

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               *                               *
* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *                               *
*****

```

```

+++ P R O G R A M   P A R A M E T E R S +++
=====

```

Process is DEFAULT: Units Are Degrees, Feet, and Kips Unless Specified

```

Max. Length for Drag Comp.      =      20.000
Max. Area for Drag Comp.        =     400.000
Specific Gravity of Water       =       1.025
Acceleration of Gravity         =     32.200
Water Depth                     =     50.000
Added Mass Coef. for Tubes      =       0.800
Added Mass Coef. for Plates     =       0.376
Drag Coef. for Plates           =       1.000

```

NUMBER	COEFFICIENT
-----	-----
.10E+01	0.63
.10E+09	0.63

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

+++ CATEGORY SUMMARY FOR SELECTED PARTS +++  
 =====

Process is DEFAULT: Units Are Degrees, Feet, and Kips Unless Specified

Results Are Reported In The Part System

Category	Weight Factor	Buoyancy Factor	Name	Weight	/--- Center of Gravity ---/			Buoyancy	/-- Center of Buoyancy --/		
					X	Y	Z		X	Y	Z
CARGO	1.000	1.000	CARGO	490.00	24.50	2.46	14.00	0.00	0.00	0.00	0.00
CREW	1.000	1.000	CREW	12.00	72.00	0.00	16.19	0.00	0.00	0.00	0.00
LEGS	1.000	1.000	C_PAD	26.08	97.25	0.00	-54.00	0.00	0.00	0.00	0.00
			P_PAD	26.08	24.00	-31.75	-54.00	0.00	0.00	0.00	0.00
			S_PAD	26.08	24.00	31.75	-54.00	0.00	0.00	0.00	0.00
			~LEG	478.92	48.42	0.00	46.75	615.31	48.42	0.00	46.75
L_SHIP	1.000	1.000	HULL	837.79	50.44	-1.28	9.08	0.00	0.00	0.00	0.00
VARIABLE	1.000	1.000	VARIABLE	391.00	59.61	0.01	15.03	0.00	0.00	0.00	0.00
TOTAL				2287.94	46.07	0.06	16.92	615.31	48.42	0.00	46.75

\*\*\*\*\*  
 \* \*\*\* MOSES \*\*\* \*  
 \* ----- \*  
 \* April 25, 2002 \*  
 \* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, \*  
 \* \*\*\*\*\*

+++ E X T E R N A L P I E C E S U M M A R Y +++  
 =====

Process is DEFAULT: Units Are Degrees, Feet, and Kips Unless Specified

Piece Name	Permeab.	Diffrac. Type	Wind Coefficients			Drag Coefficients			Projected Area			Sum Area * Normal		
			X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
HULL	1.000	3DDif	1.00	1.00	1.00	1.00	1.00	1.00	667.	860.	5623.	-0.022	-0.007	0.000
JKTWR_P	0.000	None	0.64	0.64	0.00	0.00	0.00	0.00	84.	84.	28.	0.000	0.000	0.000
JKTWR_S	0.000	None	0.64	0.64	0.00	0.00	0.00	0.00	84.	84.	28.	0.000	0.000	0.000
JKTWR_C	0.000	None	0.64	0.64	0.00	0.00	0.00	0.00	84.	84.	28.	0.000	0.000	0.000
PH1	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	77.	3.	22.	0.000	0.000	0.000
PH2	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	179.	67.	114.	0.000	0.000	0.000
PH3	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	274.	56.	165.	0.000	0.000	0.000
PH4	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	227.	93.	368.	0.000	0.000	0.000
QTRS02	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	300.	233.	1008.	0.000	0.000	0.000
QTRS01	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	195.	206.	715.	0.000	0.000	0.000
CARGO	0.000	None	1.00	1.00	0.00	0.00	0.00	0.00	121.	162.	300.	0.000	0.000	0.000
KP_P_CRA	0.000	None	1.00	1.00	0.00	1.00	1.00	0.00	53.	53.	2.	0.000	0.000	0.000
PD_P_CRA	0.000	None	0.64	0.64	0.00	0.64	0.64	0.00	20.	20.	20.	0.000	0.000	0.000
CB_P_CRA	0.000	None	1.00	1.00	0.00	1.00	1.00	0.00	56.	56.	44.	0.000	0.000	0.000
KP_S_CRA	0.000	None	1.00	1.00	0.00	1.00	1.00	0.00	5.	5.	0.	0.000	0.000	0.000
PD_S_CRA	0.000	None	0.64	0.64	0.00	0.64	0.64	0.00	9.	9.	7.	0.000	0.000	0.000
CB_S_CRA	0.000	None	1.00	1.00	0.00	1.00	1.00	0.00	9.	9.	7.	0.000	0.000	0.000
P_CRANE	0.000	None	0.60	0.60	0.60	0.00	0.00	0.00	203.	455.	734.	-101.336	909.008	1461.169
S_CRANE	0.000	None	0.60	0.60	0.60	0.00	0.00	0.00	18.	41.	66.	-36.581	73.818	131.613

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               *                               *
* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0,                               *
*                               *                               *
*****

