.0-1	1	EQ	0.0	0.338	21.50	21.5	O246PD05	5773	1.0000
DP/KS17-19.2.0	1	EQ	-6.0	0.249	12.55	-18.6	O299P	8066	0.9410
DP/KS17-19.3.0	1	EQ	-6.0	0.249	12.55	-18.6	O299P	8066	0.9410
DP/KS18-20.1.0-1	1	EQ	0.0	0.544	23.43	23.4	O246PD05	3506	1.0000
DP/KS18-20.2.0-1	1	EQ	-2.6	0.492	19.83	-22.5	O246SD05	4441	1.0000
DP/KS18-20.3.0	1	EQ	-2.5	0.140	5.48	-8.0	O312S	8148	0.7651
DP/KS19-21.0.0-1	1	EQ	0.0	0.748	26.20	26.2	O246PD05	1649	1.0000
DP/KS20-22.0.0-1	1	EQ	0.0	0.955	39.06	47.6	O299PD05	1207	1.0000
DL/KS1.1.0	1	EQ	0.0	0.743	31.54	31.5	SW01PU	0	1.0000
DL/KS1.0.0	1	EQ	0.0	0.743	31.54	31.5	SW01PU	2	1.0000
DL/KS2.1.0	1	EQ	-0.4	0.658	36.27	-	-	53	1.0000
DL/KS2.0.0	1	EQ	-0.6	0.612	29.67	-30.3	SW01SU	904	1.0000
DL/KS3.0.0-1	1	EQ	-0.8	0.626	30.21	-31.0	O052SD05	906	1.0000
DL/KS4.1.0	2	EQ	0.0	0.596	29.50	29.5	O052PD05	2370	1.0000
DL/KS4.0.0	2	EQ	-0.6	0.592	28.28	-28.9	O052SD05	2768	1.0000
DL/KS5.1.0-1	1	EQ	0.0	0.565	31.10	31.1	O052PD05	1202	1.0000
DL/KS5.2.0-1	1	EQ	-3.2	0.493	26.26	-29.4	O052SD05	2102	1.0000
DL/KS5.0.0	1	EQ	-3.9	0.498	24.43	-28.3	O052SD05	3126	1.0000
DL/KS6.0.0	1	EQ	-0.2	0.600	28.28	-28.5	O052SD05	3803	1.0000
DL/KS7.0.0	1	EQ	-0.2	0.603	27.58	-27.8	SW07SU	3910	1.0000
DL/KS8.1.0-1	1	EQ	-0.9	0.590	28.06	-29.0	SW08SU	2003	1.0000
DL/KS8.2.0	1	EQ	-1.3	0.611	27.34	-28.6	SW08SU	2611	1.0000
DL/KS8.0.0	1	EQ	-1.5	0.613	26.99	-28.5	SW08SU	2771	1.0000
DL/KS9.1.0-1	1	EQ	-0.7	0.530	28.51	-29.2	SW08SU	1543	1.0000
DL/KS9.2.0	1	EQ	-3.2	0.534	25.30	-28.5	SW08SU	2810	1.0000
DL/KS9.0.0	1	EQ	-2.9	0.587	25.00	-27.9	SW08SU	3662	1.0000
DL/KS10.1.0-1	1	EQ	0.0	0.543	30.91	31.0	SW09PU	2135	1.0000
DL/KS10.2.0	1	EQ	-1.8	0.558	29.34	-31.1	O102SD05	3163	1.0000
DL/KS10.0.0	1	EQ	-1.7	0.598	28.93	-30.7	O102SD05	3730	1.0000
DL/KS11.1.0-1	1	EQ	0.0	0.507	30.03	30.1	SW11PU	2703	1.0000
DL/KS11.2.0	1	EQ	-0.6	0.590	30.00	-30.6	O202SD05	4341	1.0000
DL/KS11.0.0	1	EQ	-1.0	0.594	29.44	-30.5	O202SD05	4604	1.0000
DL/KS12.1.0-1	1	EQ	0.0	0.470	30.05	30.0	SW11PU	2794	1.0000
DL/KS12.2.0	1	EQ	-3.7	0.520	26.20	-29.9	O202SD05	5176	1.0000
DL/KS12.0.0	1	EQ	-3.3	0.603	25.72	-29.0	O202SD05	6375	1.0000
DL/KS13.1.0-1	1	EQ	0.0	0.473	31.01	31.0	O202PD05	2843	1.0000
DL/KS13.2.0	1	EQ	-3.8	0.524	25.85	-29.7	O202SD05	5237	1.0000
DL/KS13.0.0	1	EQ	-3.4	0.607	25.39	-28.8	O202SD05	6444	1.0000
DL/KS14.1.0	1	EQ	0.1	0.585	28.88	28.9	O246PD05	4119	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DL/KS14.0.0	1	EQ	-1.0	0.596	27.45	-28.5	O246SD05	4556	1.0000
DL/KS15.1.0	1	EQ	0.0	0.628	27.98	28.0	O233P	4720	1.0000
DL/KS15.0.0	1	EQ	-1.8	0.519	25.08	-26.8	O246SD05	5310	1.0000
DL/KS16.1.0	1	EQ	0.0	0.637	30.44	30.4	O246PD05	1825	1.0000
DL/KS16.2.0	1	EQ	-1.2	0.634	28.74	-29.9	O246SD05	2273	1.0000
DL/KS16.3.0	1	EQ	0.0	0.660	29.63	29.6	O246PD05	2722	1.0000
DL/KS17.1.0	1	EQ	0.0	0.553	29.59	29.6	O246PD05	1535	1.0000
DL/KS17.2.0	1	EQ	-3.1	0.523	25.61	-28.7	O246SD05	2267	1.0000
DL/KS17.3.0	1	EQ	-2.8	0.583	23.97	-26.8	O246SD05	3865	1.0000
DL/KS18.1.0	1	EQ	0.0	0.602	29.62	29.6	O246PD05	1286	1.0000
DL/KS18.2.0	1	EQ	-2.5	0.571	26.19	-28.7	O246SD05	2016	1.0000
DL/KS18.3.0	1	EQ	-2.4	0.629	24.42	-26.8	O246SD05	3610	1.0000
DL/KS18.4.0	1	EQ	0.0	0.665	26.41	26.4	O246PD05	4328	1.0000
DL/KS19.0.0-1	1	EQ	0.0	0.671	30.87	30.9	O246PD05	579	1.0000
DL/KS20.0.0-1	1	EQ	0.0	0.765	37.09	-	-	335	1.0000
DL/KS21.0.0-1	1	EQ	0.0	0.785	37.25	-	-	194	1.0000
DL/KS22.0.0	1	EQ	0.0	0.810	37.50	-	-	409	1.0000
DL/KS1-2.1.0	1	EQ	-0.4	0.601	31.18	-31.6	SW01SU	55	1.0000
DL/KS1-2.0.0	1	EQ	-0.7	0.550	35.28	-39.0	SW02SU	928	1.0000
DL/KS2-3.1.0-1	1	EQ	-1.8	0.487	28.00	-29.8	O052SD05	1029	1.0000
DL/KS2-3.0.0-1	1	EQ	-2.4	0.415	24.22	-26.6	SW01SU	2155	1.0000
DL/KS3-4.1.0-1	2	EQ	-0.9	0.428	26.28	-27.2	O052SD05	3652	1.0000
DL/KS3-4.0.0-1	2	EQ	-1.7	0.419	24.93	-26.6	O052SD05	4080	1.0000
DL/KS4-5.1.0-1	2	EQ	0.0	0.337	27.41	27.4	SW05PU	3827	1.0000
DL/KS4-5.2.0-1	2	EQ	0.0	0.276	25.41	25.4	SW05PU	5922	1.0000
DL/KS4-5.3.0	2	EQ	-1.2	0.283	23.07	-24.3	SW05SU	7056	1.0000
DL/KS4-5.0.0	2	EQ	-2.0	0.270	21.78	-23.7	SW05SU	7501	1.0000
DL/KS5-6.1.0	1	EQ	-0.2	0.403	25.67	-25.9	O052SD05	5899	1.0000
DL/KS5-6.2.0	2	EQ	-0.2	0.362	23.31	-23.6	O052SD05	8085	1.0000
DL/KS5-6.0.0	2	EQ	-1.5	0.355	21.51	-23.0	O052SD05	8561	1.0000
DL/KS6-7.0.0	1	EQ	-0.4	0.425	23.64	-24.1	O052SD05	8267	1.0000
DL/KS7-8.1.0	1	EQ	-1.3	0.413	24.11	-25.4	SW08SU	6665	1.0000
DL/KS7-8.2.0	1	EQ	-1.8	0.410	23.54	-25.3	SW08SU	6859	1.0000
DL/KS7-8.0.0	1	EQ	-2.0	0.407	23.18	-25.2	SW08SU	7029	1.0000
DL/KS8-9.1.0-1	1	EQ	-2.1	0.349	25.86	-28.0	SW07SU	3734	1.0000
DL/KS8-9.2.0	1	EQ	-5.0	0.378	21.84	-26.8	SW07SU	5726	1.0000
DL/KS8-9.3.0	1	EQ	-5.2	0.378	21.48	-26.7	SW07SU	5897	1.0000
DL/KS8-9.0.0	1	EQ	-4.9	0.428	21.24	-26.1	SW07SU	6779	1.0000
DL/KS9-10.1.0-1	1	EQ	-1.0	0.303	26.78	-27.7	SW08SU	3835	1.0000
DL/KS9-10.2.0	1	EQ	-5.1	0.329	21.48	-26.6	SW08SU	6000	1.0000
DL/KS9-10.0.0	1	EQ	-4.7	0.390	21.22	-25.9	SW08SU	7140	1.0000
DL/KS10-11.1.0-1	1	EQ	0.1	0.269	28.28	28.4	SW11PU	5034	1.0000
DL/KS10-11.2.0	1	EQ	-2.9	0.362	25.19	-28.1	O102SD05	7894	1.0000
DL/KS10-11.3.0	1	EQ	-3.4	0.362	24.54	-27.9	O102SD05	8182	1.0000
DL/KS10-11.0.0	1	EQ	-3.3	0.391	24.22	-27.5	O102SD05	8782	1.0000
DL/KS11-12.1.0-1	1	EQ	0.1	0.217	29.34	29.4	O202PD05	5797	1.0000
DL/KS11-12.2.0	1	EQ	-6.1	0.282	21.10	-27.2	O146S	8689	1.0000
DL/KS11-12.3.0	1	EQ	-6.6	0.285	20.27	-26.8	O146S	8975	1.0000
DL/KS11-12.0.0	1	EQ	-5.7	0.367	19.53	-25.2	O146S	10231	1.0000
DL/KS12-13.1.0-1	1	EQ	0.0	0.181	28.25	28.3	SW11PU	6068	1.0000
DL/KS12-13.2.0-1	1	EQ	-6.8	0.160	21.77	-28.6	O202SD05	6680	1.0000
DL/KS12-13.0.0-1	1	EQ	-5.7	0.205	22.39	-28.1	O202SD05	7482	1.0000
DL/KS13-14.1.0-1	1	EQ	0.2	0.268	27.40	27.6	O246PD05	5212	1.0000
DL/KS13-14.2.0	1	EQ	-5.3	0.300	18.94	-24.2	O246SD05	10067	1.0000
DL/KS13-14.3.0	1	EQ	-6.2	0.302	17.53	-23.8	O246SD05	10537	1.0000
DL/KS13-14.0.0	1	EQ	-5.3	0.370	17.58	-22.8	O246SD05	11853	1.0000
DL/KS14-15.1.0-1	1	EQ	0.2	0.463	25.93	26.1	O233P	4951	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DL/KS14-15.2.0	1	EQ	-1.6	0.439	19.74	-21.3	O233S	7780	1.0000
DL/KS14-15.0.0	1	EQ	-4.3	0.352	19.83	-24.2	O246SD05	8188	1.0000
DL/KS15-16.1.0	1	EQ	0.0	0.511	27.28	27.3	O246PD05	4811	1.0000
DL/KS15-16.2.0	1	EQ	-1.8	0.507	24.94	-26.8	O246SD05	5316	1.0000
DL/KS15-16.3.0	1	EQ	-3.3	0.516	23.05	-26.3	O246SD05	5818	1.0000
DL/KS15-16.4.0	1	EQ	-1.7	0.545	24.27	-25.9	O246SD05	6287	1.0000
DL/KS16-17.1.0	1	EQ	0.0	0.360	24.66	24.7	O233P	3814	1.0000
DL/KS16-17.2.0	1	EQ	-5.5	0.316	17.66	-23.1	O233S	4637	1.0000
DL/KS16-17.3.0	1	EQ	-7.1	0.300	15.17	-22.2	O233S	5166	0.9829
DL/KS16-17.4.0	1	EQ	-6.2	0.296	12.87	-19.1	O233S	6920	0.9470
DL/KS16-17.5.0	1	EQ	-4.3	0.314	14.12	-18.4	O233S	7426	0.9693
DL/KS17-18.1.0	1	EQ	0.0	0.370	26.41	26.4	O246PD05	3374	1.0000
DL/KS17-18.2.0	1	EQ	-6.1	0.333	19.42	-25.5	O246SD05	4306	1.0000
DL/KS17-18.3.0	1	EQ	-6.1	0.333	19.42	-25.5	O246SD05	4306	1.0000
DL/KS17-18.4.0	1	EQ	-5.5	0.375	18.06	-23.5	O246SD05	6190	1.0000
DL/KS17-18.5.0	1	EQ	-5.5	0.375	18.06	-23.5	O246SD05	6190	1.0000
DL/KS18-19.1.0-1	1	EQ	0.0	0.494	27.63	27.6	O246PD05	2154	1.0000
DL/KS18-19.2.0-1	1	EQ	-3.1	0.458	23.55	-26.7	O246SD05	3002	1.0000