```

+++ P A R A M E T E R S U M M A R Y +++  
=====

Weights  
=====

Variable = 391.00 Kips  
Variable CG = 59.61 Feet  
Cargo = 490.00 Kips  
Cargo CG = 24.50 Feet

Safety Factor  
=====

Safety Factor = 3.00

Jacks  
=====

Holding/Leg = 1052.04 Kips  
Jacking/Leg = 789.00 Kips

Environment  
=====

Wave Height = 0.00 Feet  
Wave Period = 8.00 Seconds  
Wave Crest = 0.00 Feet  
Surface Current = 0.00 Feet/Second  
Wind Speed = 0.00 Knots  
Water depth = 50.00 Feet  
Penetration = 4.00 Feet

Geometry (in feet)  
=====

Air Gap = 0.00  
Leg length = 200.00  
Top Guide = 18.50  
Bottom Guide = 1.50  
Leg Element Len = 11.10  
Leg Above JH = 127.50  
Active Leg Len = 55.50  
Buckling K factor = 1.72

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               *                               *
* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0,                               *
* Forces Due to Null Environment                               *
*                               *                               *
*****

```

+++ F O R C E S   A C T I N G   O N   H U L L +++  
=====

Process is DEFAULT: Units Are Degrees, Feet, and Kips Unless Specified

Results Are Reported In Body System

Type of Force	X	Y	Z	MX	MY	MZ
Weight	0.0	0.0	-2287.9	-137.	105410.	0.
Buoyancy	0.0	0.0	164.9	0.	-7984.	0.
Applied	500.0	0.0	0.0	0.	7515.	-5.
	=====	=====	=====	=====	=====	=====
Total	500.0	0.0	-2123.0	-137.	104942.	-5.

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               *                               *
* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0,                               *
* Forces Due to Environment 000 Deg from Stern                               *
*                               *                               *
*****

```

+++ F O R C E S   A C T I N G   O N   H U L L +++  
=====

Process is DEFAULT: Units Are Degrees, Feet, and Kips Unless Specified

Results Are Reported In Body System

Type of Force	X	Y	Z	MX	MY	MZ
Weight	0.0	0.0	-2287.9	-137.	105410.	0.
Buoyancy	0.0	0.0	164.9	0.	-7984.	0.
Applied	500.0	0.0	0.0	0.	7515.	-5.
	=====	=====	=====	=====	=====	=====
Total	500.0	0.0	-2123.0	-137.	104942.	-5.