DL/KS18-19.3.0-1	1	EQ	-3.0	0.507	21.61	-24.6	O246SD05	4823	1.0000
DL/KS18-19.4.0-1	1	EQ	0.0	0.547	24.02	24.0	O246PD05	5634	1.0000
DL/KS19-20.0.0-1	1	EQ	0.0	0.639	29.62	29.6	O246PD05	1007	1.0000
DL/KS20-21.0.0-1	1	EQ	0.0	0.768	37.07	-	-	564	1.0000
DL/KS21-22.0.0-1	1	EQ	0.0	0.813	37.48	-	-	630	1.0000
DL/KS1-3.1.0	1	EQ	-2.3	0.417	24.09	-26.3	SW01SU	2150	1.0000
DL/KS1-3.0.0	1	EQ	-3.4	0.328	21.96	-25.4	O052SD05	3570	1.0000
DL/KS2-4.1.0-1	2	EQ	-3.0	0.277	22.99	-26.0	O052SD05	3866	1.0000
DL/KS2-4.2.0-1	2	EQ	-4.0	0.173	17.70	-21.7	SW01SU	5487	1.0000
DL/KS2-4.0.0	2	EQ	-5.4	0.141	13.75	-19.2	SW01SU	7267	0.9627
DL/KS3-5.1.0-2	2	EQ	-1.3	0.148	24.05	-25.4	SW05SU	5339	1.0000
DL/KS3-5.2.0-2	2	EQ	-1.0	0.107	22.08	-23.1	SW05SU	7822	0.7832
DL/KS3-5.3.0-2	2	EQ	-1.0	0.107	22.08	-23.1	SW05SU	7822	0.7832
DL/KS3-5.0.0	1	EQ	-14.4	0.009	4.18	-21.1	SW05SU	9290	0.5801
DL/KS4-6.1.0-1	2	EQ	0.0	0.114	24.94	24.9	O086P	6928	0.8769
DL/KS5-7.1.0-2	1	EQ	0.0	0.112	24.62	24.6	O052PD05	7486	0.8451
DL/KS5-7.2.0-2	2	EQ	0.0	0.093	22.20	22.2	O052PD05	9933	0.6024
DL/KS5-7.0.0-2	2	EQ	0.0	0.093	22.20	22.2	O052PD05	9933	0.6024
DL/KS6-8.1.0	1	EQ	-2.2	0.246	18.95	-21.2	O052SD05	11437	1.0000
DL/KS6-8.2.0	1	EQ	-2.8	0.240	18.25	-21.0	O052SD05	11648	1.0000
DL/KS6-8.0.0	1	EQ	-3.1	0.236	17.79	-20.9	O052SD05	11831	1.0000
DL/KS7-9.1.0-1	1	EQ	-3.5	0.126	21.91	-25.4	O052SD05	7297	1.0000
DL/KS7-9.2.0-1	1	EQ	-6.4	0.095	18.66	-25.0	O052SD05	7854	0.6279
DL/KS7-9.3.0-1	1	EQ	-6.8	0.093	18.08	-24.9	O052SD05	8041	0.5951
DL/KS7-9.0.0-1	1	EQ	-6.4	0.111	18.04	-24.5	O052SD05	8614	0.8315
DL/KS8-10.1.0-1	1	EQ	-3.8	0.123	22.63	-26.5	SW07SU	6281	0.9991
DL/KS8-10.2.0-1	1	EQ	-8.7	0.088	17.28	-26.0	SW07SU	7173	0.4710
DL/KS8-10.3.0-1	1	EQ	-9.2	0.088	16.70	-25.9	SW07SU	7361	0.4508
DL/KS8-10.0.0-1	1	EQ	-8.4	0.123	16.98	-25.4	SW07SU	8172	0.9035
DL/KS9-11.1.0-1	1	EQ	-2.4	0.061	21.76	-25.9	SW08SU	7011	0.2146
DL/KS13-15.1.0	1	EQ	0.3	0.166	14.10	14.4	O233P	12917	0.9689
DL/KS13-15.2.0	1	EQ	-7.9	0.084	4.98	-12.9	O233S	13991	0.3411
DL/KS13-15.3.0	1	EQ	-8.8	0.061	3.28	-12.1	O233S	14493	0.1261
DL/KS14-16.1.0-1	1	EQ	1.2	0.343	23.41	24.7	O246PD05	7612	1.0000
DL/KS14-16.2.0-1	1	EQ	-4.6	0.339	19.49	-24.1	O246SD05	8204	1.0000
DL/KS14-16.3.0	1	EQ	-6.5	0.344	17.19	-23.6	O246SD05	8772	1.0000
DL/KS14-16.4.0	1	EQ	-6.5	0.344	17.19	-23.6	O246SD05	8772	1.0000
DL/KS14-16.5.0	1	EQ	-4.0	0.376	19.20	-23.2	O246SD05	9239	1.0000
DL/KS15-17.1.0	1	EQ	4.2	0.183	20.32	24.5	SW14PU	7554	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DL/KS15-17.2.0	1	EQ	-10.4	0.134	13.37	-23.8	SW14SU	8531	0.7259
DL/KS15-17.3.0-1	1	EQ	-11.6	0.116	11.70	-23.3	SW14SU	9102	0.5426
DL/KS15-17.4.0	1	EQ	-12.3	0.111	10.65	-22.9	SW14SU	9647	0.4378
DL/KS15-17.5.0	1	EQ	-10.7	0.134	10.03	-20.7	SW17SU	11532	0.6508
DL/KS15-17.6.0	1	EQ	-8.9	0.163	11.24	-20.2	SW17SU	12081	0.7969
DL/KS16-18.1.0	1	EQ	7.2	0.121	11.85	19.1	O233P	6428	0.8931
DL/KS16-18.2.0	1	EQ	-13.2	0.056	4.33	-17.6	O233S	7619	0.0541
DL/KS16-18.3.0	1	EQ	-13.2	0.056	4.33	-17.6	O233S	7619	0.0541
DL/KS17-19.1.0-1	1	EQ	0.0	0.241	24.06	24.1	O246PD05	4830	1.0000
DL/KS17-19.2.0-1	1	EQ	-10.4	0.201	12.68	-23.1	O246SD05	6181	0.7124
DL/KS17-19.3.0-1	1	EQ	-10.4	0.201	12.68	-23.1	O246SD05	6181	0.7124
DL/KS17-19.4.0	1	EQ	-9.2	0.159	8.40	-17.6	O299P	9494	0.7226
DL/KS17-19.5.0	1	EQ	-9.2	0.159	8.40	-17.6	O299P	9494	0.7226
DL/KS18-20.1.0-1	1	EQ	0.0	0.439	26.05	26.0	O246PD05	2867	1.0000
DL/KS18-20.2.0-1	1	EQ	-3.5	0.396	21.51	-25.0	O246SD05	3813	1.0000
DL/KS18-20.3.0-1	1	EQ	-3.4	0.425	19.42	-22.8	O246SD05	5837	1.0000
DL/KS18-20.4.0	1	EQ	0.0	0.343	14.78	14.8	O312P	8411	0.9803
DL/KS19-21.0.0-1	1	EQ	0.0	0.634	28.92	28.9	O246PD05	1312	1.0000
DL/KS20-22.0.0-1	1	EQ	0.0	0.796	37.30	-	-	1049	1.0000
DS/KP1.1.0	1	EQ	0.0	0.957	26.64	26.6	SW01PU	27	1.0000
DS/KP1.0.0	1	EQ	0.1	0.939	26.21	26.3	SW01PU	64	1.0000
DS/KP2.1.0	1	EQ	0.6	0.884	34.24	34.8	SW02PU	109	1.0000
DS/KP2.0.0	1	EQ	0.8	0.764	23.08	23.8	SW01PU	1237	1.0000
DS/KP3.0.0-1	1	EQ	-0.6	0.794	25.70	-26.3	O052SD05	1183	1.0000
DS/KP4.1.0	2	EQ	0.0	0.745	24.87	24.9	O052PD05	2646	1.0000
DS/KP4.0.0	2	EQ	0.5	0.730	23.90	24.4	O052PD05	3040	1.0000
DS/KP5.1.0-1	1	EQ	0.0	0.722	26.45	26.5	O052PD05	1371	1.0000
DS/KP5.2.0-1	1	EQ	2.5	0.633	22.55	25.0	O052PD05	2375	1.0000
DS/KP5.0.0	1	EQ	3.1	0.623	20.28	23.4	O071P	3397	1.0000
DS/KP6.0.0	2	EQ	0.1	0.727	23.08	23.2	O071P	4126	1.0000
DS/KP7.0.0	1	EQ	0.1	0.746	24.11	24.3	O052PD05	4234	1.0000
DS/KP8.1.0-1	1	EQ	0.8	0.761	26.05	26.9	O102PD05	2235	1.0000
DS/KP8.2.0	1	EQ	1.1	0.780	25.37	26.5	O102PD05	2841	1.0000
DS/KP8.0.0	1	EQ	1.3	0.780	25.07	26.4	O102PD05	3001	1.0000
DS/KP9.1.0-1	1	EQ	-0.6	0.705	24.49	-25.1	SW08SU	1832	1.0000
DS/KP9.2.0	1	EQ	1.4	0.708	22.65	24.0	O130P	3082	1.0000
DS/KP9.0.0	1	EQ	1.3	0.733	21.70	23.0	O130P	3947	1.0000
DS/KP10.1.0-1	1	EQ	0.0	0.719	24.93	25.0	O130P	2439	1.0000
DS/KP10.2.0	1	EQ	1.4	0.720	22.42	23.8	O130P	3480	1.0000
DS/KP10.0.0	1	EQ	1.4	0.738	21.72	23.1	O130P	4062	1.0000
DS/KP11.1.0-1	1	EQ	0.0	0.678	24.40	24.4	O146P	3050	1.0000
DS/KP11.2.0	1	EQ	0.6	0.736	22.09	22.7	O146P	4723	1.0000
DS/KP11.0.0	1	EQ	0.9	0.733	21.46	22.4	O146P	4989	1.0000
DS/KP12.1.0-1	1	EQ	0.0	0.647	25.84	25.8	SW11PU	3235	1.0000
DS/KP12.2.0	1	EQ	2.5	0.689	22.11	24.6	SW11PU	5617	1.0000
DS/KP12.0.0	1	EQ	2.3	0.753	21.66	24.0	SW11PU	6813	1.0000
DS/KP13.1.0-1	1	EQ	0.0	0.652	26.65	26.7	O202PD05	3295	1.0000
DS/KP13.2.0	1	EQ	2.6	0.695	22.69	25.3	O202PD05	5689	1.0000
DS/KP13.0.0	1	EQ	2.4	0.762	22.12	24.5	O202PD05	6892	1.0000
DS/KP14.1.0-1	1	EQ	0.0	0.773	26.34	26.4	O246PD05	2347	1.0000
DS/KP14.0.0	1	EQ	0.8	0.763	23.55	24.3	O246PD05	4925	1.0000
DS/KP15.1.0-1	1	EQ	0.0	0.765	22.12	22.1	O233P	2937	1.0000
DS/KP15.0.0	1	EQ	1.0	0.669	21.65	22.7	O246PD05	6008	1.0000
DS/KP16.1.0	1	EQ	0.0	0.786	23.18	23.2	O233P	2127	1.0000
DS/KP16.2.0	1	EQ	0.7	0.758	21.49	22.2	O233P	2574	1.0000
DS/KP16.3.0	1	EQ	0.0	0.766	21.53	21.5	O233P	3021	1.0000
DS/KP17.1.0	1	EQ	0.0	0.729	25.56	25.6	O246PD05	1992	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/KP17.2.0	1	EQ	1.9	0.692	22.81	24.7	O246PD05	2717	1.0000
DS/KP17.3.0	1	EQ	1.8	0.709	21.12	22.9	O246PD05	4308	1.0000
DS/KP18.1.0	1	EQ	0.0	0.772	25.57	25.6	O246PD05	1686	1.0000
DS/KP18.2.0	1	EQ	1.7	0.735	23.03	24.7	O246PD05	2412	1.0000
DS/KP18.3.0	1	EQ	1.7	0.750	21.28	22.9	O246PD05	4004	1.0000
DS/KP18.4.0	1	EQ	0.0	0.786	22.33	22.3	O246PD05	4723	1.0000
DS/KP19.0.0-1	1	EQ	0.0	0.840	26.72	26.7	O246PD05	818	1.0000
DS/KP20.0.0-1	1	EQ	0.0	0.982	39.55	48.4	O299PD05	473	1.0000
DS/KP21.0.0-1	1	EQ	0.0	1.004	39.71	49.6	O299PD05	275	1.0000
DS/KP22.0.0	1	EQ	0.0	1.030	39.93	49.5	O299PD05	428	1.0000
DS/KP1-2.1.0	1	EQ	0.7	0.791	24.30	25.0	SW01PU	193	1.0000
DS/KP1-2.0.0	1	EQ	1.1	0.751	28.96	30.1	SW02PU	1439	1.0000
DS/KP2-3.1.0	1	EQ	0.5	0.623	23.49	24.0	O052PD05	2352	1.0000
DS/KP2-3.0.0	1	EQ	1.0	0.444	18.30	19.3	SW01PU	3878	1.0000
DS/KP3-4.1.0-1	2	EQ	-0.4	0.544	22.26	-22.7	O052SD05	4264	1.0000
DS/KP3-4.0.0	2	EQ	0.3	0.498	20.43	20.7	O052PD05	5788	1.0000
DS/KP4-5.1.0	2	EQ	0.0	0.432	19.80	19.8	O071P	4894	1.0000
DS/KP4-5.2.0	2	EQ	0.0	0.363	15.31	15.3	O071P	7302	0.9890
DS/KP4-5.3.0	2	EQ	1.0	0.336	13.39	14.4	O071P	7782	0.9565
DS/KP4-5.0.0	2	EQ	1.6	0.303	11.52	13.2	O036P	8231	0.9212
DS/KP5-6.1.0	2	EQ	0.2	0.495	19.32	19.5	O086P	6410	1.0000
DS/KP5-6.2.0	2	EQ	0.2	0.392	14.98	15.2	O086P	8869	0.9837
DS/KP5-6.0.0	2	EQ	1.2	0.360	13.12	14.3	O086P	9347	0.9517
DS/KP6-7.0.0	2	EQ	0.3	0.429	14.60	14.9	O071P	8954	0.9774
DS/KP7-8.1.0	1	EQ	1.2	0.498	18.11	19.4	O086P	7244	1.0000
DS/KP7-8.2.0	1	EQ	1.6	0.492	17.51	19.1	O086P	7438	1.0000
DS/KP7-8.0.0	1	EQ	1.8	0.488	17.08	18.9	O086P	7607	1.0000
DS/KP8-9.1.0-1	1	EQ	0.5	0.521	21.87	22.4	O130P	4266	1.0000
DS/KP8-9.2.0	1	EQ	3.0	0.499	17.22	20.2	O130P	6234	1.0000
DS/KP8-9.3.0	1	EQ	3.2	0.493	16.83	20.0	O130P	6403	1.0000
DS/KP8-9.0.0	1	EQ	3.0	0.505	16.00	19.0	O130P	7299	1.0000
DS/KP9-10.1.0-1	1	EQ	-0.8	0.471	21.75	-22.6	O146S	4506	1.0000
DS/KP9-10.2.0	1	EQ	2.6	0.467	17.83	20.4	O146P	6628	1.0000
DS/KP9-10.0.0	1	EQ	2.5	0.482	16.74	19.2	O146P	7805	1.0000
DS/KP10-11.1.0-1	1	EQ	0.1	0.406	20.97	21.1	O130P	5809	1.0000
DS/KP10-11.2.0	1	EQ	2.4	0.452	15.95	18.3	O130P	8673	0.9992
DS/KP10-11.3.0	1	EQ	2.8	0.447	15.31	18.1	O130P	8953	0.9891
DS/KP10-11.0.0	1	EQ	2.7	0.458	14.75	17.5	O130P	9572	0.9799
DS/KP11-12.1.0-1	1	EQ	0.0	0.391	20.75	20.8	O146P	6701	1.0000
DS/KP11-12.2.0	1	EQ	4.2	0.374	13.79	18.0	O146P	9541	0.9636
DS/KP11-12.3.0	1	EQ	4.5	0.366	13.16	17.7	O146P	9825	0.9524
DS/KP11-12.0.0	1	EQ	4.1	0.387	12.39	16.5	O146P	11093	0.9380
DS/KP12-13.1.0-1	1	EQ	0.0	0.385	24.01	24.0	SW11PU	7014	1.0000
DS/KP12-13.2.0	1	EQ	3.6	0.434	19.08	22.7	SW11PU	9564	1.0000
DS/KP12-13.0.0	1	EQ	3.2	0.493	18.84	22.1	SW11PU	10853	1.0000
DS/KP13-14.1.0-1	1	EQ	0.1	0.410	23.31	23.4	O246PD05	6093	1.0000
DS/KP13-14.2.0	1	EQ	3.1	0.424	16.95	20.1	O246PD05	10960	1.0000
DS/KP13-14.3.0	1	EQ	3.8	0.418	15.88	19.7	O246PD05	11442	0.9981
DS/KP13-14.0.0	1	EQ	3.4	0.458	15.38	18.8	O246PD05	12725	0.9902
DS/KP14-15.1.0	1	EQ	0.1	0.384	13.80	13.9	O233P	8071	0.9636
DS/KP14-15.2.0	1	EQ	1.0	0.355	12.09	13.1	O233P	8556	0.9323
DS/KP14-15.0.0	1	EQ	1.8	0.461	18.24	20.0	O246PD05	9324	1.0000
DS/KP15-16.1.0-1	1	EQ	0.0	0.673	23.09	23.1	O246PD05	5523	1.0000
DS/KP15-16.2.0-1	1	EQ	1.1	0.658	21.56	22.6	O246PD05	6013	1.0000
DS/KP15-16.3.0	1	EQ	2.0	0.653	20.22	22.2	O246PD05	6496	1.0000
DS/KP15-16.4.0	1	EQ	1.0	0.676	20.81	21.8	O246PD05	6987	1.0000
DS/KP16-17.1.0	1	EQ	0.0	0.400	17.41	17.4	O233P	4650	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/KP16-17.2.0	1	EQ	2.7	0.328	13.33	16.1	O233P	5450	0.9554
DS/KP16-17.3.0	1	EQ	3.8	0.292	11.43	15.2	O233P	5966	0.9194
DS/KP16-17.4.0	1	EQ	3.5	0.235	8.59	12.1	O233P	7715	0.8560
DS/KP16-17.5.0	1	EQ	2.4	0.243	8.88	11.2	O233P	8225	0.8631
DS/KP17-18.1.0	1	EQ	0.0	0.509	22.36	22.4	O246PD05	4380	1.0000
DS/KP17-18.2.0	1	EQ	3.1	0.454	18.39	21.5	O246PD05	5253	1.0000
DS/KP17-18.3.0	1	EQ	3.1	0.454	18.39	21.5	O246PD05	5253	1.0000
DS/KP17-18.4.0	1	EQ	2.9	0.442	16.74	19.7	O246PD05	7137	1.0000
DS/KP17-18.5.0	1	EQ	2.9	0.442	16.74	19.7	O246PD05	7137	1.0000
DS/KP18-19.1.0-1	1	EQ	0.0	0.638	23.47	23.5	O246PD05	2928	1.0000
DS/KP18-19.2.0-1	1	EQ	2.1	0.588	20.49	22.6	O246PD05	3763	1.0000
DS/KP18-19.3.0-1	1	EQ	2.0	0.583	18.64	20.7	O246PD05	5586	1.0000
DS/KP18-19.4.0-1	1	EQ	0.0	0.620	19.90	19.9	O246PD05	6405	1.0000
DS/KP19-20.0.0-1	1	EQ	0.0	0.794	25.38	25.4	O246PD05	1437	1.0000
DS/KP20-21.0.0-1	1	EQ	0.0	0.985	39.49	46.6	O299PD05	801	1.0000
DS/KP21-22.0.0-1	1	EQ	0.0	1.033	39.87	47.7	O299PD05	734	1.0000
DS/KP1-3.1.0	1	EQ	1.1	0.487	19.64	20.7	SW01PU	2670	1.0000
DS/KP1-3.0.0	1	EQ	2.2	0.355	16.63	18.8	O036P	4470	1.0000
DS/KP2-4.1.0	2	EQ	1.7	0.353	17.94	19.6	O052P	5706	1.0000
DS/KP2-4.2.0	2	EQ	3.1	0.121	6.92	10.0	O003P	7843	0.8109
DS/KP2-4.0.0	2	EQ	4.3	0.054	2.90	7.2	O003P	8424	0.0962
DS/KP3-5.1.0-2	2	EQ	-0.4	0.236	20.58	-21.0	SW05SU	6186	1.0000
DS/KP4-6.1.0	1	EQ	9.4	0.082	2.97	12.3	O036P	8732	0.8068
DS/KP5-7.1.0	2	EQ	0.5	0.231	10.46	11.0	O052P	11647	0.8993
DS/KP6-8.1.0	2	EQ	2.1	0.206	7.60	9.7	O071P	12423	0.8303
DS/KP6-8.2.0	2	EQ	2.6	0.190	6.89	9.4	O071P	12633	0.8099
DS/KP6-8.0.0	1	EQ	7.8	0.089	2.70	10.5	O071P	12024	0.7881
DS/KP7-9.1.0	1	EQ	1.1	0.316	14.24	15.3	O086P	10299	0.9713
DS/KP7-9.2.0	1	EQ	4.2	0.245	9.94	14.1	O086P	11341	0.8878
DS/KP7-9.3.0	1	EQ	4.4	0.237	9.45	13.9	O086P	11522	0.8767
DS/KP7-9.0.0	1	EQ	4.2	0.236	8.50	12.7	O086P	12471	0.8538
DS/KP8-10.1.0-1	1	EQ	1.0	0.302	18.65	19.7	O146P	7191	1.0000
DS/KP8-10.2.0	1	EQ	5.1	0.273	11.68	16.8	O146P	10134	0.9244
DS/KP8-10.3.0	1	EQ	5.4	0.267	11.24	16.6	O146P	10315	0.9155
DS/KP8-10.0.0	1	EQ	5.1	0.273	10.33	15.4	O146P	11533	0.8965
DS/KP9-11.1.0-1	1	EQ	-1.6	0.203	20.26	-21.8	SW08SU	8196	1.0000
DS/KP9-11.2.0	1	EQ	4.5	0.274	13.77	18.3	SW08P	12310	0.9632
DS/KP9-11.3.0	1	EQ	5.0	0.270	12.95	17.9	SW08P	12609	0.9486
DS/KP9-11.0.0	1	1	3.6	0.641	17.59	24.9	SW11PU	5437	0.3676
DS/KP10-12.1.0	1	EQ	0.1	0.252	15.45	15.6	O130P	12021	0.9914
DS/KP10-12.2.0	1	EQ	8.0	0.129	5.83	13.8	O130P	14019	0.7280
DS/KP10-12.3.0	1	EQ	8.3	0.119	5.20	13.5	O130P	14319	0.6883
DS/KP10-12.0.0	1	EQ	7.1	0.129	4.72	11.8	O130P	16301	0.7329
DS/KP11-13.1.0	1	EQ	0.1	0.196	15.20	15.3	O146P	12594	0.9873
DS/KP11-13.2.0	1	EQ	7.1	0.114	6.77	13.9	O146P	14033	0.7840
DS/KP11-13.3.0	1	EQ	7.6	0.106	6.01	13.6	O146P	14334	0.6381
DS/KP11-13.0.0	1	EQ	6.4	0.121	5.94	12.4	O146P	15704	0.7807
DS/KP12-14.1.0-1	1	EQ	0.1	0.161	20.82	21.0	O246PD05	10296	1.0000
DS/KP12-14.2.0	1	EQ	4.6	0.189	12.31	16.9	SW11P	15509	0.9365
DS/KP12-14.3.0	1	EQ	5.5	0.177	10.61	16.1	SW11P	16021	0.9025
DS/KP12-14.0.0	1	EQ	4.7	0.198	9.34	14.1	SW11P	17401	0.8741
DS/KP13-15.1.0	1	EQ	0.1	0.128	6.03	6.1	O233P	14245	0.7835
DS/KP13-15.4.0-1	1	EQ	9.8	0.126	8.77	18.6	O246PD05	11789	0.6945
DS/KP14-16.1.0-1	1	EQ	0.1	0.471	20.30	20.4	O246PD05	8801	1.0000
DS/KP14-16.2.0-1	1	EQ	1.8	0.451	18.11	20.0	O246PD05	9333	1.0000
DS/KP14-16.3.0	1	EQ	3.3	0.440	16.29	19.5	O246PD05	9855	1.0000
DS/KP14-16.4.0	1	EQ	3.3	0.440	16.29	19.5	O246PD05	9855	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/KP14-16.5.0	1	EQ	1.6	0.463	17.46	19.1	O246PD05	10393	1.0000
DS/KP15-17.1.0-1	1	EQ	0.1	0.301	20.38	20.4	SW14PU	8866	1.0000
DS/KP15-17.2.0-1	1	EQ	4.7	0.251	15.07	19.7	SW14PU	9747	0.9852
DS/KP15-17.3.0-1	1	EQ	5.9	0.228	13.21	19.1	SW17PU	10295	0.9532
DS/KP15-17.4.0	1	EQ	6.8	0.214	11.82	18.6	SW17PU	10828	0.9271
DS/KP16-18.1.0	1	EQ	0.0	0.128	11.27	11.3	O233P	7836	0.9162
DS/KP16-18.2.0	1	EQ	5.6	0.056	3.98	9.6	O233P	8833	0.1207
DS/KP16-18.3.0	1	EQ	5.6	0.056	3.98	9.6	O233P	8833	0.1207
DS/KP17-19.1.0	1	EQ	0.0	0.225	14.69	14.7	O299S	7582	0.9790
DS/KP18-20.1.0-1	1	EQ	0.0	0.553	21.77	21.8	O246PD05	3938	1.0000
DS/KP18-20.2.0	1	EQ	2.3	0.336	12.11	14.4	O312P	6538	0.9327
DS/KP19-21.0.0-1	1	EQ	0.0	0.776	24.48	24.5	O246PD05	1888	1.0000
DS/KP20-22.0.0-1	1	EQ	0.0	1.011	39.64	44.3	O299PD05	1317	1.0000
DP/KP1.1.0	1	EQ	0.0	0.904	28.50	28.5	SW01PU	4	1.0000
DP/KP1.0.0	1	EQ	0.0	0.891	28.11	28.1	SW01PU	21	1.0000
DP/KP2.1.0	1	EQ	0.5	0.822	37.28	37.8	SW02PU	84	1.0000
DP/KP2.0.0	1	EQ	0.7	0.753	24.93	25.6	SW01PU	1124	1.0000
DP/KP3.0.0-1	1	EQ	-0.7	0.758	27.42	-28.1	O052SD05	1069	1.0000
DP/KP4.1.0	2	EQ	0.0	0.719	26.67	26.7	O052PD05	2538	1.0000
DP/KP4.0.0	2	EQ	0.5	0.711	25.64	26.1	O052PD05	2933	1.0000
DP/KP5.1.0-1	1	EQ	0.0	0.692	28.24	28.2	O052PD05	1302	1.0000
DP/KP5.2.0-1	1	EQ	2.6	0.608	24.14	26.7	O052PD05	2261	1.0000