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

+++ R E S T R A I N T L O A D S +++  
=====

Units Are KSI, Degrees, Feet, and Kips Unless Specified

FX Intensity For Most Severe Load Case with Forces Greater Than 0

Element	/-- Node Names -/	Class	Case	/----- Force -----/			/----- Moment -----/		
				X	Y	Z	X	Y	Z
FIX	*LC6	~FIX	DIR_000	-186.16	0.04	1084.28	-0.12	-520.05	0.10
FIX 0035	*LP6	~FIX	DIR_000	-156.89	0.07	517.23	0.00	-522.16	0.09
FIX 0036	*LS6	~FIX	DIR_000	-156.94	-0.11	521.54	0.16	-522.33	0.11

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

```

+++ R E S T R A I N T   E N V E L O P E +++
=====

```

Units Are KSI, Degrees, Feet, and Kips Unless Specified

Element	/-- Node Names -/	Class	/----- Force -----/			/----- Moment -----/		
			X	Y	Z	X	Y	Z
FIX	*LC6	~FIX	-186.16	0.04	1084.28	-0.12	-520.05	0.10
			-186.16	0.04	1084.28	-0.12	-520.05	0.10
FIX 0035	*LP6	~FIX	-156.89	0.07	517.23	0.00	-522.16	0.09
			-156.89	0.07	517.23	0.00	-522.16	0.09
FIX 0036	*LS6	~FIX	-156.94	-0.11	521.54	0.16	-522.33	0.11
			-156.94	-0.11	521.54	0.16	-522.33	0.11

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

+++ R E S T R A I N T L O A D S +++  
=====

Units Are KSI, Degrees, Feet, and Kips Unless Specified

FX Intensity For Most Severe Load Case with Forces Greater Than 0

Element	/-- Node Names -/	Class	Case	/----- Force -----/			/----- Moment -----/		
				X	Y	Z	X	Y	Z
FIX	*LC6	~FIX	DIR_000	-186.16	0.04	1084.28	-0.12	-520.05	0.10
FIX 0035	*LP6	~FIX	DIR_000	-156.89	0.07	517.23	0.00	-522.16	0.09
FIX 0036	*LS6	~FIX	DIR_000	-156.94	-0.11	521.54	0.16	-522.33	0.11

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

```

+++ R E S T R A I N T   E N V E L O P E +++
=====

```

Units Are KSI, Degrees, Feet, and Kips Unless Specified

Element	/-- Node Names -/	Class	/----- Force -----/			/----- Moment -----/		
			X	Y	Z	X	Y	Z
FIX	*LC6	~FIX	-186.16	0.04	1084.28	-0.12	-520.05	0.10
			-186.16	0.04	1084.28	-0.12	-520.05	0.10
FIX 0035	*LP6	~FIX	-156.89	0.07	517.23	0.00	-522.16	0.09
			-156.89	0.07	517.23	0.00	-522.16	0.09
FIX 0036	*LS6	~FIX	-156.94	-0.11	521.54	0.16	-522.33	0.11
			-156.94	-0.11	521.54	0.16	-522.33	0.11

\*\*\*\*\*  
 \* \*\*\* MOSES \*\*\* \*  
 \* ----- \*  
 \* April 25, 2002 \*  
 \* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, \*  
 \* \*\*\*\*\*