DP/KP5.0.0	1	EQ	3.3	0.613	22.38	25.7	O052PD05	3284	1.0000
DP/KP6.0.0	2	EQ	0.1	0.715	25.53	25.7	O052PD05	3996	1.0000
DP/KP7.0.0	1	EQ	0.2	0.723	25.88	26.0	O052PD05	4102	1.0000
DP/KP8.1.0-1	1	EQ	0.8	0.721	27.87	28.7	O102PD05	2141	1.0000
DP/KP8.2.0	1	EQ	1.1	0.743	27.15	28.3	O102PD05	2748	1.0000
DP/KP8.0.0	1	EQ	1.3	0.743	26.84	28.2	O102PD05	2907	1.0000
DP/KP9.1.0-1	1	EQ	-0.6	0.666	26.07	-26.7	SW08SU	1707	1.0000
DP/KP9.2.0	1	EQ	1.5	0.681	26.17	27.7	O130P	2942	1.0000
DP/KP9.0.0	1	EQ	1.4	0.727	25.12	26.5	O130P	3805	1.0000
DP/KP10.1.0-1	1	EQ	0.0	0.680	28.18	28.2	SW09PU	2298	1.0000
DP/KP10.2.0	1	EQ	1.5	0.694	25.98	27.5	O130P	3342	1.0000
DP/KP10.0.0	1	EQ	1.5	0.728	25.18	26.7	O130P	3922	1.0000
DP/KP11.1.0-1	1	EQ	0.0	0.640	27.45	27.5	SW11PU	2872	1.0000
DP/KP11.2.0	1	EQ	0.6	0.713	25.75	26.4	O146P	4546	1.0000
DP/KP11.0.0	1	EQ	1.0	0.716	25.05	26.0	O146P	4815	1.0000
DP/KP12.1.0-1	1	EQ	0.0	0.604	27.48	27.5	SW11PU	3059	1.0000
DP/KP12.2.0	1	EQ	2.8	0.650	23.46	26.3	SW11PU	5441	1.0000
DP/KP12.0.0	1	EQ	2.6	0.726	23.03	25.6	SW11PU	6638	1.0000
DP/KP13.1.0-1	1	EQ	0.0	0.609	28.34	28.3	O202PD05	3114	1.0000
DP/KP13.2.0	1	EQ	2.9	0.655	24.08	27.0	O202PD05	5509	1.0000
DP/KP13.0.0	1	EQ	2.6	0.731	23.52	26.2	O202PD05	6713	1.0000
DP/KP14.1.0-1	1	EQ	0.0	0.730	27.95	28.0	O246PD05	2197	1.0000
DP/KP14.0.0	1	EQ	0.9	0.733	25.04	25.9	O246PD05	4777	1.0000
DP/KP15.1.0-1	1	EQ	0.0	0.774	25.63	25.6	O233P	2791	1.0000
DP/KP15.0.0	1	EQ	1.3	0.653	23.02	24.3	O246PD05	5725	1.0000
DP/KP16.1.0	1	EQ	0.0	0.777	26.63	26.6	O233P	2006	1.0000
DP/KP16.2.0	1	EQ	0.9	0.773	24.73	25.6	O233P	2454	1.0000
DP/KP16.3.0	1	EQ	0.0	0.795	24.91	24.9	O233P	2901	1.0000
DP/KP17.1.0	1	EQ	0.0	0.689	27.12	27.1	O246PD05	1809	1.0000
DP/KP17.2.0	1	EQ	2.2	0.658	24.04	26.3	O246PD05	2536	1.0000
DP/KP17.3.0	1	EQ	2.1	0.701	22.34	24.4	O246PD05	4130	1.0000
DP/KP18.1.0	1	EQ	0.0	0.734	27.14	27.1	O246PD05	1525	1.0000
DP/KP18.2.0	1	EQ	1.9	0.703	24.34	26.3	O246PD05	2252	1.0000
DP/KP18.3.0	1	EQ	1.8	0.744	22.57	24.4	O246PD05	3845	1.0000
DP/KP18.4.0	1	EQ	0.0	0.780	23.90	23.9	O246PD05	4565	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/KP19.0.0-1	1	EQ	0.0	0.803	28.31	28.3	O246PD05	714	1.0000
DP/KP20.0.0-1	1	EQ	0.0	0.924	38.94	-	-	416	1.0000
DP/KP21.0.0-1	1	EQ	0.0	0.946	39.10	-	-	242	1.0000
DP/KP22.0.0	1	EQ	0.0	0.971	39.32	-	-	420	1.0000
DP/KP1-2.1.0	1	EQ	0.6	0.762	26.23	26.8	SW01PU	116	1.0000
DP/KP1-2.0.0	1	EQ	0.9	0.700	31.77	32.7	SW02PU	1241	1.0000
DP/KP2-3.1.0	1	EQ	0.3	0.606	25.49	25.8	O052PD05	2196	1.0000
DP/KP2-3.0.0	1	EQ	0.7	0.458	20.28	21.0	SW01PU	3614	1.0000
DP/KP3-4.1.0-1	2	EQ	-0.6	0.537	23.91	-24.5	O052SD05	4015	1.0000
DP/KP3-4.0.0	2	EQ	0.2	0.497	22.29	22.5	O052PD05	5541	1.0000
DP/KP4-5.1.0-1	2	EQ	0.0	0.417	24.44	24.4	O071P	4094	1.0000
DP/KP4-5.2.0	2	EQ	0.0	0.366	18.86	18.9	O071P	7005	1.0000
DP/KP4-5.3.0	2	EQ	1.0	0.348	16.90	17.9	O071P	7484	1.0000
DP/KP4-5.0.0	2	EQ	1.7	0.331	15.27	17.0	O071P	7931	0.9884
DP/KP5-6.1.0	2	EQ	0.2	0.507	23.02	23.2	O086P	6203	1.0000
DP/KP5-6.2.0	2	EQ	0.2	0.432	18.66	18.9	O086P	8548	1.0000
DP/KP5-6.0.0	2	EQ	1.2	0.407	16.71	17.9	O086P	9026	1.0000
DP/KP6-7.0.0	2	EQ	0.3	0.480	18.14	18.5	O071P	8675	1.0000
DP/KP7-8.1.0	1	EQ	1.2	0.492	21.64	22.9	O086P	7008	1.0000
DP/KP7-8.2.0	1	EQ	1.6	0.488	20.98	22.6	O086P	7202	1.0000
DP/KP7-8.0.0	1	EQ	1.8	0.485	20.52	22.3	O086P	7371	1.0000
DP/KP8-9.1.0-1	1	EQ	0.5	0.497	25.50	26.0	O130P	4016	1.0000
DP/KP8-9.2.0	1	EQ	3.1	0.514	20.48	23.6	O130P	5991	1.0000
DP/KP8-9.3.0	1	EQ	3.3	0.512	20.05	23.4	O130P	6160	1.0000
DP/KP8-9.0.0	1	EQ	3.2	0.541	19.13	22.3	O130P	7055	1.0000
DP/KP9-10.1.0-1	1	EQ	-0.9	0.442	24.37	-25.3	SW08SU	4203	1.0000
DP/KP9-10.2.0	1	EQ	2.8	0.474	21.04	23.9	O146P	6332	1.0000
DP/KP9-10.0.0	1	EQ	2.7	0.513	19.84	22.5	O146P	7503	1.0000
DP/KP10-11.1.0-1	1	EQ	0.1	0.380	24.31	24.4	O130P	5466	1.0000
DP/KP10-11.2.0	1	EQ	2.6	0.455	18.93	21.5	O130P	8340	1.0000
DP/KP10-11.3.0	1	EQ	3.0	0.454	18.24	21.2	O130P	8625	1.0000
DP/KP10-11.0.0	1	EQ	2.9	0.475	17.63	20.6	O130P	9240	1.0000
DP/KP11-12.1.0-1	1	EQ	0.1	0.361	24.35	24.4	O146P	6327	1.0000
DP/KP11-12.2.0	1	EQ	4.6	0.398	16.71	21.4	O146P	9189	1.0000
DP/KP11-12.3.0	1	EQ	5.0	0.394	16.03	21.0	O146P	9475	1.0000
DP/KP11-12.0.0	1	EQ	4.5	0.433	15.22	19.7	O146P	10737	0.9875
DP/KP12-13.1.0-1	1	EQ	0.0	0.331	25.68	25.7	SW11PU	6636	1.0000
DP/KP12-13.2.0	1	EQ	4.3	0.390	20.08	24.4	SW11PU	9184	1.0000
DP/KP12-13.0.0	1	EQ	3.8	0.465	19.96	23.7	SW11PU	10475	1.0000
DP/KP13-14.1.0-1	1	EQ	0.1	0.381	24.92	25.0	O246PD05	5741	1.0000
DP/KP13-14.2.0	1	EQ	3.6	0.404	18.03	21.7	O246PD05	10613	1.0000
DP/KP13-14.3.0	1	EQ	4.4	0.403	16.88	21.3	O246PD05	11097	1.0000
DP/KP13-14.0.0	1	EQ	3.9	0.453	16.47	20.4	O246PD05	12380	1.0000
DP/KP14-15.1.0-1	1	EQ	0.1	0.534	20.39	20.5	O233P	5427	1.0000
DP/KP14-15.2.0	1	EQ	1.3	0.416	15.03	16.3	O233P	8246	0.9845
DP/KP14-15.0.0	1	EQ	2.5	0.455	19.11	21.6	O246PD05	8851	1.0000
DP/KP15-16.1.0	1	EQ	0.0	0.651	24.70	24.7	O246PD05	5239	1.0000
DP/KP15-16.2.0-1	1	EQ	1.3	0.641	22.92	24.2	O246PD05	5730	1.0000
DP/KP15-16.3.0	1	EQ	2.4	0.642	21.38	23.8	O246PD05	6215	1.0000
DP/KP15-16.4.0	1	EQ	1.2	0.667	22.21	23.4	O246PD05	6707	1.0000
DP/KP16-17.1.0	1	EQ	0.0	0.429	20.18	20.2	O233P	4317	1.0000
DP/KP16-17.2.0	1	EQ	3.3	0.359	15.45	18.8	O233P	5122	0.9913
DP/KP16-17.3.0	1	EQ	4.6	0.327	13.40	18.0	O233P	5641	0.9566
DP/KP16-17.4.0	1	EQ	4.2	0.287	10.84	15.0	O233P	7395	0.9072
DP/KP16-17.5.0	1	EQ	2.8	0.298	11.36	14.2	O233P	7906	0.9179
DP/KP17-18.1.0	1	EQ	0.0	0.493	23.94	23.9	O246PD05	3979	1.0000
DP/KP17-18.2.0	1	EQ	3.8	0.445	19.26	23.1	O246PD05	4863	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/KP17-18.3.0	1	EQ	3.8	0.445	19.26	23.1	O246PD05	4863	1.0000
DP/KP17-18.4.0	1	EQ	3.5	0.448	17.69	21.2	O246PD05	6751	1.0000
DP/KP17-18.5.0	1	EQ	3.5	0.448	17.69	21.2	O246PD05	6751	1.0000
DP/KP18-19.1.0-1	1	EQ	0.0	0.616	25.09	25.1	O246PD05	2616	1.0000
DP/KP18-19.2.0-1	1	EQ	2.4	0.574	21.80	24.2	O246PD05	3454	1.0000
DP/KP18-19.3.0-1	1	EQ	2.3	0.587	19.91	22.2	O246PD05	5278	1.0000
DP/KP18-19.4.0-1	1	EQ	0.0	0.627	21.48	21.5	O246PD05	6095	1.0000
DP/KP19-20.0.0-1	1	EQ	0.0	0.760	27.03	27.0	O246PD05	1255	1.0000
DP/KP20-21.0.0-1	1	EQ	0.0	0.927	38.89	49.7	O299PD05	703	1.0000
DP/KP21-22.0.0-1	1	EQ	0.0	0.975	39.28	-	-	691	1.0000
DP/KP1-3.1.0	1	EQ	0.7	0.496	21.72	22.4	SW01PU	2404	1.0000
DP/KP1-3.0.0	1	EQ	1.7	0.396	20.83	22.5	O052PD05	4058	1.0000
DP/KP2-4.1.0	2	EQ	1.4	0.359	20.61	22.0	O052PD05	5406	1.0000
DP/KP2-4.2.0	2	EQ	2.6	0.185	13.26	15.9	SW01PU	7389	0.9541
DP/KP2-4.0.0	2	EQ	3.9	0.161	11.30	15.2	SW01PU	7964	0.9167
DP/KP3-5.1.0-2	2	EQ	-0.6	0.222	22.11	-22.8	SW05SU	5841	1.0000
DP/KP3-5.2.0	1	EQ	9.4	0.084	4.59	14.0	O071P	8769	0.9000
DP/KP3-5.3.0	1	EQ	10.4	0.050	2.69	13.1	O071P	9329	0.7871
DP/KP3-5.0.0	2	EQ	3.1	0.050	2.67	5.8	O021P	11642	0.0644
DP/KP4-6.1.0	2	EQ	0.3	0.233	13.46	13.7	O036P	9675	0.9577
DP/KP5-7.1.0	2	EQ	0.5	0.286	15.15	15.7	O052P	11267	0.9864
DP/KP5-7.2.0	1	EQ	11.6	0.037	1.65	13.2	O052P	12104	0.6445
DP/KP6-8.1.0	2	EQ	2.1	0.276	11.09	13.1	O071P	12018	0.9125
DP/KP6-8.2.0	2	EQ	2.5	0.263	10.34	12.9	O071P	12229	0.8966
DP/KP6-8.0.0	2	EQ	2.8	0.253	9.82	12.6	O071P	12412	0.8851
DP/KP7-9.1.0	1	EQ	1.0	0.312	17.47	18.5	O130P	9891	1.0000
DP/KP7-9.2.0	1	EQ	4.3	0.261	13.20	17.5	O130P	10933	0.9530
DP/KP7-9.3.0	1	EQ	4.6	0.256	12.74	17.3	O130P	11114	0.9446
DP/KP7-9.0.0	1	EQ	4.4	0.275	11.82	16.2	O086P	12061	0.9270
DP/KP8-10.1.0-1	1	EQ	1.0	0.277	22.17	23.2	O146P	6768	1.0000
DP/KP8-10.2.0	1	EQ	5.4	0.293	14.58	20.0	O146P	9727	0.9771
DP/KP8-10.3.0	1	EQ	5.7	0.289	14.11	19.8	O146P	9908	0.9690
DP/KP8-10.0.0	1	EQ	5.4	0.311	13.22	18.6	O146P	11121	0.9533
DP/KP9-11.1.0-1	1	EQ	-2.0	0.164	21.47	-23.4	SW08SU	7679	1.0000
DP/KP9-11.2.0	1	EQ	5.0	0.252	17.33	22.3	SW08P	11814	1.0000
DP/KP9-11.3.0	1	EQ	5.5	0.250	16.47	21.9	SW08P	12116	1.0000
DP/KP9-11.0.0	1	EQ	5.1	0.290	15.21	20.3	SW08P	13356	0.9875
DP/KP10-12.1.0-1	1	EQ	0.3	0.131	20.65	21.0	O130P	9284	1.0000
DP/KP10-12.2.0-1	1	EQ	8.0	0.085	12.04	20.1	O130P	10280	0.4599
DP/KP10-12.3.0-1	1	EQ	8.8	0.084	10.99	19.8	O130P	10586	0.4121
DP/KP10-12.0.0	1	EQ	7.8	0.179	7.12	15.0	O130P	15771	0.7731
DP/KP11-13.1.0-1	1	EQ	0.2	0.112	20.25	20.4	O146P	10400	0.9018
DP/KP11-13.2.0-1	1	EQ	8.4	0.083	11.35	19.7	O146P	11105	0.4252
DP/KP11-13.3.0-1	1	EQ	9.3	0.082	10.04	19.4	O146P	11408	0.3663
DP/KP11-13.0.0-1	1	EQ	7.6	0.110	10.93	18.5	O146P	12242	0.7706
DP/KP12-14.1.0-1	1	EQ	0.3	0.115	22.40	22.7	O246PD05	9724	0.9533
DP/KP12-14.2.0-1	1	EQ	7.9	0.086	14.33	22.2	O246PD05	10409	0.4935
DP/KP12-14.3.0-1	1	EQ	7.9	0.086	14.33	22.2	O246PD05	10409	0.4935
DP/KP12-14.0.0	1	EQ	5.7	0.205	12.09	17.8	O246PD05	16832	0.9323
DP/KP13-15.1.0	1	EQ	0.1	0.167	9.20	9.3	O233P	13716	0.8708
DP/KP13-15.2.0	1	EQ	5.1	0.067	2.87	7.9	O233P	14817	0.1932
DP/KP13-15.4.0-1	1	EQ	12.1	0.095	8.14	20.2	O246PD05	11249	0.3376
DP/KP13-15.0.0-1	1	EQ	10.8	0.122	8.90	19.7	O246PD05	12070	0.6266
DP/KP14-16.1.0-1	1	EQ	0.2	0.459	21.85	22.1	O246PD05	8328	1.0000
DP/KP14-16.2.0	1	EQ	2.7	0.443	18.91	21.6	O246PD05	8860	1.0000
DP/KP14-16.3.0	1	EQ	4.3	0.437	16.83	21.1	O246PD05	9386	1.0000
DP/KP14-16.4.0	1	EQ	4.3	0.437	16.83	21.1	O246PD05	9386	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/KP14-16.5.0	1	EQ	2.2	0.463	18.47	20.7	O246PD05	9923	1.0000
DP/KP15-17.1.0	1	EQ	0.1	0.279	21.94	22.0	SW14PU	8335	1.0000
DP/KP15-17.2.0-1	1	EQ	6.2	0.232	15.09	21.3	SW14PU	9229	0.9854
DP/KP15-17.3.0	1	EQ	7.5	0.213	13.38	20.9	SW14PU	9791	0.9249
DP/KP15-17.4.0	1	EQ	8.4	0.203	12.04	20.4	SW17PU	10333	0.8489
DP/KP15-17.5.0	1	EQ	7.3	0.188	9.82	17.1	O265P	12246	0.8666
DP/KP15-17.6.0	1	EQ	5.7	0.171	8.05	13.8	O265P	12826	0.8423
DP/KP16-18.1.0	1	EQ	0.0	0.148	14.55	14.5	O233P	7241	0.9765
DP/KP16-18.2.0	1	EQ	7.7	0.074	5.24	12.9	O233P	8282	0.2829
DP/KP16-18.3.0	1	EQ	7.7	0.074	5.24	12.9	O233P	8282	0.2829
DP/KP16-18.4.0	1	EQ	9.3	0.041	2.63	11.9	O233P	8925	0.0059
DP/KP17-19.1.0-1	1	EQ	0.0	0.338	21.50	21.5	O246PD05	5773	1.0000
DP/KP17-19.2.0	1	EQ	6.1	0.240	12.26	18.3	O299S	8071	0.9355
DP/KP17-19.3.0	1	EQ	6.1	0.240	12.26	18.3	O299S	8071	0.9355
DP/KP18-20.1.0-1	1	EQ	0.0	0.544	23.43	23.4	O246PD05	3506	1.0000
DP/KP18-20.2.0-1	1	EQ	2.6	0.490	19.82	22.5	O246PD05	4441	1.0000
DP/KP18-20.3.0	1	EQ	2.5	0.138	5.44	7.9	O312P	8148	0.7635
DP/KP19-21.0.0-1	1	EQ	0.0	0.748	26.20	26.2	O246PD05	1649	1.0000
DP/KP20-22.0.0-1	1	EQ	0.0	0.955	39.06	47.6	O299PD05	1207	1.0000
DL/KP1.1.0	1	EQ	0.0	0.743	31.54	31.5	SW01PU	0	1.0000
DL/KP1.0.0	1	EQ	0.0	0.731	31.16	31.2	SW01PU	2	1.0000
DL/KP2.1.0	1	EQ	0.4	0.658	36.26	42.8	SW02PU	53	1.0000
DL/KP2.0.0	1	EQ	0.6	0.609	27.78	28.4	SW01PU	904	1.0000
DL/KP3.0.0-1	1	EQ	-0.8	0.626	30.21	-31.0	O052SD05	906	1.0000
DL/KP4.1.0	2	EQ	0.0	0.596	29.50	29.5	O052PD05	2370	1.0000
DL/KP4.0.0	2	EQ	0.6	0.591	28.25	28.9	O052PD05	2769	1.0000
DL/KP5.1.0-1	1	EQ	0.0	0.565	31.10	31.1	O052PD05	1202	1.0000
DL/KP5.2.0-1	1	EQ	3.2	0.493	26.26	29.4	O052PD05	2102	1.0000
DL/KP5.0.0	1	EQ	3.9	0.498	24.43	28.3	O052PD05	3126	1.0000
DL/KP6.0.0	2	EQ	0.2	0.602	28.30	28.5	O052PD05	3807	1.0000
DL/KP7.0.0	1	EQ	0.2	0.605	28.66	28.9	O052PD05	3910	1.0000
DL/KP8.1.0-1	1	EQ	0.9	0.588	30.68	31.6	O102PD05	2003	1.0000
DL/KP8.2.0	1	EQ	1.3	0.610	29.90	31.2	O102PD05	2611	1.0000
DL/KP8.0.0	1	EQ	1.5	0.611	29.53	31.1	O102PD05	2771	1.0000
DL/KP9.1.0-1	1	EQ	-0.7	0.530	28.51	-29.2	SW08SU	1543	1.0000
DL/KP9.2.0	1	EQ	2.0	0.548	28.47	30.5	SW09PU	2752	1.0000
DL/KP9.0.0	1	EQ	1.8	0.600	28.11	29.9	SW09PU	3612	1.0000
DL/KP10.1.0-1	1	EQ	0.0	0.543	30.91	31.0	SW09PU	2135	1.0000
DL/KP10.2.0	1	EQ	1.9	0.558	28.52	30.4	SW09PU	3165	1.0000
DL/KP10.0.0	1	EQ	1.8	0.598	28.15	30.0	SW09PU	3742	1.0000
DL/KP11.1.0-1	1	EQ	0.0	0.507	30.03	30.1	SW11PU	2703	1.0000
DL/KP11.2.0	1	EQ	0.7	0.589	28.65	29.3	SW11PU	4342	1.0000
DL/KP11.0.0	1	EQ	1.1	0.593	28.09	29.2	SW11PU	4605	1.0000
DL/KP12.1.0-1	1	EQ	0.0	0.470	30.05	30.0	SW11PU	2794	1.0000
DL/KP12.2.0	1	EQ	3.7	0.520	25.17	28.9	SW11PU	5176	1.0000
DL/KP12.0.0	1	EQ	3.3	0.603	24.83	28.1	SW11PU	6375	1.0000
DL/KP13.1.0-1	1	EQ	0.0	0.473	31.01	31.0	O202PD05	2843	1.0000
DL/KP13.2.0	1	EQ	3.8	0.524	25.85	29.7	O202PD05	5237	1.0000
DL/KP13.0.0	1	EQ	3.4	0.607	25.39	28.8	O202PD05	6444	1.0000
DL/KP14.1.0	1	EQ	0.1	0.585	28.88	28.9	O246PD05	4119	1.0000
DL/KP14.0.0	1	EQ	1.2	0.593	27.30	28.5	O246PD05	4554	1.0000
DL/KP15.1.0	1	EQ	0.0	0.628	27.98	28.0	O233P	4720	1.0000
DL/KP15.0.0	1	EQ	1.8	0.521	25.01	26.9	O246PD05	5311	1.0000
DL/KP16.1.0	1	EQ	0.0	0.637	30.44	30.4	O246PD05	1825	1.0000
DL/KP16.2.0	1	EQ	1.2	0.634	28.74	29.9	O246PD05	2273	1.0000
DL/KP16.3.0	1	EQ	0.0	0.660	29.63	29.6	O246PD05	2722	1.0000
DL/KP17.1.0	1	EQ	0.0	0.553	29.59	29.6	O246PD05	1535	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DL/KP17.2.0	1	EQ	3.1	0.523	25.61	28.7	O246PD05	2267	1.0000
DL/KP17.3.0	1	EQ	2.8	0.583	23.97	26.8	O246PD05	3865	1.0000
DL/KP18.1.0	1	EQ	0.0	0.602	29.62	29.6	O246PD05	1286	1.0000
DL/KP18.2.0	1	EQ	2.5	0.571	26.19	28.7	O246PD05	2016	1.0000
DL/KP18.3.0	1	EQ	2.4	0.629	24.42	26.8	O246PD05	3610	1.0000
DL/KP18.4.0	1	EQ	0.0	0.665	26.41	26.4	O246PD05	4328	1.0000
DL/KP19.0.0-1	1	EQ	0.0	0.671	30.87	30.9	O246PD05	579	1.0000
DL/KP20.0.0-1	1	EQ	0.0	0.765	37.09	-	-	335	1.0000
DL/KP21.0.0-1	1	EQ	0.0	0.785	37.25	-	-	194	1.0000
DL/KP22.0.0	1	EQ	0.0	0.810	37.50	-	-	409	1.0000
DL/KP1-2.1.0	1	EQ	0.4	0.601	29.21	29.6	SW01PU	55	1.0000
DL/KP1-2.0.0	1	EQ	0.7	0.546	35.24	37.1	SW02PU	928	1.0000
DL/KP2-3.1.0-1	1	EQ	-0.2	0.626	30.81	-31.0	O052SD05	969	1.0000
DL/KP2-3.0.0	1	EQ	0.3	0.399	23.30	23.6	SW01PU	3235	1.0000
DL/KP3-4.1.0-1	2	EQ	-0.9	0.428	26.28	-27.2	O052SD05	3652	1.0000
DL/KP3-4.0.0	2	EQ	0.1	0.407	25.13	25.2	O052PD05	5188	1.0000
DL/KP4-5.1.0-1	2	EQ	0.0	0.337	27.41	27.4	SW05PU	3827	1.0000
DL/KP4-5.2.0-1	2	EQ	0.0	0.276	25.41	25.4	SW05PU	5922	1.0000
DL/KP4-5.3.0	2	EQ	1.2	0.282	21.97	23.2	O071P	7058	1.0000
DL/KP4-5.0.0	2	EQ	2.0	0.269	20.13	22.1	O071P	7504	1.0000
DL/KP5-6.1.0	2	EQ	0.2	0.405	25.69	25.9	O052PD05	5903	1.0000
DL/KP5-6.2.0	2	EQ	0.2	0.363	23.33	23.6	O052PD05	8088	1.0000
DL/KP5-6.0.0	2	EQ	1.5	0.356	21.54	23.0	O052PD05	8565	1.0000
DL/KP6-7.0.0	2	EQ	0.4	0.430	23.68	24.1	O052PD05	8271	1.0000
DL/KP7-8.1.0	1	EQ	1.3	0.413	24.60	25.9	O052PD05	6665	1.0000
DL/KP7-8.2.0	1	EQ	1.8	0.410	23.99	25.8	O052PD05	6859	1.0000
DL/KP7-8.0.0	1	EQ	2.0	0.408	23.59	25.6	O052PD05	7029	1.0000
DL/KP8-9.1.0-1	1	EQ	0.5	0.362	29.17	29.6	SW09PU	3681	1.0000
DL/KP8-9.2.0	1	EQ	3.7	0.392	24.79	28.5	SW09PU	5644	1.0000