+++ B E A M L O A D S +++  
 =====

Units Are KSI, Degrees, Feet, and Kips Unless Specified

Axial Intensity For Most Severe Load Case with Forces Greater Than 0

Element	Node	Names	Class	Case	Distance (in)	Axial Load	Shear Y	Shear Z	Torque	Moments Y	Moments Z
LC1	*LC0	*LC1	~LEG	DIR_000	221.99	-1095.28	-0.16	530.37	-0.13	9811.93	2.20
LC2	*LC1	*LC2	~LEG	DIR_000	133.19	-1104.07	0.04	-186.16	-0.10	7745.56	1.73
LC3	*LC2	*LC3	~LEG	DIR_000	133.19	-1112.87	0.04	-186.16	-0.10	5679.13	1.27
LC4	*LC3	*LC4	~LEG	DIR_000	133.19	-1121.66	0.04	-186.16	-0.10	3612.73	0.81
LC5	*LC4	*LC5	~LEG	DIR_000	133.19	-1130.45	0.04	-186.16	-0.10	1546.34	0.34
LC6	*LC5	*LC6	~LEG	DIR_000	133.19	-1139.25	0.04	-186.16	-0.10	-520.06	-0.12
LCT	*LCT	*LC0	~LEG	DIR_000	1529.99	-101.01	0.00	0.00	0.00	0.00	0.00
LP1	*LP0	*LP1	~LEG	DIR_000	221.99	-528.22	-589.55	-0.21	478.05	-3.94	8185.42
LP2	*LP1	*LP2	~LEG	DIR_000	133.19	-537.02	156.90	0.07	-0.09	-3.15	6443.88
LP3	*LP2	*LP3	~LEG	DIR_000	133.19	-545.81	156.89	0.07	-0.09	-2.36	4702.40
LP4	*LP3	*LP4	~LEG	DIR_000	133.19	-554.60	156.89	0.07	-0.09	-1.58	2960.88
LP5	*LP4	*LP5	~LEG	DIR_000	133.19	-563.40	156.89	0.07	-0.09	-0.79	1219.35
LP6	*LP5	*LP6	~LEG	DIR_000	133.19	-572.19	156.89	0.07	-0.09	0.00	-522.15
LPT	*LPT	*LP0	~LEG	DIR_000	1529.99	-101.01	0.00	0.00	0.00	0.00	0.00
LS1	*LS0	*LS1	~LEG	DIR_000	221.99	-532.53	-589.74	0.33	-478.21	6.11	8188.11
LS2	*LS1	*LS2	~LEG	DIR_000	133.19	-541.33	156.94	-0.11	-0.11	4.85	6446.03
LS3	*LS2	*LS3	~LEG	DIR_000	133.19	-550.12	156.94	-0.11	-0.11	3.60	4703.94
LS4	*LS3	*LS4	~LEG	DIR_000	133.19	-558.92	156.94	-0.11	-0.11	2.35	2961.85
LS5	*LS4	*LS5	~LEG	DIR_000	133.19	-567.71	156.95	-0.11	-0.11	1.10	1219.75
LS6	*LS5	*LS6	~LEG	DIR_000	133.19	-576.50	156.94	-0.11	-0.11	-0.16	-522.32
LST	*LST	*LS0	~LEG	DIR_000	1529.99	-101.01	0.00	0.00	0.00	0.00	0.00

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

```

+++ J O I N T   D I S P L A C E M E N T S +++
=====

```

In Body Part System

Node Name	Load Case	/----- Deflection (in) -----/			/----- Rotation (Deg) -----/		
		X	Y	Z	X	Y	Z
*LC1	DIR_000	10.52817	-0.00226	-0.12671	0.00001	0.25257	-0.00026
	NULL	10.52817	-0.00226	-0.12671	0.00001	0.25257	-0.00026
*LP1	DIR_000	10.52434	0.00144	-0.06240	-0.00039	0.23330	-0.00024
	NULL	10.52434	0.00144	-0.06240	-0.00039	0.23330	-0.00024
*LS1	DIR_000	10.52776	0.00194	-0.06289	0.00024	0.23338	-0.00028
	NULL	10.52776	0.00194	-0.06289	0.00024	0.23338	-0.00028

```

*****
*                                     *** MOSES ***                               *
*                                     -----                               *
*                                     April 25, 2002                               *
* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0,                               *
*                                                                                               *
*****