DL/KP8-9.3.0	1	EQ	4.0	0.392	24.41	28.4	SW09PU	5813	1.0000
DL/KP8-9.0.0	1	EQ	3.7	0.441	24.14	27.9	SW09PU	6706	1.0000
DL/KP9-10.1.0-1	1	EQ	-1.0	0.303	26.78	-27.7	SW08SU	3835	1.0000
DL/KP9-10.2.0	1	EQ	3.7	0.344	25.26	29.0	O102PD05	5924	1.0000
DL/KP9-10.0.0	1	EQ	3.4	0.406	24.79	28.2	O102PD05	7088	1.0000
DL/KP10-11.1.0-1	1	EQ	0.1	0.269	28.28	28.4	SW11PU	5034	1.0000
DL/KP10-11.2.0	1	EQ	3.1	0.361	23.87	27.0	O130P	7901	1.0000
DL/KP10-11.3.0	1	EQ	3.6	0.361	23.05	26.6	O130P	8189	1.0000
DL/KP10-11.0.0	1	EQ	3.5	0.391	22.33	25.8	O130P	8797	1.0000
DL/KP11-12.1.0-1	1	EQ	0.1	0.217	29.34	29.4	O202PD05	5797	1.0000
DL/KP11-12.2.0	1	EQ	6.2	0.281	20.99	27.2	O146P	8690	1.0000
DL/KP11-12.3.0	1	EQ	6.6	0.284	20.16	26.8	O146P	8976	1.0000
DL/KP11-12.0.0	1	EQ	5.8	0.365	19.44	25.2	O146P	10232	1.0000
DL/KP12-13.1.0-1	1	EQ	0.0	0.181	28.25	28.3	SW11PU	6068	1.0000
DL/KP12-13.2.0-1	1	EQ	6.8	0.160	21.07	27.9	SW11PU	6680	1.0000
DL/KP12-13.0.0-1	1	EQ	5.7	0.205	21.77	27.4	SW11PU	7482	1.0000
DL/KP13-14.1.0-1	1	EQ	0.2	0.268	27.40	27.6	O246PD05	5212	1.0000
DL/KP13-14.2.0	1	EQ	5.4	0.297	18.77	24.2	O246PD05	10063	1.0000
DL/KP13-14.3.0	1	EQ	6.4	0.300	17.37	23.8	O246PD05	10533	1.0000
DL/KP13-14.0.0	1	EQ	5.4	0.368	17.45	22.8	O246PD05	11850	1.0000
DL/KP14-15.1.0-1	1	EQ	0.2	0.463	25.93	26.1	O233P	4951	1.0000
DL/KP14-15.2.0	1	EQ	1.9	0.437	19.48	21.3	O233P	7781	1.0000
DL/KP14-15.0.0	1	EQ	4.8	0.351	19.42	24.2	O246PD05	8199	1.0000
DL/KP15-16.1.0	1	EQ	0.0	0.511	27.28	27.3	O246PD05	4811	1.0000
DL/KP15-16.2.0-1	1	EQ	1.9	0.508	24.87	26.8	O246PD05	5317	1.0000
DL/KP15-16.3.0	1	EQ	3.3	0.518	22.99	26.3	O246PD05	5819	1.0000
DL/KP15-16.4.0	1	EQ	1.8	0.547	24.20	26.0	O246PD05	6287	1.0000
DL/KP16-17.1.0	1	EQ	0.0	0.360	24.66	24.7	O233P	3814	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DL/KP16-17.2.0	1	EQ	5.5	0.316	17.66	23.1	O233P	4637	1.0000
DL/KP16-17.3.0	1	EQ	7.1	0.300	15.17	22.2	O233P	5166	0.9829
DL/KP16-17.4.0	1	EQ	6.2	0.296	12.87	19.1	O233P	6920	0.9470
DL/KP16-17.5.0	1	EQ	4.3	0.314	14.12	18.4	O233P	7426	0.9693
DL/KP17-18.1.0	1	EQ	0.0	0.370	26.41	26.4	O246PD05	3374	1.0000
DL/KP17-18.2.0	1	EQ	6.1	0.333	19.42	25.5	O246PD05	4306	1.0000
DL/KP17-18.3.0	1	EQ	6.1	0.333	19.42	25.5	O246PD05	4306	1.0000
DL/KP17-18.4.0	1	EQ	5.5	0.375	18.06	23.5	O246PD05	6190	1.0000
DL/KP17-18.5.0	1	EQ	5.5	0.375	18.06	23.5	O246PD05	6190	1.0000
DL/KP18-19.1.0-1	1	EQ	0.0	0.494	27.63	27.6	O246PD05	2154	1.0000
DL/KP18-19.2.0-1	1	EQ	3.1	0.455	23.52	26.7	O246PD05	3002	1.0000
DL/KP18-19.3.0-1	1	EQ	3.0	0.504	21.59	24.6	O246PD05	4823	1.0000
DL/KP18-19.4.0-1	1	EQ	0.0	0.547	24.02	24.0	O246PD05	5634	1.0000
DL/KP19-20.0.0-1	1	EQ	0.0	0.639	29.62	29.6	O246PD05	1007	1.0000
DL/KP20-21.0.0-1	1	EQ	0.0	0.768	37.07	-	-	564	1.0000
DL/KP21-22.0.0-1	1	EQ	0.0	0.813	37.48	-	-	630	1.0000
DL/KP1-3.1.0-1	1	EQ	-0.2	0.579	29.63	-29.8	SW01SU	983	1.0000
DL/KP1-3.0.0	1	EQ	0.9	0.314	24.30	25.2	O052PD05	3478	1.0000
DL/KP2-4.1.0	2	EQ	1.0	0.267	23.65	24.6	O052PD05	4982	1.0000
DL/KP2-4.2.0	2	EQ	2.2	0.139	16.50	18.7	SW01PU	6765	1.0000
DL/KP2-4.0.0	2	EQ	3.8	0.119	14.16	17.9	SW01PU	7352	0.9189
DL/KP3-5.1.0-2	2	EQ	-1.3	0.148	24.05	-25.4	SW05SU	5339	1.0000
DL/KP3-5.2.0-2	2	EQ	-1.0	0.107	22.08	-23.1	SW05SU	7822	0.7832
DL/KP3-5.3.0	1	EQ	13.0	0.025	4.84	17.8	O071P	8889	0.7647
DL/KP3-5.0.0	1	EQ	14.5	0.006	2.44	16.9	O071P	9461	0.4464
DL/KP4-6.1.0-1	2	EQ	0.0	0.114	24.94	24.9	O086P	6928	0.8769
DL/KP5-7.1.0-2	2	EQ	0.0	0.112	24.62	24.6	O052PD05	7486	0.8451
DL/KP6-8.1.0	2	EQ	2.2	0.248	16.17	18.4	O071P	11441	1.0000
DL/KP6-8.2.0	2	EQ	2.7	0.242	15.32	18.1	O071P	11651	0.9893
DL/KP6-8.0.0	2	EQ	3.1	0.239	14.74	17.8	O071P	11834	0.9796
DL/KP7-9.1.0	1	EQ	1.1	0.235	22.31	23.4	O130P	9295	1.0000
DL/KP7-9.2.0-1	1	EQ	4.0	0.115	21.18	25.1	O052PD05	7756	0.8892
DL/KP7-9.3.0-1	1	EQ	4.5	0.112	20.54	25.0	O052PD05	7939	0.8547
DL/KP7-9.0.0	1	EQ	5.1	0.214	15.86	21.0	O130P	11478	0.9978
DL/KP8-10.1.0-1	1	EQ	1.0	0.138	27.41	28.4	O102PD05	6167	1.0000
DL/KP8-10.2.0-1	1	EQ	6.6	0.102	21.29	27.9	O102PD05	7025	0.7159
DL/KP8-10.3.0-1	1	EQ	7.1	0.102	20.62	27.8	O146P	7212	0.7075
DL/KP8-10.0.0	1	EQ	6.6	0.247	17.17	23.8	O146P	10550	1.0000
DL/KP9-11.1.0-1	1	EQ	-2.4	0.061	21.76	-25.9	SW08SU	7011	0.2146
DL/KP9-11.0.0-1	1	EQ	7.6	0.055	17.27	26.3	SW11PU	9017	0.1470
DL/KP13-15.1.0	1	EQ	0.3	0.166	14.10	14.4	O233P	12917	0.9689
DL/KP13-15.2.0	1	EQ	8.2	0.081	4.73	12.9	O233P	13983	0.3060
DL/KP13-15.3.0	1	EQ	9.0	0.058	3.07	12.1	O233P	14484	0.1028
DL/KP14-16.1.0-1	1	EQ	1.2	0.343	23.41	24.7	O246PD05	7612	1.0000
DL/KP14-16.2.0	1	EQ	5.0	0.339	19.07	24.1	O246PD05	8216	1.0000
DL/KP14-16.3.0	1	EQ	6.8	0.344	16.89	23.7	O246PD05	8780	1.0000
DL/KP14-16.4.0	1	EQ	6.8	0.344	16.89	23.7	O246PD05	8780	1.0000
DL/KP14-16.5.0	1	EQ	4.4	0.375	18.82	23.2	O246PD05	9247	1.0000
DL/KP15-17.1.0	1	EQ	4.2	0.183	20.32	24.5	SW14PU	7554	1.0000
DL/KP15-17.2.0	1	EQ	10.5	0.136	13.31	23.8	SW14PU	8532	0.7182
DL/KP15-17.3.0-1	1	EQ	11.7	0.118	11.66	23.3	SW14PU	9101	0.5555
DL/KP15-17.4.0	1	EQ	12.3	0.113	10.63	22.9	SW14PU	9644	0.4531
DL/KP15-17.5.0	1	EQ	10.8	0.137	10.03	20.8	SW17PU	11527	0.6483
DL/KP15-17.6.0	1	EQ	9.0	0.166	11.22	20.2	SW17PU	12078	0.7930
DL/KP16-18.1.0	1	EQ	7.2	0.121	11.85	19.1	O233P	6428	0.8931
DL/KP16-18.2.0	1	EQ	13.2	0.056	4.33	17.6	O233P	7619	0.0541
DL/KP16-18.3.0	1	EQ	13.2	0.056	4.33	17.6	O233P	7619	0.0541

CASE	STAGE	PHASE	HEEL	GZMAXR	RANGEF	FAUN	FLUNOP	WFL	S
			degree	m	degree	degree		t	
DL/KP17-19.1.0-1	1	EQ	0.0	0.241	24.06	24.1	O246PD05	4830	1.0000
DL/KP17-19.2.0-1	1	EQ	10.5	0.198	12.62	23.1	O246PD05	6187	0.7088
DL/KP17-19.3.0-1	1	EQ	10.5	0.198	12.62	23.1	O246PD05	6187	0.7088
DL/KP17-19.4.0	1	EQ	9.3	0.151	8.07	17.4	O299S	9509	0.7095
DL/KP17-19.5.0	1	EQ	9.3	0.151	8.07	17.4	O299S	9509	0.7095
DL/KP18-20.1.0-1	1	EQ	0.0	0.439	26.05	26.0	O246PD05	2867	1.0000
DL/KP18-20.2.0-1	1	EQ	3.5	0.395	21.50	25.0	O246PD05	3813	1.0000
DL/KP18-20.3.0-1	1	EQ	3.4	0.423	19.40	22.8	O246PD05	5837	1.0000
DL/KP18-20.4.0	1	EQ	0.0	0.343	14.78	14.8	O312P	8411	0.9803
DL/KP19-21.0.0-1	1	EQ	0.0	0.634	28.92	28.9	O246PD05	1312	1.0000
DL/KP20-22.0.0-1	1	EQ	0.0	0.796	37.30	-	-	1049	1.0000

13. MINOR DAMAGES IN ACCORDING TO SOLAS II-1 Reg. 8

"S"-Factor is in all minor damages more than 0.9

DETAILED LIST OF DRAUGHT, TRIM, HEEL, GM, FREEBOARD AND S VALUES

CASE = Initial/Damage case
STAGE = Intermediate flooding stage
PHASE = Intermediate filling phase
SIDE = Floating position P- or S-side
T = Moulded draught
TR = Trim (+ bow/ - stern)
HEEL = List (+ port / - starboard)
GMACT = Actual GM at equilibrium
F = Freeboard in middle of damaged zone
S = "s" - factor

PROBABILISTIC DAMAGE STABILITY

CASE	STAGE	PHASE	SIDE	T	TR	HEEL	GMACT	F	S
				m	m	degree	m	m	
DS/MS1-2.1.0	1	EQ	S	8.89	-0.81	-1.1	1.732	1.95	1.00000
DS/MS2-3.1.0	1	EQ	S	9.04	-1.97	-1.9	1.600	0.95	1.00000
DS/MS3-4.1.0-1	2	EQ	S	9.09	-1.88	-0.4	1.713	1.44	1.00000
DS/MS4-5.1.0	2	EQ	S	9.15	-1.92	0.0	1.796	1.49	1.00000
DS/MS5-6.1.0-1	2	EQ	S	9.13	-1.34	0.0	1.537	1.80	1.00000
DS/MS6-7.1.0	2	EQ	S	9.50	-2.17	0.0	1.912	1.01	0.98711
DS/MS7-8.1.0-1	1	EQ	S	9.29	-1.14	-1.1	1.872	1.38	1.00000
DS/MS8-9.1.0-1	1	EQ	S	9.17	-0.59	-1.9	1.705	1.53	1.00000
DS/MS9-10.1.0-1	1	EQ	S	9.21	-0.32	-0.8	1.312	1.97	1.00000
DS/MS10-11.1.0-1	1	EQ	S	9.36	-0.01	0.1	1.233	2.20	1.00000
DS/MS11-12.1.0-1	1	EQ	S	9.47	0.43	0.0	1.142	2.33	1.00000
DS/MS12-13.1.0-1	1	EQ	S	9.53	0.96	0.0	1.118	2.55	1.00000
DS/MS13-14.1.0-1	1	EQ	S	9.46	1.24	0.1	1.140	2.74	1.00000
DS/MS14-15.1.0	1	EQ	S	9.70	2.35	0.1	1.454	3.05	0.96363
DS/MS15-16.1.0-1	1	EQ	S	9.43	1.80	0.0	1.370	3.06	1.00000
DS/MS16-17.1.0	1	EQ	S	9.31	1.70	0.0	1.088	3.14	1.00000
DS/MS17-18.1.0	1	EQ	S	9.27	1.82	0.0	0.942	3.23	1.00000
DS/MS18-19.1.0-1	1	EQ	S	9.15	1.48	0.0	1.497	3.19	1.00000
DS/MS19-20.0.0-1	1	EQ	S	8.99	0.87	0.0	2.054	3.05	1.00000
DS/MS20-21.0.0-1	1	EQ	S	8.91	0.53	0.0	2.315	2.96	1.00000
DS/MS21-22.0.0-1	1	EQ	S	8.90	0.54	0.0	2.402	2.97	1.00000
DP/MS1-2.1.0	1	EQ	S	8.60	-0.71	-0.9	1.677	2.36	1.00000
DP/MS2-3.1.0	1	EQ	S	8.74	-1.87	-2.0	1.541	1.29	1.00000
DP/MS3-4.1.0-1	2	EQ	S	8.79	-1.80	-0.6	1.631	1.73	1.00000
DP/MS4-5.1.0-1	2	EQ	S	8.81	-1.66	0.0	1.632	1.96	1.00000
DP/MS5-6.1.0-1	2	EQ	S	8.84	-1.30	0.0	1.434	2.11	1.00000
DP/MS6-7.1.0-1	2	EQ	S	9.13	-1.93	0.0	1.776	1.50	1.00000
DP/MS7-8.1.0-1	1	EQ	S	8.99	-1.12	-1.1	1.788	1.69	1.00000
DP/MS8-9.1.0-1	1	EQ	S	8.87	-0.58	-1.9	1.657	1.83	1.00000
DP/MS9-10.1.0-1	1	EQ	S	8.91	-0.30	-0.9	1.246	2.25	1.00000
DP/MS10-11.1.0-1	1	EQ	S	9.05	-0.02	0.1	1.096	2.50	1.00000
DP/MS11-12.1.0-1	1	EQ	S	9.16	0.41	0.1	0.924	2.63	1.00000
DP/MS12-13.1.0-1	1	EQ	S	9.21	0.92	0.0	0.907	2.85	1.00000
DP/MS13-14.1.0-1	1	EQ	S	9.14	1.20	0.1	0.893	3.02	1.00000
DP/MS14-15.1.0-1	1	EQ	S	9.13	1.55	0.1	1.006	3.20	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/MS15-16.1.0-1	1	EQ	S	9.12	1.76	0.0	1.150	3.35	1.00000
DP/MS16-17.1.0	1	EQ	S	9.00	1.62	0.0	0.886	3.41	1.00000
DP/MS17-18.1.0	1	EQ	S	8.95	1.69	0.0	0.782	3.50	1.00000
DP/MS18-19.1.0-1	1	EQ	S	8.83	1.36	0.0	1.363	3.45	1.00000
DP/MS19-20.0.0-1	1	EQ	S	8.69	0.79	0.0	1.906	3.31	1.00000
DP/MS20-21.0.0-1	1	EQ	S	8.62	0.48	0.0	2.160	3.23	1.00000
DP/MS21-22.0.0-1	1	EQ	S	8.62	0.53	0.0	2.239	3.25	1.00000
DL/MS1-2.1.0	1	EQ	S	8.16	-0.57	-0.7	1.355	2.93	1.00000
DL/MS2-3.1.0-1	1	EQ	S	8.23	-1.20	-2.4	1.103	2.00	1.00000
DL/MS3-4.1.0-1	2	EQ	S	8.35	-1.72	-0.9	1.302	2.09	1.00000
DL/MS4-5.1.0-1	2	EQ	S	8.38	-1.64	0.0	1.302	2.41	1.00000
DL/MS5-6.1.0-1	2	EQ	S	8.40	-1.28	0.0	1.089	2.56	1.00000
DL/MS6-7.1.0-1	2	EQ	S	8.68	-1.92	0.0	1.548	1.96	1.00000
DL/MS7-8.1.0-1	1	EQ	S	8.55	-1.12	-1.3	1.482	2.09	1.00000
DL/MS8-9.1.0-1	1	EQ	S	8.42	-0.58	-2.1	1.315	2.20	1.00000
DL/MS9-10.1.0-1	1	EQ	S	8.46	-0.32	-1.0	1.042	2.67	1.00000
DL/MS10-11.1.0-1	1	EQ	S	8.59	-0.05	0.1	1.207	2.94	1.00000
DL/MS11-12.1.0-1	1	EQ	S	8.69	0.35	0.1	0.823	3.06	1.00000
DL/MS12-13.1.0-1	1	EQ	S	8.74	0.85	0.0	0.396	3.28	1.00000
DL/MS13-14.1.0-1	1	EQ	S	8.67	1.12	0.2	0.584	3.43	1.00000
DL/MS14-15.1.0-1	1	EQ	S	8.66	1.47	0.2	0.812	3.62	1.00000
DL/MS15-16.1.0-1	1	EQ	S	8.66	1.68	0.0	0.784	3.77	1.00000
DL/MS16-17.1.0	1	EQ	S	8.52	1.47	0.0	0.506	3.81	1.00000
DL/MS17-18.1.0	1	EQ	S	8.46	1.46	0.0	0.453	3.87	1.00000
DL/MS18-19.1.0-1	1	EQ	S	8.35	1.15	0.0	1.101	3.82	1.00000
DL/MS19-20.0.0-1	1	EQ	S	8.23	0.66	0.0	1.641	3.70	1.00000
DL/MS20-21.0.0-1	1	EQ	S	8.18	0.41	0.0	1.838	3.63	1.00000
DL/MS21-22.0.0-1	1	EQ	S	8.19	0.51	0.0	1.915	3.67	1.00000
DS/MP1-2.1.0	1	EQ	P	8.89	-0.81	1.1	1.732	1.95	1.00000
DS/MP2-3.1.0	1	EQ	P	9.04	-1.97	1.0	1.605	1.24	1.00000
DS/MP3-4.1.0-1	2	EQ	P	9.09	-1.88	-0.4	1.713	1.44	1.00000
DS/MP4-5.1.0	2	EQ	P	9.15	-1.92	0.0	1.796	1.49	1.00000
DS/MP5-6.1.0-1	2	EQ	P	9.13	-1.34	0.0	1.537	1.80	1.00000
DS/MP6-7.1.0	2	EQ	P	9.50	-2.17	0.0	1.912	1.01	0.98711
DS/MP7-8.1.0-1	1	EQ	P	9.29	-1.14	1.1	1.872	1.38	1.00000
DS/MP8-9.1.0-1	1	EQ	P	9.17	-0.59	0.5	1.658	1.96	1.00000
DS/MP9-10.1.0-1	1	EQ	P	9.21	-0.32	-0.8	1.312	1.97	1.00000
DS/MP10-11.1.0-1	1	EQ	P	9.36	-0.01	0.1	1.233	2.20	1.00000
DS/MP11-12.1.0-1	1	EQ	P	9.47	0.43	0.0	1.142	2.33	1.00000
DS/MP12-13.1.0-1	1	EQ	P	9.53	0.96	0.0	1.118	2.55	1.00000
DS/MP13-14.1.0-1	1	EQ	P	9.46	1.24	0.1	1.140	2.74	1.00000
DS/MP14-15.1.0	1	EQ	P	9.70	2.35	0.1	1.454	3.05	0.96363
DS/MP15-16.1.0-1	1	EQ	P	9.43	1.80	0.0	1.370	3.06	1.00000
DS/MP16-17.1.0	1	EQ	P	9.31	1.70	0.0	1.088	3.14	1.00000
DS/MP17-18.1.0	1	EQ	P	9.27	1.82	0.0	0.942	3.23	1.00000
DS/MP18-19.1.0-1	1	EQ	P	9.15	1.48	0.0	1.497	3.19	1.00000
DS/MP19-20.0.0-1	1	EQ	P	8.99	0.87	0.0	2.054	3.05	1.00000
DS/MP20-21.0.0-1	1	EQ	P	8.91	0.53	0.0	2.315	2.96	1.00000
DS/MP21-22.0.0-1	1	EQ	P	8.90	0.54	0.0	2.402	2.97	1.00000
DP/MP1-2.1.0	1	EQ	P	8.60	-0.71	0.9	1.677	2.36	1.00000
DP/MP2-3.1.0	1	EQ	P	8.75	-1.87	0.7	1.548	1.68	1.00000
DP/MP3-4.1.0-1	2	EQ	P	8.79	-1.80	-0.6	1.631	1.73	1.00000
DP/MP4-5.1.0-1	2	EQ	P	8.81	-1.66	0.0	1.632	1.96	1.00000
DP/MP5-6.1.0-1	2	EQ	P	8.84	-1.30	0.0	1.434	2.11	1.00000
DP/MP6-7.1.0-1	2	EQ	P	9.13	-1.93	0.0	1.776	1.50	1.00000
DP/MP7-8.1.0-1	1	EQ	P	8.99	-1.12	1.1	1.788	1.69	1.00000
DP/MP8-9.1.0-1	1	EQ	P	8.87	-0.58	0.5	1.540	2.29	1.00000

CASE	STAGE	PHASE	SIDE	T m	TR m	HEEL degree	GMACT m	F m	S
DP/MP9-10.1.0-1	1	EQ	P	8.91	-0.30	-0.9	1.246	2.25	1.00000
DP/MP10-11.1.0-1	1	EQ	P	9.05	-0.02	0.1	1.096	2.50	1.00000
DP/MP11-12.1.0-1	1	EQ	P	9.16	0.41	0.1	0.924	2.63	1.00000
DP/MP12-13.1.0-1	1	EQ	P	9.21	0.92	0.0	0.907	2.85	1.00000
DP/MP13-14.1.0-1	1	EQ	P	9.14	1.20	0.1	0.893	3.02	1.00000
DP/MP14-15.1.0-1	1	EQ	P	9.13	1.55	0.1	1.006	3.20	1.00000
DP/MP15-16.1.0-1	1	EQ	P	9.12	1.76	0.0	1.150	3.35	1.00000
DP/MP16-17.1.0	1	EQ	P	9.00	1.62	0.0	0.886	3.41	1.00000
DP/MP17-18.1.0	1	EQ	P	8.95	1.69	0.0	0.782	3.50	1.00000
DP/MP18-19.1.0-1	1	EQ	P	8.83	1.36	0.0	1.363	3.45	1.00000
DP/MP19-20.0.0-1	1	EQ	P	8.69	0.79	0.0	1.906	3.31	1.00000
DP/MP20-21.0.0-1	1	EQ	P	8.62	0.48	0.0	2.160	3.23	1.00000
DP/MP21-22.0.0-1	1	EQ	P	8.62	0.53	0.0	2.239	3.25	1.00000
DL/MP1-2.1.0	1	EQ	P	8.16	-0.57	0.7	1.355	2.93	1.00000
DL/MP2-3.1.0	1	EQ	P	8.31	-1.75	0.3	1.247	2.32	1.00000
DL/MP3-4.1.0-1	2	EQ	P	8.35	-1.72	-0.9	1.302	2.09	1.00000
DL/MP4-5.1.0-1	2	EQ	P	8.38	-1.64	0.0	1.302	2.41	1.00000
DL/MP5-6.1.0-1	2	EQ	P	8.40	-1.28	0.0	1.089	2.56	1.00000
DL/MP6-7.1.0-1	2	EQ	P	8.68	-1.92	0.0	1.548	1.96	1.00000
DL/MP7-8.1.0-1	1	EQ	P	8.55	-1.12	1.3	1.482	2.09	1.00000
DL/MP8-9.1.0-1	1	EQ	P	8.43	-0.58	0.5	1.355	2.73	1.00000
DL/MP9-10.1.0-1	1	EQ	P	8.46	-0.32	-1.0	1.042	2.67	1.00000
DL/MP10-11.1.0-1	1	EQ	P	8.59	-0.05	0.1	1.207	2.94	1.00000
DL/MP11-12.1.0-1	1	EQ	P	8.69	0.35	0.1	0.823	3.06	1.00000
DL/MP12-13.1.0-1	1	EQ	P	8.74	0.85	0.0	0.396	3.28	1.00000
DL/MP13-14.1.0-1	1	EQ	P	8.67	1.12	0.2	0.584	3.43	1.00000
DL/MP14-15.1.0-1	1	EQ	P	8.66	1.47	0.2	0.812	3.62	1.00000
DL/MP15-16.1.0-1	1	EQ	P	8.66	1.68	0.0	0.784	3.77	1.00000
DL/MP16-17.1.0	1	EQ	P	8.52	1.47	0.0	0.506	3.81	1.00000
DL/MP17-18.1.0	1	EQ	P	8.46	1.46	0.0	0.453	3.87	1.00000
DL/MP18-19.1.0-1	1	EQ	P	8.35	1.15	0.0	1.101	3.82	1.00000
DL/MP19-20.0.0-1	1	EQ	P	8.23	0.66	0.0	1.641	3.70	1.00000
DL/MP20-21.0.0-1	1	EQ	P	8.18	0.41	0.0	1.838	3.63	1.00000
DL/MP21-22.0.0-1	1	EQ	P	8.19	0.51	0.0	1.915	3.67	1.00000

DETAILED LIST OF GZMAX, RANGE, OPENING, INFLOODED WATER AND S VALUES

CASE = Initial/Damage case
STAGE = Intermediate flooding stage
PHASE = Intermediate filling phase
HEEL = List (+ port / - starboard)
GZMAXR = Maximum GZ from equilibrium to flooding angle
RANGEF = Range up to flooding angle