```

```

+++ S E L E C T E D   V A L U E S +++
=====

```

Distance	DIR_000:Axi	DIR_000:VY	DIR_000:VZ	DIR_000:Tor	DIR_000:MY	DIR_000:MZ
0.001	-528.223	156.897	0.071	-0.092	-3.942	8185.173
0.001	-528.223	156.897	0.071	-0.092	-3.942	8185.108
5.550	-532.619	156.897	0.071	-0.092	-3.548	7314.526
11.099	-537.015	156.897	0.071	-0.092	-3.153	6443.878
11.100	-537.017	156.890	0.071	-0.092	-3.153	6443.623
16.649	-541.413	156.890	0.071	-0.092	-2.759	5573.013
22.198	-545.809	156.890	0.071	-0.092	-2.364	4702.401
22.199	-545.811	156.893	0.071	-0.092	-2.364	4702.123
27.748	-550.207	156.893	0.071	-0.092	-1.970	3831.500
33.298	-554.603	156.893	0.071	-0.092	-1.575	2960.877
33.298	-554.605	156.894	0.071	-0.092	-1.575	2960.605
38.848	-559.001	156.894	0.071	-0.092	-1.181	2089.976
44.397	-563.397	156.894	0.071	-0.092	-0.787	1219.346
44.398	-563.399	156.893	0.071	-0.092	-0.786	1219.093
49.947	-567.795	156.893	0.071	-0.092	-0.392	348.470
55.496	-572.191	156.893	0.071	-0.092	0.002	-522.153

```

*****
*                               *** MOSES ***                               *
*                               -----                               *
*                               April 25, 2002                               *
*                               Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, *
*                               *****                               *

```

```

+++ C O D E +++
=====

```

Check

```

Check Length      = 52.1678
Buckling K factor = 1.72
K1                = 89.72863
Rotational Stiff  = 2.5e4 k-ft/rad

```

\*\*\*\*\*  
 \* \*\*\* MOSES \*\*\* \*  
 \* ----- April 25, 2002 \*  
 \* Choctaw Cargo = 490, Water Depth = 50, Air Gap = 0, \*  
 \* Length Used for Check = 52.1678, Rot\_stif = 2.5e4 k-ft/rad \*  
 \* \*\*\*\*\*