FAUN = Flooding angle of critical unprotected opening
FLUNOP = Critical flooding unprotected opening
WFL = Total amount of sea water in damaged spaces
S = "s" - factor

PROBABILISTIC DAMAGE STABILITY

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DS/MS1-2.1.0	1	EQ	-1.1	0.757	37.21	-	-	1439	1.0000
DS/MS2-3.1.0	1	EQ	-1.9	0.543	34.05	-	-	3867	1.0000
DS/MS3-4.1.0-1	2	EQ	-0.4	0.572	36.03	-	-	4264	1.0000
DS/MS4-5.1.0	2	EQ	0.0	0.434	33.07	-	-	4894	1.0000
DS/MS5-6.1.0-1	2	EQ	0.0	0.474	35.31	-	-	4344	1.0000
DS/MS6-7.1.0	2	EQ	0.0	0.565	35.10	-	-	8801	0.9871
DS/MS7-8.1.0-1	1	EQ	-1.1	0.455	31.82	-	-	5841	1.0000
DS/MS8-9.1.0-1	1	EQ	-1.9	0.529	33.90	-	-	4286	1.0000
DS/MS9-10.1.0-1	1	EQ	-0.8	0.489	34.65	-	-	4506	1.0000
DS/MS10-11.1.0-1	1	EQ	0.1	0.408	32.44	-	-	5809	1.0000
DS/MS11-12.1.0-1	1	EQ	0.0	0.414	34.20	-	-	6701	1.0000
DS/MS12-13.1.0-1	1	EQ	0.0	0.386	34.05	-	-	7014	1.0000
DS/MS13-14.1.0-1	1	EQ	0.1	0.410	32.74	-	-	6093	1.0000
DS/MS14-15.1.0	1	EQ	0.1	0.663	36.38	-	-	8071	0.9636
DS/MS15-16.1.0-1	1	EQ	0.0	0.701	36.88	-	-	5523	1.0000
DS/MS16-17.1.0	1	EQ	0.0	0.472	33.70	-	-	4361	1.0000
DS/MS17-18.1.0	1	EQ	0.0	0.526	35.49	-	-	3879	1.0000
DS/MS18-19.1.0-1	1	EQ	0.0	0.648	36.49	-	-	2743	1.0000
DS/MS19-20.0.0-1	1	EQ	0.0	0.794	36.96	-	-	1437	1.0000
DS/MS20-21.0.0-1	1	EQ	0.0	0.985	39.49	-	-	801	1.0000
DS/MS21-22.0.0-1	1	EQ	0.0	1.033	39.87	-	-	734	1.0000
DP/MS1-2.1.0	1	EQ	-0.9	0.705	36.89	-	-	1241	1.0000
DP/MS2-3.1.0	1	EQ	-2.0	0.520	33.70	-	-	3614	1.0000
DP/MS3-4.1.0-1	2	EQ	-0.6	0.542	35.46	-	-	4015	1.0000
DP/MS4-5.1.0-1	2	EQ	0.0	0.417	32.96	-	-	4094	1.0000
DP/MS5-6.1.0-1	2	EQ	0.0	0.444	34.89	-	-	4136	1.0000
DP/MS6-7.1.0-1	2	EQ	0.0	0.493	34.73	-	-	7619	1.0000
DP/MS7-8.1.0-1	1	EQ	-1.1	0.438	31.60	-	-	5605	1.0000
DP/MS8-9.1.0-1	1	EQ	-1.9	0.485	33.40	-	-	4052	1.0000
DP/MS9-10.1.0-1	1	EQ	-0.9	0.442	34.09	-	-	4203	1.0000
DP/MS10-11.1.0-1	1	EQ	0.1	0.380	32.06	-	-	5466	1.0000
DP/MS11-12.1.0-1	1	EQ	0.1	0.361	33.76	-	-	6327	1.0000
DP/MS12-13.1.0-1	1	EQ	0.0	0.331	33.59	-	-	6636	1.0000
DP/MS13-14.1.0-1	1	EQ	0.1	0.381	32.29	-	-	5741	1.0000
DP/MS14-15.1.0-1	1	EQ	0.1	0.608	35.95	-	-	5427	1.0000
DP/MS15-16.1.0-1	1	EQ	0.0	0.655	36.31	-	-	5239	1.0000
DP/MS16-17.1.0	1	EQ	0.0	0.449	33.17	-	-	4027	1.0000
DP/MS17-18.1.0	1	EQ	0.0	0.481	34.86	-	-	3475	1.0000
DP/MS18-19.1.0-1	1	EQ	0.0	0.608	35.87	-	-	2432	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/MS19-20.0.0-1	1	EQ	0.0	0.760	36.43	-	-	1255	1.0000
DP/MS20-21.0.0-1	1	EQ	0.0	0.927	38.89	-	-	703	1.0000
DP/MS21-22.0.0-1	1	EQ	0.0	0.975	39.28	-	-	691	1.0000
DL/MS1-2.1.0	1	EQ	-0.7	0.550	35.28	-	-	928	1.0000
DL/MS2-3.1.0-1	1	EQ	-2.4	0.415	31.49	-	-	2155	1.0000
DL/MS3-4.1.0-1	2	EQ	-0.9	0.428	33.28	-	-	3652	1.0000
DL/MS4-5.1.0-1	2	EQ	0.0	0.337	31.32	-	-	3827	1.0000
DL/MS5-6.1.0-1	2	EQ	0.0	0.335	32.93	-	-	3833	1.0000
DL/MS6-7.1.0-1	2	EQ	0.0	0.386	33.13	-	-	7215	1.0000
DL/MS7-8.1.0-1	1	EQ	-1.3	0.346	29.91	-	-	5261	1.0000
DL/MS8-9.1.0-1	1	EQ	-2.1	0.349	31.30	-	-	3734	1.0000
DL/MS9-10.1.0-1	1	EQ	-1.0	0.303	32.10	-	-	3835	1.0000
DL/MS10-11.1.0-1	1	EQ	0.1	0.269	30.24	-	-	5034	1.0000
DL/MS11-12.1.0-1	1	EQ	0.1	0.217	31.65	-	-	5797	1.0000
DL/MS12-13.1.0-1	1	EQ	0.0	0.181	31.33	-	-	6068	1.0000
DL/MS13-14.1.0-1	1	EQ	0.2	0.268	30.28	-	-	5212	1.0000
DL/MS14-15.1.0-1	1	EQ	0.2	0.463	34.01	-	-	4951	1.0000
DL/MS15-16.1.0-1	1	EQ	0.0	0.511	34.40	-	-	4811	1.0000
DL/MS16-17.1.0	1	EQ	0.0	0.348	31.20	-	-	3522	1.0000
DL/MS17-18.1.0	1	EQ	0.0	0.348	32.68	-	-	2868	1.0000
DL/MS18-19.1.0-1	1	EQ	0.0	0.485	33.83	-	-	1972	1.0000
DL/MS19-20.0.0-1	1	EQ	0.0	0.639	34.70	-	-	1007	1.0000
DL/MS20-21.0.0-1	1	EQ	0.0	0.768	37.07	-	-	564	1.0000
DL/MS21-22.0.0-1	1	EQ	0.0	0.813	37.48	-	-	630	1.0000
DS/MP1-2.1.0	1	EQ	1.1	0.751	37.15	-	-	1439	1.0000
DS/MP2-3.1.0	1	EQ	1.0	0.525	34.76	-	-	3878	1.0000
DS/MP3-4.1.0-1	2	EQ	-0.4	0.572	36.03	-	-	4264	1.0000
DS/MP4-5.1.0	2	EQ	0.0	0.434	33.07	-	-	4894	1.0000
DS/MP5-6.1.0-1	2	EQ	0.0	0.474	35.31	-	-	4344	1.0000
DS/MP6-7.1.0	2	EQ	0.0	0.565	35.10	-	-	8801	0.9871
DS/MP7-8.1.0-1	1	EQ	1.1	0.456	31.85	-	-	5841	1.0000
DS/MP8-9.1.0-1	1	EQ	0.5	0.541	35.33	-	-	4266	1.0000
DS/MP9-10.1.0-1	1	EQ	-0.8	0.489	34.65	-	-	4506	1.0000
DS/MP10-11.1.0-1	1	EQ	0.1	0.408	32.44	-	-	5809	1.0000
DS/MP11-12.1.0-1	1	EQ	0.0	0.414	34.20	-	-	6701	1.0000
DS/MP12-13.1.0-1	1	EQ	0.0	0.386	34.05	-	-	7014	1.0000
DS/MP13-14.1.0-1	1	EQ	0.1	0.410	32.74	-	-	6093	1.0000
DS/MP14-15.1.0	1	EQ	0.1	0.663	36.38	-	-	8071	0.9636
DS/MP15-16.1.0-1	1	EQ	0.0	0.701	36.88	-	-	5523	1.0000
DS/MP16-17.1.0	1	EQ	0.0	0.472	33.70	-	-	4361	1.0000
DS/MP17-18.1.0	1	EQ	0.0	0.526	35.49	-	-	3879	1.0000
DS/MP18-19.1.0-1	1	EQ	0.0	0.648	36.49	-	-	2743	1.0000
DS/MP19-20.0.0-1	1	EQ	0.0	0.794	36.96	-	-	1437	1.0000
DS/MP20-21.0.0-1	1	EQ	0.0	0.985	39.49	-	-	801	1.0000
DS/MP21-22.0.0-1	1	EQ	0.0	1.033	39.87	-	-	734	1.0000
DP/MP1-2.1.0	1	EQ	0.9	0.700	36.84	-	-	1241	1.0000
DP/MP2-3.1.0	1	EQ	0.7	0.503	34.73	-	-	3614	1.0000
DP/MP3-4.1.0-1	2	EQ	-0.6	0.542	35.46	-	-	4015	1.0000
DP/MP4-5.1.0-1	2	EQ	0.0	0.417	32.96	-	-	4094	1.0000
DP/MP5-6.1.0-1	2	EQ	0.0	0.444	34.89	-	-	4136	1.0000
DP/MP6-7.1.0-1	2	EQ	0.0	0.493	34.73	-	-	7619	1.0000
DP/MP7-8.1.0-1	1	EQ	1.1	0.440	31.62	-	-	5605	1.0000
DP/MP8-9.1.0-1	1	EQ	0.5	0.497	34.93	-	-	4016	1.0000
DP/MP9-10.1.0-1	1	EQ	-0.9	0.442	34.09	-	-	4203	1.0000
DP/MP10-11.1.0-1	1	EQ	0.1	0.380	32.06	-	-	5466	1.0000
DP/MP11-12.1.0-1	1	EQ	0.1	0.361	33.76	-	-	6327	1.0000
DP/MP12-13.1.0-1	1	EQ	0.0	0.331	33.59	-	-	6636	1.0000

CASE	STAGE	PHASE	HEEL degree	GZMAXR m	RANGEF degree	FAUN degree	FLUNOP	WFL t	S
DP/MP13-14.1.0-1	1	EQ	0.1	0.381	32.29	-	-	5741	1.0000
DP/MP14-15.1.0-1	1	EQ	0.1	0.608	35.95	-	-	5427	1.0000
DP/MP15-16.1.0-1	1	EQ	0.0	0.655	36.31	-	-	5239	1.0000
DP/MP16-17.1.0	1	EQ	0.0	0.449	33.17	-	-	4027	1.0000
DP/MP17-18.1.0	1	EQ	0.0	0.481	34.86	-	-	3475	1.0000
DP/MP18-19.1.0-1	1	EQ	0.0	0.608	35.87	-	-	2432	1.0000
DP/MP19-20.0.0-1	1	EQ	0.0	0.760	36.43	-	-	1255	1.0000
DP/MP20-21.0.0-1	1	EQ	0.0	0.927	38.89	-	-	703	1.0000
DP/MP21-22.0.0-1	1	EQ	0.0	0.975	39.28	-	-	691	1.0000
DL/MP1-2.1.0	1	EQ	0.7	0.546	35.24	-	-	928	1.0000
DL/MP2-3.1.0	1	EQ	0.3	0.400	33.47	-	-	3235	1.0000
DL/MP3-4.1.0-1	2	EQ	-0.9	0.428	33.28	-	-	3652	1.0000
DL/MP4-5.1.0-1	2	EQ	0.0	0.337	31.32	-	-	3827	1.0000
DL/MP5-6.1.0-1	2	EQ	0.0	0.335	32.93	-	-	3833	1.0000
DL/MP6-7.1.0-1	2	EQ	0.0	0.386	33.13	-	-	7215	1.0000
DL/MP7-8.1.0-1	1	EQ	1.3	0.347	29.94	-	-	5261	1.0000
DL/MP8-9.1.0-1	1	EQ	0.5	0.362	33.07	-	-	3681	1.0000
DL/MP9-10.1.0-1	1	EQ	-1.0	0.303	32.10	-	-	3835	1.0000
DL/MP10-11.1.0-1	1	EQ	0.1	0.269	30.24	-	-	5034	1.0000
DL/MP11-12.1.0-1	1	EQ	0.1	0.217	31.65	-	-	5797	1.0000
DL/MP12-13.1.0-1	1	EQ	0.0	0.181	31.33	-	-	6068	1.0000
DL/MP13-14.1.0-1	1	EQ	0.2	0.268	30.28	-	-	5212	1.0000
DL/MP14-15.1.0-1	1	EQ	0.2	0.463	34.01	-	-	4951	1.0000
DL/MP15-16.1.0-1	1	EQ	0.0	0.511	34.40	-	-	4811	1.0000
DL/MP16-17.1.0	1	EQ	0.0	0.348	31.20	-	-	3522	1.0000
DL/MP17-18.1.0	1	EQ	0.0	0.348	32.68	-	-	2868	1.0000
DL/MP18-19.1.0-1	1	EQ	0.0	0.485	33.83	-	-	1972	1.0000
DL/MP19-20.0.0-1	1	EQ	0.0	0.639	34.70	-	-	1007	1.0000
DL/MP20-21.0.0-1	1	EQ	0.0	0.768	37.07	-	-	564	1.0000
DL/MP21-22.0.0-1	1	EQ	0.0	0.813	37.48	-	-	630	1.0000