+++ S T A N D A R D W S B E A M C H E C K +++

Units Are KSI, Degrees, Feet, and Kips Unless Specified

Stresses For Most Severe Load Case with Unity Ratios Greater Than 0

Element	Node	Names	Class	Case	/- KL/R -/-		Distance (in)	/----- Stresses/Allowable (Ksi) -----/				API Unity Check	Comments	
					Mom	AMF		Bending		Shear				
					-Y-	-Z-		-Y-	-Z-	-Y-	-Z-			
LC1	*LC0	*LC1	~LEG	DIR_000	54.8	61.1	222.0	-5.41	40.71	-0.01	0.00	6.37	0.91	Eq H1-2
					1.078	1.054		33.53	51.11	51.11	31.20	31.20		
LC2	*LC1	*LC2	~LEG	DIR_000	54.8	61.1	0.0	-5.41	40.70	-0.01	0.00	-2.24	0.91	Eq H1-2
					1.078	1.054		33.53	51.11	51.11	31.20	31.20		
LC3	*LC2	*LC3	~LEG	DIR_000	54.8	61.1	0.0	-5.45	32.13	-0.01	0.00	-2.24	0.75	Eq H1-1
					1.077	1.053		33.53	51.11	51.11	31.20	31.20		
LC4	*LC3	*LC4	~LEG	DIR_000	54.8	61.1	0.0	-5.50	23.56	-0.01	0.00	-2.24	0.59	Eq H1-1
					1.076	1.052		33.53	51.11	51.11	31.20	31.20		
LC5	*LC4	*LC5	~LEG	DIR_000	54.8	61.1	0.0	-5.54	14.99	0.00	0.00	-2.24	0.44	Eq H1-1
					1.076	1.051		33.53	51.11	51.11	31.20	31.20		
LC6	*LC5	*LC6	~LEG	DIR_000	54.8	61.1	0.0	-5.58	6.41	0.00	0.00	-2.24	0.28	Eq H1-1
					1.075	1.050		33.53	51.11	51.11	31.20	31.20		
LCT	*LCT	*LC0	~LEG	DIR_000	54.8	61.1	1530.0	-0.50	0.00	0.00	0.00	0.00	0.01	Eq H1-3
					1.167	1.165		33.53	51.11	51.11	31.20	31.20		
LP1	*LP0	*LP1	~LEG	DIR_000	54.8	61.1	222.0	-2.61	-0.02	-42.23	-7.08	0.00	0.90	Eq H1-3
					1.129	1.117		33.53	51.11	51.11	31.20	31.20		
LP2	*LP1	*LP2	~LEG	DIR_000	54.8	61.1	0.0	-2.61	-0.02	-42.23	1.88	0.00	0.90	Eq H1-3
					1.129	1.117		33.53	51.11	51.11	31.20	31.20		
LP3	*LP2	*LP3	~LEG	DIR_000	54.8	61.1	0.0	-2.65	-0.01	-33.24	1.88	0.00	0.73	Eq H1-3
					1.128	1.116		33.53	51.11	51.11	31.20	31.20		
LP4	*LP3	*LP4	~LEG	DIR_000	54.8	61.1	0.0	-2.70	-0.01	-24.26	1.88	0.00	0.56	Eq H1-3
					1.127	1.115		33.53	51.11	51.11	31.20	31.20		
LP5	*LP4	*LP5	~LEG	DIR_000	54.8	61.1	0.0	-2.74	-0.01	-15.27	1.88	0.00	0.38	Eq H1-3
					1.127	1.114		33.53	51.11	51.11	31.20	31.20		
LP6	*LP5	*LP6	~LEG	DIR_000	54.8	61.1	0.0	-2.78	0.00	-6.29	1.88	0.00	0.21	Eq H1-3
					1.126	1.113		33.53	51.11	51.11	31.20	31.20		
LPT	*LPT	*LP0	~LEG	DIR_000	54.8	61.1	1530.0	-0.50	0.00	0.00	0.00	0.00	0.01	Eq H1-3
					1.167	1.165		33.53	51.11	51.11	31.20	31.20		
LS1	*LS0	*LS1	~LEG	DIR_000	54.8	61.1	222.0	-2.63	0.03	-42.24	-7.08	0.00	0.91	Eq H1-3
					1.129	1.117		33.53	51.11	51.11	31.20	31.20		
LS2	*LS1	*LS2	~LEG	DIR_000	54.8	61.1	0.0	-2.63	0.03	-42.24	1.88	0.00	0.91	Eq H1-3
					1.129	1.117		33.53	51.11	51.11	31.20	31.20		
LS3	*LS2	*LS3	~LEG	DIR_000	54.8	61.1	0.0	-2.67	0.02	-33.26	1.88	0.00	0.73	Eq H1-3
					1.128	1.116		33.53	51.11	51.11	31.20	31.20		
LS4	*LS3	*LS4	~LEG	DIR_000	54.8	61.1	0.0	-2.72	0.01	-24.27	1.88	0.00	0.56	Eq H1-3
					1.127	1.115		33.53	51.11	51.11	31.20	31.20		
LS5	*LS4	*LS5	~LEG	DIR_000	54.8	61.1	0.0	-2.76	0.01	-15.28	1.88	0.00	0.38	Eq H1-3
					1.126	1.114		33.53	51.11	51.11	31.20	31.20		
LS6	*LS5	*LS6	~LEG	DIR_000	54.8	61.1	0.0	-2.80	0.00	-6.29	1.88	0.00	0.21	Eq H1-3
					1.125	1.113		33.53	51.11	51.11	31.20	31.20		
LST	*LST	*LS0	~LEG	DIR_000	54.8	61.1	1530.0	-0.50	0.00	0.00	0.00	0.00	0.01	Eq H1-3
					1.167	1.165		33.53	51.11	51.11	31.20	31.20		